

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091418\
 Data File : VN051199.D
 Acq On : 14 Sep 2018 19:17
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:26:11 PM

Quant Time: Sep 15 01:10:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	578553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	795095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	363442	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	298568	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
35) Dibromofluoromethane	7.59	113	294693	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
50) Toluene-d8	10.09	98	1090369	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
62) 4-Bromofluorobenzene	12.40	95	357226	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	240836	43.17	ug/l	99
3) Chloromethane	2.06	50	322881	44.75	ug/l	99
4) Vinyl Chloride	2.18	62	328831	42.94	ug/l	100
5) Bromomethane	2.56	94	189605	43.75	ug/l	99
6) Chloroethane	2.70	64	204296	43.22	ug/l	99
7) Trichlorofluoromethane	3.01	101	469961	46.31	ug/l	100
8) Diethyl Ether	3.41	74	166114	44.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	299009	45.71	ug/l	100
10) Methyl Iodide	3.95	142	259616	43.29	ug/l	98
11) Tert butyl alcohol	4.79	59	84299	171.42	ug/l	99
12) 1,1-Dichloroethene	3.74	96	268748	43.55	ug/l	98
13) Acrolein	3.61	56	91046	161.23	ug/l	99
14) Allyl chloride	4.33	41	410404	43.65	ug/l	99
15) Acrylonitrile	4.99	53	471664	216.45	ug/l	100
16) Acetone	3.82	43	317659	198.34	ug/l	99
17) Carbon Disulfide	4.05	76	753373	41.44	ug/l	99
18) Methyl Acetate	4.33	43	234178	45.42	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	730256	44.76	ug/l	100
20) Methylene Chloride	4.55	84	323234	45.45	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	297118	44.39	ug/l	98
22) Diisopropyl ether	5.95	45	916357	49.10	ug/l	97
23) Vinyl Acetate	5.90	43	2887321	228.60	ug/l	99
24) 1,1-Dichloroethane	5.85	63	555583	46.92	ug/l	100
25) 2-Butanone	6.84	43	490988	193.96	ug/l	99
26) 2,2-Dichloropropane	6.83	77	411819	42.49	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	336131	45.77	ug/l	100
28) Bromochloromethane	7.20	49	251317	47.68	ug/l	99
29) Tetrahydrofuran	7.21	42	329210	208.26	ug/l	100
30) Chloroform	7.37	83	573121	48.65	ug/l	100
31) Cyclohexane	7.65	56	462443	43.77	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	480521	47.87	ug/l	99
36) 1,1-Dichloropropene	7.80	75	424897	48.67	ug/l	99
37) Ethyl Acetate	6.93	43	220904	43.69	ug/l	99
38) Carbon Tetrachloride	7.78	117	434770	50.60	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	448748	46.59	ug/l	98
40) Benzene	8.04	78	1302633	49.52	ug/l	99
41) Methacrylonitrile	7.18	41	128658	49.32	ug/l	87
42) 1,2-Dichloroethane	8.13	62	380334	49.61	ug/l	99
43) Isopropyl Acetate	8.17	43	422528	47.36	ug/l #	86
44) Trichloroethene	8.84	130	346615	48.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	345029	50.76	ug/l	100
46) Dibromomethane	9.21	93	199462	48.10	ug/l	99
47) Bromodichloromethane	9.40	83	439844	52.16	ug/l	99
48) Methyl methacrylate	9.20	41	203531	46.82	ug/l	99
49) 1,4-Dioxane	9.20	88	55871	819.57	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1128852	228.83	ug/l	99
52) Toluene	10.16	92	805519	50.22	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	414176	49.08	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	490940	49.61	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	291552	50.04	ug/l	99
56) Ethyl methacrylate	10.43	69	340988	43.92	ug/l	99
57) 1,3-Dichloropropane	10.71	76	480080	49.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	688140	211.83	ug/l	99
59) 2-Hexanone	10.75	43	709689	212.13	ug/l	99
60) Dibromochloromethane	10.90	129	336982	51.31	ug/l	98
61) 1,2-Dibromoethane	11.01	107	277938	48.80	ug/l	100
64) Tetrachloroethene	10.63	164	315619	47.83	ug/l	99
65) Chlorobenzene	11.43	112	900550	49.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	341768	52.07	ug/l	99
67) Ethyl Benzene	11.51	91	1505561	51.00	ug/l	100
68) m/p-Xylenes	11.62	106	1182154	104.22	ug/l	100
69) o-Xylene	11.95	106	568714	51.77	ug/l	100
70) Styrene	11.96	104	920220	54.01	ug/l	99
71) Bromoform	12.13	173	231676	50.13	ug/l #	99
73) Isopropylbenzene	12.25	105	1508118	49.48	ug/l	100
74) N-amyl acetate	12.07	43	324021	42.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	348036	49.76	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	270919m	48.02	ug/l	
77) Bromobenzene	12.53	156	389212	47.54	ug/l	97
78) n-propylbenzene	12.59	91	1669275	49.83	ug/l	100
79) 2-Chlorotoluene	12.67	91	1004491	47.97	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1237469	50.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	81138	42.40	ug/l	98
82) 4-Chlorotoluene	12.77	91	991925	47.72	ug/l	99
83) tert-Butylbenzene	12.99	119	1061901	48.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1252278	51.68	ug/l	99
85) sec-Butylbenzene	13.17	105	1381770	49.53	ug/l	100
86) p-Isopropyltoluene	13.29	119	1215100	51.36	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	660683	47.57	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	635468	49.83	ug/l	100
89) n-Butylbenzene	13.62	91	911387	49.50	ug/l	98
90) Hexachloroethane	13.87	117	226592	52.64	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	636352	47.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44782	43.11	ug/l	98

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QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	263413	41.05	ug/l	98
94) Hexachlorobutadiene	15.01	225	205769	52.25	ug/l	100
95) Naphthalene	15.13	128	454716	35.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	255923	41.49	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

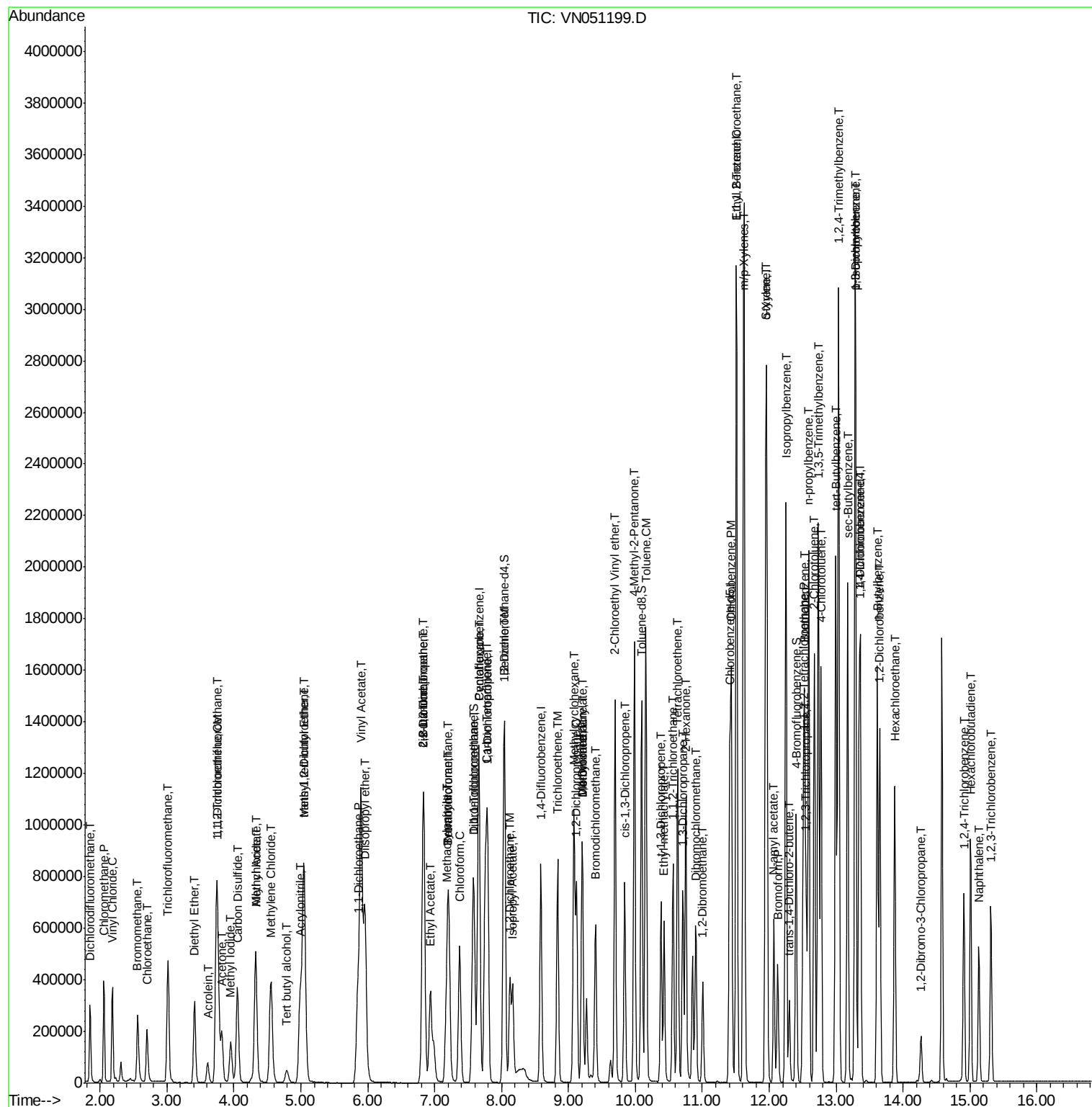
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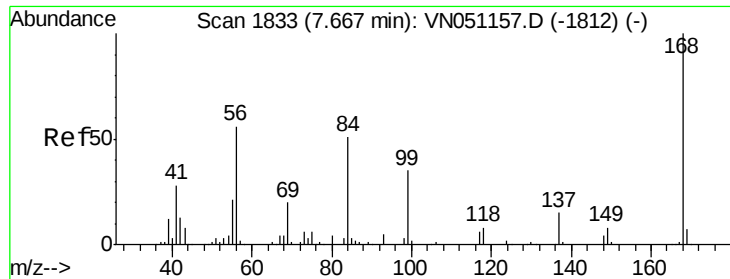
Instrument :
MSVOA_N
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Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 578553

Ion Ratio Lower Upper

168 100

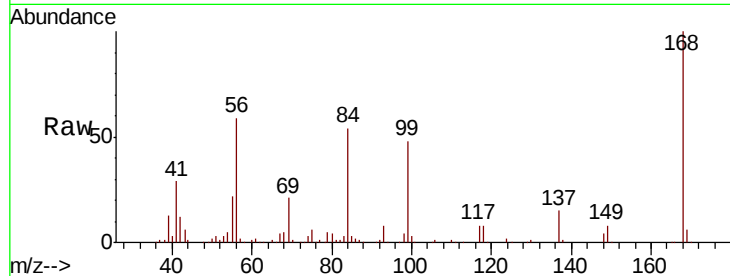
99 47.5 38.3 57.5

Manual Integrations

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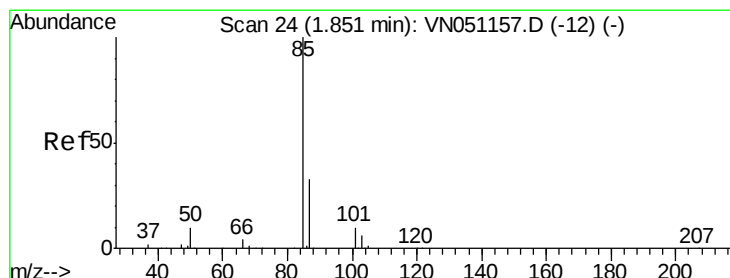
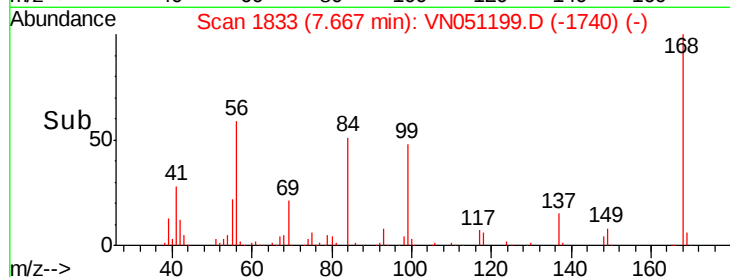
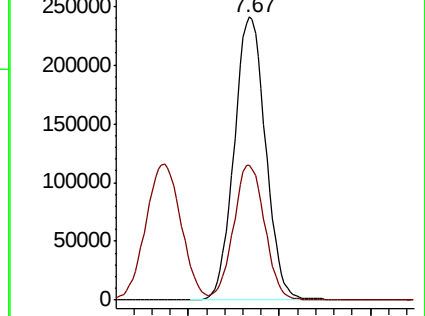
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.17 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051199.D

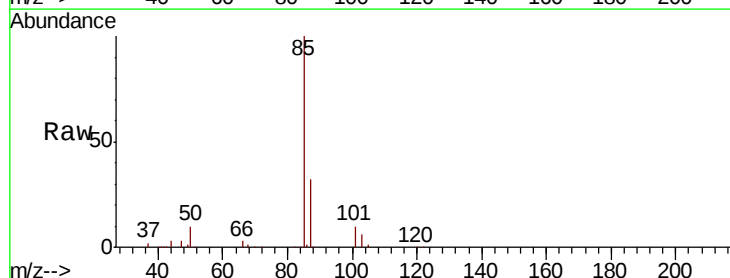
Acq: 14 Sep 2018 19:17

Tgt Ion: 85 Resp: 240836

Ion Ratio Lower Upper

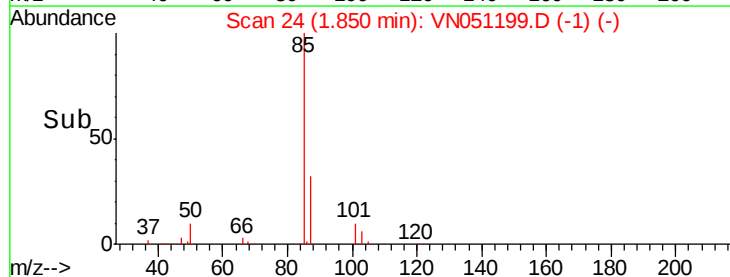
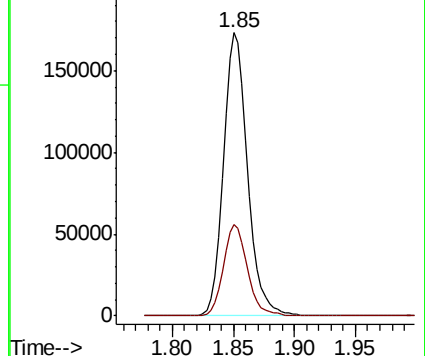
85 100

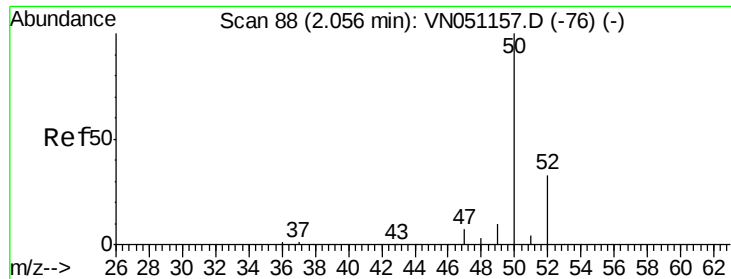
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.75 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 322881

Ion Ratio Lower Upper

50 100

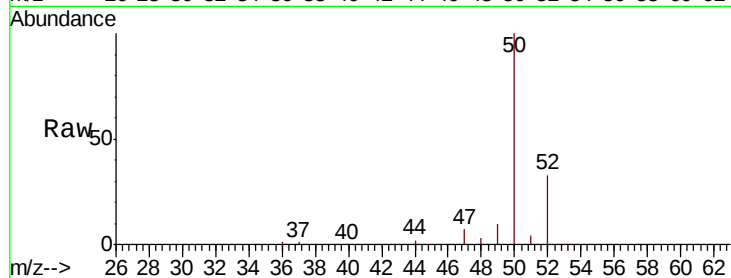
52 32.9 26.0 39.0

Manual Integrations

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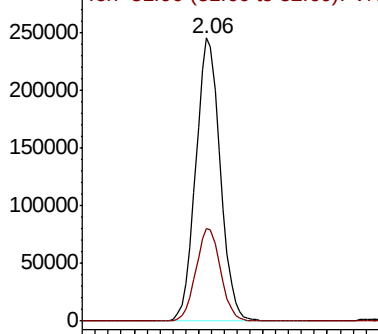
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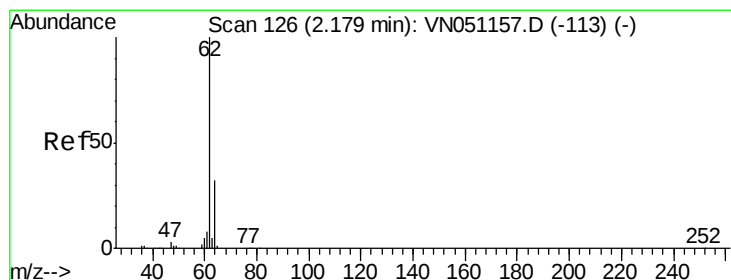
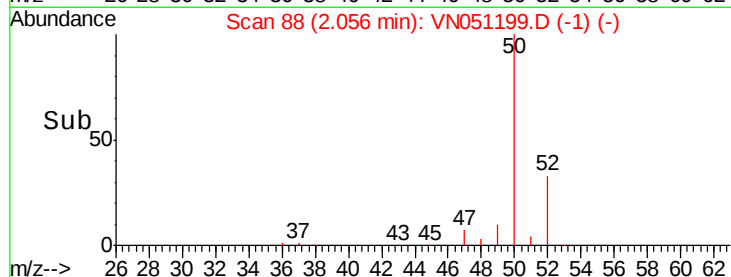


Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



Time-->



#4

Vinyl Chloride

Concen: 42.94 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051199.D

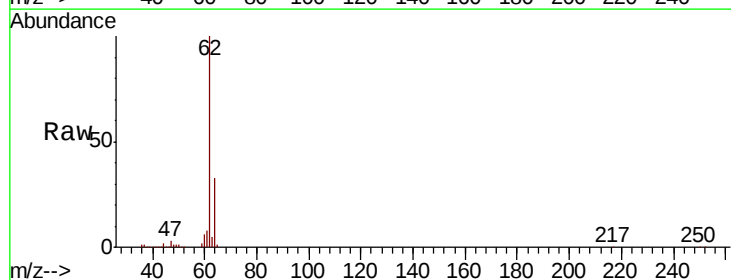
Acq: 14 Sep 2018 19:17

Tgt Ion: 62 Resp: 328831

Ion Ratio Lower Upper

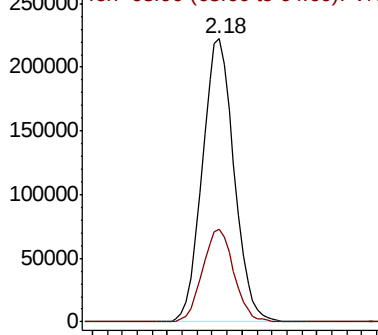
62 100

64 32.7 26.2 39.4

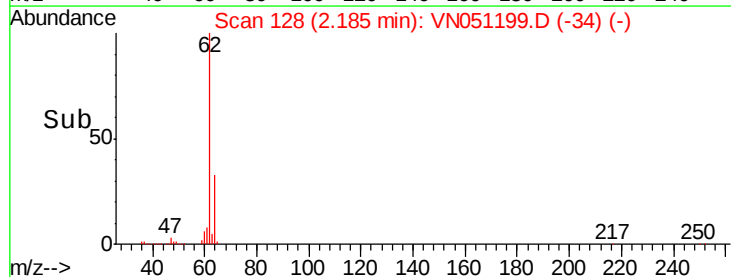


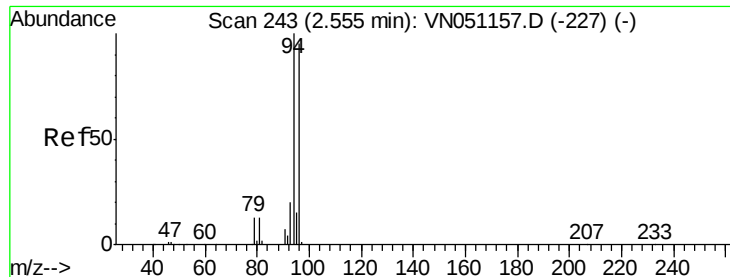
Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



Time-->





#5

Bromomethane

Concen: 43.75 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

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Tot Ion: 94 Resp: 189605

Ion Ratio Lower Upper

94 100

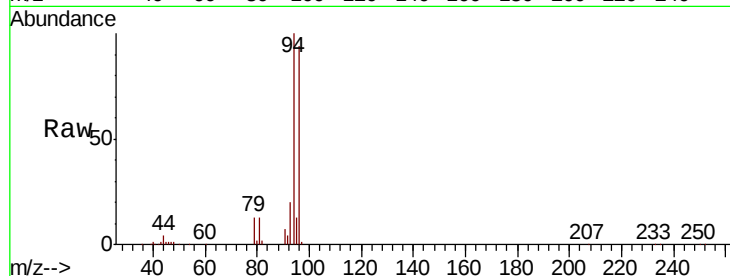
96 94.2 75.9 113.9

Manual Integrations

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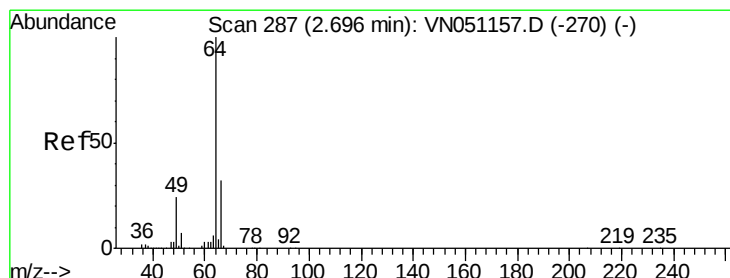
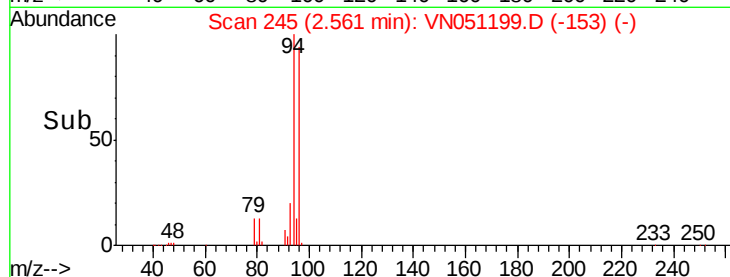
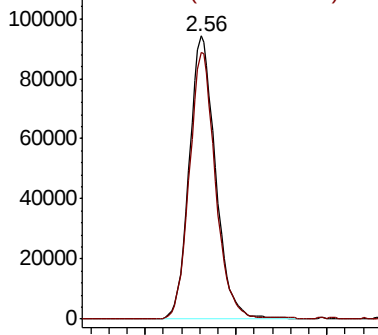
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.22 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051199.D

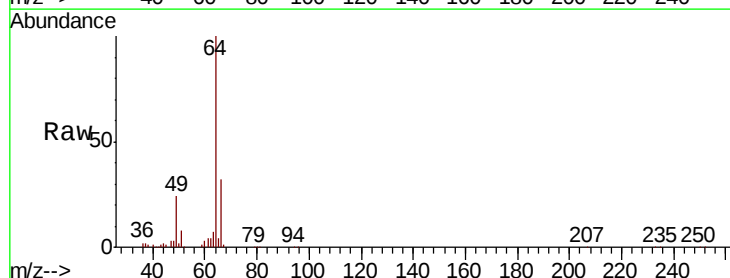
Acq: 14 Sep 2018 19:17

Tgt Ion: 64 Resp: 204296

Ion Ratio Lower Upper

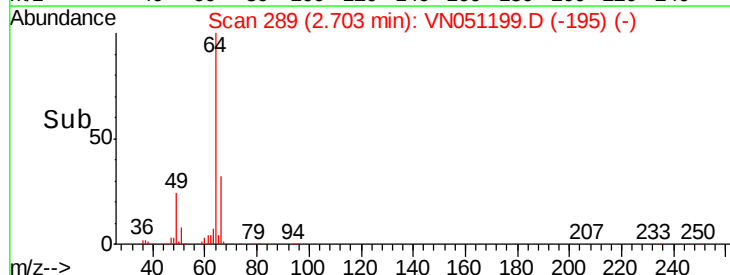
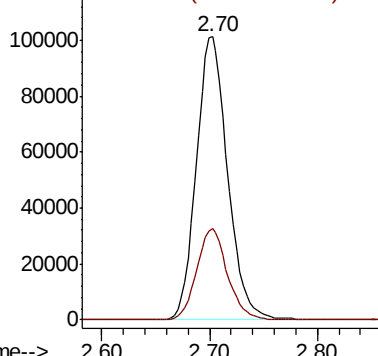
64 100

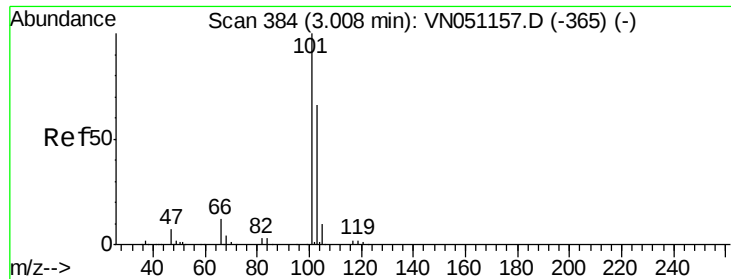
66 32.2 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

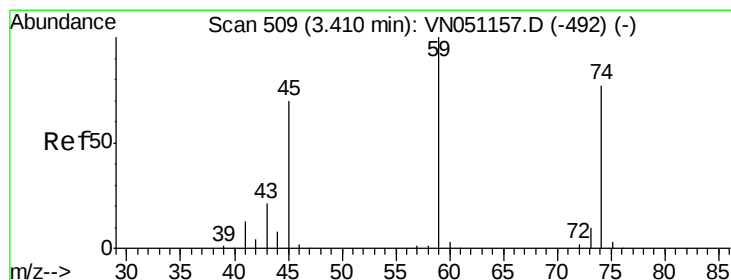
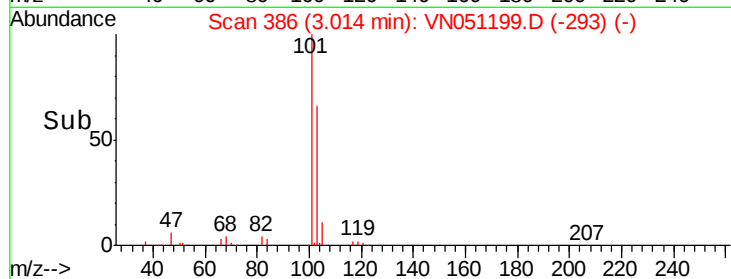
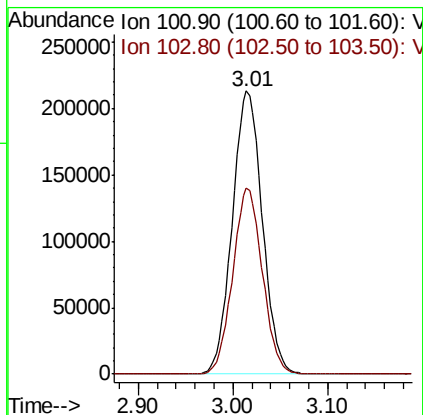
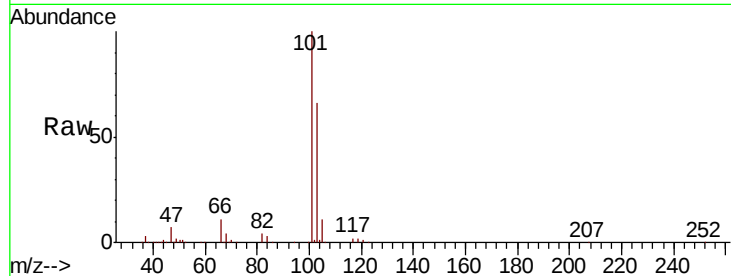
Trichlorofluoromethane
 Concen: 46.31 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051199.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.4	78.6

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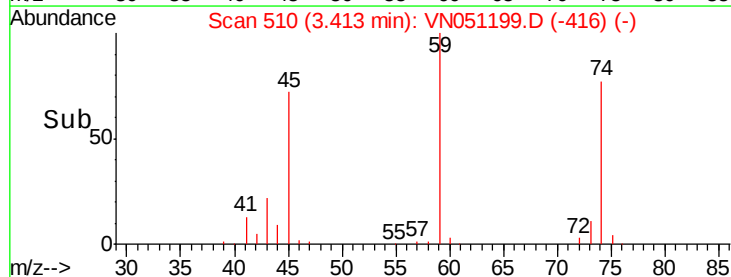
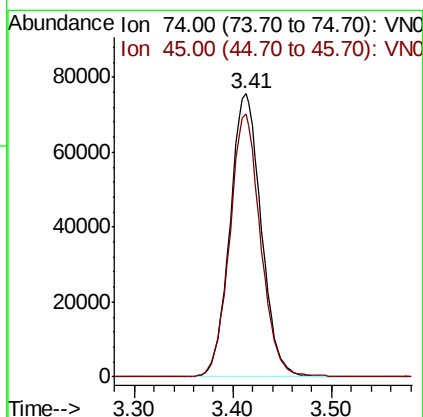
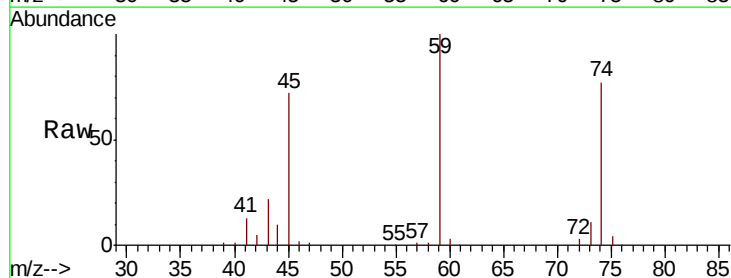
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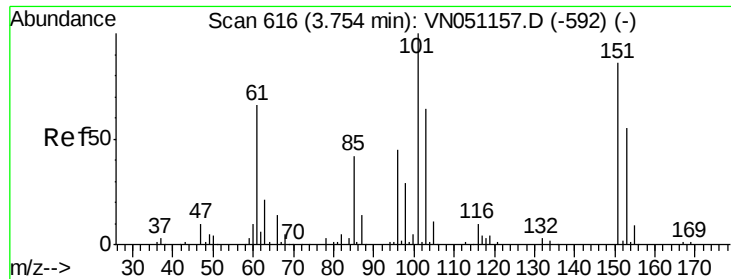


#8

Diethyl Ether
 Concen: 44.51 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	46.7	140.0





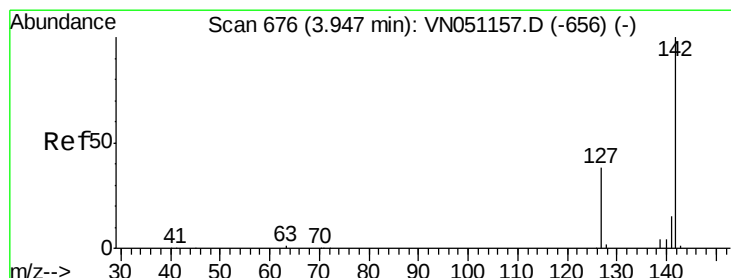
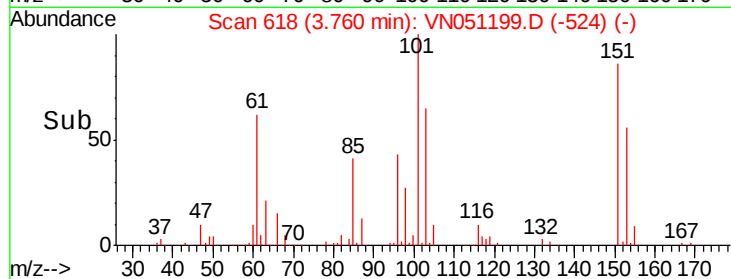
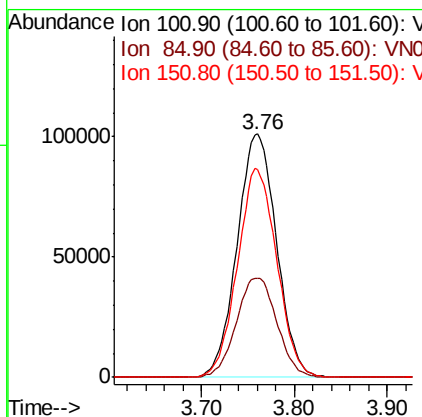
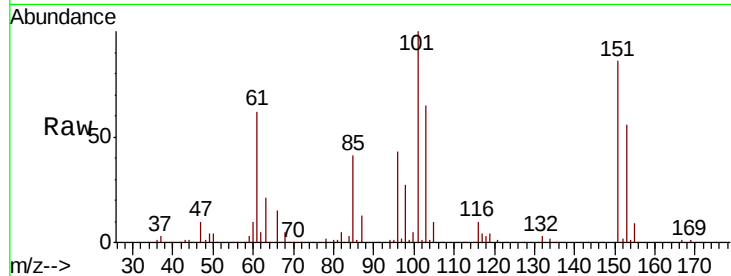
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 45.71 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	299009		
85	42.0	33.3	49.9	
151	85.6	68.2	102.2	

