

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051137.D
 Acq On : 12 Sep 2018 8:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2018 5:20:04 PM

Quant Time: Sep 13 07:36:04 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	7.66	168	699500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	450653	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	380917	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	7.59	113	372746	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
50) Toluene-d8	10.09	98	1409146	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	479694	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	299891	44.46	ug/l	99
3) Chloromethane	2.06	50	391154	44.84	ug/l	99
4) Vinyl Chloride	2.18	62	408288	44.09	ug/l	99
5) Bromomethane	2.56	94	211976	40.38	ug/l	97
6) Chloroethane	2.70	64	245094	42.89	ug/l	98
7) Trichlorofluoromethane	3.01	101	559137	45.57	ug/l	100
8) Diethyl Ether	3.41	74	216206	47.91	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	365777	46.25	ug/l	99
10) Methyl Iodide	3.95	142	236527	34.01	ug/l	99
11) Tert butyl alcohol	4.79	59	147254	247.66	ug/l	98
12) 1,1-Dichloroethene	3.73	96	334711	44.86	ug/l	99
13) Acrolein	3.61	56	139625	197.98	ug/l	100
14) Allyl chloride	4.32	41	521137	45.84	ug/l	100
15) Acrylonitrile	4.99	53	676339	256.71	ug/l	100
16) Acetone	3.82	43	532038	277.05	ug/l	99
17) Carbon Disulfide	4.05	76	984257	44.77	ug/l	99
18) Methyl Acetate	4.33	43	309219	49.60	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	976917	49.53	ug/l	99
20) Methylene Chloride	4.55	84	383002	44.54	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	362237	44.76	ug/l	98
22) Diisopropyl ether	5.95	45	1094823	48.52	ug/l	97
23) Vinyl Acetate	5.90	43	3861104	252.84	ug/l	100
24) 1,1-Dichloroethane	5.85	63	658525	46.00	ug/l	100
25) 2-Butanone	6.84	43	801704	261.95	ug/l	100
26) 2,2-Dichloropropane	6.82	77	544159	46.44	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	407971	45.95	ug/l	99
28) Bromochloromethane	7.19	49	307451	48.25	ug/l	99
29) Tetrahydrofuran	7.21	42	504212	263.81	ug/l	99
30) Chloroform	7.37	83	664451	46.65	ug/l	100
31) Cyclohexane	7.65	56	593111	46.44	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	567723	46.78	ug/l	100
36) 1,1-Dichloropropene	7.79	75	513474	48.55	ug/l	99
37) Ethyl Acetate	6.93	43	337864	55.16	ug/l	99
38) Carbon Tetrachloride	7.77	117	508976	48.90	ug/l	99

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Quant Time: Sep 13 07:36:04 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	591006	50.65	ug/l	100
40) Benzene	8.04	78	1555181	48.80	ug/l	99
41) Methacrylonitrile	7.18	41	174070	55.08	ug/l	94
42) 1,2-Dichloroethane	8.12	62	463900	49.94	ug/l	100
43) Isopropyl Acetate	8.17	43	573845	53.10	ug/l	100
44) Trichloroethene	8.83	130	418546	48.02	ug/l	99
45) 1,2-Dichloropropane	9.12	63	405060	49.19	ug/l	97
46) Dibromomethane	9.21	93	247802	49.32	ug/l	99
47) Bromodichloromethane	9.40	83	513391	50.25	ug/l	100
48) Methyl methacrylate	9.20	41	283067	53.75	ug/l	99
49) 1,4-Dioxane	9.20	88	85208	1031.71	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1678222	280.80	ug/l	100
52) Toluene	10.16	92	978845	50.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	519583	50.82	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607168	50.65	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361424	51.20	ug/l	100
56) Ethyl methacrylate	10.43	69	474666	50.10	ug/l	99
57) 1,3-Dichloropropane	10.71	76	594742	50.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	929912	234.53	ug/l	99
59) 2-Hexanone	10.75	43	1169841	288.62	ug/l	100
60) Dibromochloromethane	10.90	129	410162	51.55	ug/l	99
61) 1,2-Dibromoethane	11.01	107	356270	51.63	ug/l	100
64) Tetrachloroethene	10.63	164	386482	47.98	ug/l	99
65) Chlorobenzene	11.43	112	1077216	48.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	395639	49.38	ug/l	100
67) Ethyl Benzene	11.51	91	1827014	50.70	ug/l	99
68) m/p-Xylenes	11.62	106	1425727	102.97	ug/l	99
69) o-Xylene	11.95	106	687180	51.25	ug/l	100
70) Styrene	11.96	104	1124501	54.07	ug/l	99
71) Bromoform	12.13	173	298041	52.84	ug/l #	100
73) Isopropylbenzene	12.25	105	1829823	48.42	ug/l	100
74) N-amyl acetate	12.07	43	486619	51.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	468557	54.17	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	397527m	57.11	ug/l	
77) Bromobenzene	12.53	156	468004	46.10	ug/l	99
78) n-propylbenzene	12.59	91	2047685	49.29	ug/l	100
79) 2-Chlorotoluene	12.67	91	1222255	47.07	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1502014	49.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	120992	50.99	ug/l	99
82) 4-Chlorotoluene	12.77	91	1227990	47.65	ug/l	100
83) tert-Butylbenzene	12.99	119	1276676	47.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1515760	50.45	ug/l	100
85) sec-Butylbenzene	13.17	105	1695992	49.02	ug/l	100
86) p-Isopropyltoluene	13.29	119	1497594	51.06	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	803852	46.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	784092	49.59	ug/l	100
89) n-Butylbenzene	13.62	91	1174530	51.45	ug/l	100
90) Hexachloroethane	13.88	117	261999	49.05	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	783654	46.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65071	50.41	ug/l	99

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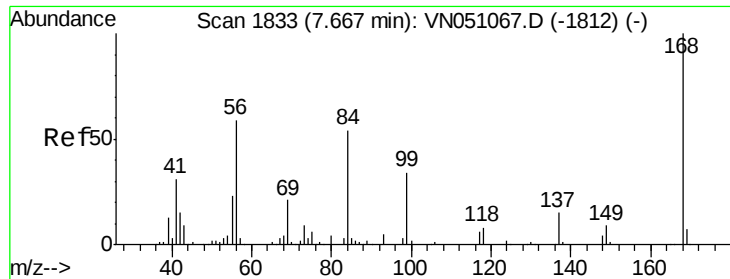
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	369512	45.92	ug/l	99
94) Hexachlorobutadiene	15.01	225	255361	52.30	ug/l	99
95) Naphthalene	15.13	128	759353	45.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	370861	47.99	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tot Ion: 168 Resp: 699500

Ion Ratio Lower Upper

168 100

99 48.2 38.3 57.5

Instrument :

MSVOA_N

ClientSampleId :

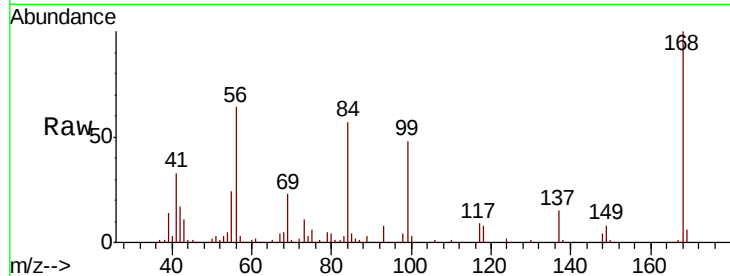
VSTDCCC050

Manual Integrations

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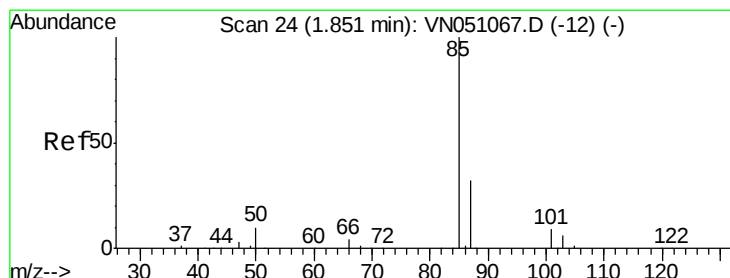
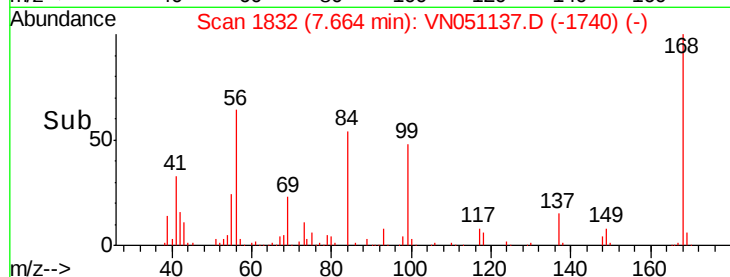
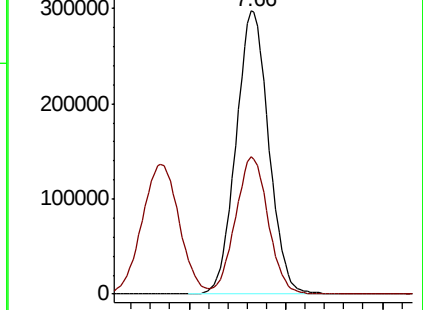
MMDadoda

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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: 44.46 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051137.D

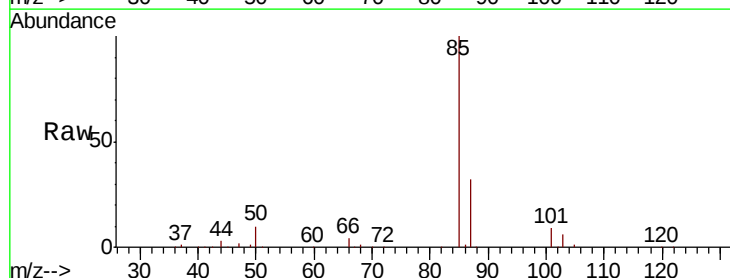
Acq: 12 Sep 2018 8:31

Tgt Ion: 85 Resp: 299891

Ion Ratio Lower Upper

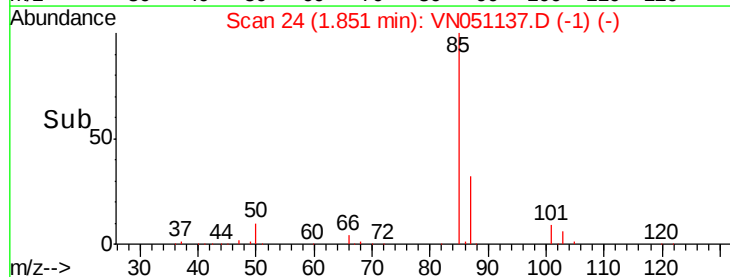
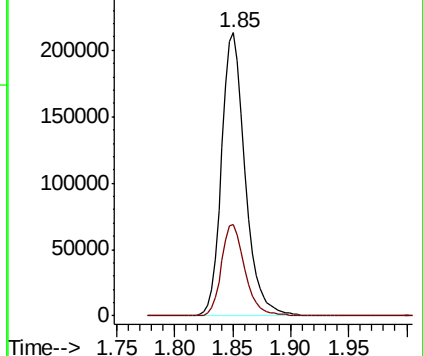
85 100

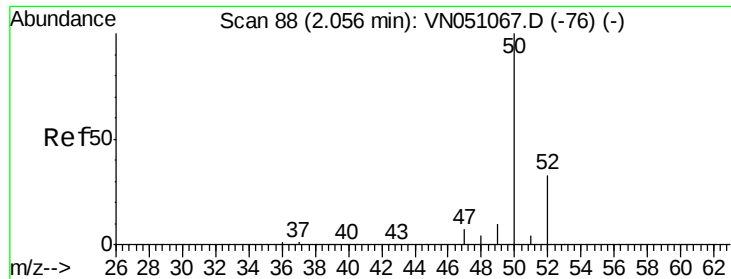
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.84 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 391154

Ion Ratio Lower Upper

50 100

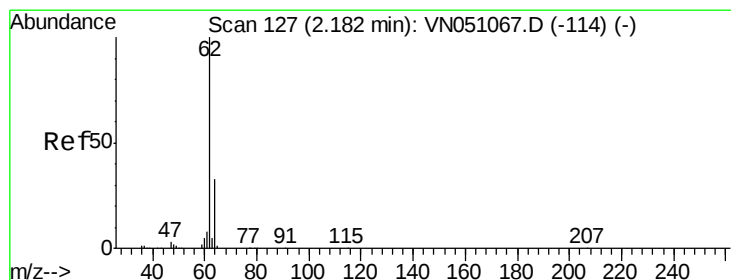
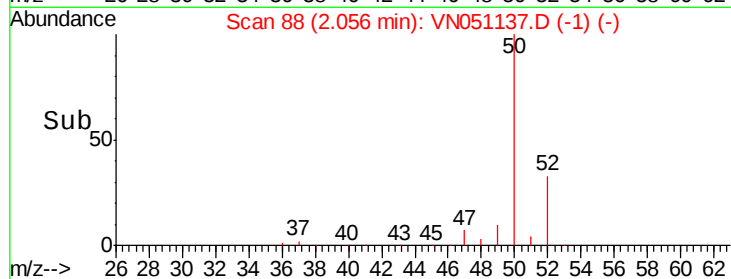
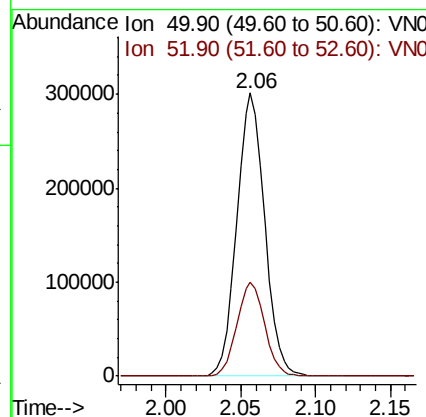
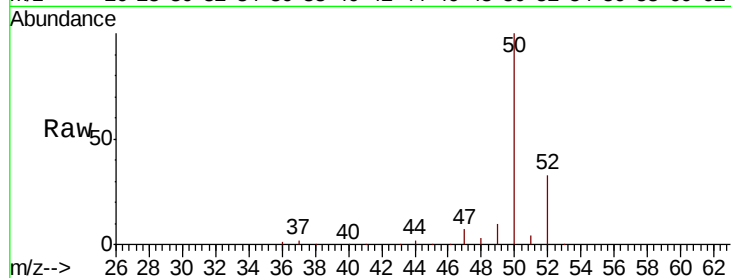
52 33.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.09 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051137.D

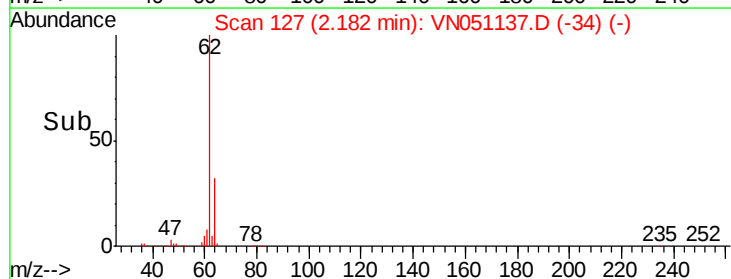
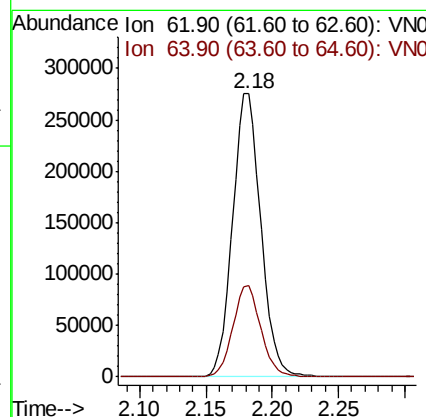
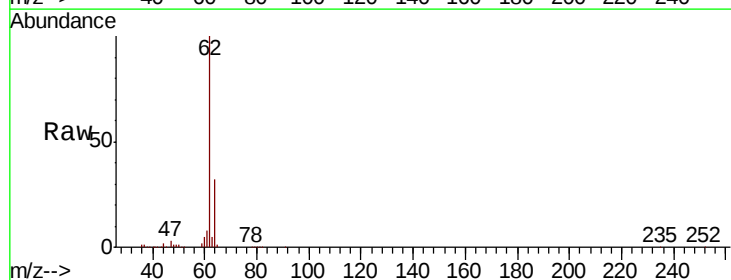
Acq: 12 Sep 2018 8:31

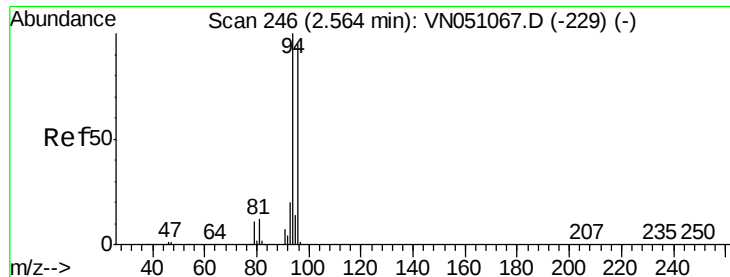
Tgt Ion: 62 Resp: 408288

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 40.38 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 211976

Ion Ratio Lower Upper

94 100

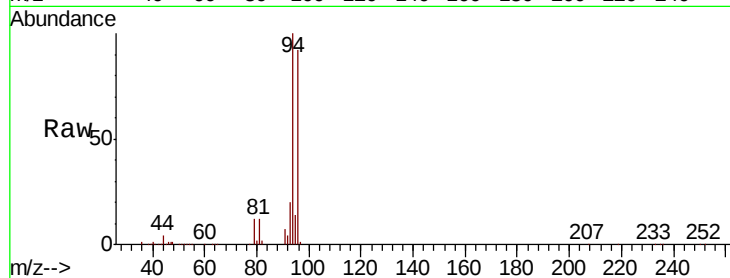
96 92.1 75.9 113.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

120000

100000

80000

60000

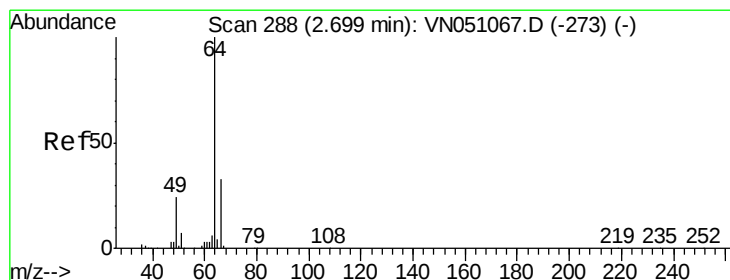
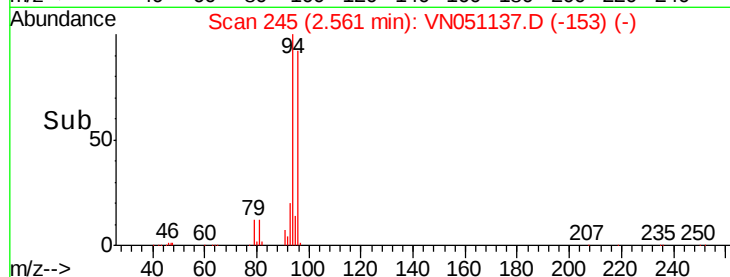
40000

20000

0

2.56

Time-->



#6

Chloroethane

Concen: 42.89 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051137.D

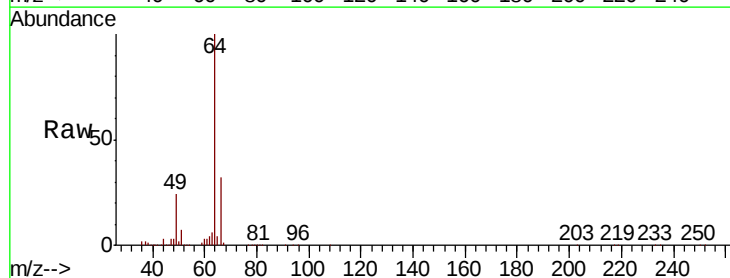
Acq: 12 Sep 2018 8:31

Tgt Ion: 64 Resp: 245094

Ion Ratio Lower Upper

64 100

66 31.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

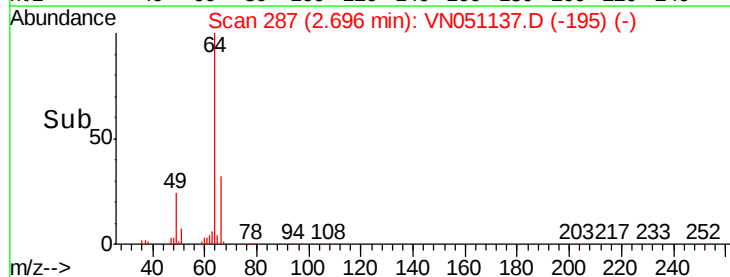
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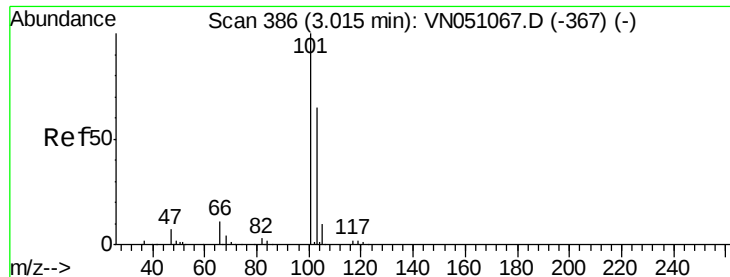
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0

2.70

Time-->





#7

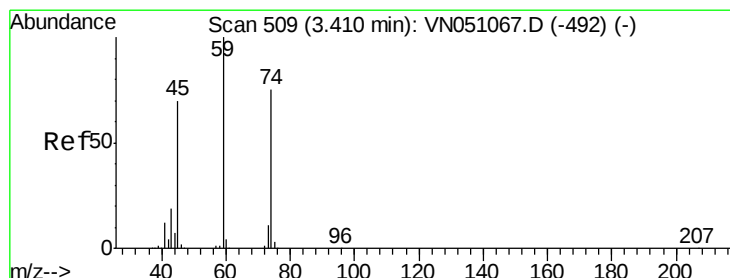
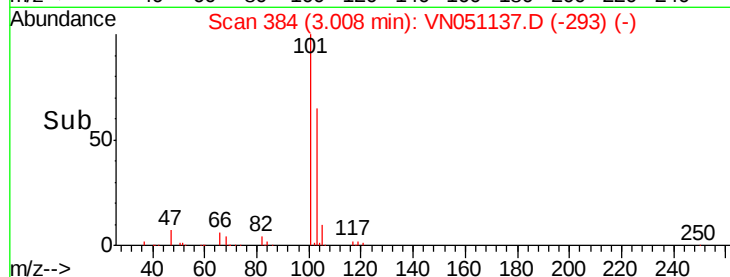
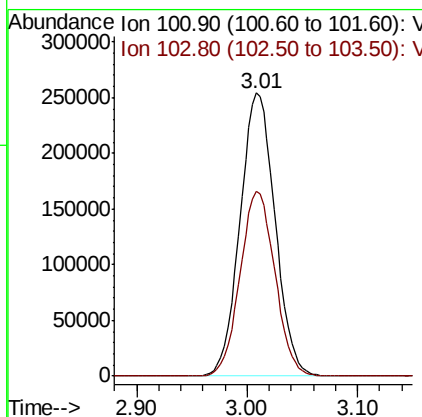
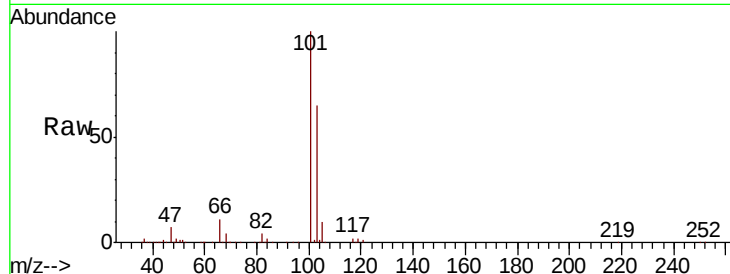
Trichlorofluoromethane
 Concen: 45.57 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	559137		
103	65.4	52.4	78.6	

Manual Integrations
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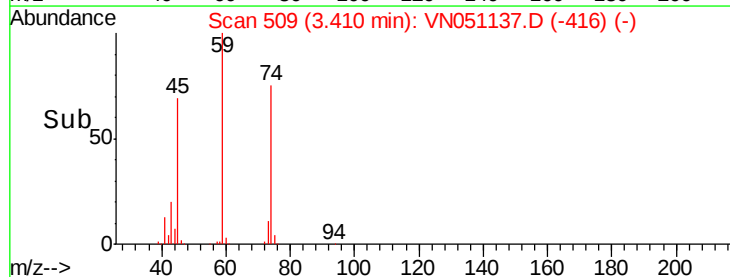
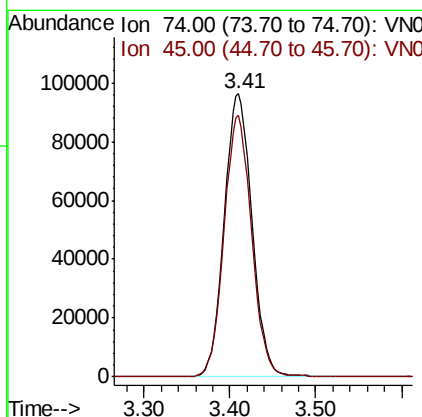
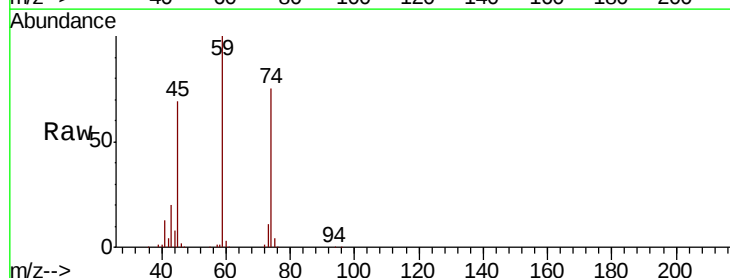
MMDadoda
 9/13/2018 5:20:04 PM

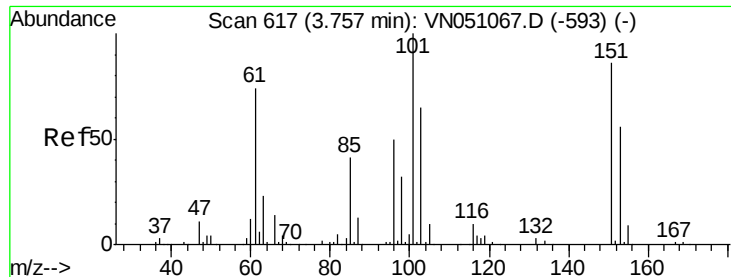


#8

Diethyl Ether
 Concen: 47.91 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	216206		
45	91.8	46.7	140.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.25 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

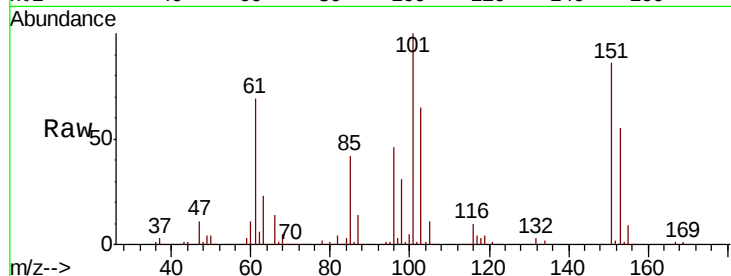
ClientSampleId :

VSTDCCC050

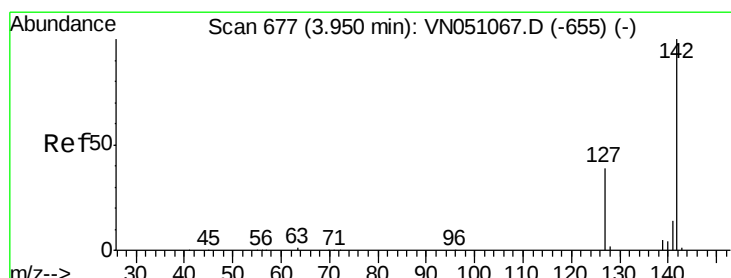
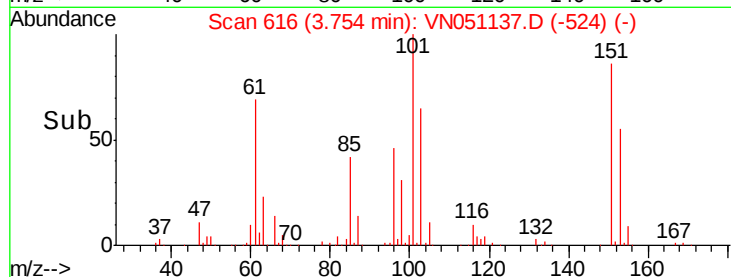
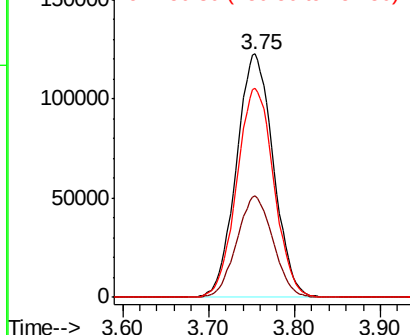
Tot Ion:	101	Resp:	365777
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.3	49.9
151	86.4	68.2	102.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.01 ug/l

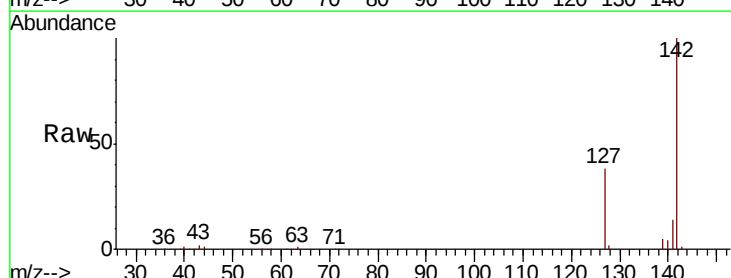
RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

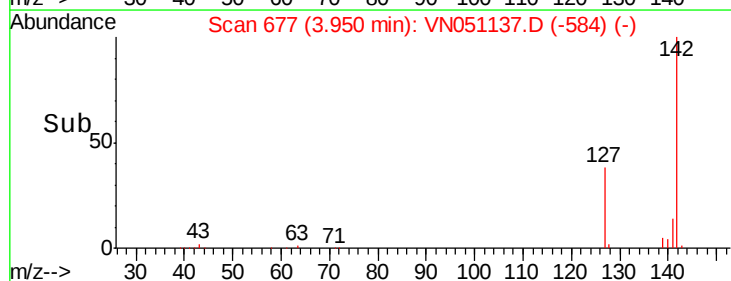
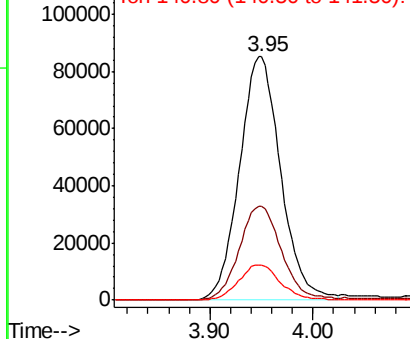
Lab File: VN051137.D

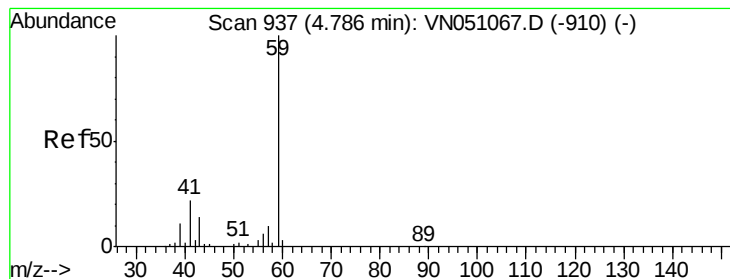
Acq: 12 Sep 2018 8:31

Tgt Ion:	142	Resp:	236527
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.0	46.4
141	14.6	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

