

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051089.D
 Acq On : 10 Sep 2018 20:16
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:17 AM

Quant Time: Sep 11 04:44:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	671464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	955981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	883159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	449930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385541	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
35) Dibromofluoromethane	7.59	113	375530	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.09	98	1419347	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.40	95	476226	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	304399	47.01	ug/l	99
3) Chloromethane	2.06	50	423813	50.69	ug/l	100
4) Vinyl Chloride	2.18	62	423739	47.67	ug/l	99
5) Bromomethane	2.56	94	249184	49.68	ug/l	99
6) Chloroethane	2.70	64	259608	47.32	ug/l	98
7) Trichlorofluoromethane	3.01	101	565516	48.02	ug/l	100
8) Diethyl Ether	3.41	74	215281	49.70	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	357540	47.09	ug/l	99
10) Methyl Iodide	3.95	142	342190	48.40	ug/l	99
11) Tert butyl alcohol	4.79	59	135437	237.30	ug/l	99
12) 1,1-Dichloroethene	3.73	96	343571	47.97	ug/l	99
13) Acrolein	3.61	56	169641	244.14	ug/l	99
14) Allyl chloride	4.32	41	524638	48.08	ug/l	99
15) Acrylonitrile	4.99	53	659294	260.69	ug/l	100
16) Acetone	3.82	43	438713	237.15	ug/l	100
17) Carbon Disulfide	4.05	76	1002366	47.49	ug/l	98
18) Methyl Acetate	4.33	43	289217	48.33	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	968508	51.15	ug/l	100
20) Methylene Chloride	4.55	84	393692	47.70	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	370011	47.63	ug/l	96
22) Diisopropyl ether	5.95	45	1133454	52.33	ug/l	98
23) Vinyl Acetate	5.90	43	3848981	262.57	ug/l	100
24) 1,1-Dichloroethane	5.85	63	674795	49.10	ug/l	100
25) 2-Butanone	6.84	43	712169	242.41	ug/l	100
26) 2,2-Dichloropropane	6.83	77	514177	45.71	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	417081	48.94	ug/l	99
28) Bromochloromethane	7.20	49	307060	50.20	ug/l	100
29) Tetrahydrofuran	7.21	42	483712	263.65	ug/l	100
30) Chloroform	7.37	83	678845	49.65	ug/l	100
31) Cyclohexane	7.65	56	599278	48.90	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	575525	49.40	ug/l	100
36) 1,1-Dichloropropene	7.79	75	519854	49.53	ug/l	99
37) Ethyl Acetate	6.93	43	329251	54.16	ug/l	100
38) Carbon Tetrachloride	7.77	117	503656	48.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	577343	49.86	ug/l	98
40) Benzene	8.04	78	1593081	50.37	ug/l	99
41) Methacrylonitrile	7.19	41	178506m	56.92	ug/l	
42) 1,2-Dichloroethane	8.13	62	464674	50.41	ug/l	99
43) Isopropyl Acetate	8.17	43	557187	51.95	ug/l #	90
44) Trichloroethene	8.84	130	420173	48.57	ug/l	99
45) 1,2-Dichloropropane	9.12	63	414435	50.71	ug/l	99
46) Dibromomethane	9.21	93	246128	49.36	ug/l	99
47) Bromodichloromethane	9.40	83	514328	50.73	ug/l	99
48) Methyl methacrylate	9.20	41	283311	54.20	ug/l	99
49) 1,4-Dioxane	9.20	88	86483	1055.12	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1592691	268.52	ug/l	100
52) Toluene	10.16	92	987267	51.19	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	517425	50.99	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	606310	50.96	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361915	51.66	ug/l	99
56) Ethyl methacrylate	10.43	69	462838	49.27	ug/l	99
57) 1,3-Dichloropropane	10.71	76	596951	51.40	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	956306	242.47	ug/l	100
59) 2-Hexanone	10.75	43	1039615	258.45	ug/l	100
60) Dibromochloromethane	10.90	129	405786	51.39	ug/l	99
61) 1,2-Dibromoethane	11.01	107	354257	51.73	ug/l	100
64) Tetrachloroethene	10.63	164	380300	47.19	ug/l	98
65) Chlorobenzene	11.43	112	1085819	48.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	395716	49.37	ug/l	100
67) Ethyl Benzene	11.51	91	1833528	50.86	ug/l	100
68) m/p-Xylenes	11.62	106	1436415	103.70	ug/l	99
69) o-Xylene	11.95	106	696818	51.95	ug/l	100
70) Styrene	11.96	104	1124172	54.03	ug/l	99
71) Bromoform	12.13	173	290302	51.44	ug/l #	100
73) Isopropylbenzene	12.25	105	1816116	48.13	ug/l	99
74) N-amyl acetate	12.07	43	465011	48.97	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	455040	52.65	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	358752m	51.47	ug/l	
77) Bromobenzene	12.53	156	472871	46.66	ug/l	99
78) n-propylbenzene	12.59	91	2037969	49.14	ug/l	100
79) 2-Chlorotoluene	12.67	91	1229868	47.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1505097	49.34	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	116702	49.26	ug/l	99
82) 4-Chlorotoluene	12.77	91	1228282	47.73	ug/l	100
83) tert-Butylbenzene	12.99	119	1286865	47.78	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1525376	50.85	ug/l	100
85) sec-Butylbenzene	13.17	105	1690778	48.95	ug/l	100
86) p-Isopropyltoluene	13.29	119	1488109	50.81	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	806181	46.89	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	781370	49.50	ug/l	100
89) n-Butylbenzene	13.62	91	1143427	50.17	ug/l	100
90) Hexachloroethane	13.87	117	261693	49.07	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	786356	46.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63995	49.66	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	350009	43.77	ug/l	99
94) Hexachlorobutadiene	15.01	225	245674	50.33	ug/l	99
95) Naphthalene	15.13	128	698326	42.21	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	349221	45.43	ug/l	100

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

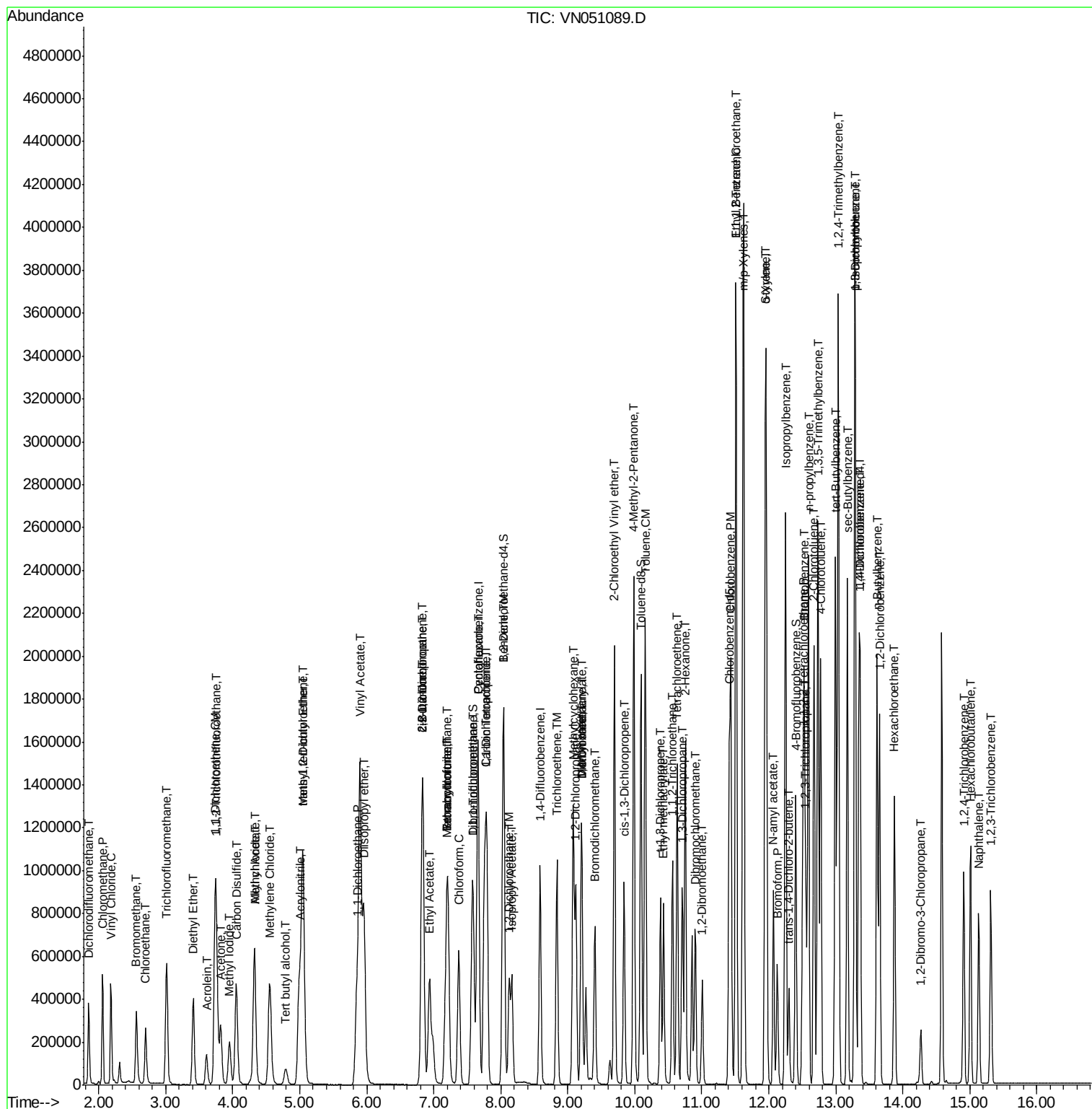
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091018\
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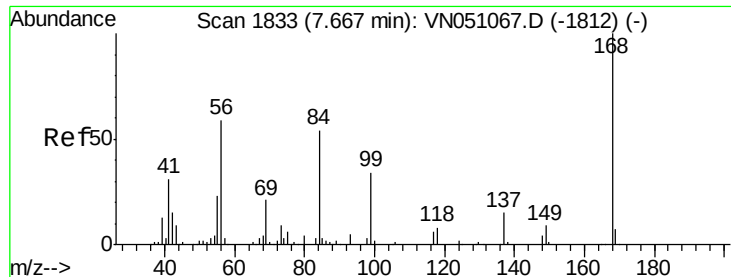
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 671464

Ion Ratio Lower Upper

168 100

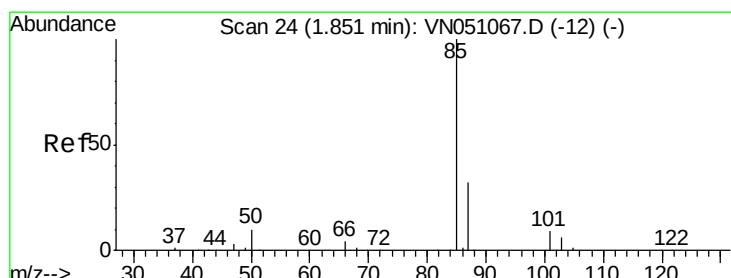
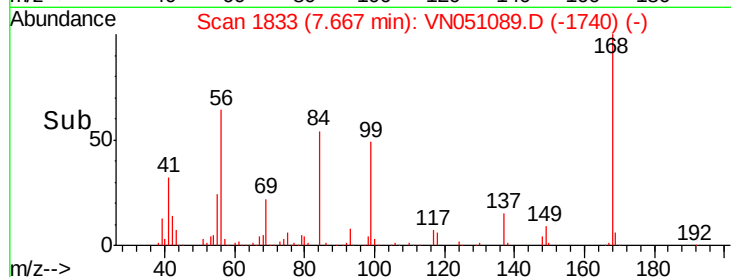
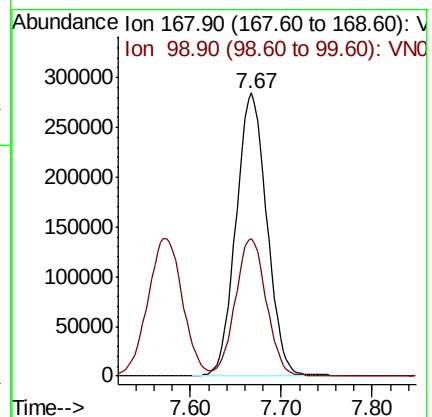
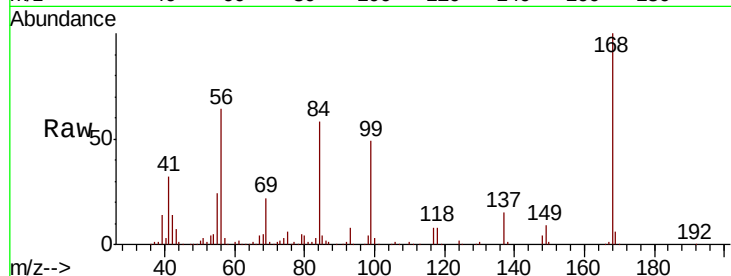
99 48.5 38.3 57.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.01 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051089.D

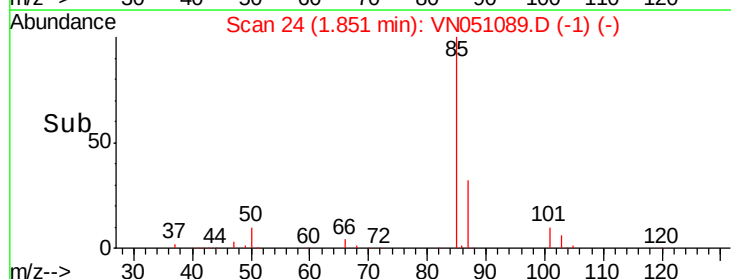
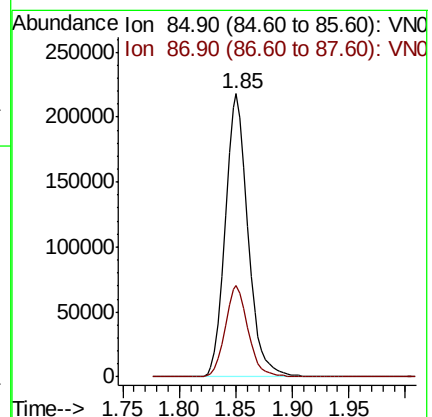
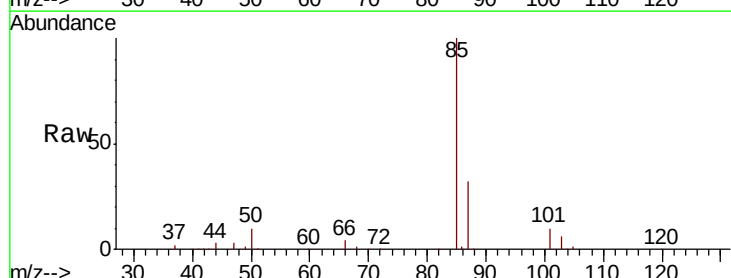
Acq: 10 Sep 2018 20:16

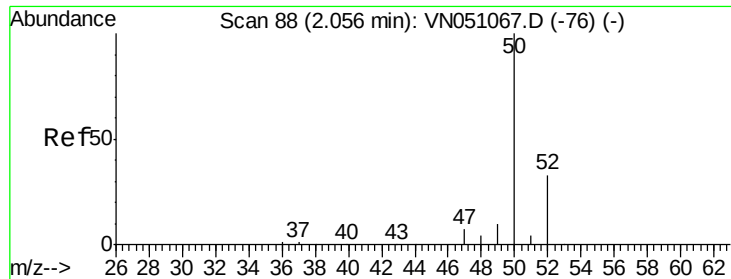
Tgt Ion: 85 Resp: 304399

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6





#3

Chloromethane

Concen: 50.69 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 423813

Ion Ratio Lower Upper

50 100

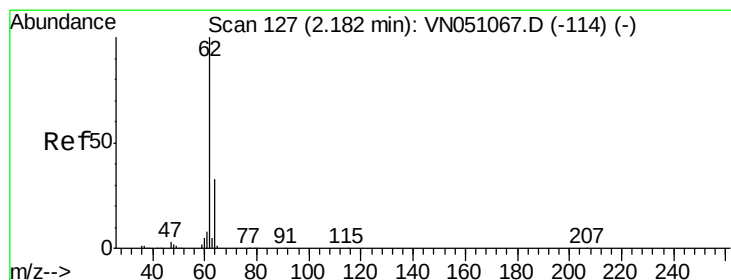
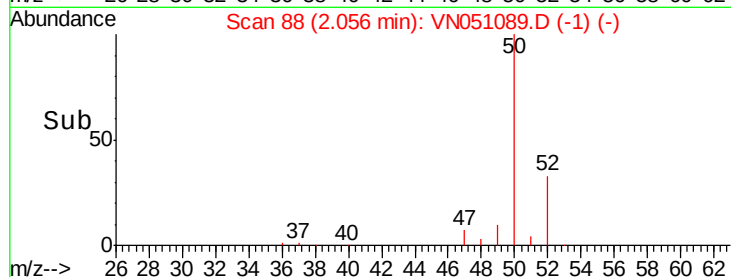
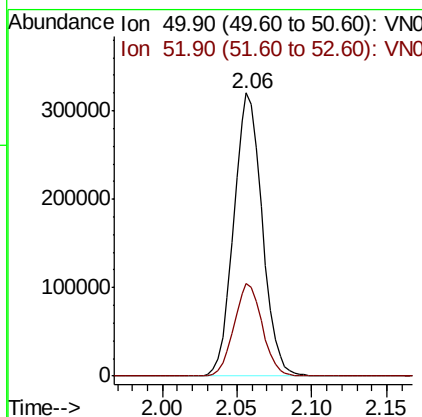
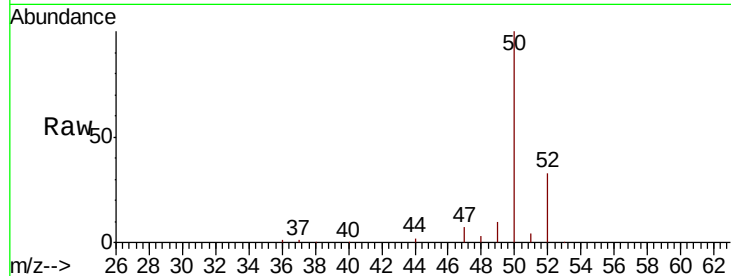
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.67 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051089.D

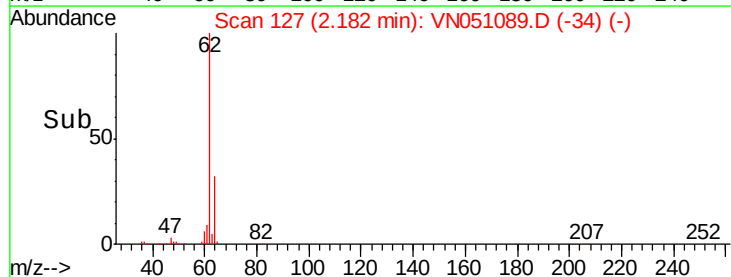
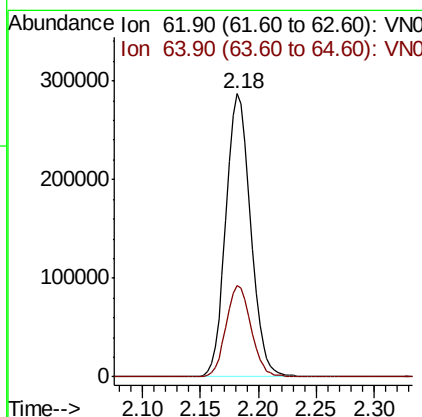
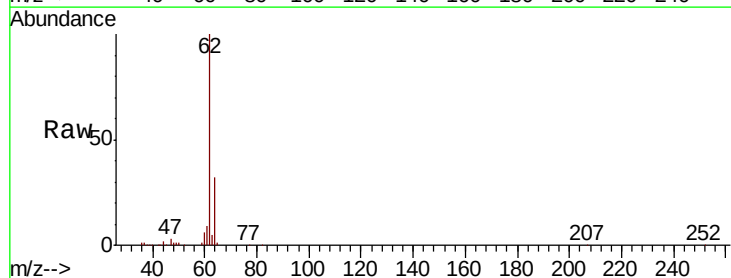
Acq: 10 Sep 2018 20:16

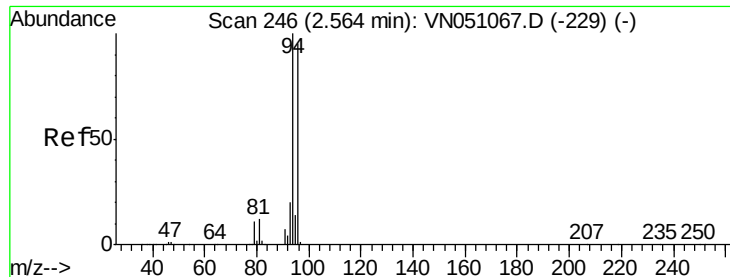
Tgt Ion: 62 Resp: 423739

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4





#5

Bromomethane

Concen: 49.68 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 249184

Ion Ratio Lower Upper

94 100

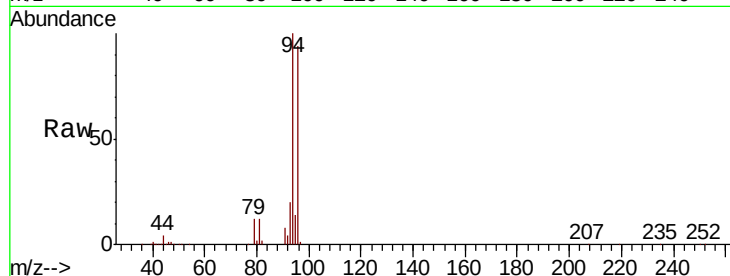
96 93.7 75.9 113.9

Manual Integrations

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9/11/2018 9:41:17 AM



Abundance Ion 93.90 (93.60 to 94.60): VN051067.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051067.D (-229) (-)

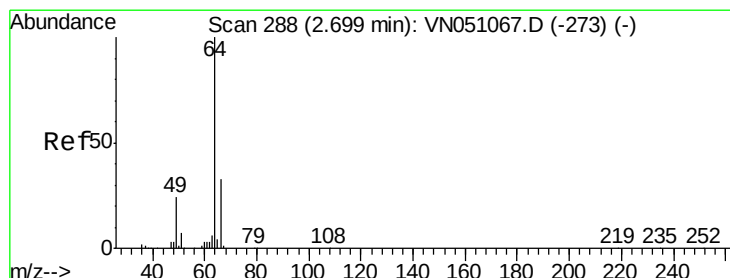
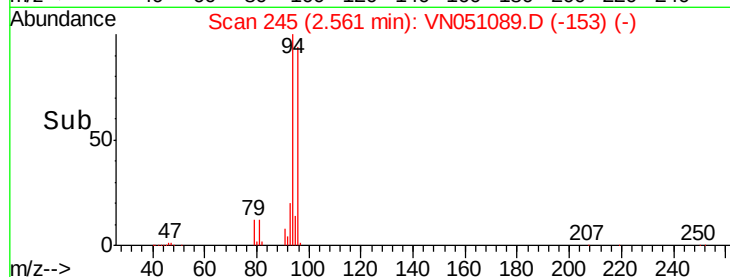
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 47.32 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051089.D

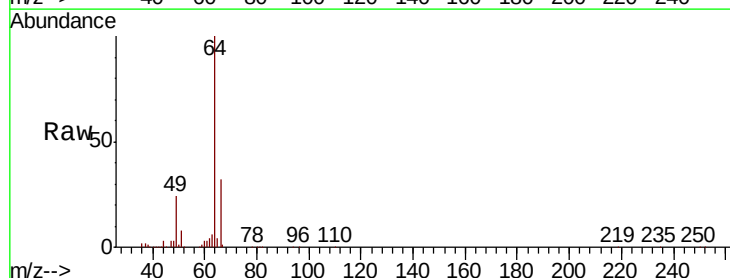
Acq: 10 Sep 2018 20:16

Tgt Ion: 64 Resp: 259608

Ion Ratio Lower Upper

64 100

66 31.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN051067.D (-273) (-)

Ion 65.90 (65.60 to 66.60): VN051067.D (-273) (-)

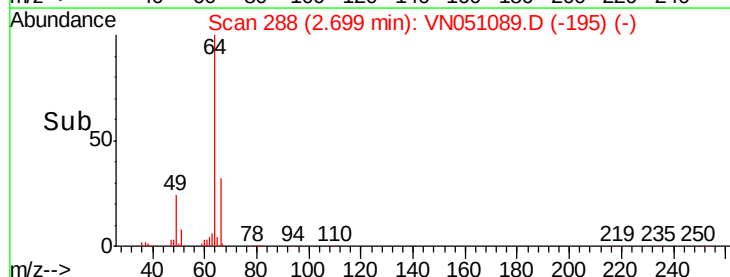
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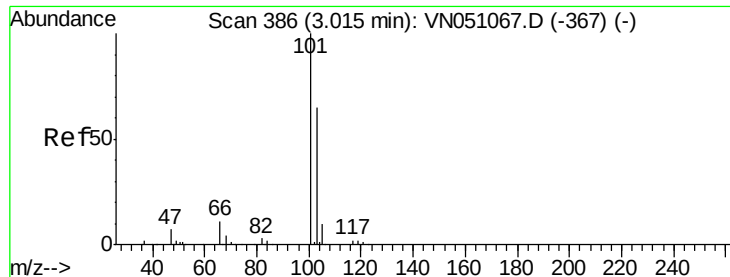
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50000

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Time-->





#7

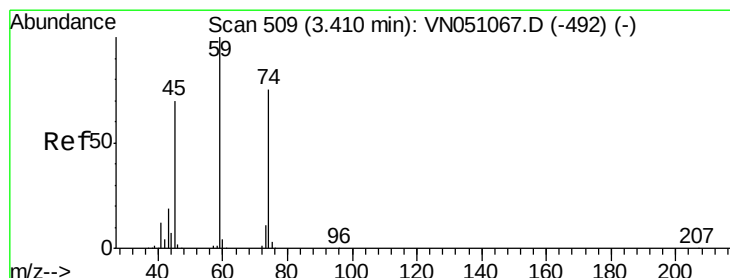
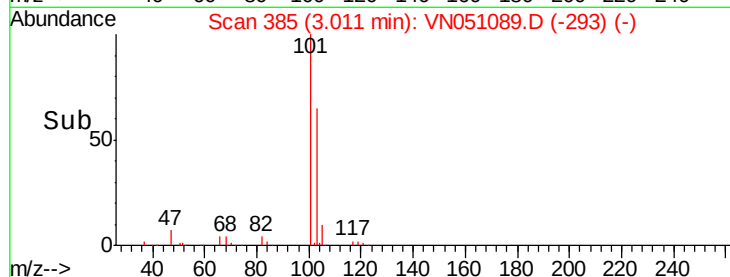
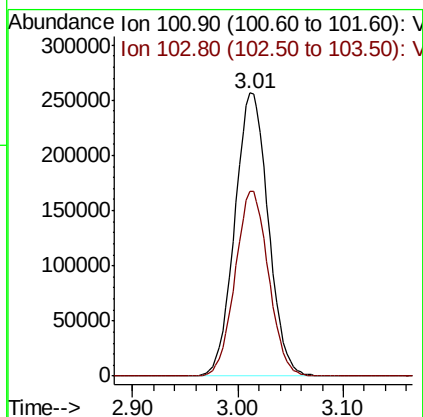
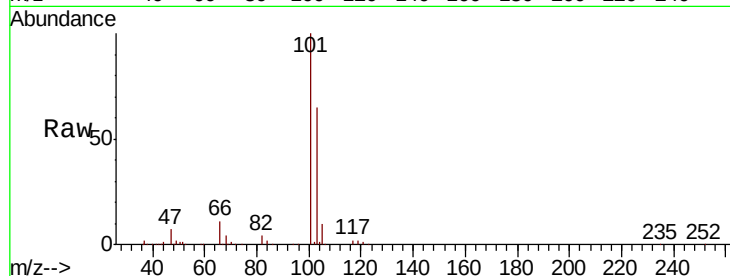
Trichlorofluoromethane
 Concen: 48.02 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.4	78.6