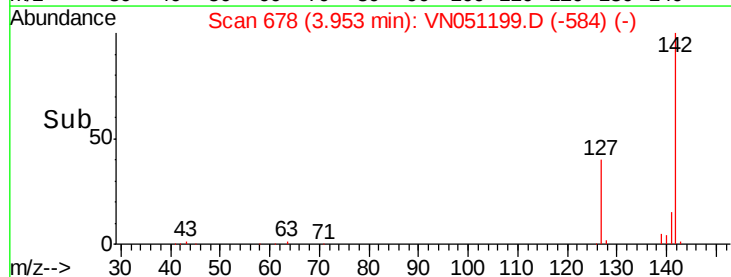
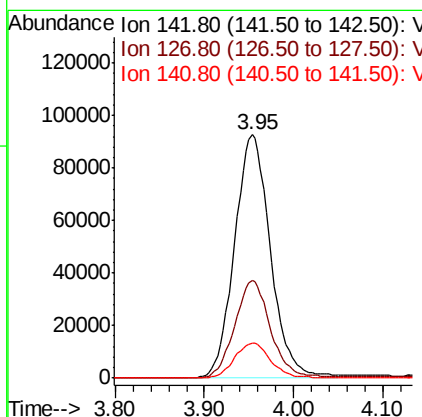
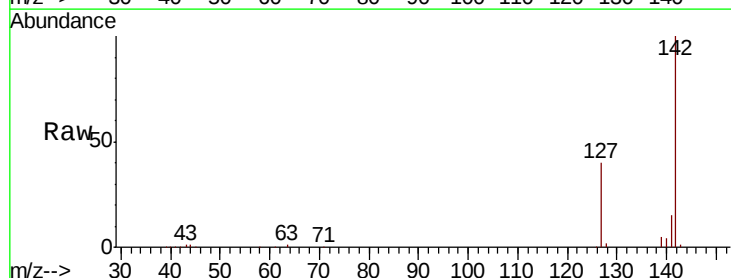
Manual Integrations
 APPROVED

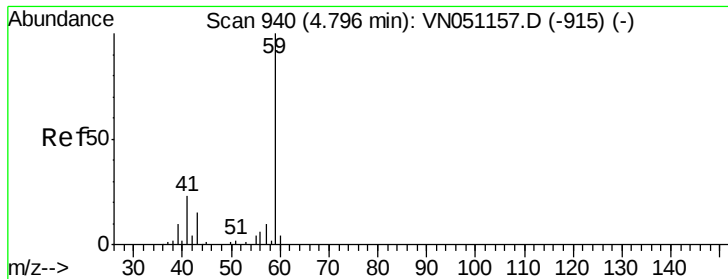
MMDadoda
 9/17/2018 1:26:11 PM



#10
 Methyl Iodide
 Concen: 43.29 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	259616		
127	40.3	31.0	46.4	
141	14.5	11.3	16.9	





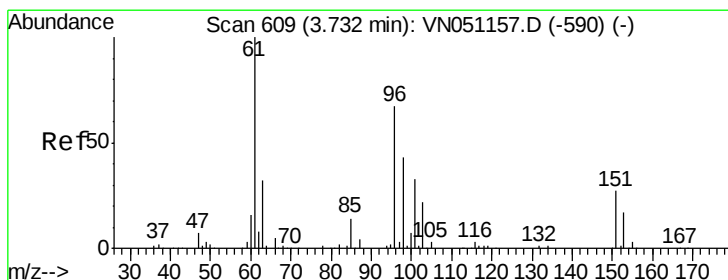
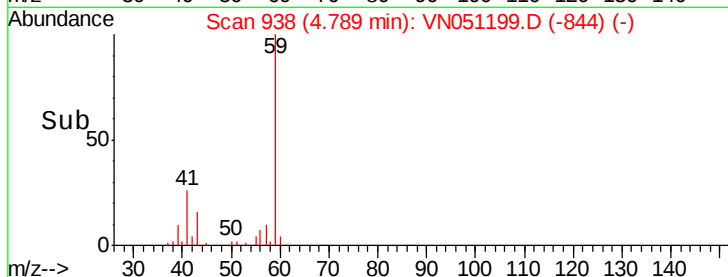
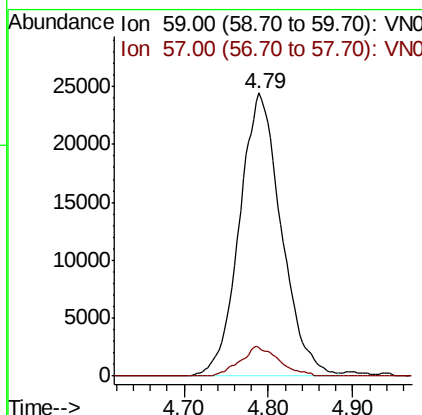
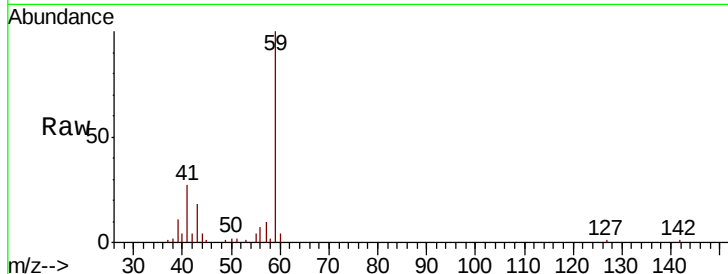
#11
Tert butyl alcohol
Concen: 171.42 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 84299
Ion Ratio Lower Upper
59 100
57 9.7 8.1 12.1

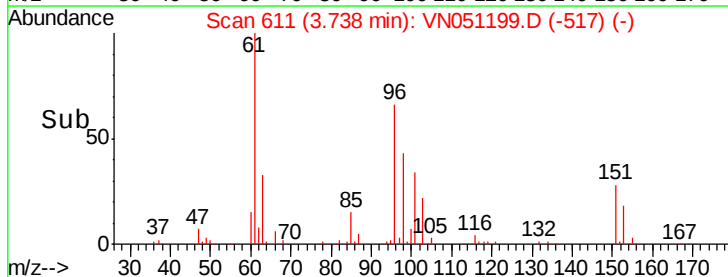
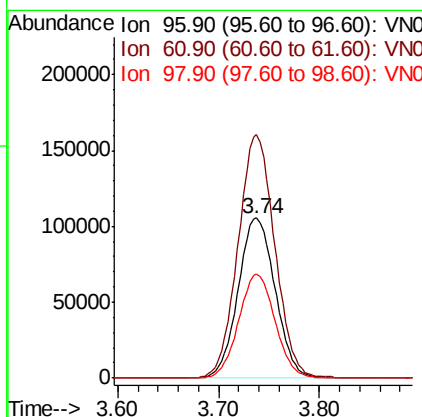
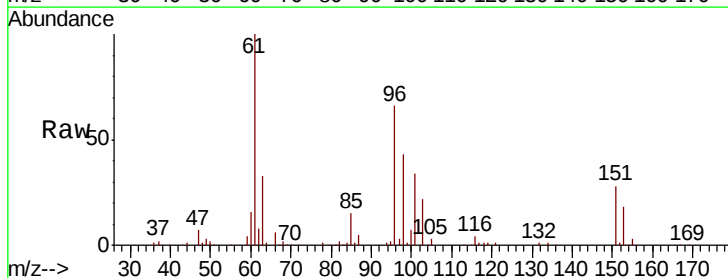
Manual Integrations
APPROVED

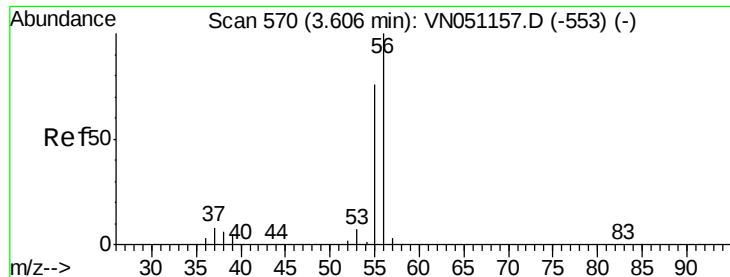
MMDadoda
9/17/2018 1:26:11 PM



#12
1,1-Dichloroethene
Concen: 43.55 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 96 Resp: 268748
Ion Ratio Lower Upper
96 100
61 152.0 120.3 180.5
98 65.2 50.8 76.2





#13

Acrolein

Concen: 161.23 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91046

Ion Ratio Lower Upper

56 100

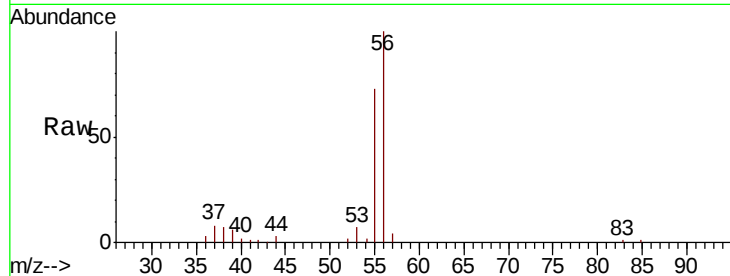
55 73.3 58.0 87.0

Manual Integrations

APPROVED

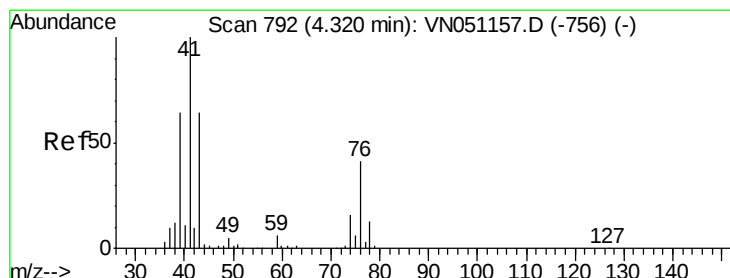
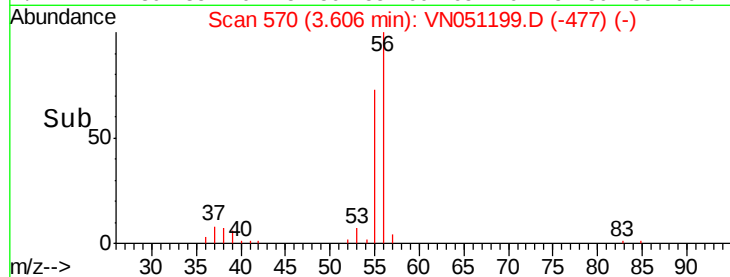
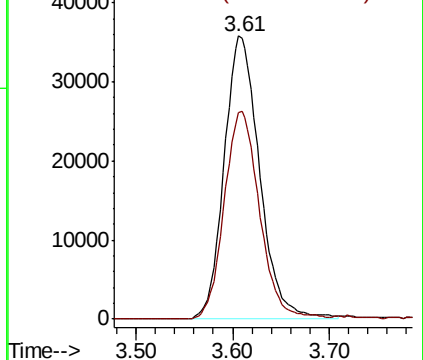
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.65 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

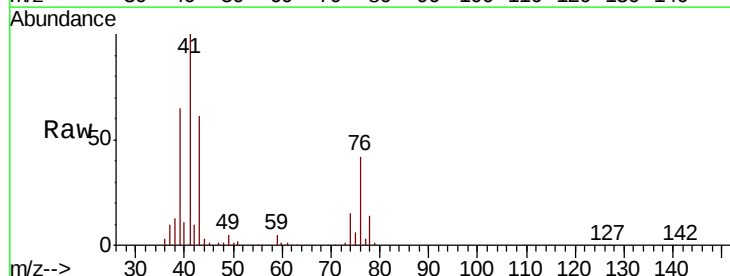
Tgt Ion: 41 Resp: 410404

Ion Ratio Lower Upper

41 100

39 62.0 48.8 73.2

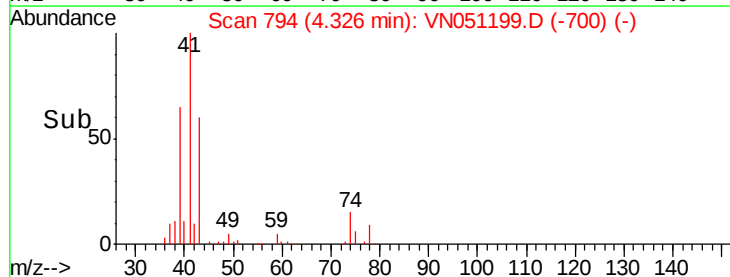
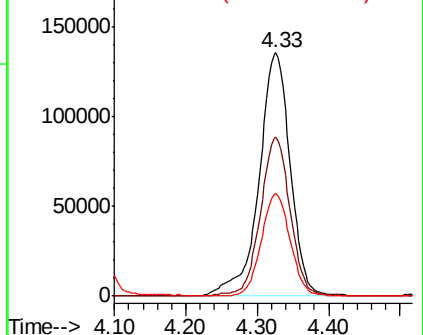
76 39.1 30.6 45.8

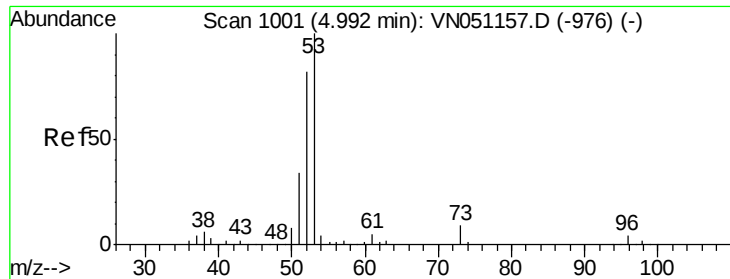


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





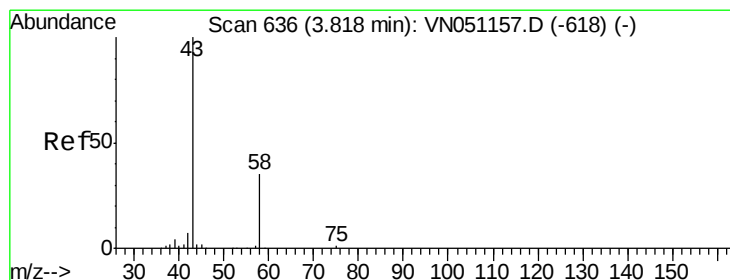
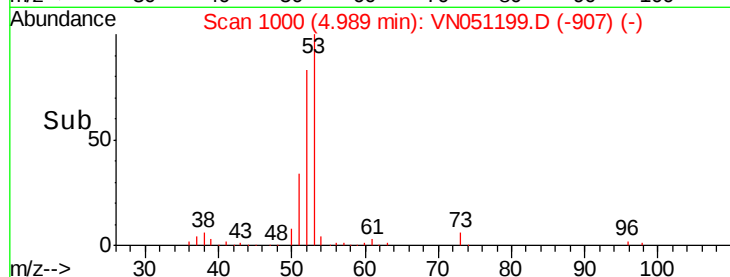
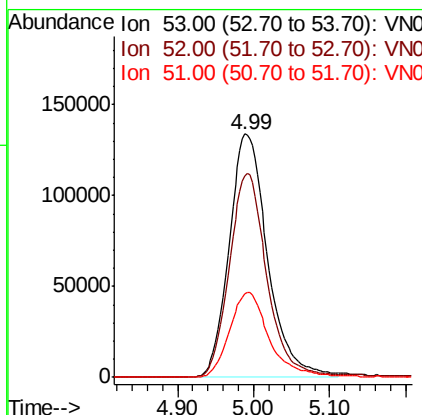
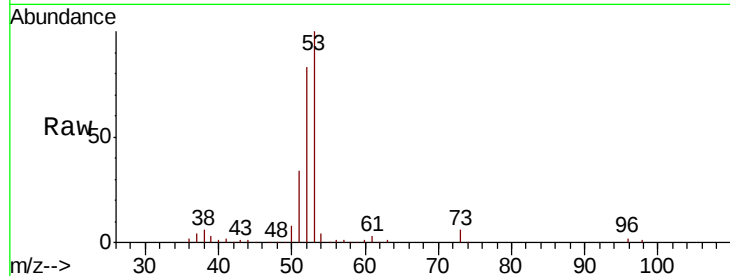
#15
 Acrylonitrile
 Concen: 216.45 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.9	28.2	42.2

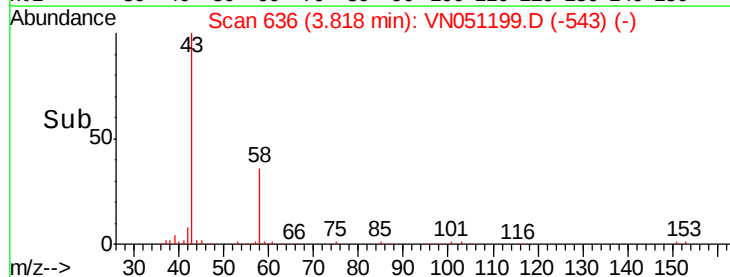
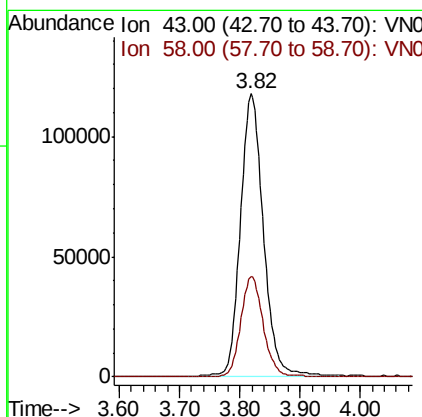
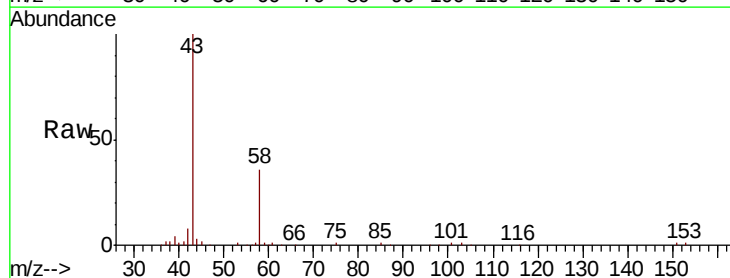
Manual Integrations
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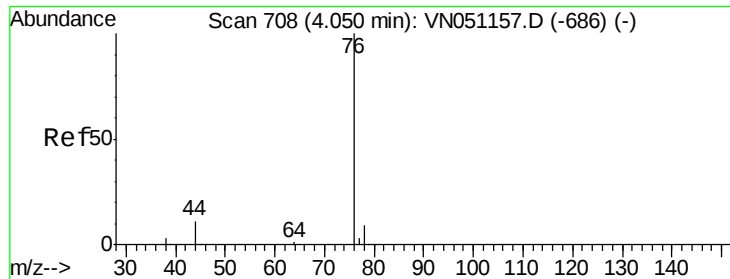
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#16
 Acetone
 Concen: 198.34 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	27.8	41.6





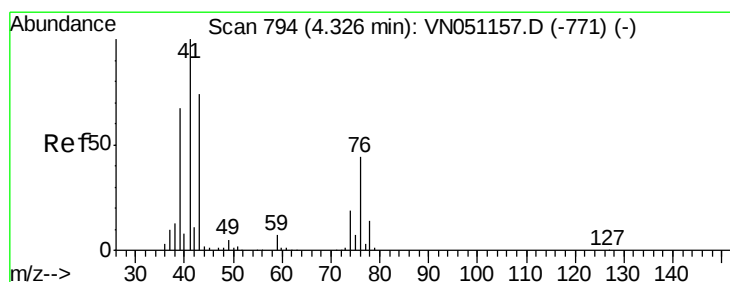
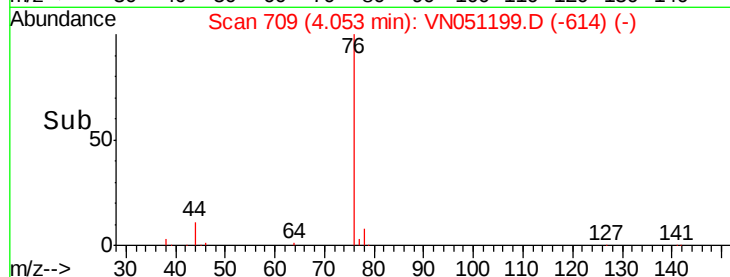
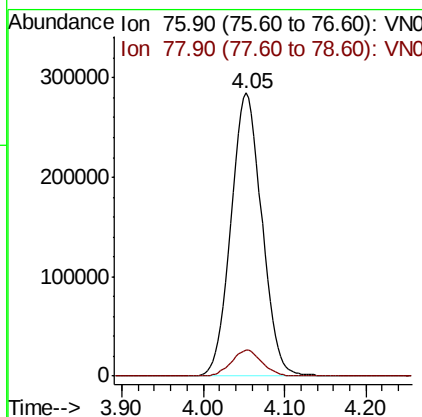
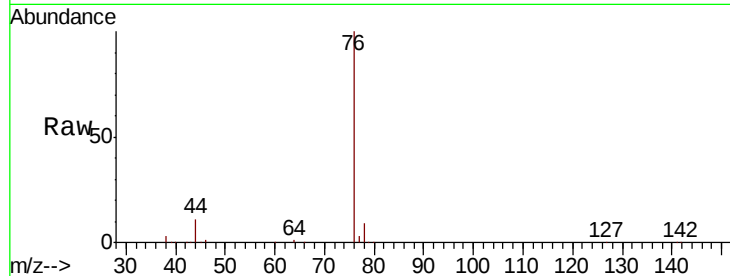
#17
Carbon Disulfide
Concen: 41.44 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

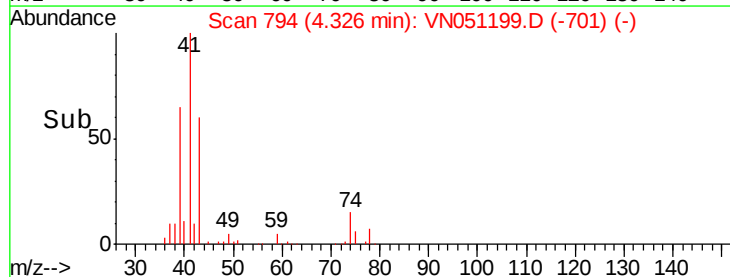
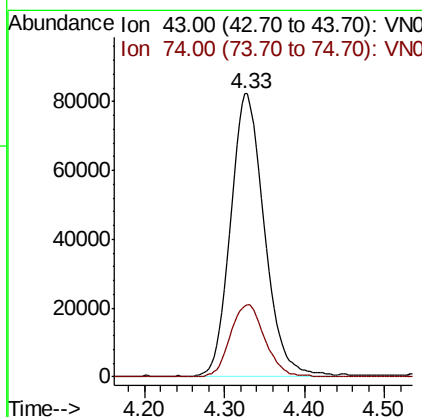
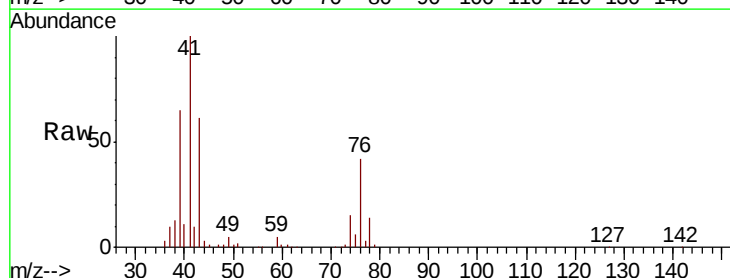
Manual Integrations
APPROVED

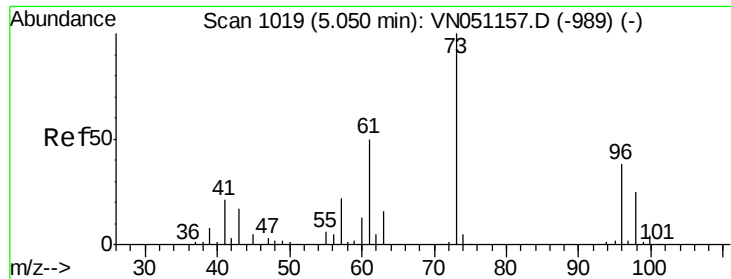
MMDadoda
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#18
Methyl Acetate
Concen: 45.42 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.3	20.7	31.1





#19

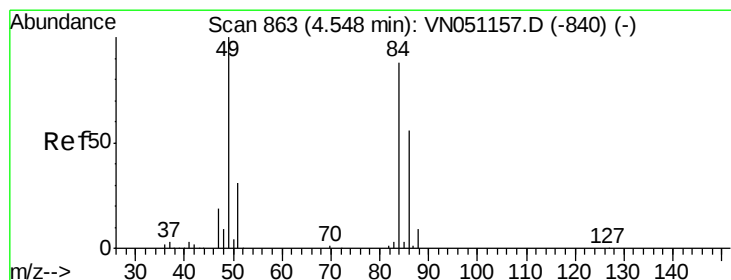
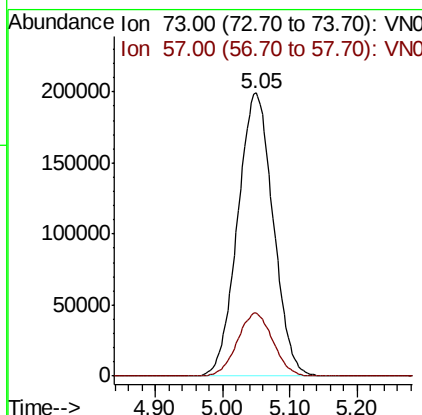
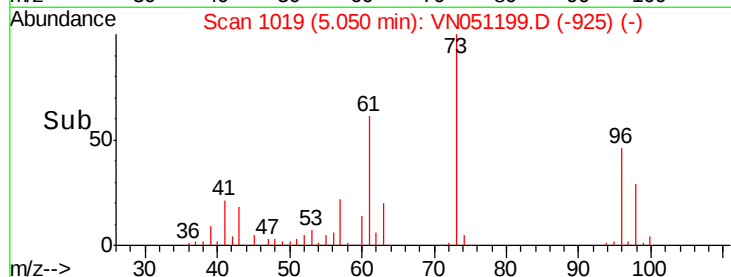
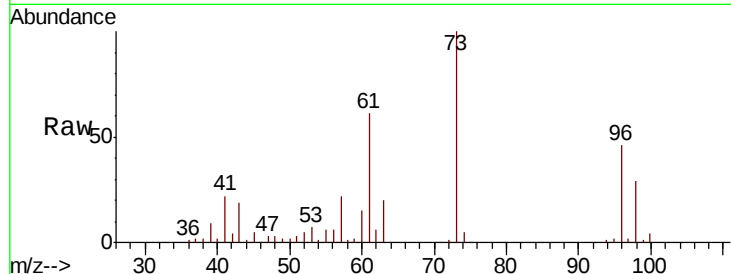
Methyl tert-butyl Ether
 Concen: 44.76 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.9	26.9

Manual Integrations
 APPROVED

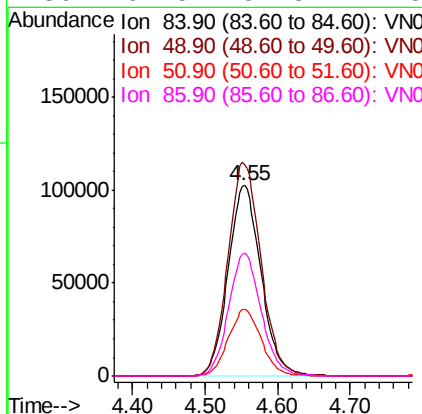
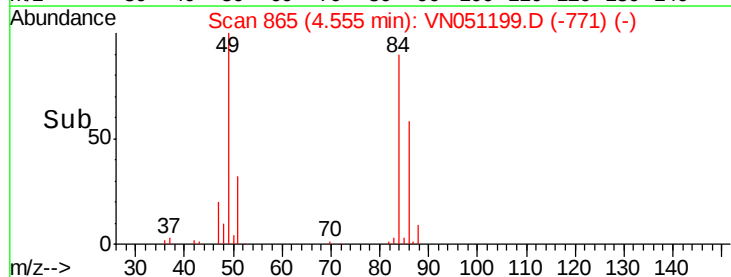
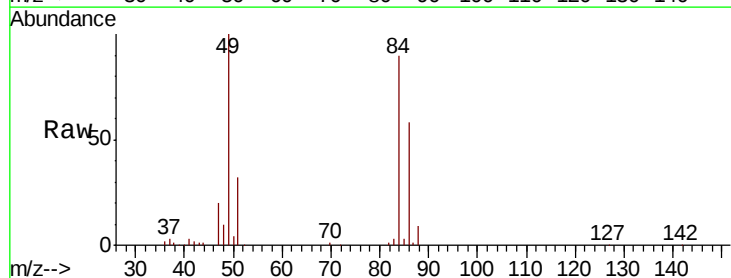
MMDadoda
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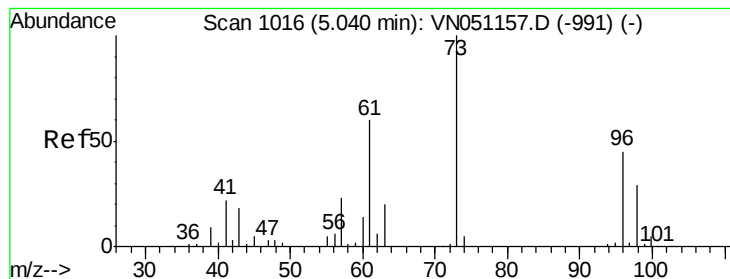


#20

Methylene Chloride
 Concen: 45.45 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.2	90.2	135.2
51	35.2	28.4	42.6
86	64.5	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 44.39 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 297118

Ion Ratio Lower Upper

96 100

61 130.4 106.5 159.7

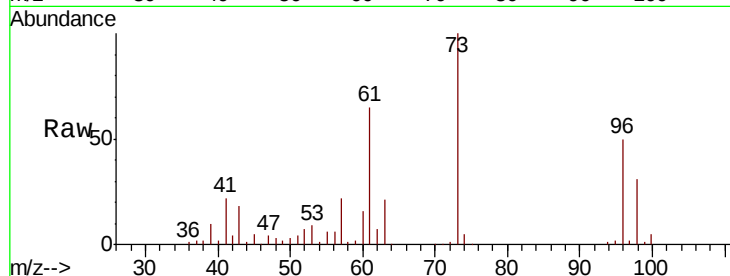
98 61.5 50.4 75.6

Manual Integrations

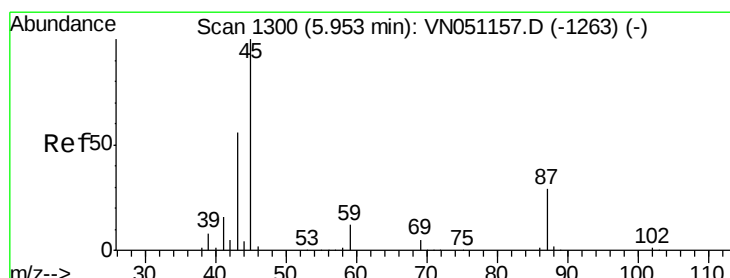
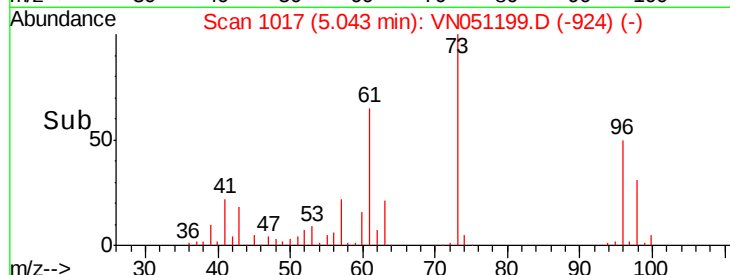
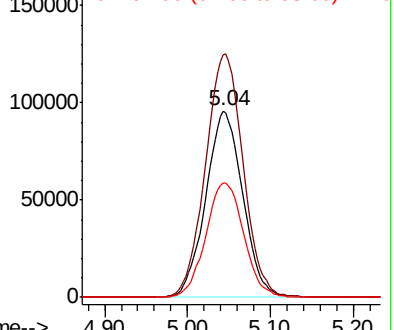
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 49.10 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion: 45 Resp: 916357