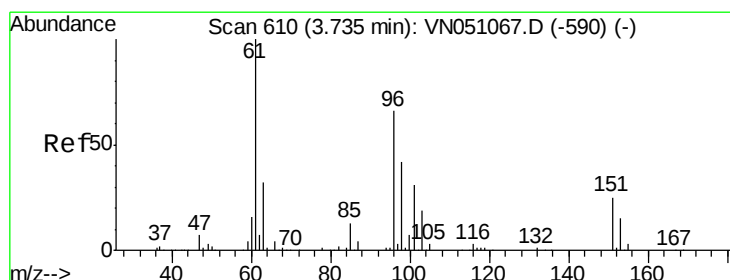
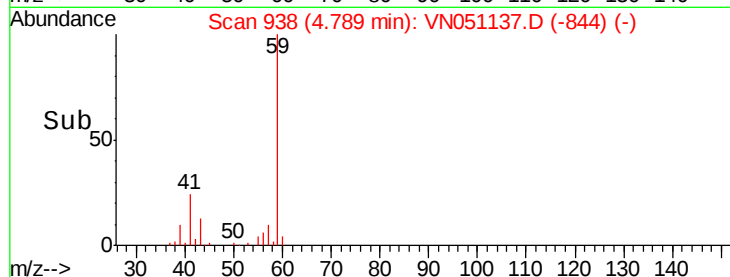
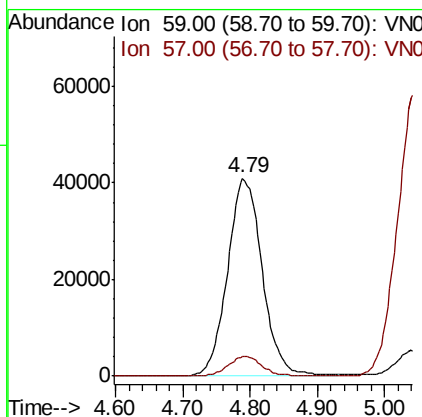
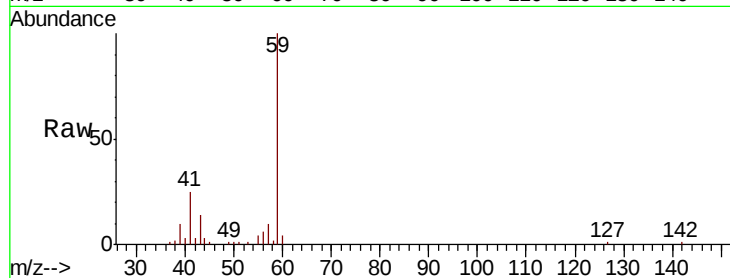
Tert butyl alcohol
Concen: 247.66 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.1	12.1

Manual Integrations
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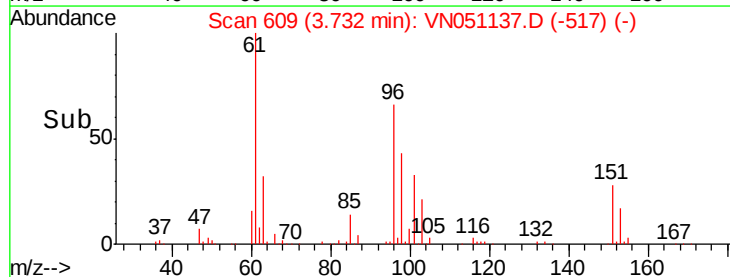
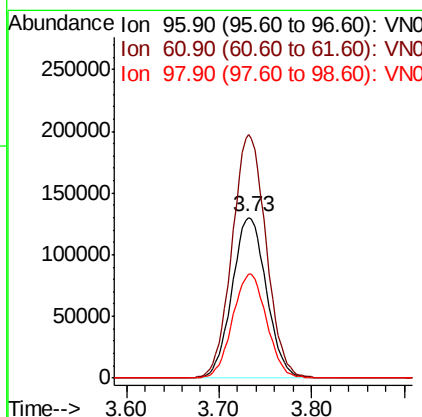
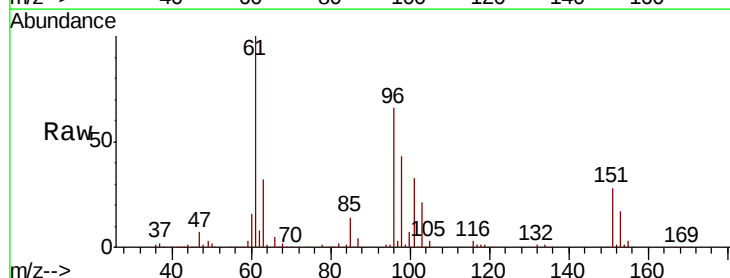
MMDadoda
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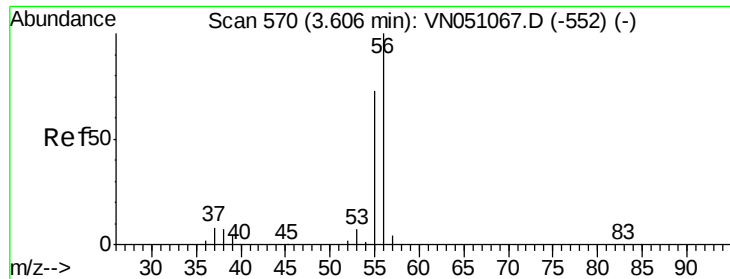


#12

1,1-Dichloroethene
Concen: 44.86 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	120.3	180.5
98	64.6	50.8	76.2





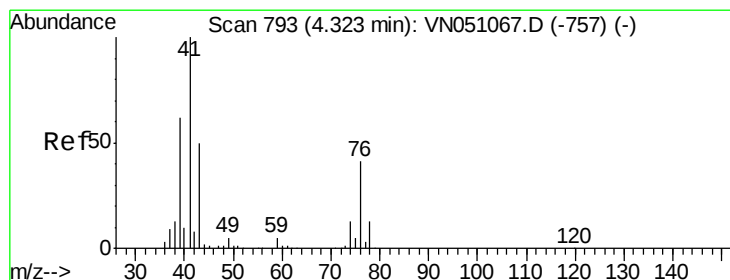
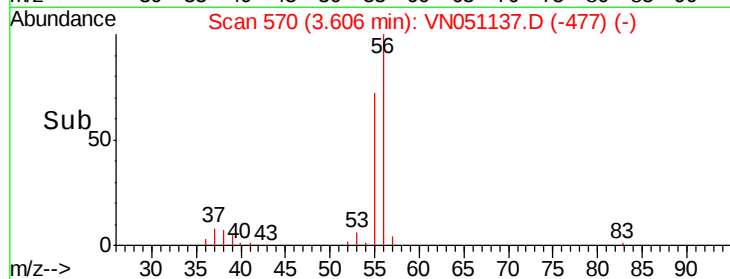
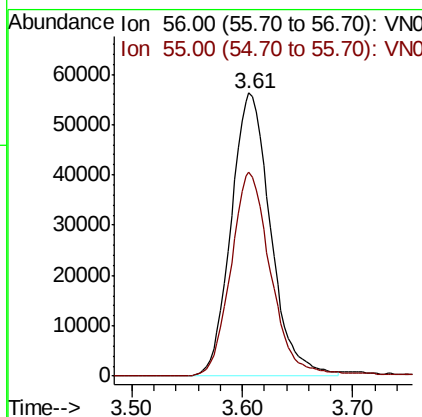
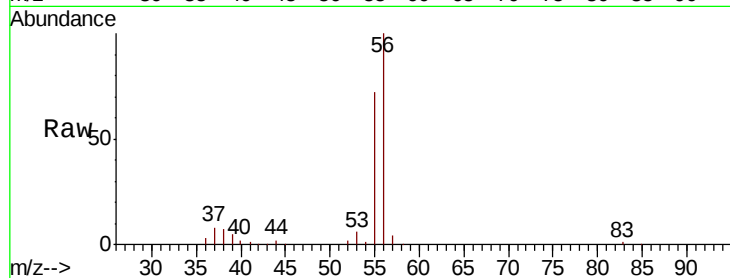
#13
Acrolein
Concen: 197.98 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.5	58.0	87.0

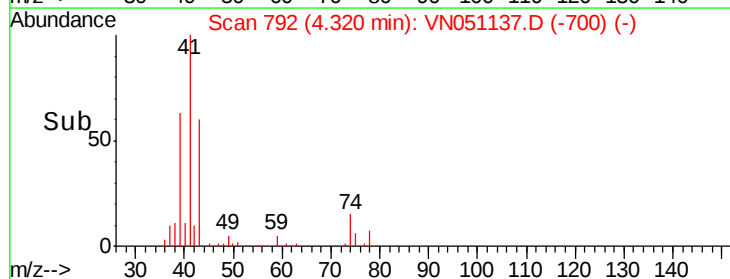
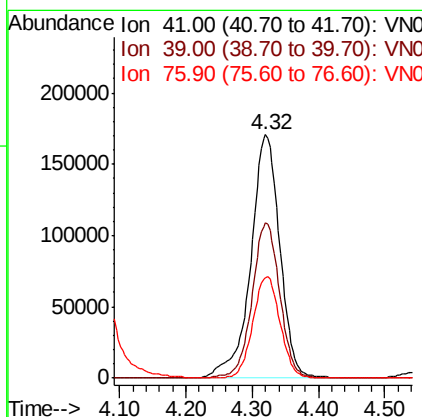
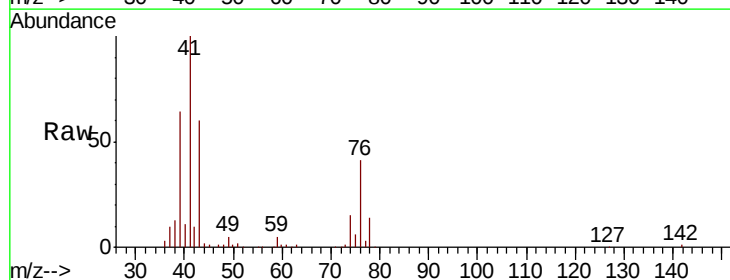
Manual Integrations
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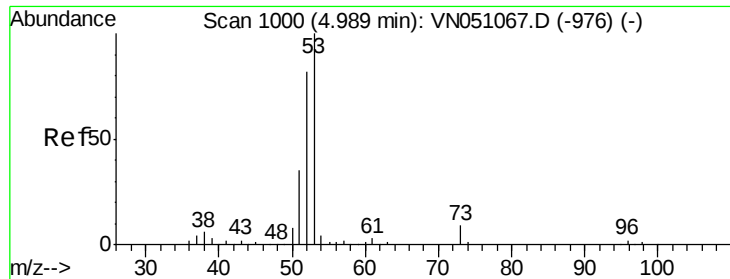
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#14
Allyl chloride
Concen: 45.84 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.7	48.8	73.2
76	38.3	30.6	45.8





#15

Acrylonitrile

Concen: 256.71 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

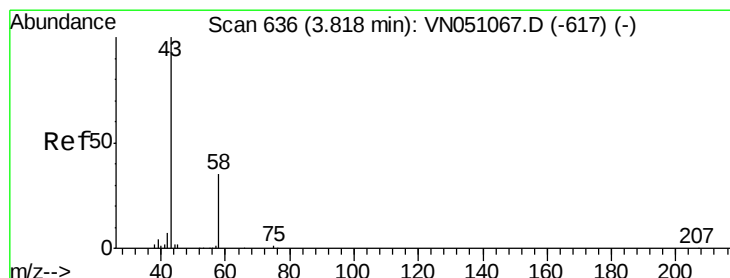
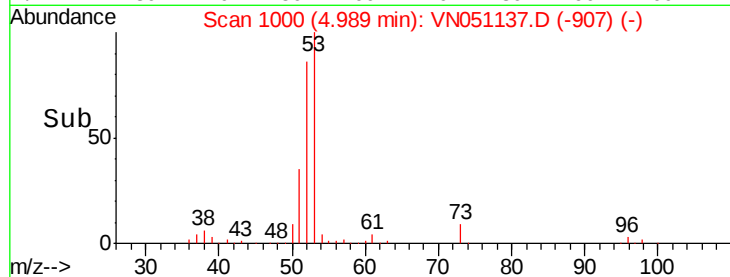
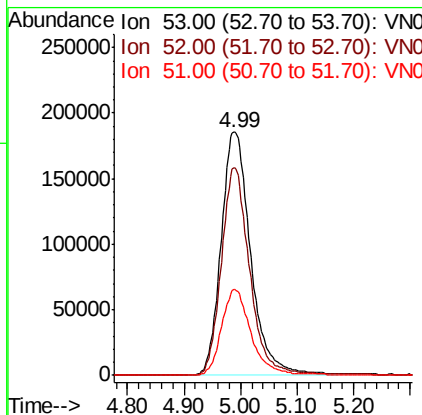
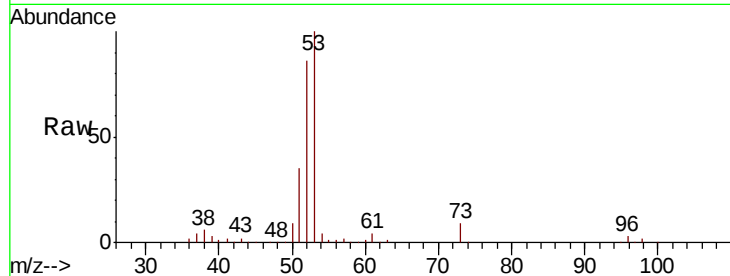
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	676339
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.3	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 277.05 ug/l

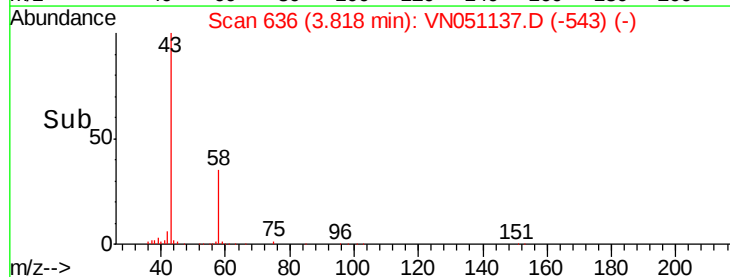
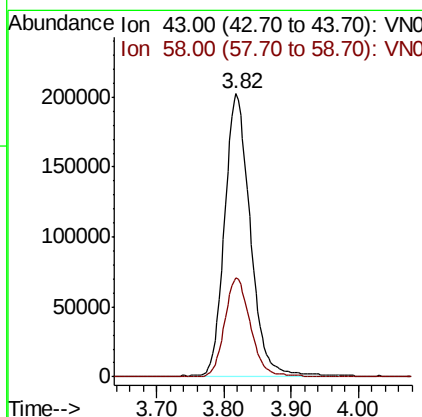
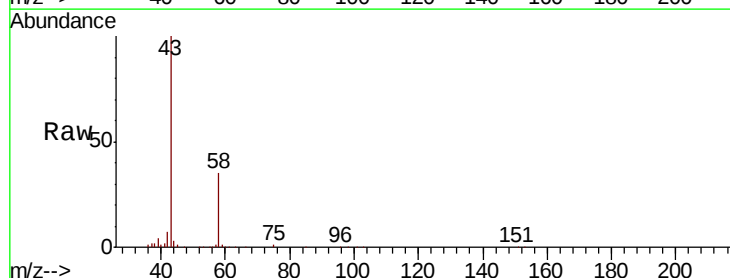
RT: 3.82 min Scan# 636

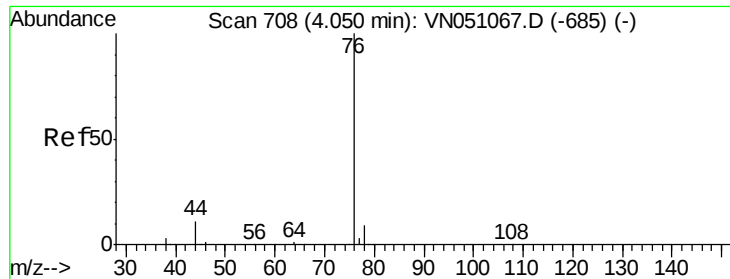
Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion:	43	Resp:	532038
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.6





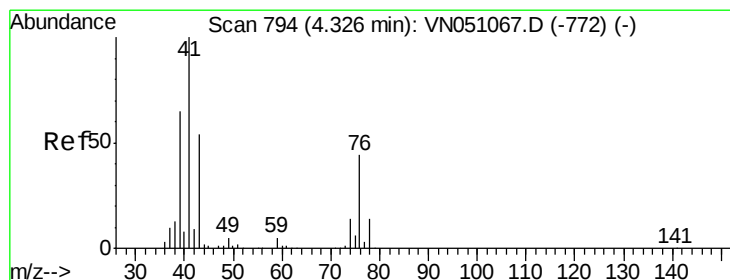
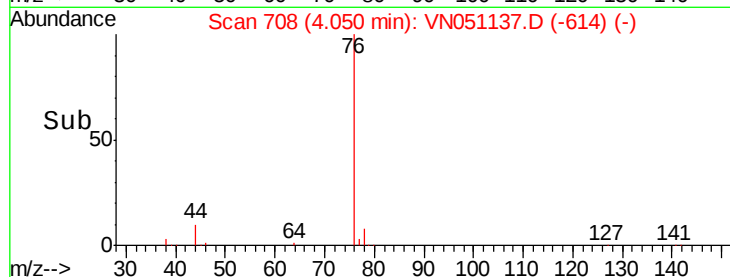
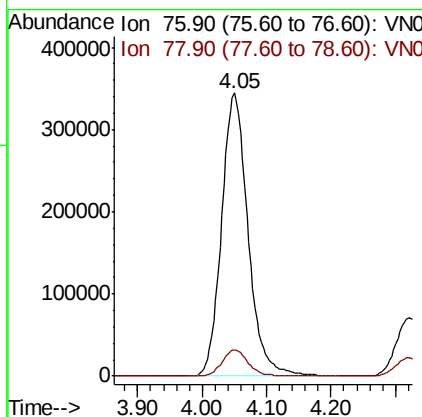
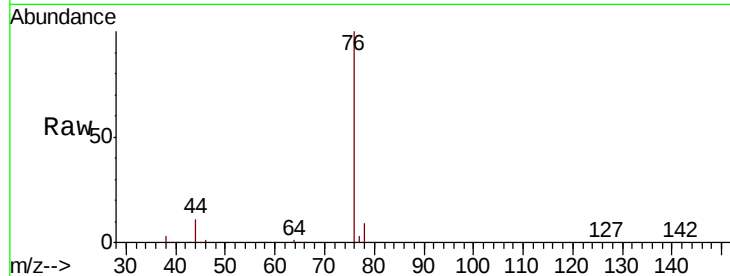
#17
Carbon Disulfide
Concen: 44.77 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

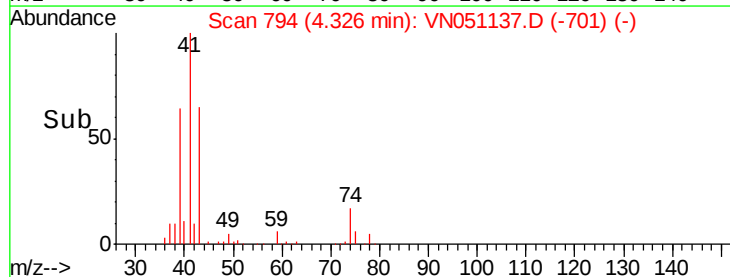
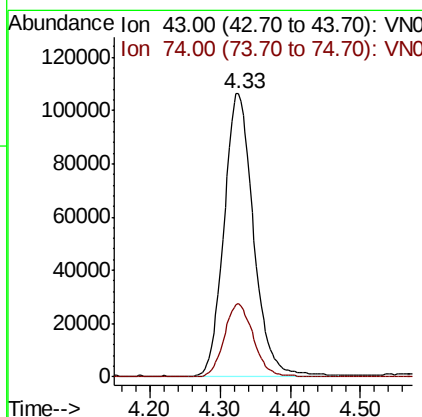
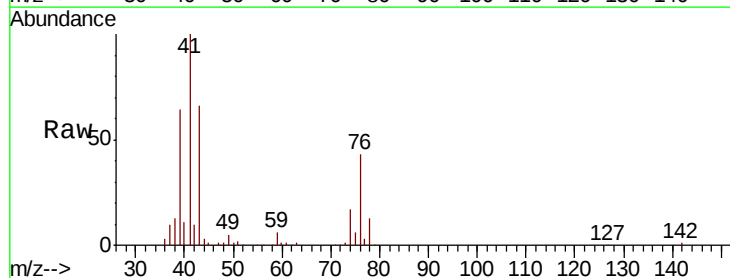
Manual Integrations
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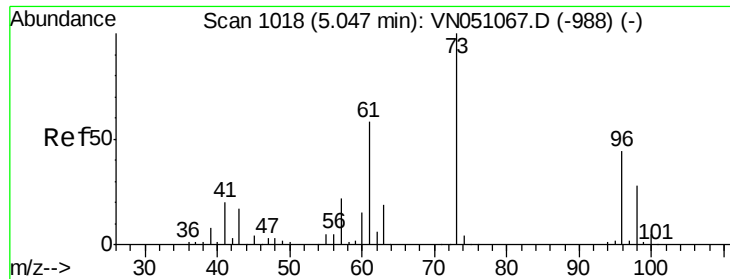
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#18
Methyl Acetate
Concen: 49.60 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.7	31.1





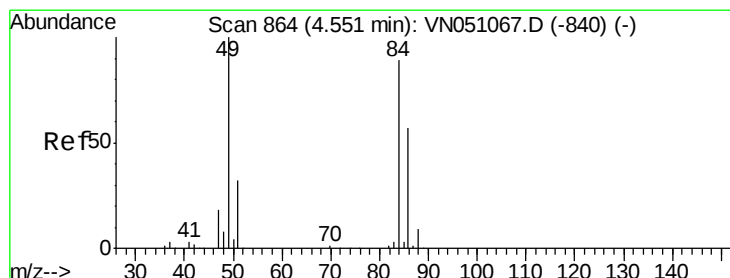
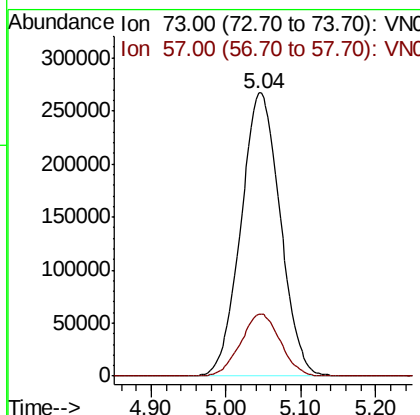
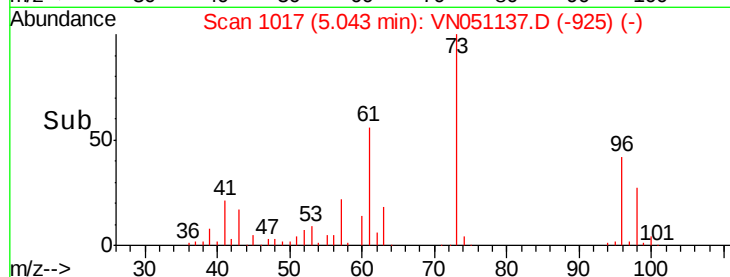
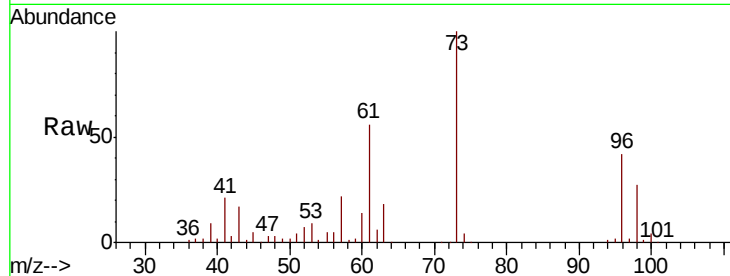
#19
Methvl tert-butvl Ether
Concen: 49.53 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 976917
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9

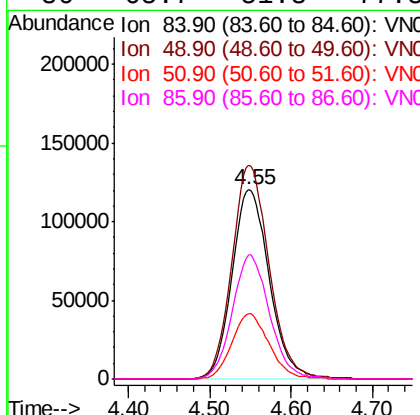
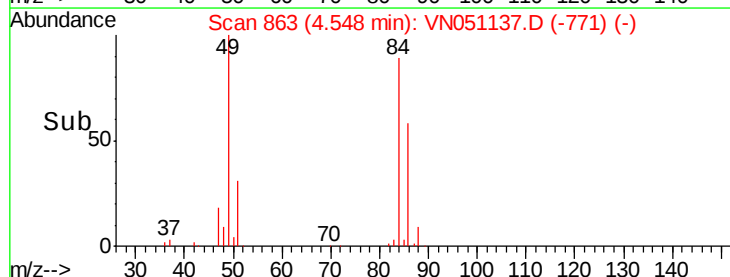
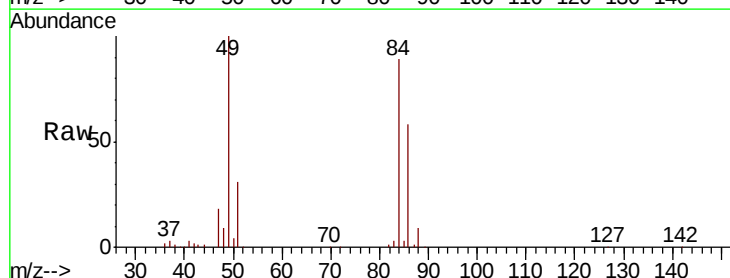
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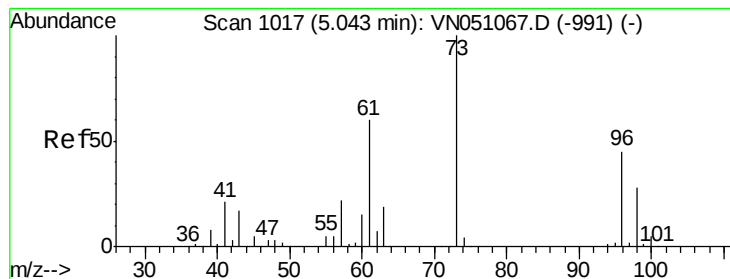
MMDadoda
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#20
Methylene Chloride
Concen: 44.54 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion: 84 Resp: 383002
Ion Ratio Lower Upper
84 100
49 112.8 90.2 135.2
51 34.7 28.4 42.6
86 65.7 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 44.76 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

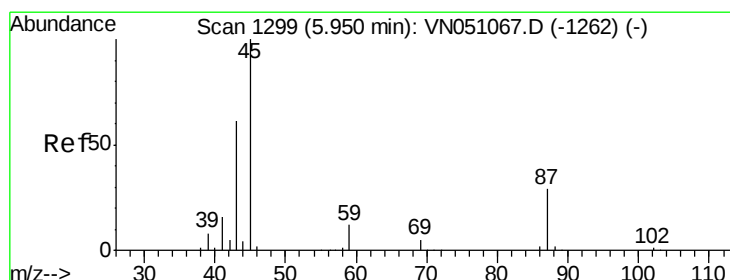
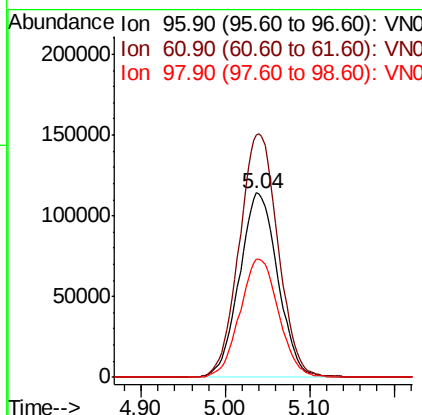
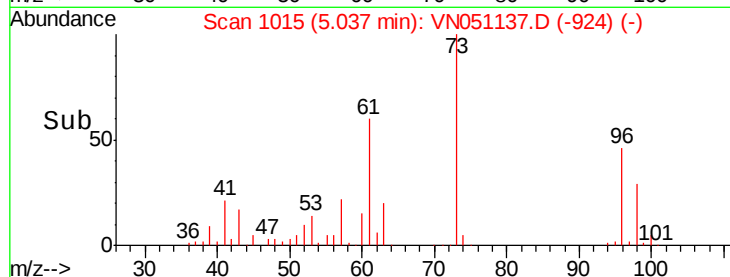
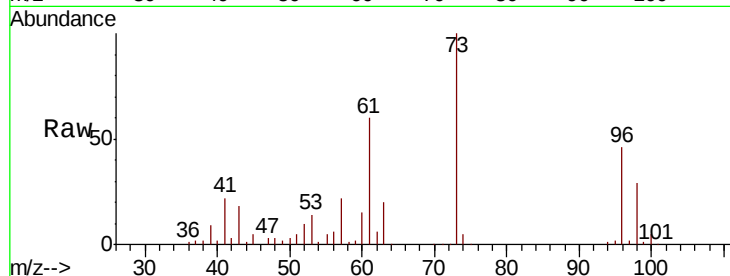
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	362237
Ion	Ratio	Lower	Upper
96	100		
61	130.9	106.5	159.7
98	64.0	50.4	75.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.52 ug/l

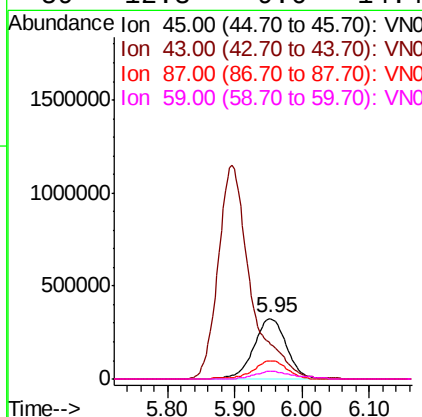
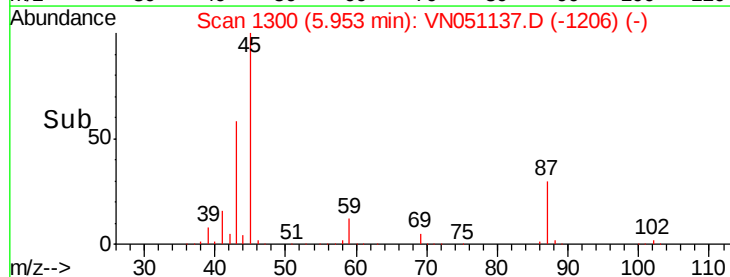
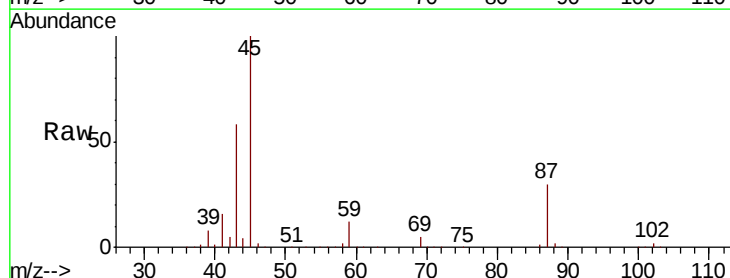
RT: 5.95 min Scan# 1300

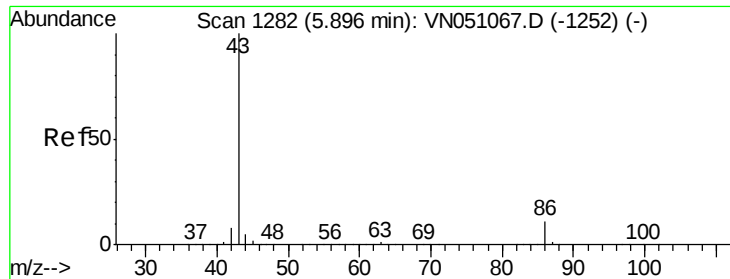
Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion:	45	Resp:	1094823
Ion	Ratio	Lower	Upper
45	100		
43	57.0	48.8	73.2
87	29.7	23.8	35.8
59	12.3	9.6	14.4