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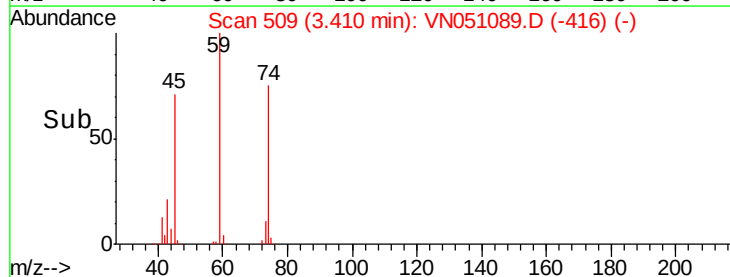
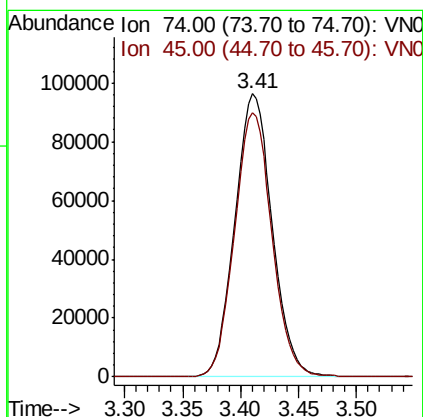
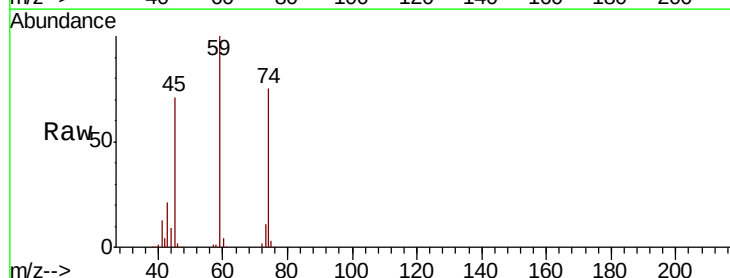
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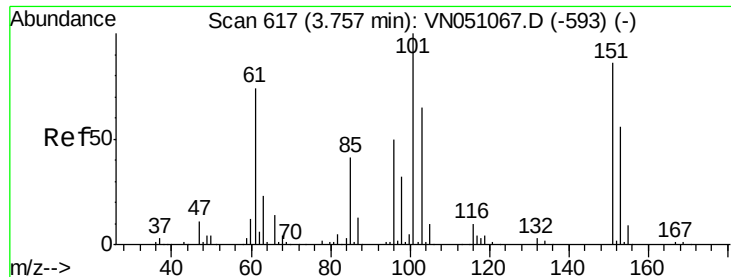


#8

Diethyl Ether
 Concen: 49.70 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.09 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

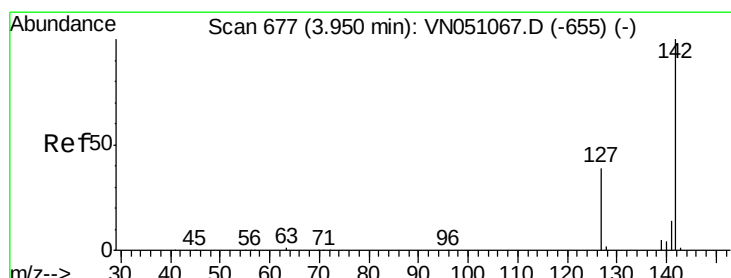
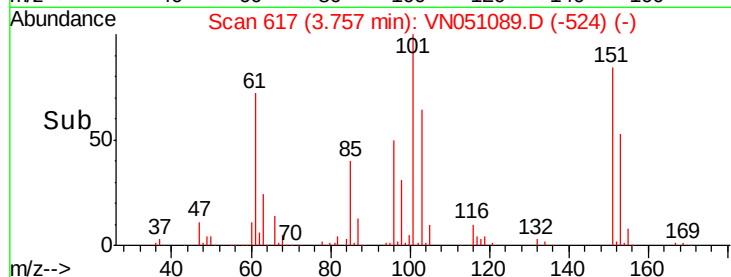
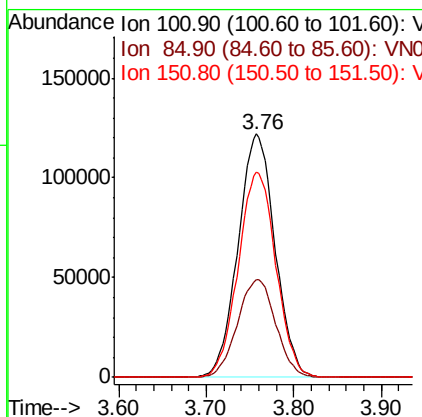
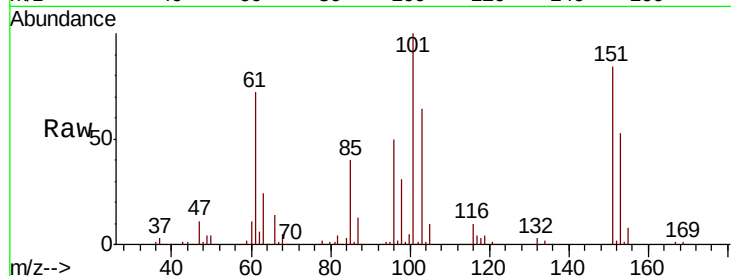
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	357540
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.3	49.9
151	85.9	68.2	102.2

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#10

Methyl Iodide

Concen: 48.40 ug/l

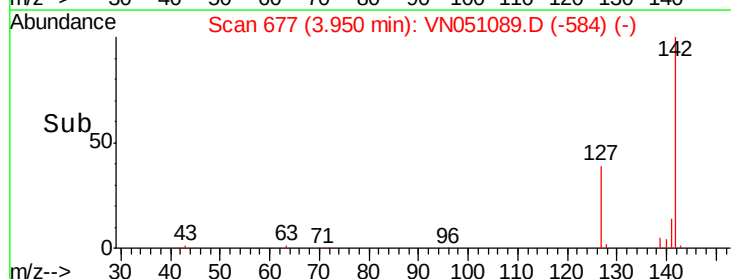
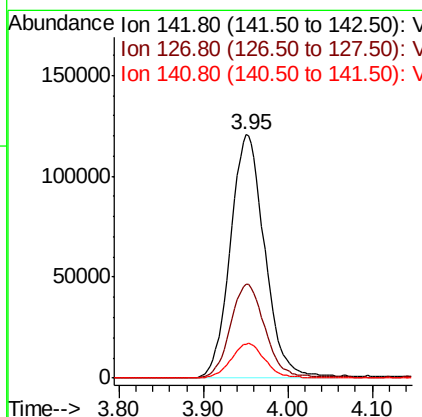
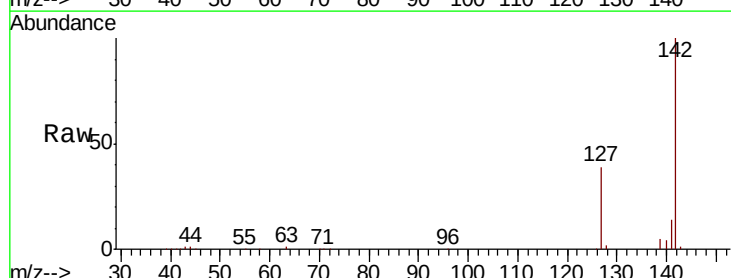
RT: 3.95 min Scan# 677

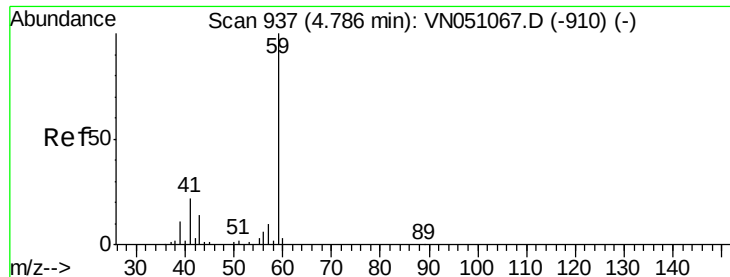
Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion:	142	Resp:	342190
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.0	46.4
141	14.0	11.3	16.9





#11

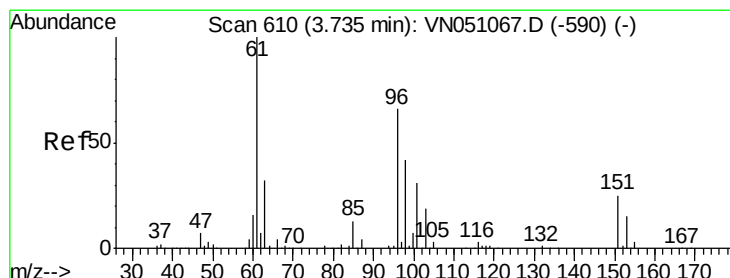
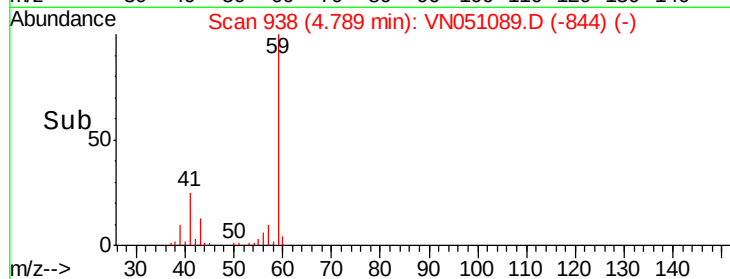
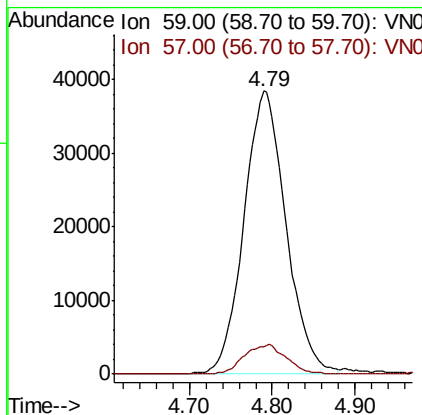
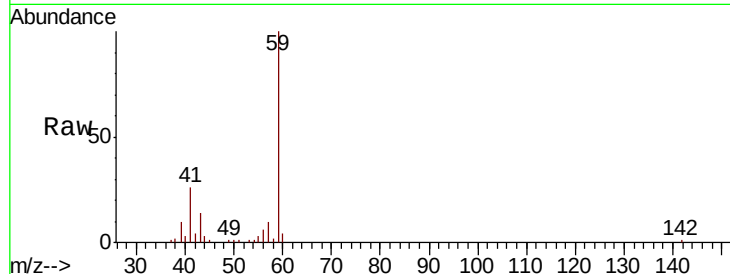
Tert butyl alcohol
 Concen: 237.30 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.1	12.1

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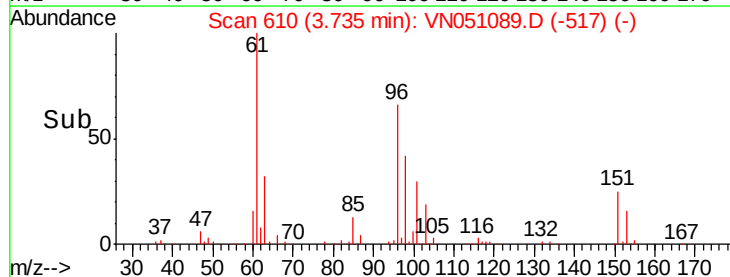
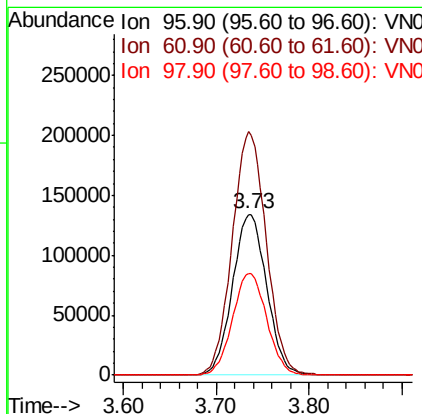
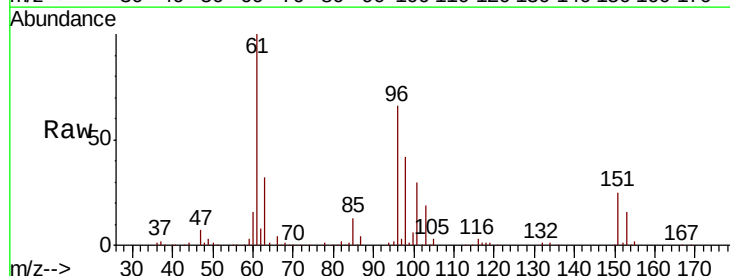
MMDadoda
 9/11/2018 9:41:17 AM

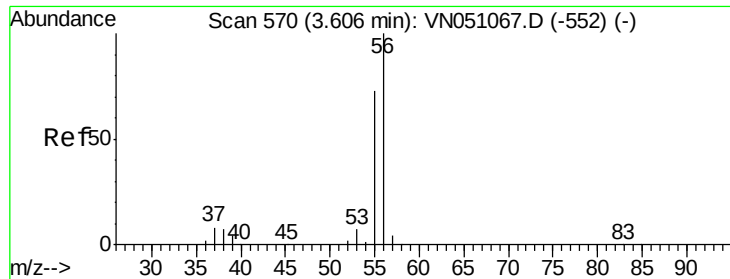


#12

1,1-Dichloroethene
 Concen: 47.97 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	120.3	180.5
98	63.6	50.8	76.2





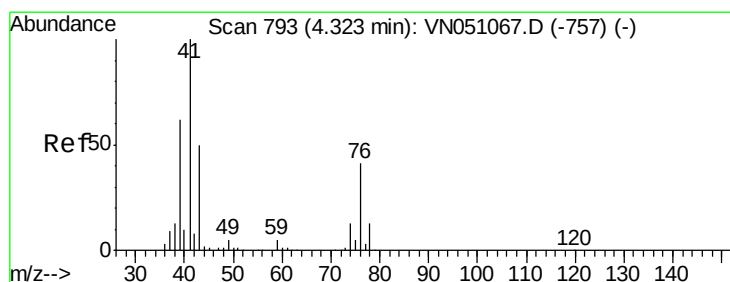
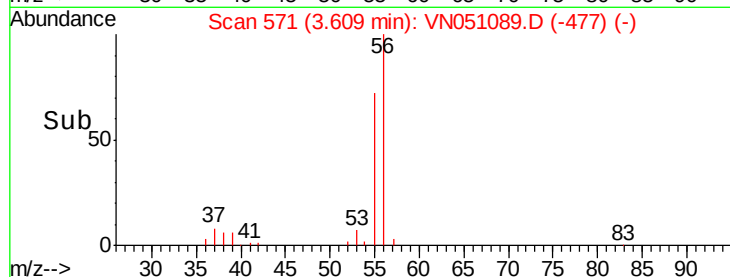
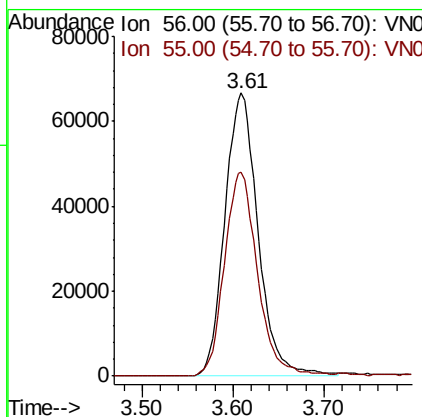
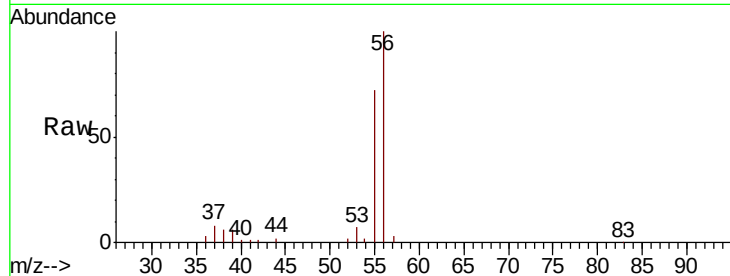
#13
Acrolein
Concen: 244.14 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	169641
Ion	Ratio	Lower	Upper	
56	100			
55	71.6	58.0	87.0	

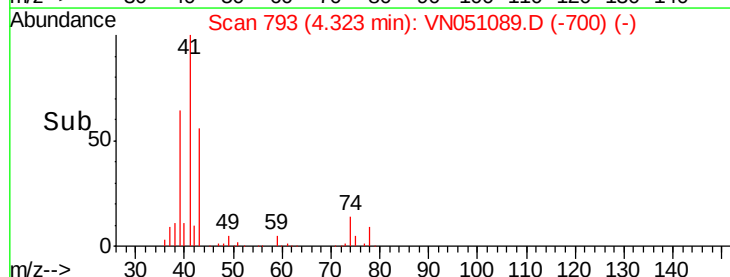
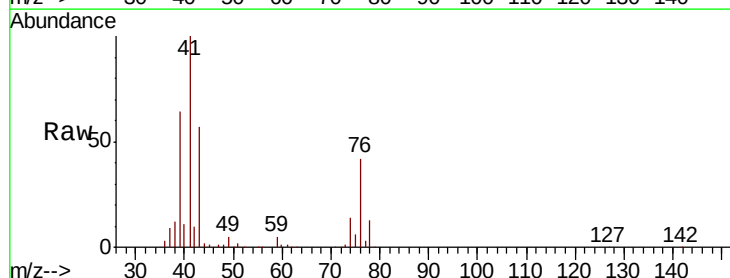
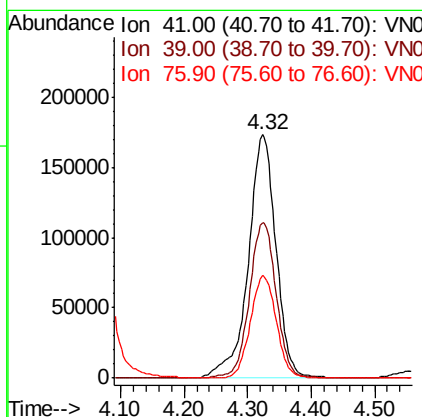
Manual Integrations
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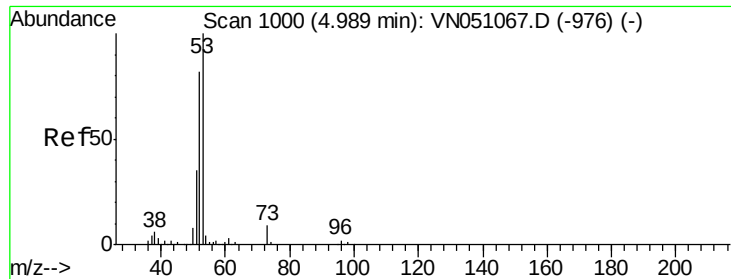
MMDadoda
9/11/2018 9:41:17 AM



#14
Allyl chloride
Concen: 48.08 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	41	39	76	Resp	524638
Ion	Ratio	Lower	Upper		
41	100				
39	61.8	48.8	73.2		
76	38.8	30.6	45.8		





#15

Acrylonitrile

Concen: 260.69 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

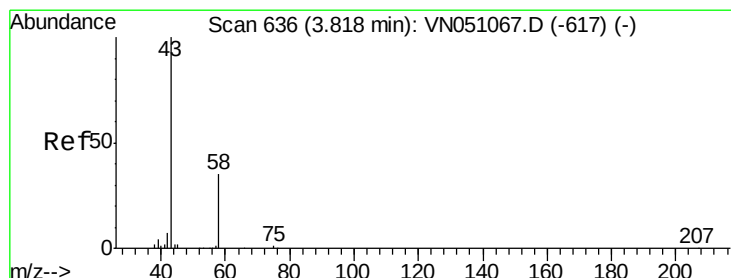
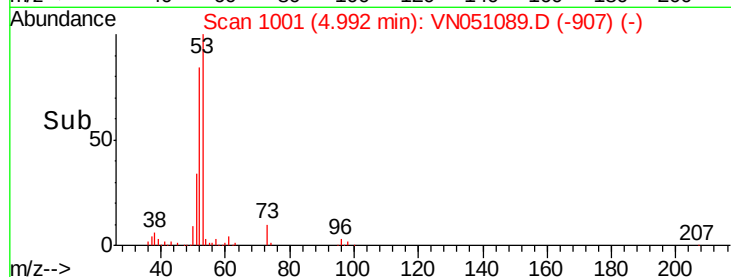
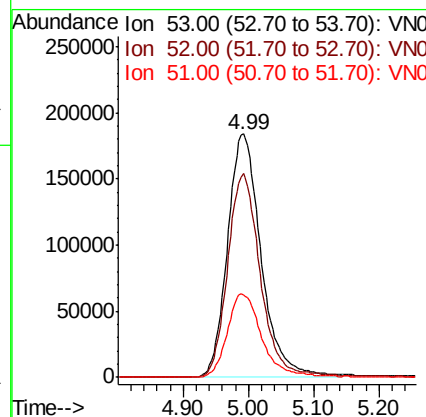
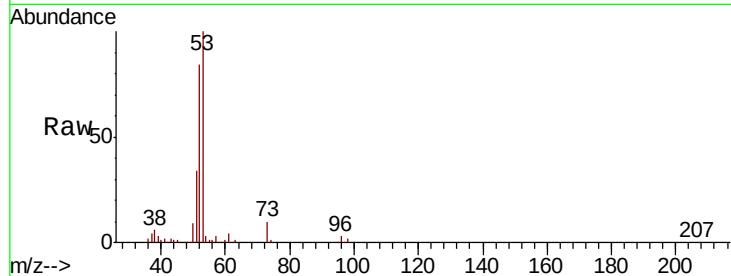
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	659294
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.3	97.9
51	35.3	28.2	42.2

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#16

Acetone

Concen: 237.15 ug/l

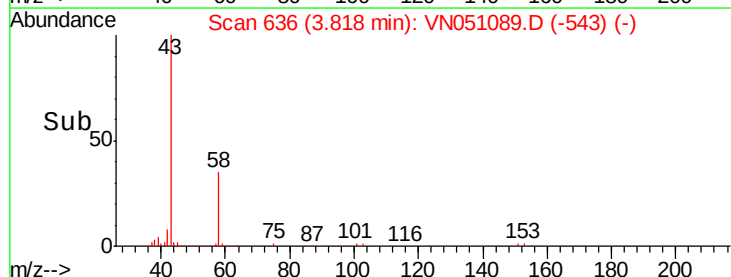
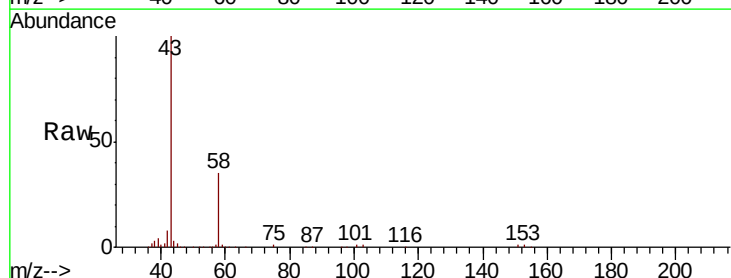
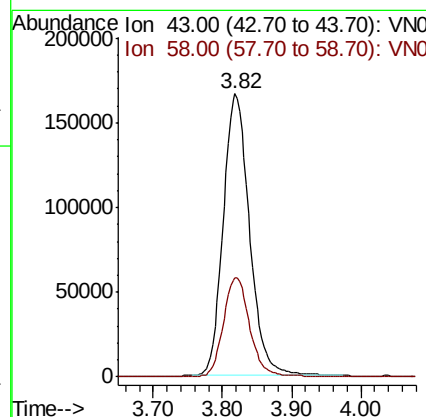
RT: 3.82 min Scan# 636

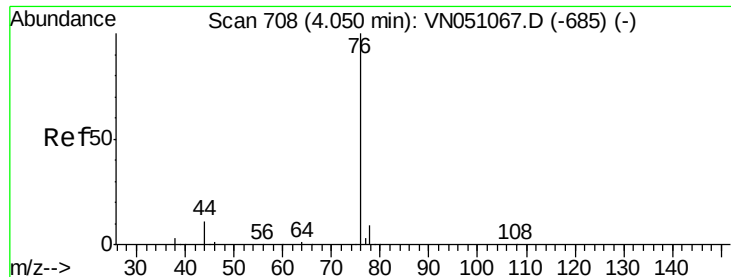
Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion:	43	Resp:	438713
Ion	Ratio	Lower	Upper
43	100		
58	34.9	27.8	41.6





#17

Carbon Disulfide

Concen: 47.49 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1002366

Ion Ratio Lower Upper

76 100

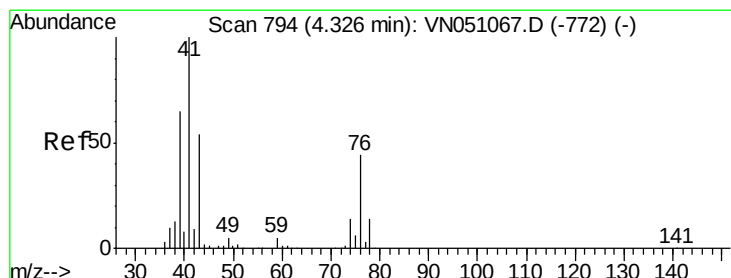
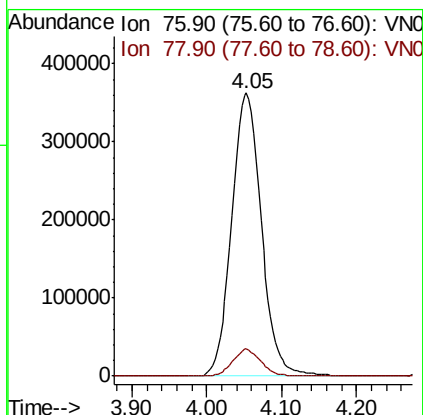
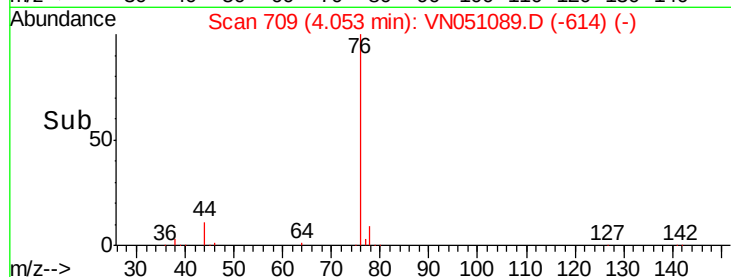
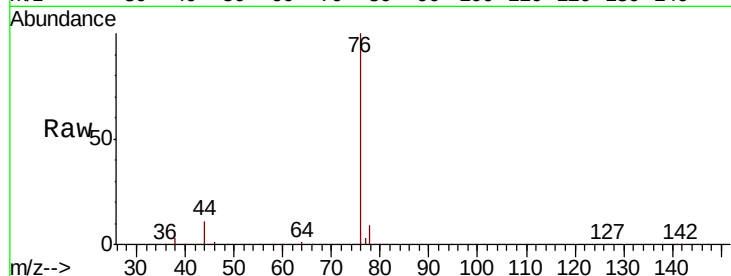
78 9.5 7.0 10.6