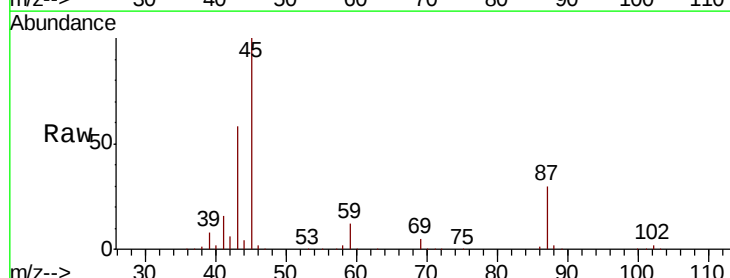
Ion Ratio Lower Upper

45 100

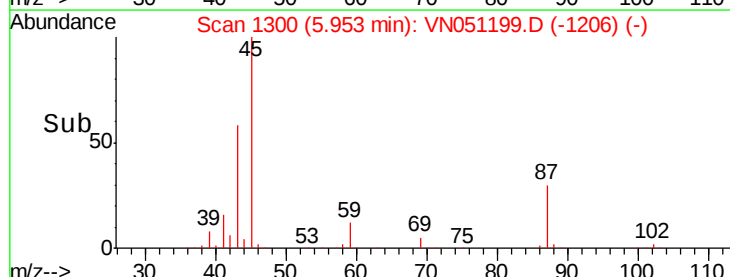
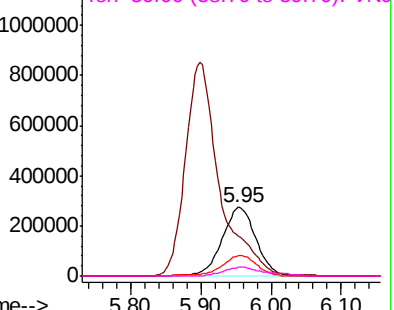
43 57.2 48.8 73.2

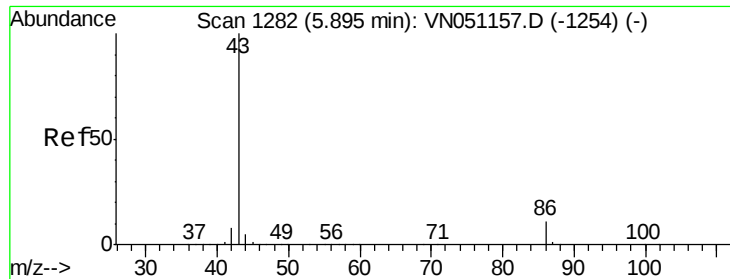
87 29.5 23.8 35.8

59 12.2 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





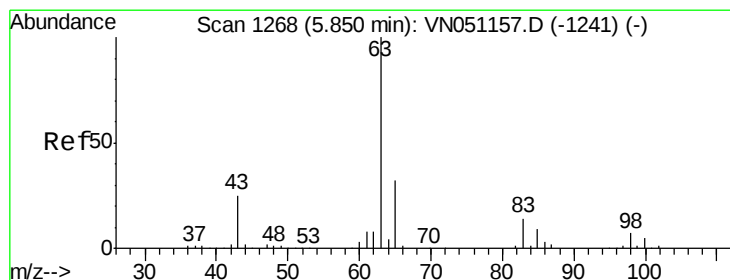
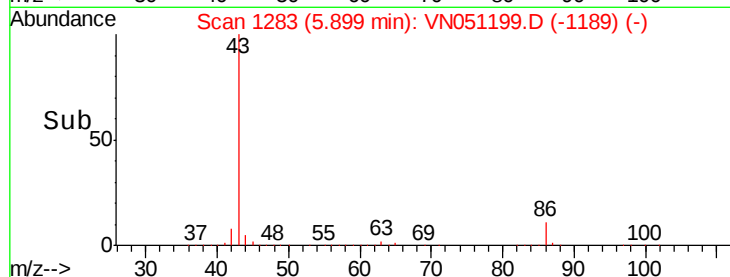
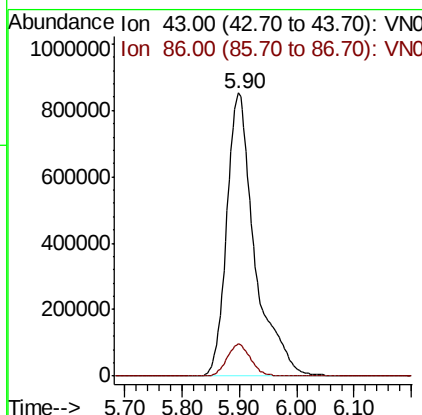
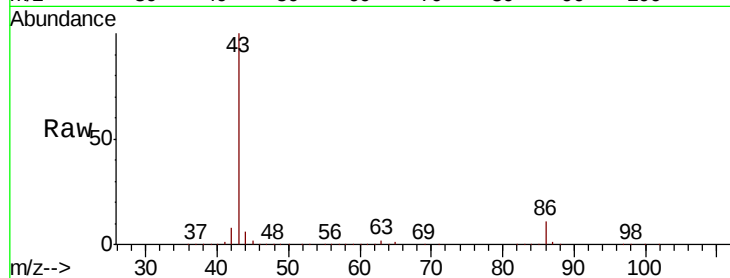
#23
 Vinyl Acetate
 Concen: 228.60 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2887321
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8

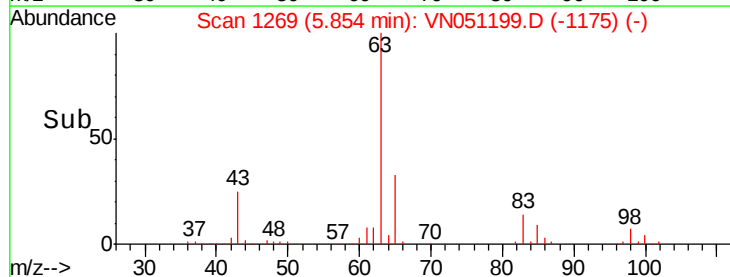
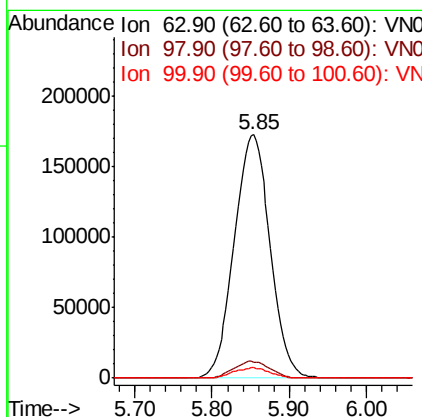
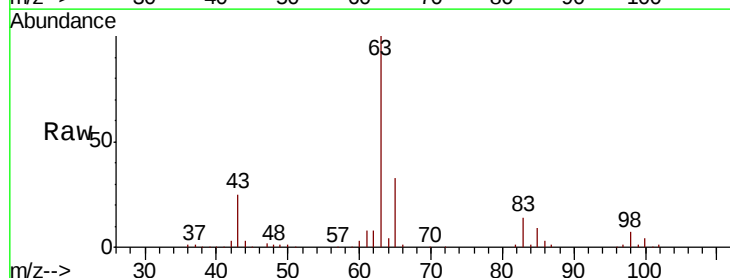
Manual Integrations
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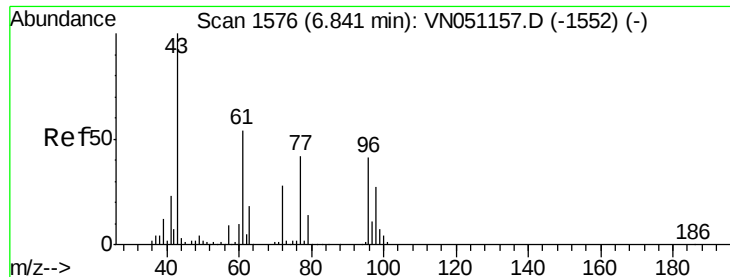
MMDadoda
 9/17/2018 1:26:11 PM



#24
 1,1-Dichloroethane
 Concen: 46.92 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion: 63 Resp: 555583
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.2 2.1 6.3





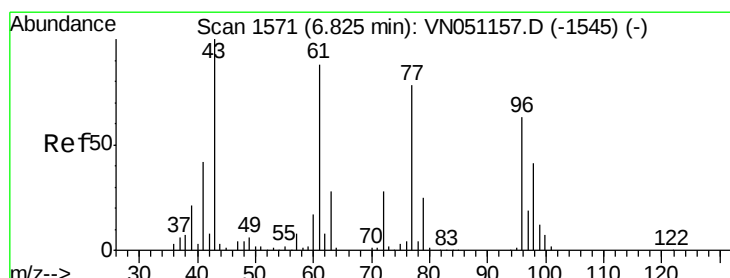
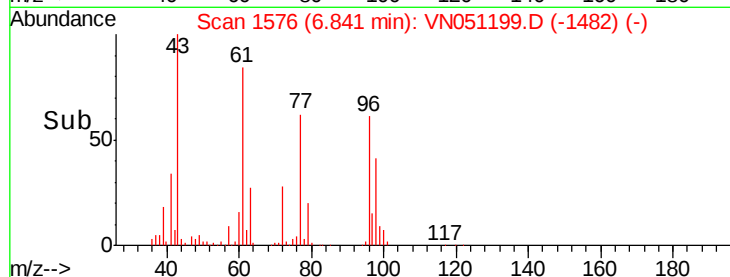
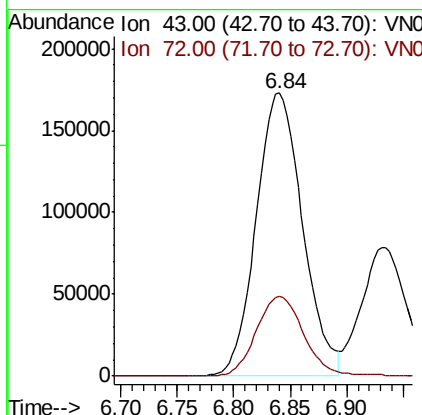
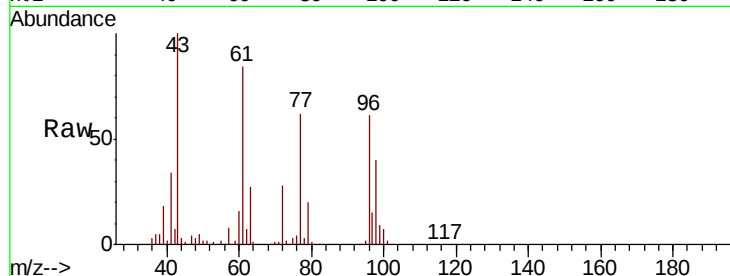
#25
2-Butanone
Concen: 193.96 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	490988
Ion Ratio	100	Lower	Upper
72	28.2	23.0	34.6

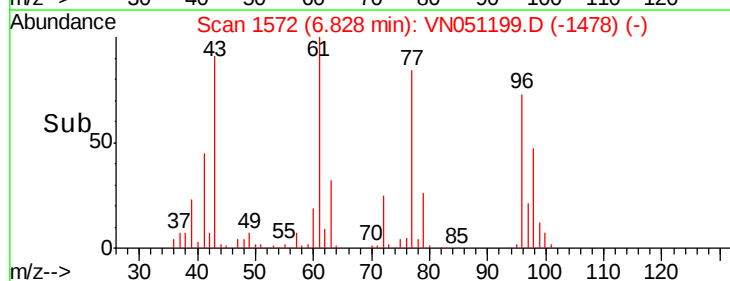
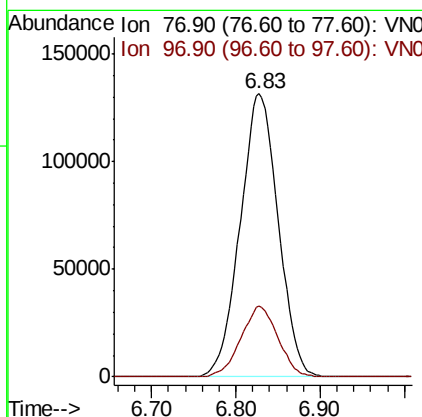
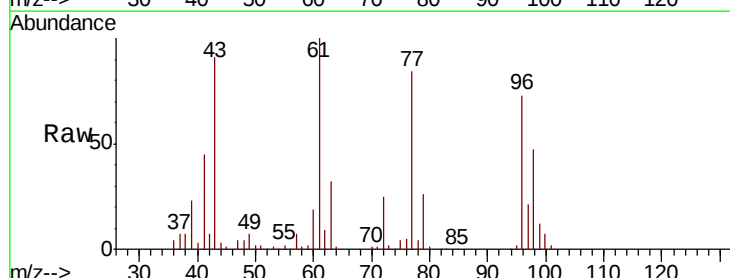
Manual Integrations
APPROVED

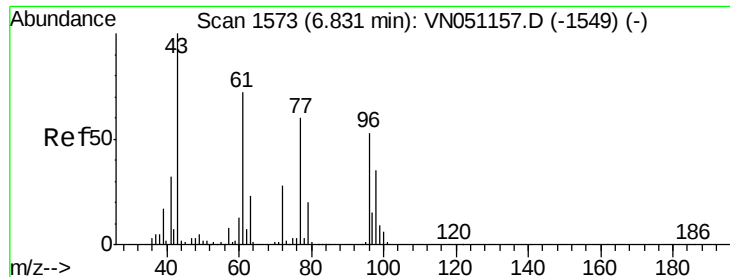
MMDadoda
9/17/2018 1:26:11 PM



#26
2,2-Dichloropropane
Concen: 42.49 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	77	Resp	411819
Ion Ratio	100	Lower	Upper
97	24.3	12.1	36.3





#27

cis-1,2-Dichloroethene

Concen: 45.77 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

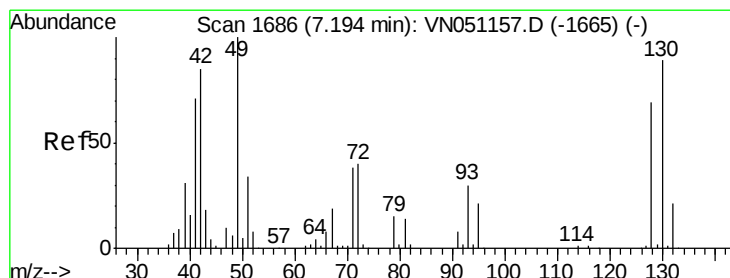
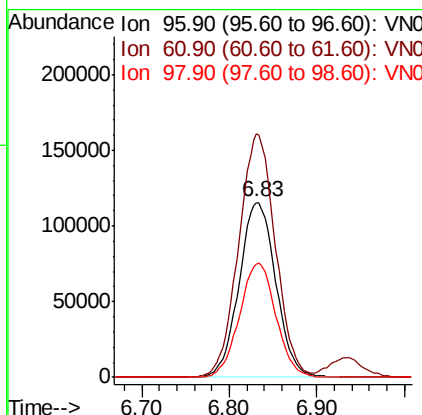
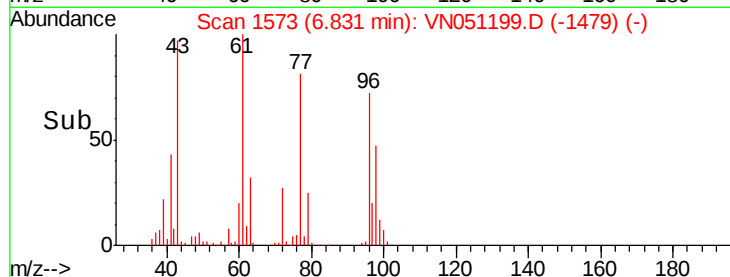
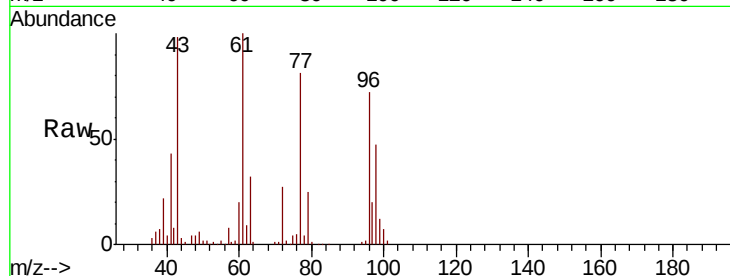
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	336131
Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	278.2
98	65.2	0.0	129.4

Manual Integrations
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MMDadoda
9/17/2018 1:26:11 PM



#28

Bromochloromethane

Concen: 47.68 ug/l

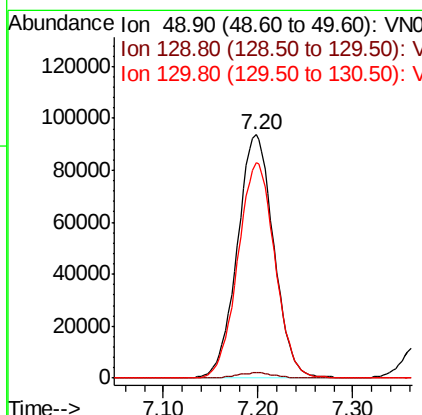
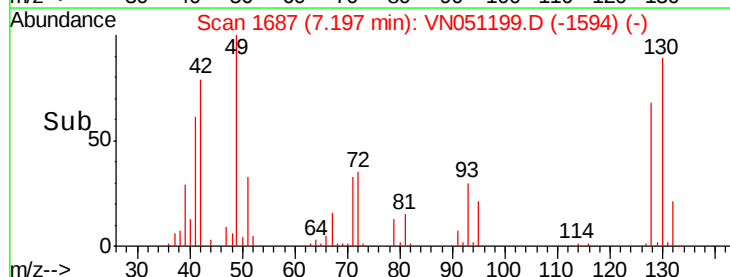
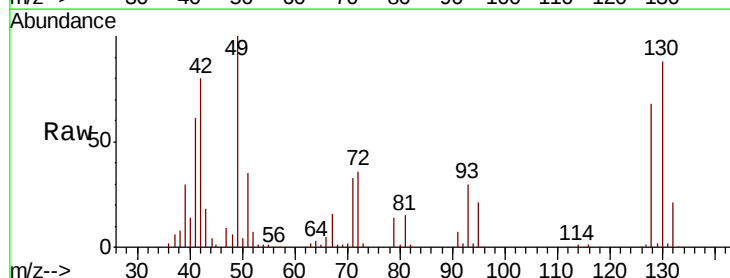
RT: 7.20 min Scan# 1687

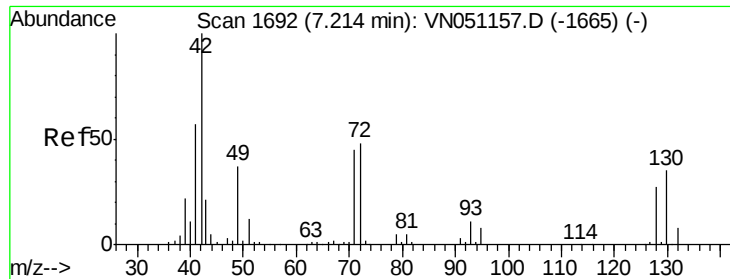
Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion:	49	Resp:	251317
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	89.6	70.7	106.1





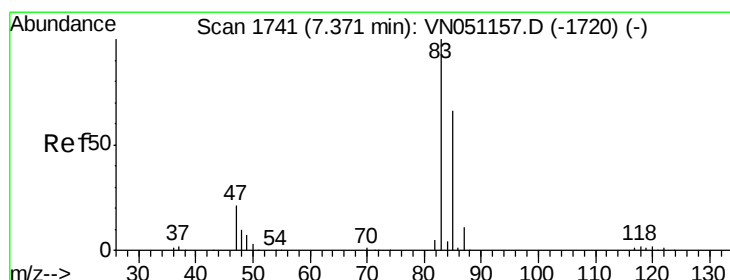
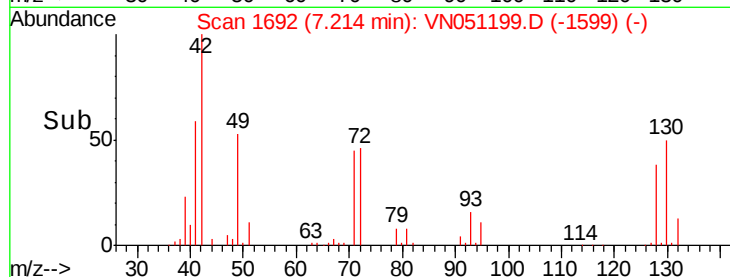
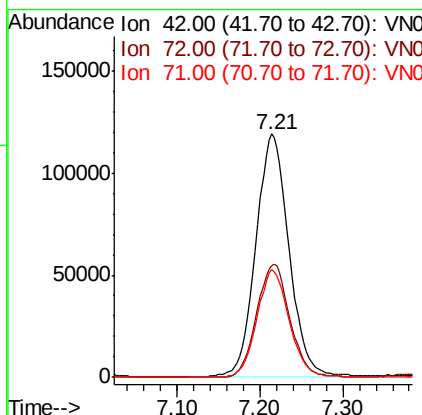
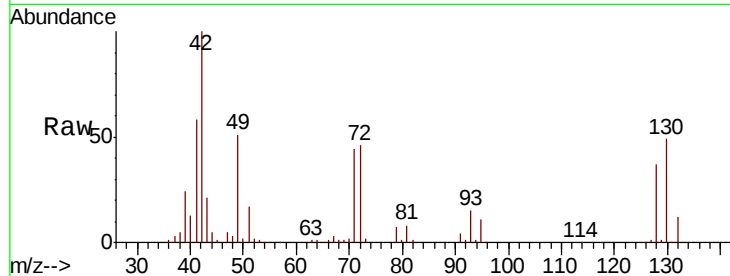
#29
Tetrahydrofuran
Concen: 208.26 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	43.5	34.7	52.1

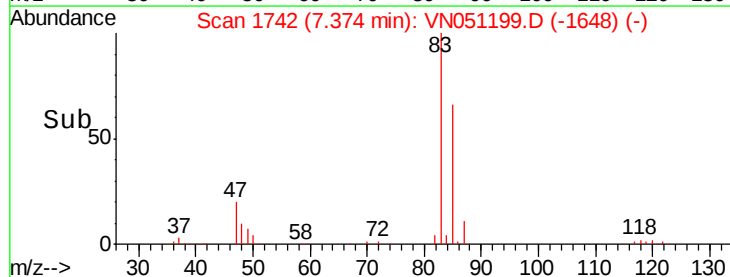
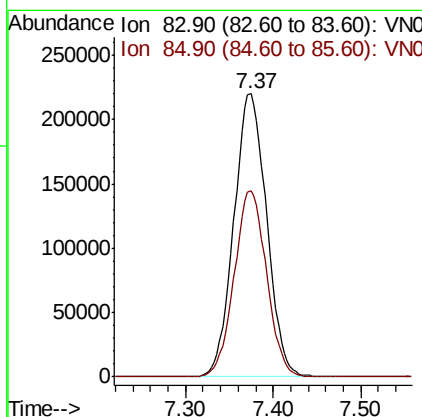
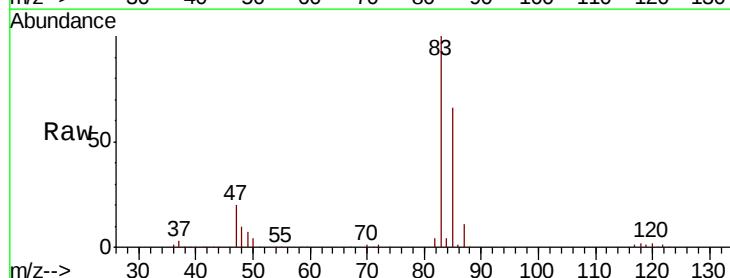
Manual Integrations
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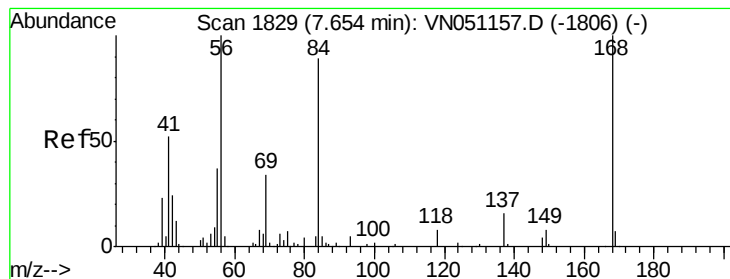
MMDadoda
9/17/2018 1:26:11 PM



#30
Chloroform
Concen: 48.65 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0





#31

Cyclohexane

Concen: 43.77 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 462443

Ion Ratio Lower Upper

56 100

69 33.0 26.3 39.5

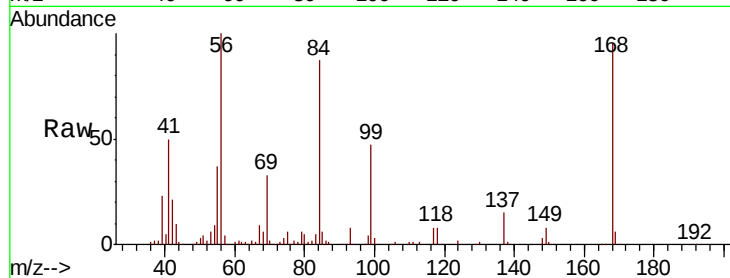
84 86.1 69.4 104.0

Manual Integrations

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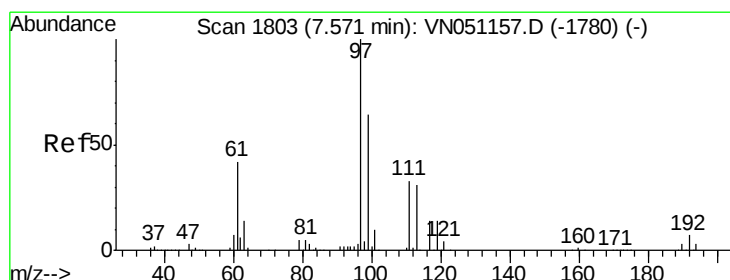
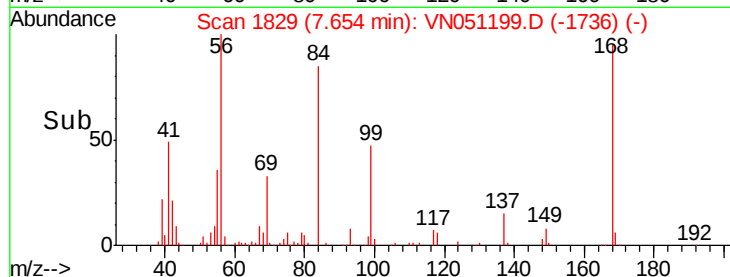
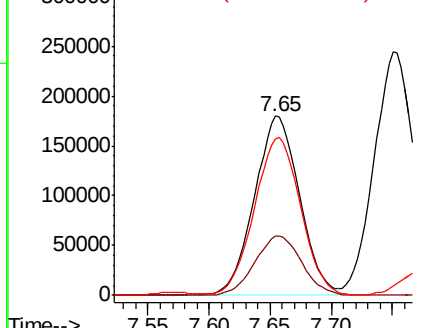
9/17/2018 1:26:11 PM



Abundance Ion 56.00 (55.70 to 56.70): VN051199.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051199.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051199.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 47.87 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

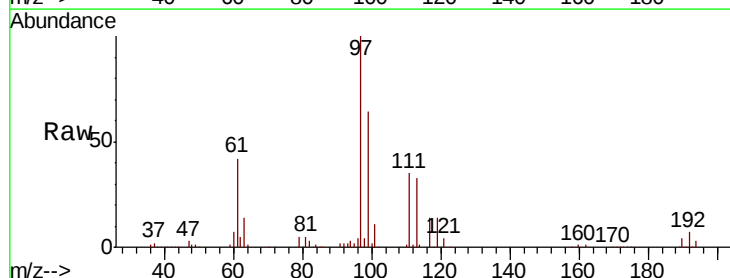
Tgt Ion: 97 Resp: 480521

Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

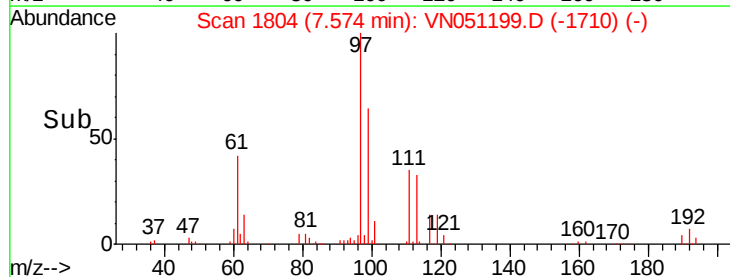
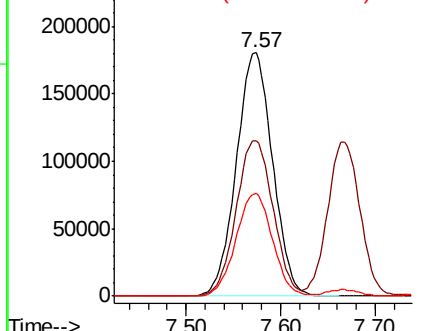
61 42.5 33.8 50.6

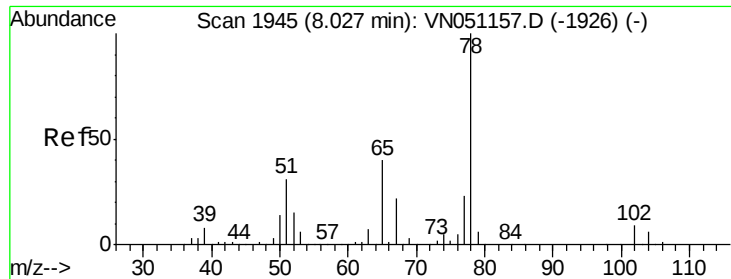


Abundance Ion 96.90 (96.60 to 97.60): VN051199.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN051199.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN051199.D (-1710) (-)





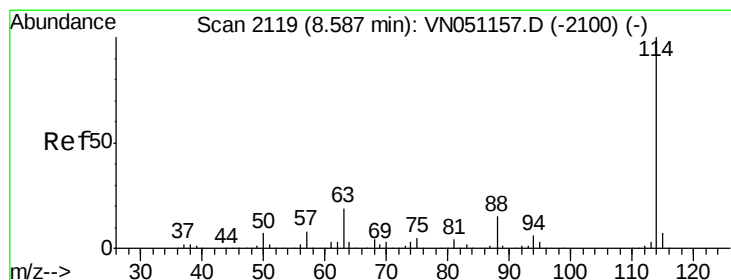
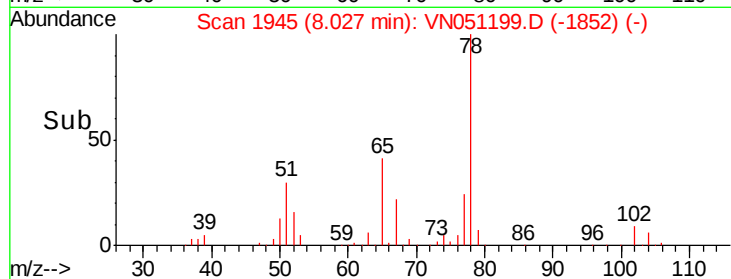
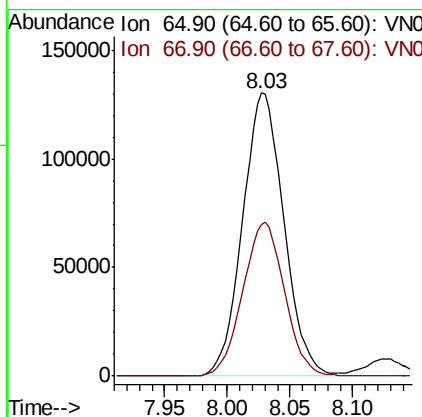
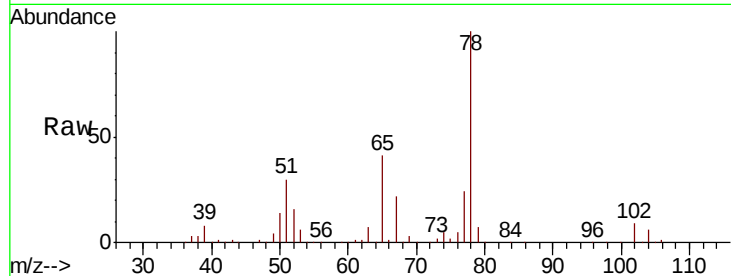
#33
 1,2-Dichloroethane-d4
 Concen: 46.37 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	298568		
67	55.1	0.0	112.0	

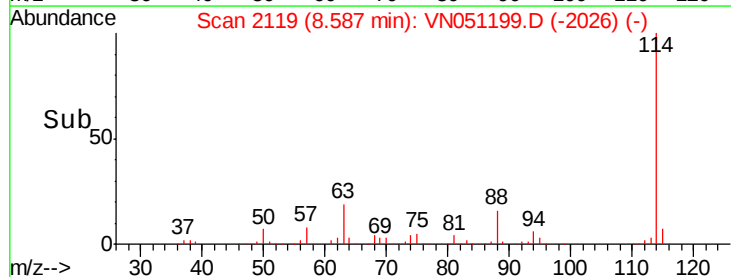
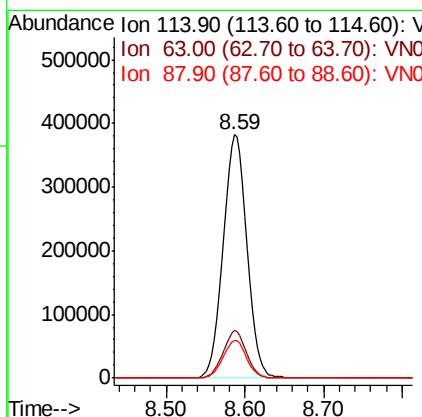
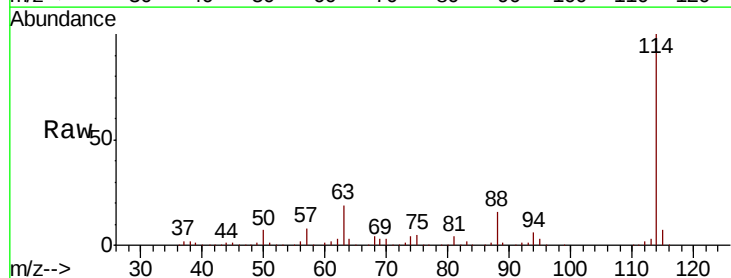
Manual Integrations
 APPROVED