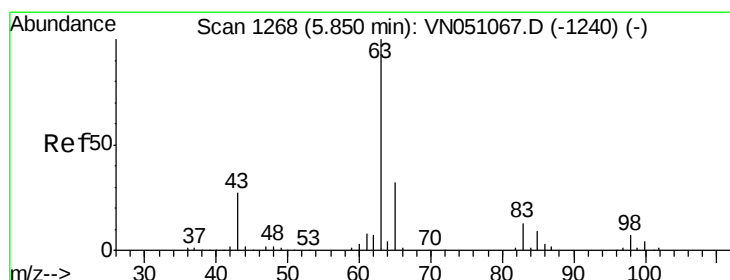
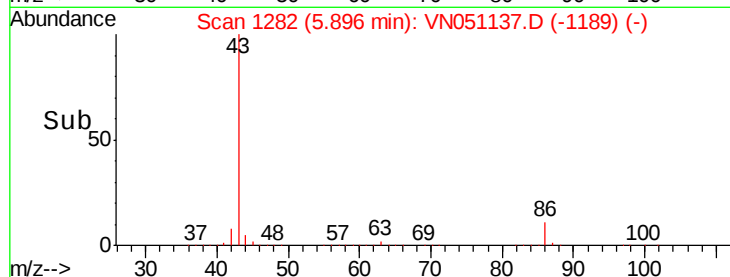
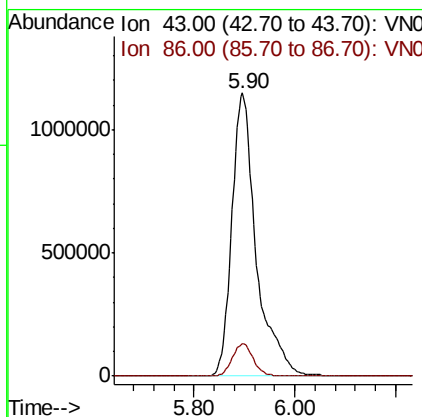
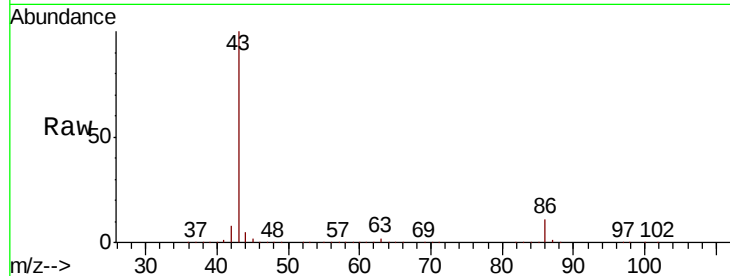
#23
 Vinyl Acetate
 Concen: 252.84 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.4	9.2	13.8

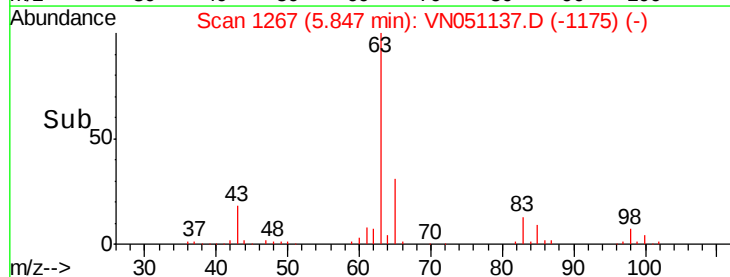
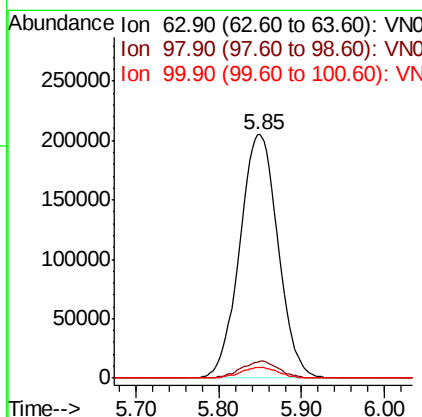
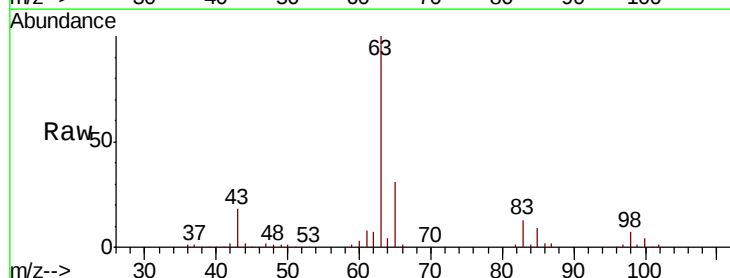
Manual Integrations
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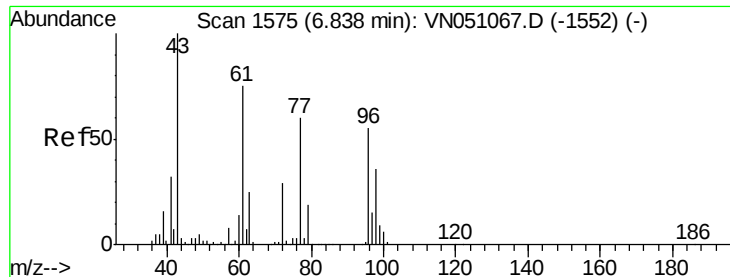
MMDadoda
 9/13/2018 5:20:04 PM



#24
 1,1-Dichloroethane
 Concen: 46.00 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.3	2.1	6.3





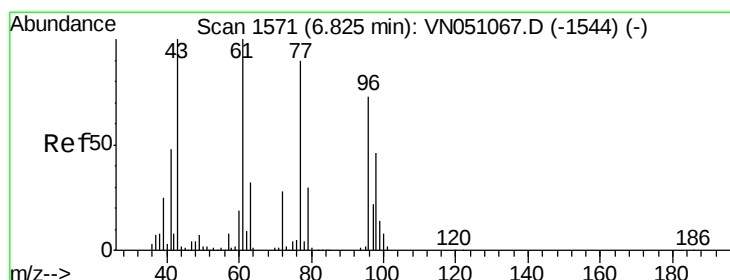
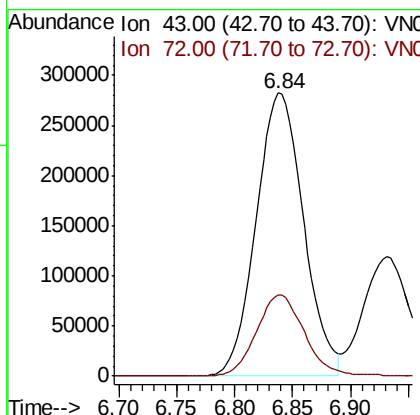
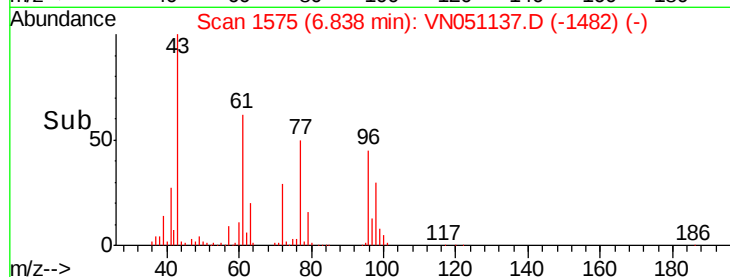
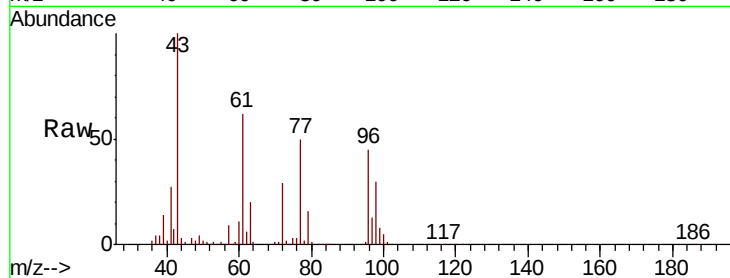
#25
2-Butanone
Concen: 261.95 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	801704
Ion Ratio	100	Lower	Upper
72	28.6	23.0	34.6

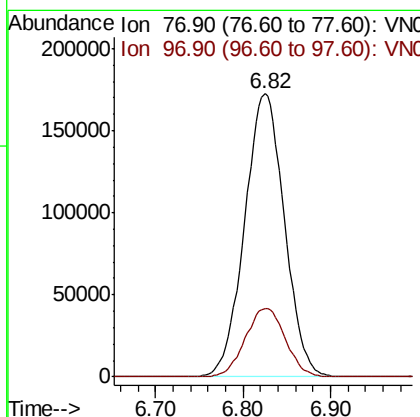
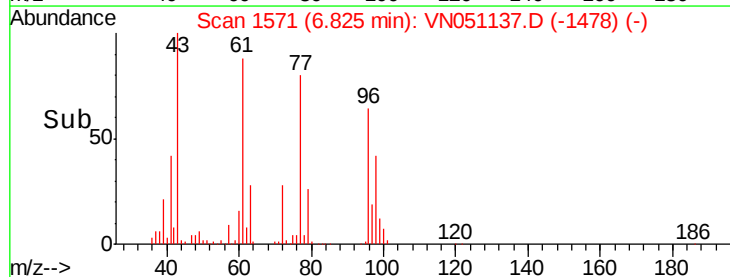
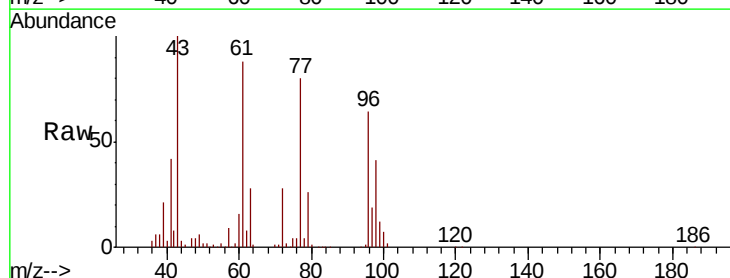
Manual Integrations
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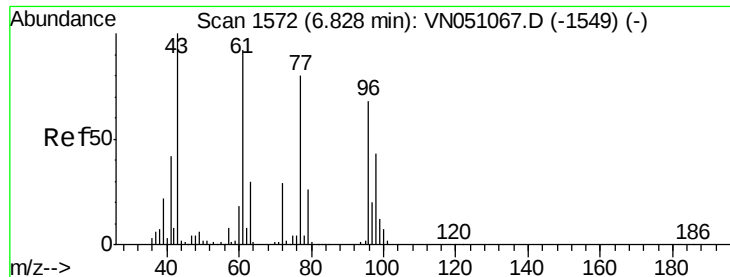
MMDadoda
9/13/2018 5:20:04 PM



#26
2,2-Dichloropropane
Concen: 46.44 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	77	Resp	544159
Ion Ratio	100	Lower	Upper
97	24.5	12.1	36.3





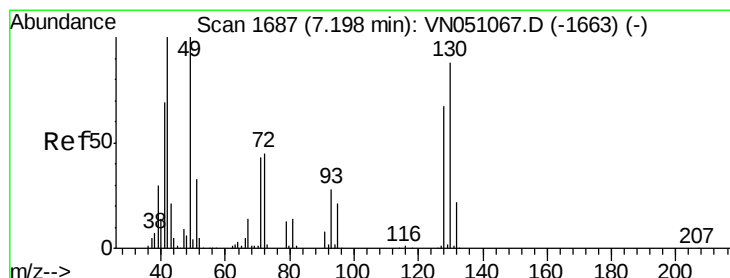
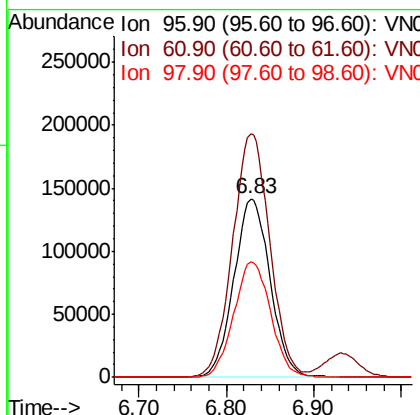
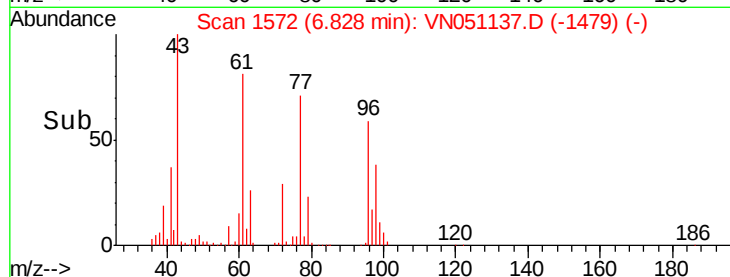
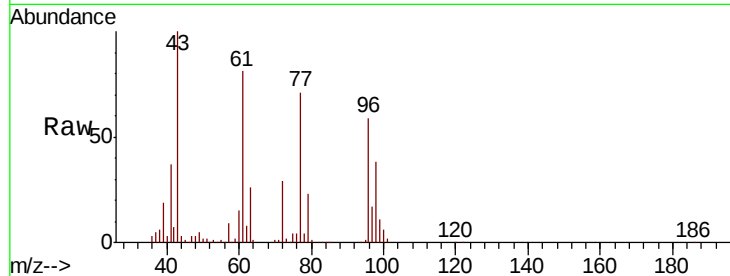
#27
 cis-1,2-Dichloroethene
 Concen: 45.95 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	407971		
61	139.8	0.0	278.2	
98	65.9	0.0	129.4	

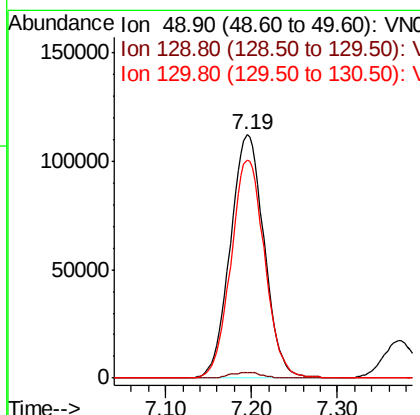
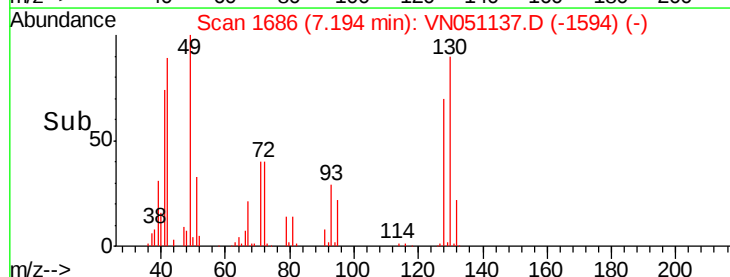
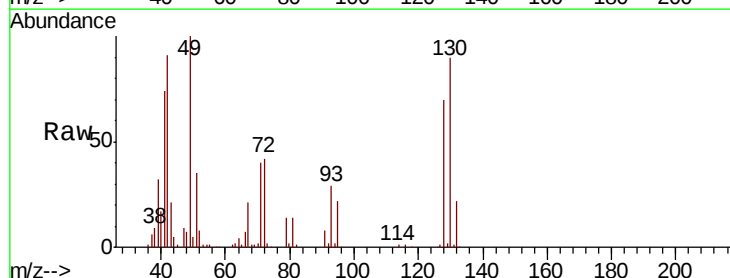
Manual Integrations
 APPROVED

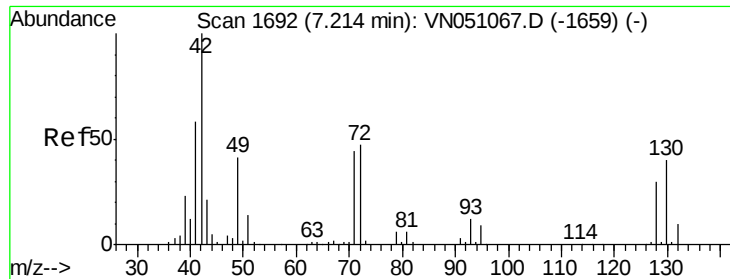
MMDadoda
 9/13/2018 5:20:04 PM



#28
 Bromochloromethane
 Concen: 48.25 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	307451		
129	2.1	0.0	4.4	
130	89.3	70.7	106.1	





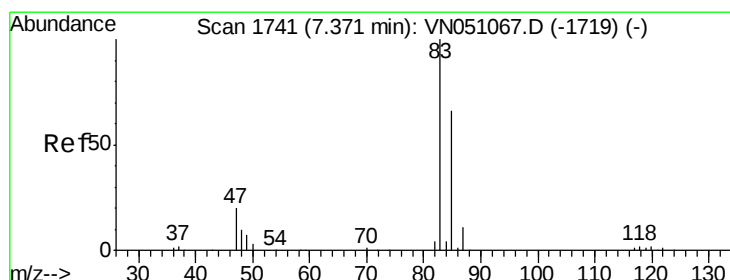
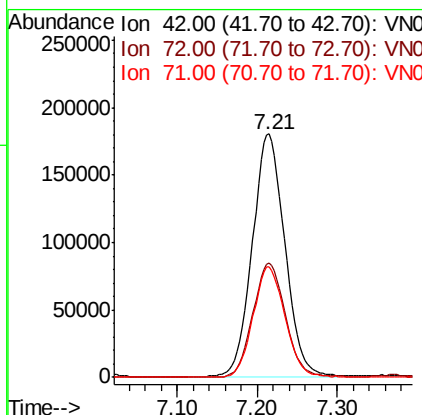
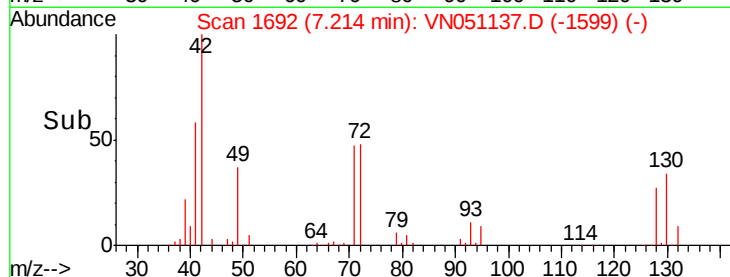
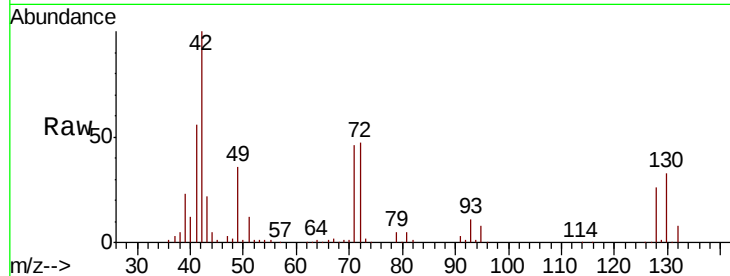
#29
Tetrahydrofuran
Concen: 263.81 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.4	56.0
71	44.7	34.7	52.1

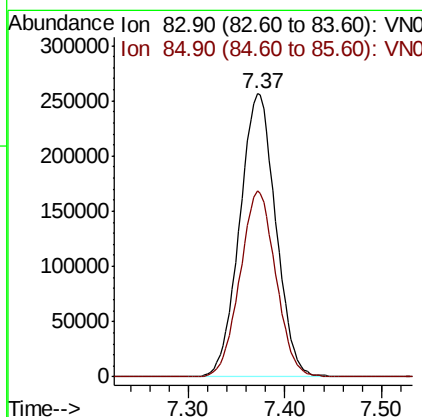
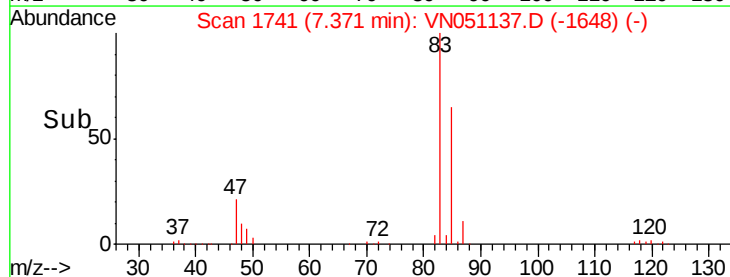
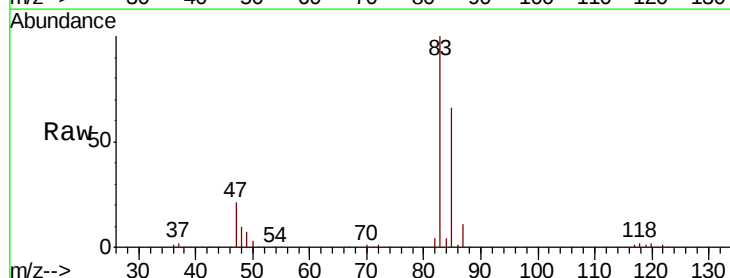
Manual Integrations
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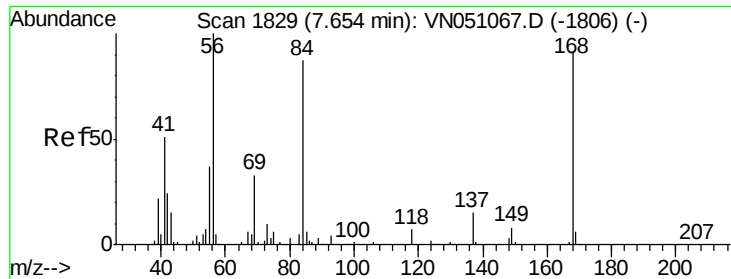
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#30
Chloroform
Concen: 46.65 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	79.0





#31

Cyclohexane

Concen: 46.44 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

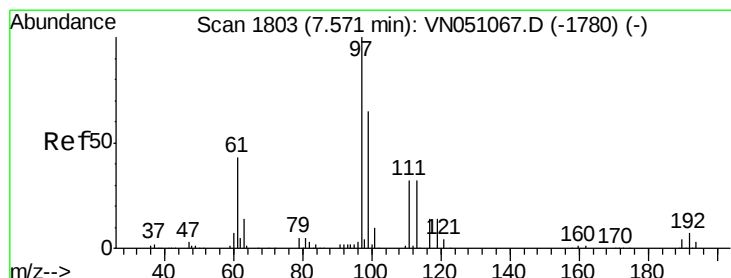
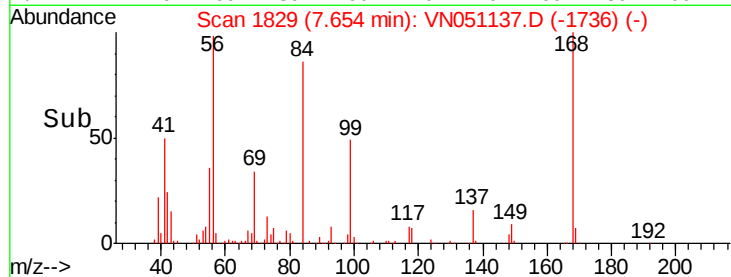
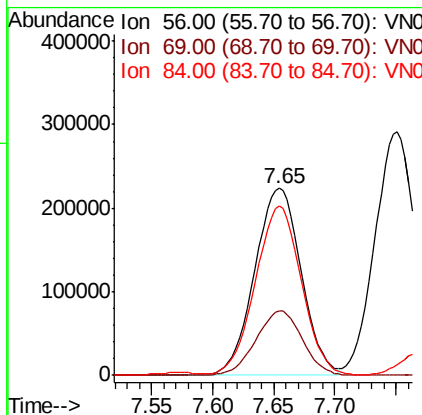
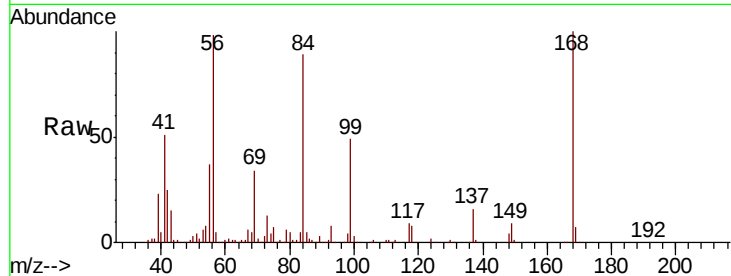
ClientSampled :

VSTDCCC050

Tot Ion	56	Resp	593111
Ion Ratio	Lower	Upper	
56	100		
69	34.4	26.3	39.5
84	89.5	69.4	104.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.78 ug/l

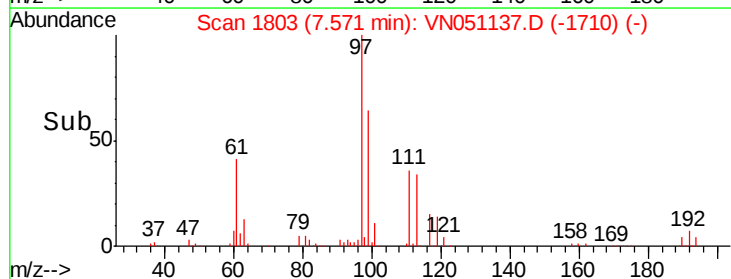
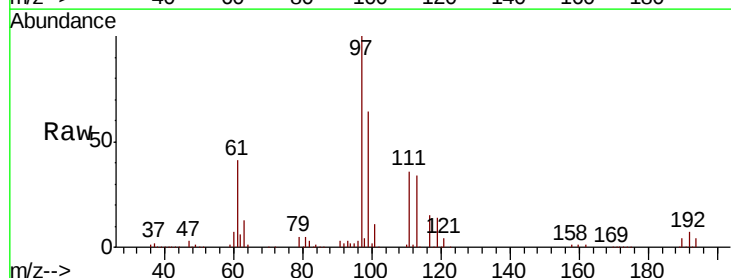
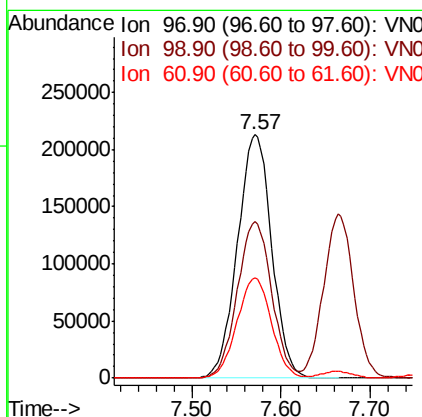
RT: 7.57 min Scan# 1803

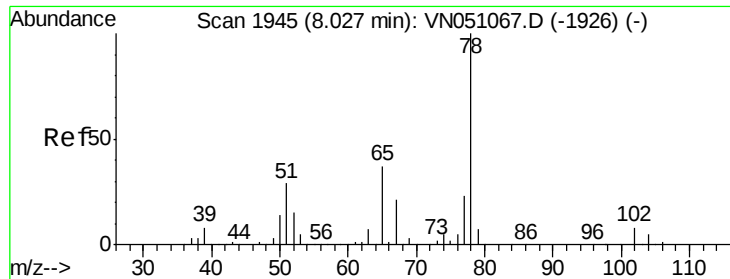
Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion	97	Resp	567723
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.6	77.4
61	41.6	33.8	50.6





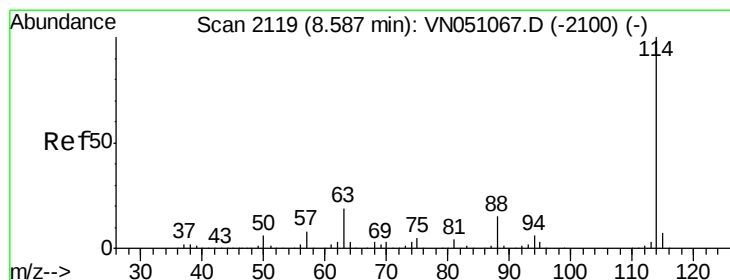
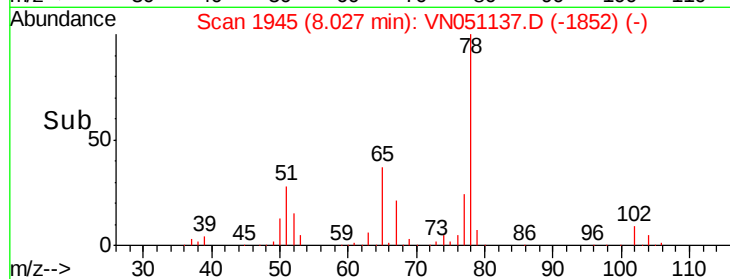
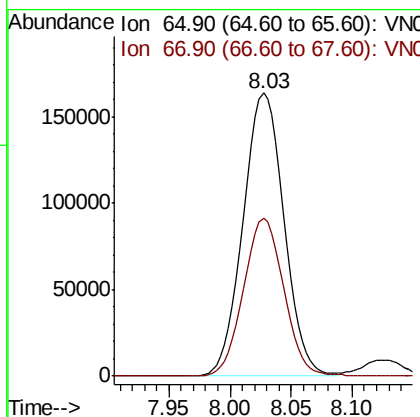
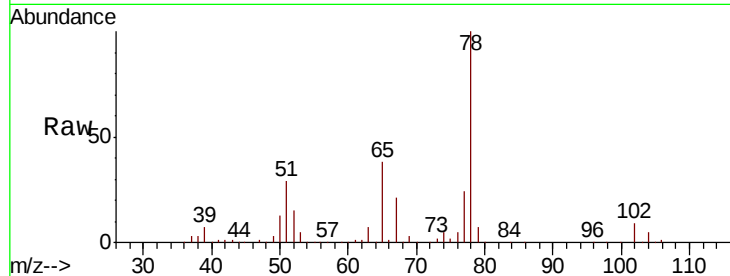
#33
 1,2-Dichloroethane-d4
 Concen: 48.93 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	380917		
67	54.9	0.0	112.0	

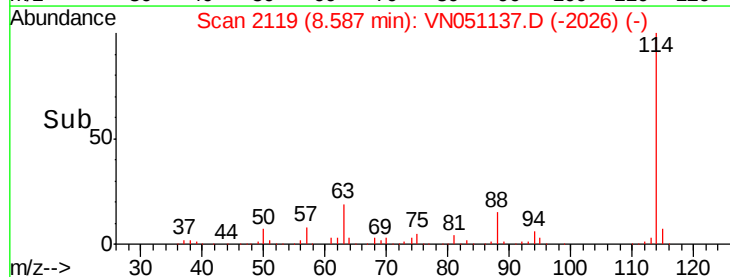
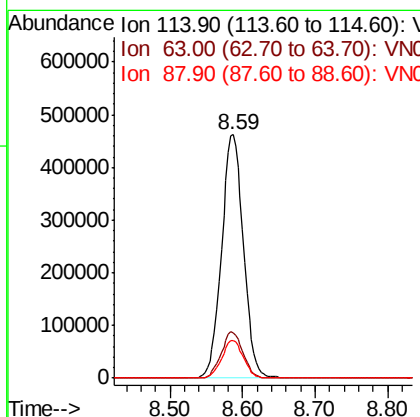
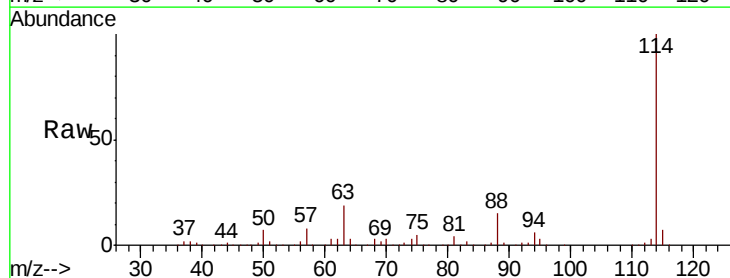
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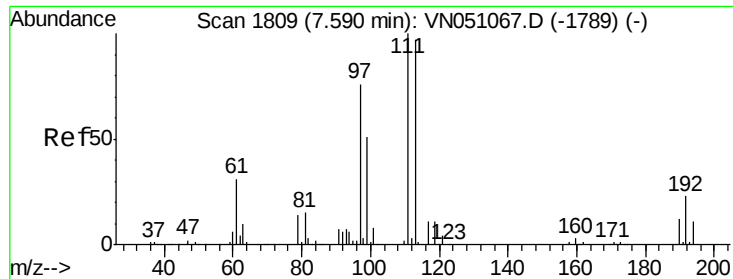
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	963261		
63	18.6	0.0	37.8	
88	15.5	0.0	30.8	