Manual Integrations

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9/11/2018 9:41:17 AM



#18

Methyl Acetate

Concen: 48.33 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051089.D

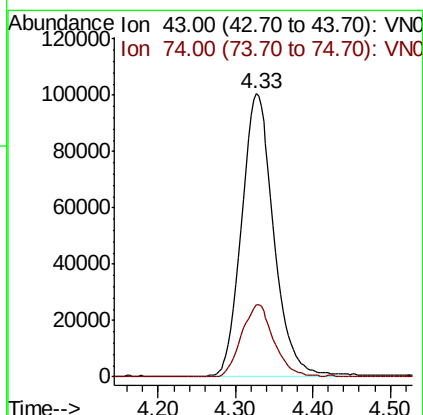
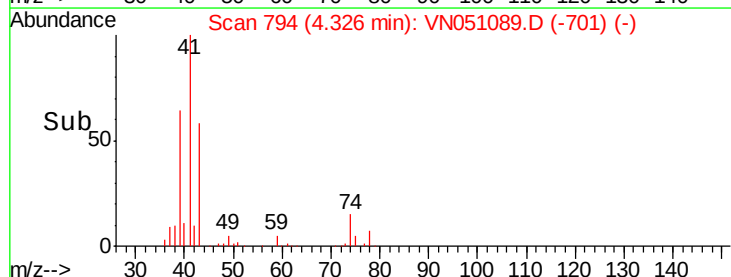
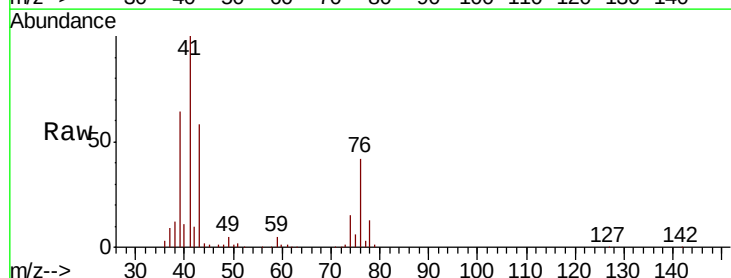
Acq: 10 Sep 2018 20:16

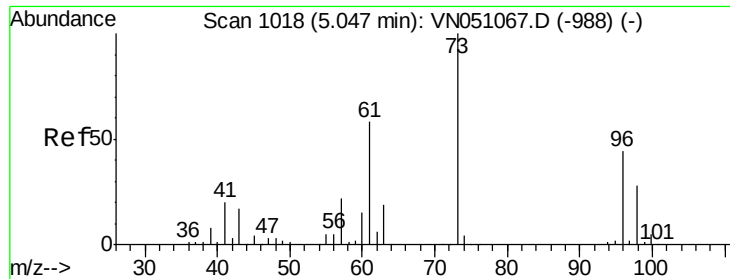
Tgt Ion: 43 Resp: 289217

Ion Ratio Lower Upper

43 100

74 25.8 20.7 31.1





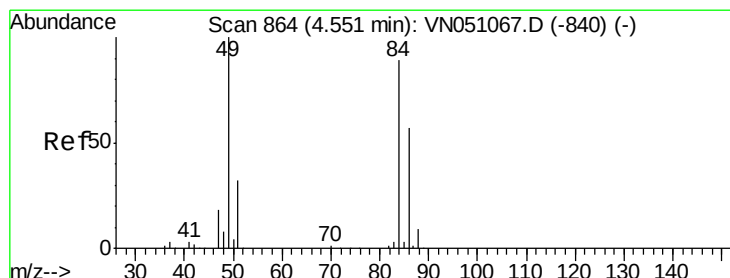
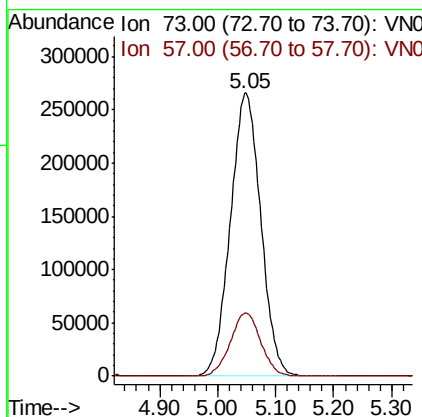
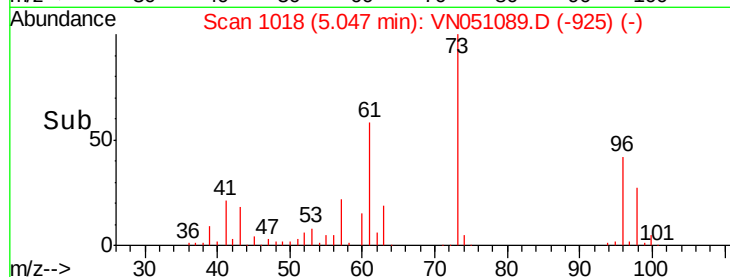
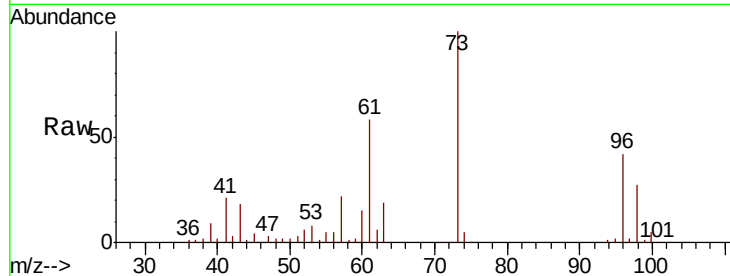
#19
Methvl tert-butvl Ether
Concen: 51.15 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

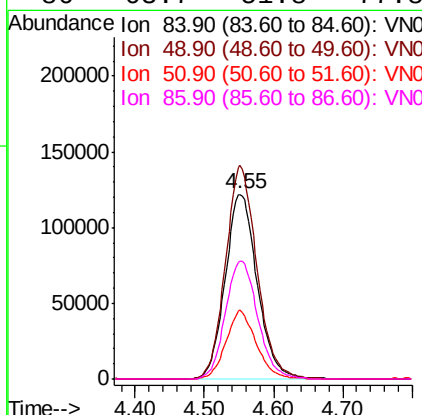
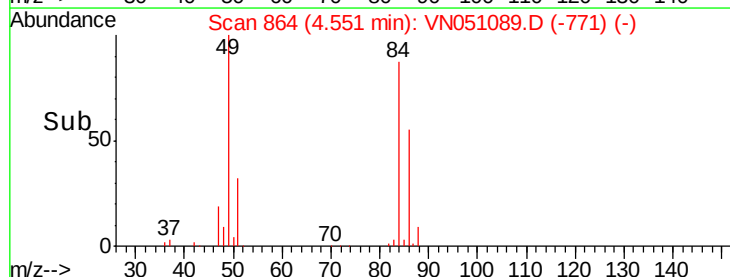
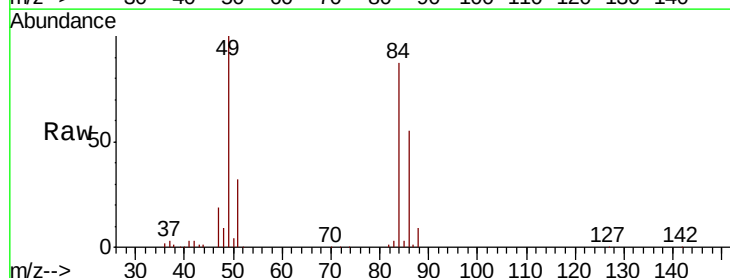
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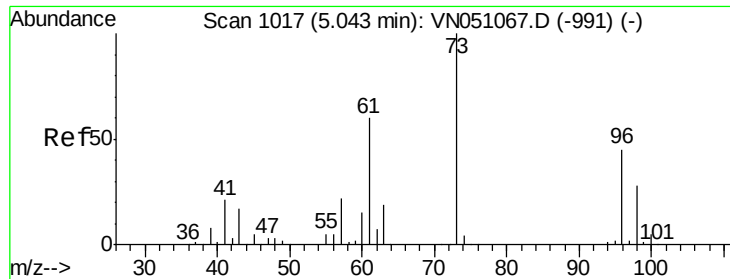
MMDadoda
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#20
Methylene Chloride
Concen: 47.70 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.6	90.2	135.2
51	37.1	28.4	42.6
86	63.7	51.8	77.8





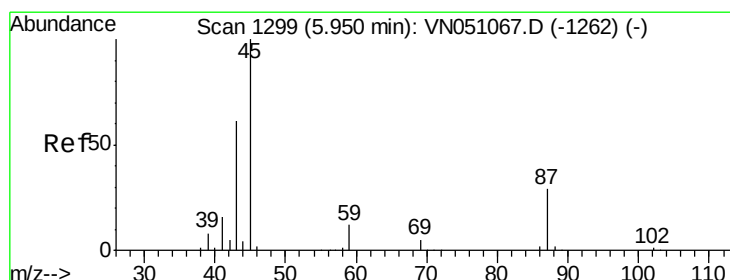
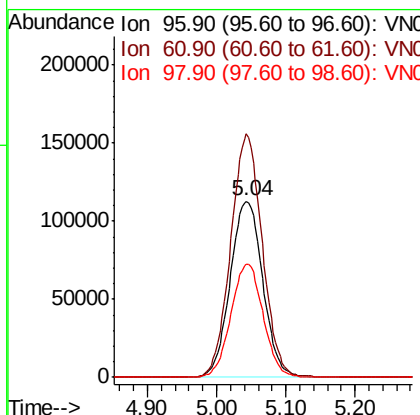
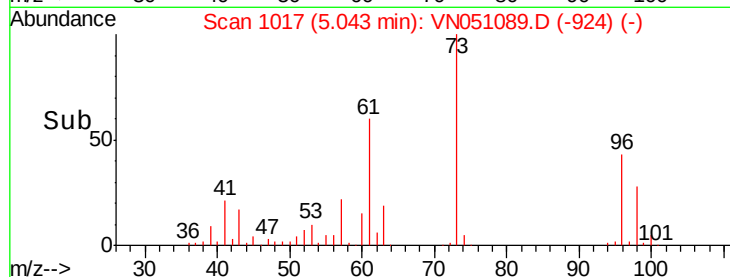
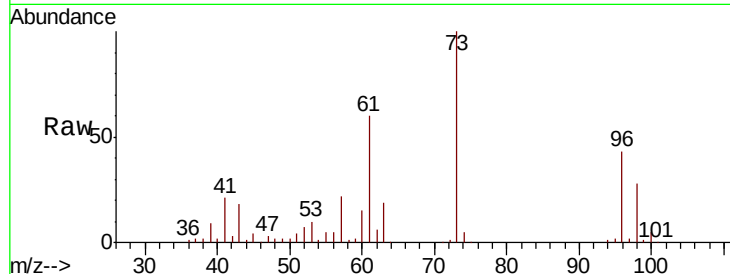
#21
trans-1,2-Dichloroethene
Concen: 47.63 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	106.5	159.7
98	64.6	50.4	75.6

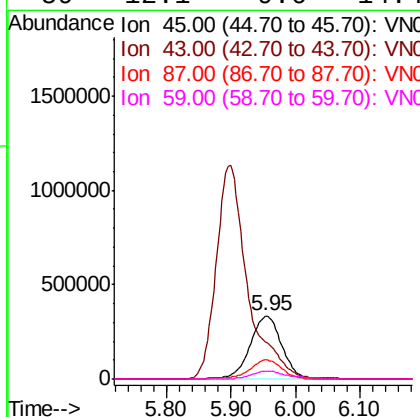
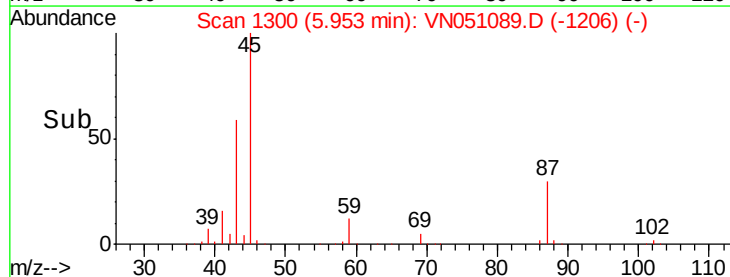
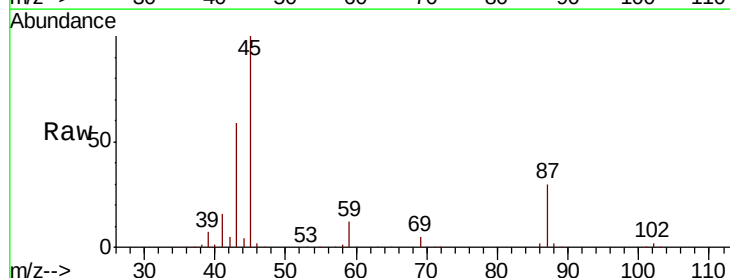
Manual Integrations
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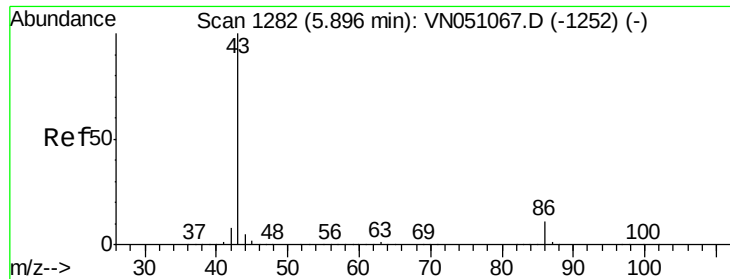
MMDadoda
9/11/2018 9:41:17 AM



#22
Diisopropyl ether
Concen: 52.33 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.8	73.2
87	29.9	23.8	35.8
59	12.1	9.6	14.4





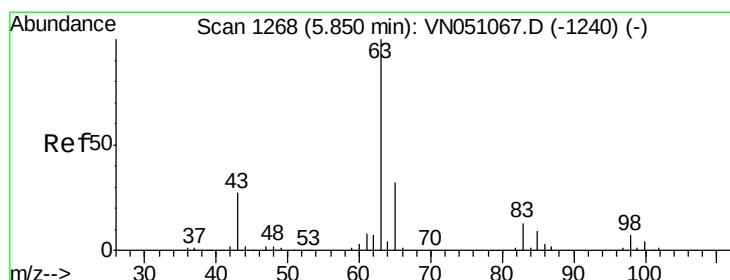
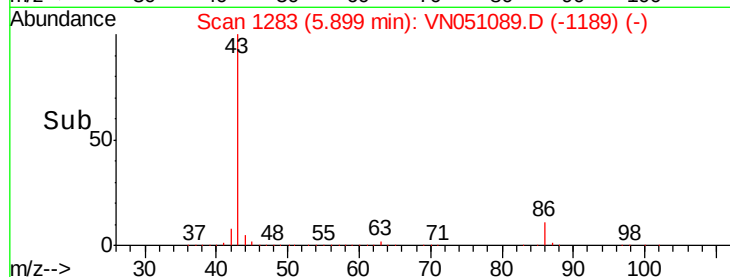
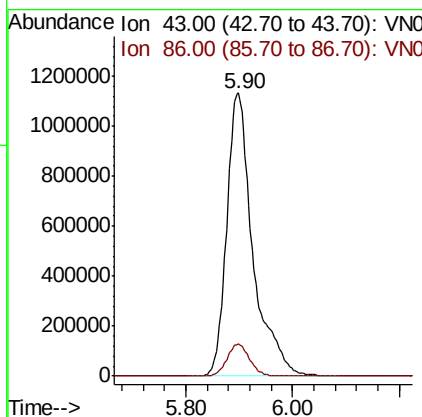
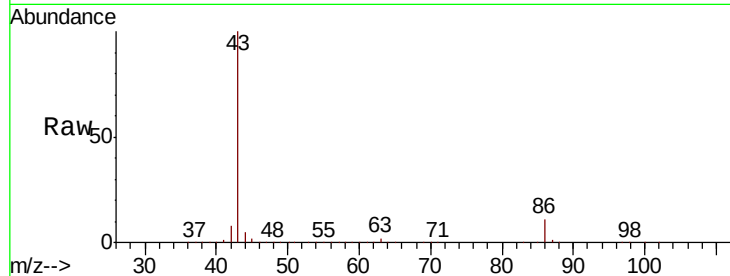
#23
 Vinyl Acetate
 Concen: 262.57 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	Resp	3848981
Ion Ratio	100	Lower	Upper
43	100		
86	11.3	9.2	13.8

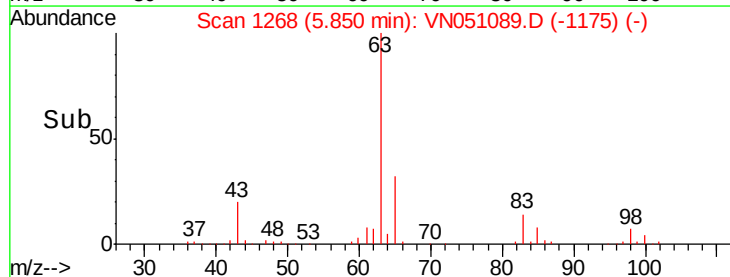
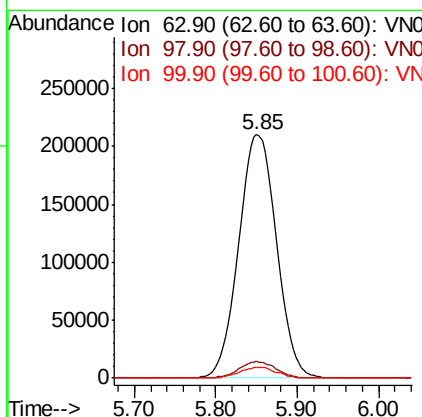
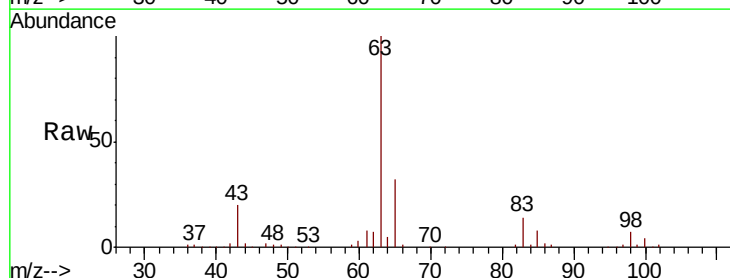
Manual Integrations
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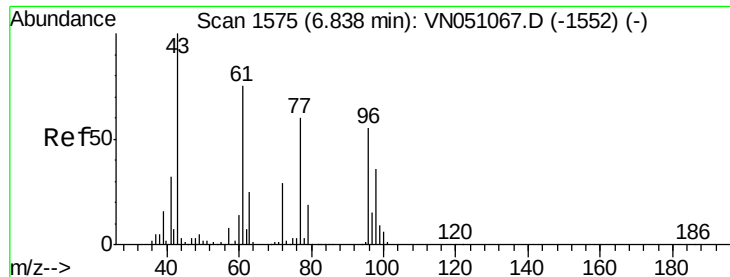
MMDadoda
 9/11/2018 9:41:17 AM



#24
 1,1-Dichloroethane
 Concen: 49.10 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	63	Resp	674795
Ion Ratio	100	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.3	2.1	6.3





#25

2-Butanone

Concen: 242.41 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 712169

Ion Ratio Lower Upper

43 100

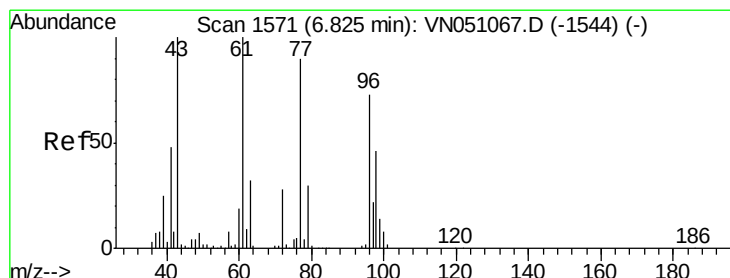
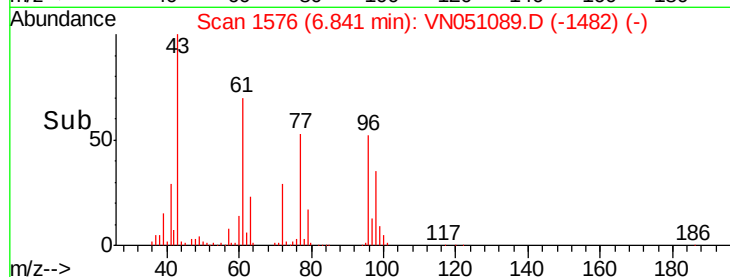
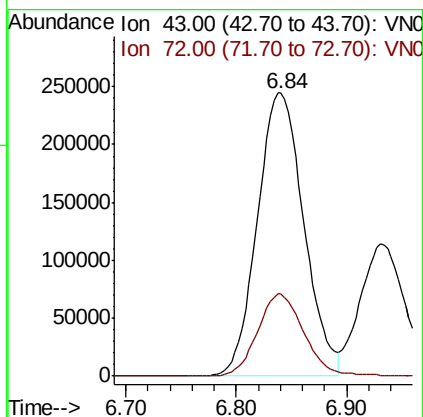
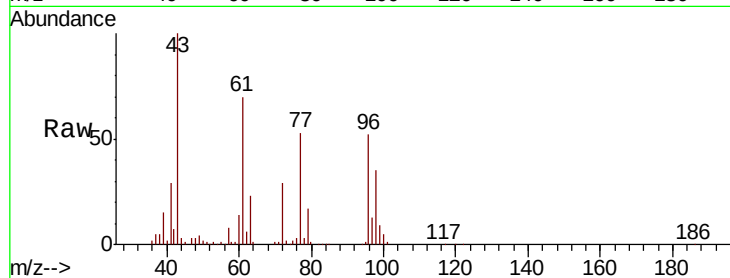
72 28.9 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

9/11/2018 9:41:17 AM



#26

2,2-Dichloropropane

Concen: 45.71 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051089.D

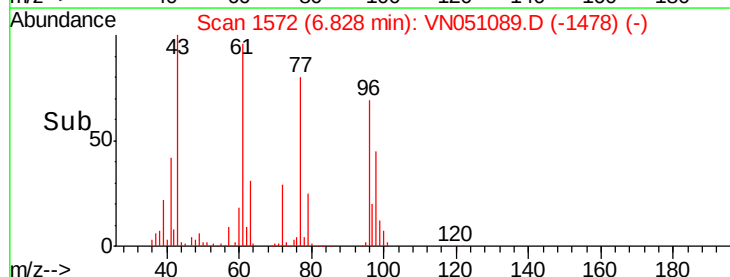
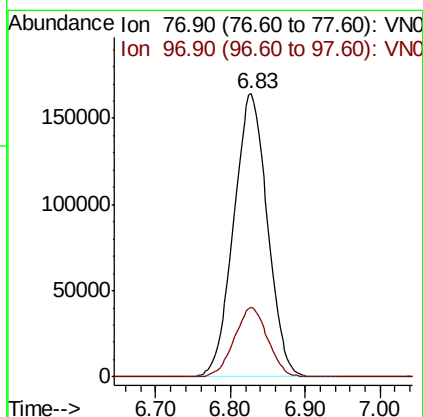
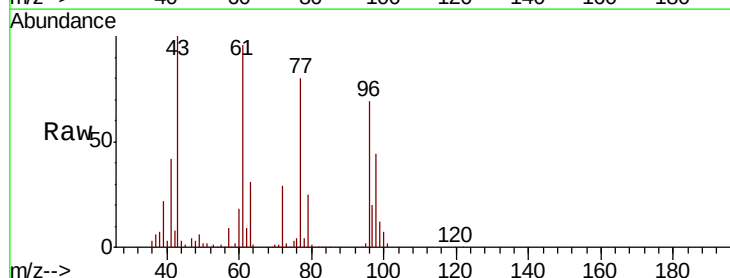
Acq: 10 Sep 2018 20:16

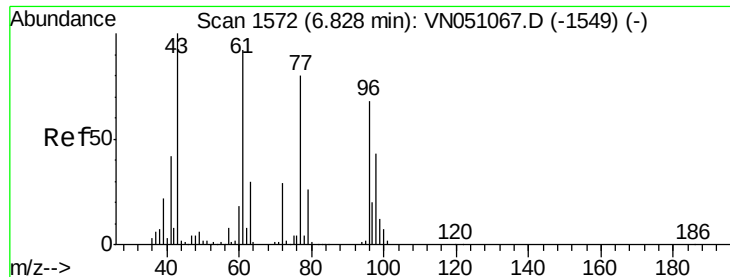
Tgt Ion: 77 Resp: 514177

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 48.94 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

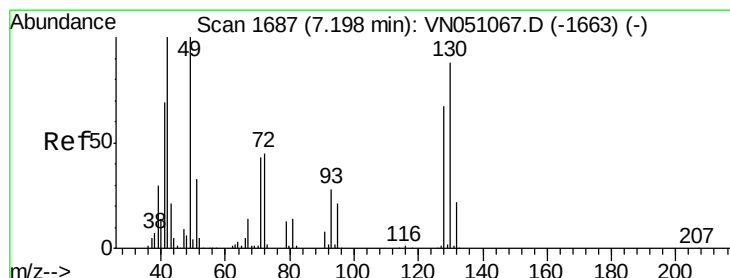
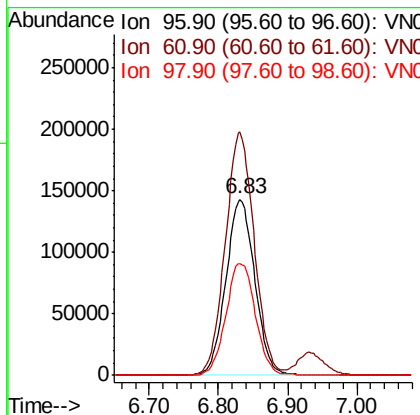
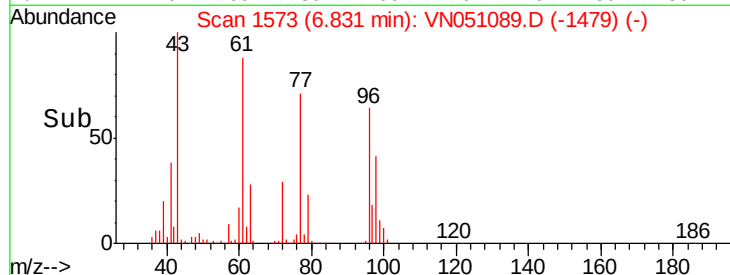
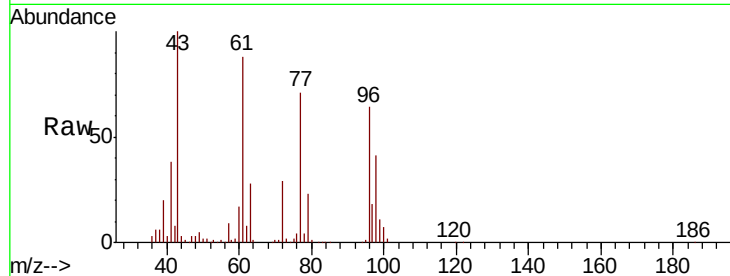
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	417081
Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	278.2
98	64.8	0.0	129.4