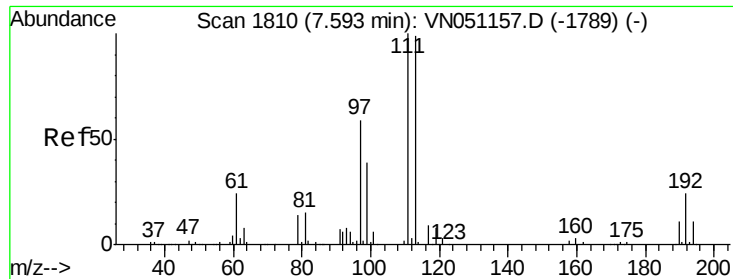
MMDadoda
 9/17/2018 1:26:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	795095		
63	19.5	0.0	37.8	
88	15.5	0.0	30.8	





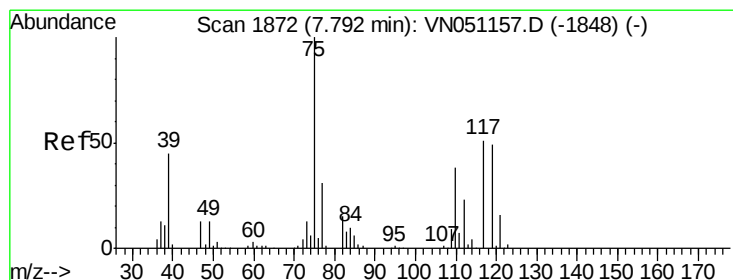
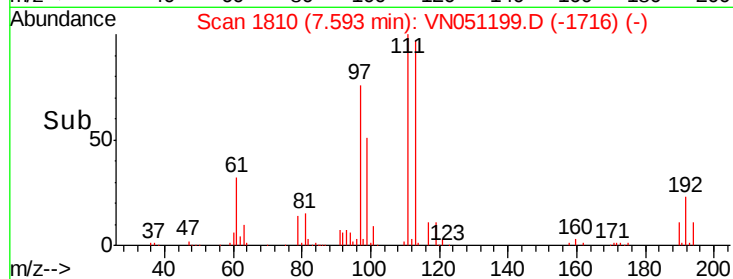
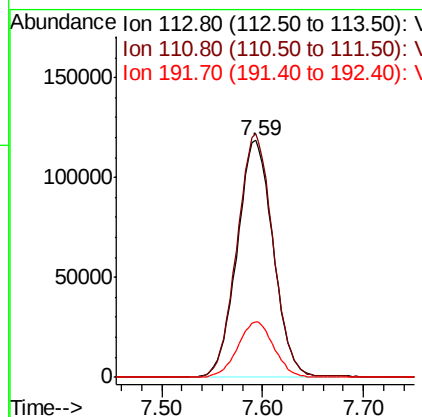
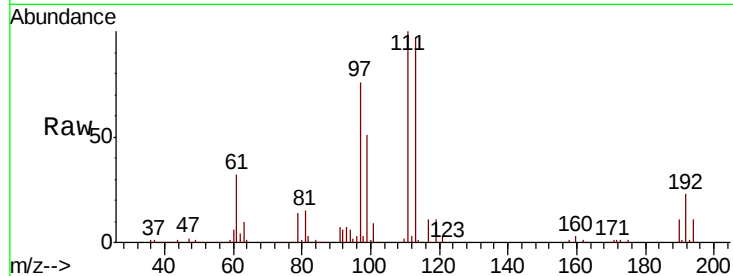
#35
 Dibromofluoromethane
 Concen: 49.33 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	294693		
111	102.7	83.0	124.6	
192	23.5	18.7	28.1	

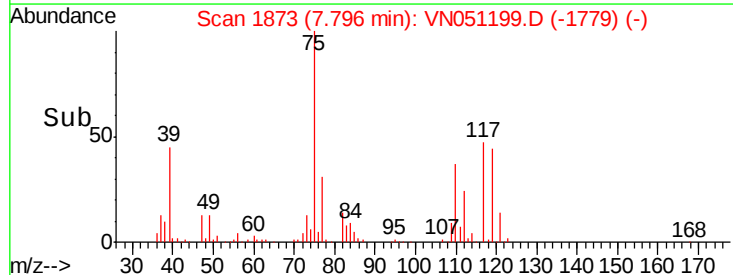
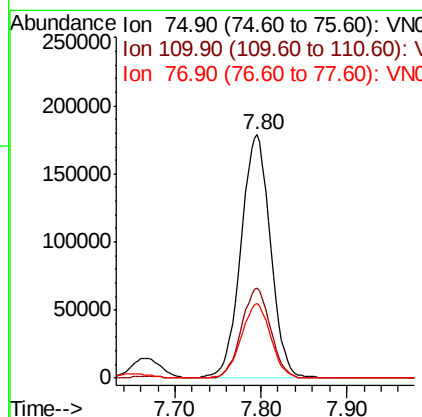
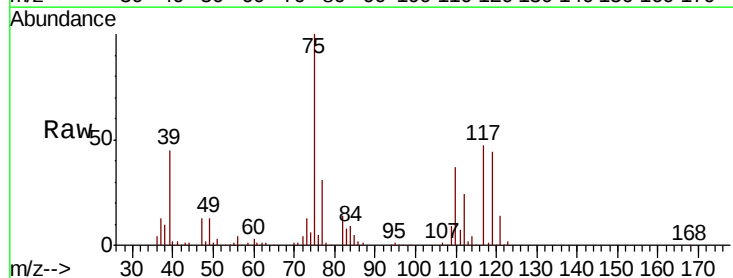
Manual Integrations
 APPROVED

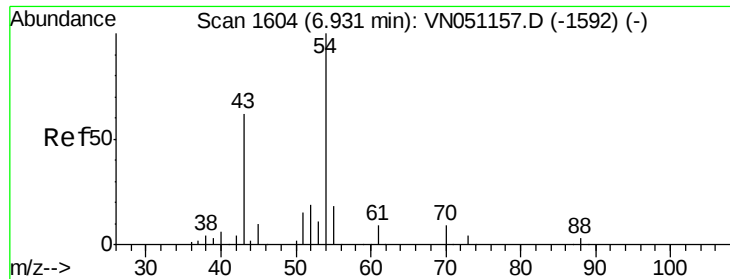
MMDadoda
 9/17/2018 1:26:11 PM



#36
 1,1-Dichloropropene
 Concen: 48.67 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	424897		
110	36.6	18.6	55.8	
77	31.0	25.2	37.8	





#37

Ethyl Acetate

Concen: 43.69 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

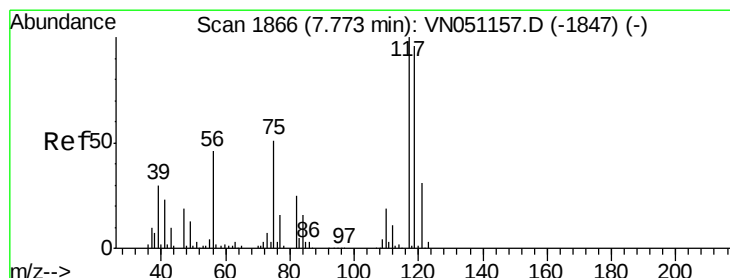
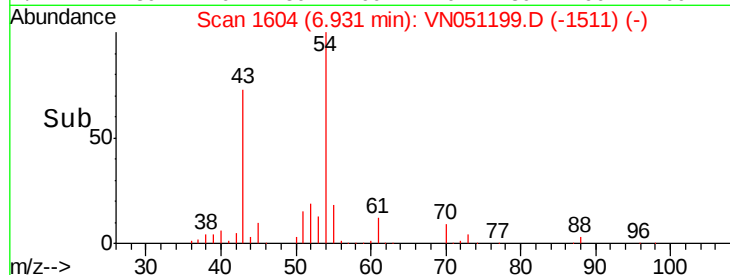
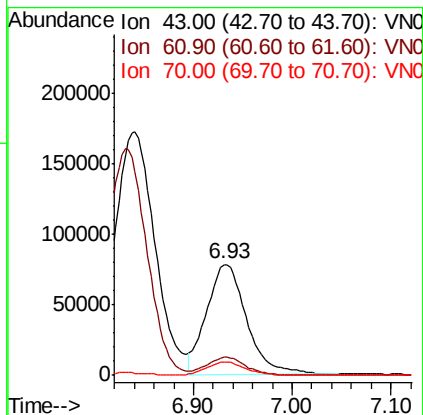
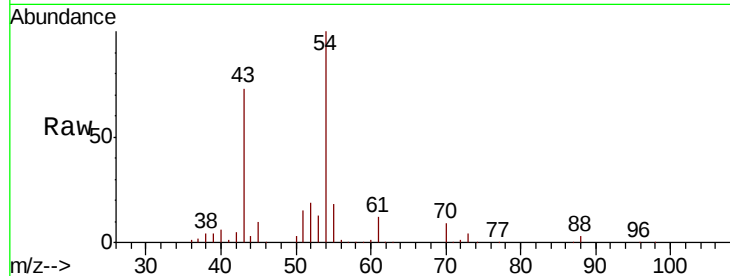
ClientSampled :

VSTDCCC050

Tot Ion:	43	Resp:	220904
Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.4	18.6
70	11.9	9.3	13.9

Manual Integrations
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9/17/2018 1:26:11 PM



#38

Carbon Tetrachloride

Concen: 50.60 ug/l

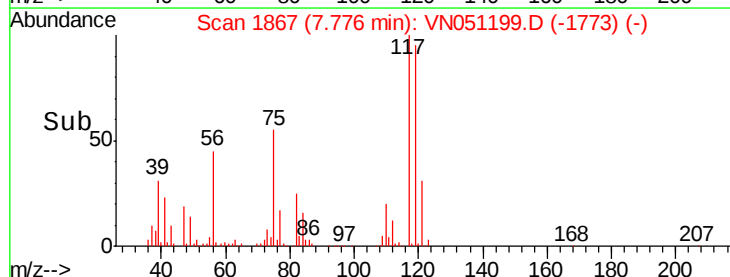
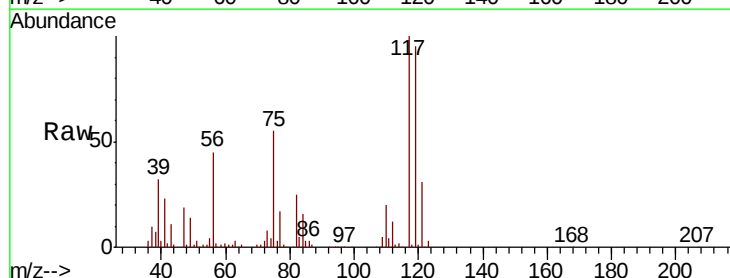
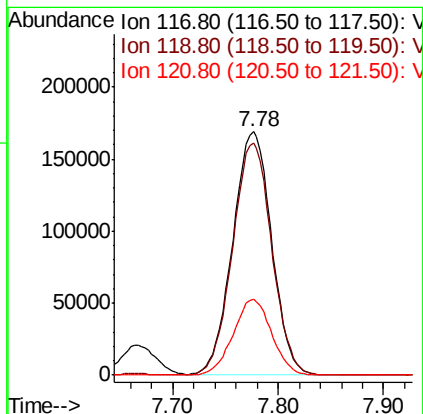
RT: 7.78 min Scan# 1867

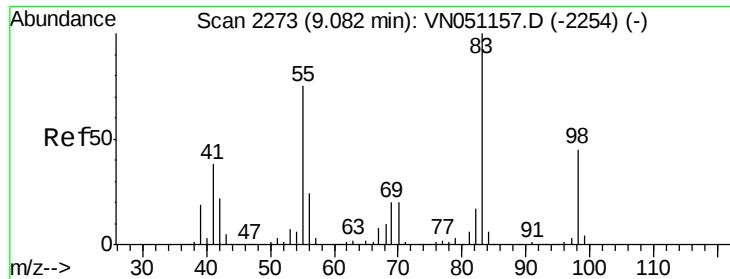
Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion:	117	Resp:	434770
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.8	115.2
121	30.9	24.6	36.8





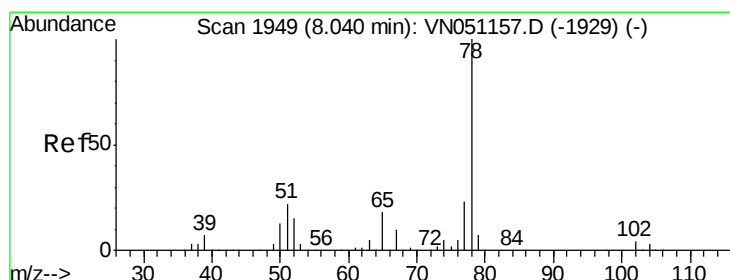
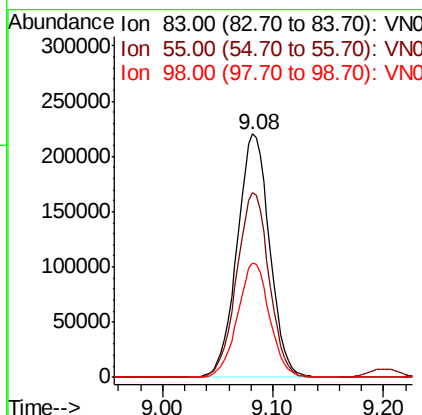
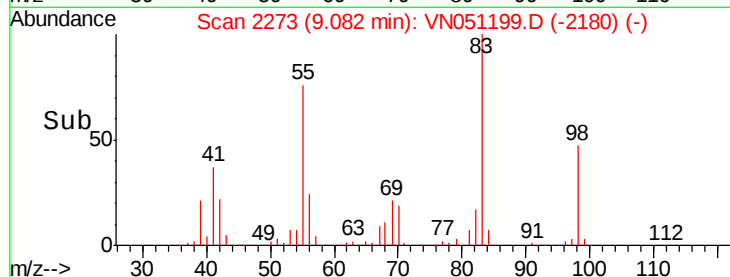
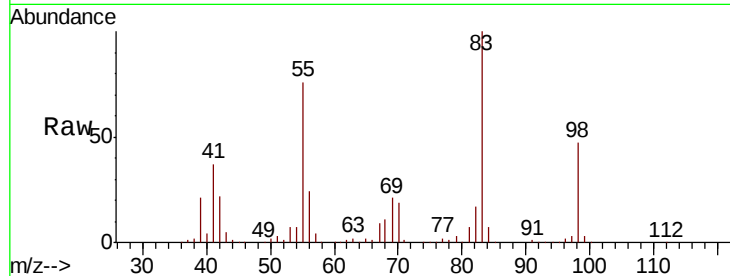
#39
Methvlcvclohexane
Concen: 46.59 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	448748
Ion Ratio	100	Lower	Upper
83	100		
55	76.0	58.4	87.6
98	47.1	37.3	55.9

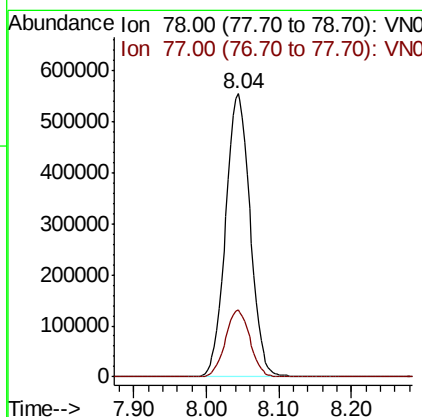
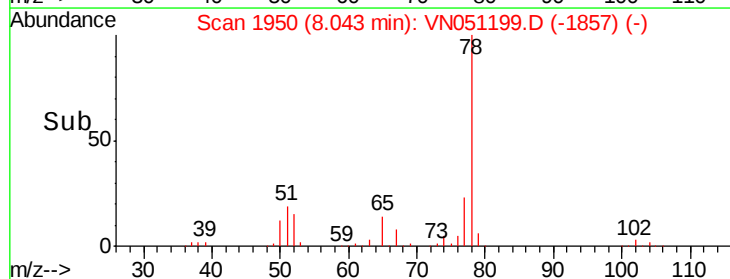
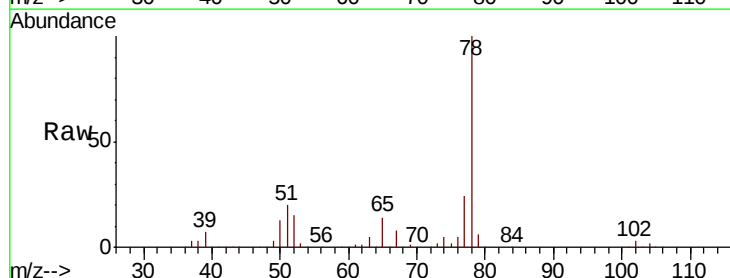
Manual Integrations
APPROVED

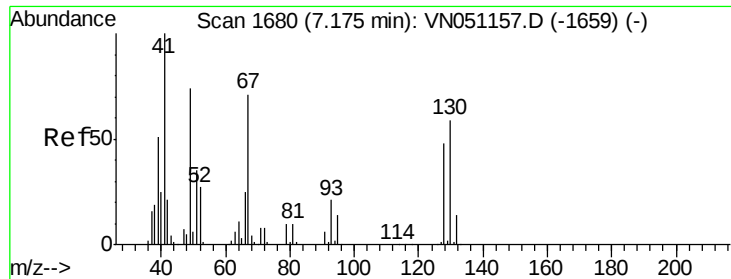
MMDadoda
9/17/2018 1:26:11 PM



#40
Benzene
Concen: 49.52 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	78	Resp	1302633
Ion Ratio	100	Lower	Upper
78	100		
77	23.5	18.6	27.8





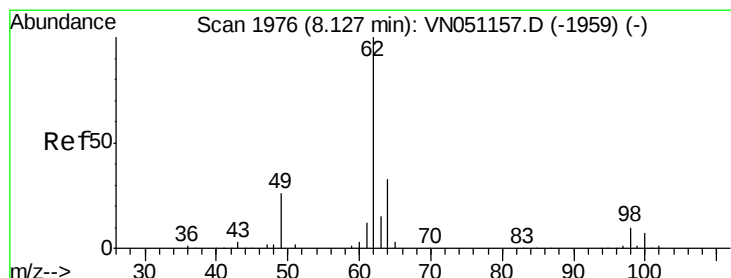
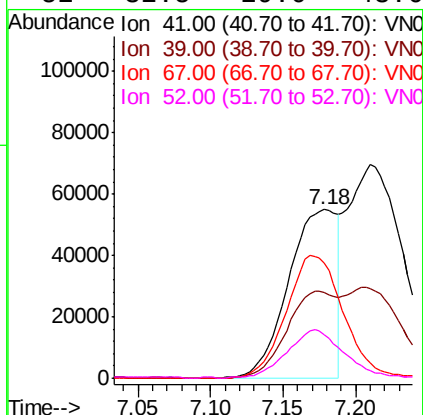
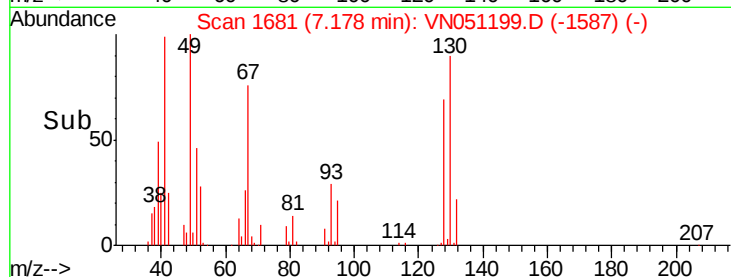
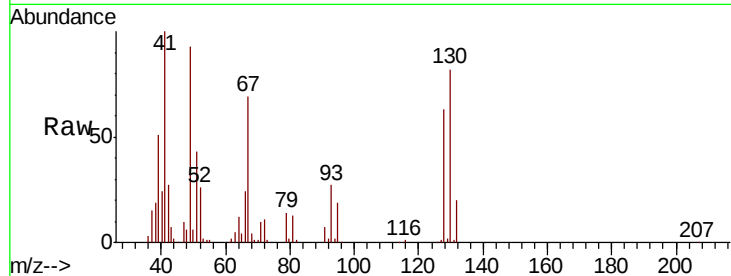
#41
Methacrylonitrile
Concen: 49.32 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.9	51.3	76.9
67	85.1	78.5	117.7
52	32.5	29.0	43.6

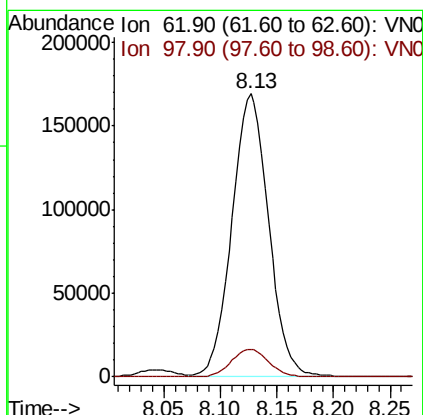
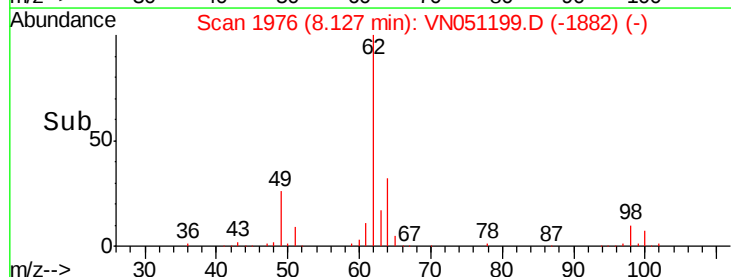
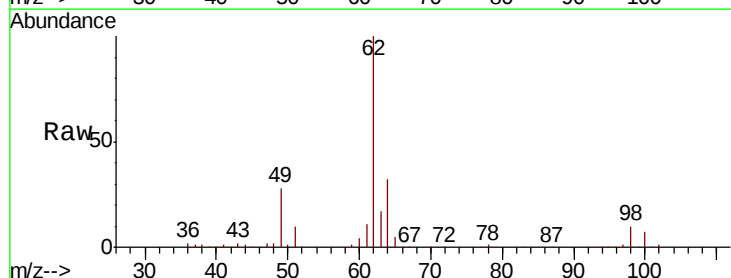
Manual Integrations
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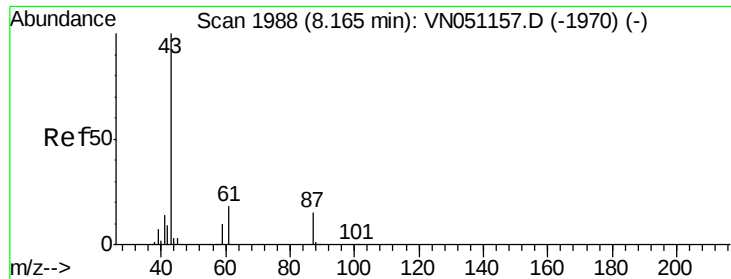
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.61 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	21.0





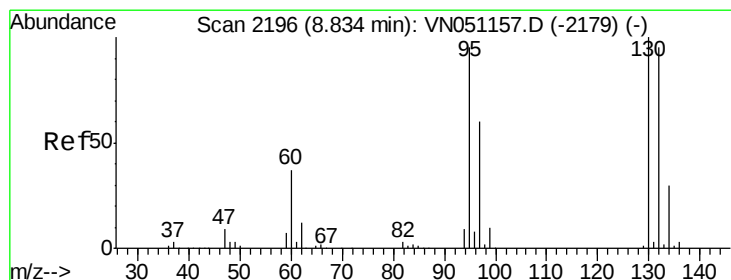
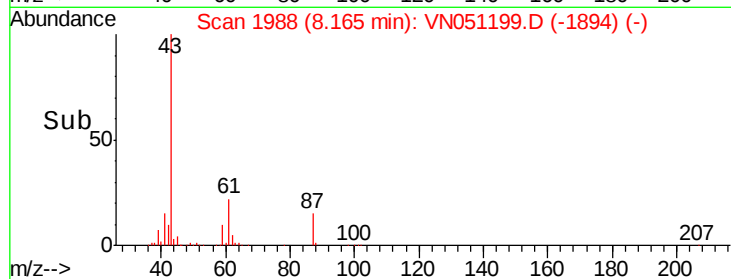
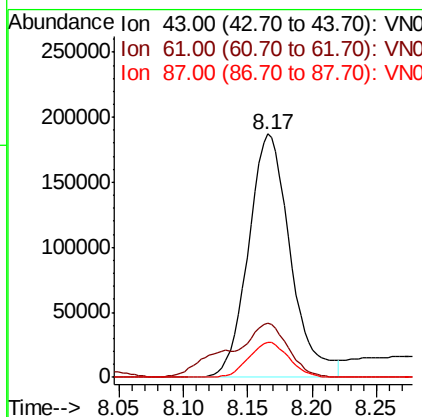
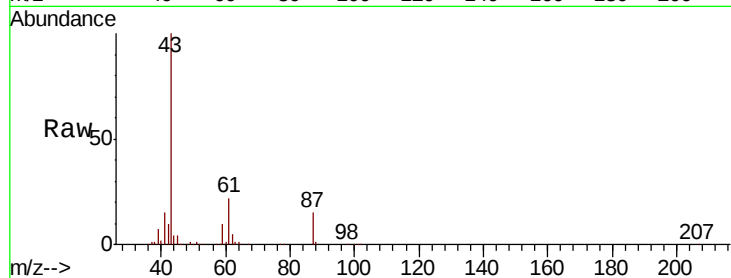
#43
Isopropyl Acetate
Concen: 47.36 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	25.0	37.6#
87	13.9	11.8	17.8

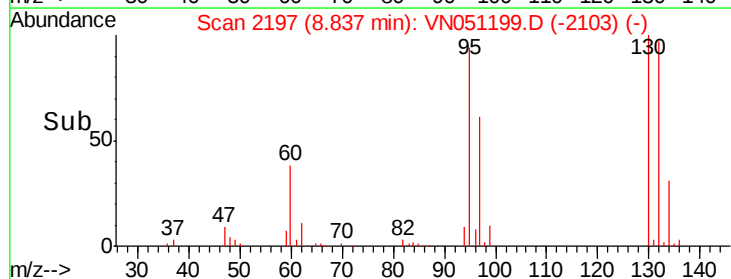
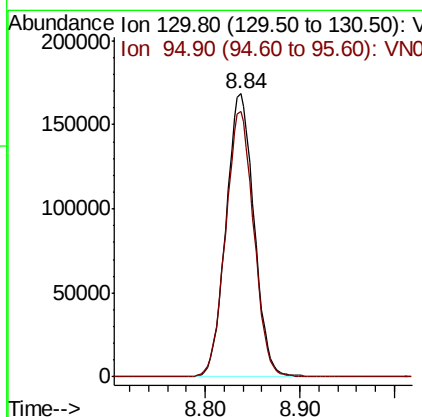
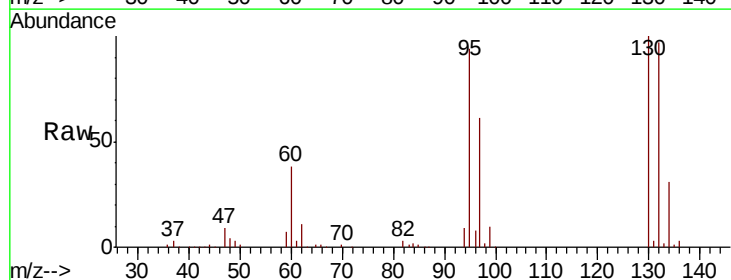
Manual Integrations
APPROVED

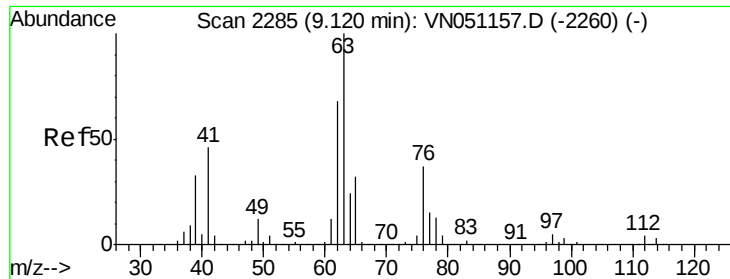
MMDadoda
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#44
Trichloroethene
Concen: 48.18 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	186.2





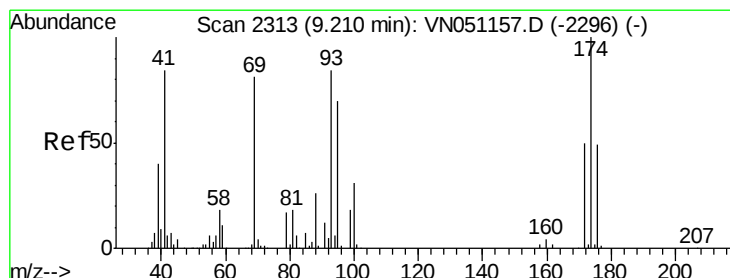
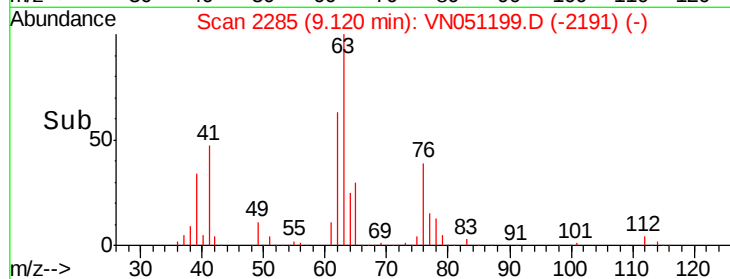
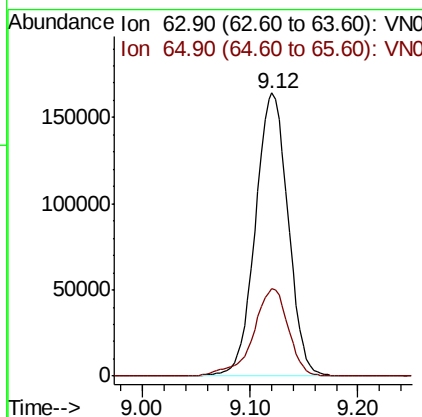
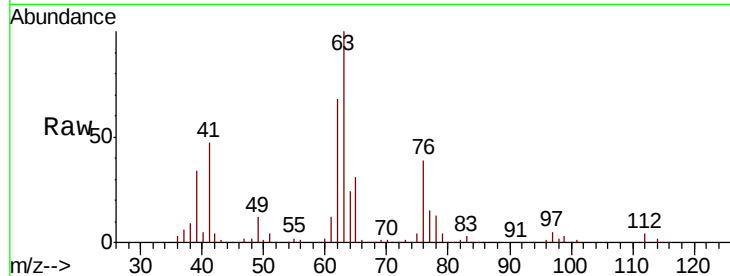
#45
 1,2-Dichloropropane
 Concen: 50.76 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 345029
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

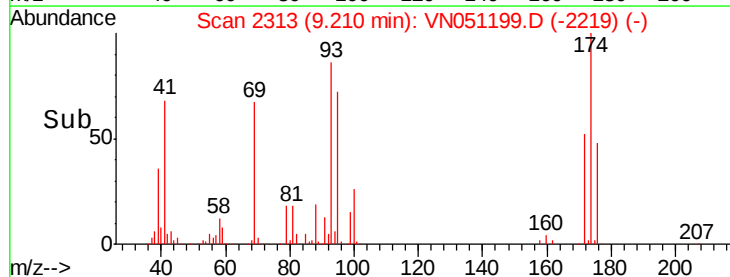
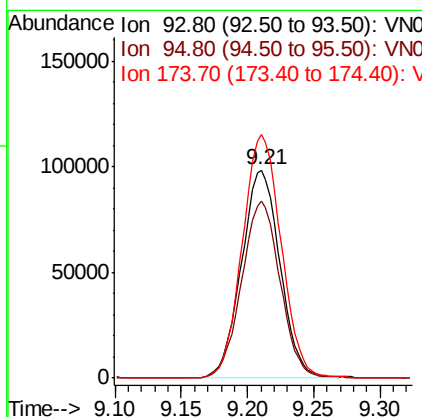
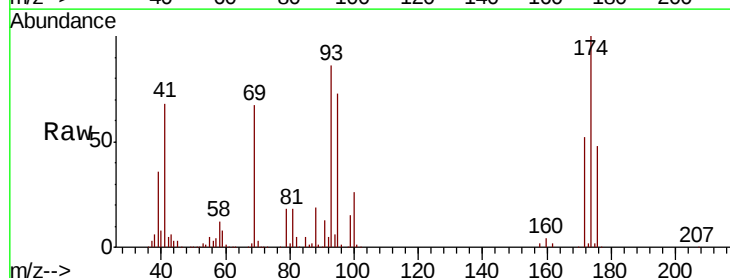
Manual Integrations
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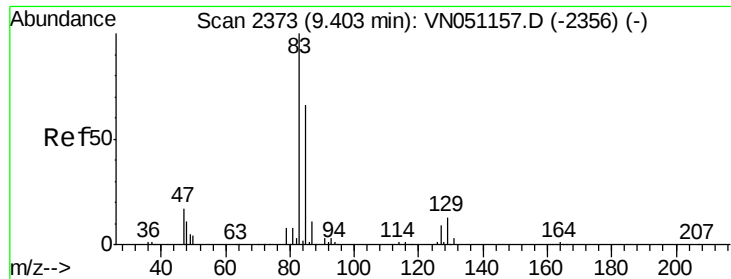
MMDadoda
 9/17/2018 1:26:11 PM