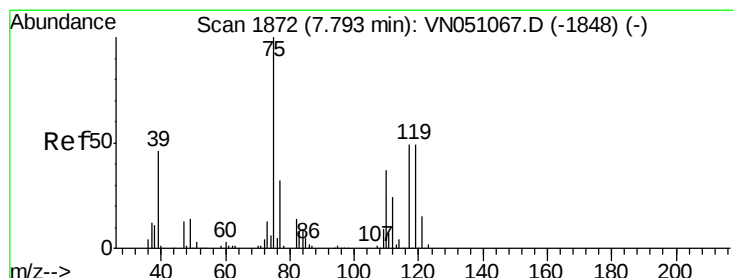
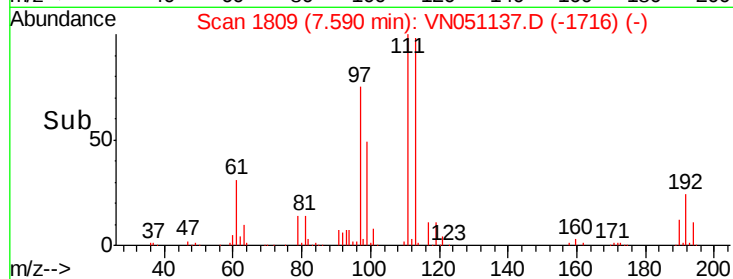
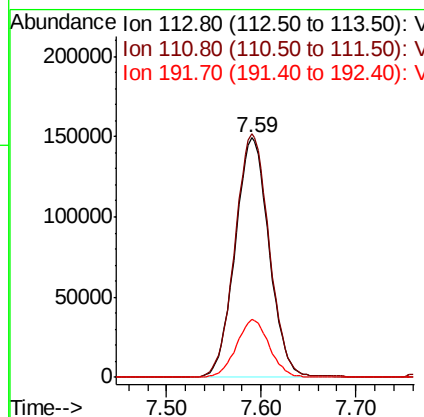
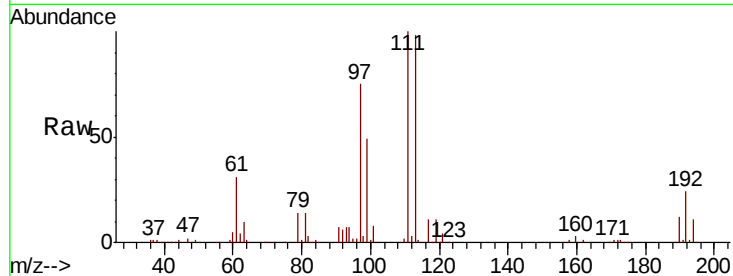
#35
 Dibromofluoromethane
 Concen: 51.50 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	372746		
111	102.9	83.0	124.6	
192	23.4	18.7	28.1	

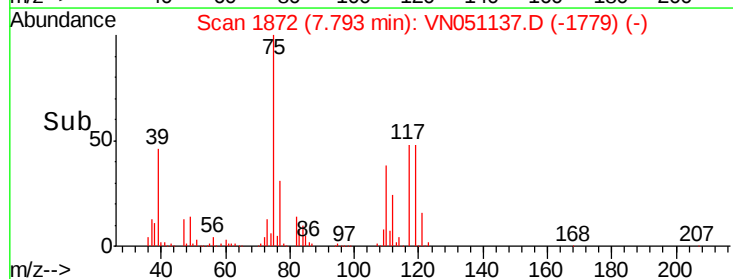
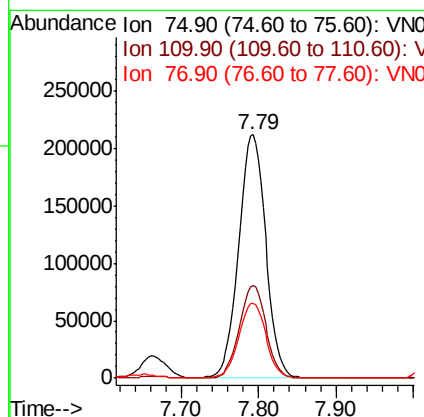
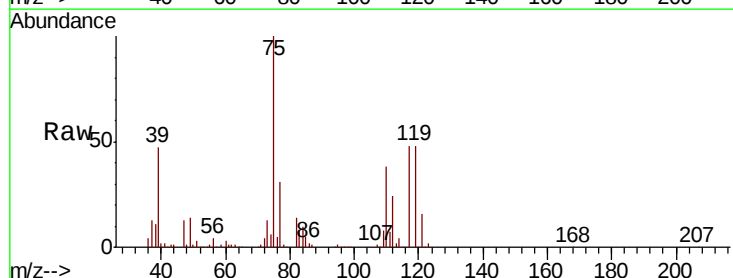
Manual Integrations
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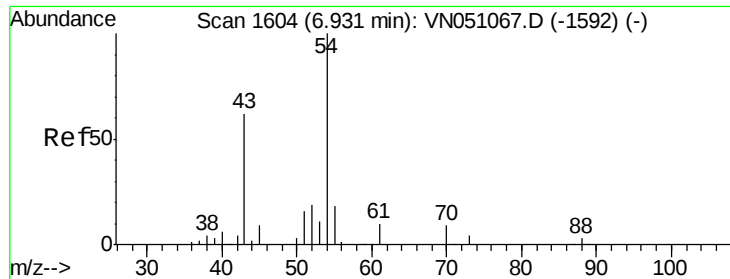
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#36
 1,1-Dichloropropene
 Concen: 48.55 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	513474		
110	37.5	18.6	55.8	
77	31.3	25.2	37.8	





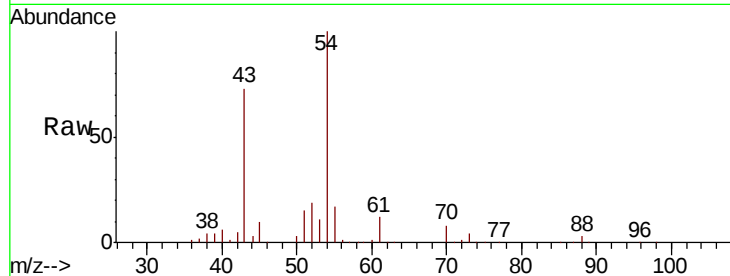
#37
Ethyl Acetate
Concen: 55.16 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

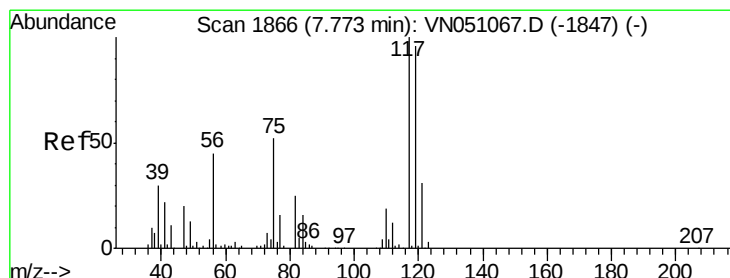
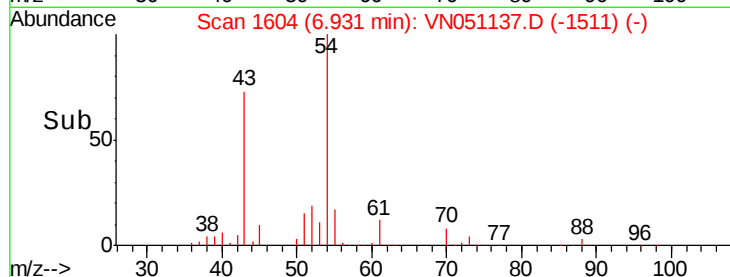
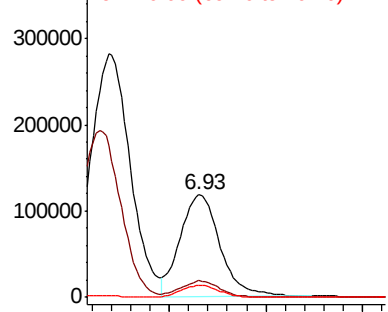
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.4	18.6
70	11.6	9.3	13.9

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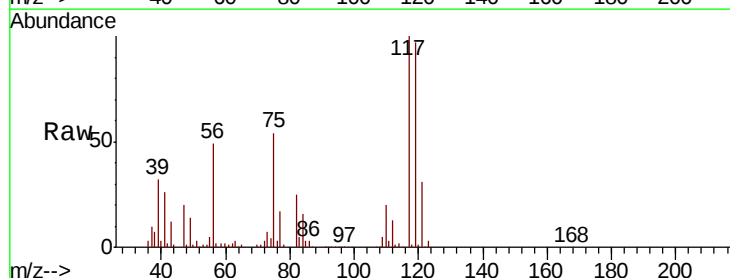


Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1592) (-)

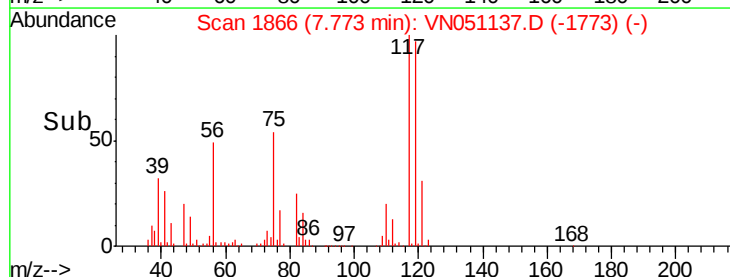
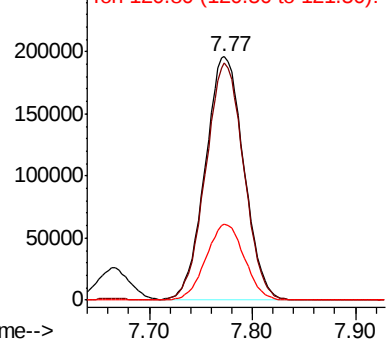


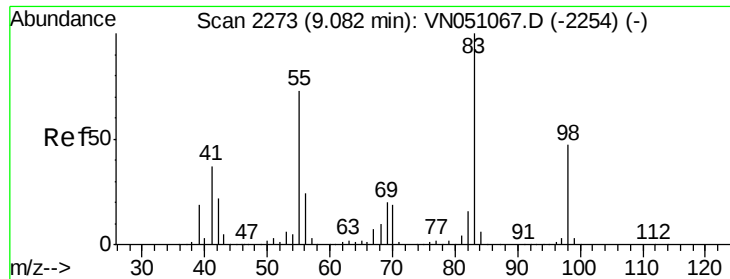
#38
Carbon Tetrachloride
Concen: 48.90 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.8	115.2
121	31.3	24.6	36.8



Abundance Ion 116.80 (116.50 to 117.50): VN051067.D (-1847) (-)





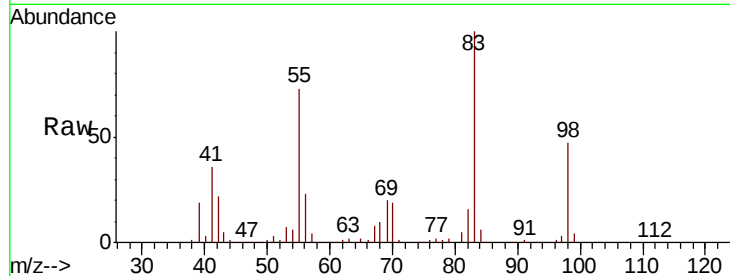
#39
Methvlcvclohexane
Concen: 50.65 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

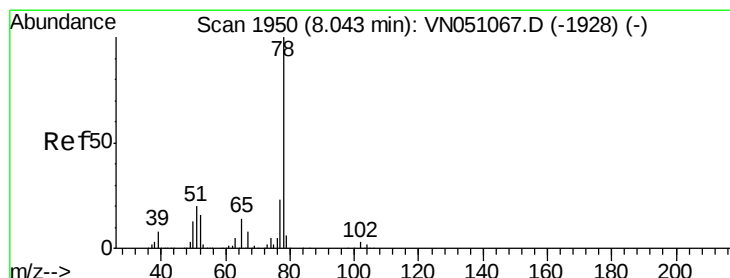
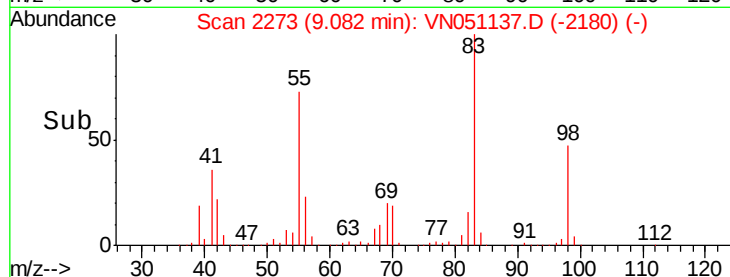
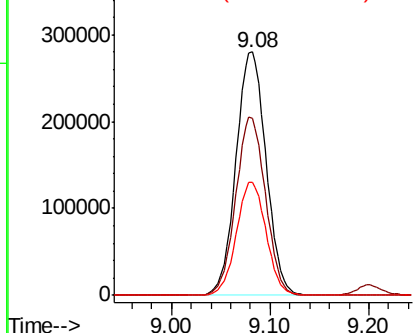
Tot Ion	Ratio	Resp	Lower	Upper
83	100	591006		
55	72.8		58.4	87.6
98	46.6		37.3	55.9

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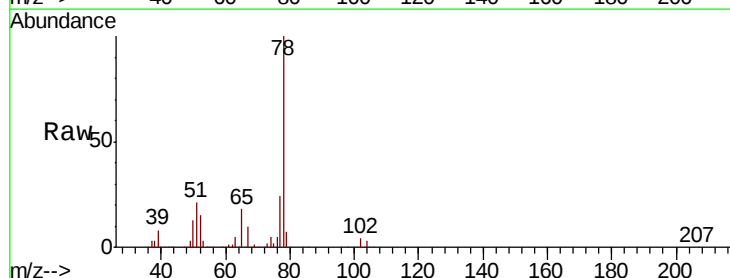


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

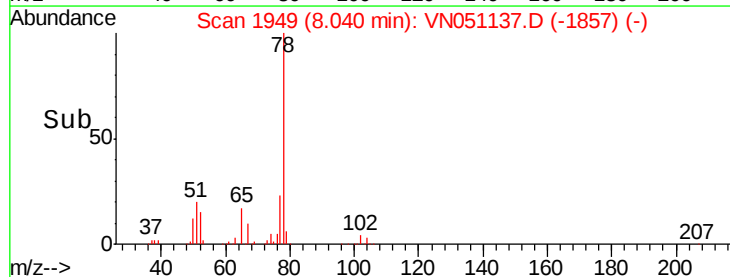
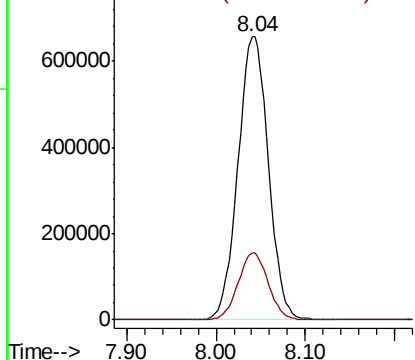


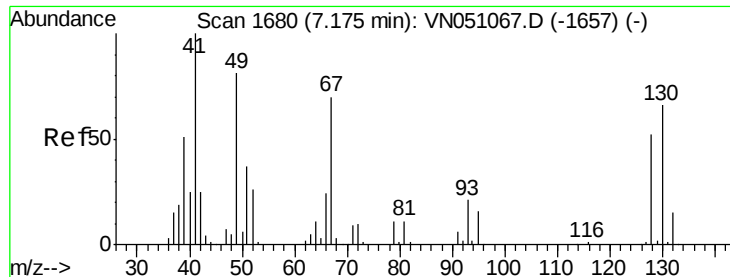
#40
Benzene
Concen: 48.80 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1555181		
77	23.6		18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





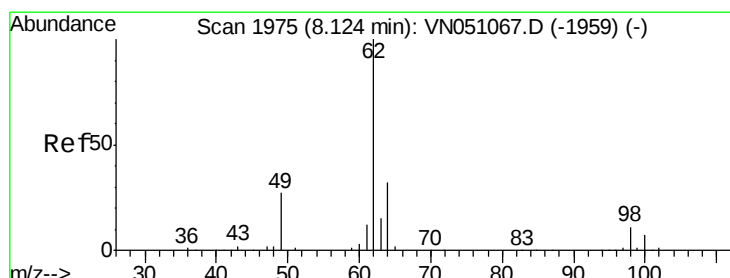
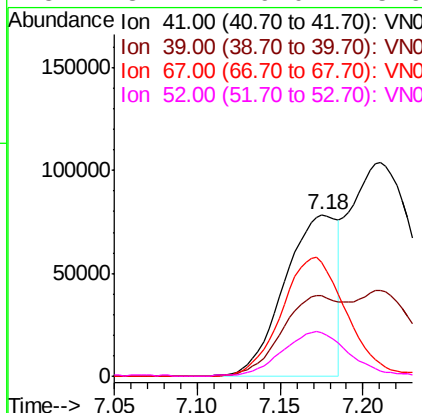
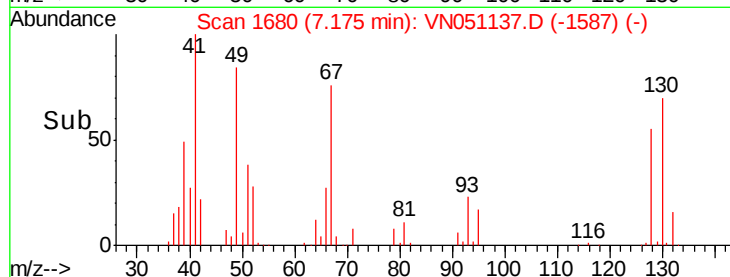
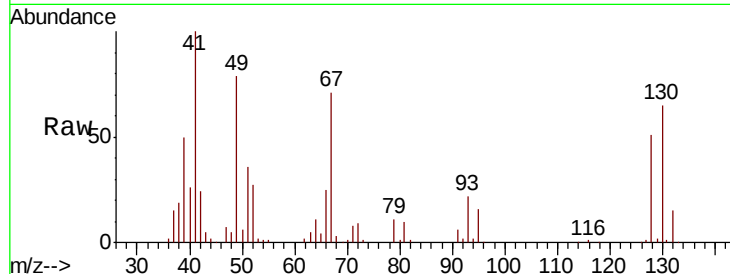
#41
Methacrylonitrile
Concen: 55.08 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	174070
Ion	Ratio	Lower	Upper
41	100		
39	59.2	51.3	76.9
67	91.2	78.5	117.7
52	34.1	29.0	43.6

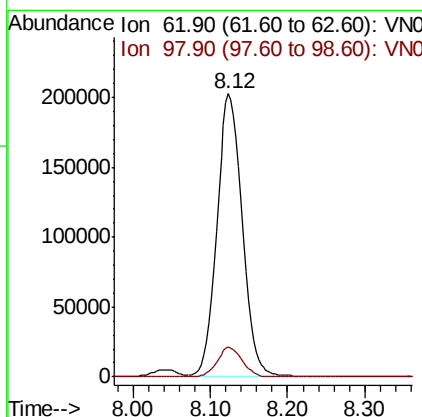
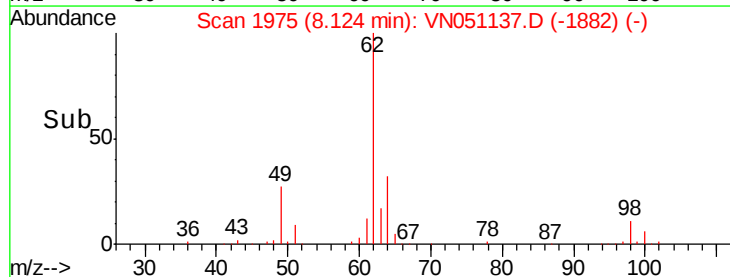
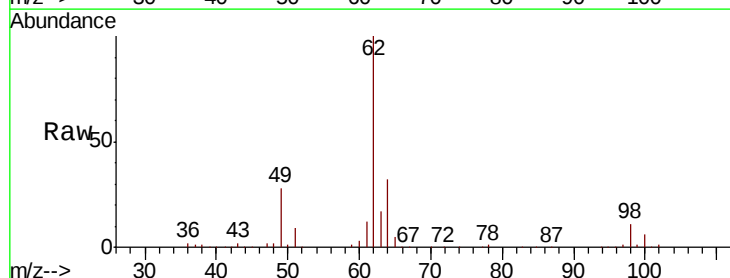
Manual Integrations
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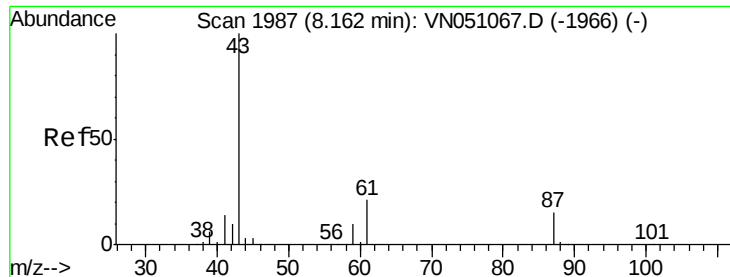
MMDadoda
9/13/2018 5:20:04 PM



#42
1,2-Dichloroethane
Concen: 49.94 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion:	62	Resp:	463900
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





#43

Isopropyl Acetate

Concen: 53.10 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

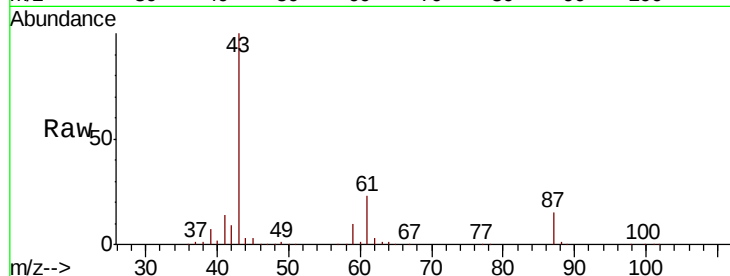
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	573845
Ion Ratio	Lower	Upper	
43	100		
61	31.1	25.0	37.6
87	15.0	11.8	17.8

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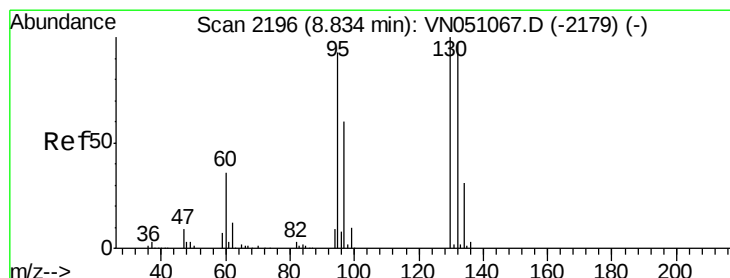
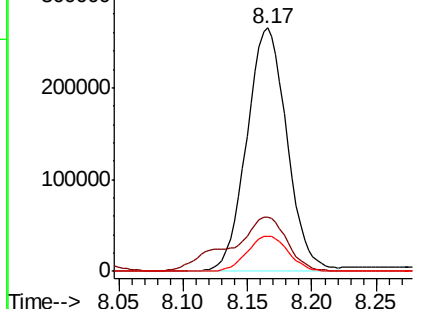
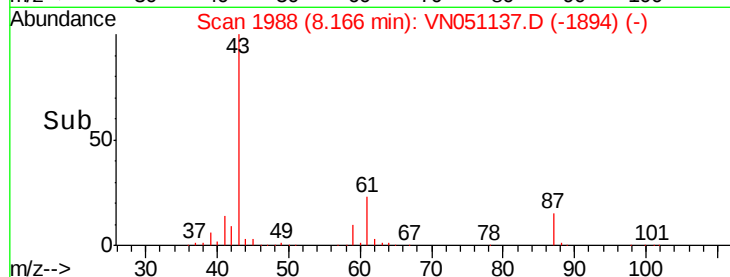


Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 48.02 ug/l

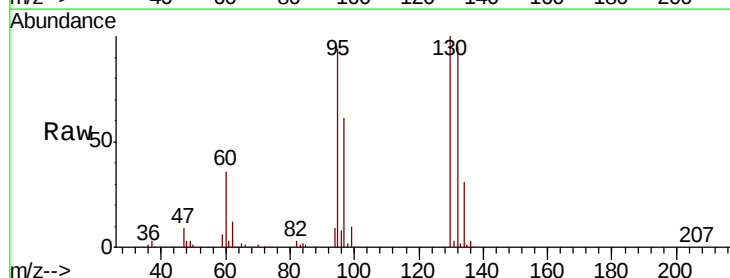
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

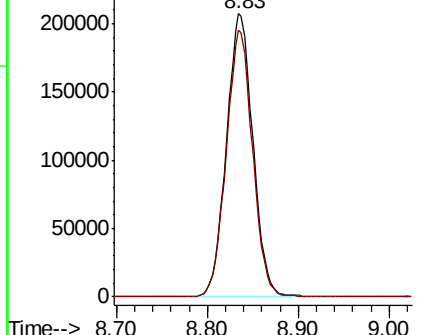
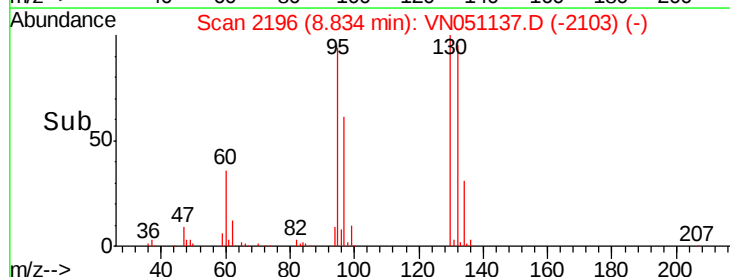
Tgt Ion:	130	Resp:	418546
Ion Ratio	Lower	Upper	
130	100		
95	94.3	0.0	186.2

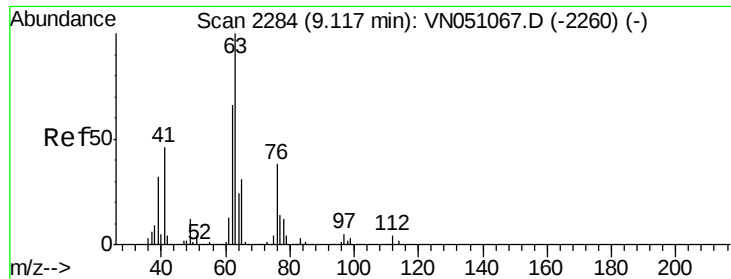


Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

Time-->





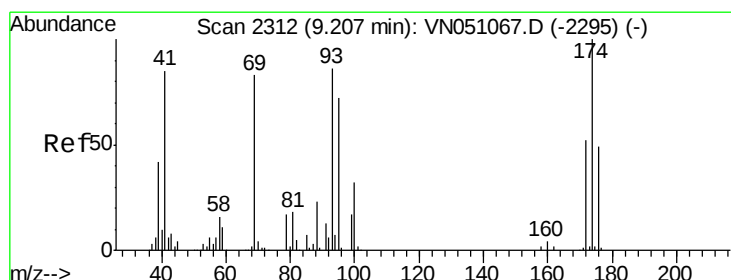
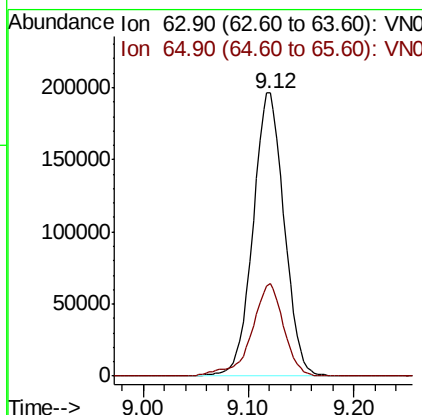
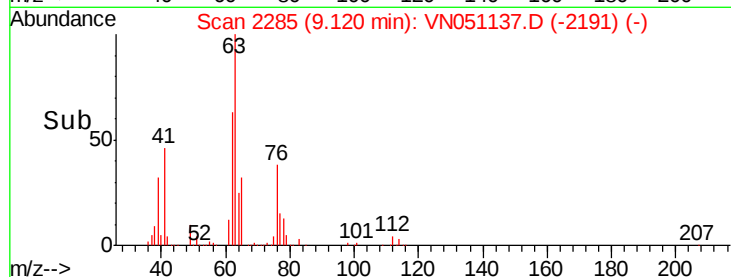
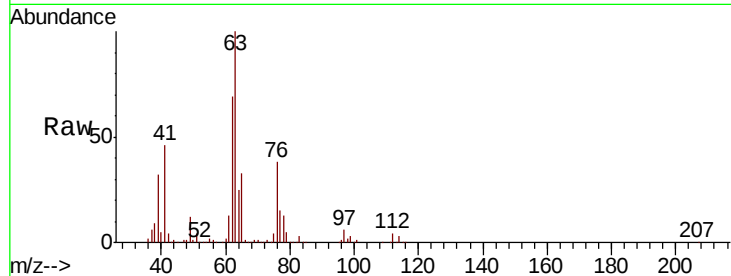
#45
 1,2-Dichloropropane
 Concen: 49.19 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 405060
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.7 37.1

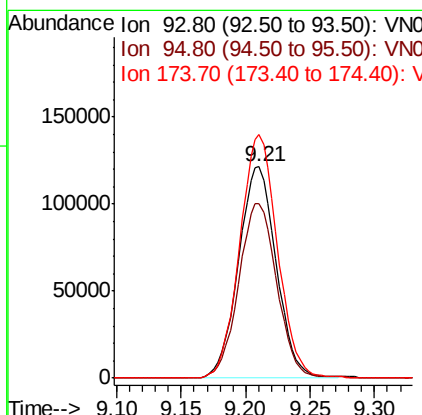
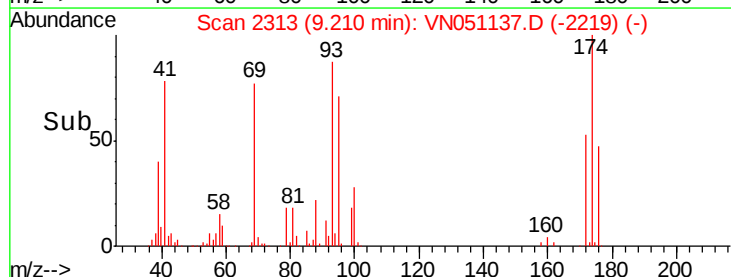
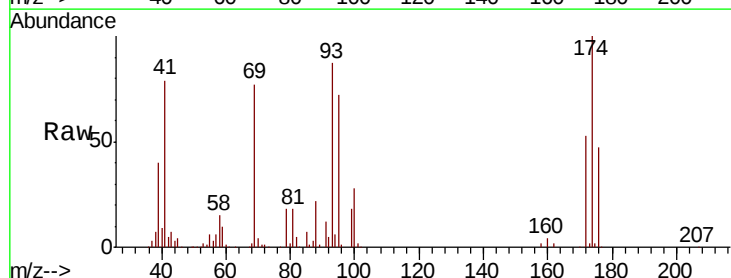
Manual Integrations
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#46
 Dibromomethane
 Concen: 49.32 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion: 93 Resp: 247802
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.8 100.2
 174 115.0 93.3 139.9





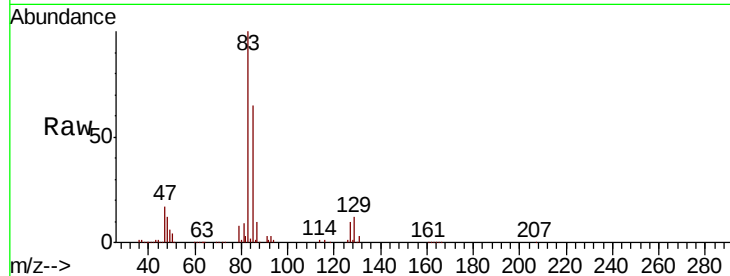
#47
Bromodichloromethane
Concen: 50.25 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