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#28

Bromochloromethane

Concen: 50.20 ug/l

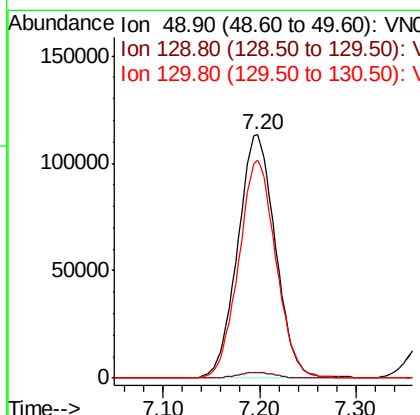
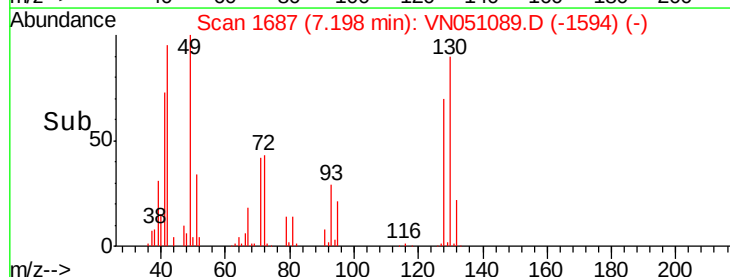
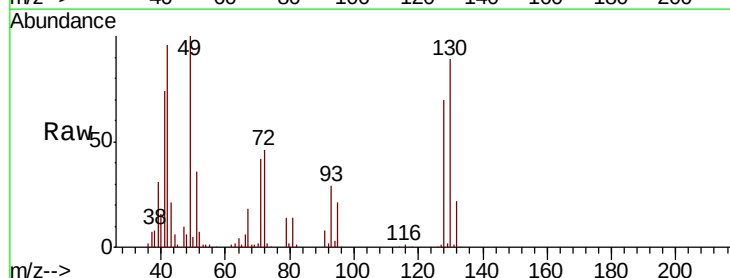
RT: 7.20 min Scan# 1687

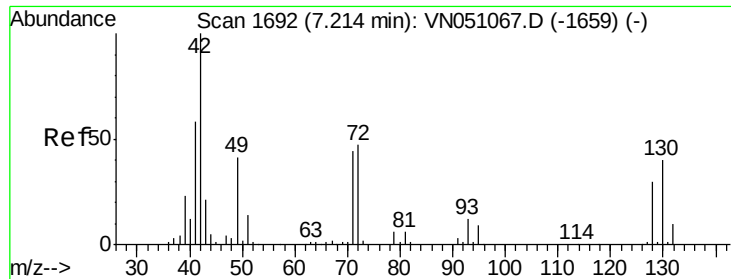
Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion:	49	Resp:	307060
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	88.4	70.7	106.1





#29

Tetrahydrofuran

Concen: 263.65 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 42 Resp: 483712

Ion Ratio Lower Upper

42 100

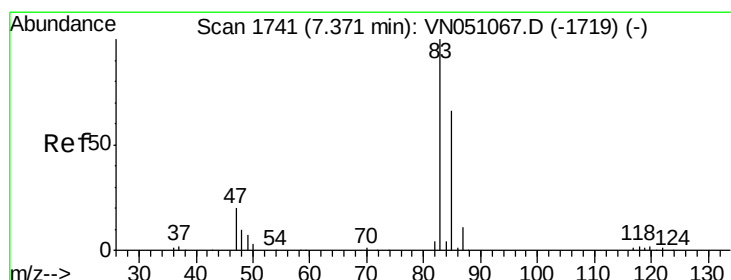
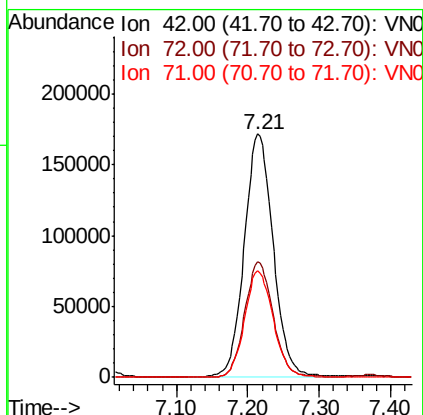
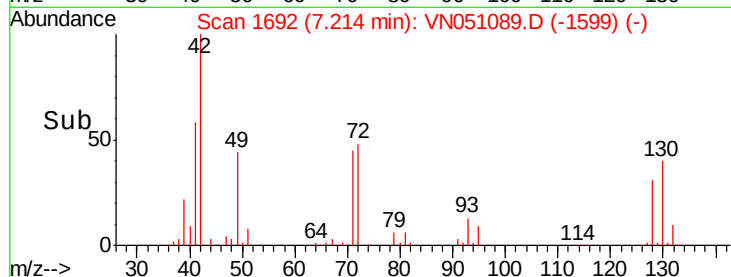
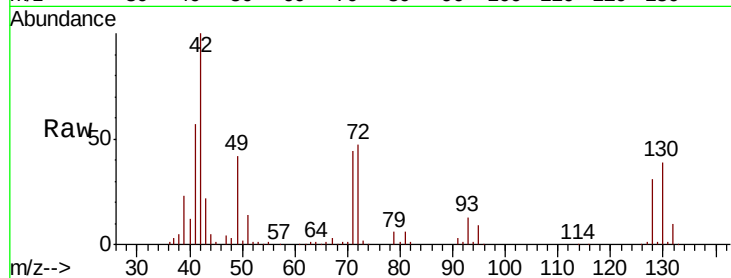
72 46.3 37.4 56.0

71 43.3 34.7 52.1

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#30

Chloroform

Concen: 49.65 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051089.D

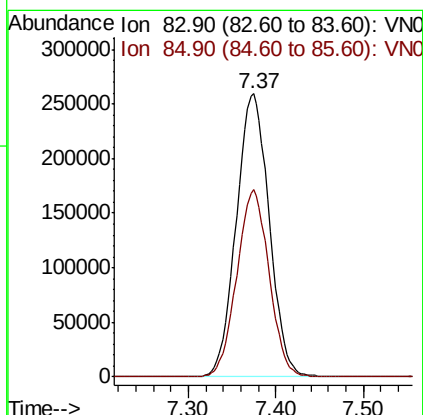
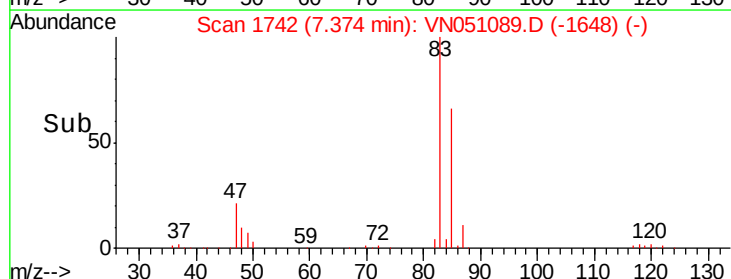
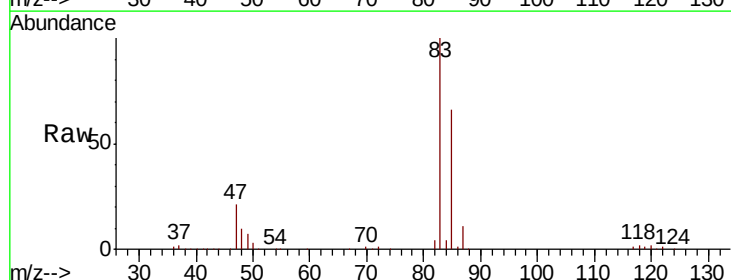
Acq: 10 Sep 2018 20:16

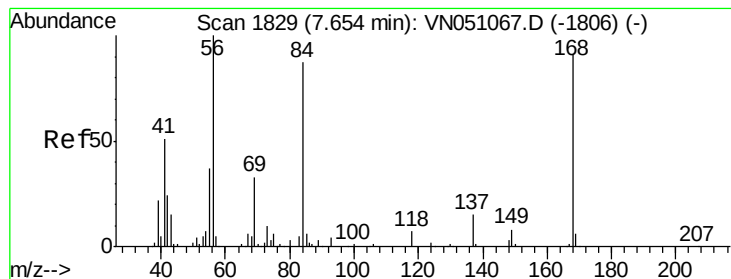
Tgt Ion: 83 Resp: 678845

Ion Ratio Lower Upper

83 100

85 66.0 52.6 79.0





#31

Cyclohexane

Concen: 48.90 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 599278

Ion Ratio Lower Upper

56 100

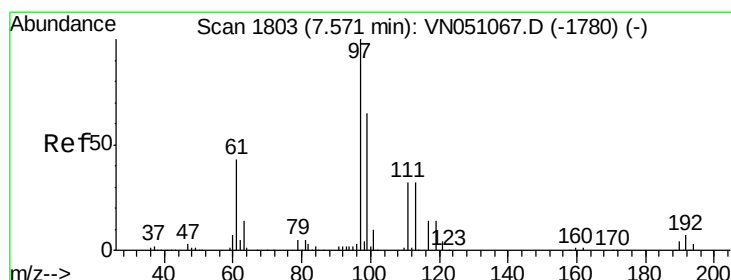
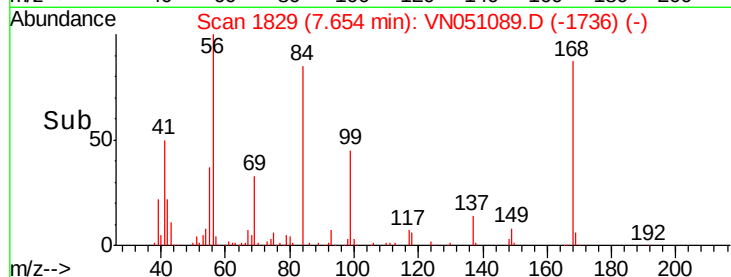
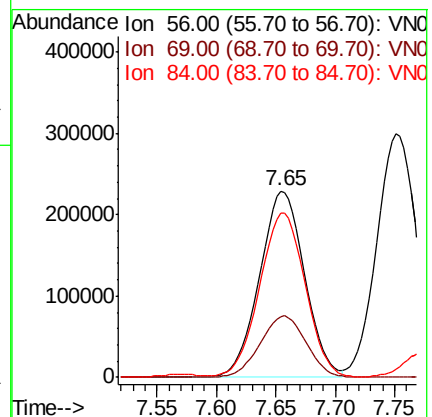
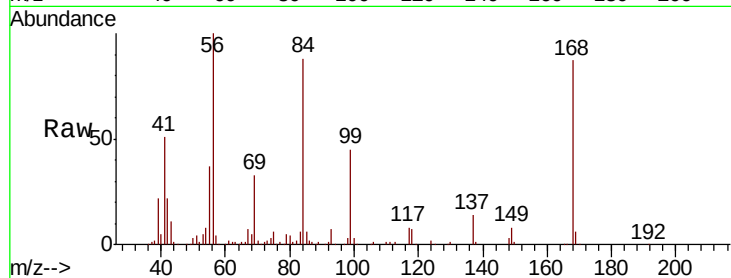
69 32.8 26.3 39.5

84 86.6 69.4 104.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.40 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

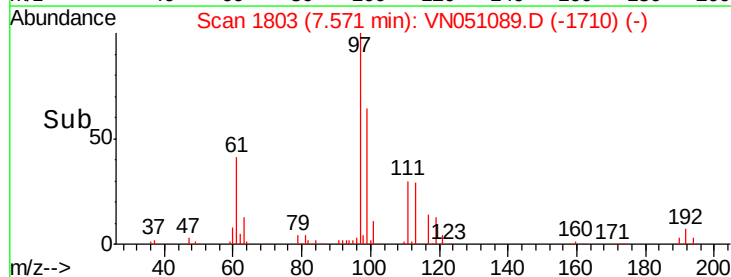
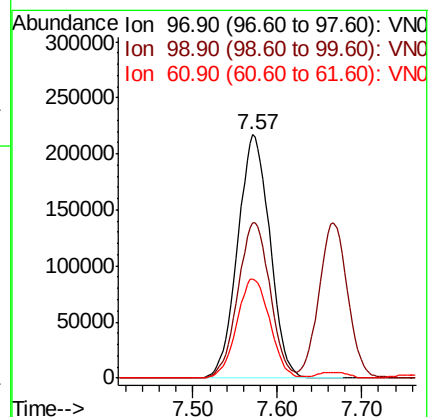
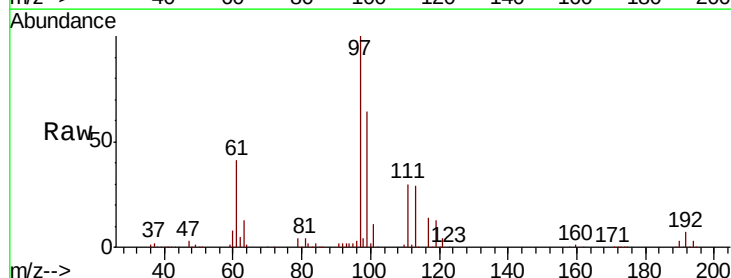
Tgt Ion: 97 Resp: 575525

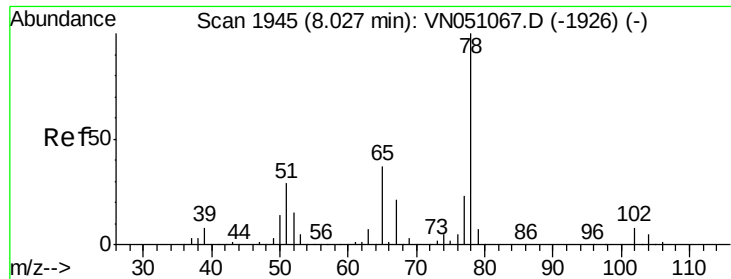
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 41.9 33.8 50.6





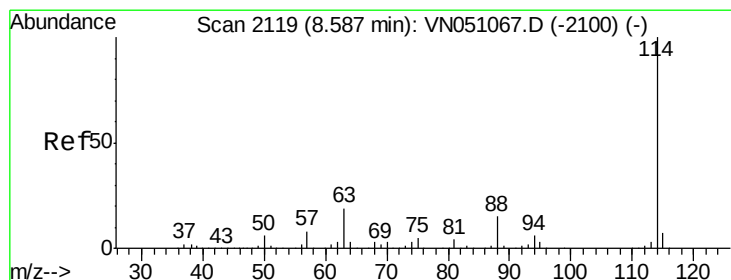
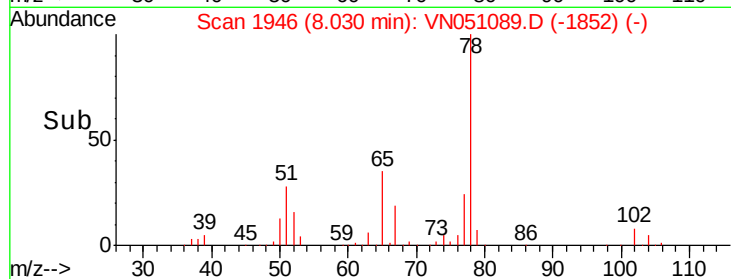
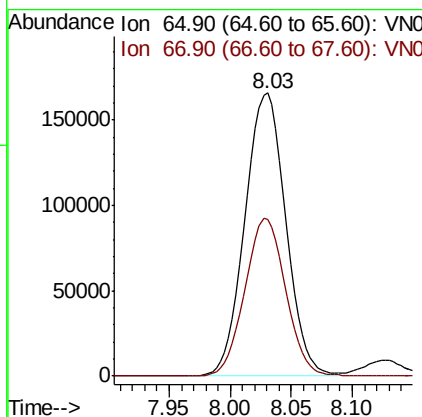
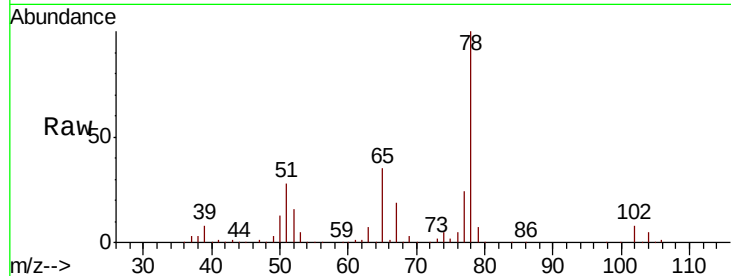
#33
 1,2-Dichloroethane-d4
 Concen: 51.60 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	385541		
67	55.4	0.0	112.0	

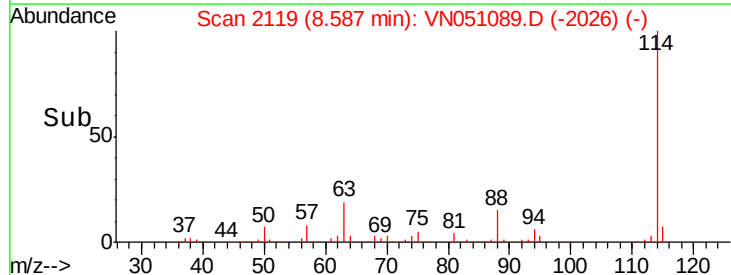
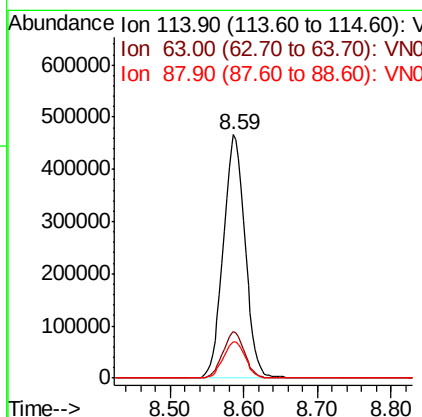
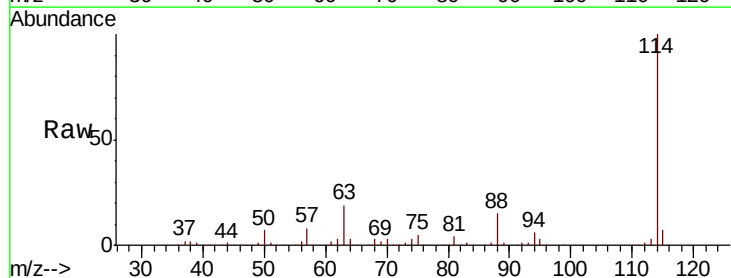
Manual Integrations
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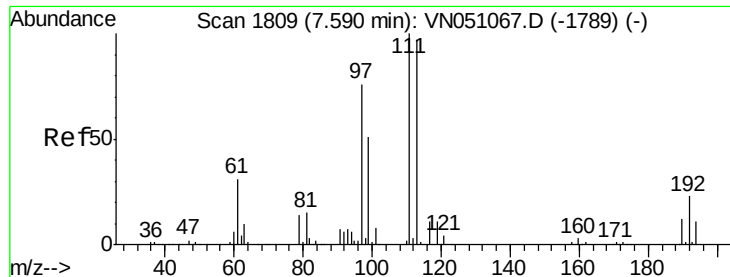
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	955981		
63	18.9	0.0	37.8	
88	15.0	0.0	30.8	





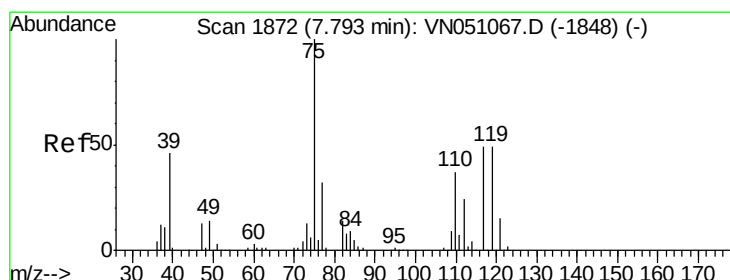
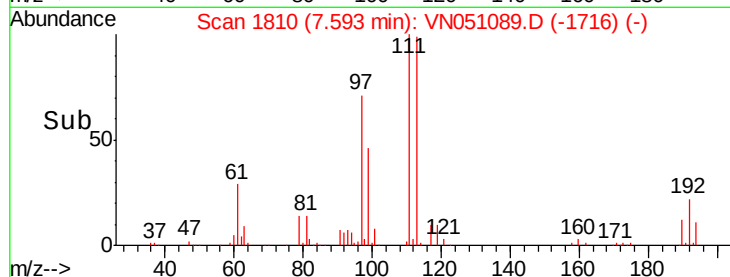
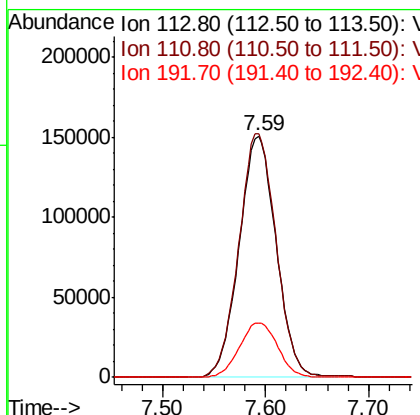
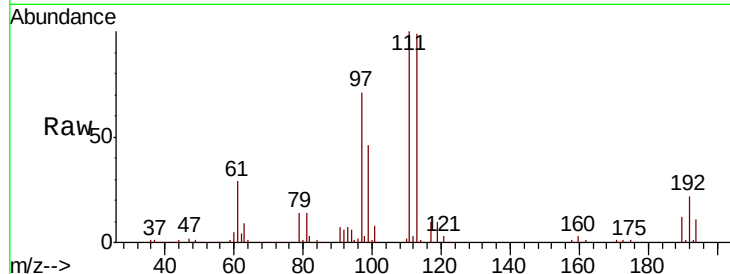
#35
 Dibromofluoromethane
 Concen: 52.28 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	83.0	124.6	
192	23.3	18.7	28.1	

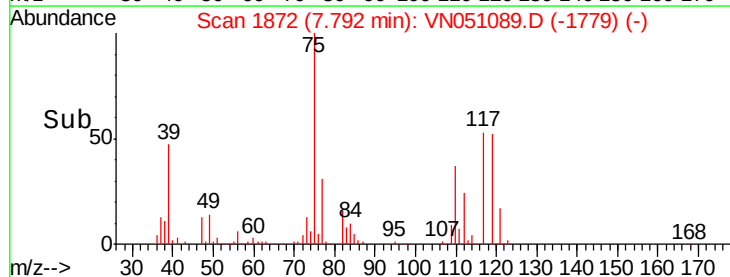
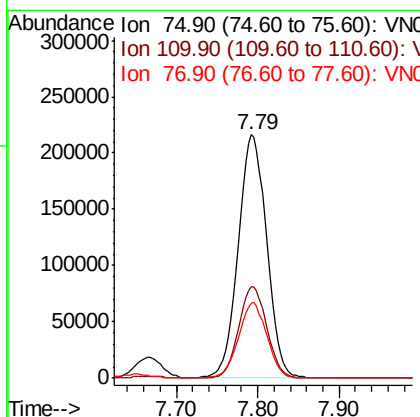
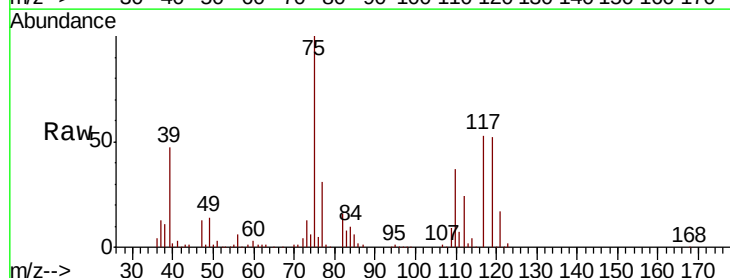
Manual Integrations
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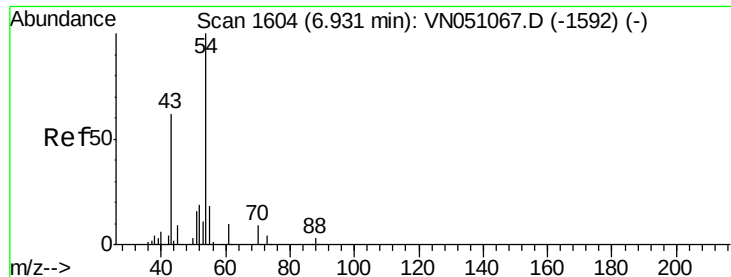
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.53 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	18.6	55.8	
77	31.0	25.2	37.8	





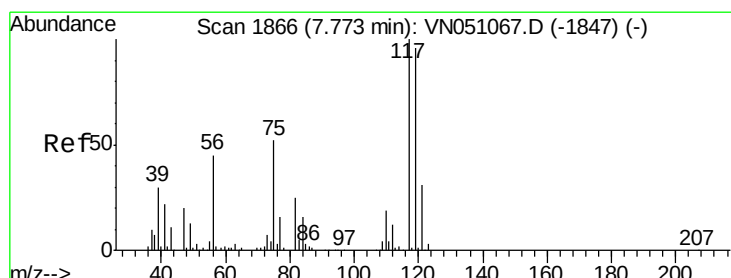
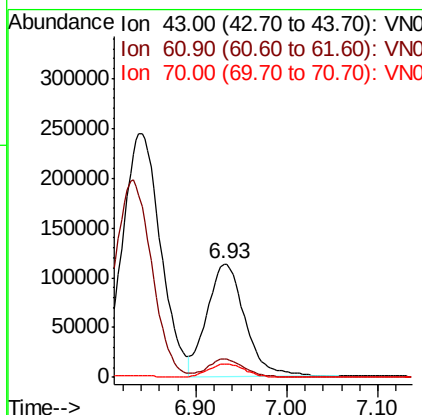
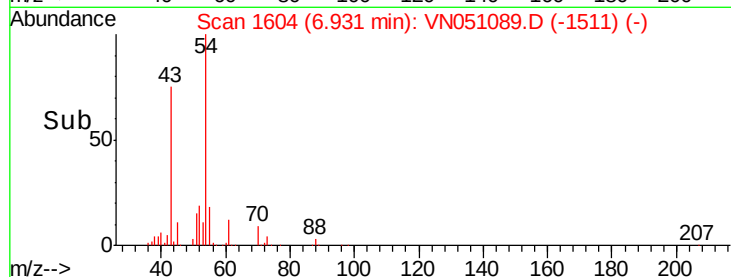
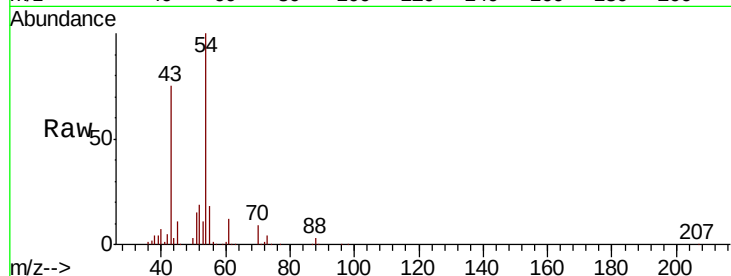
#37
Ethyl Acetate
Concen: 54.16 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	11.5	9.3	13.9