#46
 Dibromomethane
 Concen: 48.10 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion: 93 Resp: 199462
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.8 100.2
 174 117.9 93.3 139.9





#47

Bromodichloromethane

Concen: 52.16 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

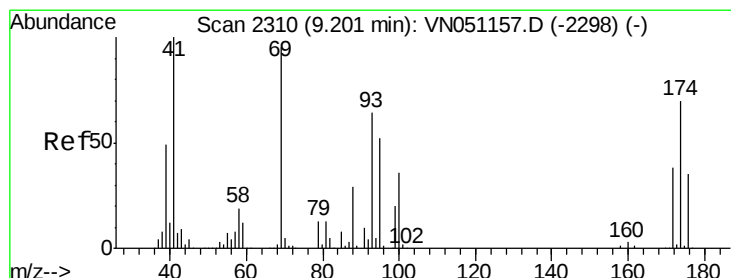
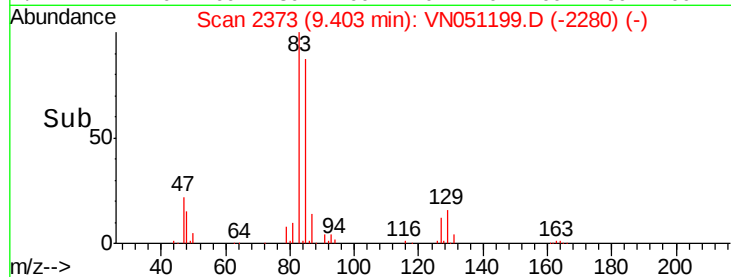
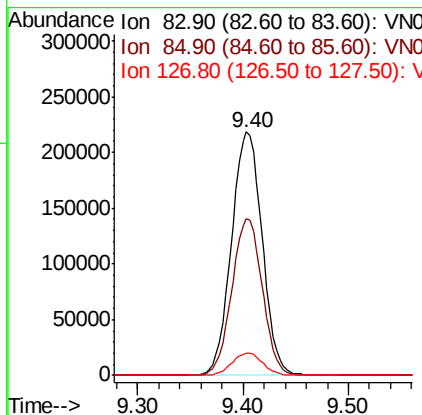
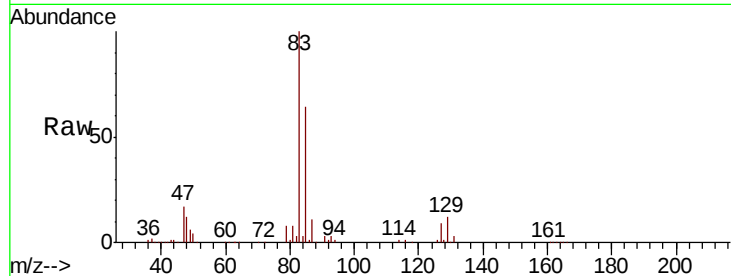
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	439844
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.3	78.5
127	9.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.82 ug/l

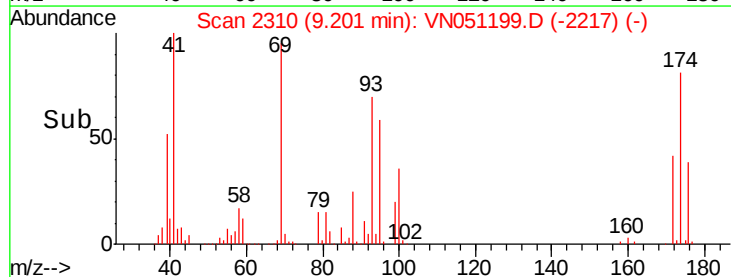
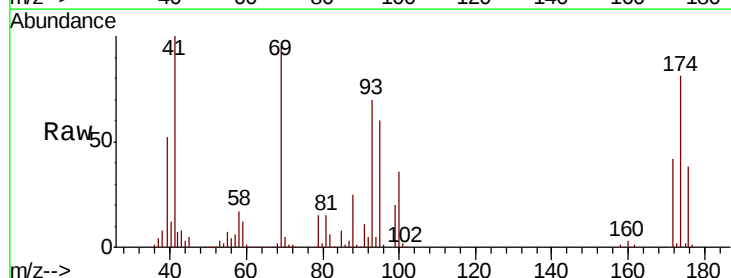
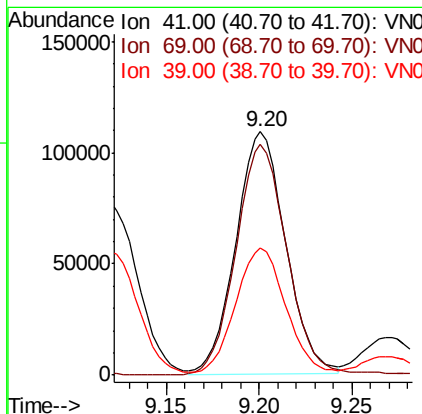
RT: 9.20 min Scan# 2310

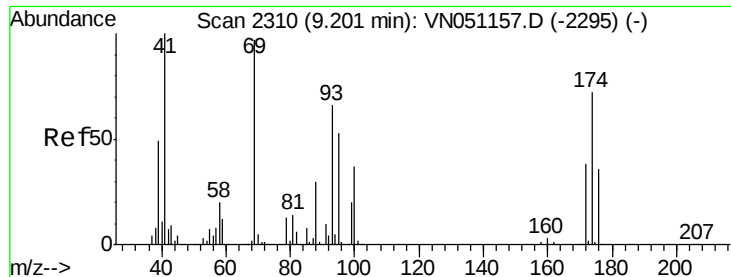
Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion:	41	Resp:	203531
Ion	Ratio	Lower	Upper
41	100		
69	97.6	77.7	116.5
39	52.8	41.6	62.4





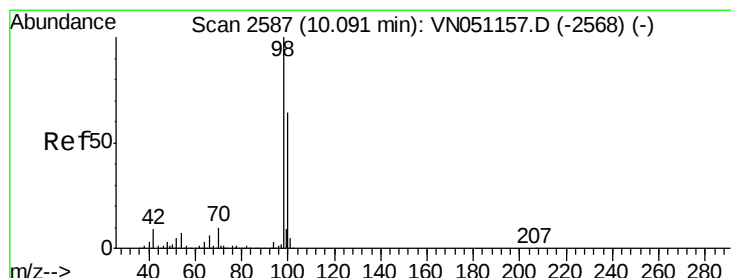
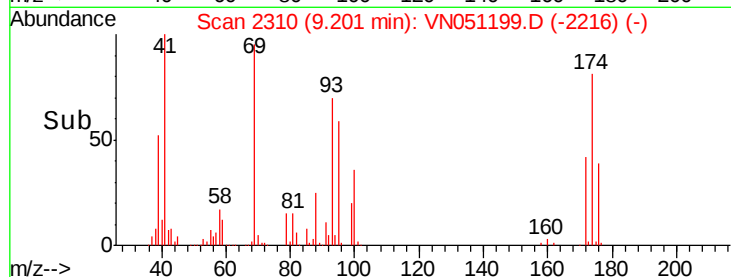
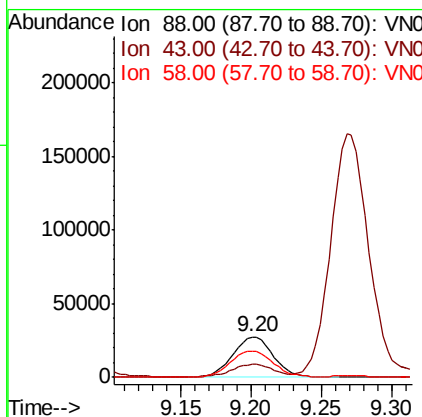
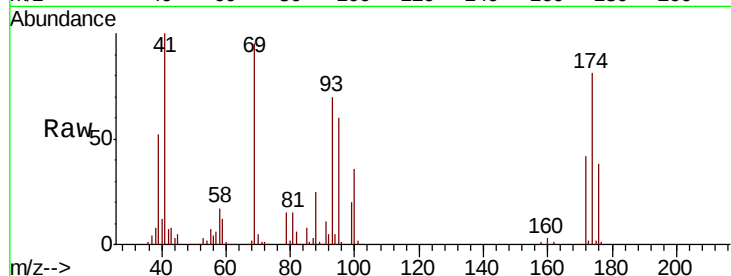
#49
1,4-Dioxane
Concen: 819.57 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.7	35.5
58	68.6	54.6	82.0

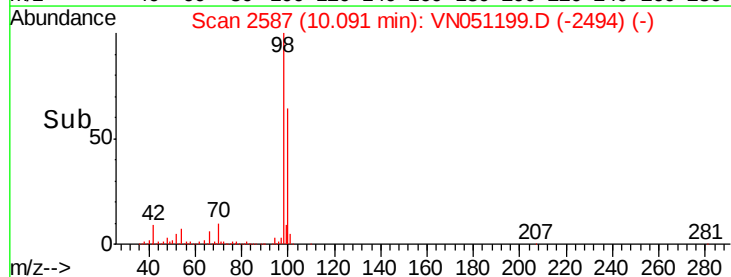
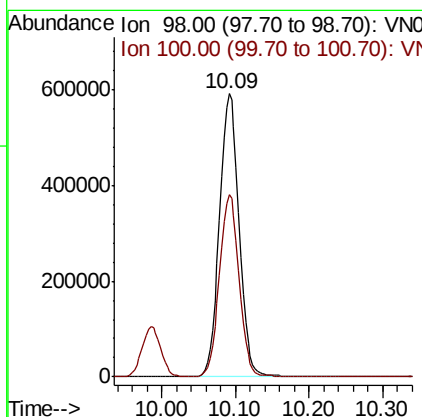
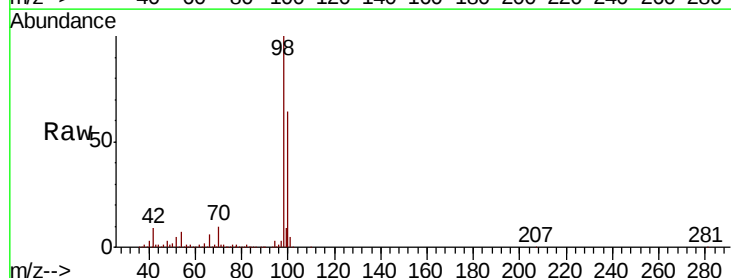
Manual Integrations
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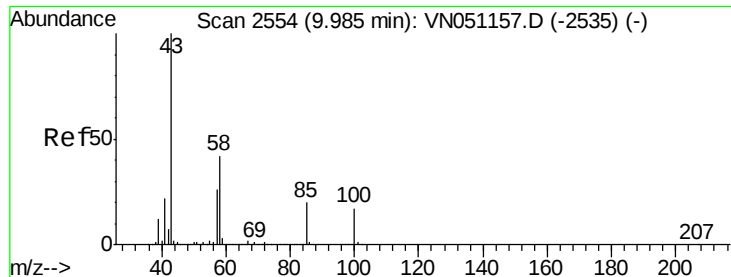
MMDadoda
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#50
Toluene-d8
Concen: 48.09 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 228.83 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1128852

Ion Ratio Lower Upper

43 100

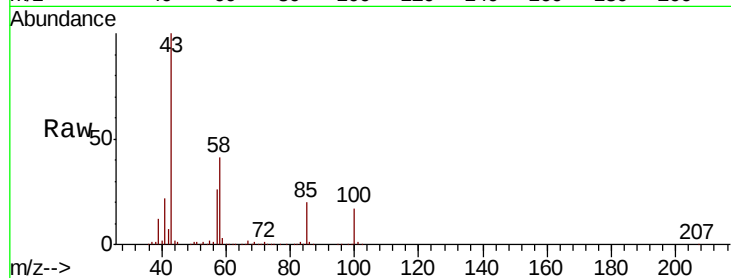
58 41.5 33.5 50.3

Manual Integrations

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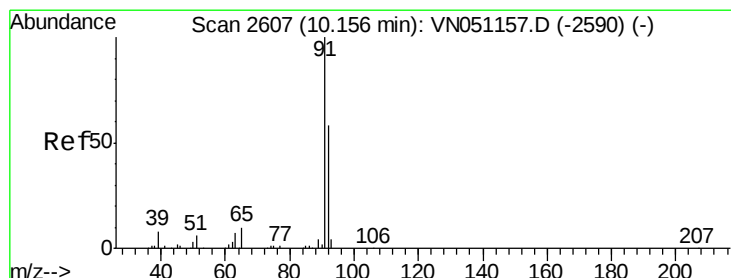
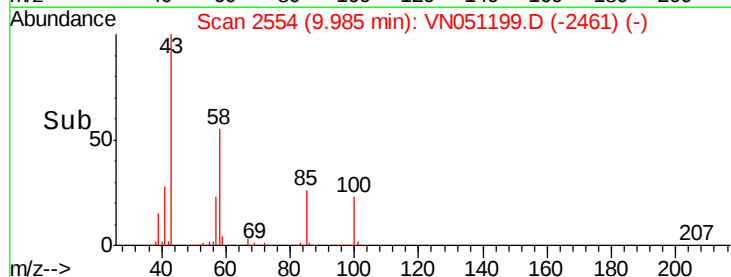
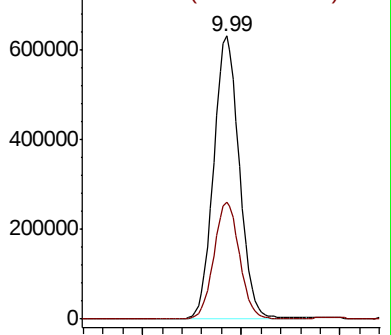
MMDadoda

9/17/2018 1:26:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.22 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051199.D

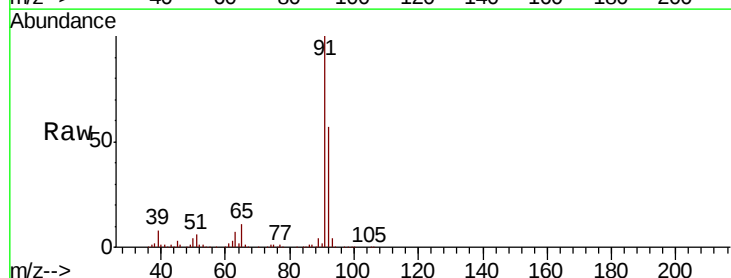
Acq: 14 Sep 2018 19:17

Tgt Ion: 92 Resp: 805519

Ion Ratio Lower Upper

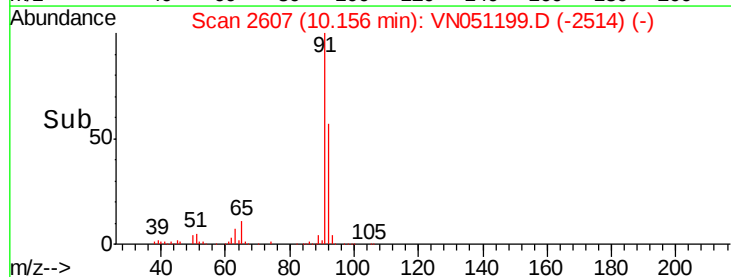
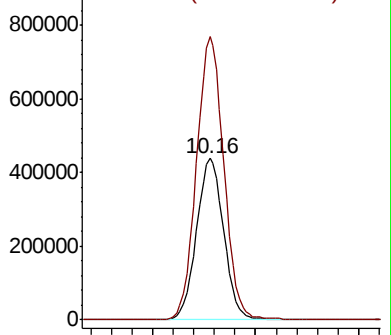
92 100

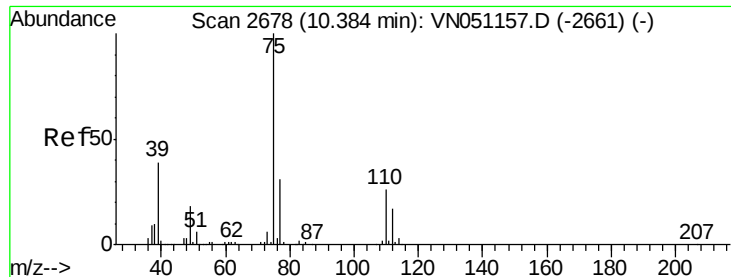
91 176.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





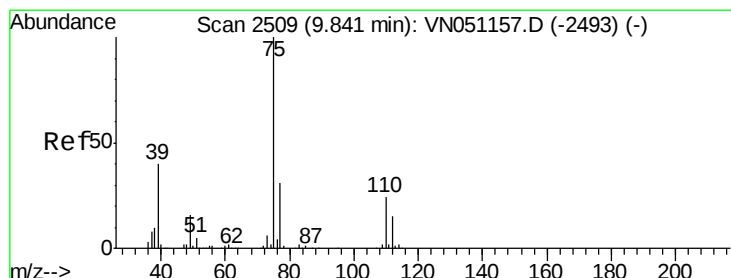
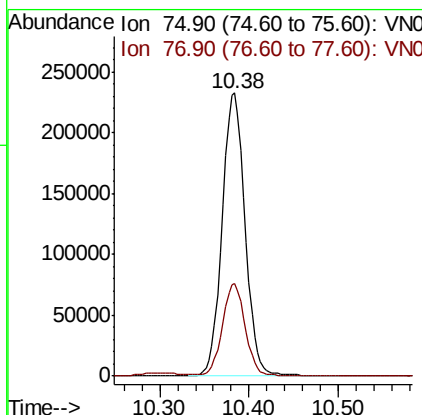
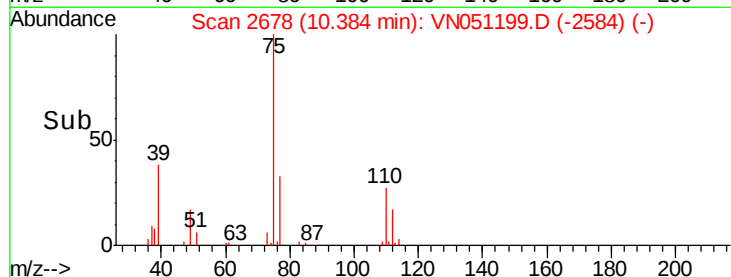
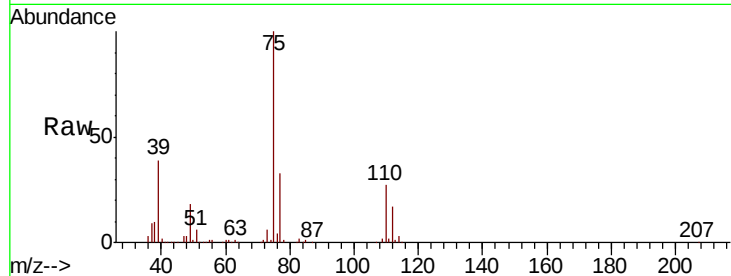
#53
t-1,3-Dichloropropene
Concen: 49.08 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 414176
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9

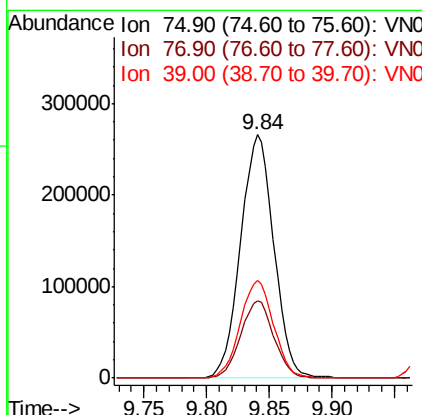
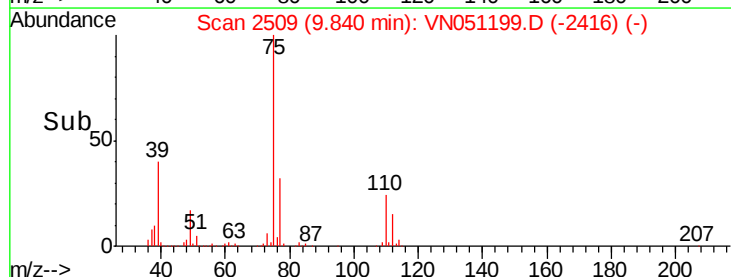
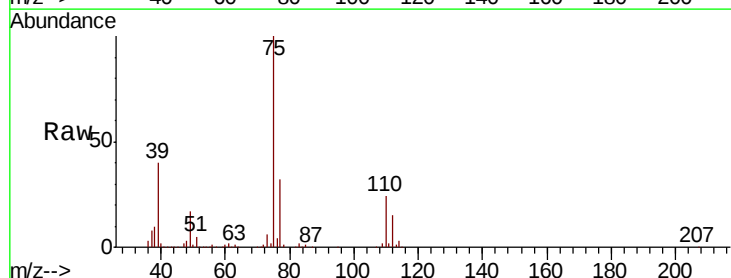
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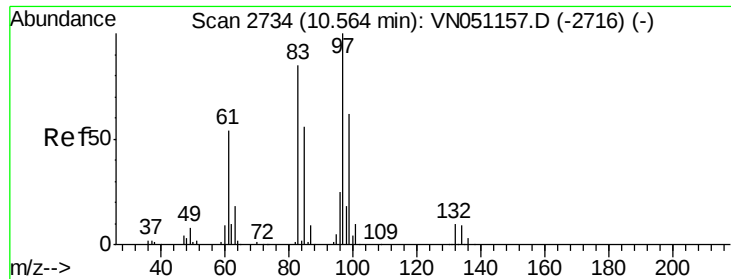
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.61 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion: 75 Resp: 490940
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5
39 40.0 31.9 47.9





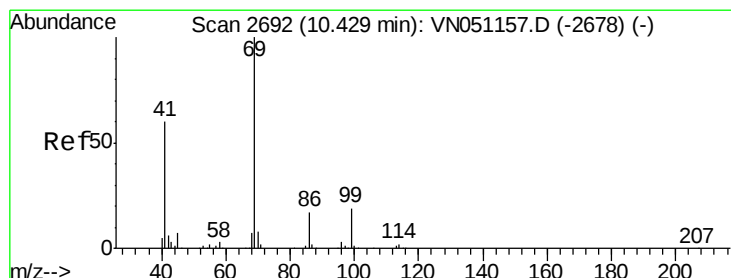
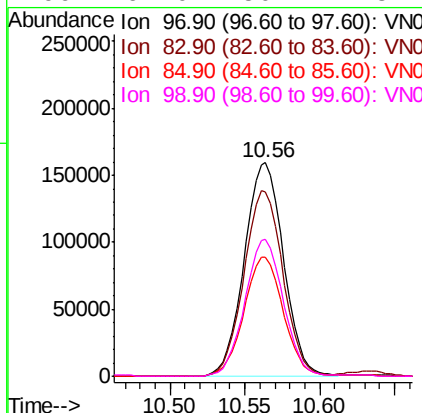
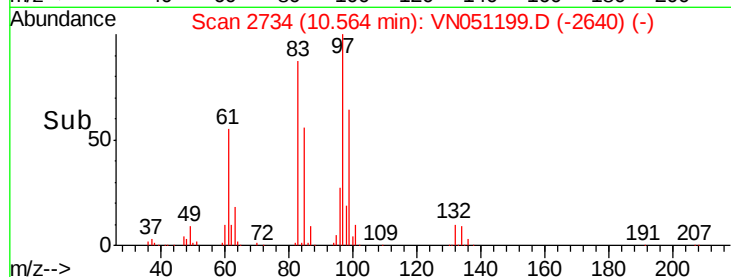
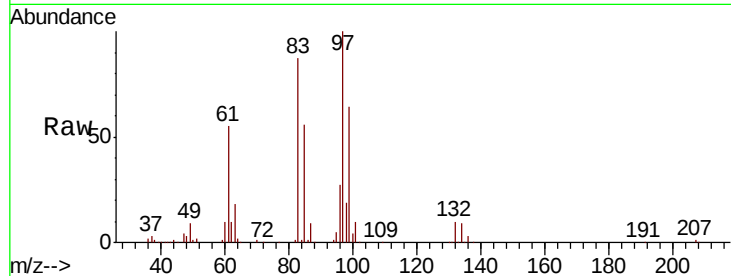
#55
 1,1,2-Trichloroethane
 Concen: 50.04 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	291552
Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.2	102.2
85	55.9	44.8	67.2
99	64.0	50.2	75.4

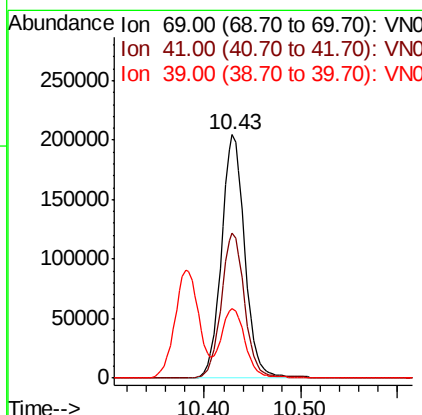
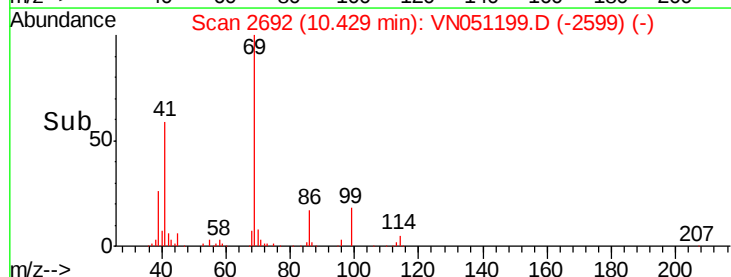
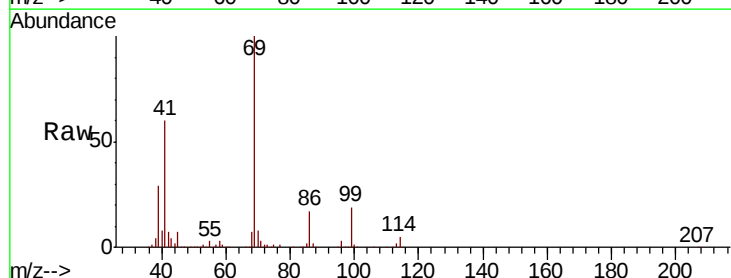
Manual Integrations
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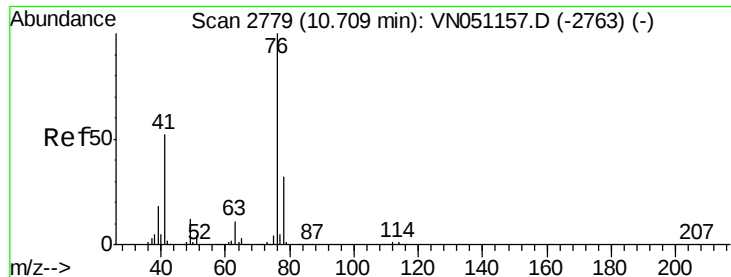
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 9/17/2018 1:26:11 PM



#56
 Ethyl methacrylate
 Concen: 43.92 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion:	69	Resp:	340988
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.8	71.8
39	29.8	23.0	34.4





#57

1,3-Dichloropropane

Concen: 49.70 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 480080

Ion Ratio Lower Upper

76 100

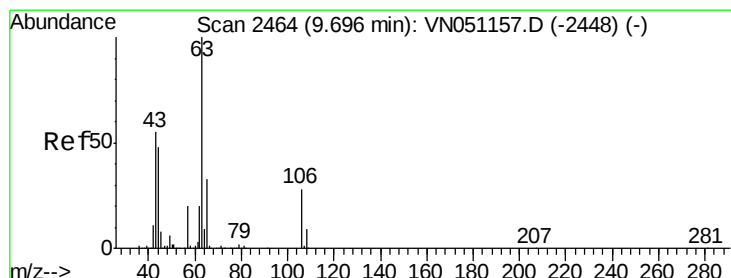
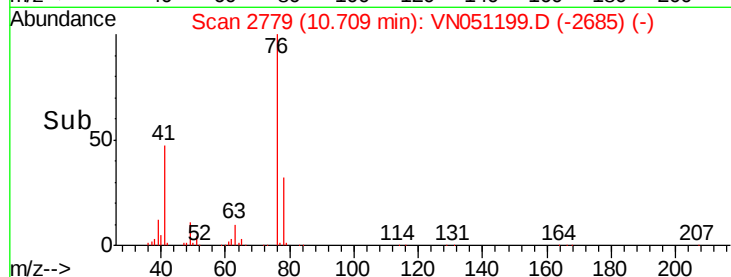
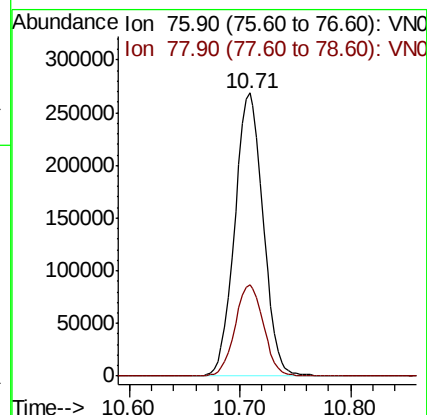
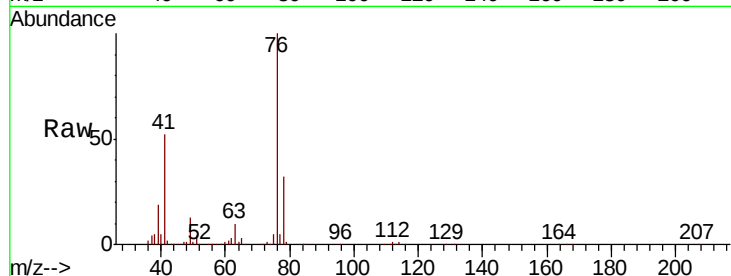
78 32.4 26.1 39.1

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 211.83 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051199.D

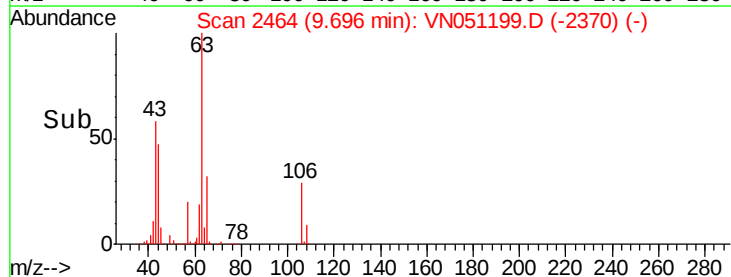
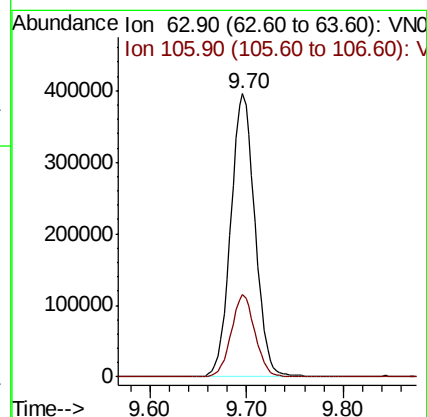
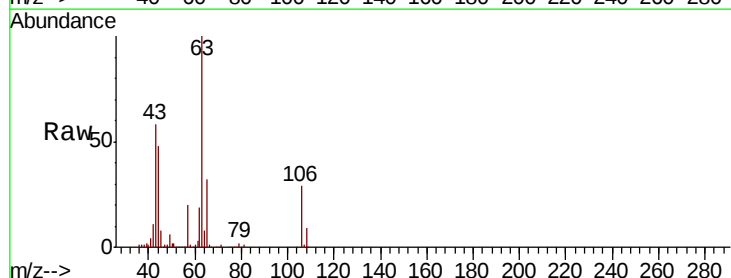
Acq: 14 Sep 2018 19:17