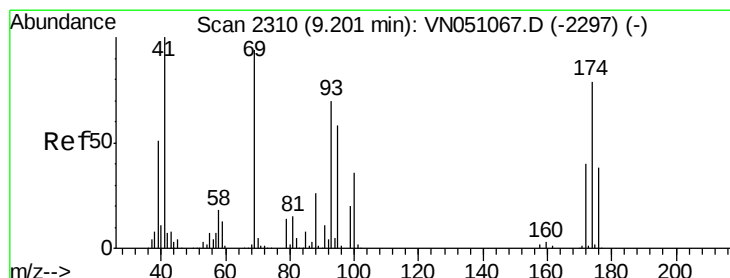
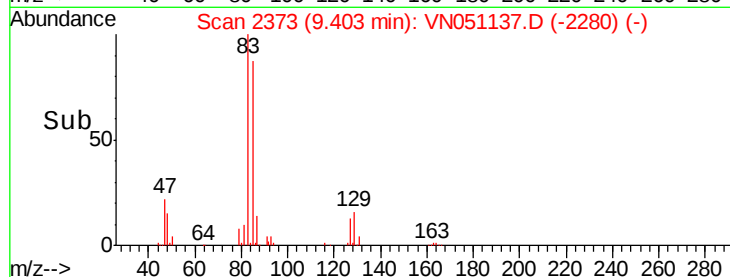
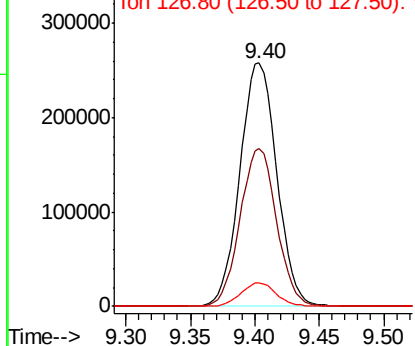
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.1	52.3	78.5	
127	9.6	7.5	11.3	

Manual Integrations
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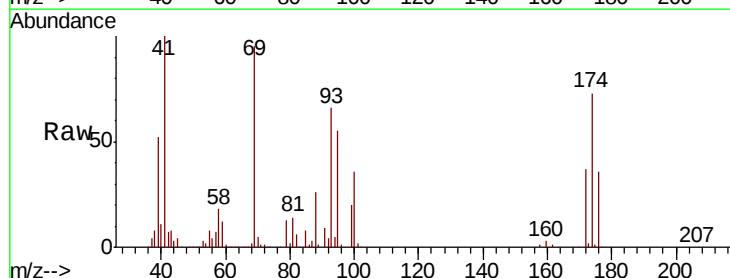


Abundance Ion 82.90 (82.60 to 83.60): VN051137.D (-2280) (-)
Ion 84.90 (84.60 to 85.60): VN051137.D (-2280) (-)
Ion 126.80 (126.50 to 127.50): VN051137.D (-2280) (-)

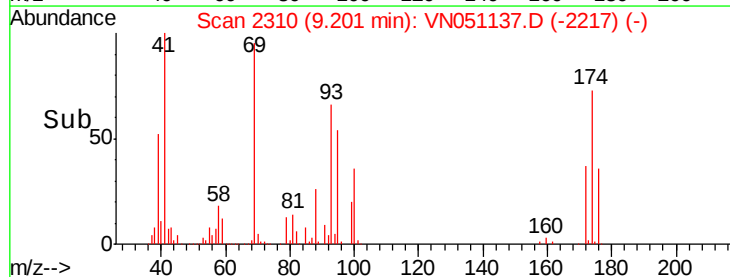
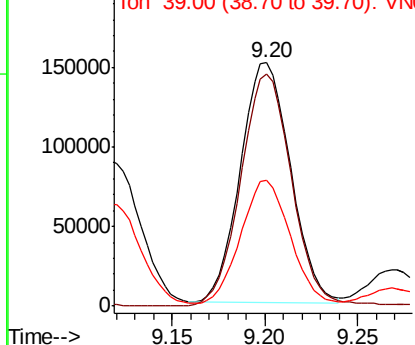


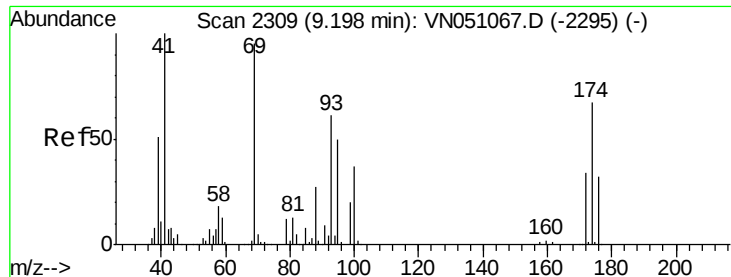
#48
Methyl methacrylate
Concen: 53.75 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	98.7	77.7	116.5	
39	52.7	41.6	62.4	



Abundance Ion 41.00 (40.70 to 41.70): VN051137.D (-2217) (-)
Ion 69.00 (68.70 to 69.70): VN051137.D (-2217) (-)
Ion 39.00 (38.70 to 39.70): VN051137.D (-2217) (-)





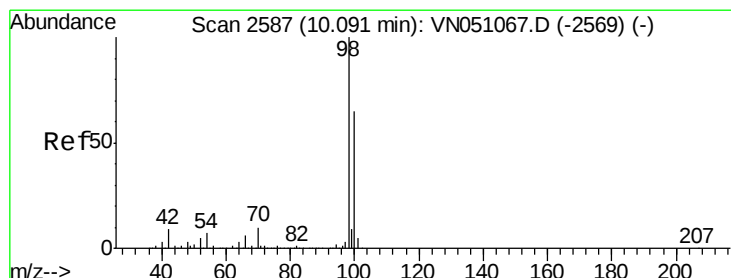
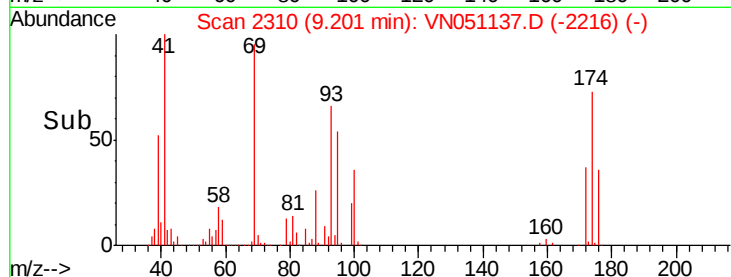
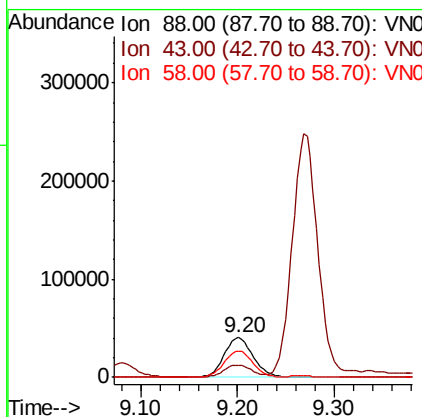
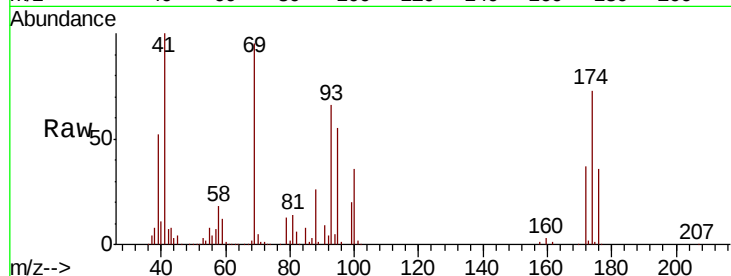
#49
1,4-Dioxane
Concen: 1031.71 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	85208
Ion Ratio	Lower	Upper	
88	100		
43	29.4	23.7	35.5
58	65.4	54.6	82.0

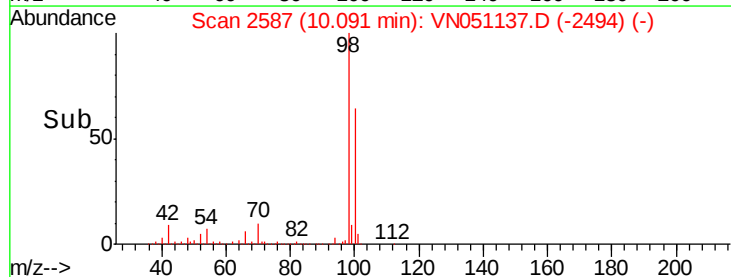
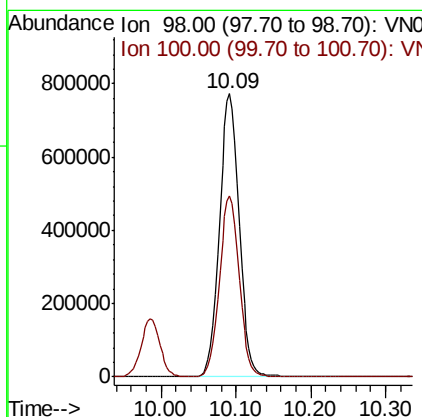
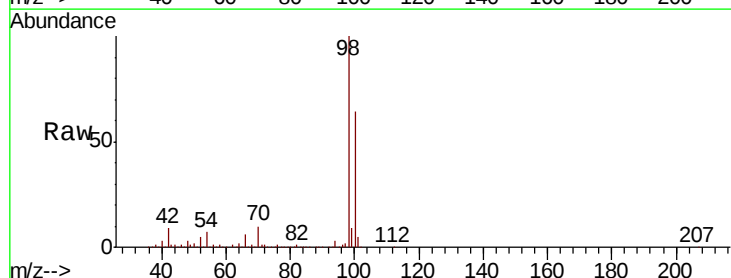
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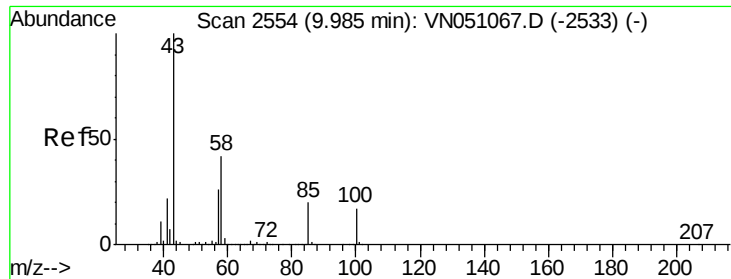
MMDadoda
9/13/2018 5:20:04 PM



#50
Toluene-d8
Concen: 51.30 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	98	Resp	1409146
Ion Ratio	Lower	Upper	
98	100		
100	64.0	52.0	78.0





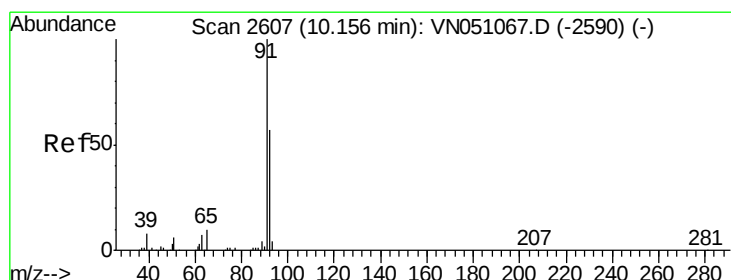
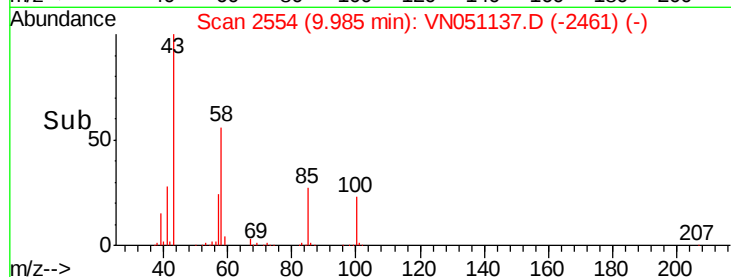
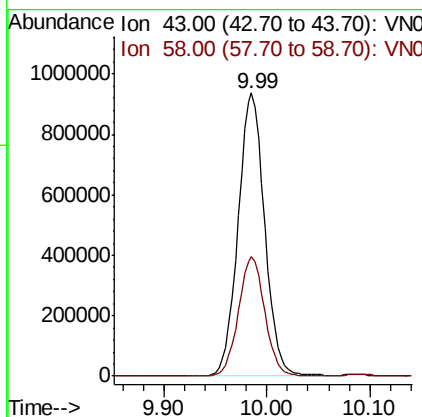
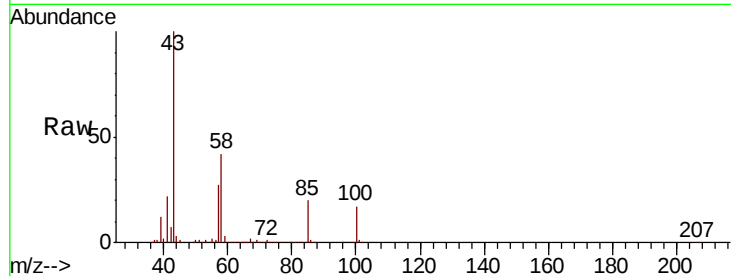
#51
4-Methyl-2-Pentanone
Concen: 280.80 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 1678222
Ion Ratio Lower Upper
43 100
58 41.8 33.5 50.3

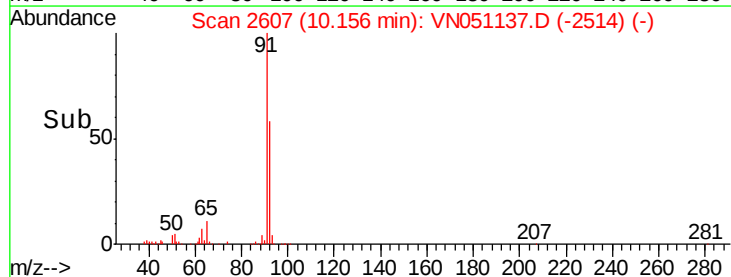
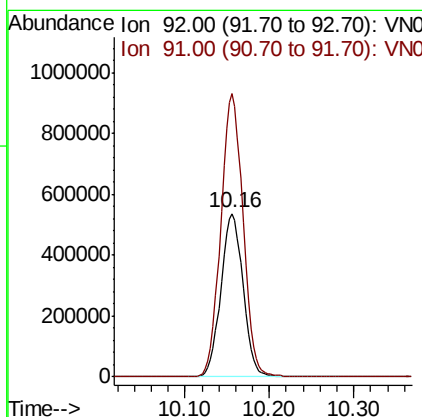
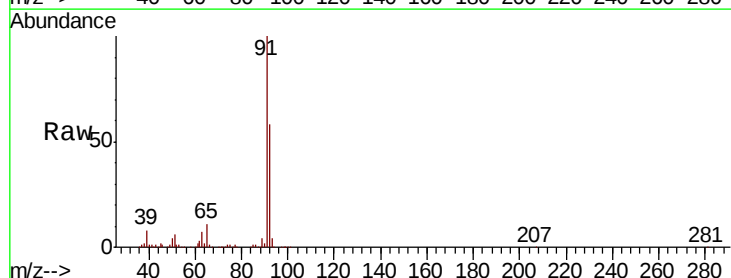
Manual Integrations
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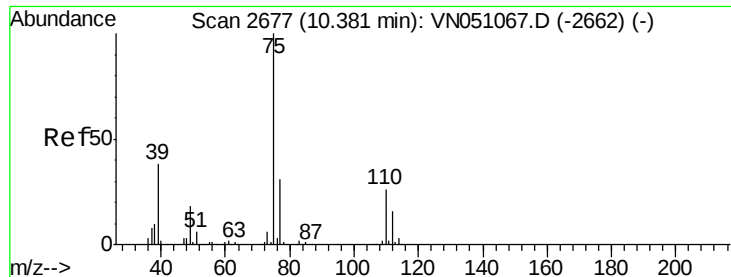
MMDadoda
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#52
Toluene
Concen: 50.37 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion: 92 Resp: 978845
Ion Ratio Lower Upper
92 100
91 173.9 139.5 209.3





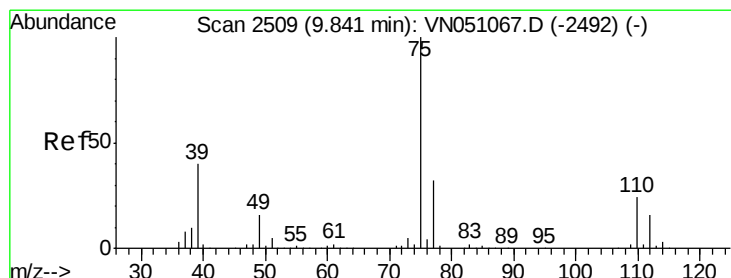
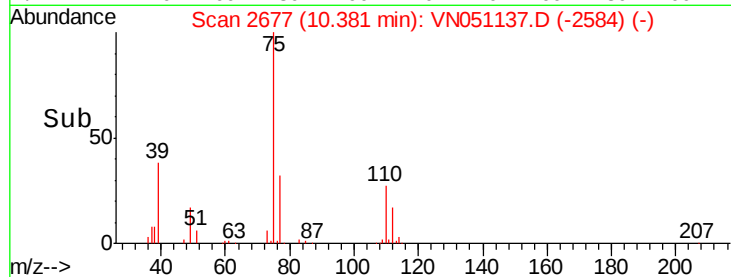
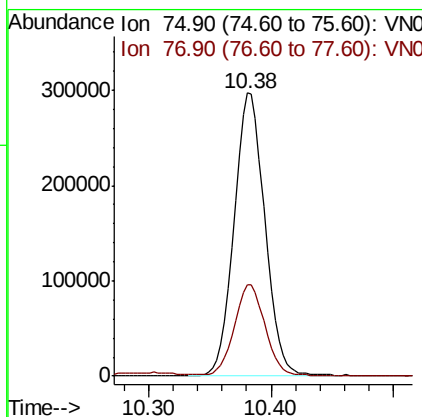
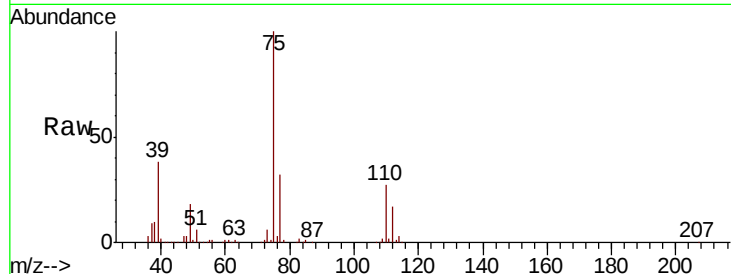
#53
 t-1,3-Dichloropropene
 Concen: 50.82 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 519583
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9

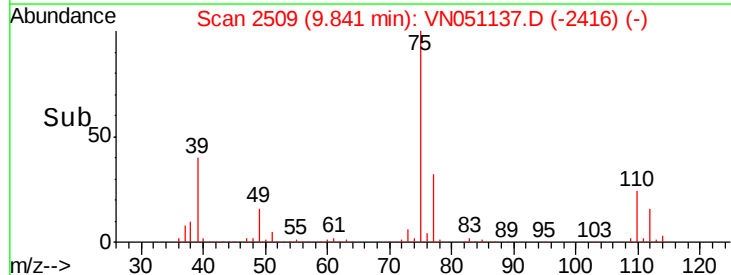
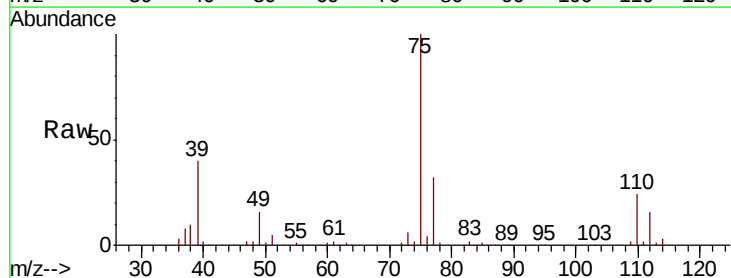
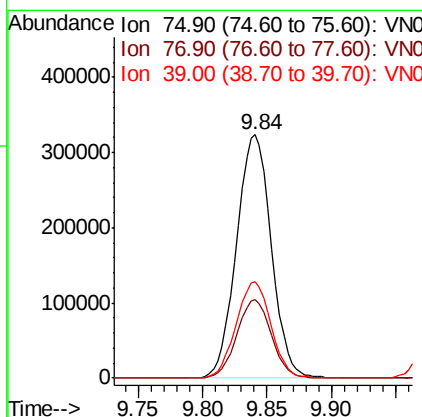
Manual Integrations
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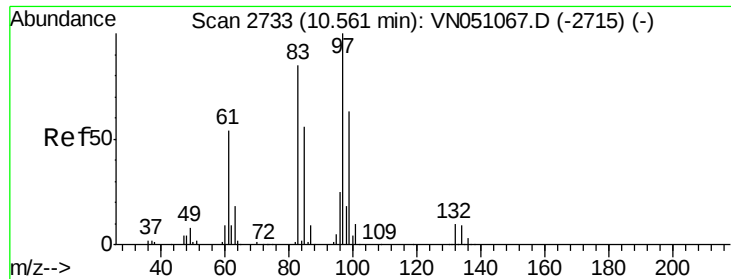
MMDadoda
 9/13/2018 5:20:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.65 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion: 75 Resp: 607168
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5
 39 39.8 31.9 47.9





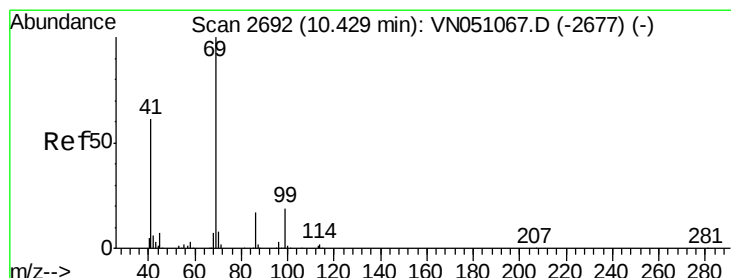
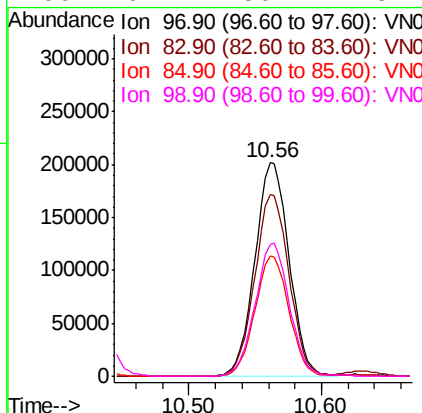
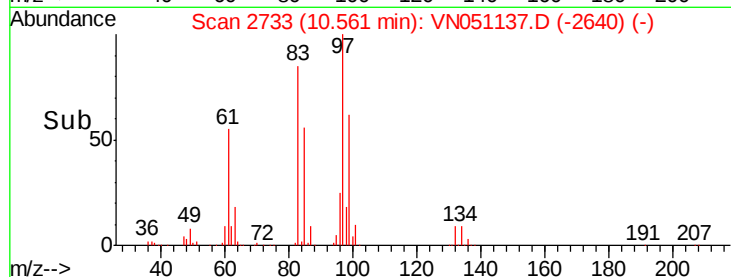
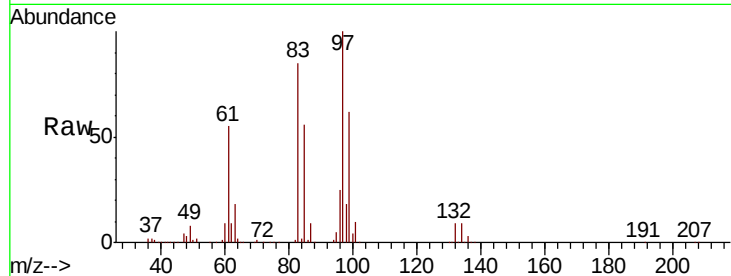
#55
 1,1,2-Trichloroethane
 Concen: 51.20 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	361424
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.2	102.2
85	56.1	44.8	67.2
99	61.7	50.2	75.4

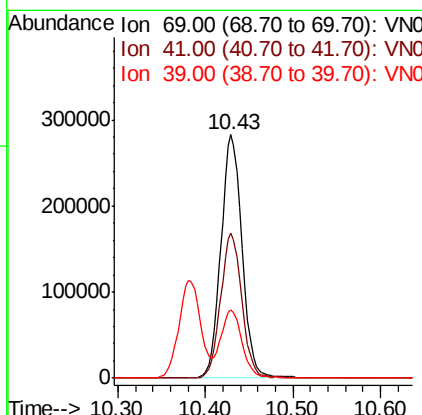
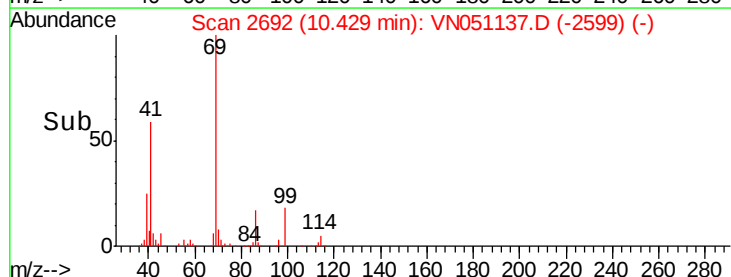
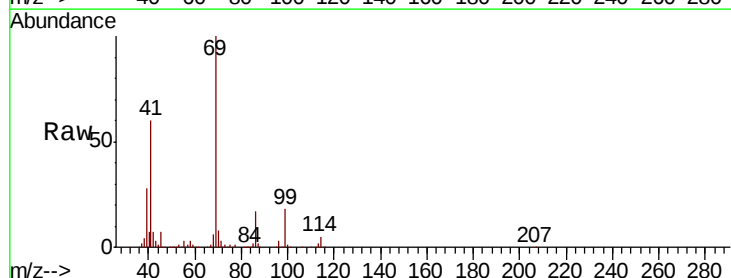
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 50.10 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion:	69	Resp:	474666
Ion	Ratio	Lower	Upper
69	100		
41	59.1	47.8	71.8
39	28.4	23.0	34.4





#57

1,3-Dichloropropane

Concen: 50.82 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 594742

Ion Ratio Lower Upper

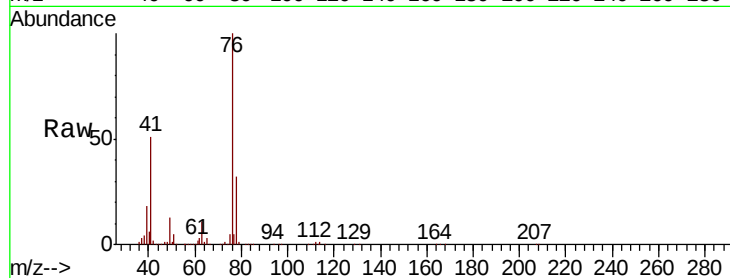
76 100

78 32.1 26.1 39.1

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Abundance Ion 75.90 (75.60 to 76.60): VN051067.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051067.D (-2763) (-)

10.71

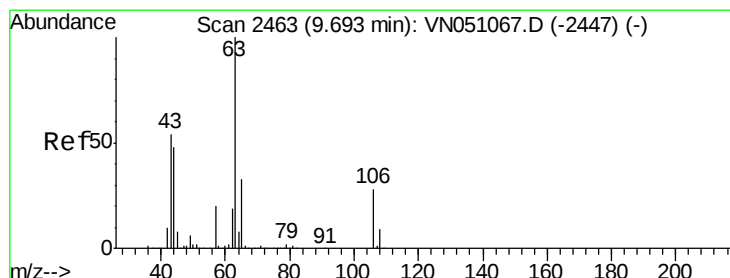
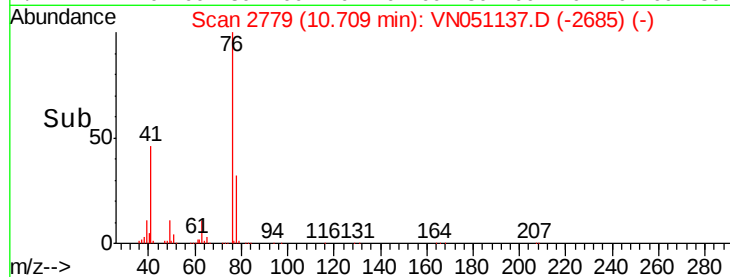
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 234.53 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051137.D

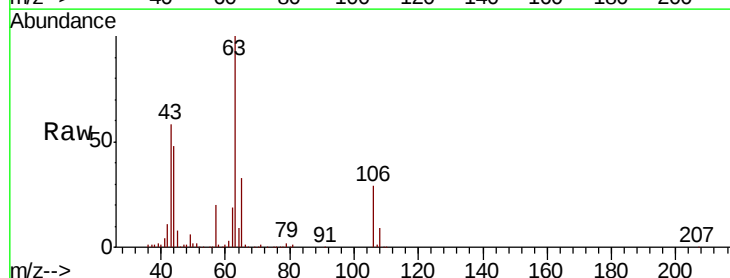
Acq: 12 Sep 2018 8:31

Tgt Ion: 63 Resp: 929912

Ion Ratio Lower Upper

63 100

106 28.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN051067.D (-2447) (-)

9.70

600000

500000

400000

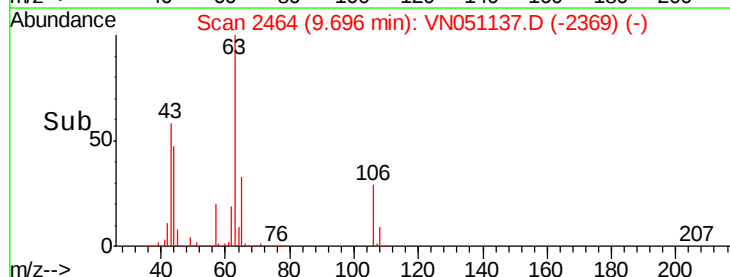
300000

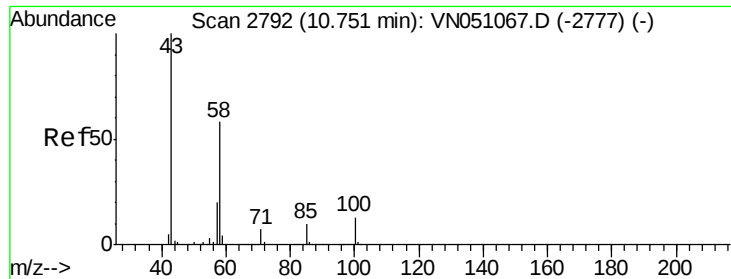
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100000

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Time-->





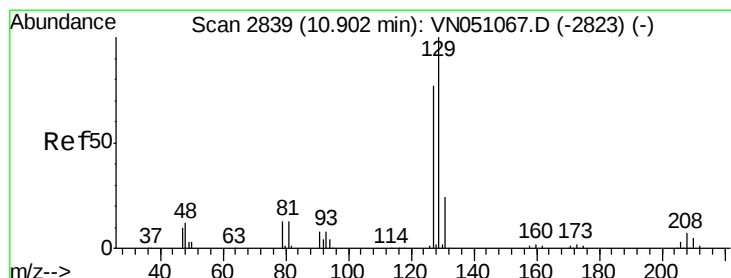
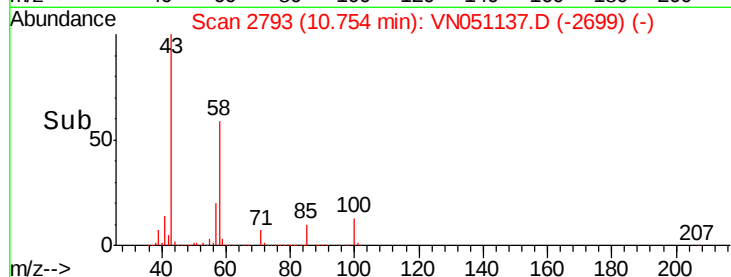
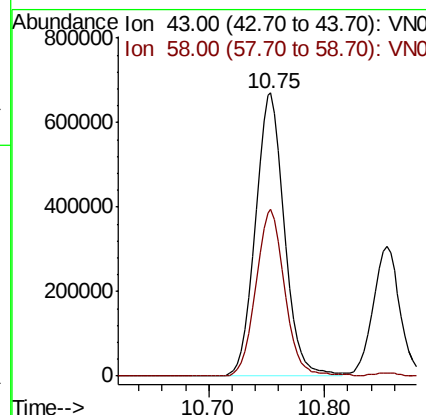
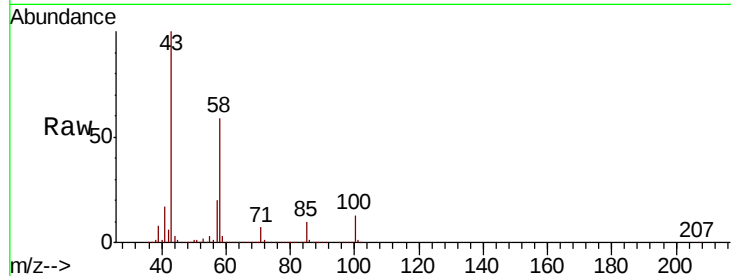
#59
2-Hexanone
Concen: 288.62 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1169841
Ion Ratio Lower Upper
43 100
58 58.7 29.3 88.0