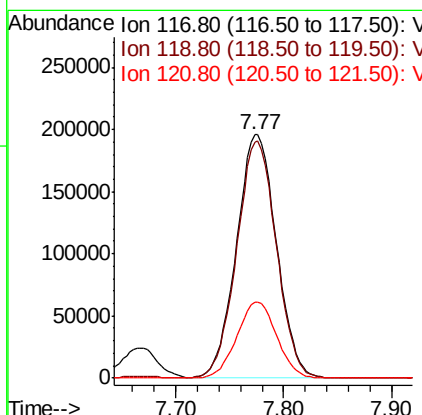
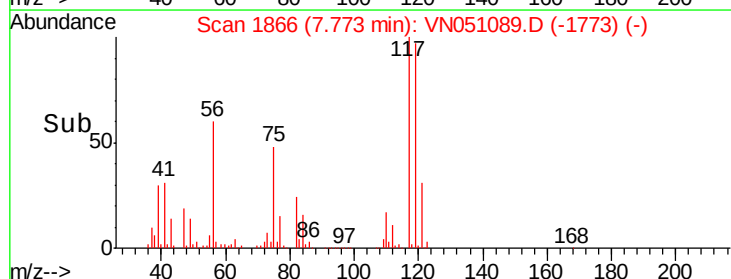
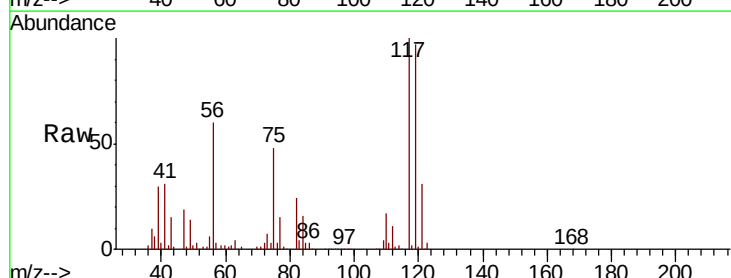
Manual Integrations
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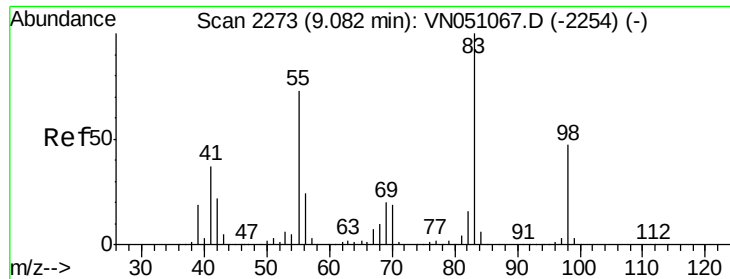
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.76 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.8	115.2
121	31.3	24.6	36.8





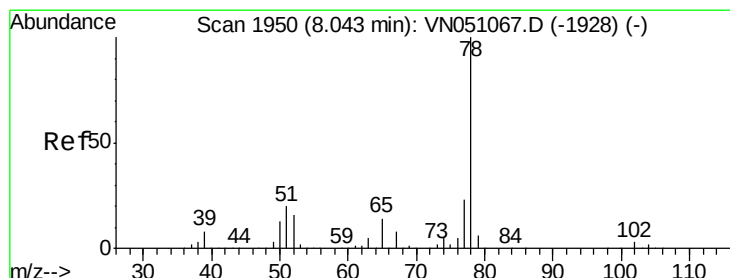
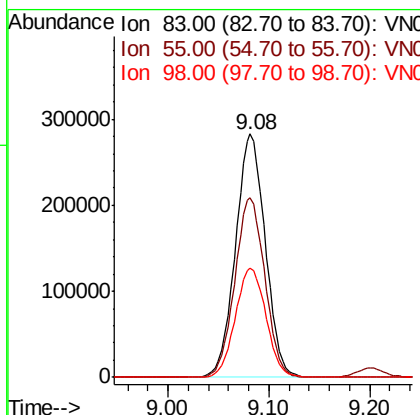
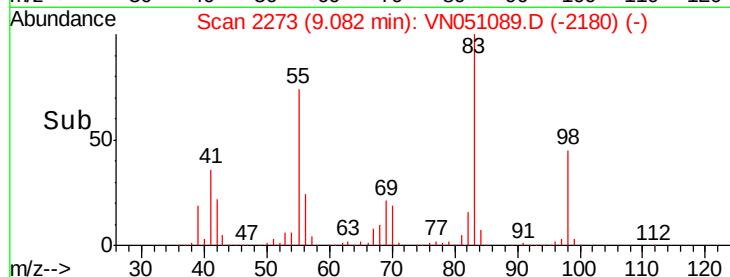
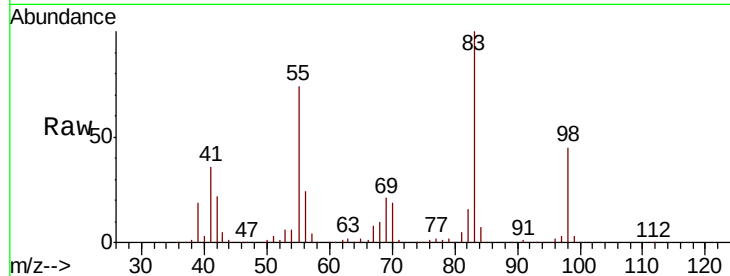
#39
Methylvlcyclohexane
Concen: 49.86 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	58.4	87.6
98	44.9	37.3	55.9

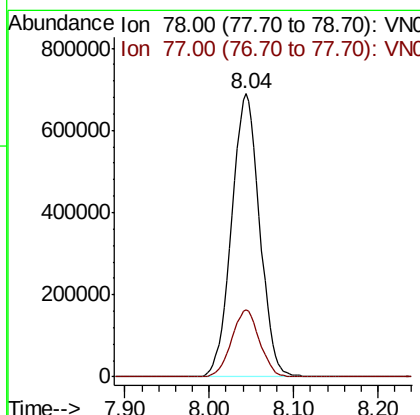
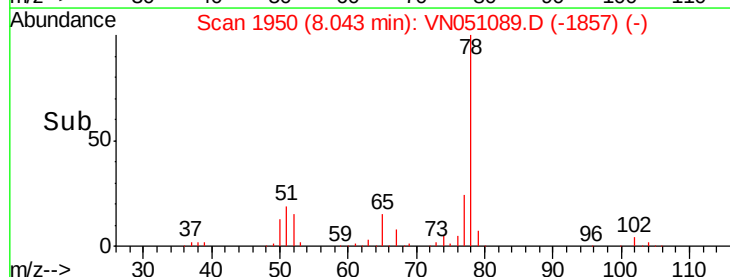
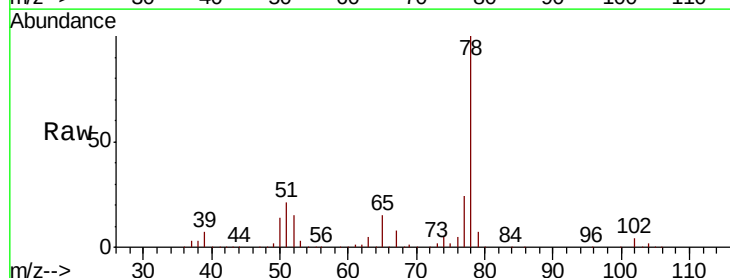
Manual Integrations
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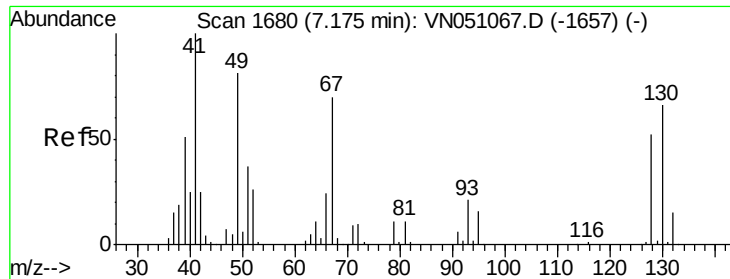
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#40
Benzene
Concen: 50.37 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.6	27.8





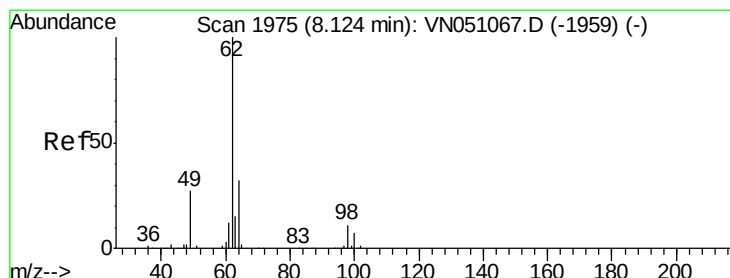
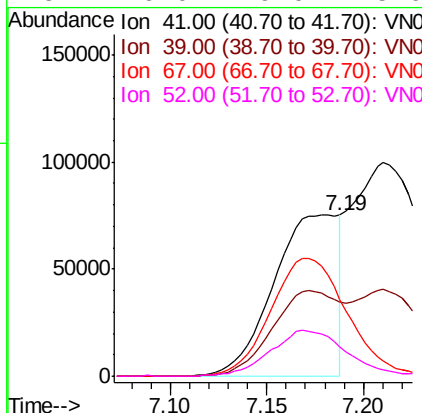
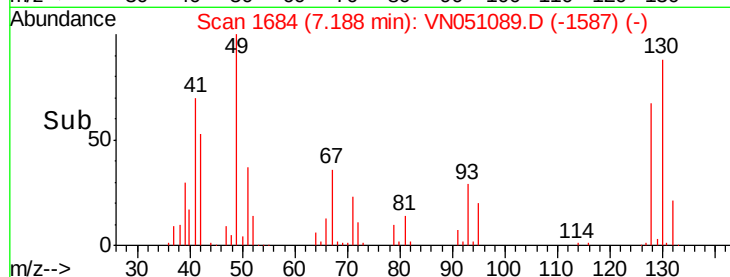
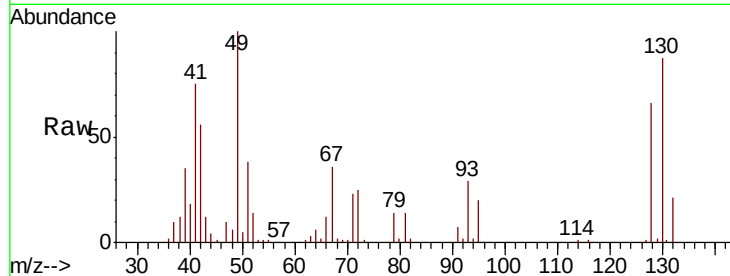
#41
Methacrylonitrile
Concen: 56.92 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.3	76.9#
67	0.0	78.5	117.7#
52	0.0	29.0	43.6#

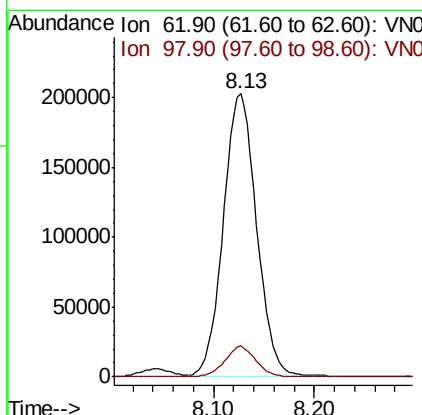
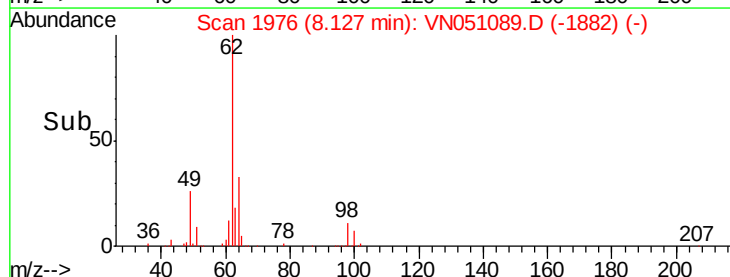
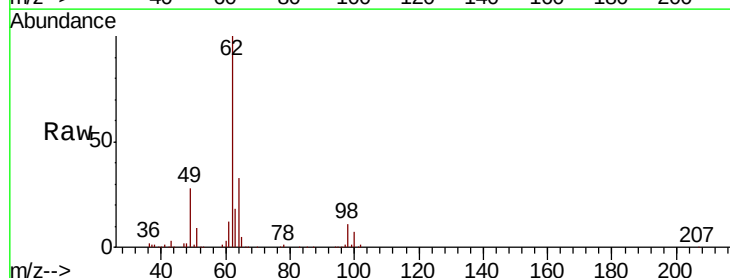
Manual Integrations
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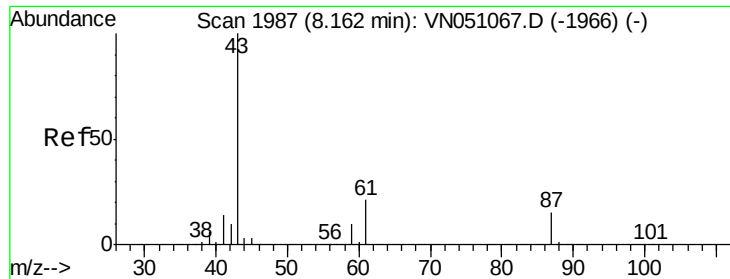
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.41 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





#43

Isopropyl Acetate

Concen: 51.95 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

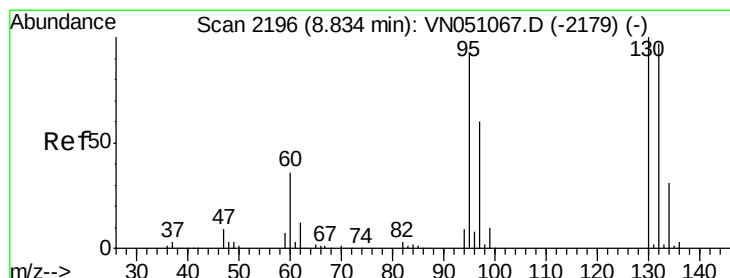
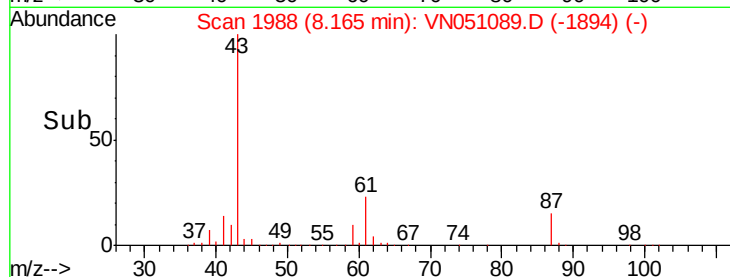
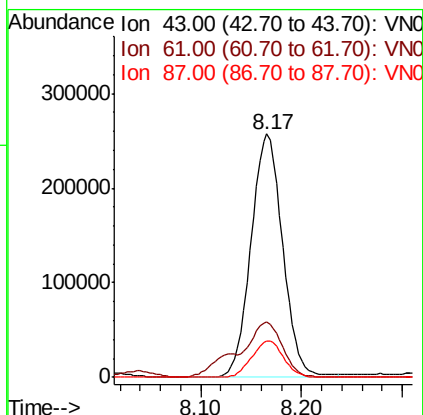
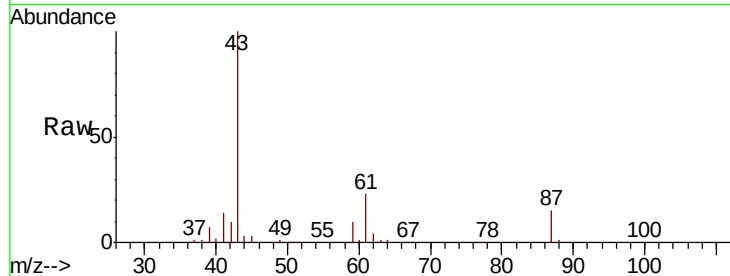
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	557187
Ion	Ratio	Lower	Upper
43	100		
61	22.9	25.0	37.6#
87	15.1	11.8	17.8

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#44

Trichloroethene

Concen: 48.57 ug/l

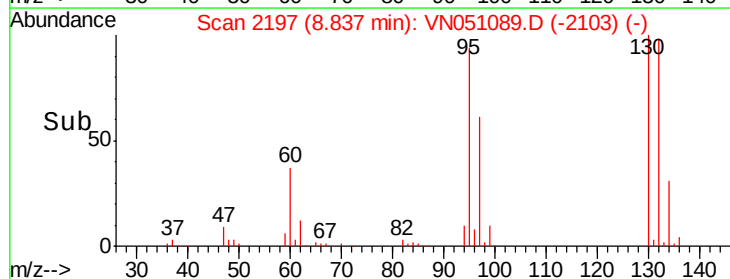
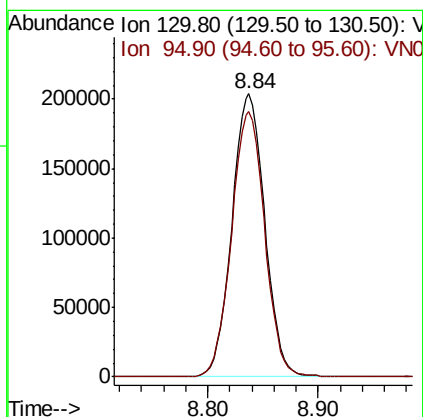
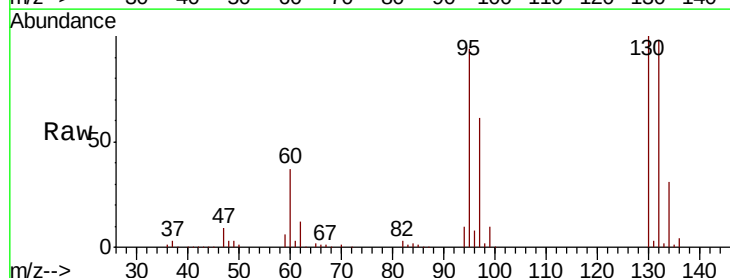
RT: 8.84 min Scan# 2197

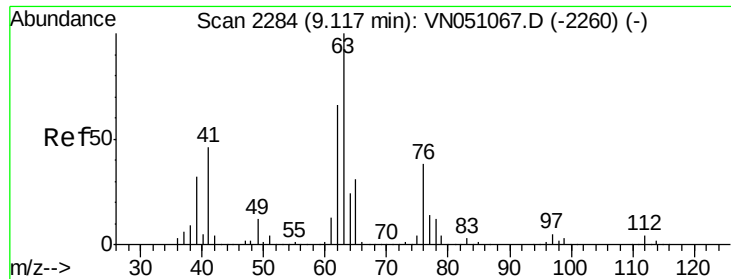
Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion:	130	Resp:	420173
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	186.2





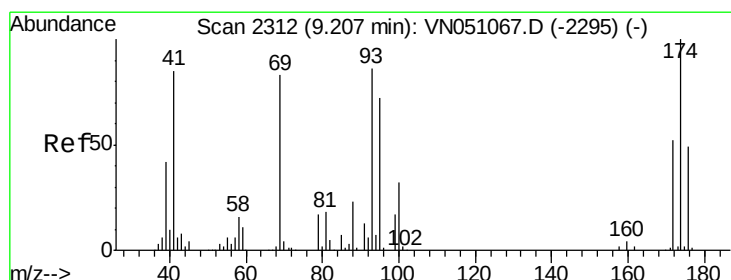
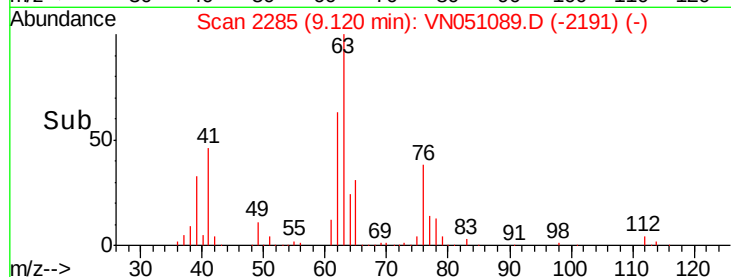
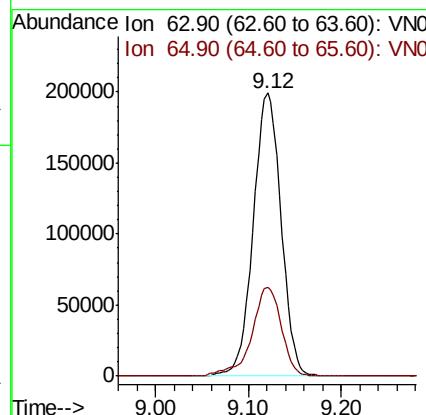
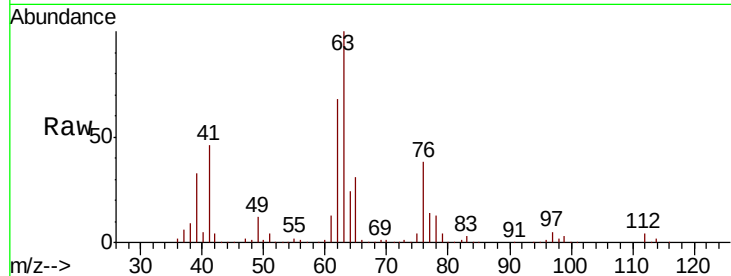
#45
 1,2-Dichloropropane
 Concen: 50.71 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 414435
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.7 37.1

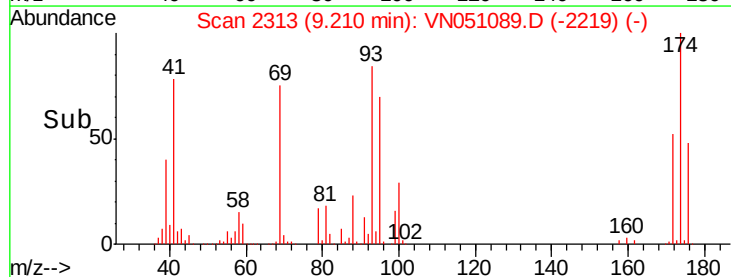
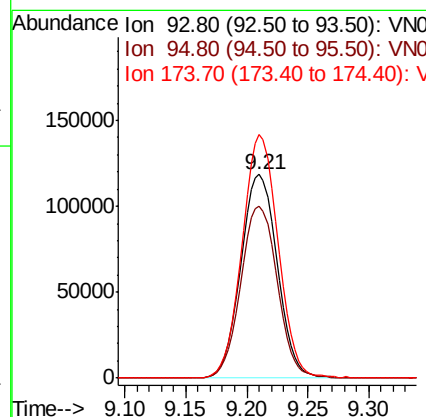
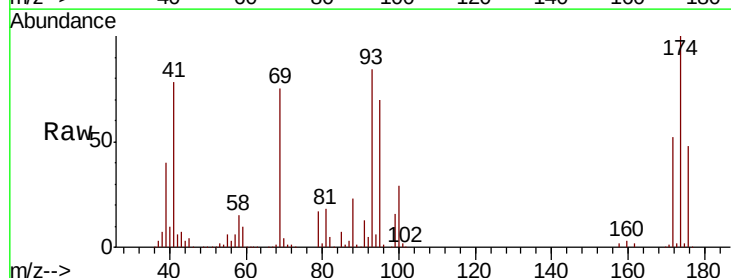
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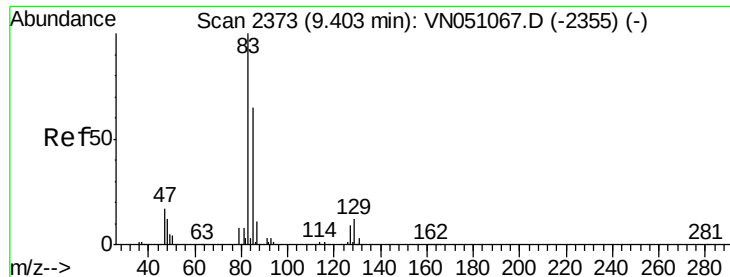
MMDadoda
 9/11/2018 9:41:17 AM



#46
 Dibromomethane
 Concen: 49.36 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion: 93 Resp: 246128
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.8 100.2
 174 117.2 93.3 139.9





#47

Bromodichloromethane

Concen: 50.73 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

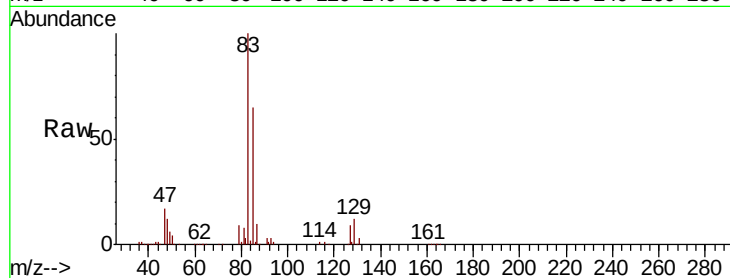
ClientSampleId :

VSTDCCC050

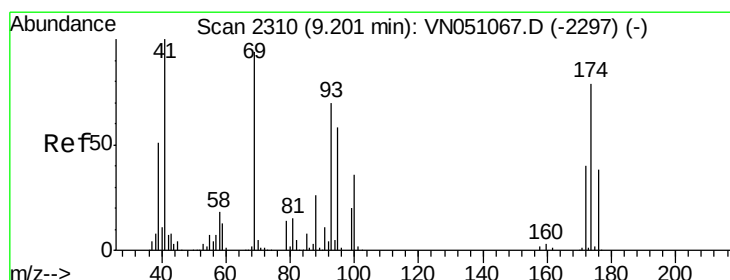
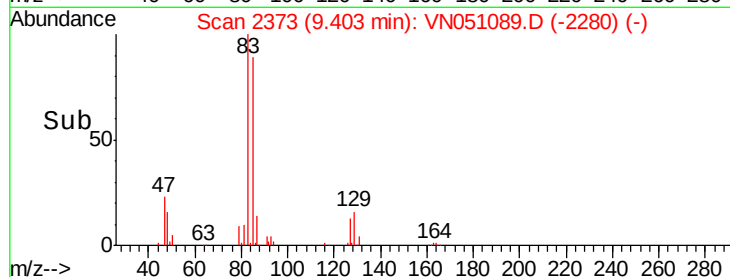
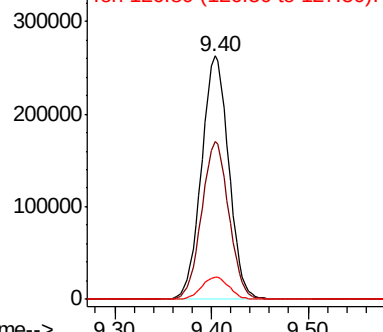
Tot Ion:	83	Resp:	514328
Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5
127	9.3	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VN051089.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.20 ug/l