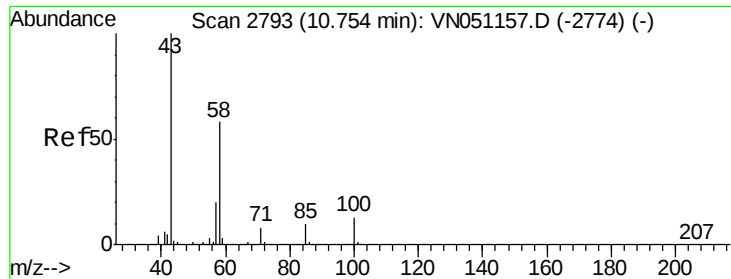
Tgt Ion: 63 Resp: 688140

Ion Ratio Lower Upper

63 100

106 28.6 22.5 33.7





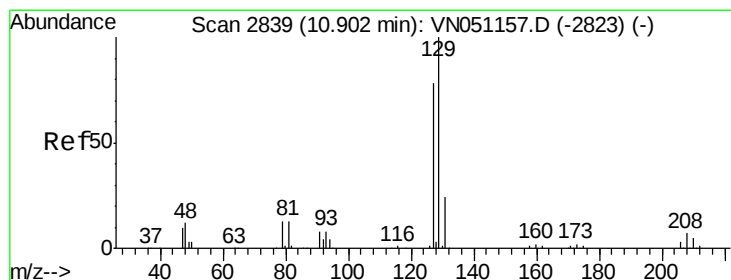
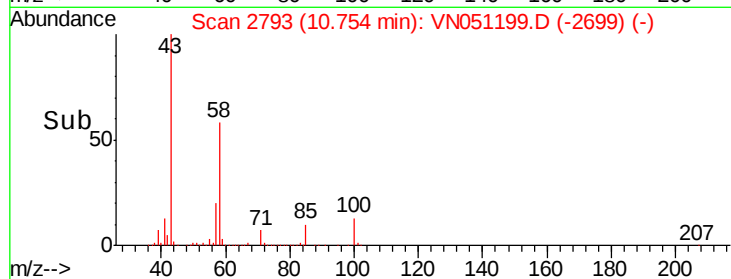
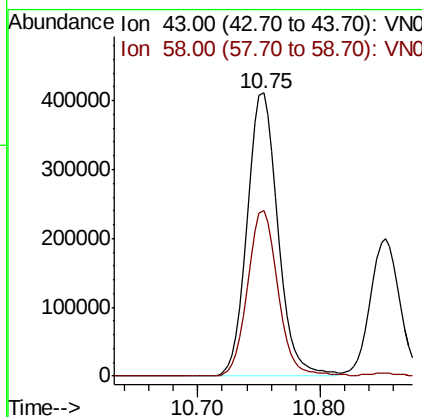
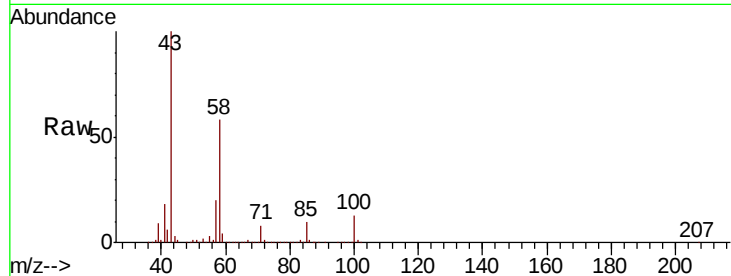
#59
2-Hexanone
Concen: 212.13 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	709689
Ion Ratio	100	Lower	Upper
43	100		
58	58.0	29.3	88.0

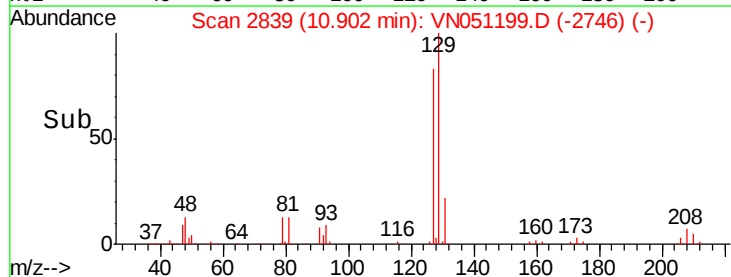
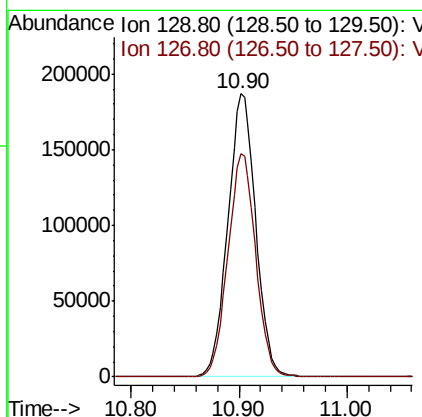
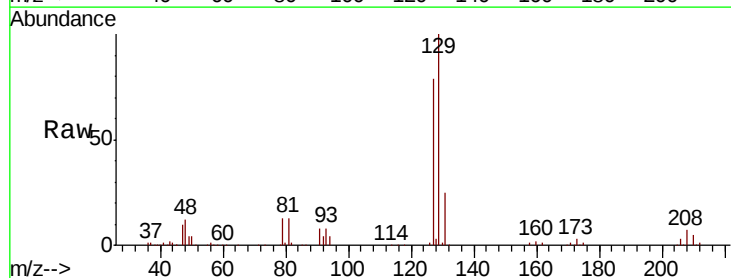
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APPROVED

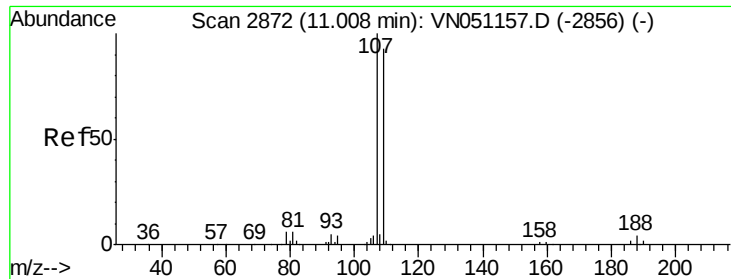
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#60
Dibromochloromethane
Concen: 51.31 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	129	Resp	336982
Ion Ratio	100	Lower	Upper
129	100		
127	78.7	38.5	115.5





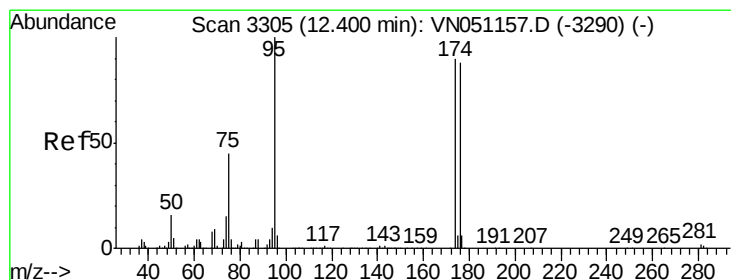
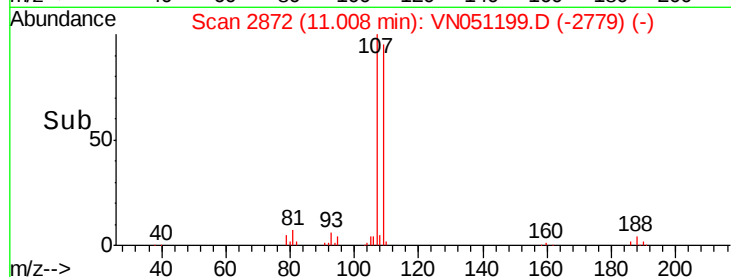
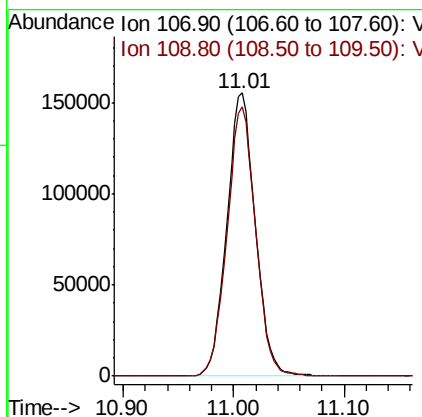
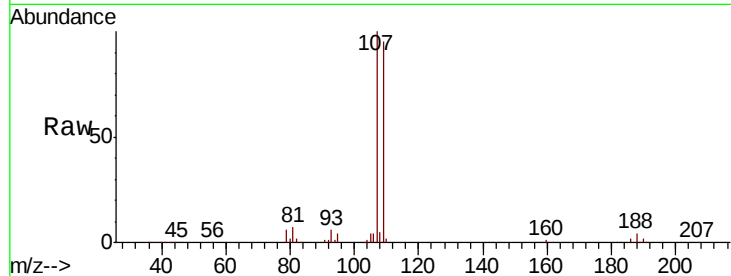
#61
 1,2-Dibromoethane
 Concen: 48.80 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	76.0	114.0

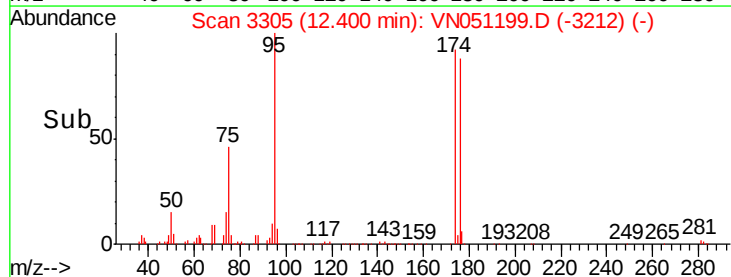
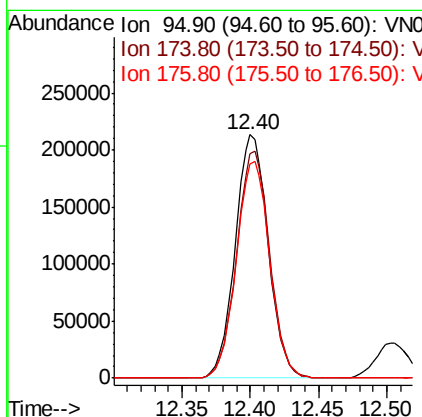
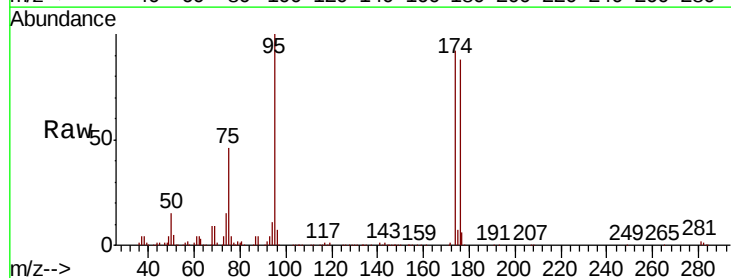
Manual Integrations
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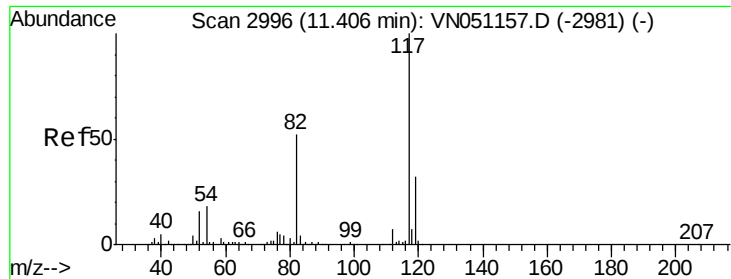
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#62
 4-Bromofluorobenzene
 Concen: 47.63 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	184.8
176	90.2	0.0	178.6





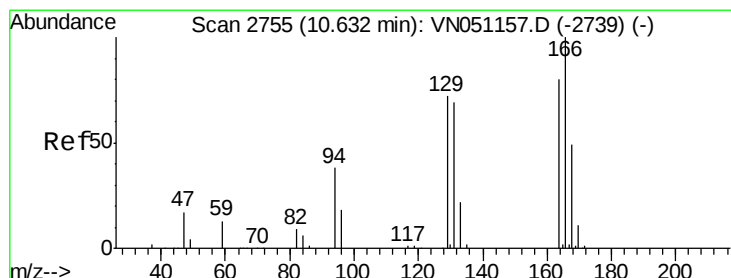
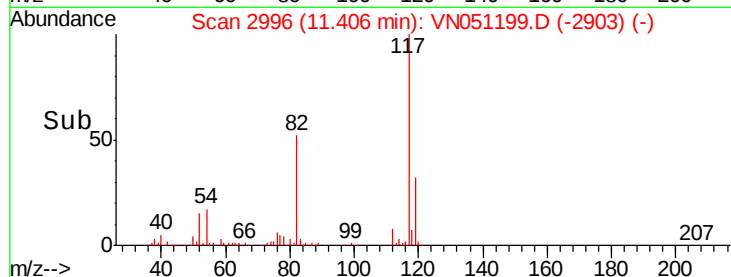
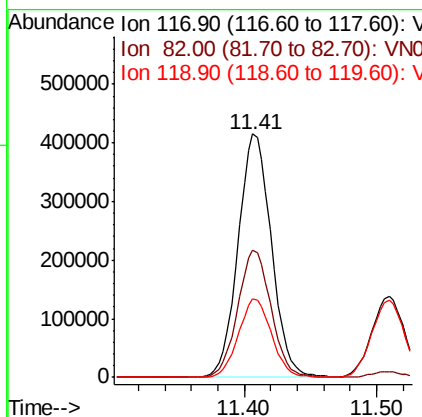
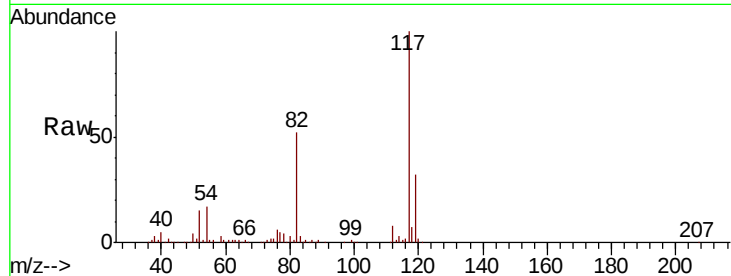
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.6
119	32.0	26.2	39.2

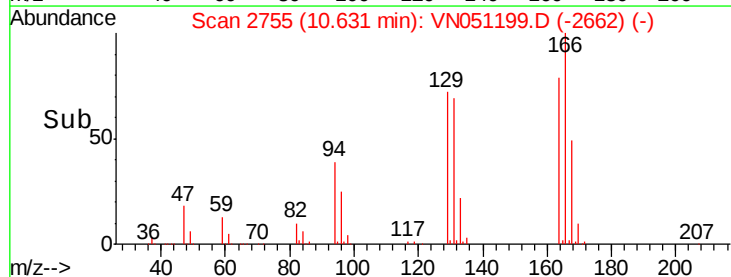
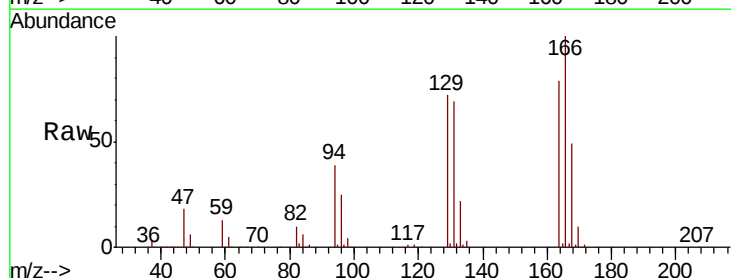
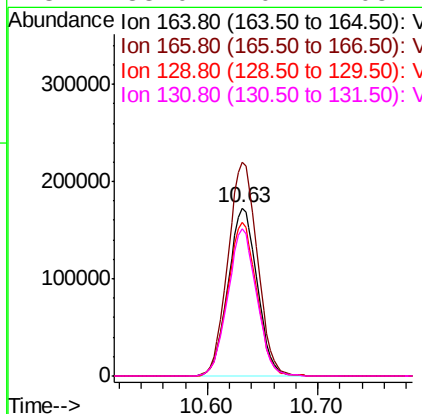
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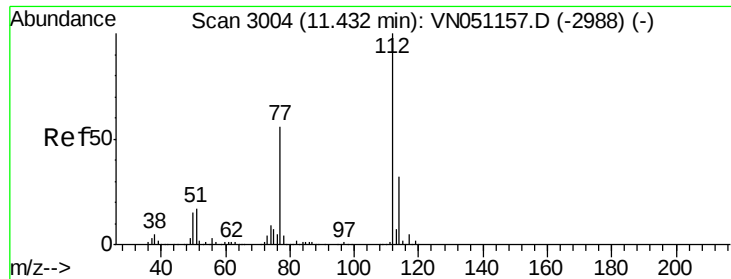
MMDadoda
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#64
Tetrachloroethene
Concen: 47.83 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.3	151.9
129	91.6	72.2	108.2
131	88.0	70.2	105.2





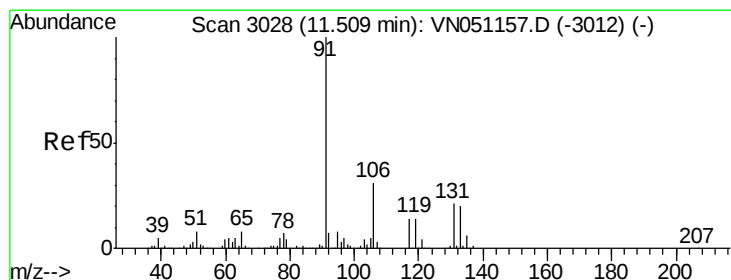
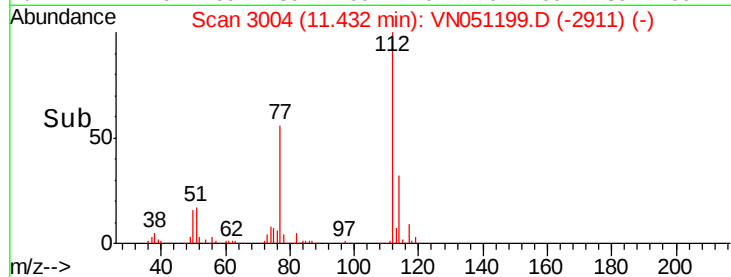
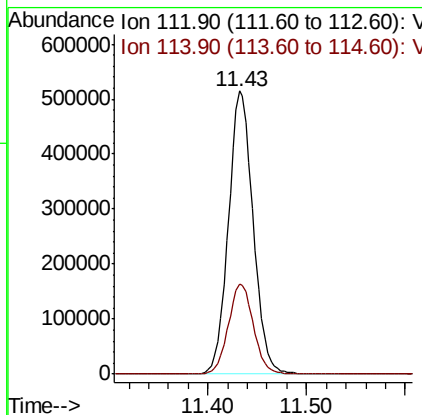
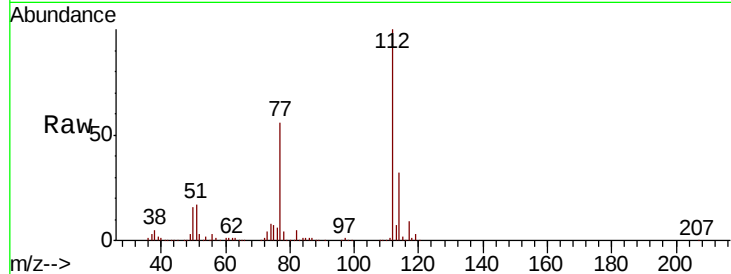
#65
Chlorobenzene
Concen: 49.40 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

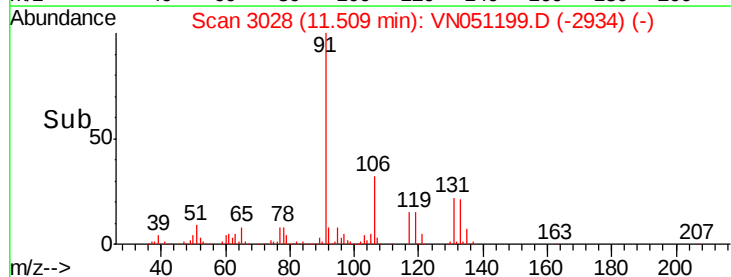
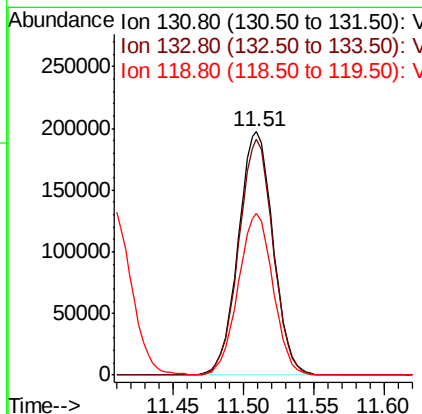
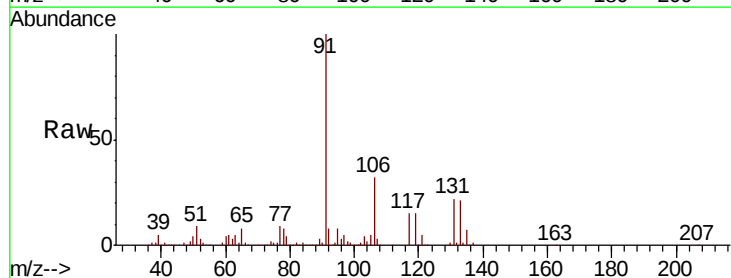
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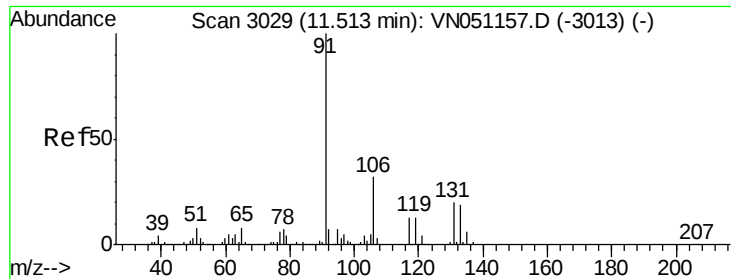
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9/17/2018 1:26:11 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.07 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.5	142.6
119	66.2	33.2	99.6





#67

Ethyl Benzene

Concen: 51.00 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1505561

Ion Ratio Lower Upper

91 100

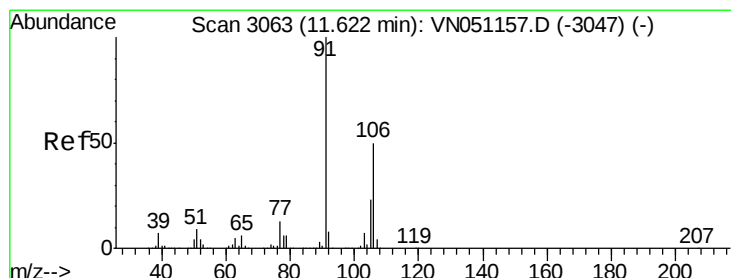
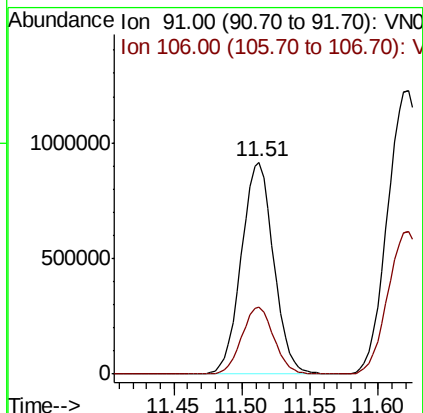
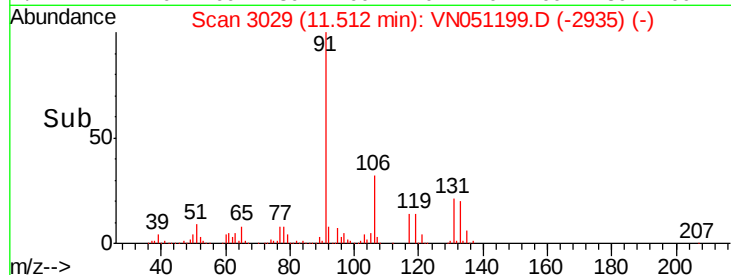
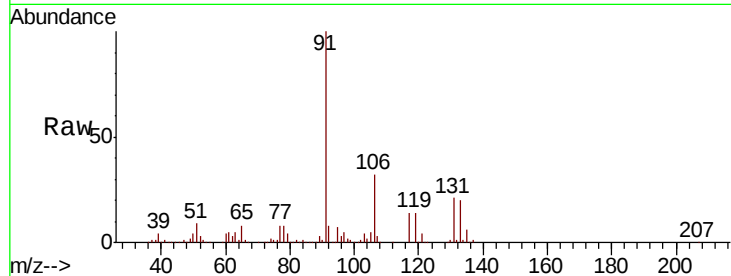
106 31.7 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 104.22 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051199.D

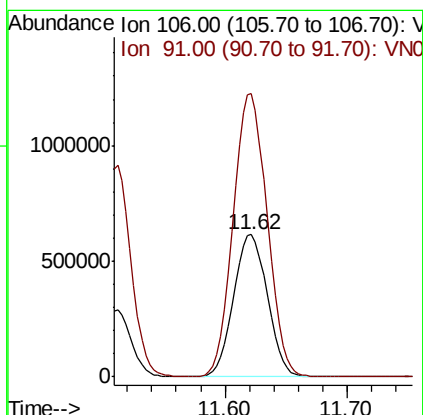
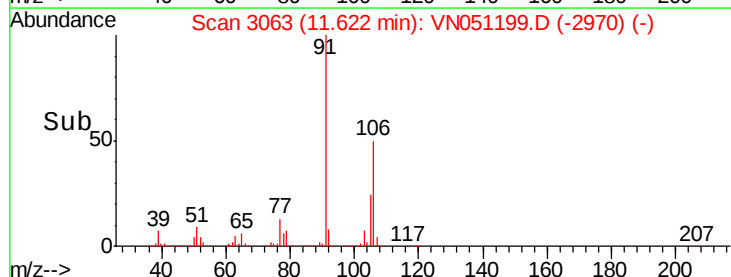
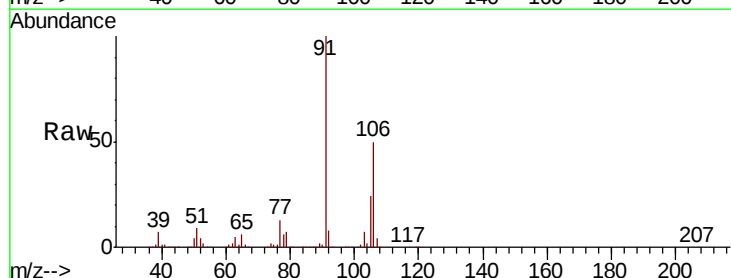
Acq: 14 Sep 2018 19:17

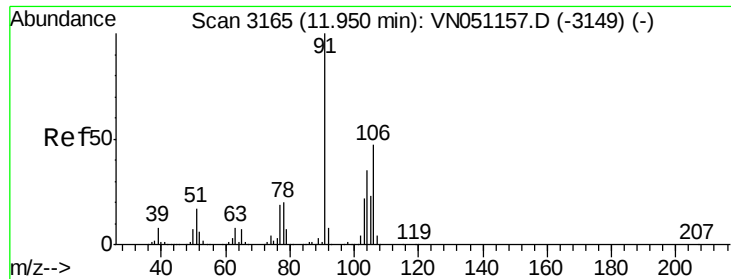
Tgt Ion: 106 Resp: 1182154

Ion Ratio Lower Upper

106 100

91 199.6 159.8 239.6





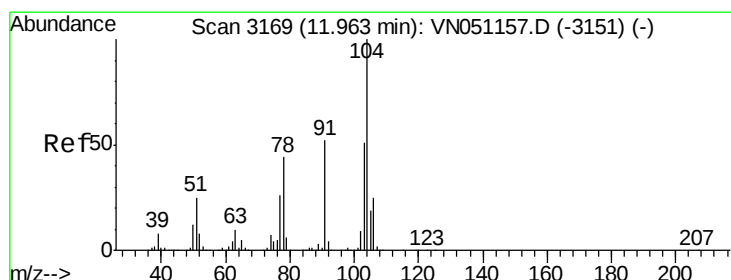
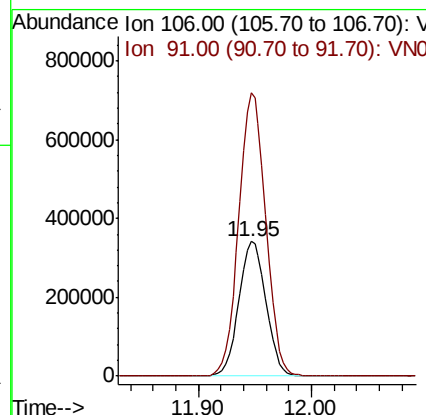
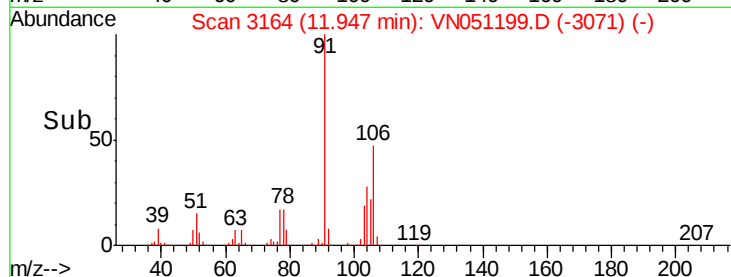
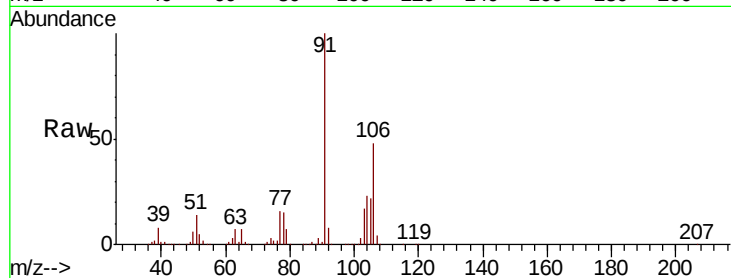
#69
o-Xylene
Concen: 51.77 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.9	105.1	315.1

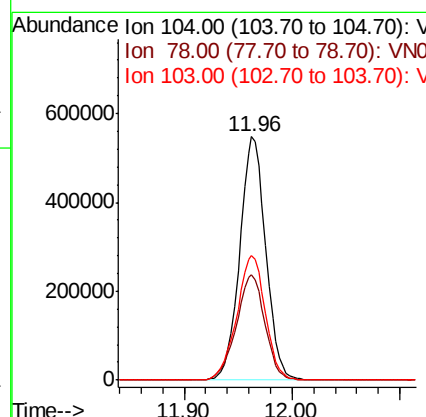
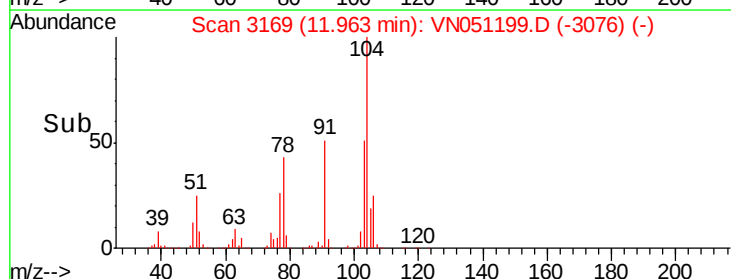
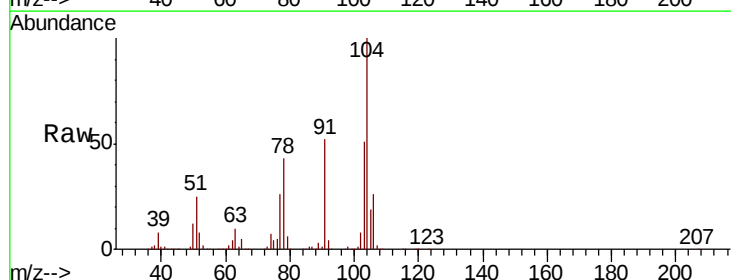
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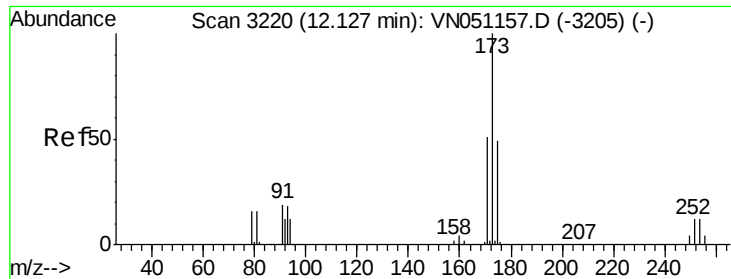
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#70
Styrene
Concen: 54.01 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.6	37.7	56.5
103	56.2	44.6	67.0