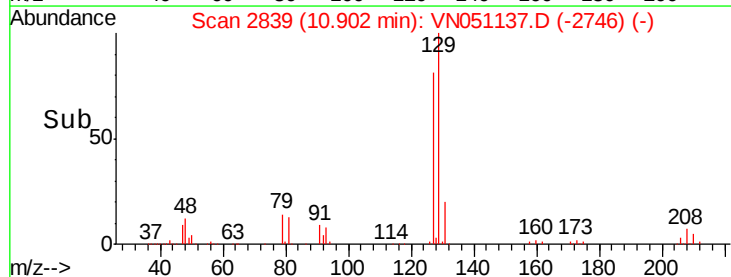
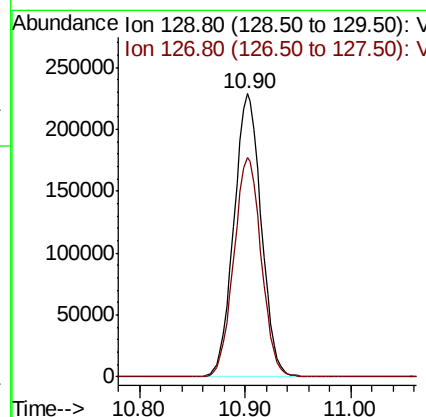
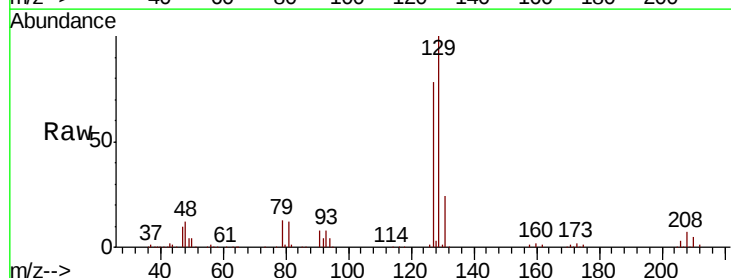
Manual Integrations
APPROVED

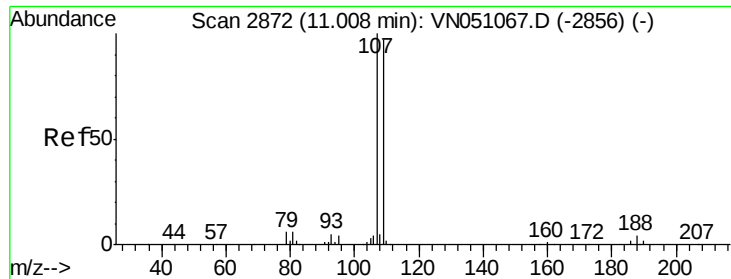
MMDadoda
9/13/2018 5:20:04 PM



#60
Dibromochloromethane
Concen: 51.55 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion: 129 Resp: 410162
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





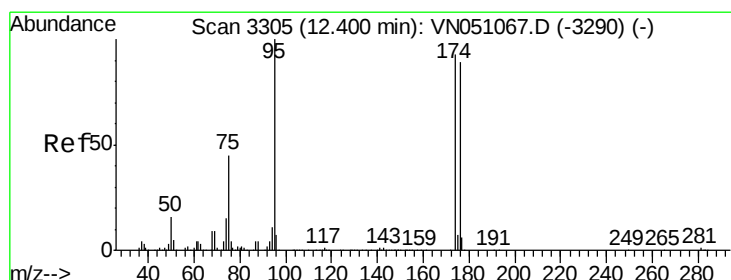
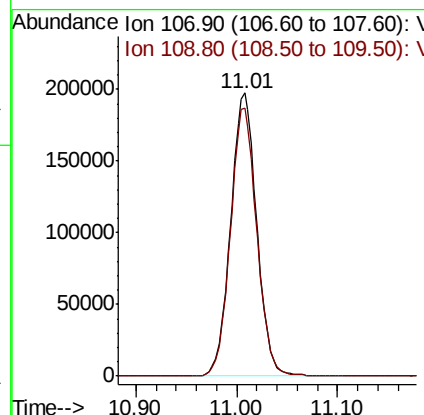
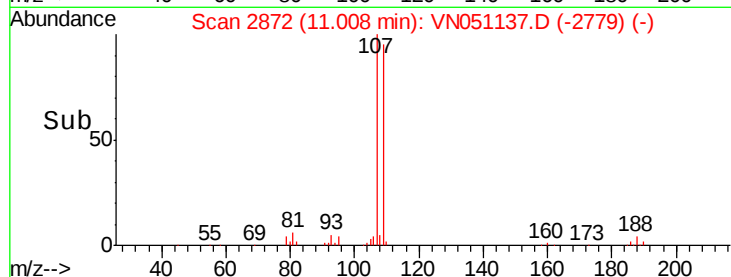
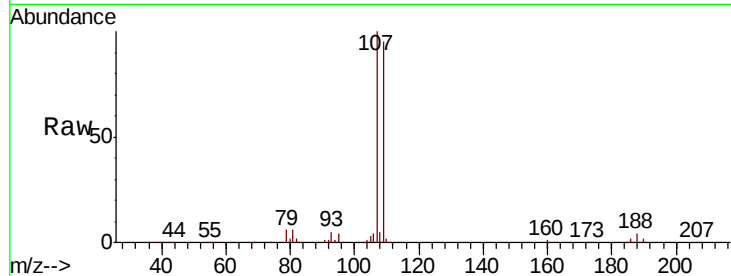
#61
 1,2-Dibromoethane
 Concen: 51.63 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.0	114.0

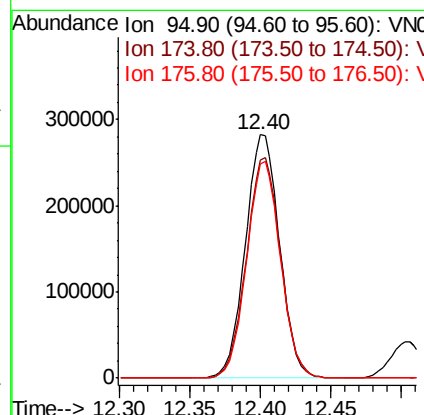
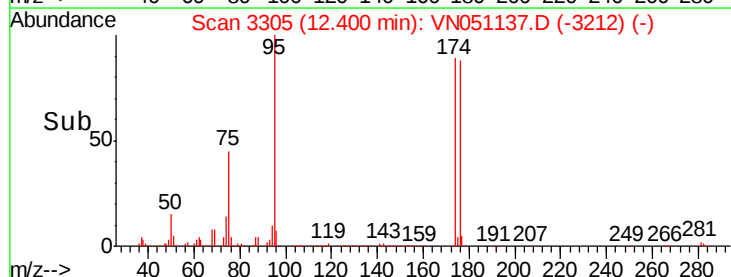
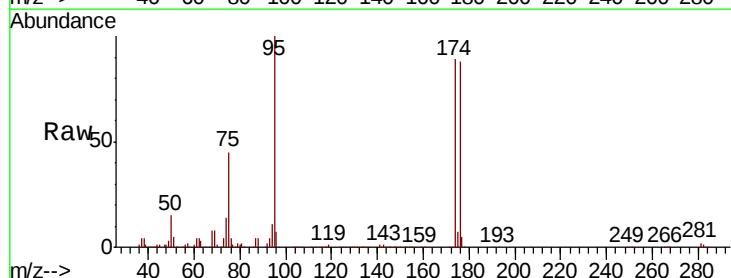
Manual Integrations
 APPROVED

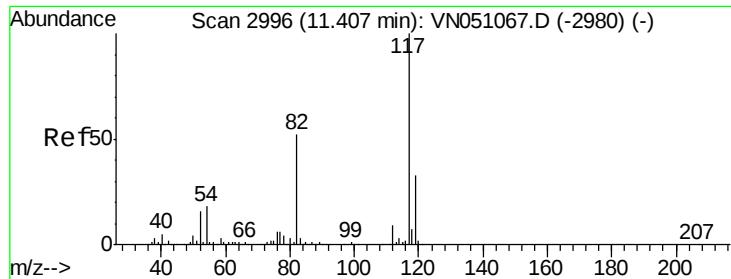
MMDadoda
 9/13/2018 5:20:04 PM



#62
 4-Bromofluorobenzene
 Concen: 52.80 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	0.0	184.8
176	88.2	0.0	178.6





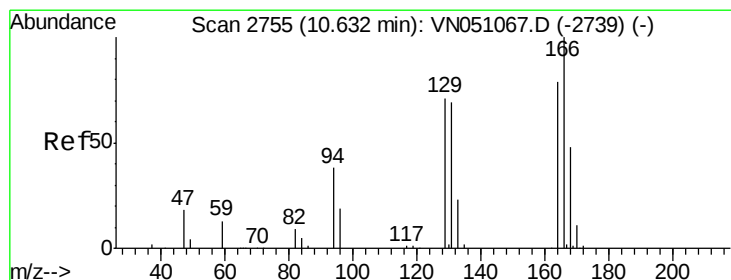
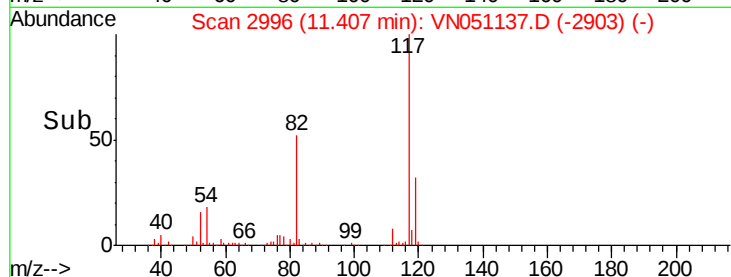
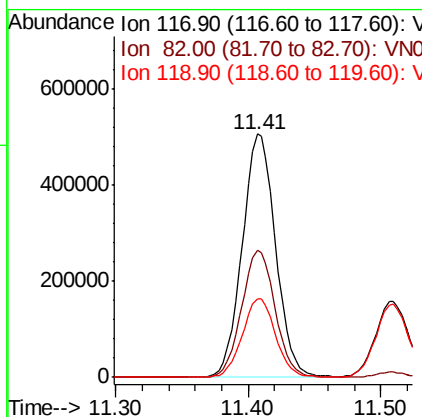
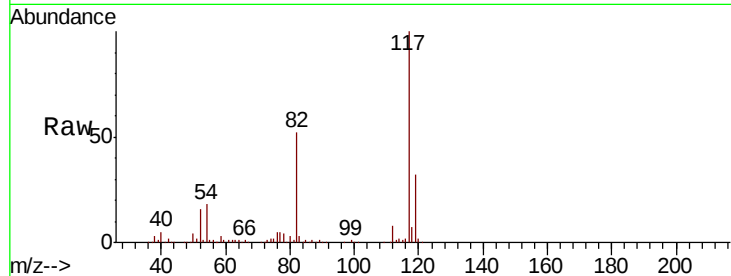
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	882785		
82	52.0		41.8	62.6
119	32.5		26.2	39.2

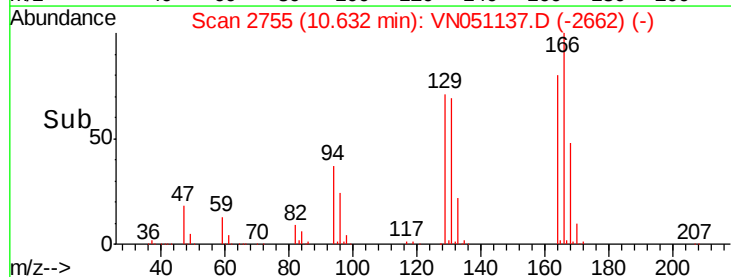
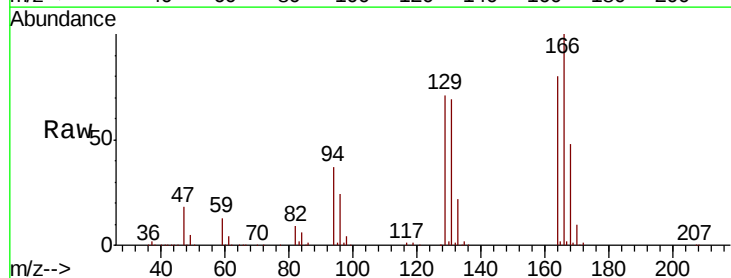
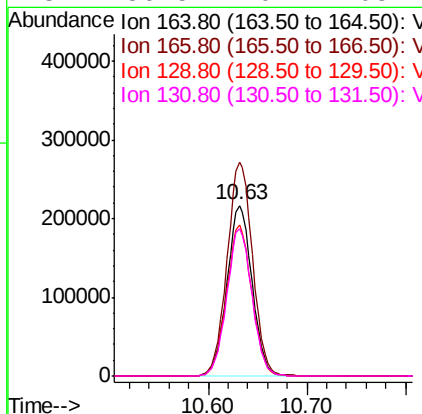
Manual Integrations
APPROVED

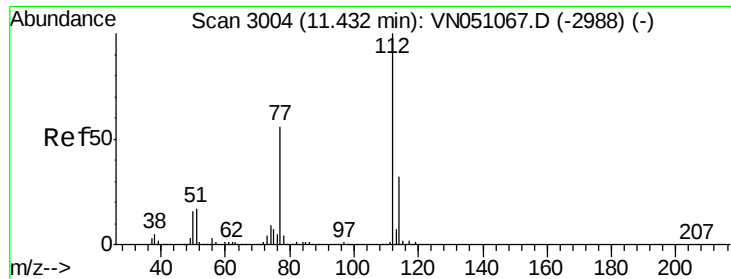
MMDadoda
9/13/2018 5:20:04 PM



#64
Tetrachloroethene
Concen: 47.98 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	386482		
166	125.3		101.3	151.9
129	88.4		72.2	108.2
131	86.5		70.2	105.2





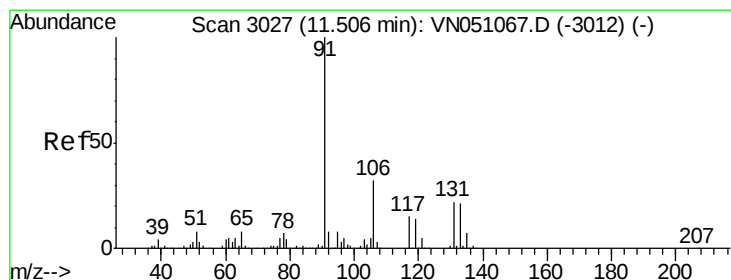
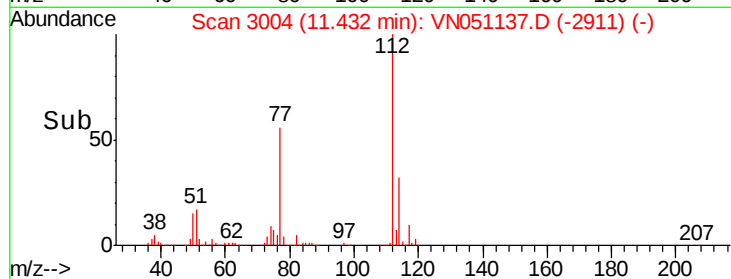
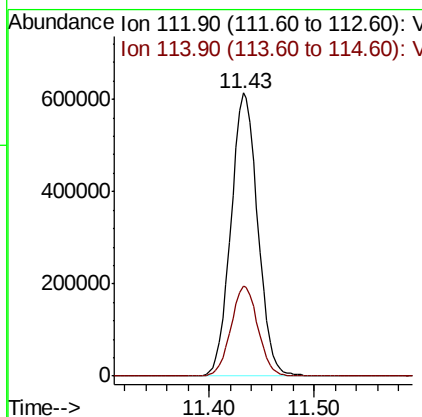
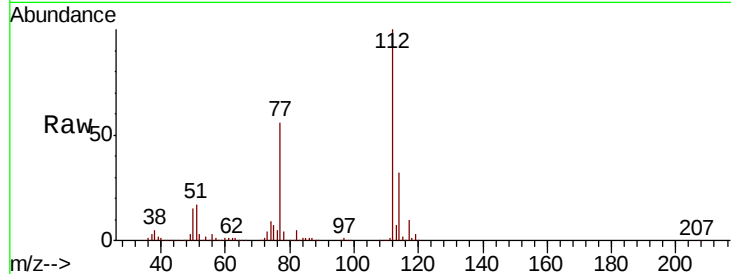
#65
Chlorobenzene
Concen: 48.41 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1077216
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

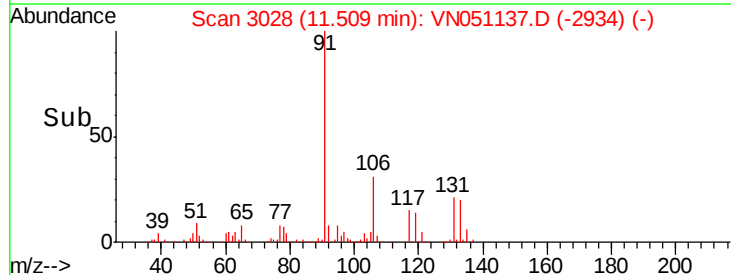
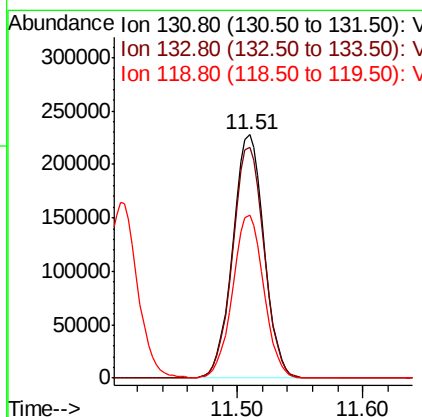
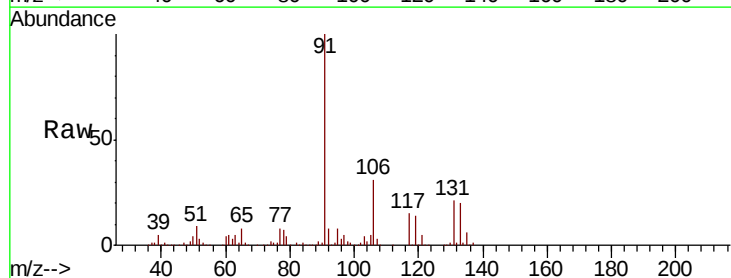
Manual Integrations
APPROVED

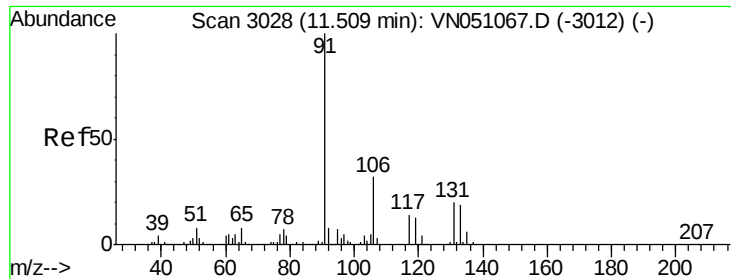
MMDadoda
9/13/2018 5:20:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.38 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion:131 Resp: 395639
Ion Ratio Lower Upper
131 100
133 95.5 47.5 142.6
119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 50.70 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1827014

Ion Ratio Lower Upper

91 100

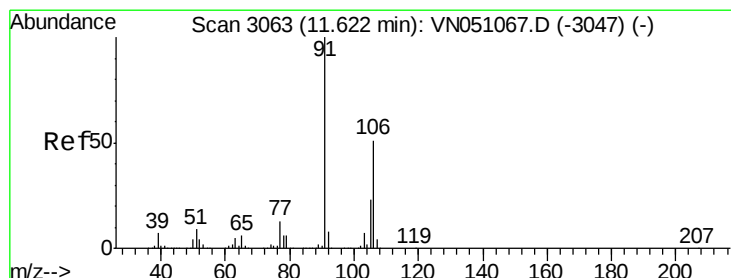
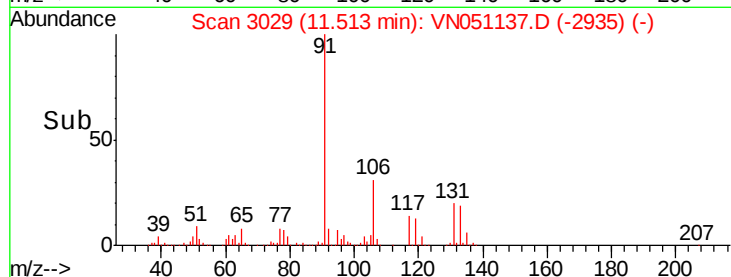
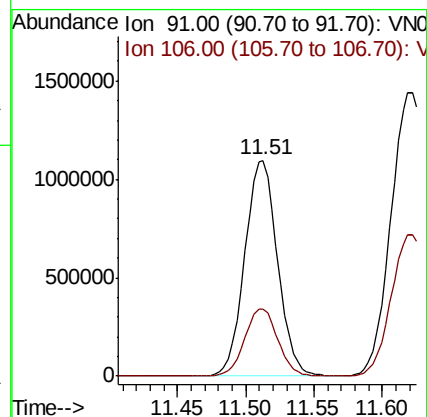
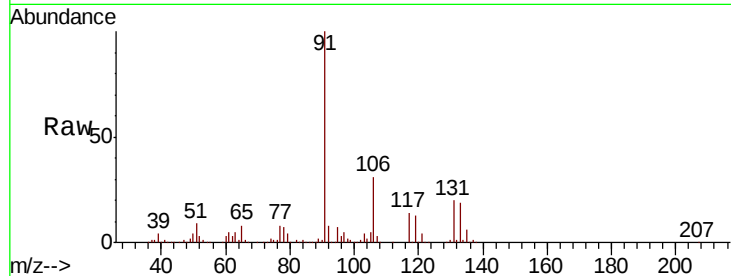
106 31.4 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

9/13/2018 5:20:04 PM



#68

m/p-Xylenes

Concen: 102.97 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051137.D

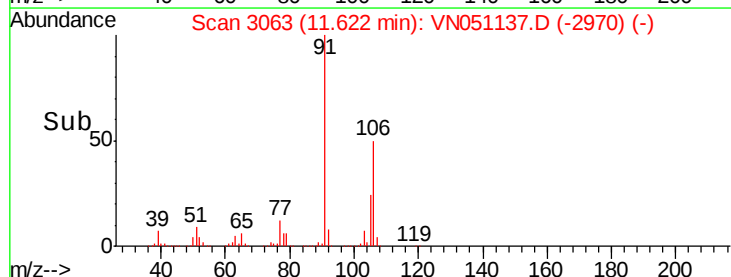
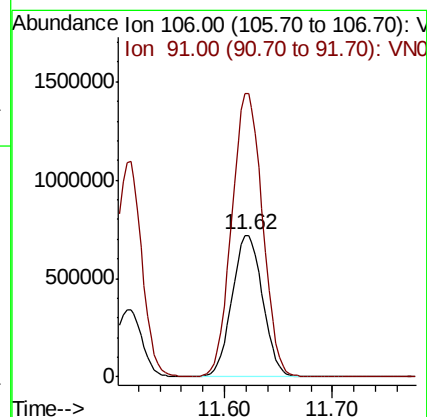
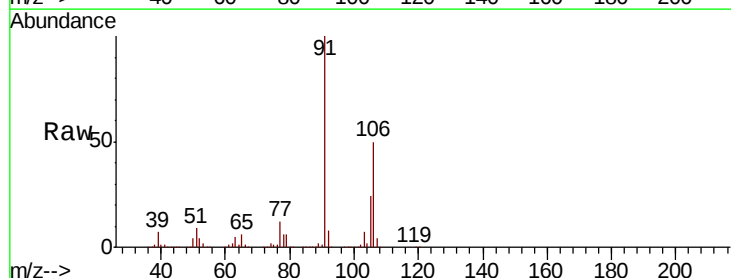
Acq: 12 Sep 2018 8:31

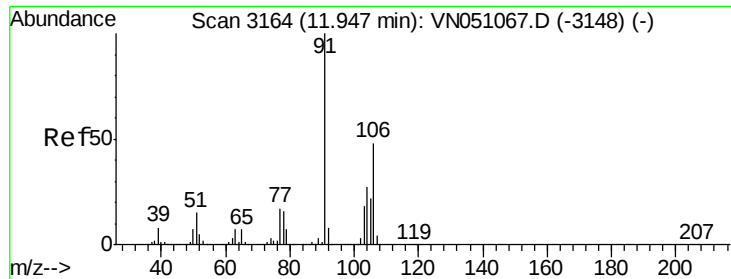
Tgt Ion: 106 Resp: 1425727

Ion Ratio Lower Upper

106 100

91 200.6 159.8 239.6





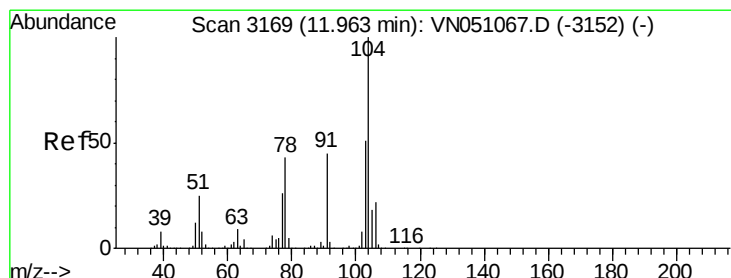
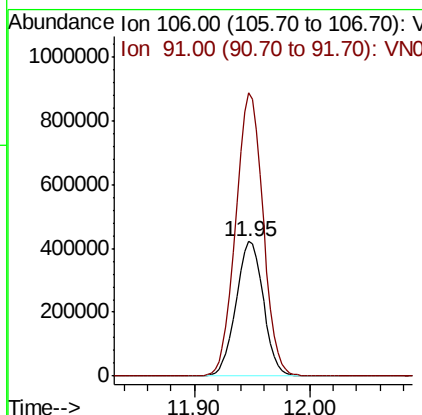
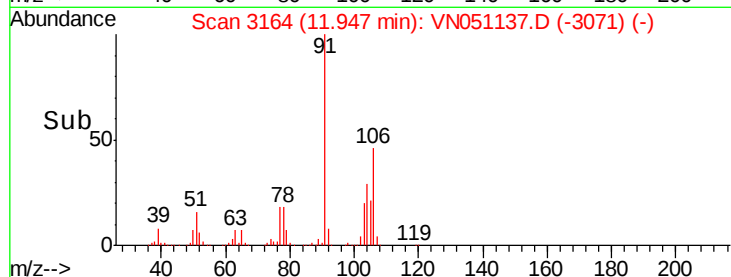
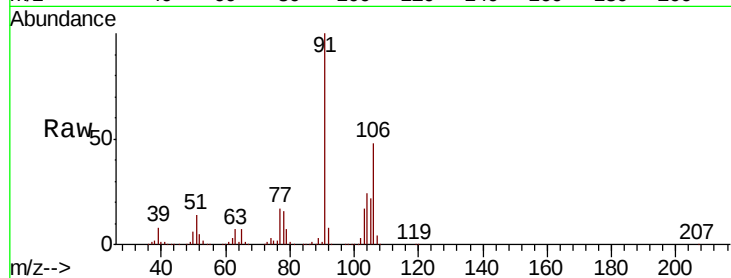
#69
o-Xylene
Concen: 51.25 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 687180
Ion Ratio Lower Upper
106 100
91 210.3 105.1 315.1

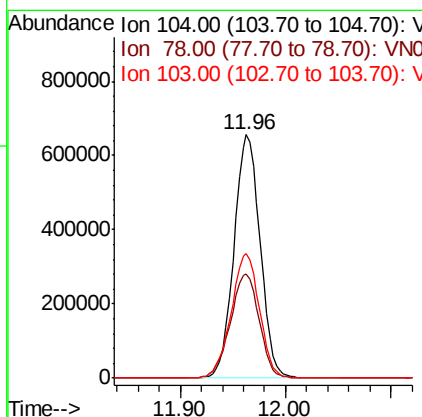
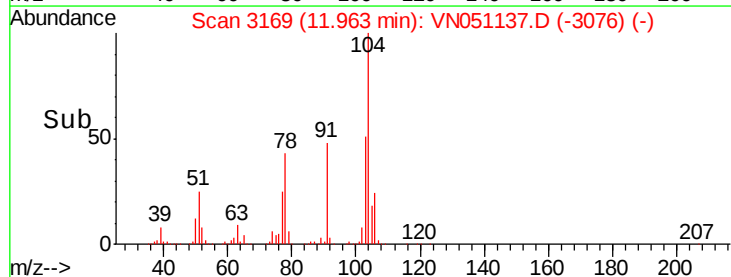
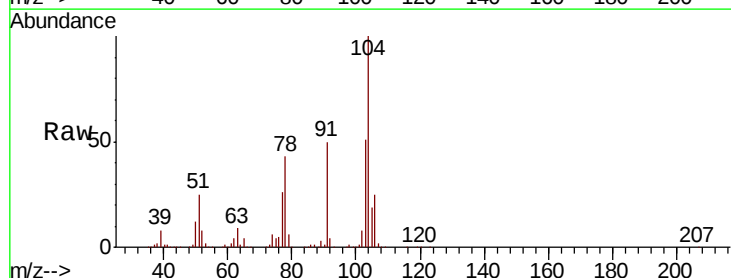
Manual Integrations
APPROVED

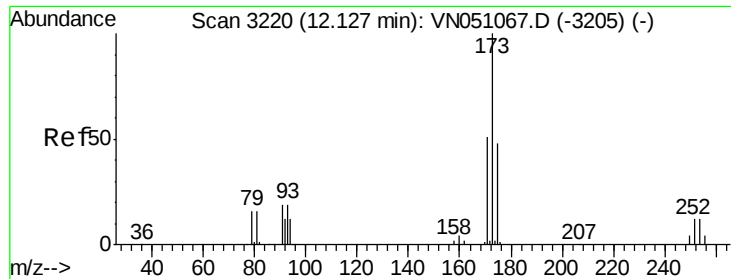
MMDadoda
9/13/2018 5:20:04 PM



#70
Styrene
Concen: 54.07 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion:104 Resp: 1124501
Ion Ratio Lower Upper
104 100
78 47.4 37.7 56.5
103 55.2 44.6 67.0





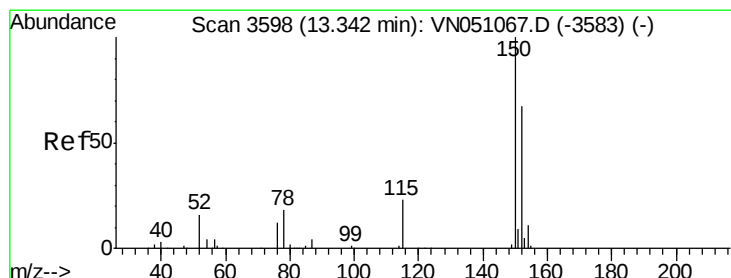
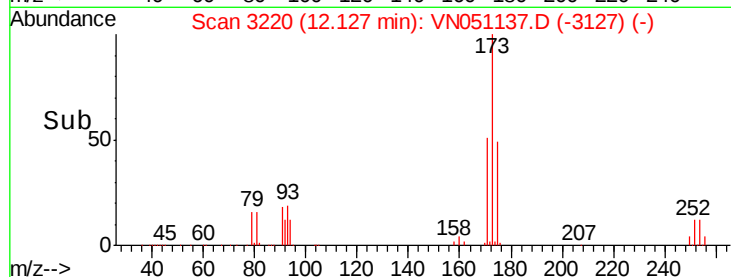
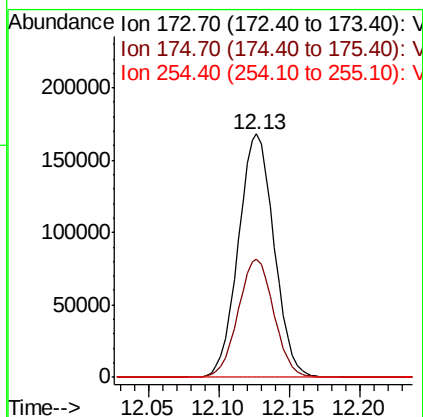
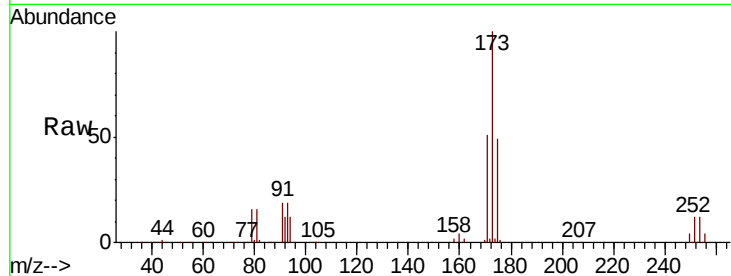
#71
Bromoform
Concen: 52.84 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.9
254	0.2	0.0	0.0