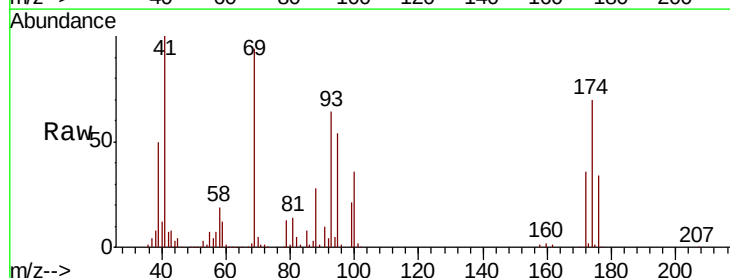
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

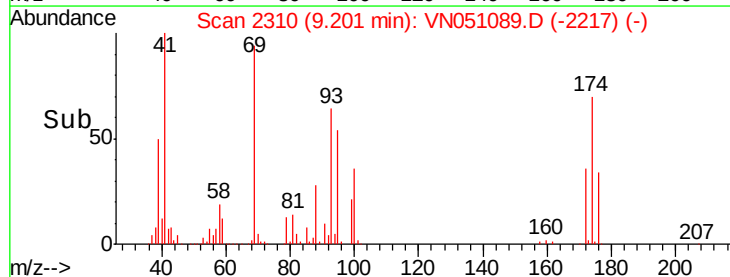
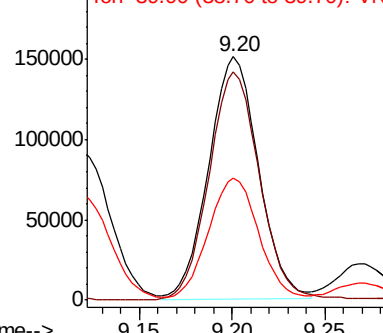
Lab File: VN051089.D

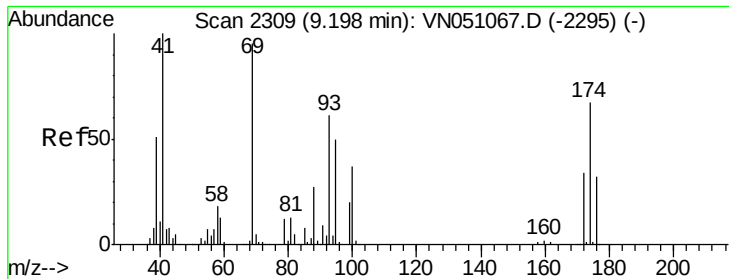
Acq: 10 Sep 2018 20:16

Tgt Ion:	41	Resp:	283311
Ion	Ratio	Lower	Upper
41	100		
69	96.1	77.7	116.5
39	50.8	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN051089.D (-2217) (-)





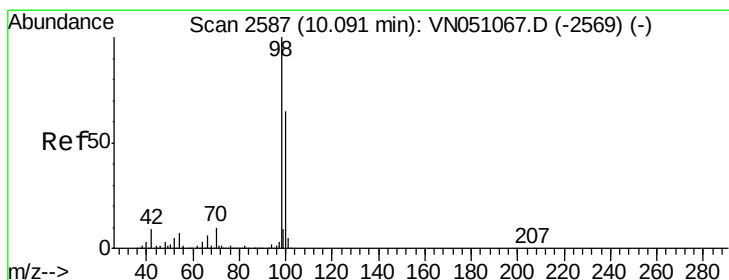
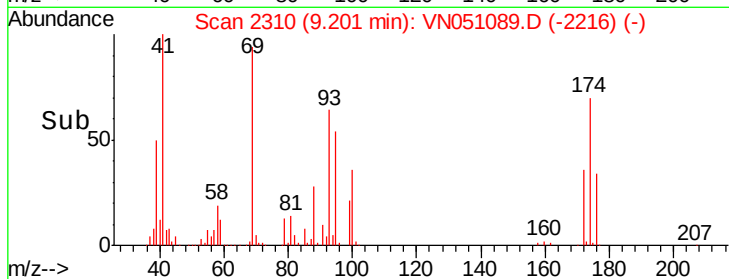
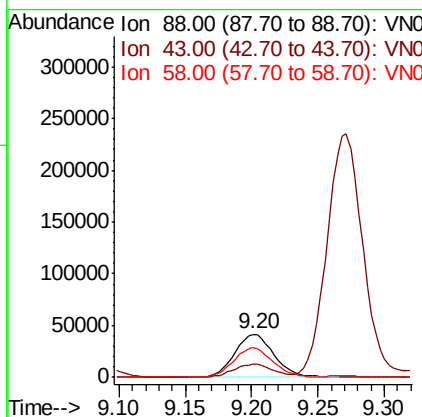
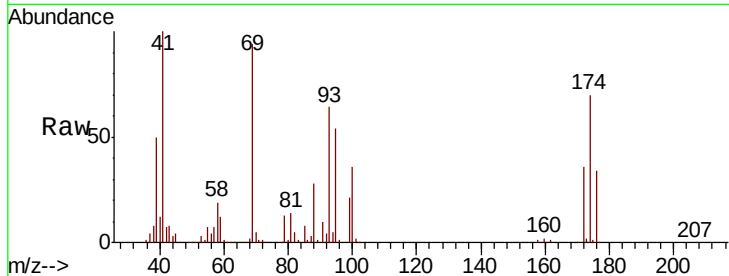
#49
1,4-Dioxane
Concen: 1055.12 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	86483
Ion Ratio	100	Lower	Upper
88	100		
43	29.1	23.7	35.5
58	68.3	54.6	82.0

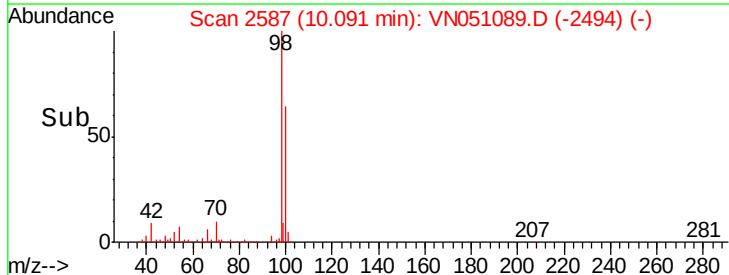
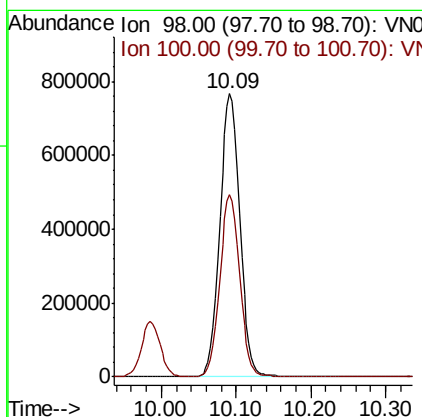
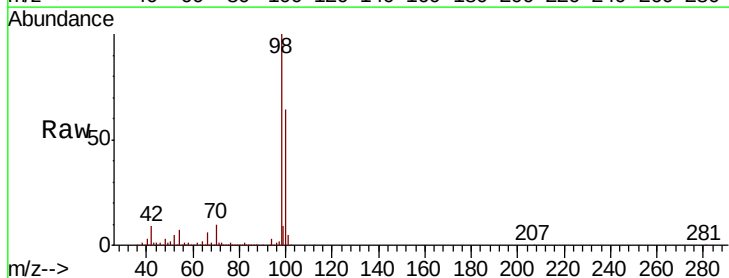
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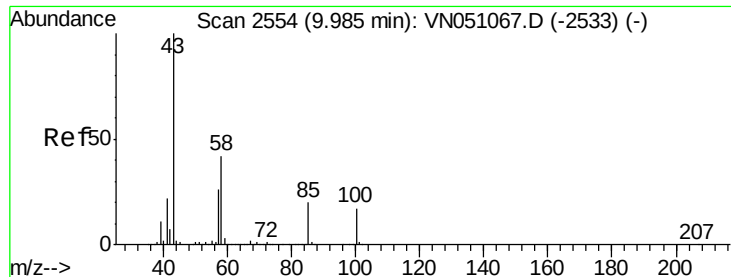
MMDadoda
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#50
Toluene-d8
Concen: 52.07 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	98	Resp	1419347
Ion Ratio	100	Lower	Upper
98	100		
100	63.8	52.0	78.0





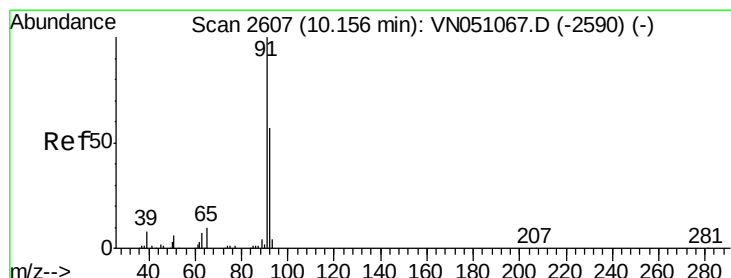
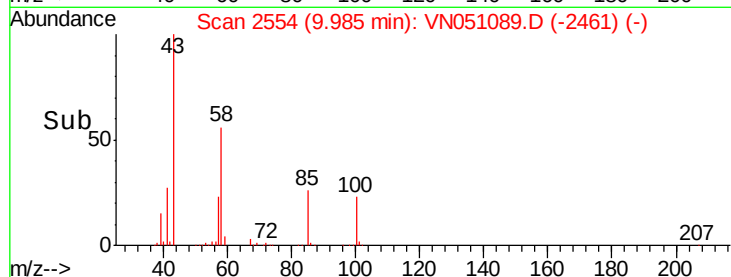
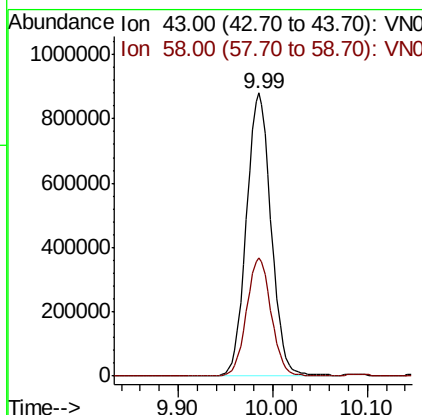
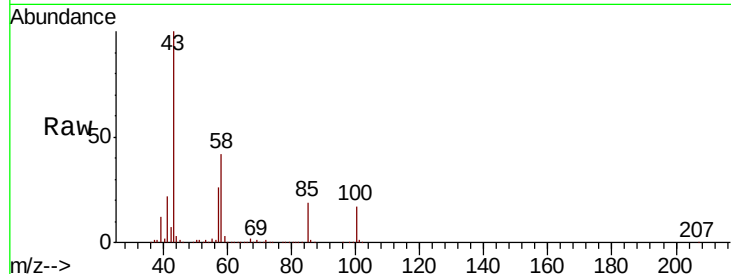
#51
 4-Methyl-2-Pentanone
 Concen: 268.52 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1592691
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.5 50.3

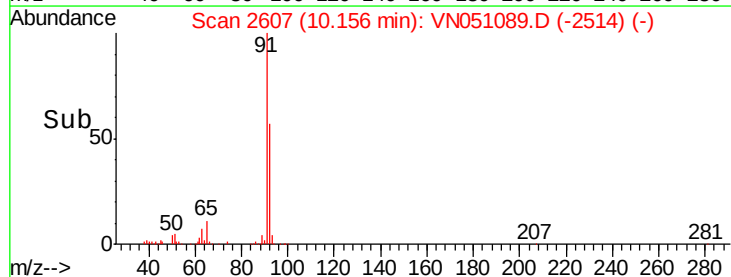
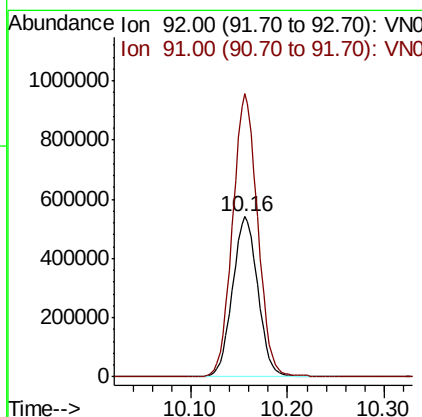
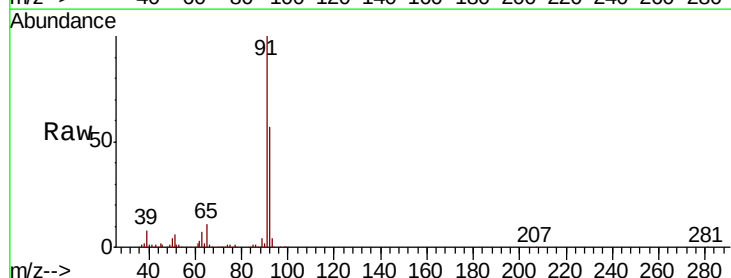
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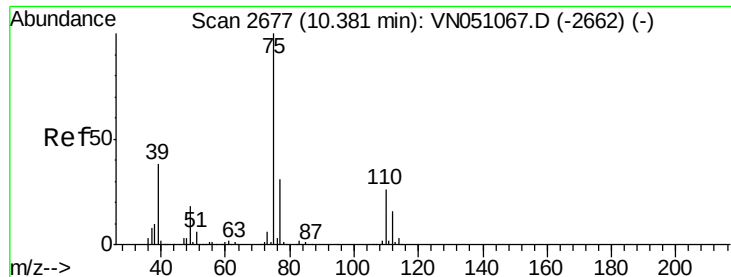
MMDadoda
 9/11/2018 9:41:17 AM



#52
 Toluene
 Concen: 51.19 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion: 92 Resp: 987267
 Ion Ratio Lower Upper
 92 100
 91 174.8 139.5 209.3





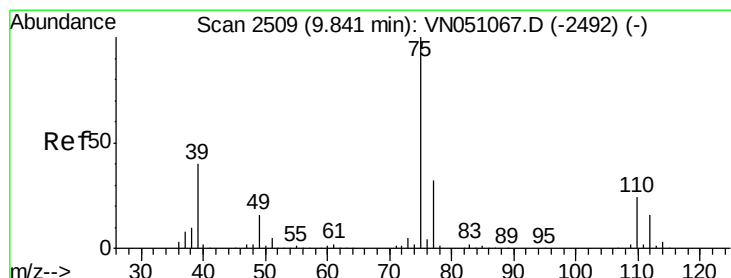
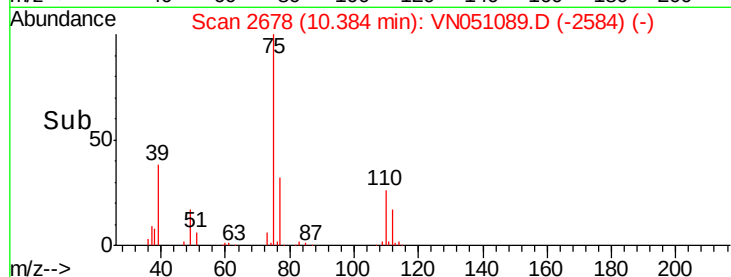
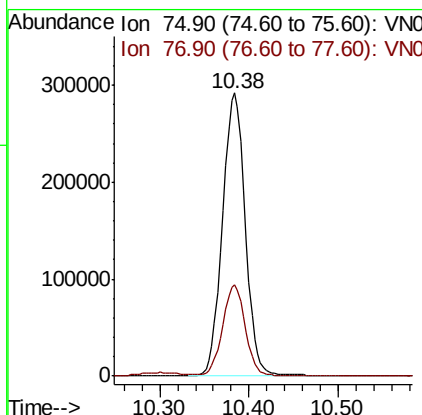
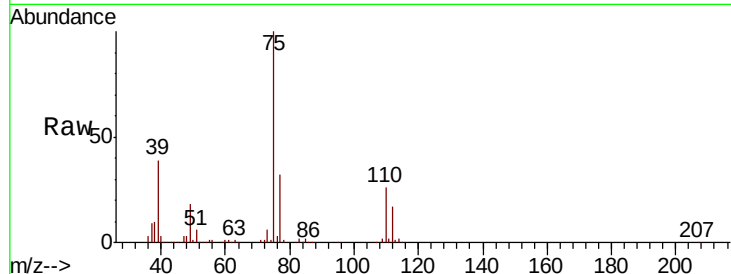
#53
t-1,3-Dichloropropene
Concen: 50.99 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 517425
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9

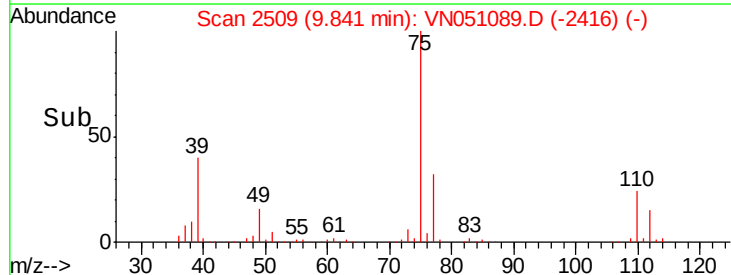
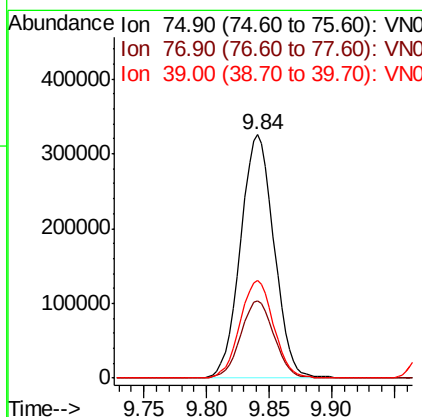
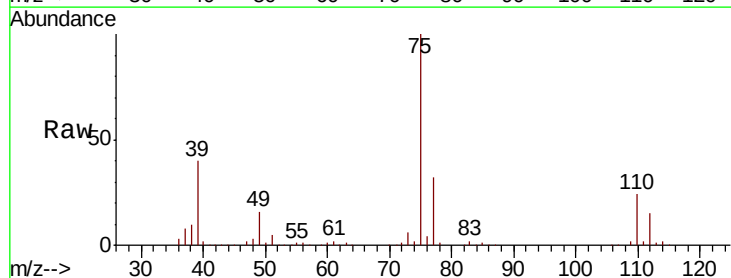
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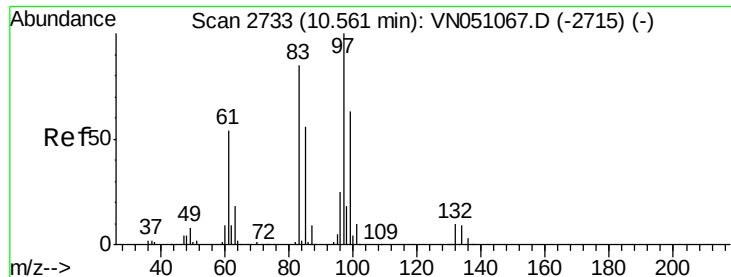
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 50.96 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 75 Resp: 606310
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
39 40.1 31.9 47.9





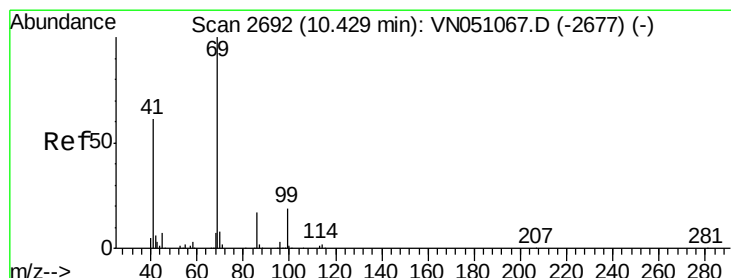
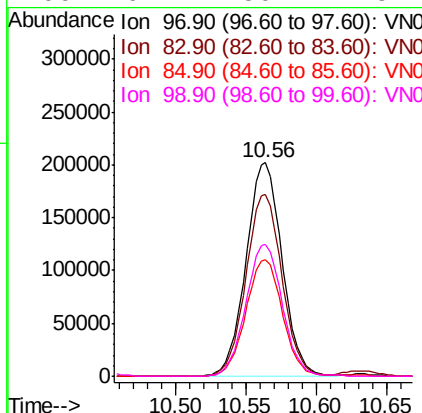
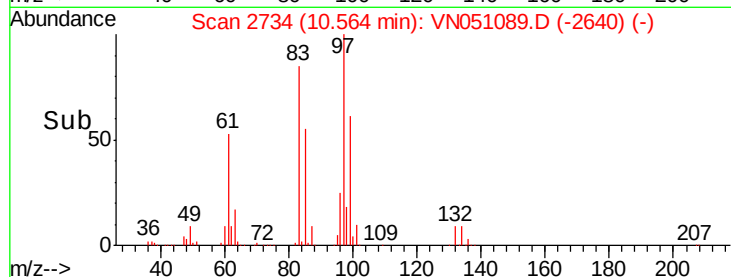
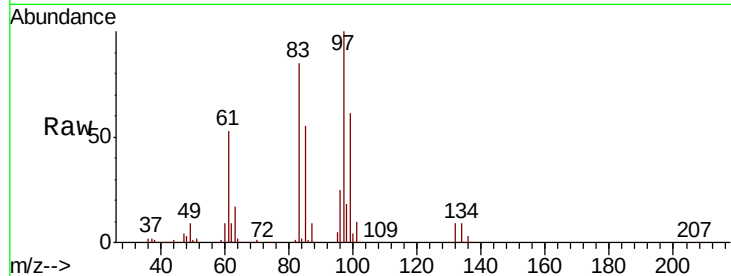
#55
 1,1,2-Trichloroethane
 Concen: 51.66 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	361915
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.2
85	54.6	44.8	67.2
99	61.4	50.2	75.4

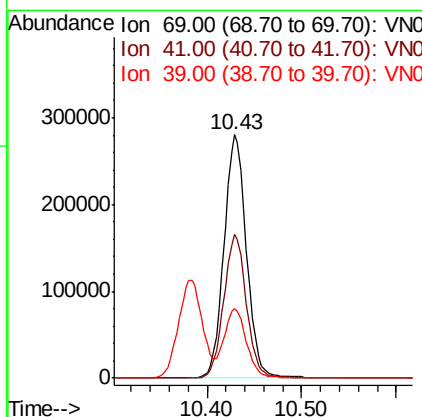
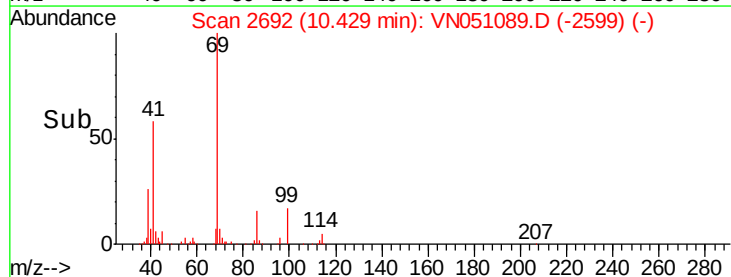
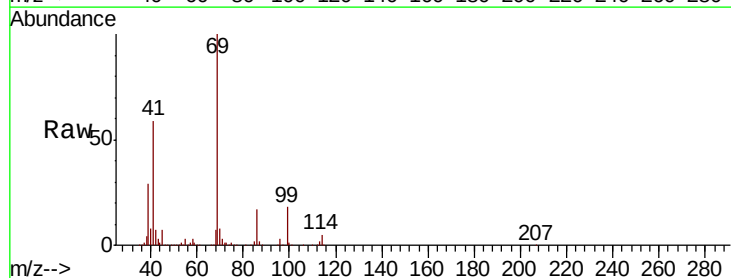
Manual Integrations
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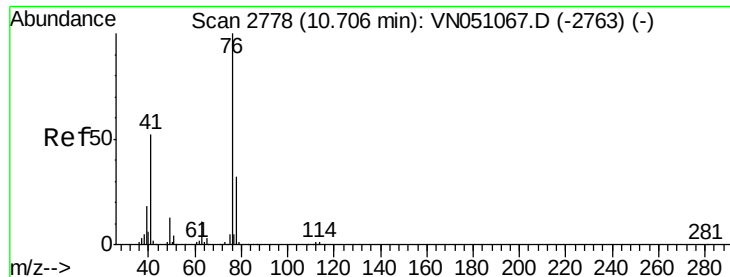
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 49.27 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion:	69	Resp:	462838
Ion	Ratio	Lower	Upper
69	100		
41	58.6	47.8	71.8
39	28.8	23.0	34.4





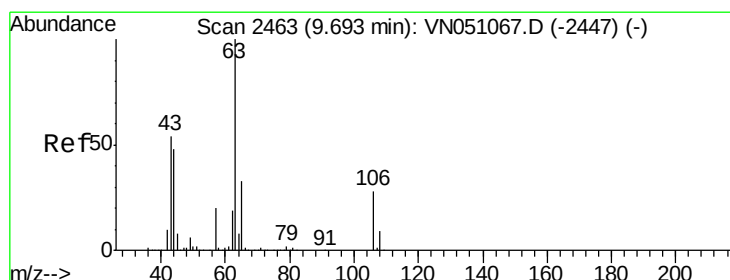
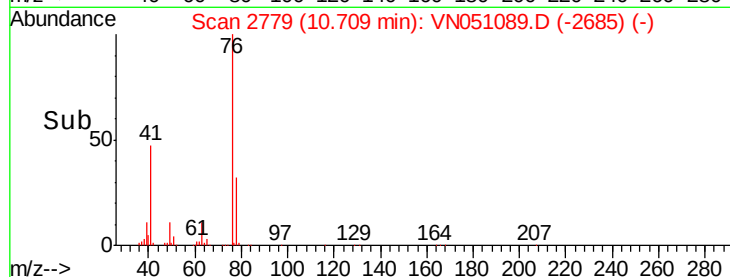
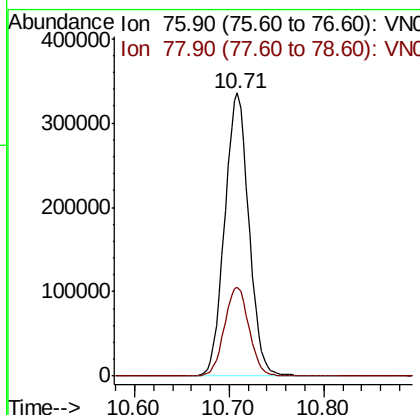
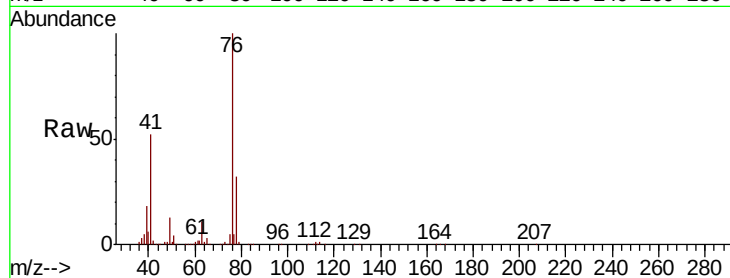
#57
 1,3-Dichloropropane
 Concen: 51.40 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