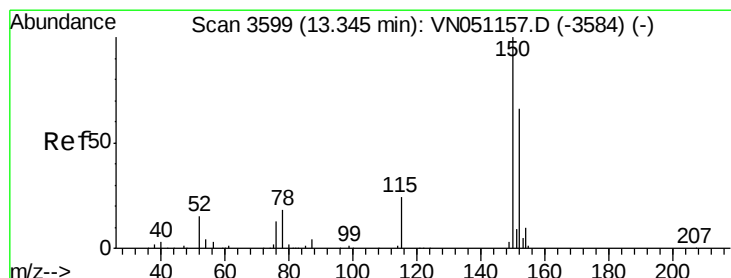
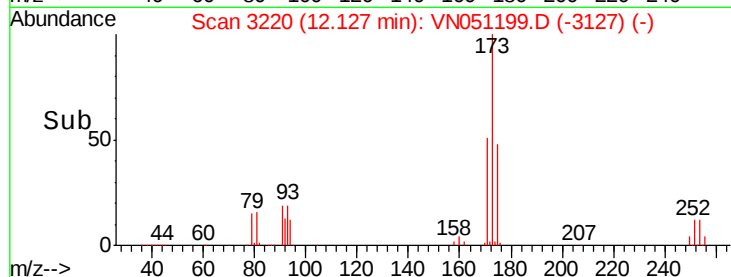
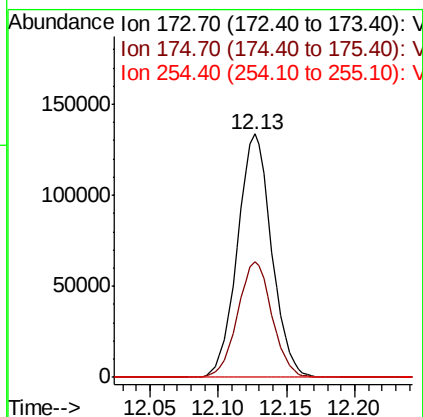
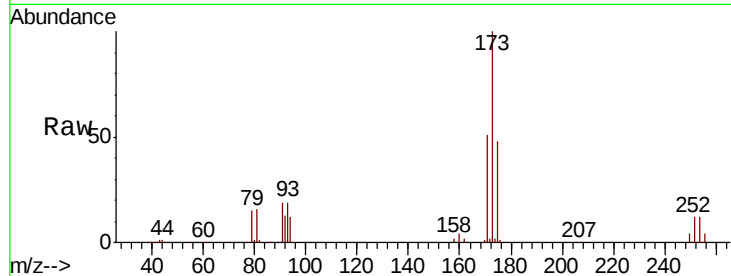
#71
Bromoform
Concen: 50.13 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.3	72.9
254	0.1	0.0	0.0

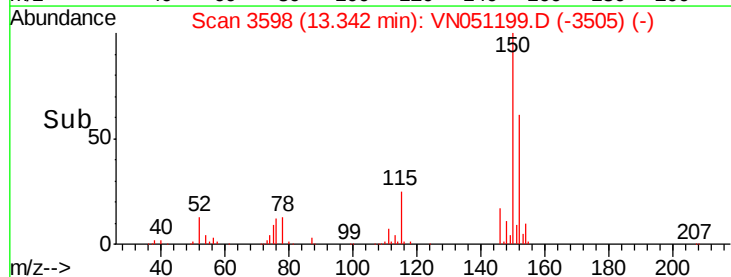
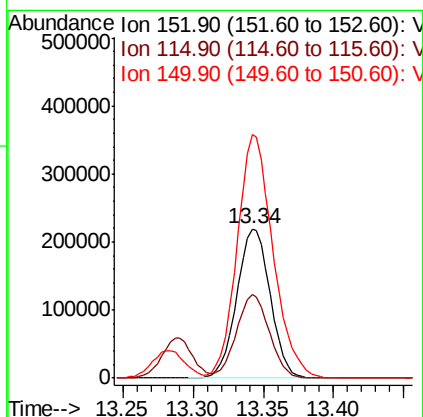
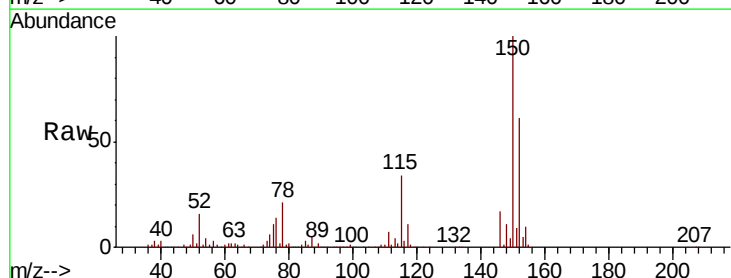
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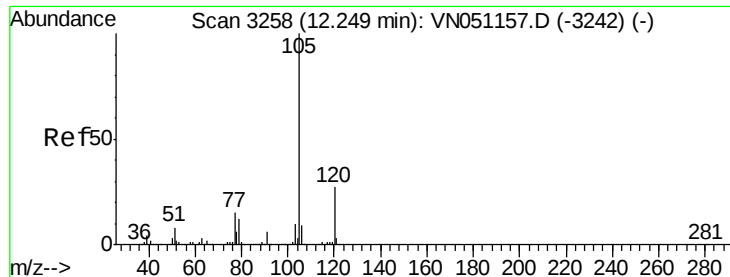
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	28.2	84.7
150	175.5	0.0	349.0





#73

Isopropylbenzene

Concen: 49.48 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1508118

Ion Ratio Lower Upper

105 100

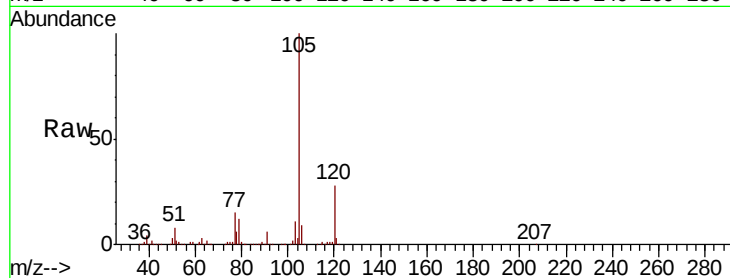
120 27.4 13.6 40.7

Manual Integrations

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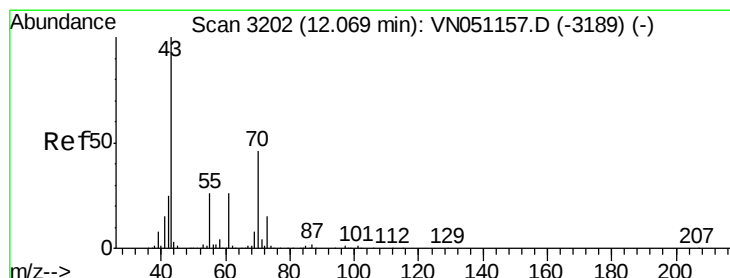
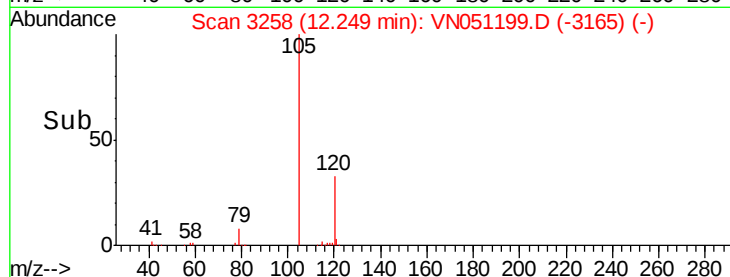
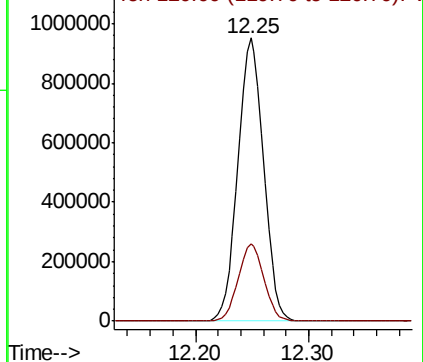
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 42.24 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion: 43 Resp: 324021

Ion Ratio Lower Upper

43 100

70 46.2 37.0 55.4

55 27.6 21.3 31.9

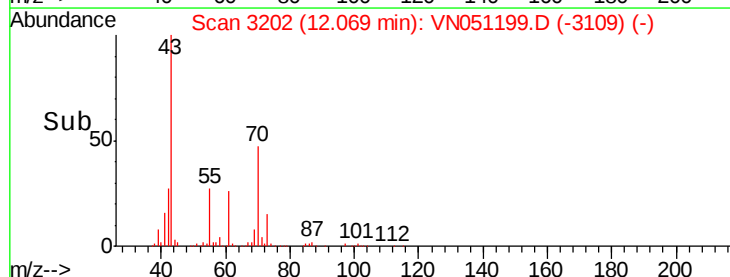
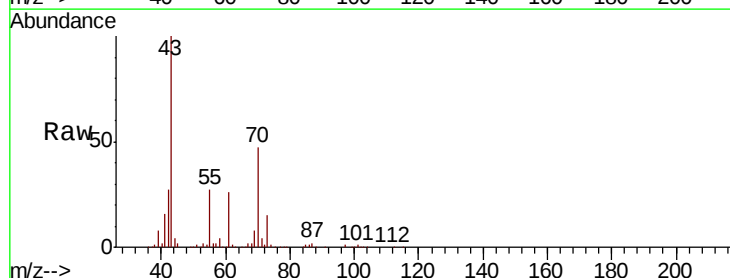
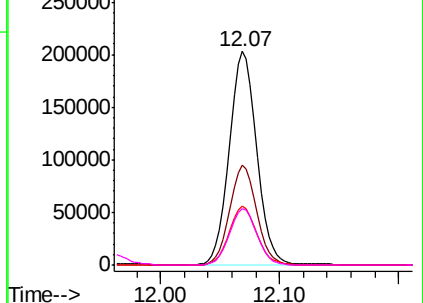
61 26.5 20.7 31.1

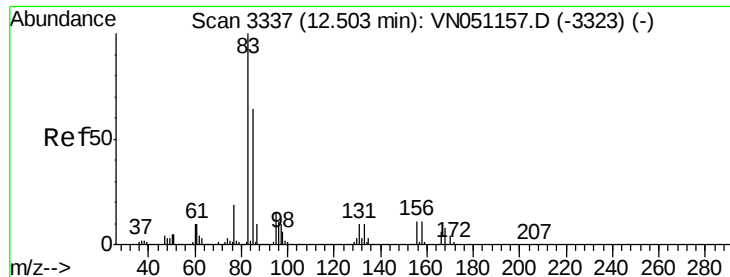
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.76 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 83 Resp: 348036

Ion Ratio Lower Upper

83 100

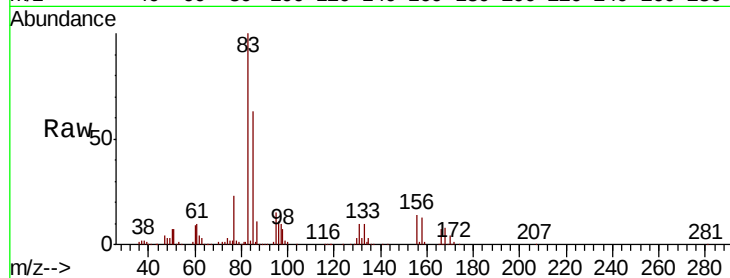
131 10.7 5.3 16.1

85 64.2 32.3 96.8

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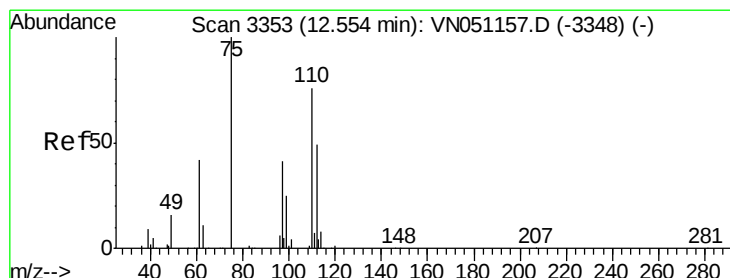
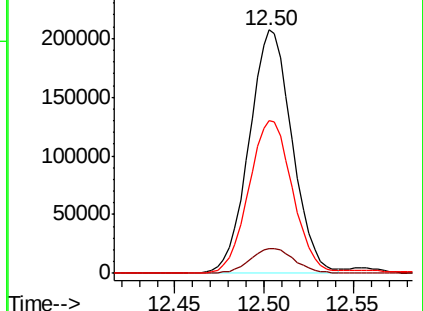
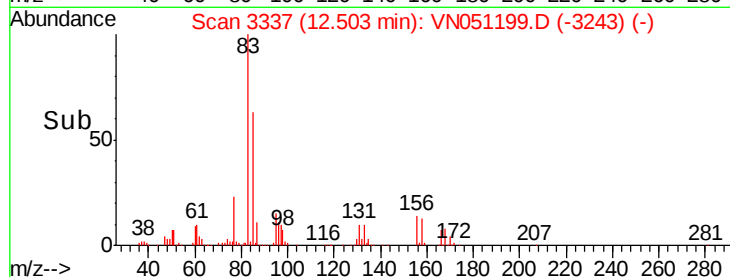


Abundance Ion 82.90 (82.60 to 83.60): VN051199.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN051199.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN051199.D (-3337) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 48.02 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051199.D

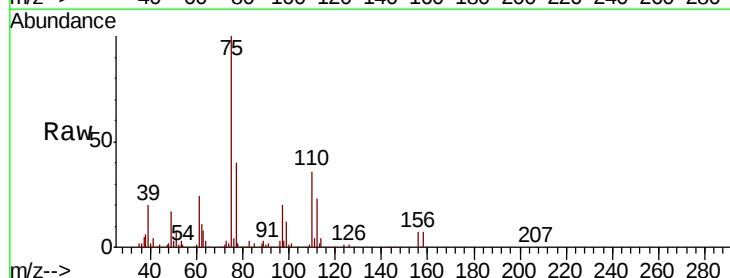
Acq: 14 Sep 2018 19:17

Tgt Ion: 75 Resp: 270919

Ion Ratio Lower Upper

75 100

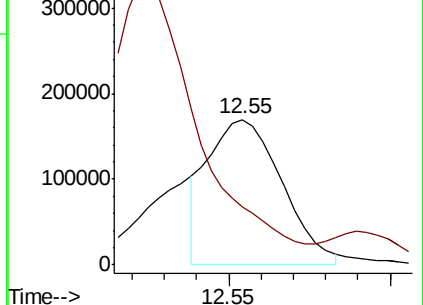
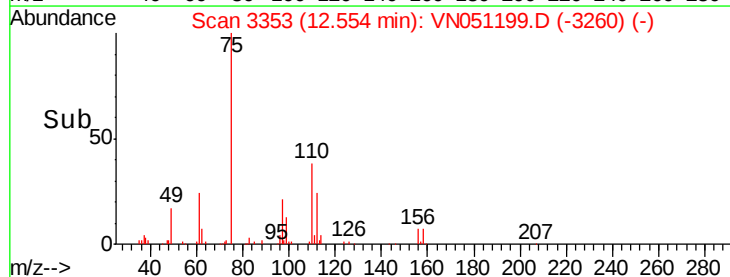
77 0.0 0.0 0.0

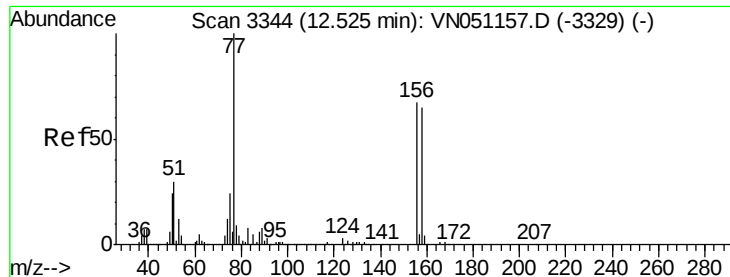


Abundance Ion 74.90 (74.60 to 75.60): VN051199.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051199.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 47.54 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

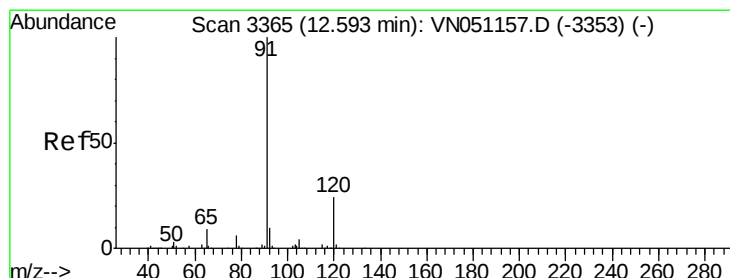
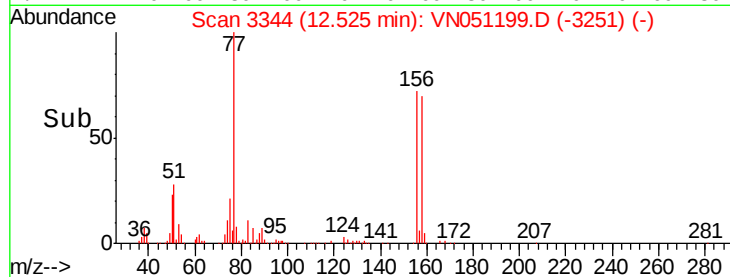
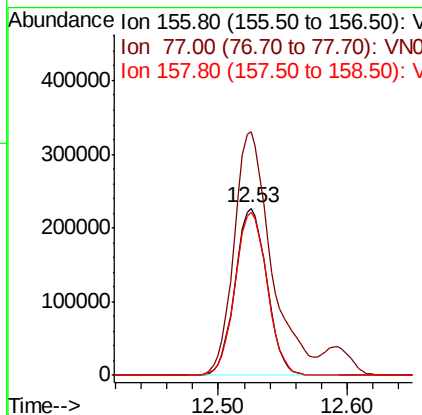
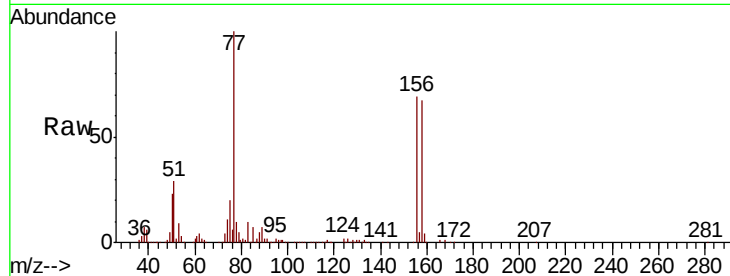
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	389212
Ion Ratio	Lower	Upper	
156	100		
77	169.6	87.5	262.6
158	98.2	49.0	147.2

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#78

n-propylbenzene

Concen: 49.83 ug/l

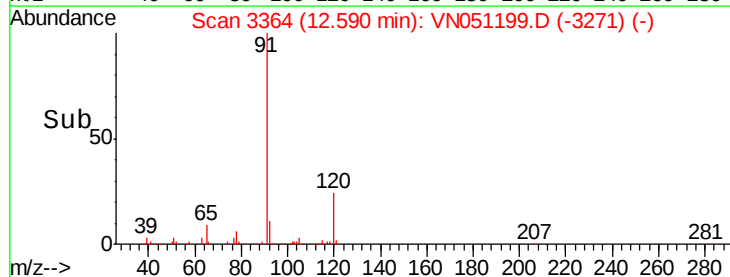
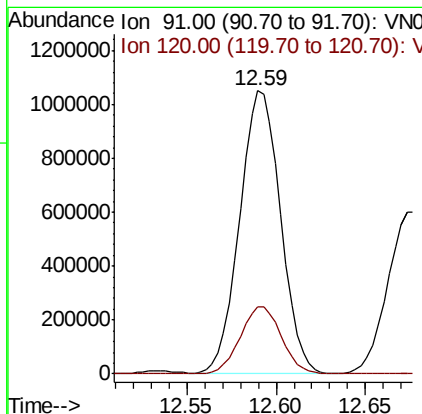
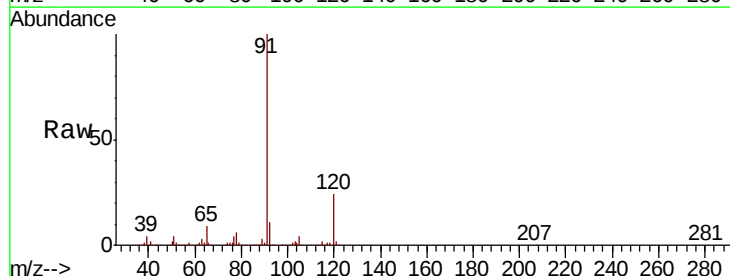
RT: 12.59 min Scan# 3364

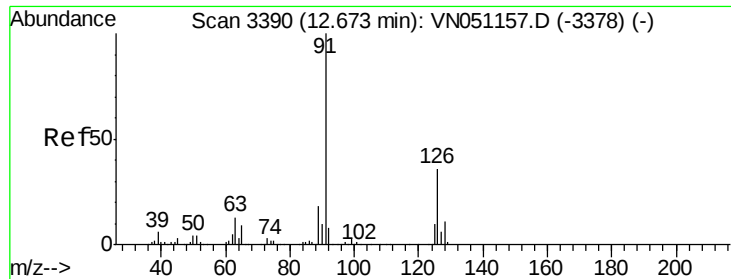
Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion:	91	Resp:	1669275
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 47.97 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1004491

Ion Ratio Lower Upper

91 100

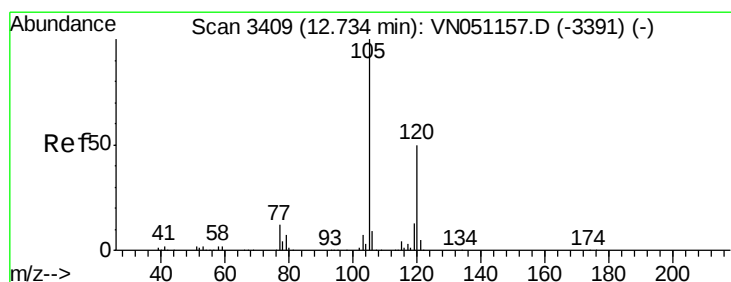
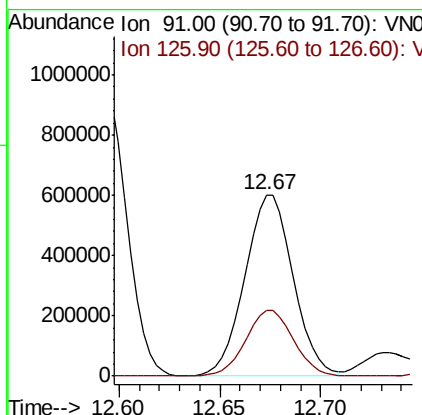
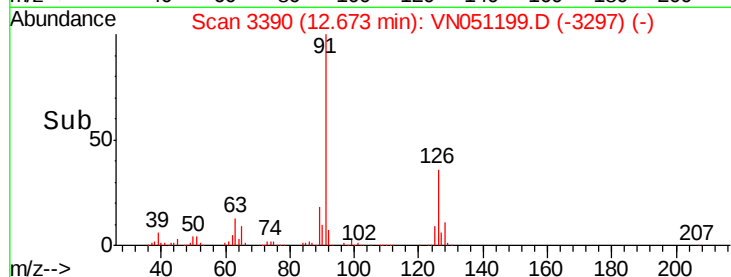
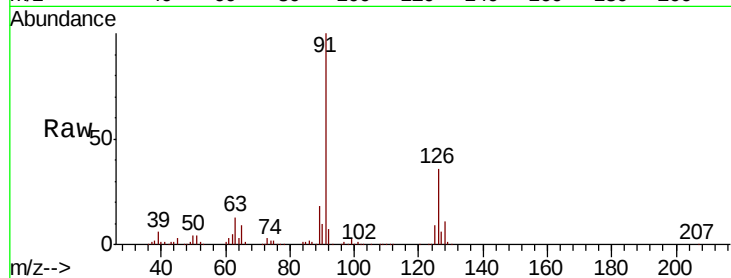
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.22 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051199.D

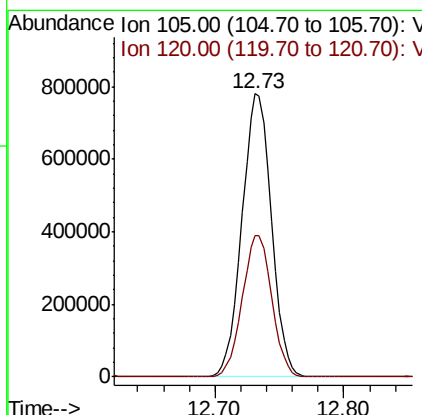
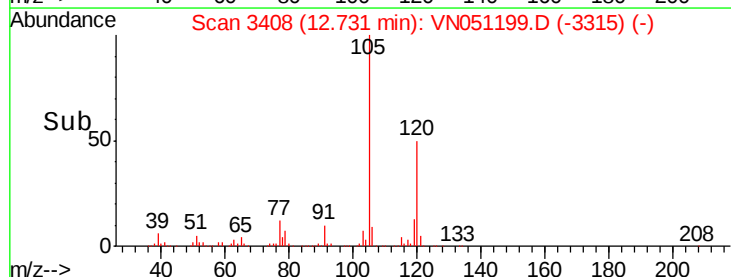
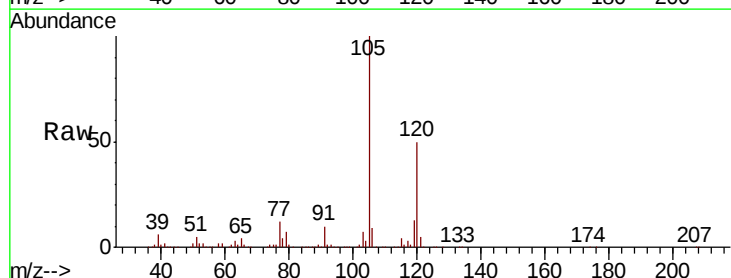
Acq: 14 Sep 2018 19:17

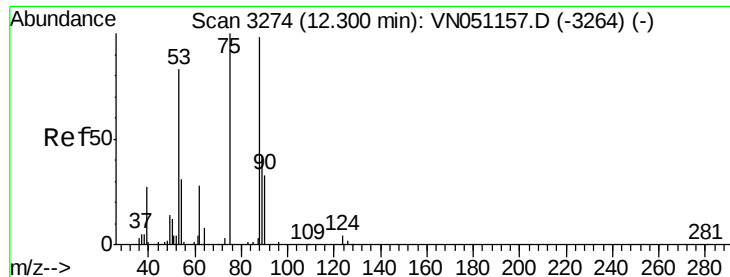
Tgt Ion: 105 Resp: 1237469

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 42.40 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 81138

Ion Ratio Lower Upper

75 100

53 87.0 67.8 101.8

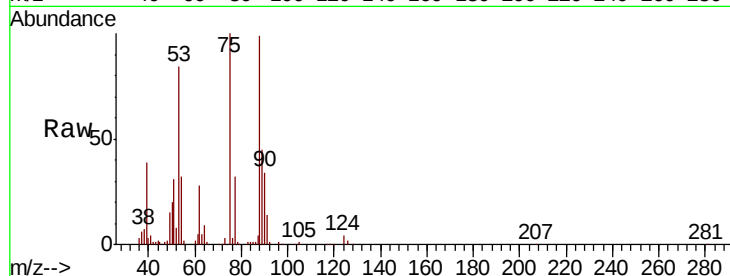
89 44.9 36.0 54.0

Manual Integrations

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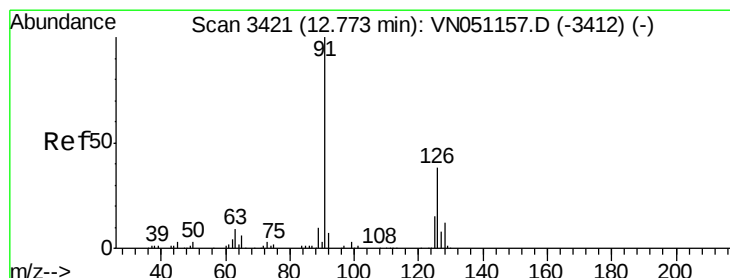
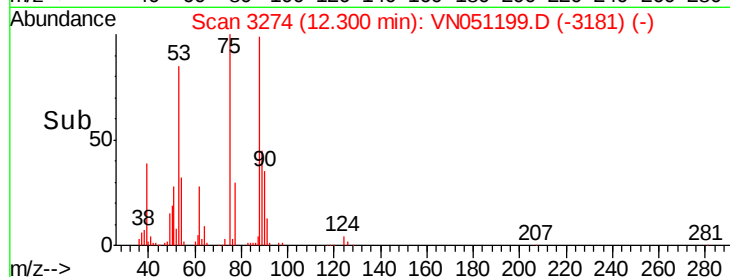
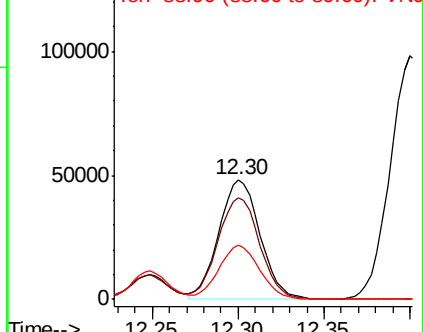
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Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 47.72 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051199.D

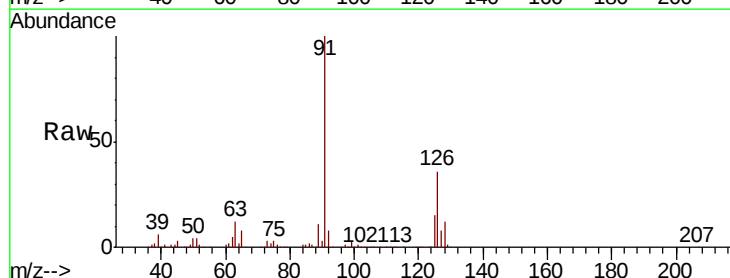
Acq: 14 Sep 2018 19:17

Tgt Ion: 91 Resp: 991925

Ion Ratio Lower Upper

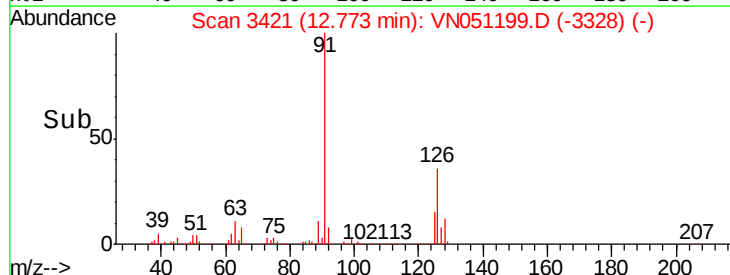
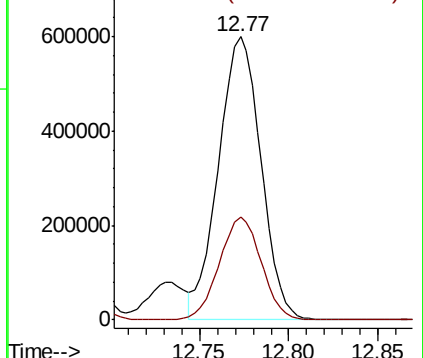
91 100

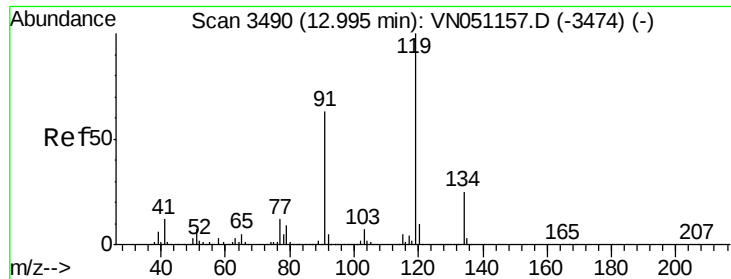
126 35.9 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





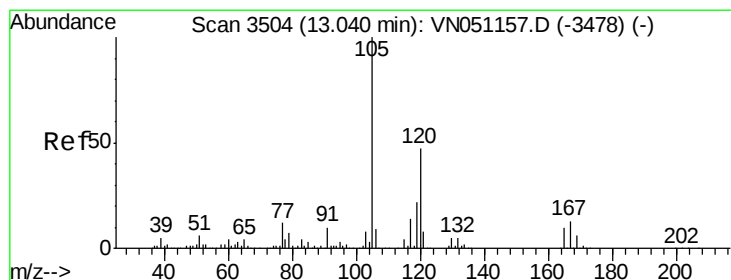
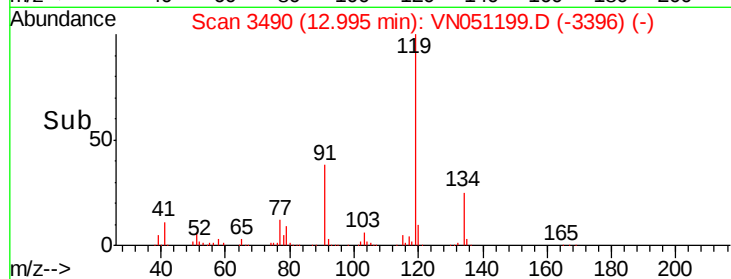
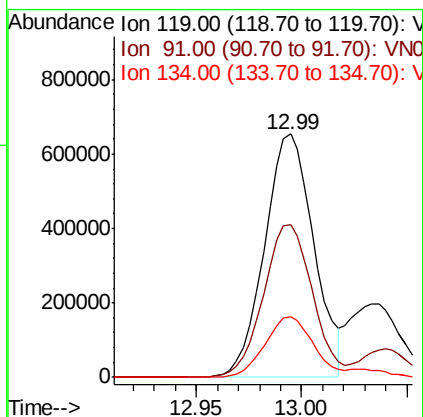
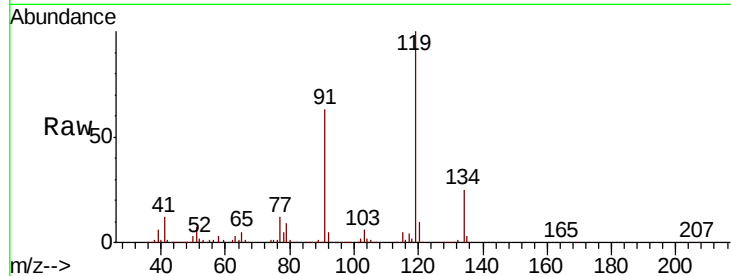
#83
tert-Butylbenzene
Concen: 48.81 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	30.8	92.3
134	24.9	13.2	39.6