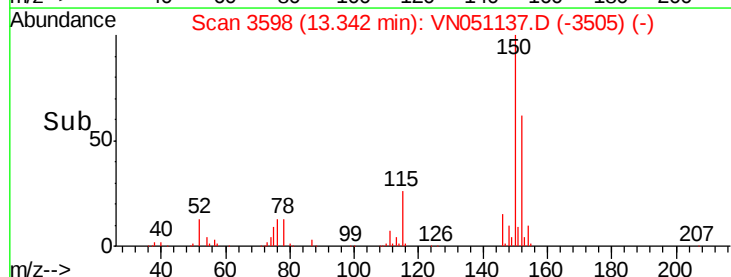
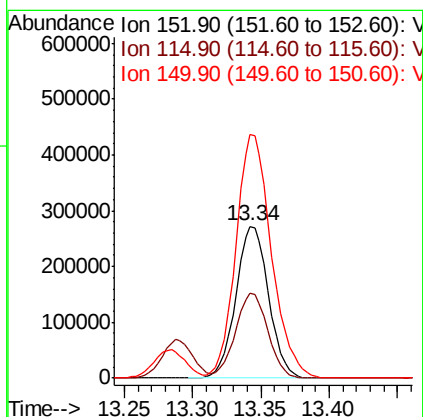
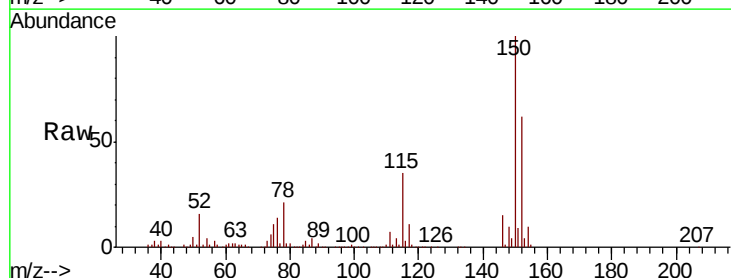
Manual Integrations
APPROVED

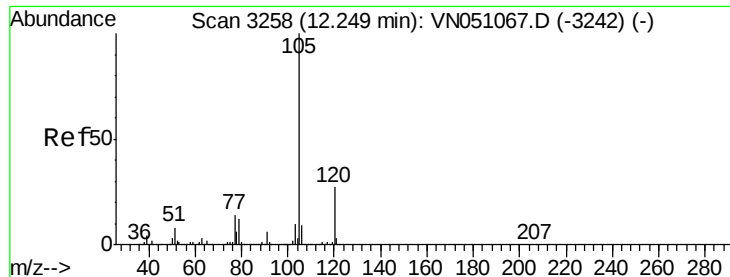
MMDadoda
9/13/2018 5:20:04 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.2	84.7
150	174.6	0.0	349.0





#73

Isopropylbenzene

Concen: 48.42 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1829823

Ion Ratio Lower Upper

105 100

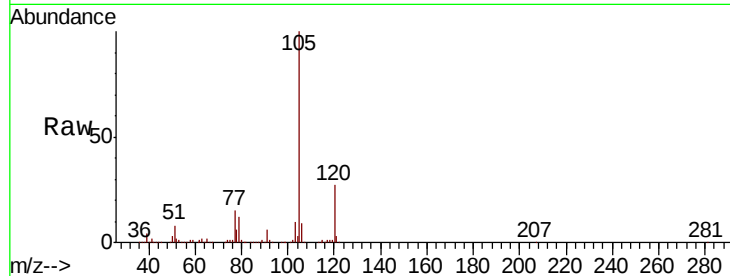
120 27.0 13.6 40.7

Manual Integrations

APPROVED

MMDadoda

9/13/2018 5:20:04 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

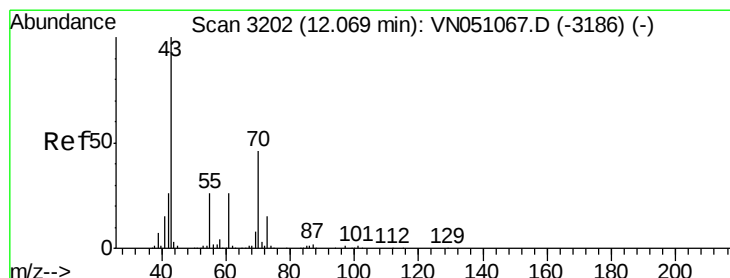
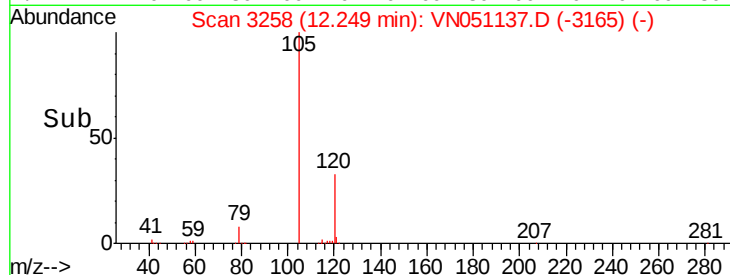
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 51.16 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion: 43 Resp: 486619

Ion Ratio Lower Upper

43 100

70 47.4 37.0 55.4

55 26.9 21.3 31.9

61 26.6 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

500000

400000

300000

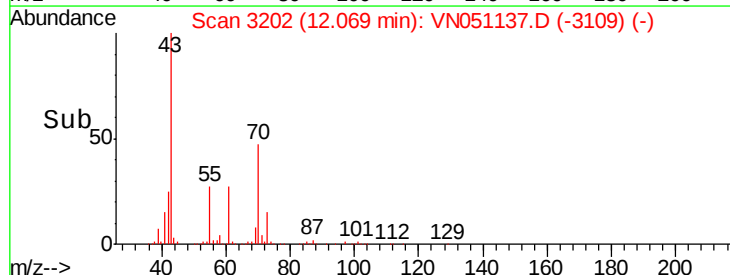
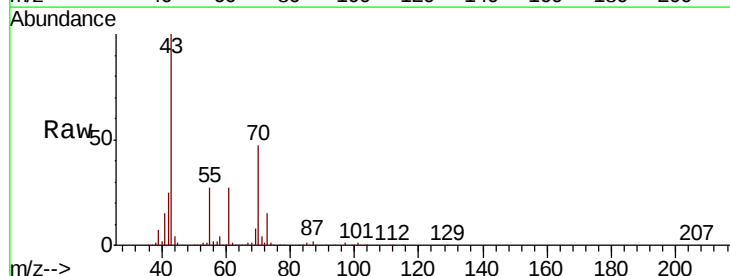
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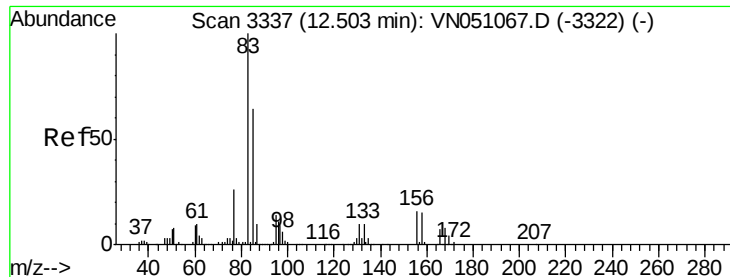
100000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 54.17 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 468557
Ion Ratio Lower Upper

83 100

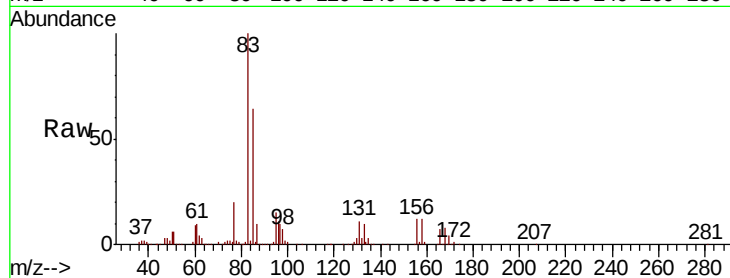
131 11.0 5.3 16.1

85 64.3 32.3 96.8

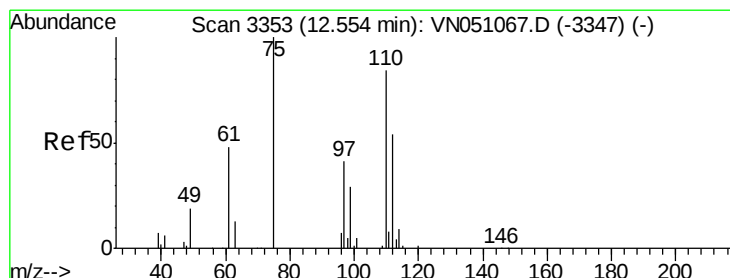
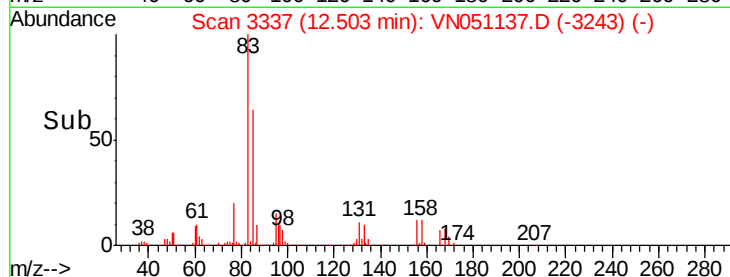
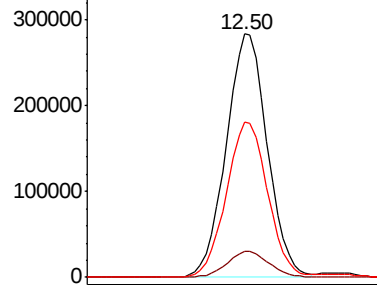
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 57.11 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

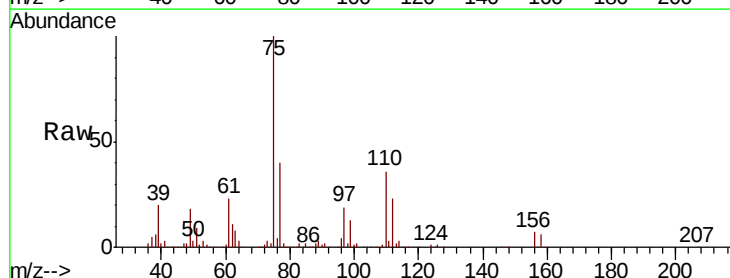
Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

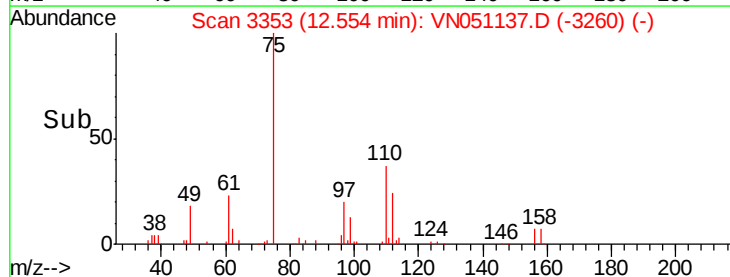
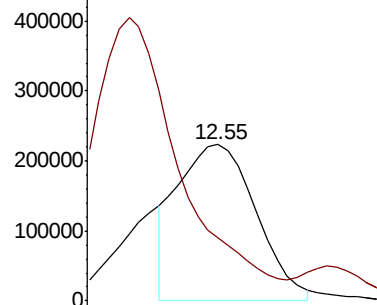
Tgt Ion: 75 Resp: 397527
Ion Ratio Lower Upper

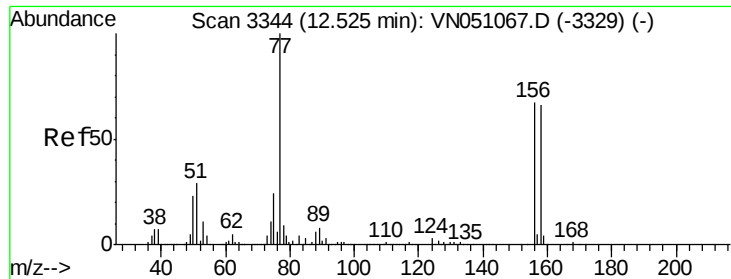
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.10 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

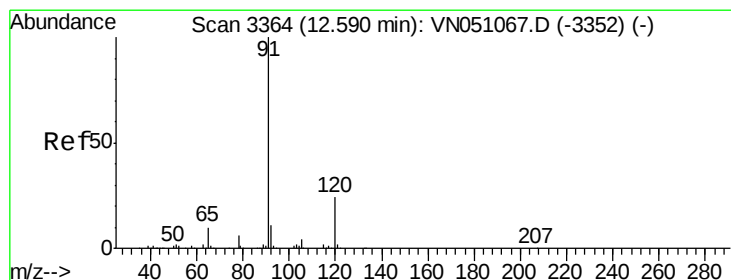
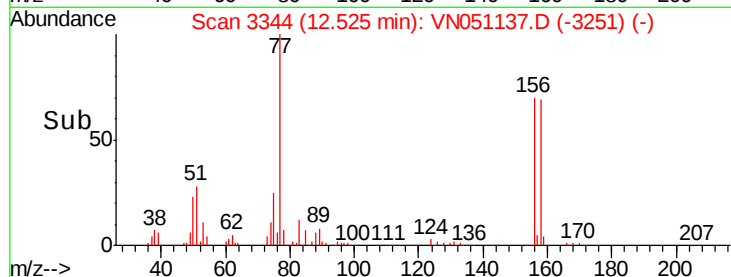
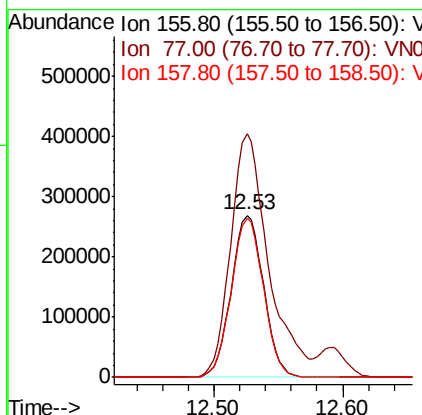
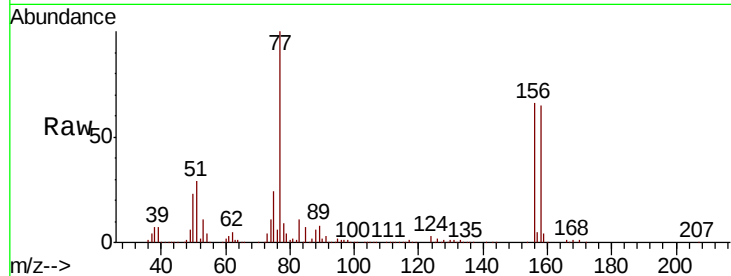
ClientSampled :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		468004		
77	176.8	87.5	262.6		
158	98.1	49.0	147.2		

Manual Integrations
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#78

n-propylbenzene

Concen: 49.29 ug/l

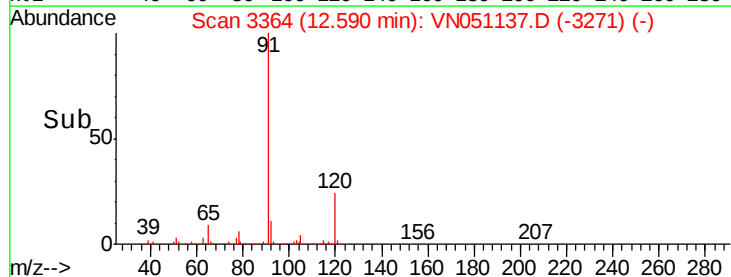
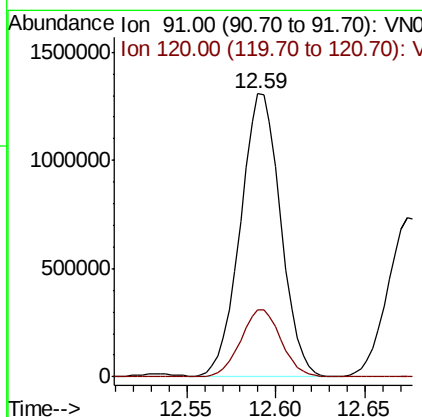
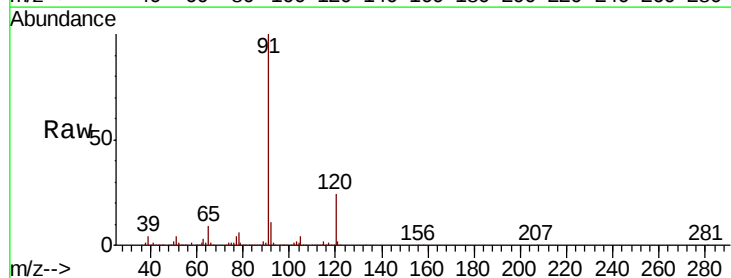
RT: 12.59 min Scan# 3364

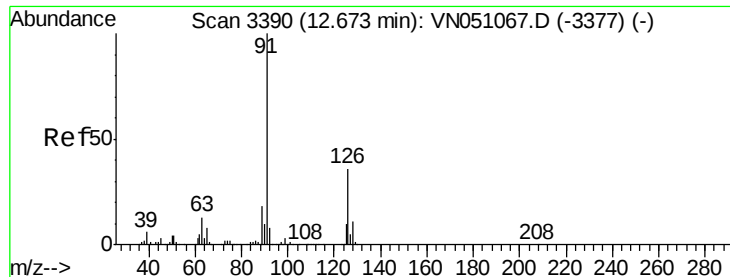
Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2047685		
120	23.9	12.0	36.0		





#79

2-Chlorotoluene

Concen: 47.07 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1222255

Ion Ratio Lower Upper

91 100

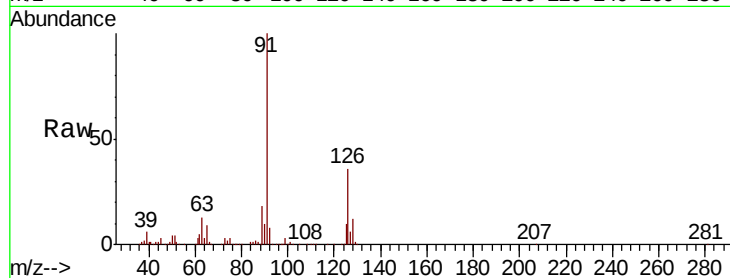
126 36.3 17.9 53.7

Manual Integrations

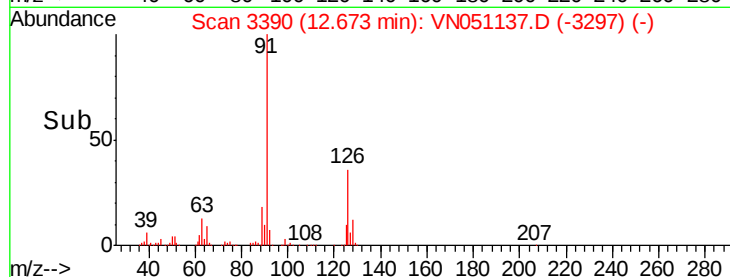
APPROVED

MMDadoda

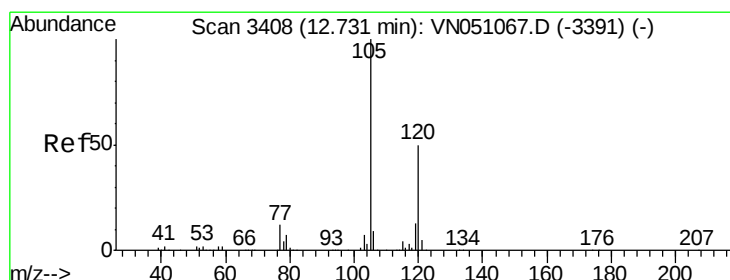
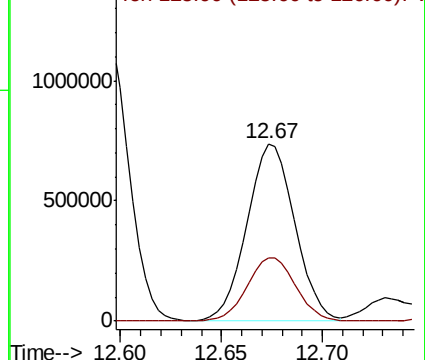
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Abundance Ion 91.00 (90.70 to 91.70): VN051137.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN051137.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.16 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051137.D

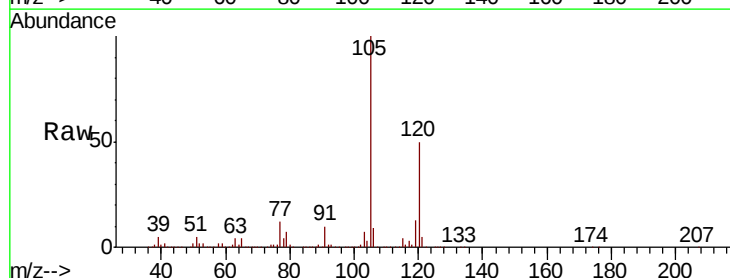
Acq: 12 Sep 2018 8:31

Tgt Ion: 105 Resp: 1502014

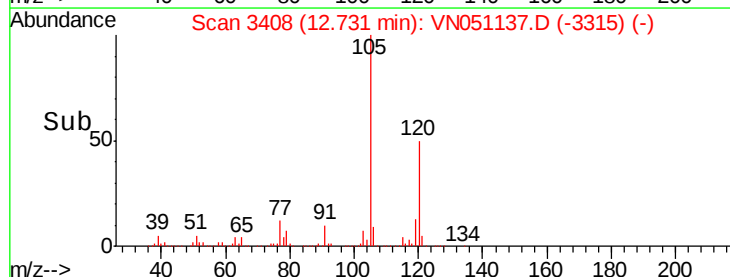
Ion Ratio Lower Upper

105 100

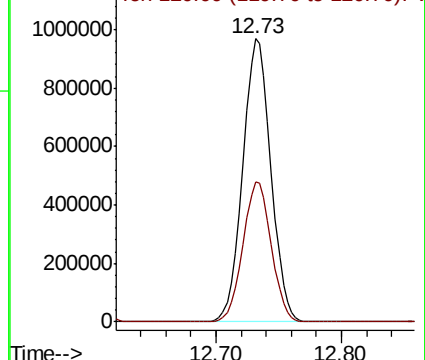
120 50.1 24.9 74.6

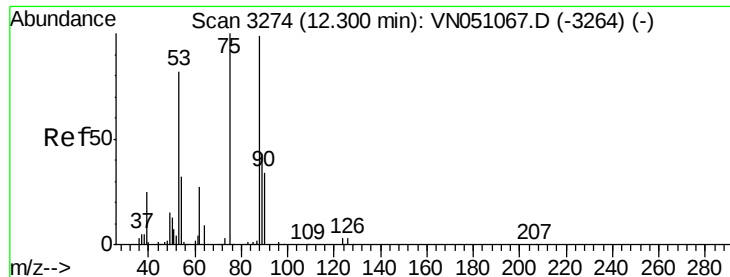


Abundance Ion 105.00 (104.70 to 105.70): VN051137.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN051137.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.99 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 120992

Ion Ratio Lower Upper

75 100

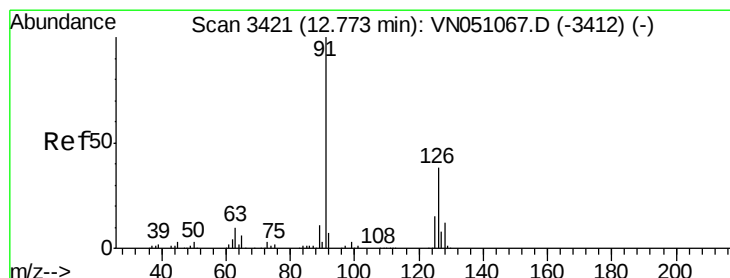
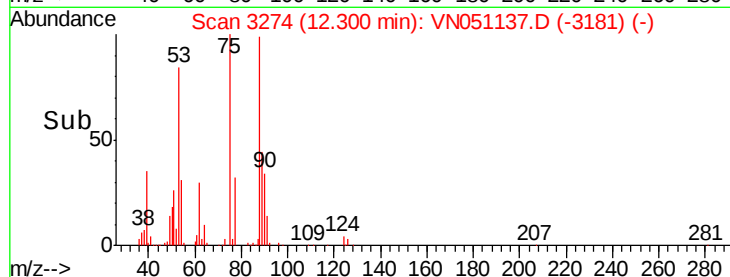
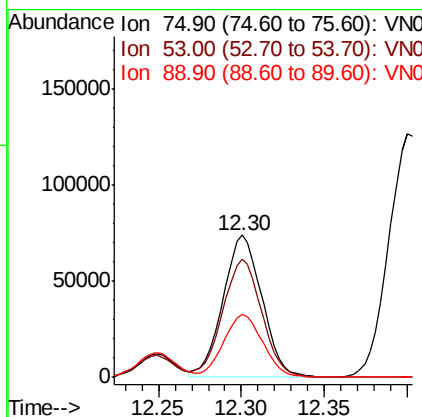
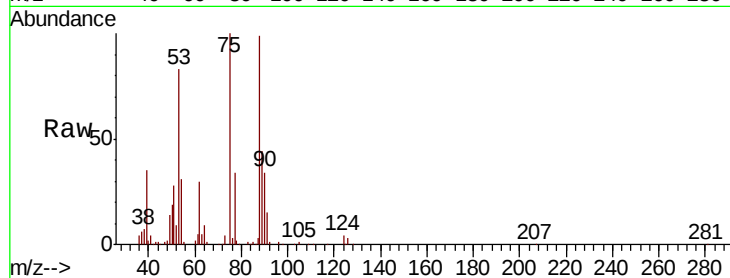
53 83.9 67.8 101.8

89 44.7 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.65 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051137.D

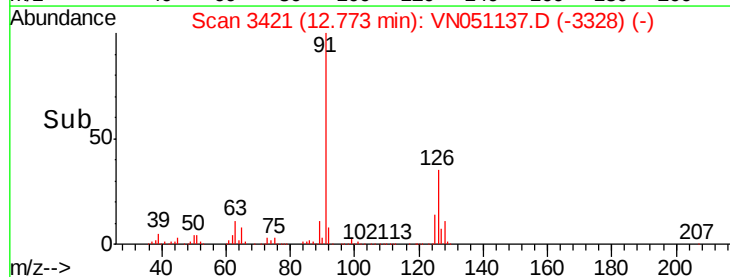
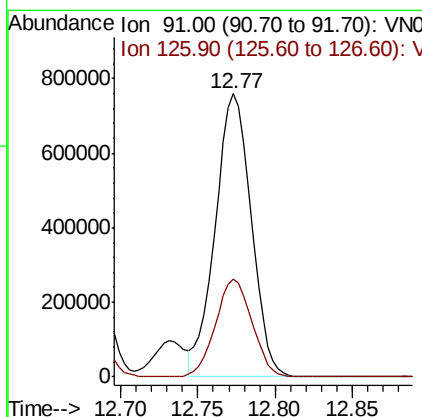
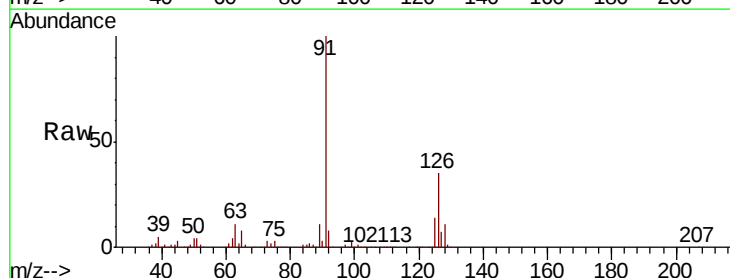
Acq: 12 Sep 2018 8:31

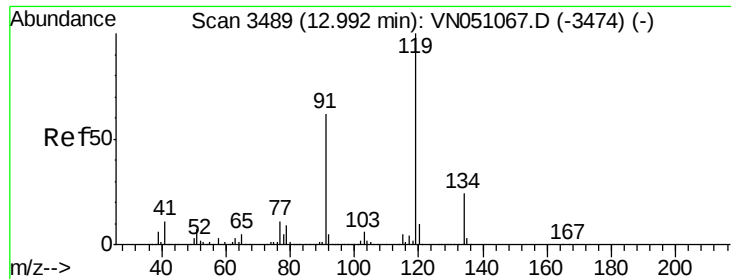
Tgt Ion: 91 Resp: 1227990

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.8





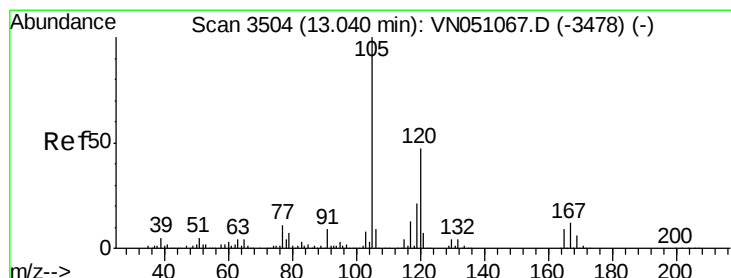
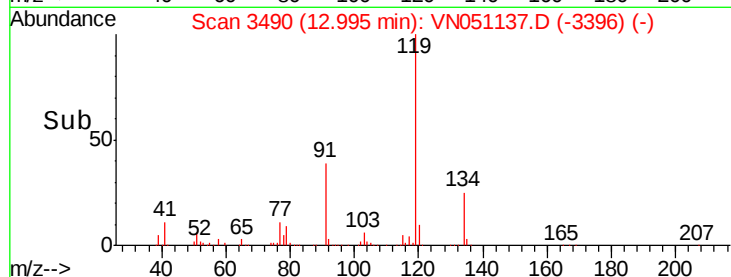
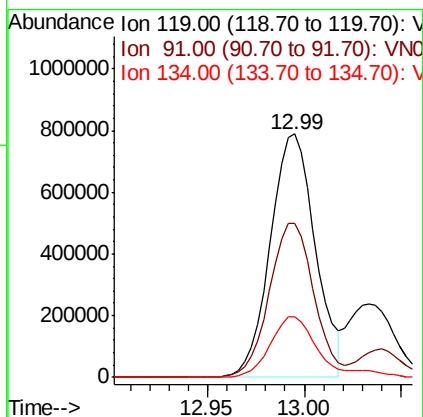
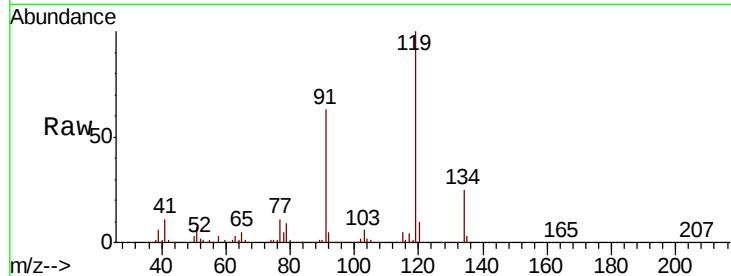
#83
tert-Butylbenzene
Concen: 47.33 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.8	92.3
134	25.2	13.2	39.6