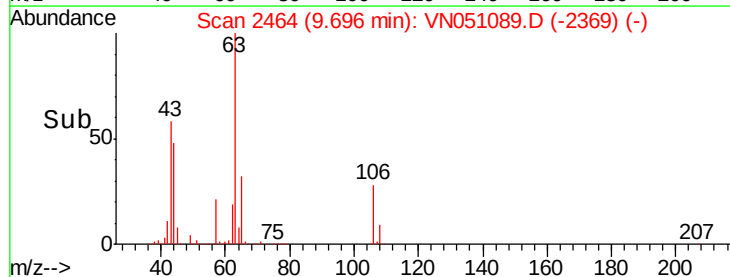
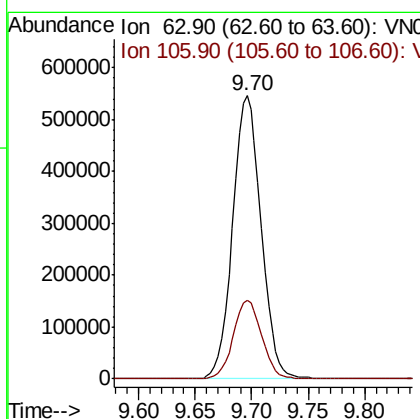
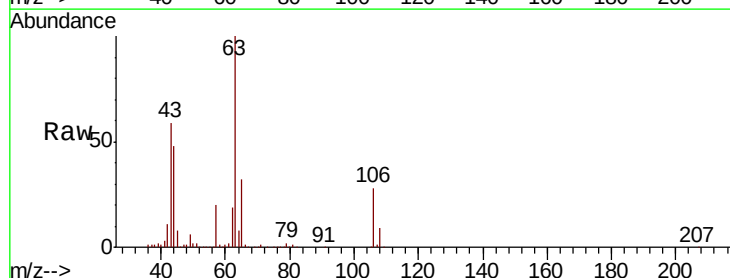
Manual Integrations
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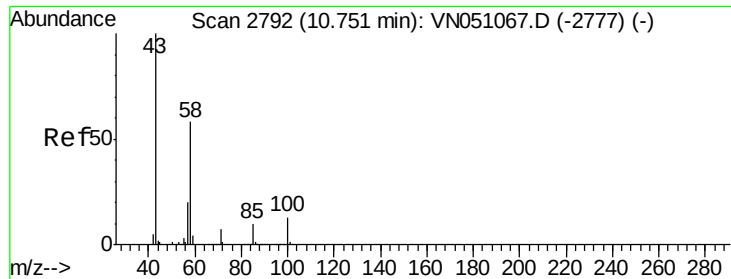
MMDadoda
 9/11/2018 9:41:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.47 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.5	33.7





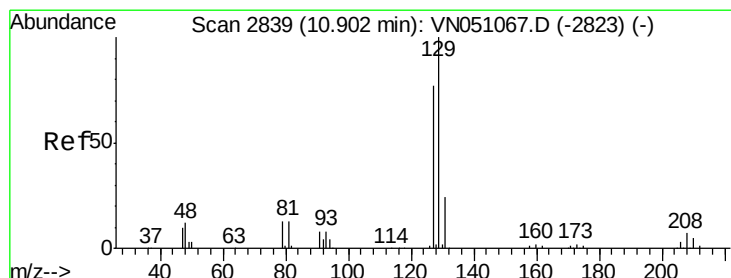
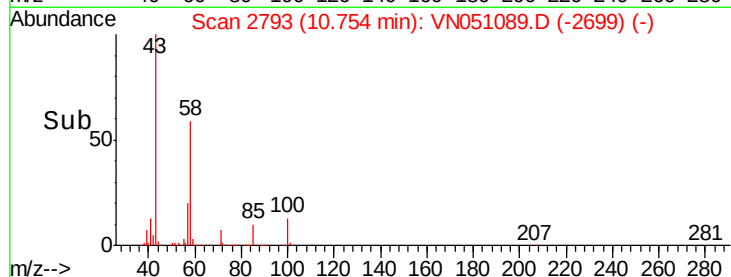
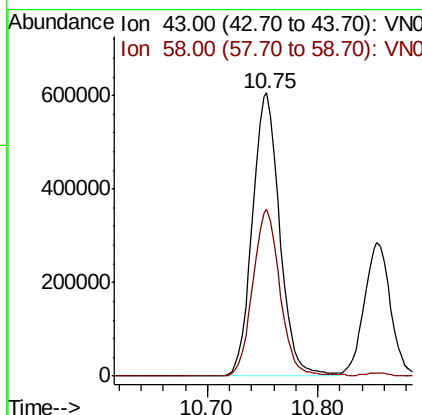
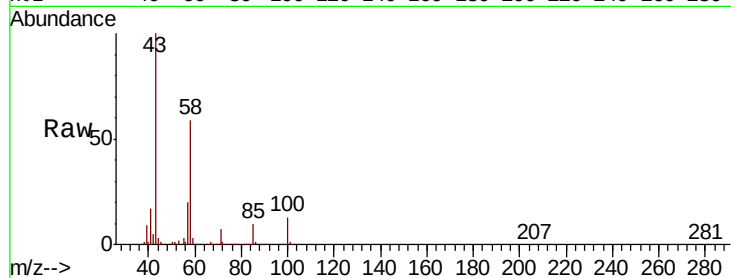
#59
2-Hexanone
Concen: 258.45 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1039615
Ion Ratio Lower Upper
43 100
58 58.8 29.3 88.0

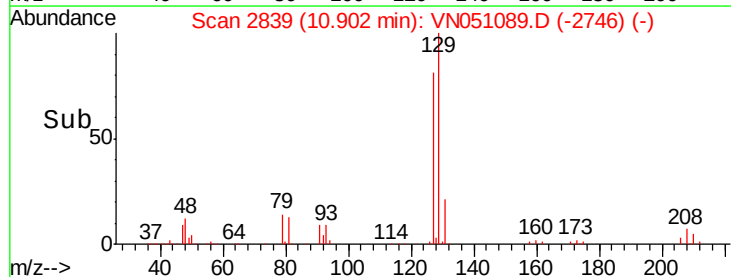
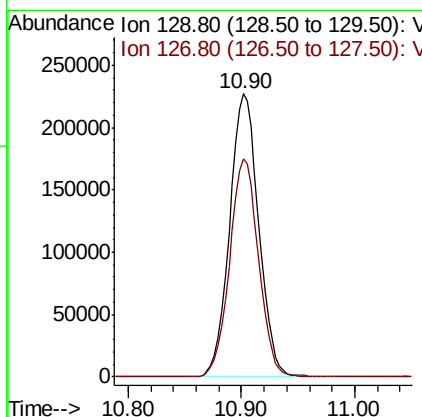
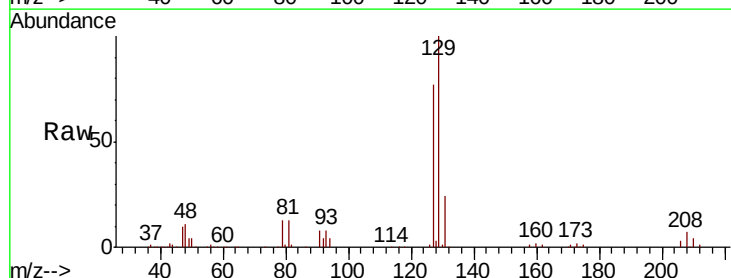
Manual Integrations
APPROVED

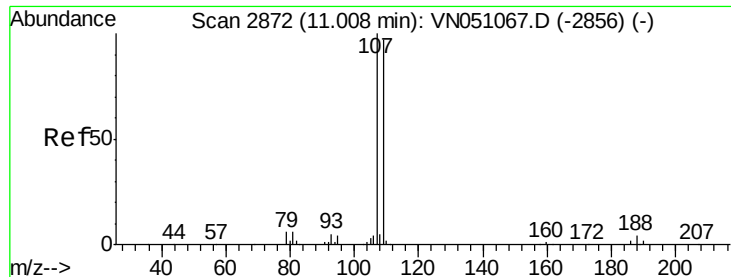
MMDadoda
9/11/2018 9:41:17 AM



#60
Dibromochloromethane
Concen: 51.39 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 129 Resp: 405786
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 51.73 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 354257

Ion Ratio Lower Upper

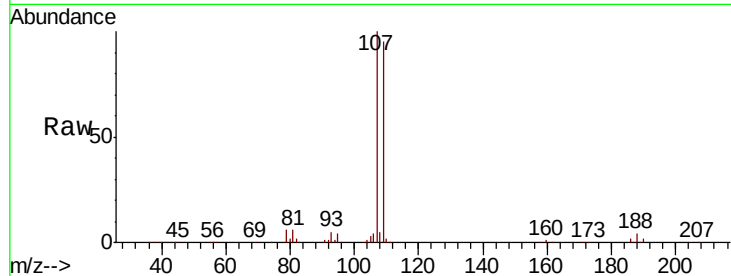
107 100

109 95.0 76.0 114.0

Manual Integrations
APPROVED

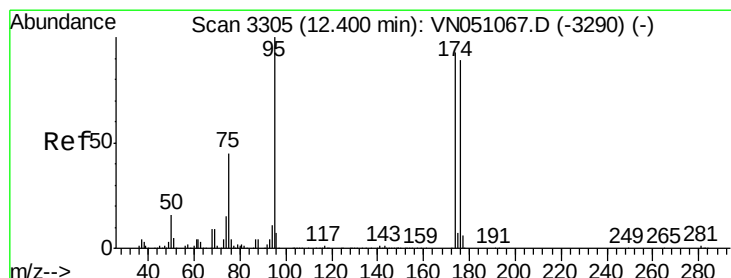
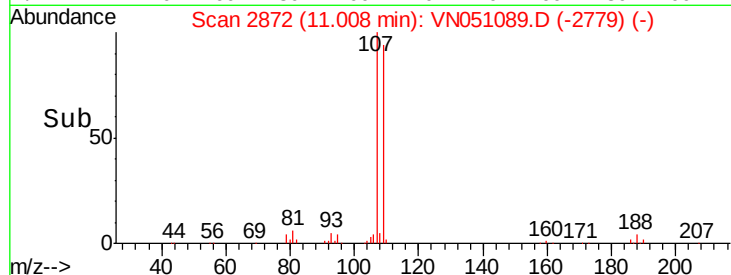
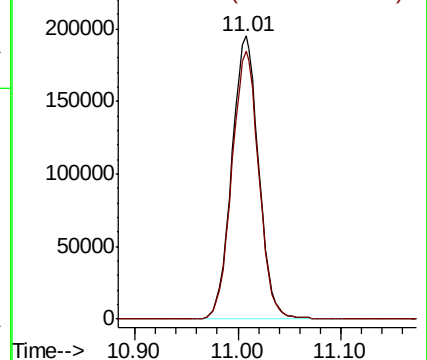
MMDadoda

9/11/2018 9:41:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.82 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

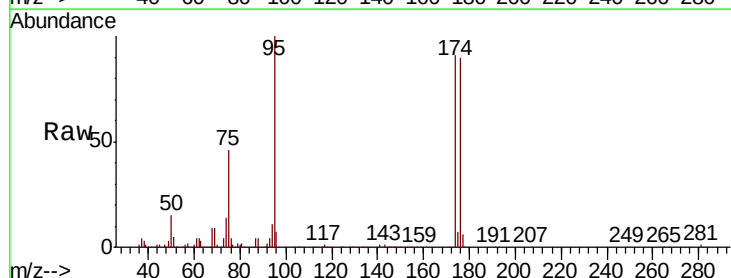
Tgt Ion: 95 Resp: 476226

Ion Ratio Lower Upper

95 100

174 91.3 0.0 184.8

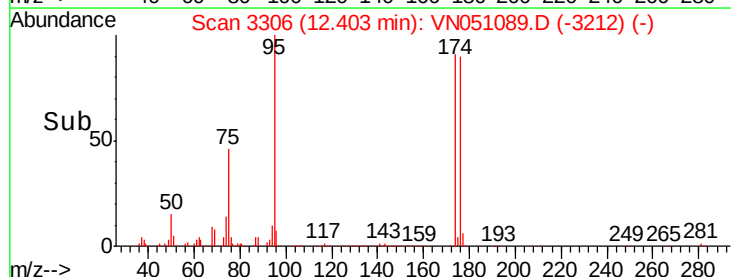
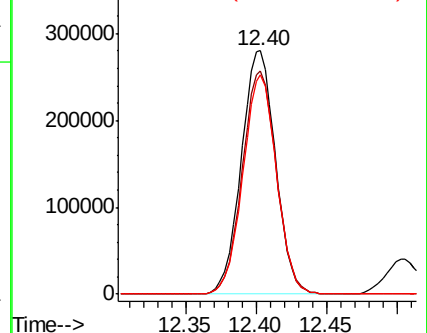
176 88.8 0.0 178.6

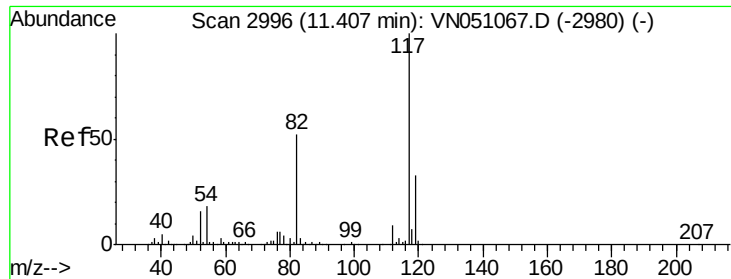


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





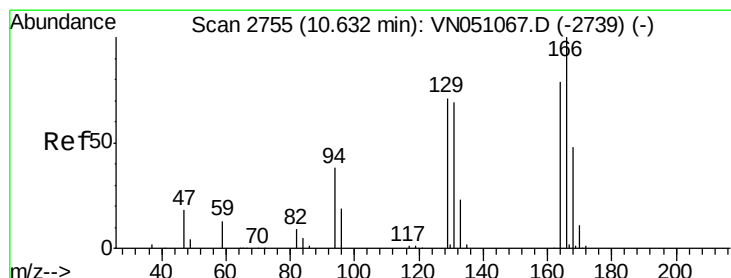
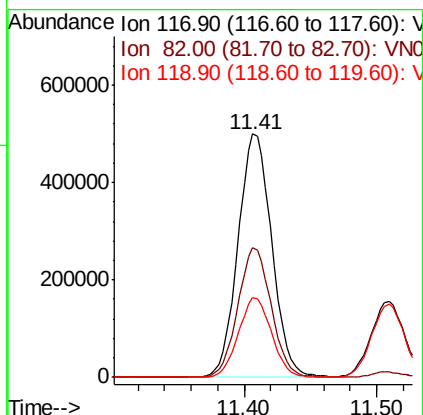
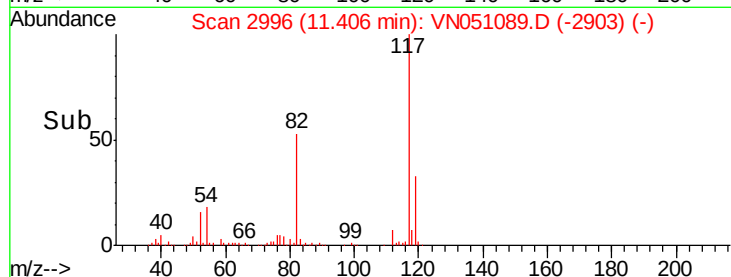
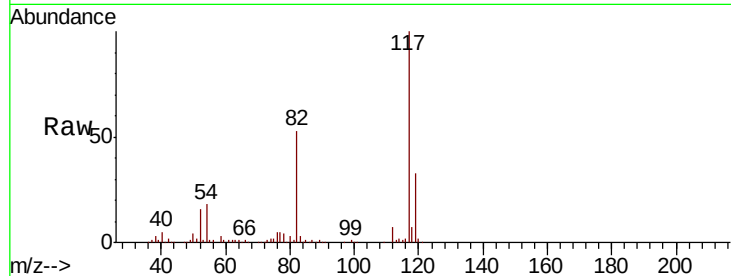
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.6
119	32.5	26.2	39.2

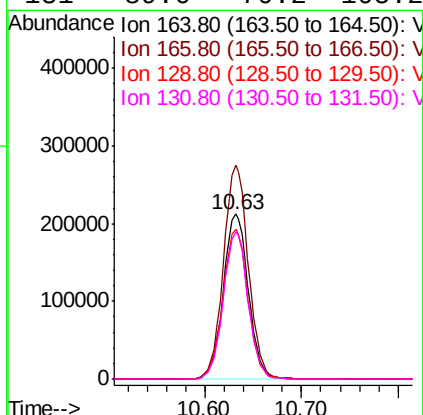
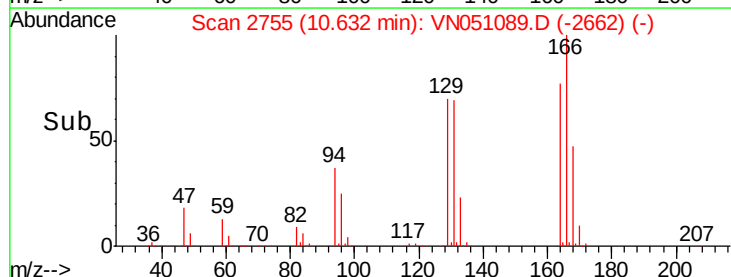
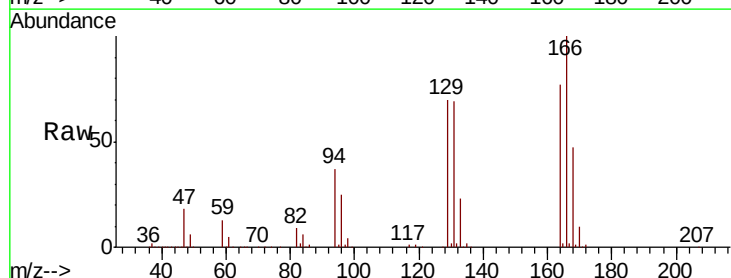
Manual Integrations
APPROVED

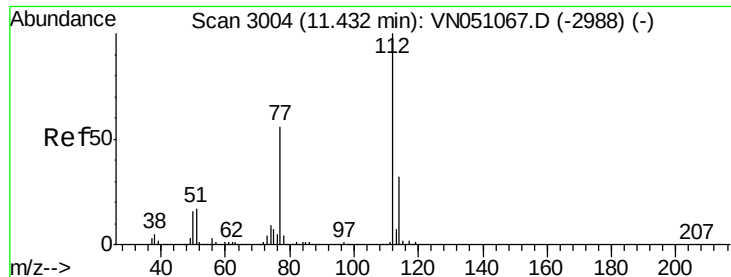
MMDadoda
9/11/2018 9:41:17 AM



#64
Tetrachloroethene
Concen: 47.19 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.3	151.9
129	91.0	72.2	108.2
131	89.6	70.2	105.2





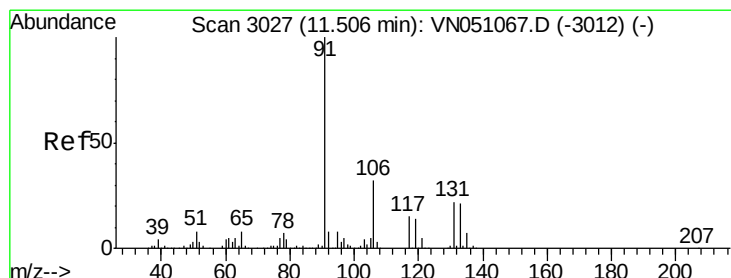
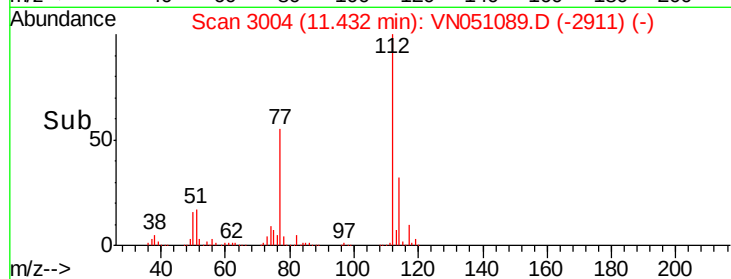
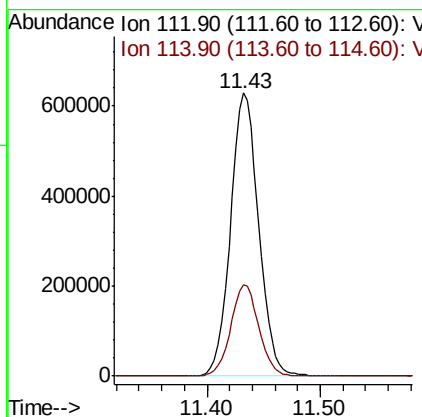
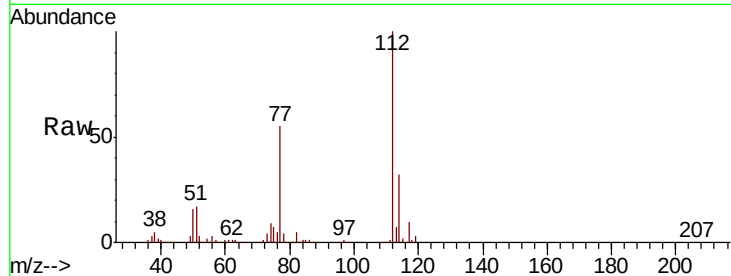
#65
Chlorobenzene
Concen: 48.77 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1085819
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6

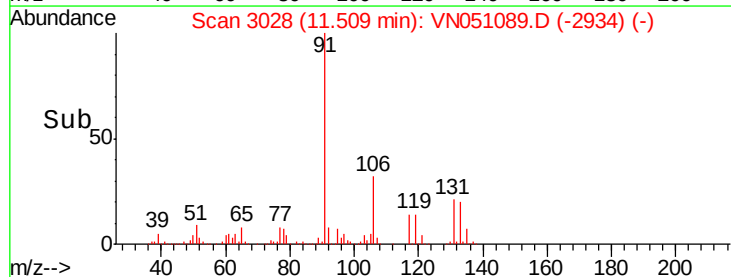
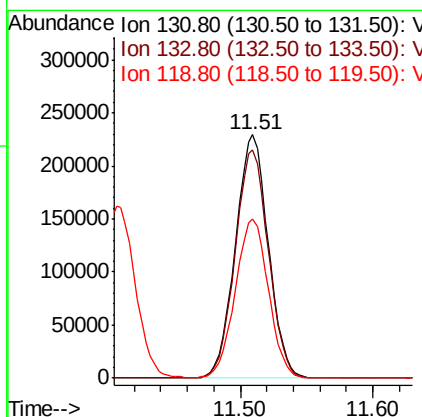
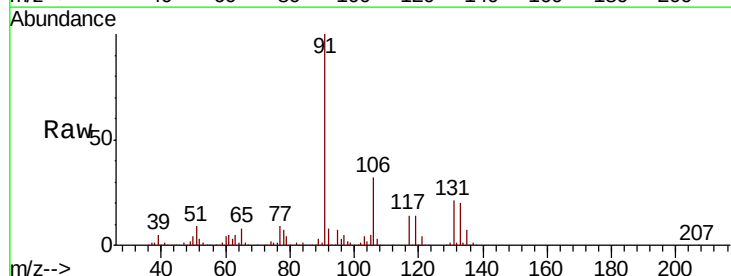
Manual Integrations
APPROVED

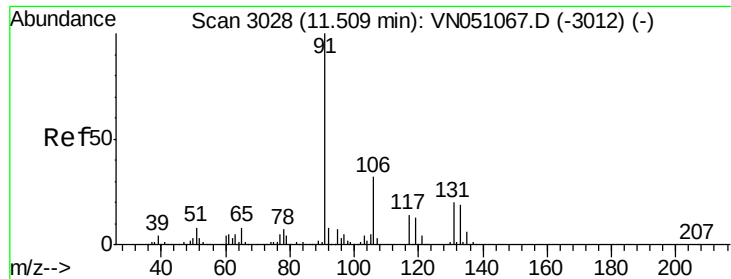
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.37 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion:131 Resp: 395716
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 66.0 33.2 99.6





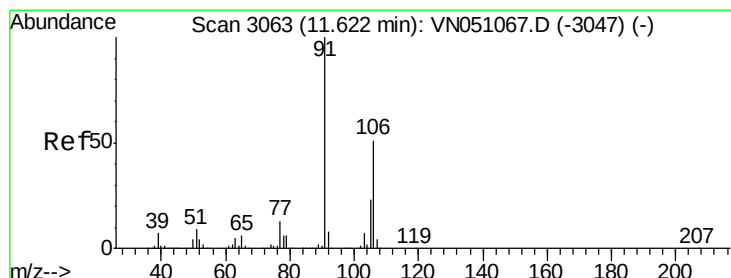
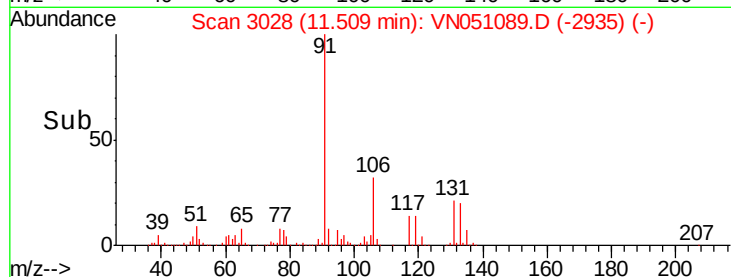
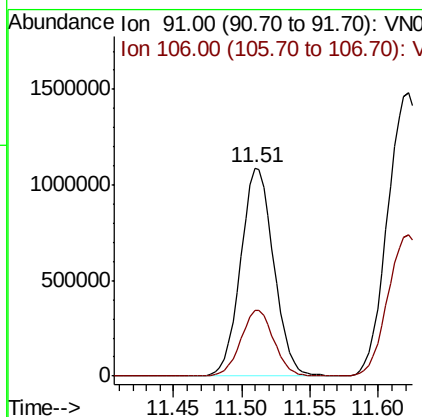
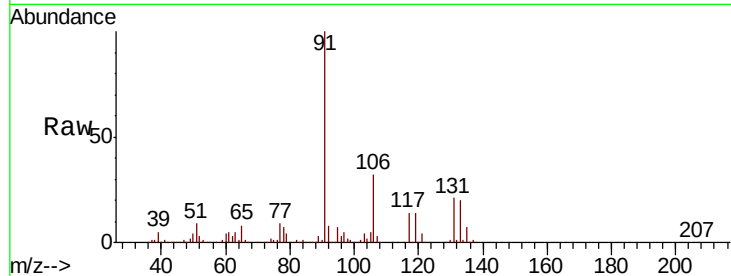
#67
Ethyl Benzene
Concen: 50.86 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1833528
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