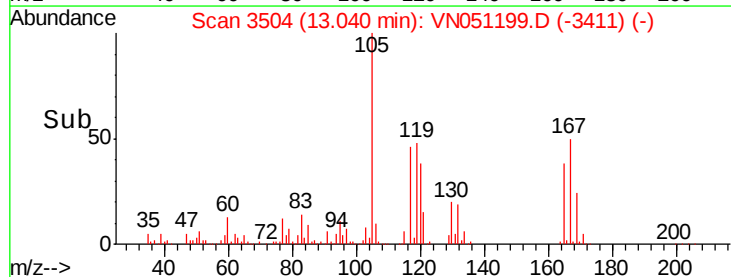
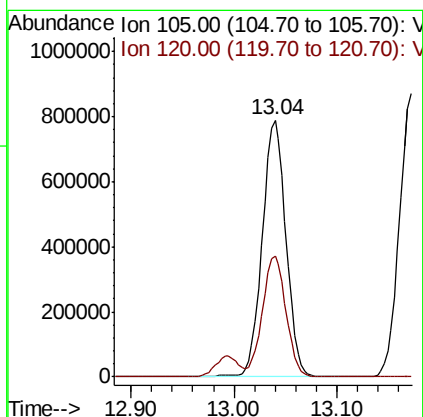
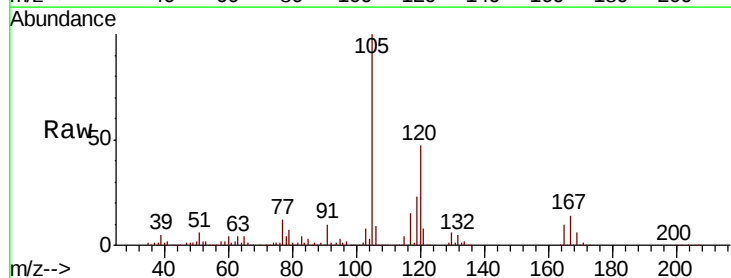
Manual Integrations
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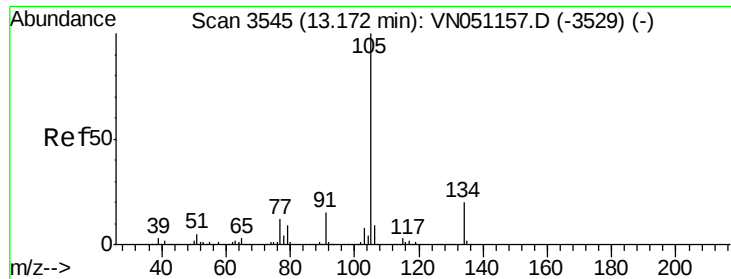
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#84
1,2,4-Trimethylbenzene
Concen: 51.68 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.8





#85

sec-Butylbenzene

Concen: 49.53 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1381770

Ion Ratio Lower Upper

105 100

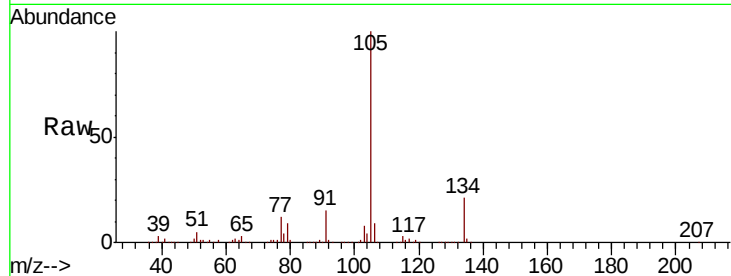
134 20.9 10.4 31.4

Manual Integrations

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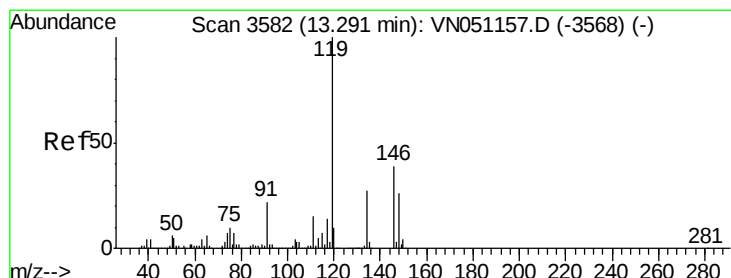
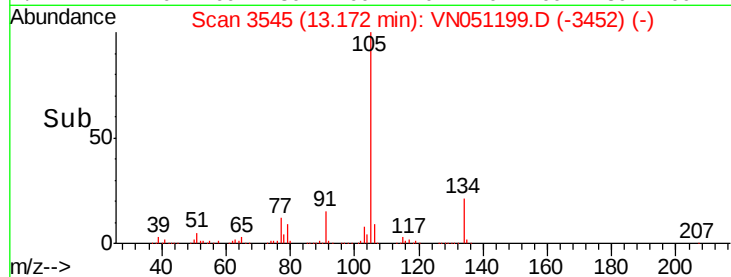
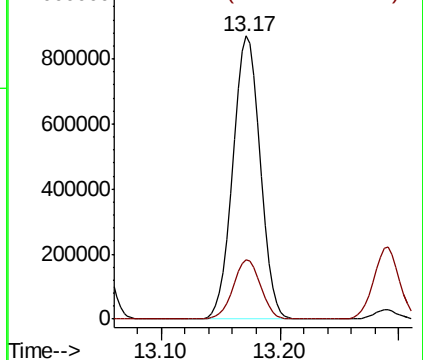
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.36 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

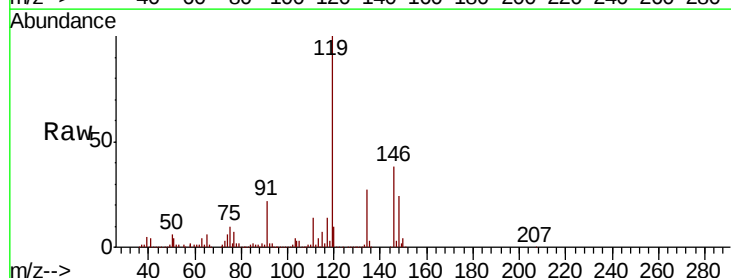
Tgt Ion:119 Resp: 1215100

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

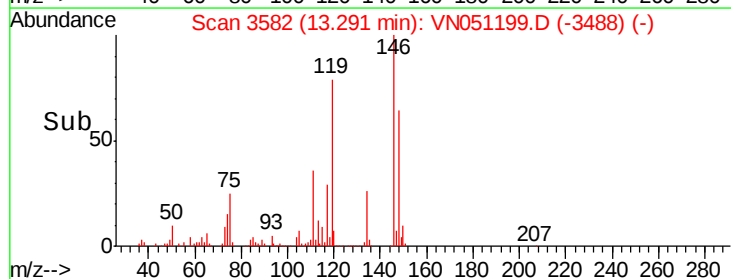
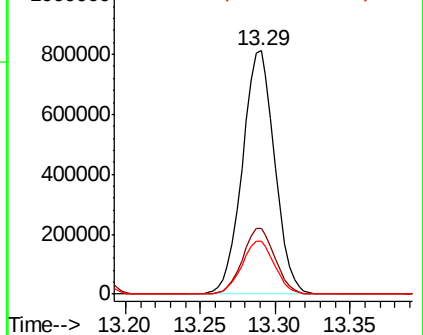
91 21.9 10.9 32.9

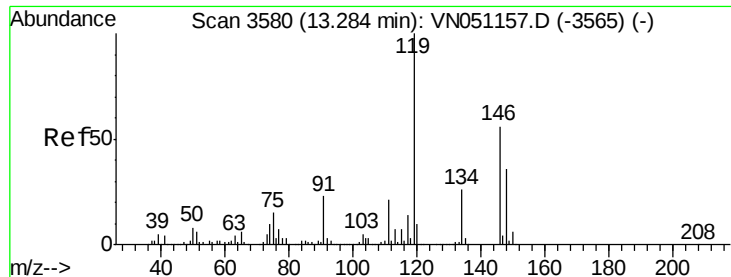


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





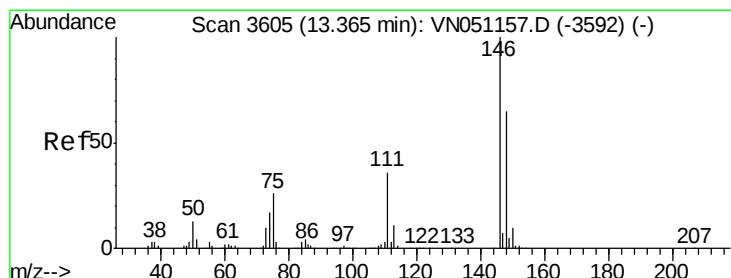
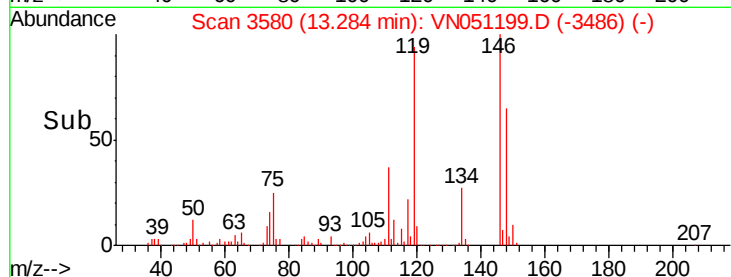
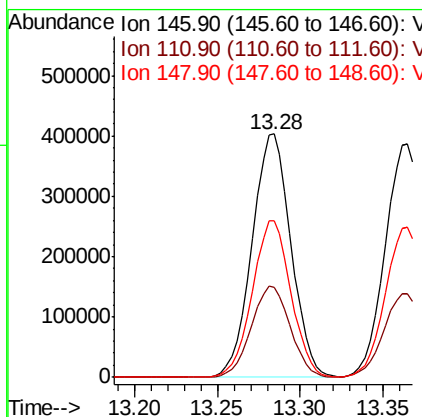
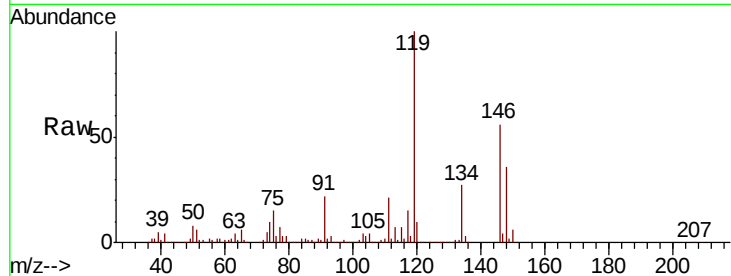
#87
 1,3-Dichlorobenzene
 Concen: 47.57 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	63.7	32.2	96.6

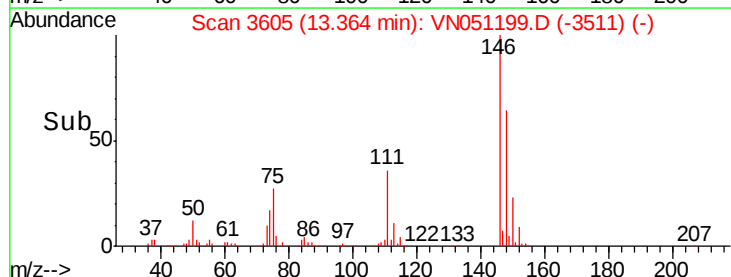
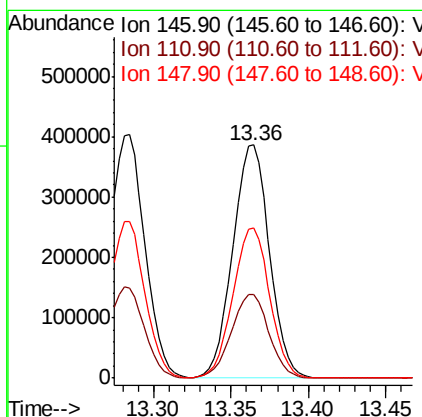
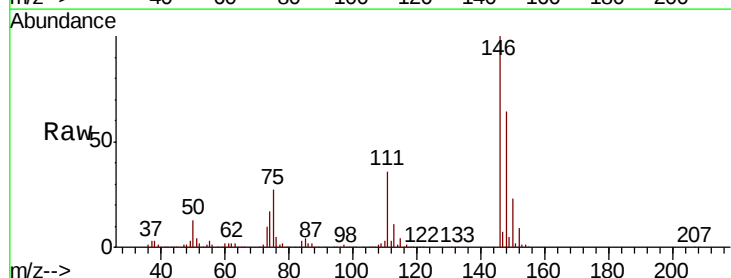
Manual Integrations
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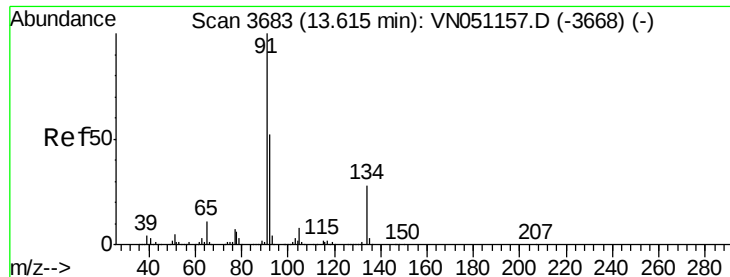
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#88
 1,4-Dichlorobenzene
 Concen: 49.83 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.0
148	64.5	32.2	96.6





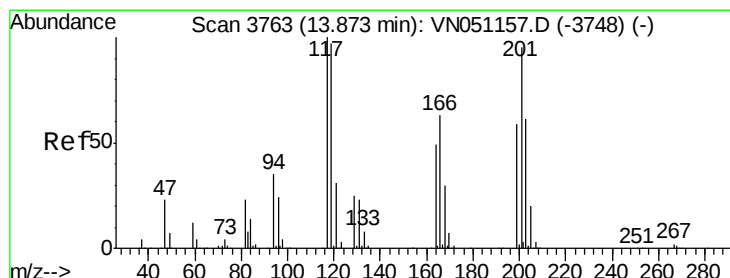
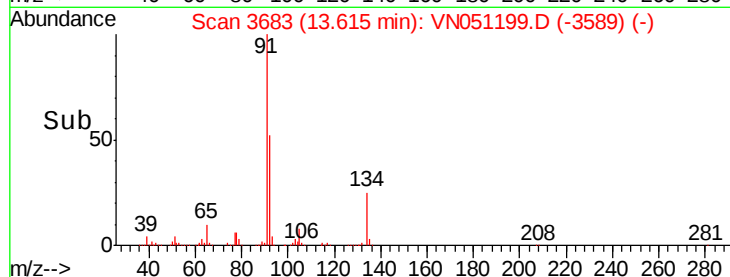
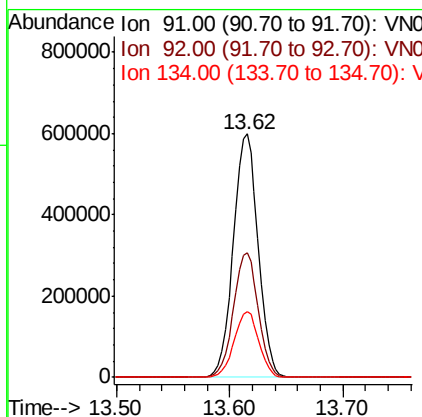
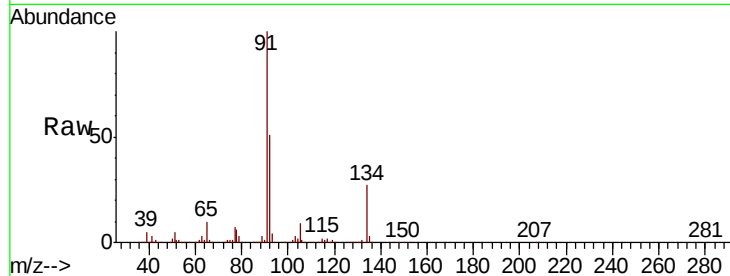
#89
n-Butylbenzene
Concen: 49.50 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.2	78.6
134	26.9	13.7	41.1

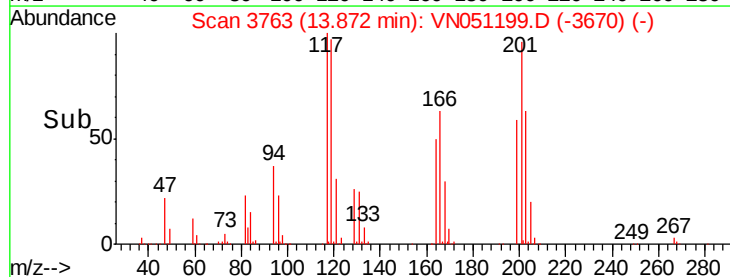
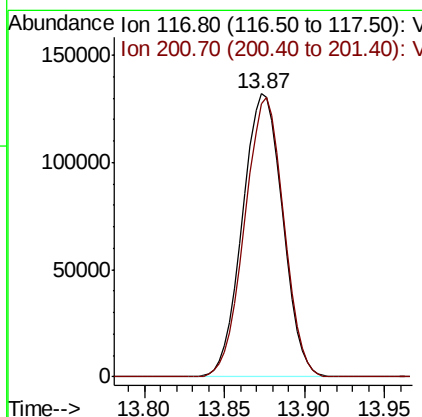
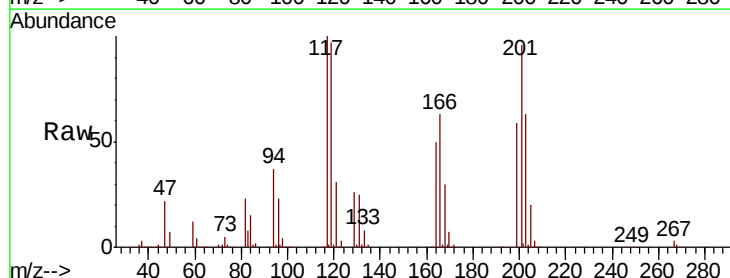
Manual Integrations
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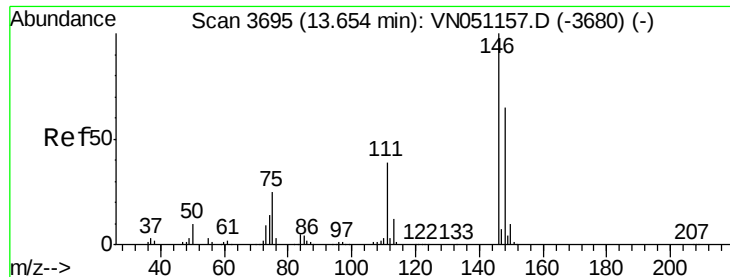
MMDadoda
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#90
Hexachloroethane
Concen: 52.64 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051199.D
Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	47.3	142.0





#91

1,2-Dichlorobenzene

Concen: 47.02 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 636352

Ion Ratio Lower Upper

146 100

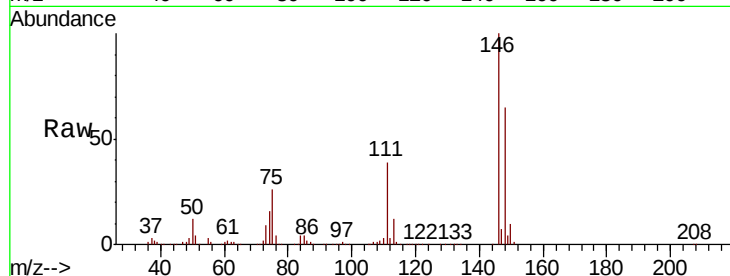
111 39.2 19.7 59.0

148 65.1 32.1 96.3

Manual Integrations
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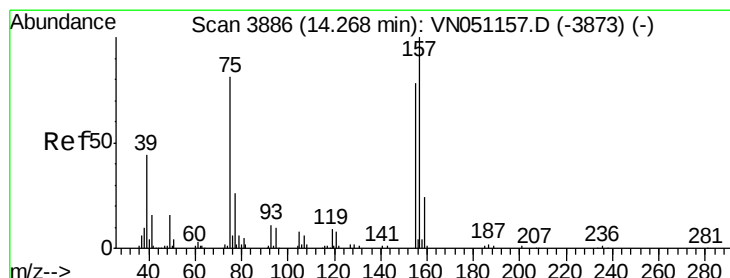
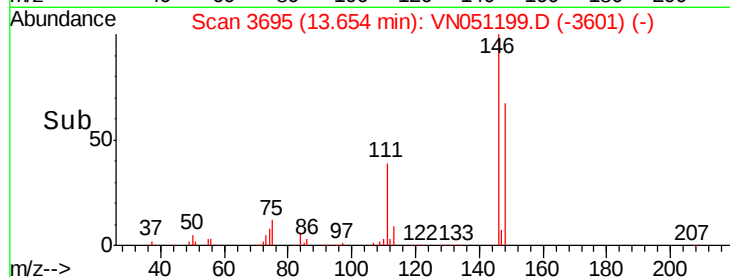
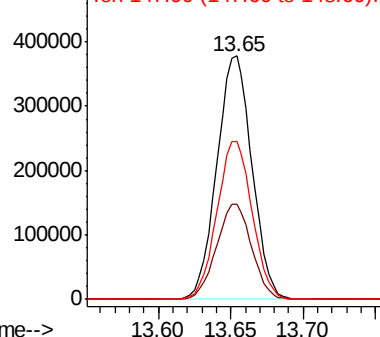


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.11 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

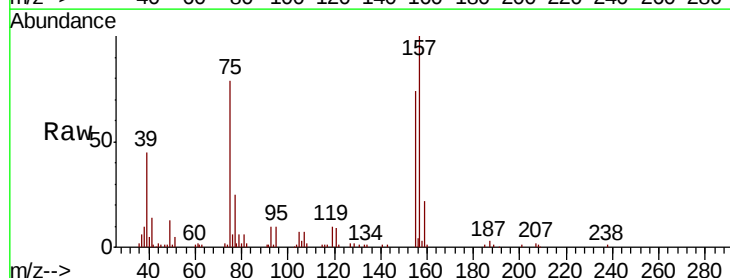
Tgt Ion: 75 Resp: 44782

Ion Ratio Lower Upper

75 100

155 96.4 48.7 146.1

157 124.9 63.6 190.9

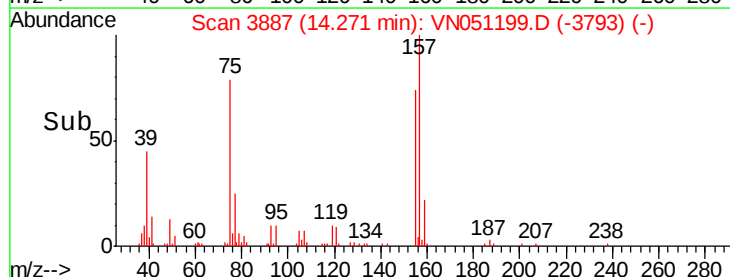
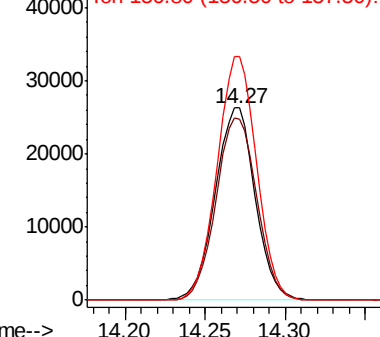


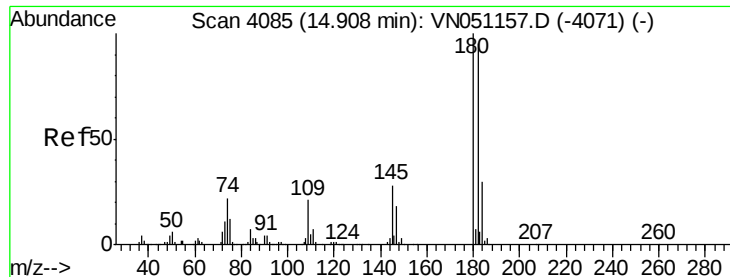
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





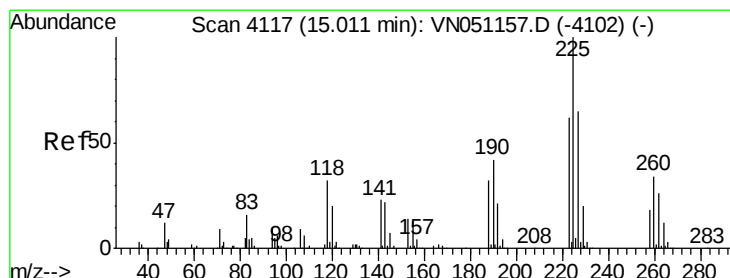
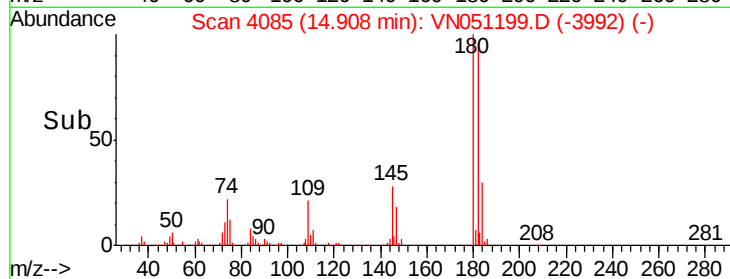
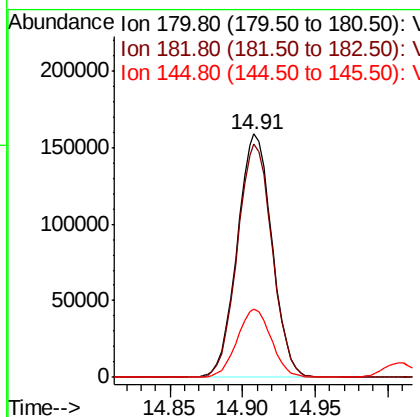
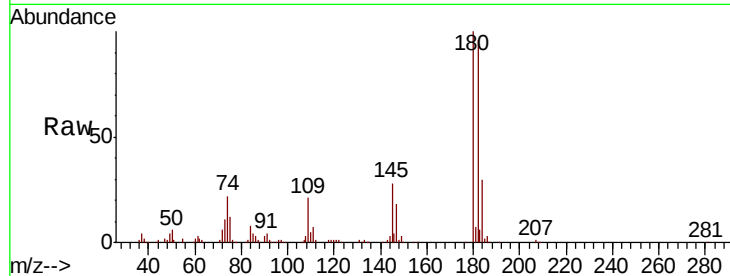
#93
 1,2,4-Trichlorobenzene
 Concen: 41.05 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	263413		
182	96.2	47.3	141.8	
145	27.6	14.2	42.6	

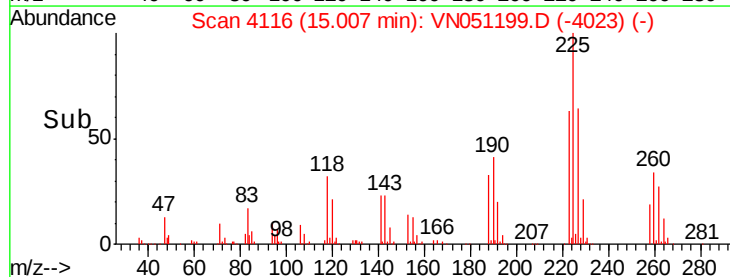
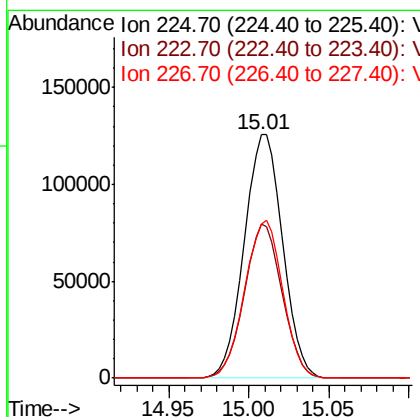
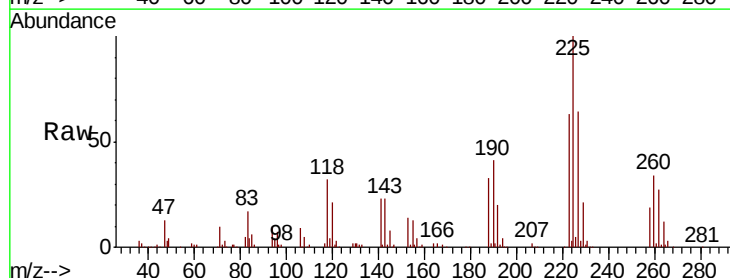
Manual Integrations
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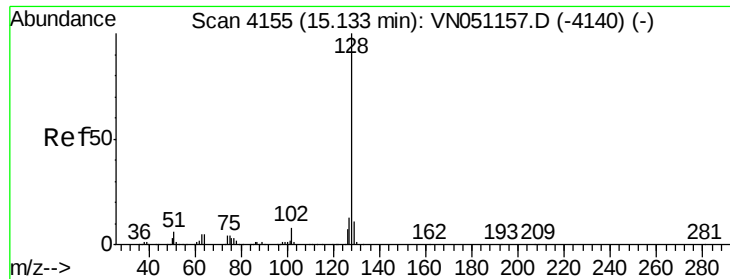
MMDadoda
 9/17/2018 1:26:11 PM



#94
 Hexachlorobutadiene
 Concen: 52.25 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051199.D
 Acq: 14 Sep 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	205769		
223	62.2	31.4	94.0	
227	64.0	32.1	96.3	





#95

Naphthalene

Concen: 35.06 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Instrument :

MSVOA_N

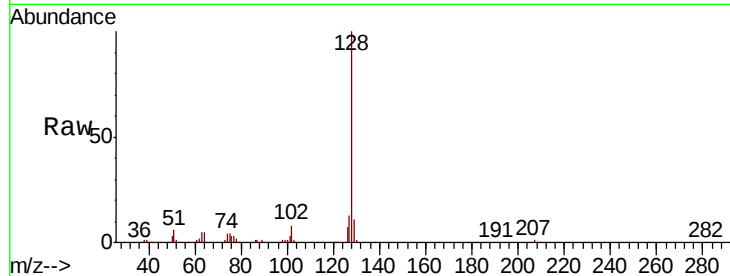
ClientSampleId :

VSTDCCC050

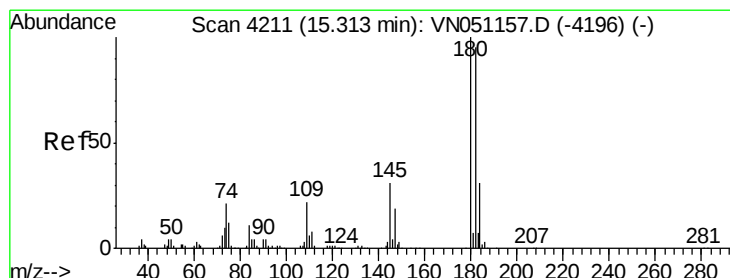
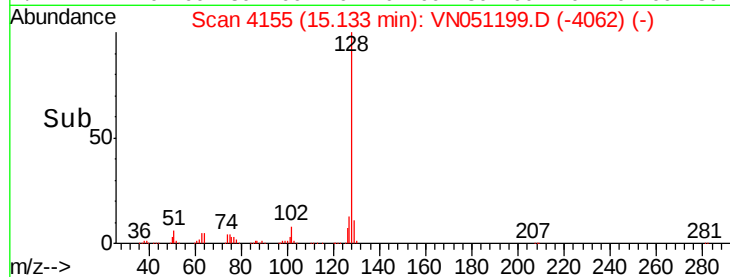
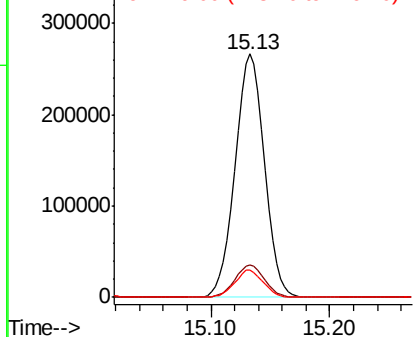
Tot Ion:	128	Resp:	454716
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	15.8
129	10.8	8.6	12.8

Manual Integrations
APPROVED

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9/17/2018 1:26:11 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 41.49 ug/l

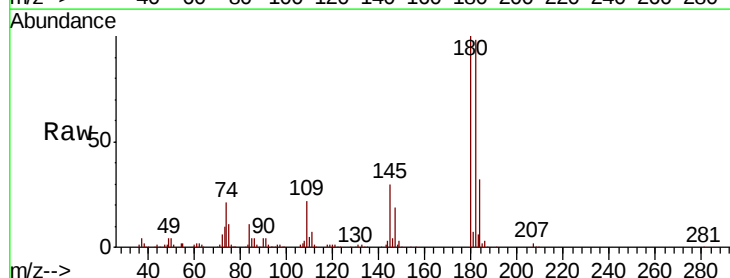
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051199.D

Acq: 14 Sep 2018 19:17

Tgt Ion:	180	Resp:	255923
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.8	143.3
145	29.9	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