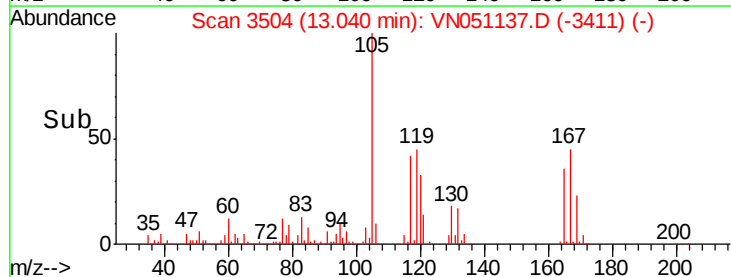
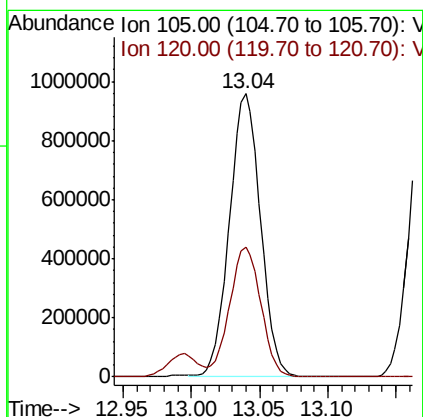
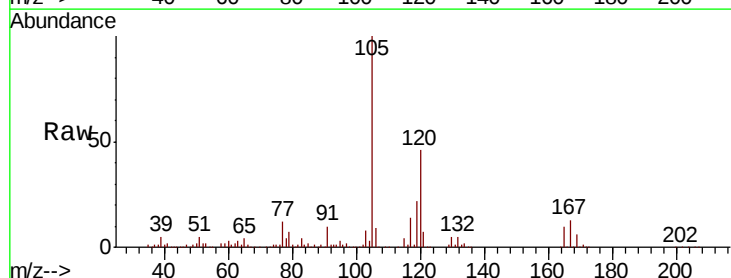
Manual Integrations
APPROVED

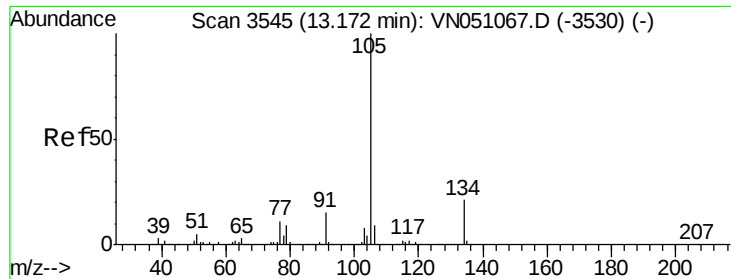
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.45 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.8





#85

sec-Butylbenzene

Concen: 49.02 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1695992

Ion Ratio Lower Upper

105 100

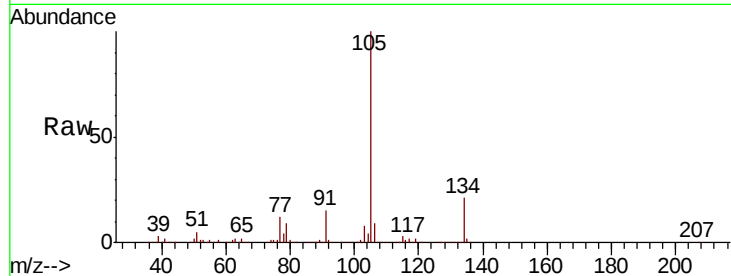
134 20.7 10.4 31.4

Manual Integrations

APPROVED

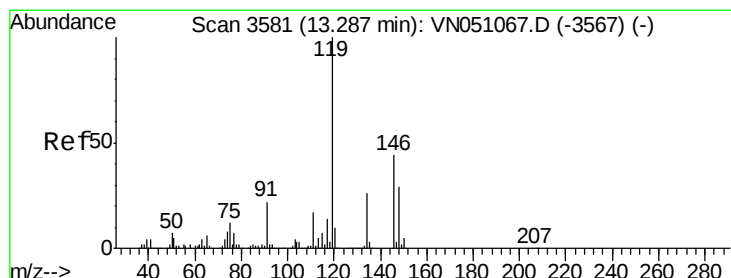
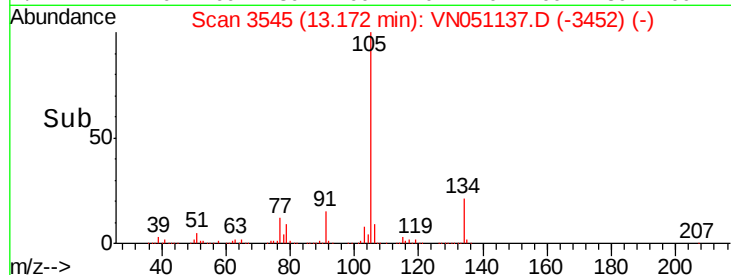
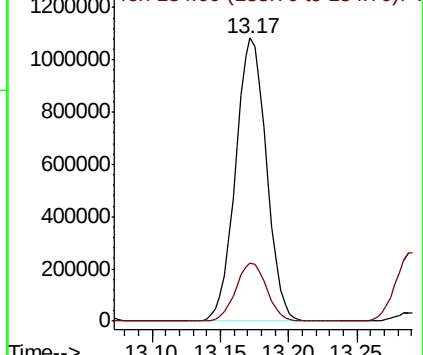
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.06 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

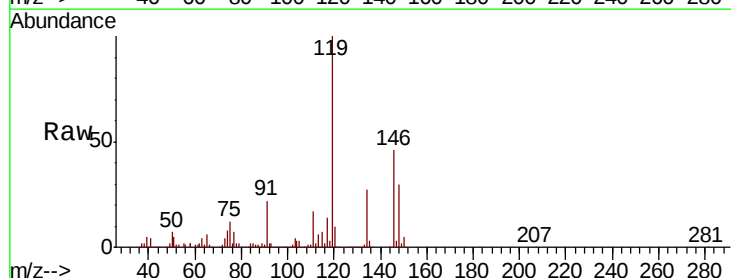
Tgt Ion:119 Resp: 1497594

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

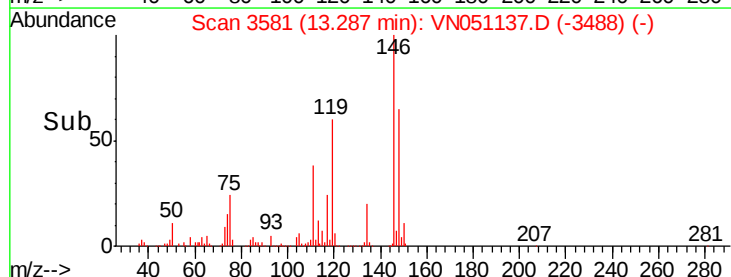
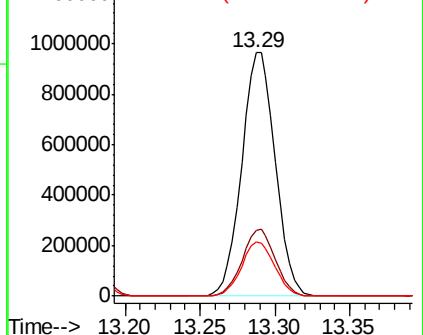
91 21.9 10.9 32.9

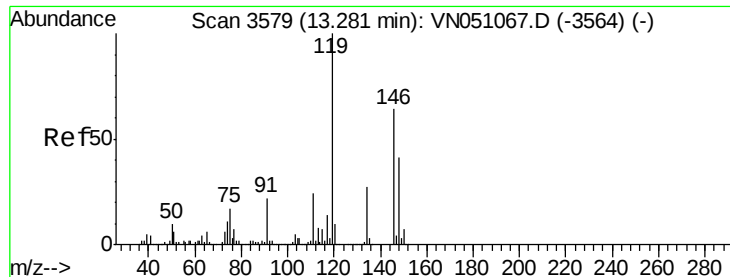


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.68 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

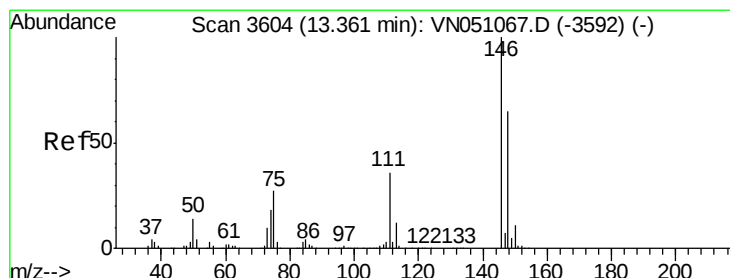
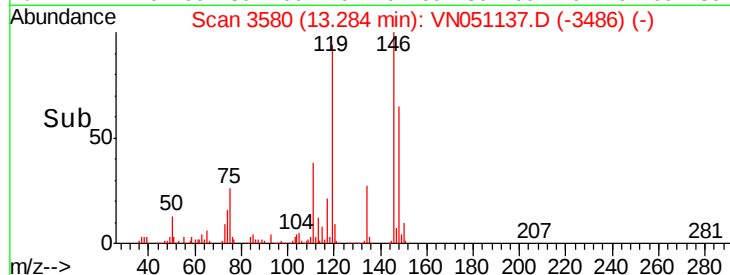
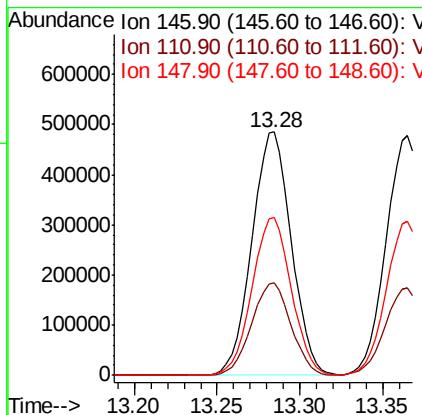
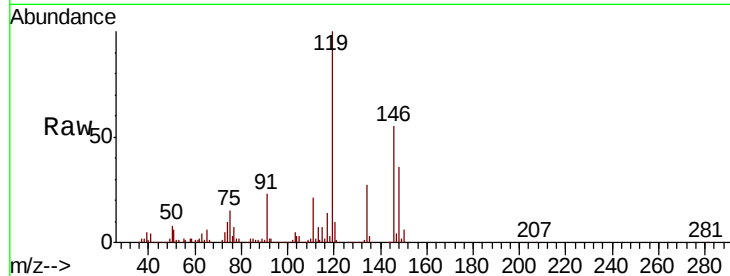
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.0	19.1	57.1	
148	64.6	32.2	96.6	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.59 ug/l

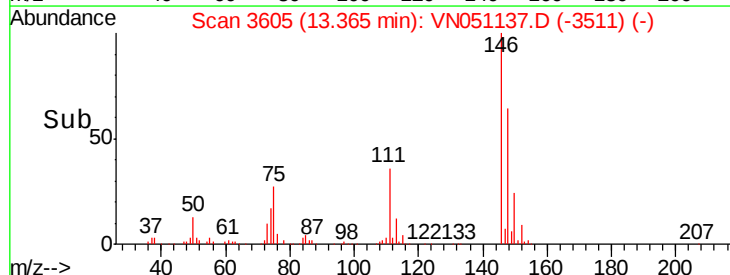
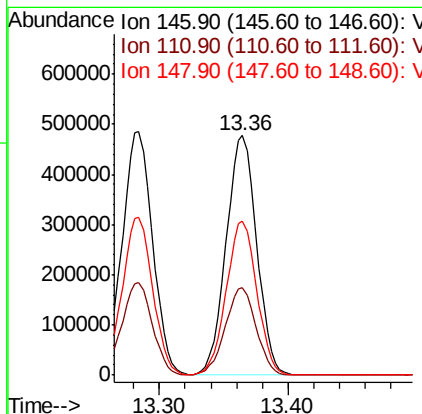
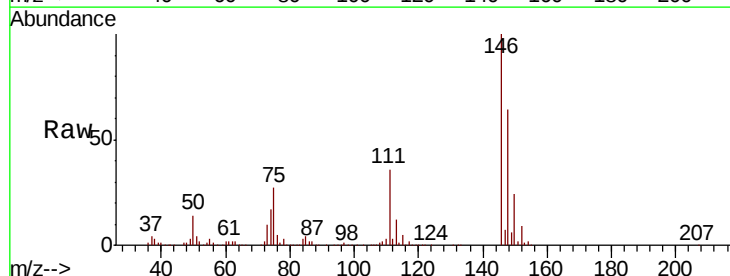
RT: 13.36 min Scan# 3605

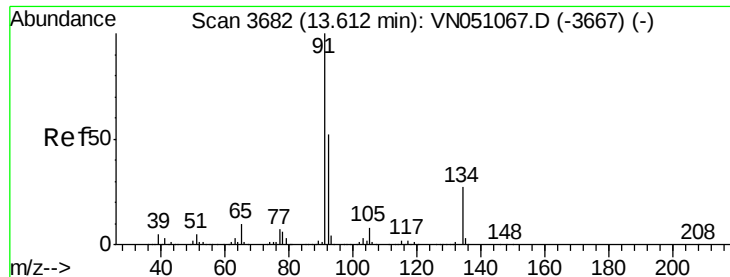
Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	36.8	18.4	55.0	
148	64.3	32.2	96.6	





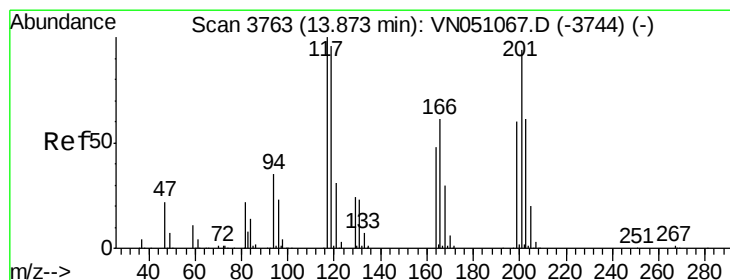
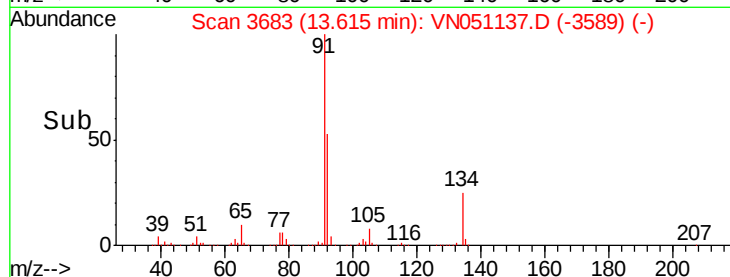
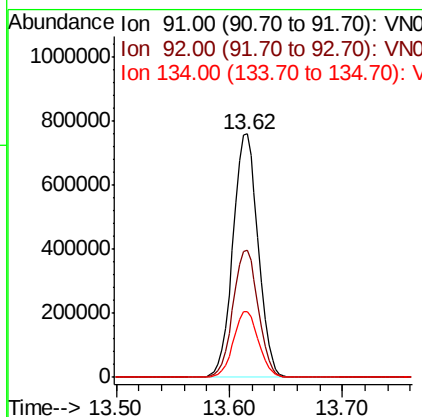
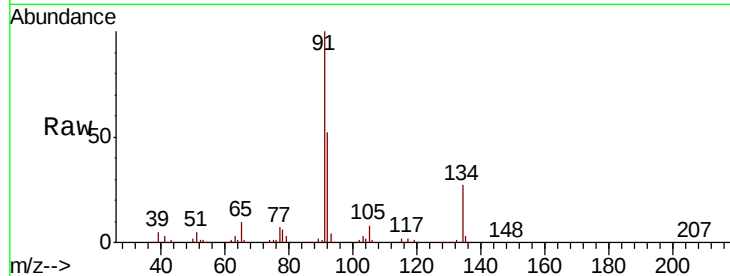
#89
n-Butylbenzene
Concen: 51.45 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1174530
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 27.0 13.7 41.1

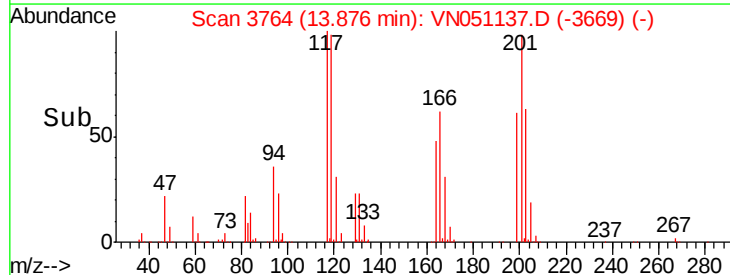
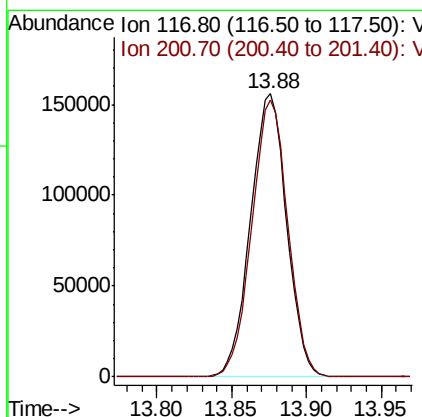
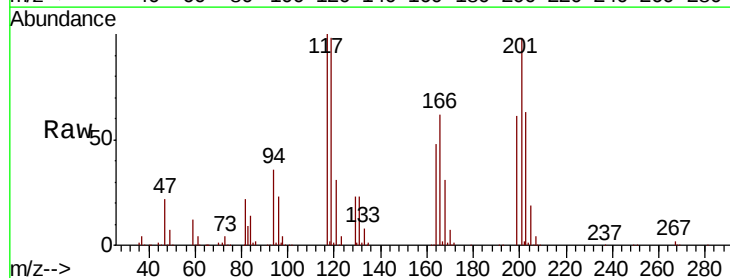
Manual Integrations
APPROVED

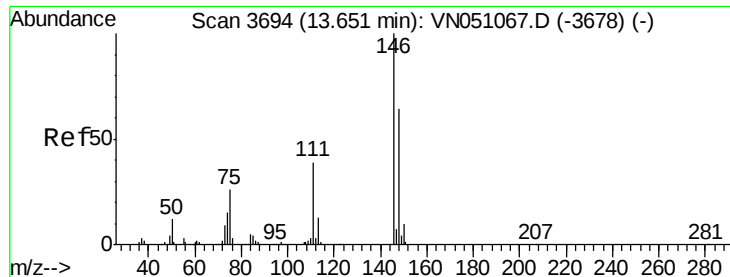
MMDadoda
9/13/2018 5:20:04 PM



#90
Hexachloroethane
Concen: 49.05 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion: 117 Resp: 261999
Ion Ratio Lower Upper
117 100
201 97.2 47.3 142.0





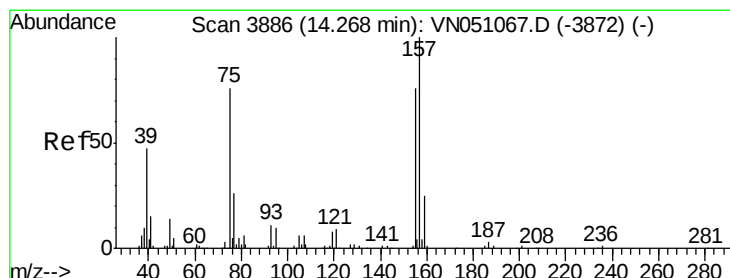
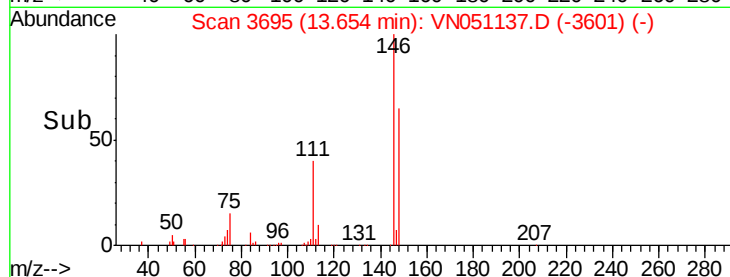
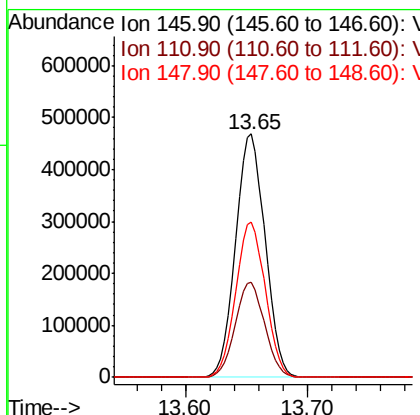
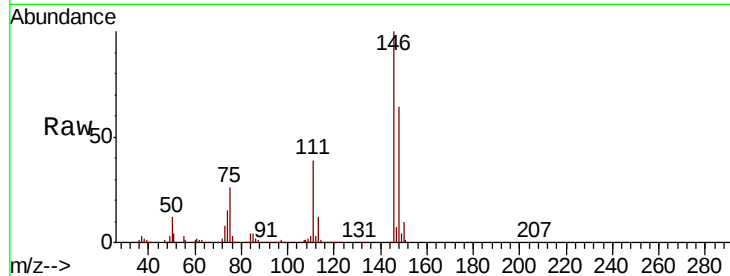
#91
 1,2-Dichlorobenzene
 Concen: 46.70 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	783654		
111	39.0		19.7	59.0
148	63.8		32.1	96.3

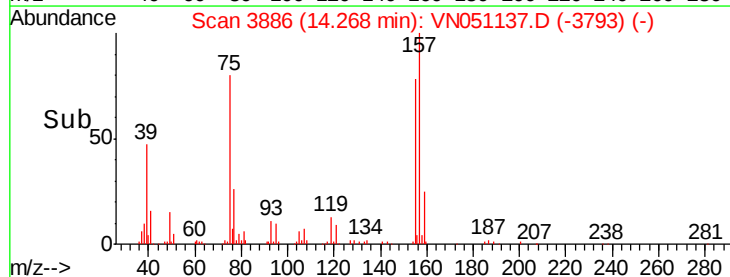
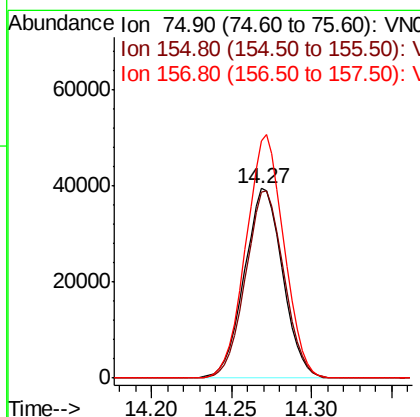
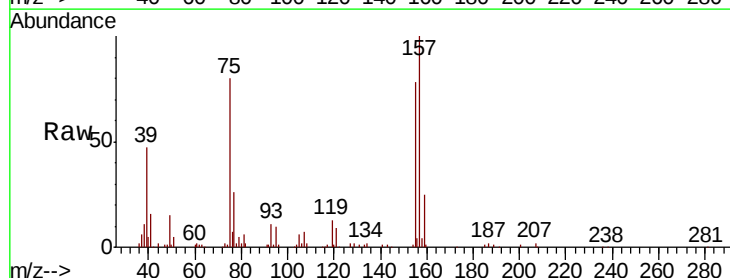
Manual Integrations
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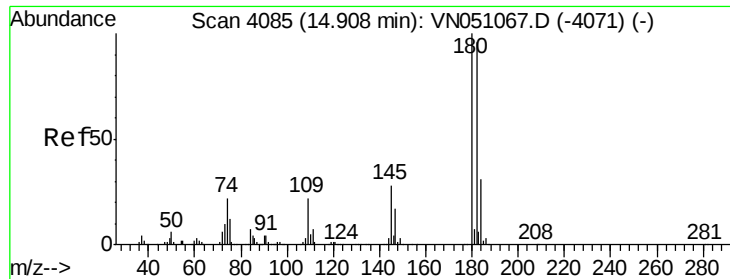
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.41 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	65071		
155	98.1		48.7	146.1
157	126.7		63.6	190.9





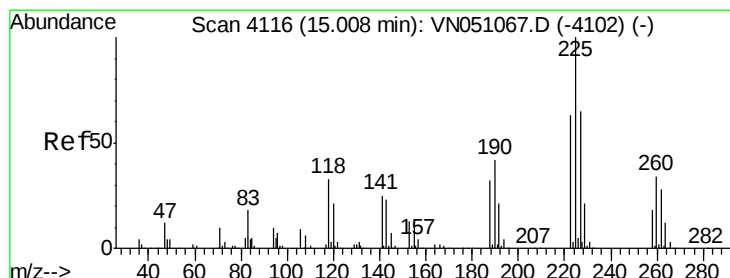
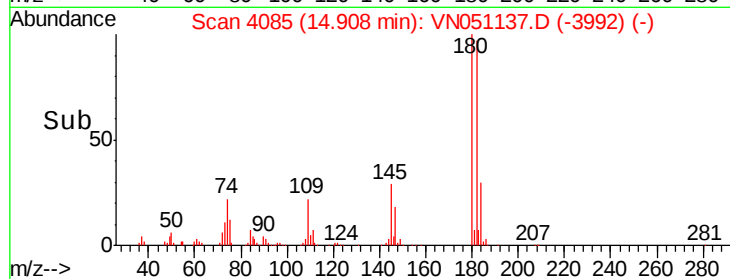
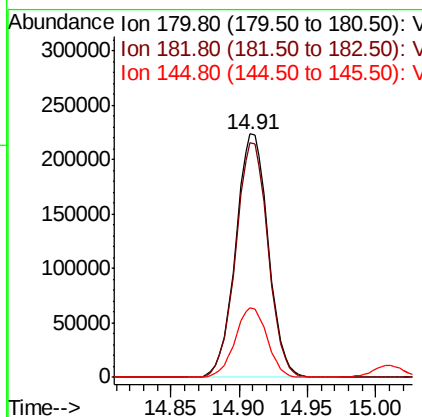
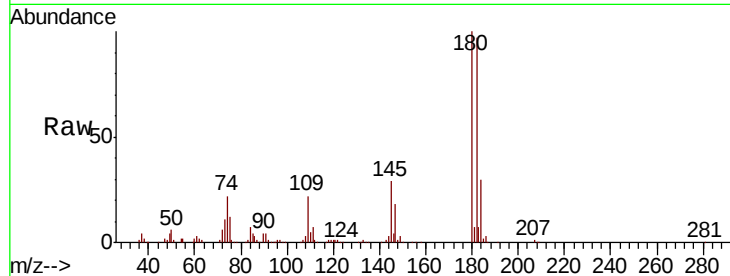
#93
 1,2,4-Trichlorobenzene
 Concen: 45.92 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	369512		
182	95.8	47.3	141.8	
145	28.2	14.2	42.6	

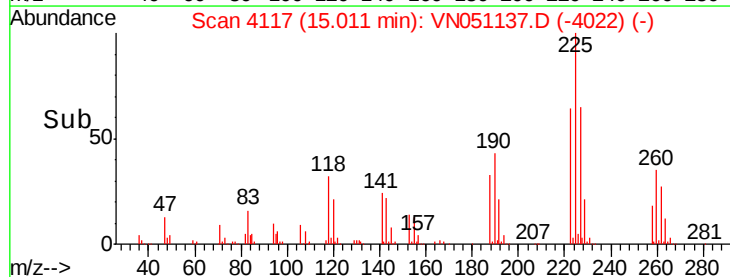
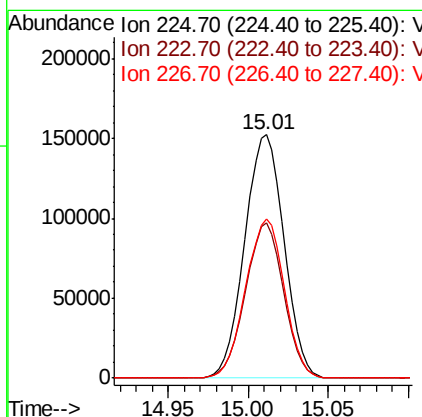
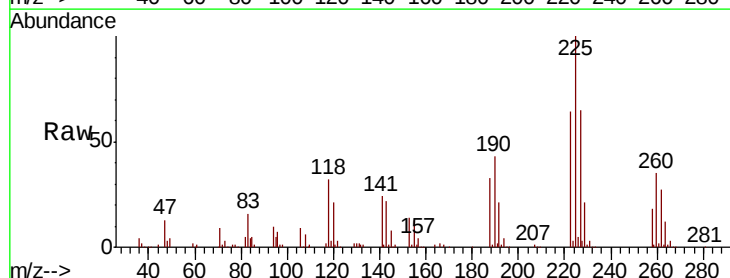
Manual Integrations
 APPROVED

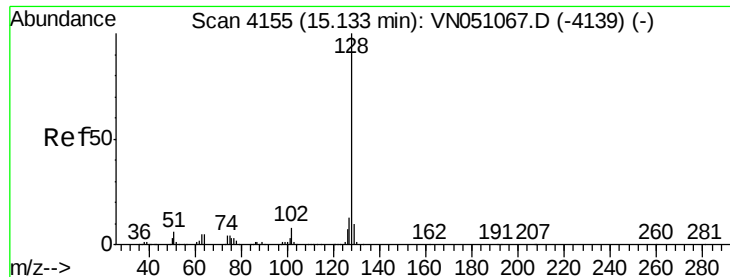
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 52.30 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	255361		
223	62.0	31.4	94.0	
227	64.4	32.1	96.3	





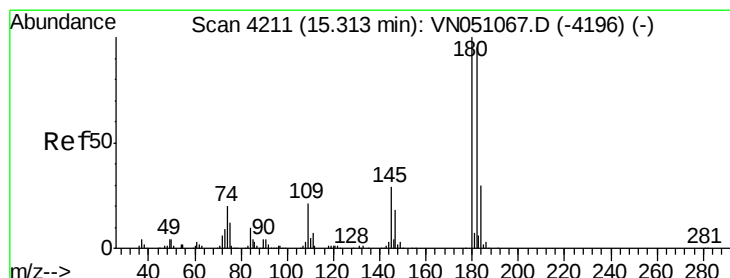
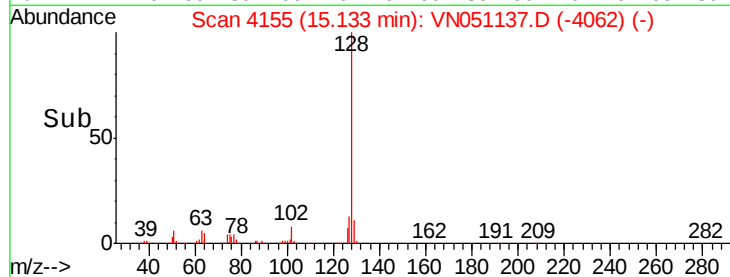
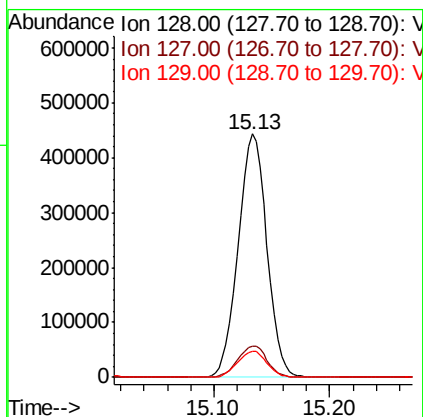
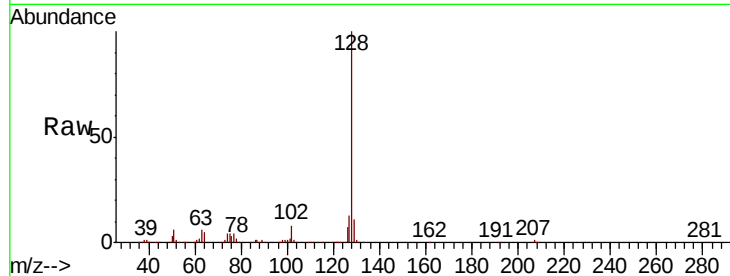
#95
Naphthalene
Concen: 45.37 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	759353		
127	13.1		10.6	15.8
129	10.9		8.6	12.8

Manual Integrations
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9/13/2018 5:20:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.99 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	370861		
182	96.4		47.8	143.3
145	29.3		14.6	43.8