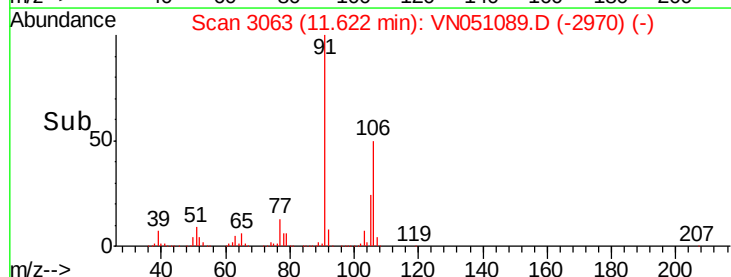
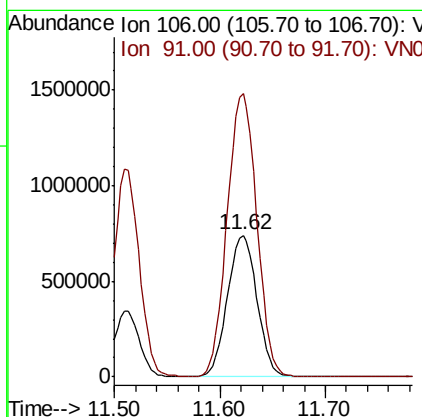
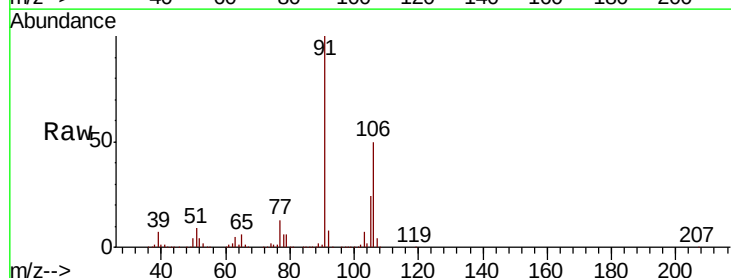
Manual Integrations
APPROVED

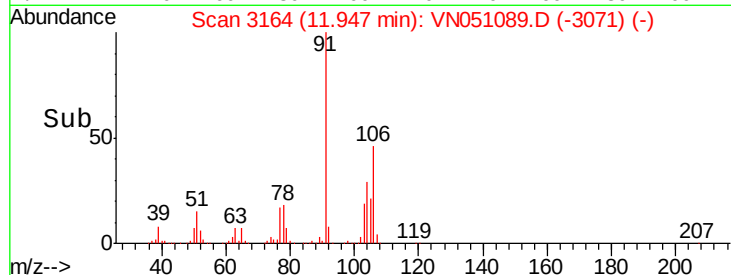
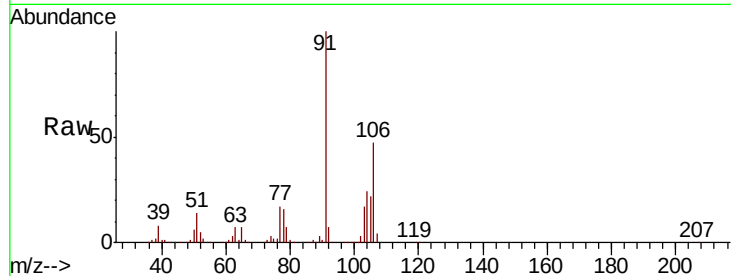
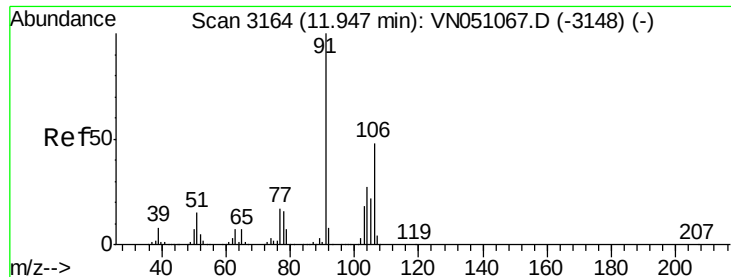
MMDadoda
9/11/2018 9:41:17 AM



#68
m/p-Xylenes
Concen: 103.70 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion: 106 Resp: 1436415
Ion Ratio Lower Upper
106 100
91 200.5 159.8 239.6





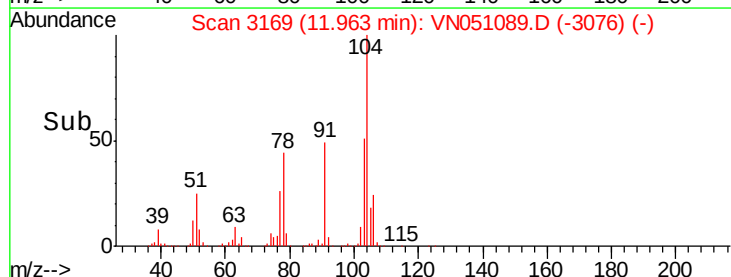
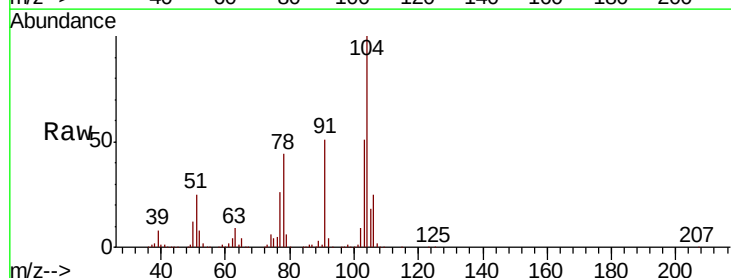
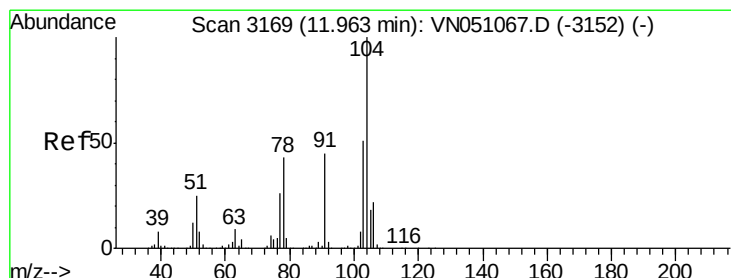
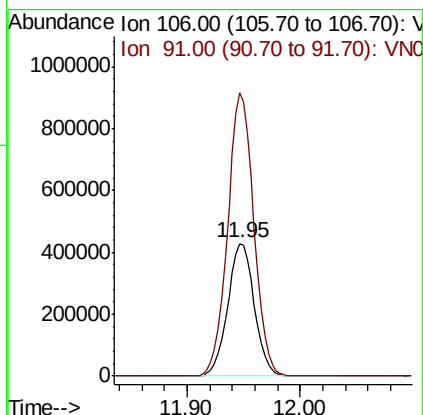
#69
o-Xylene
Concen: 51.95 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	105.1	315.1

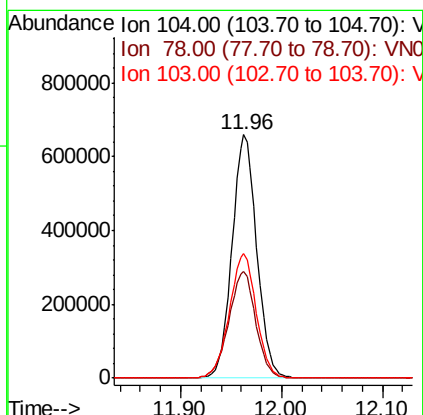
Manual Integrations
APPROVED

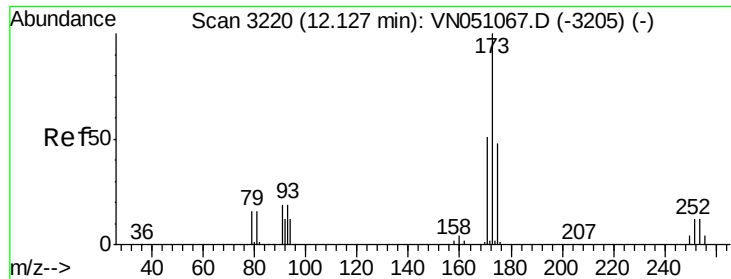
MMDadoda
9/11/2018 9:41:17 AM



#70
Styrene
Concen: 54.03 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	37.7	56.5
103	55.7	44.6	67.0





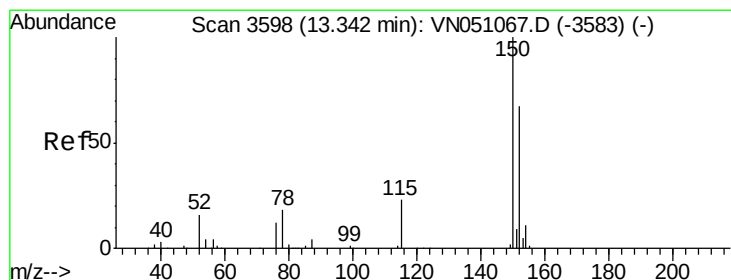
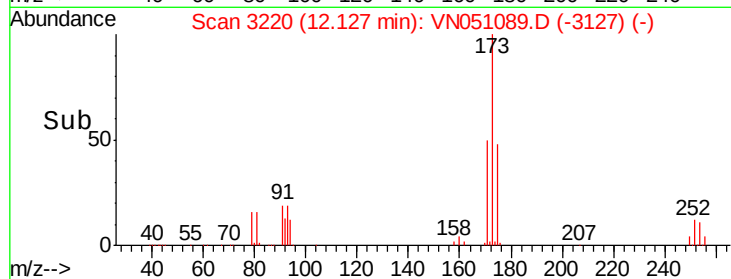
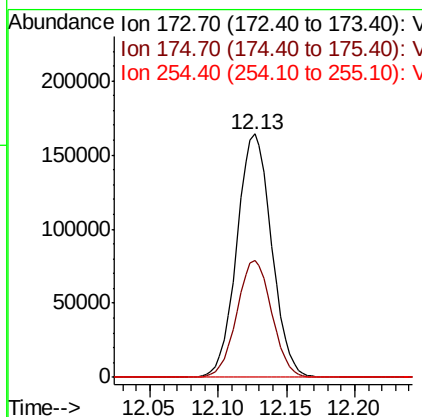
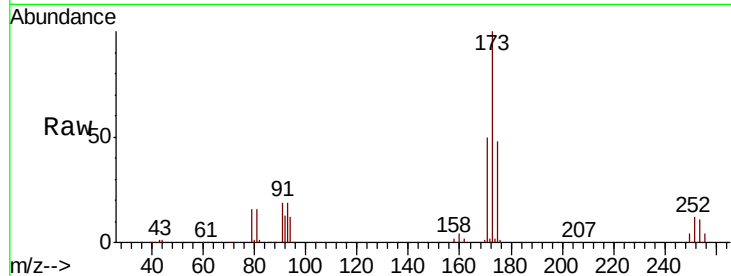
#71
Bromoform
Concen: 51.44 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.9
254	0.1	0.0	0.0

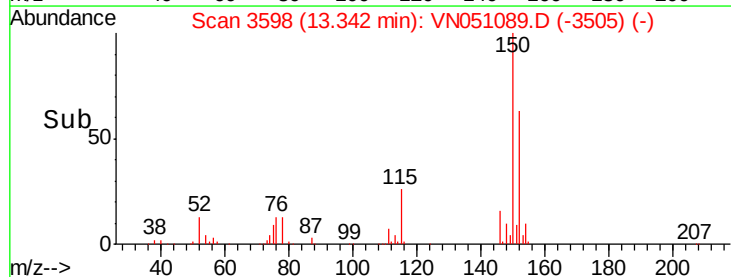
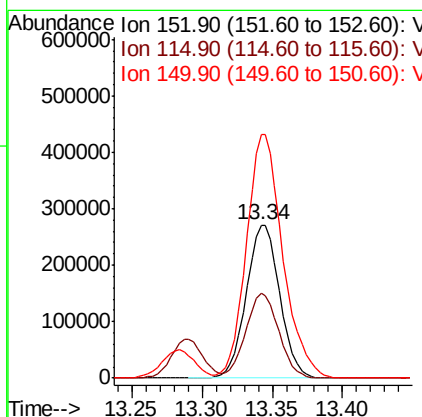
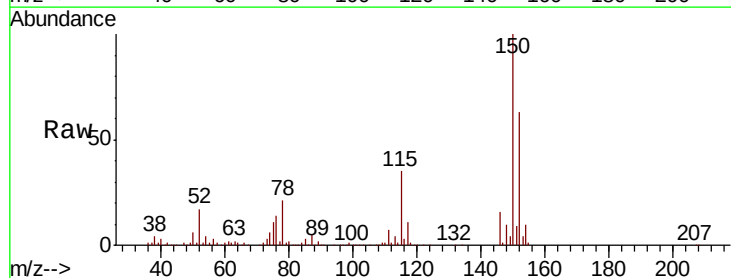
Manual Integrations
APPROVED

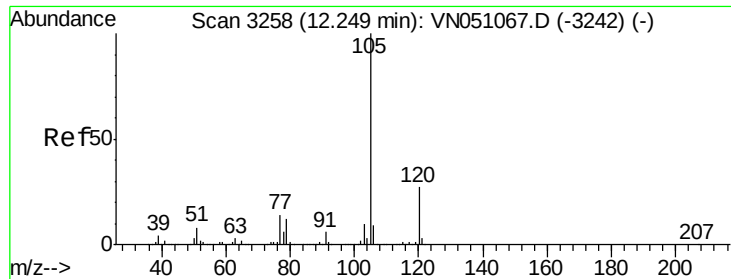
MMDadoda
9/11/2018 9:41:17 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.2	84.7
150	172.7	0.0	349.0





#73

Isopropylbenzene

Concen: 48.13 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1816116

Ion Ratio Lower Upper

105 100

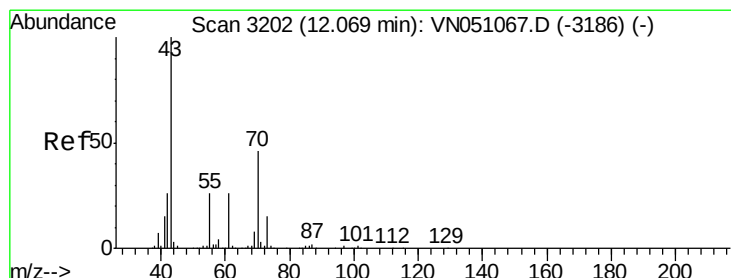
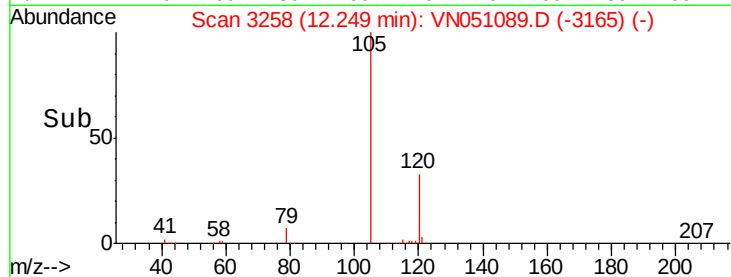
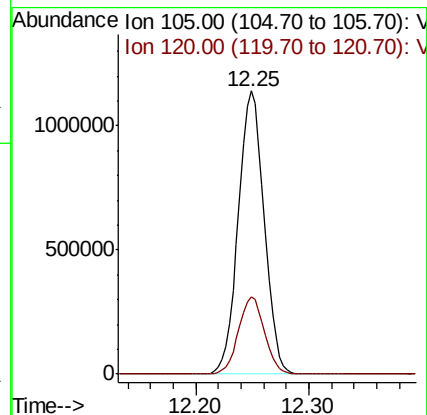
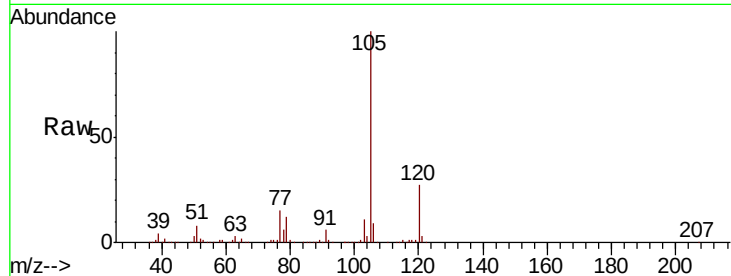
120 27.4 13.6 40.7

Manual Integrations

APPROVED

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#74

N-ethyl acetate

Concen: 48.97 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion: 43 Resp: 465011

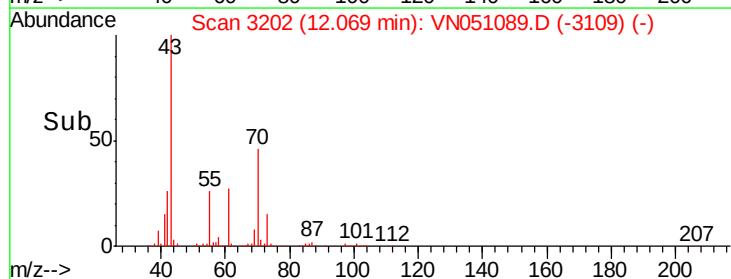
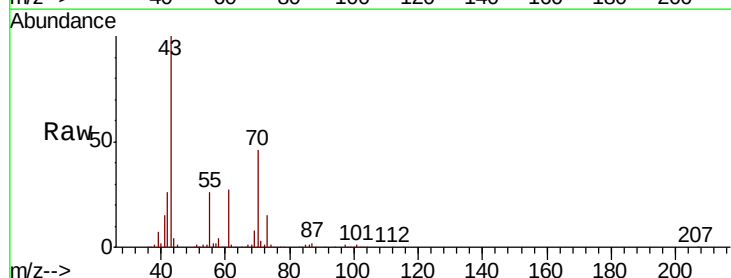
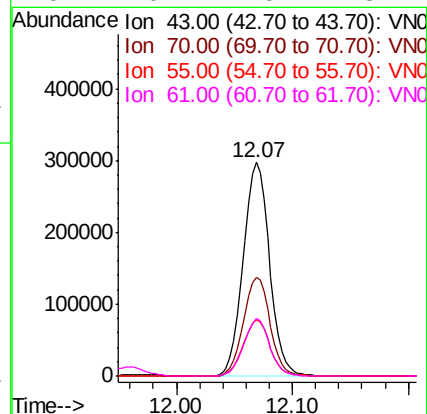
Ion Ratio Lower Upper

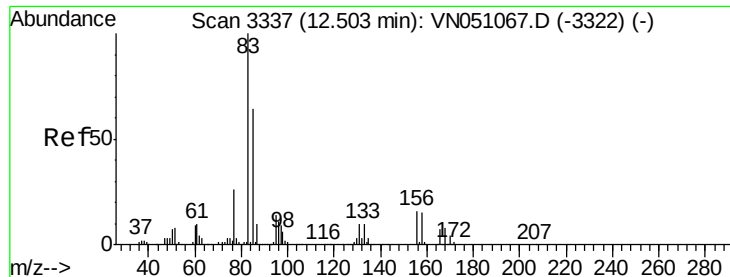
43 100

70 47.0 37.0 55.4

55 27.0 21.3 31.9

61 26.4 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.65 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

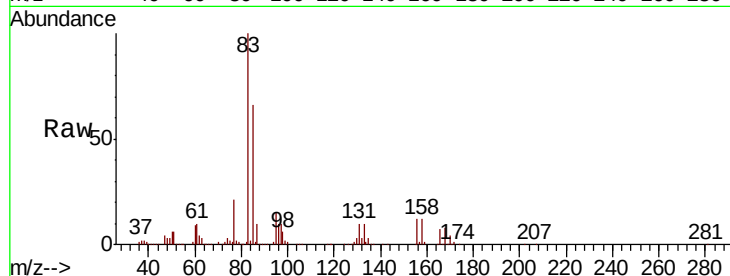
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	455040
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	64.9	32.3	96.8

Manual Integrations
APPROVED

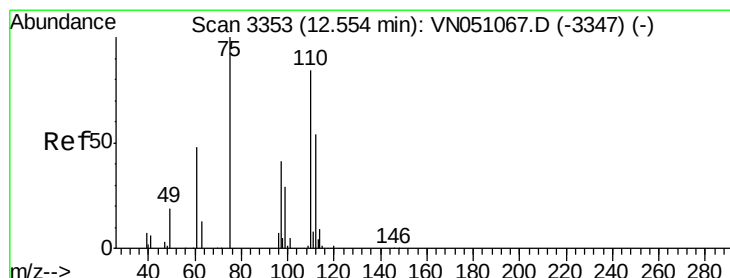
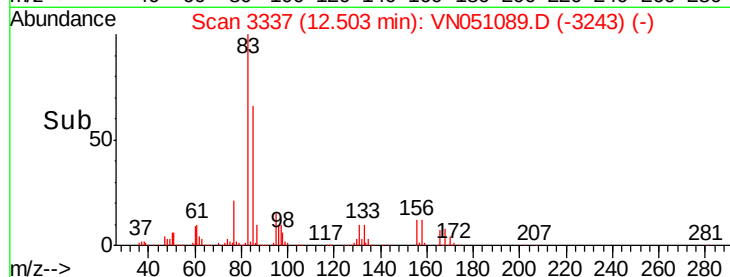
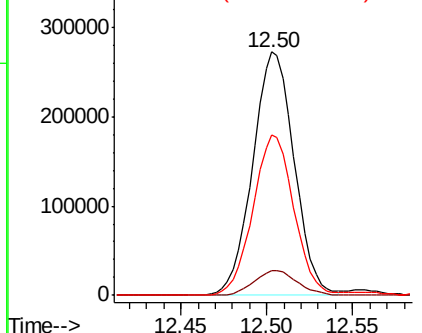
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Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051067.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 51.47 ug/l m

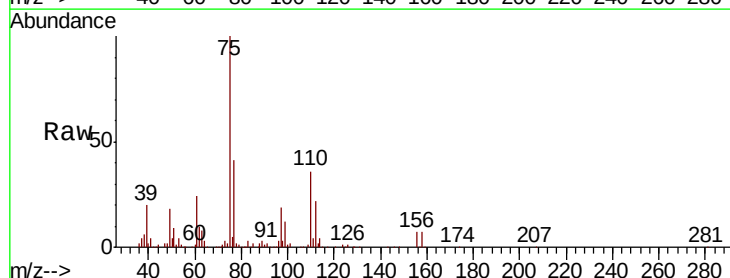
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051089.D

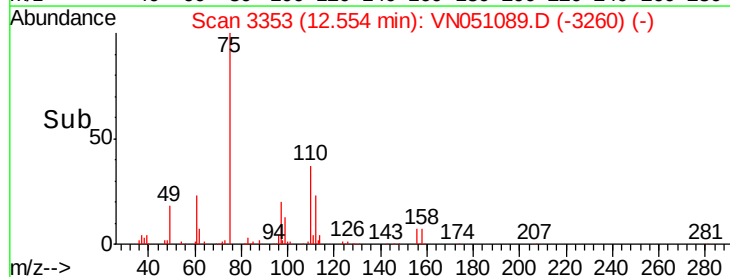
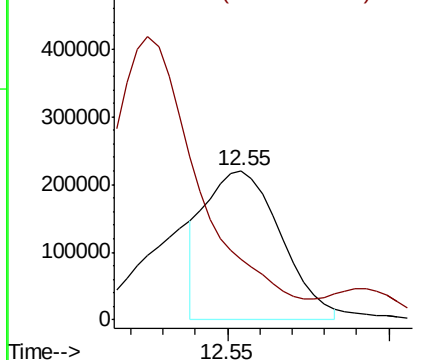
Acq: 10 Sep 2018 20:16

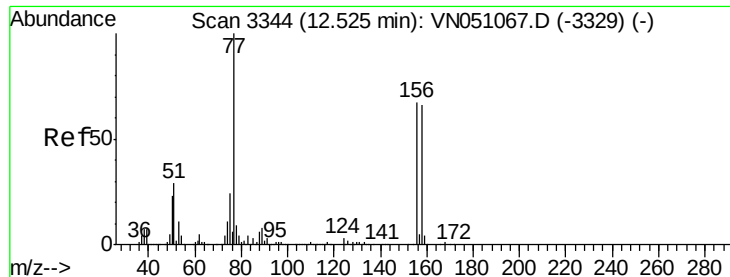
Tgt Ion:	75	Resp:	358752
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN051067.D (-3347) (-)





#77

Bromobenzene

Concen: 46.66 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

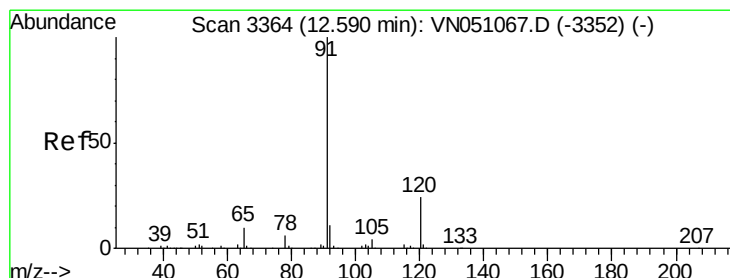
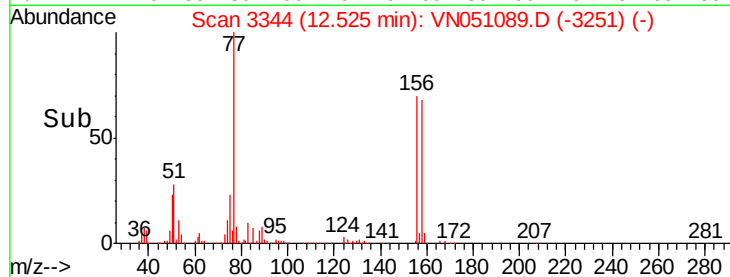
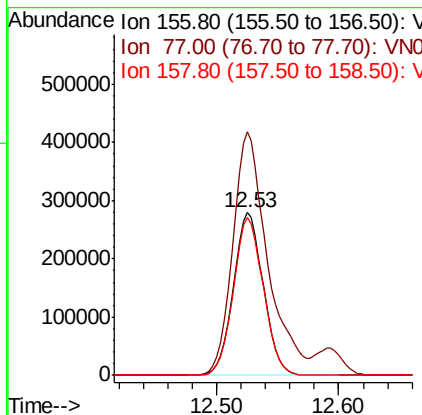
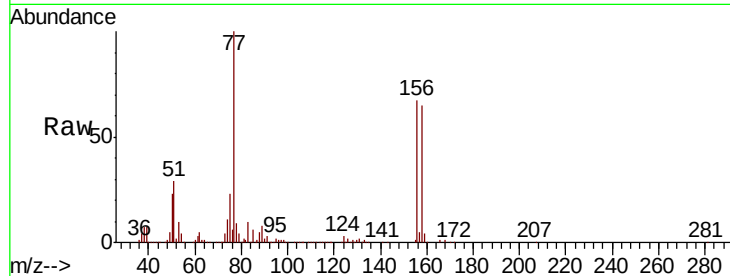
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		472871		
77	174.6	87.5	262.6		
158	97.1	49.0	147.2		

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#78

n-propylbenzene

Concen: 49.14 ug/l

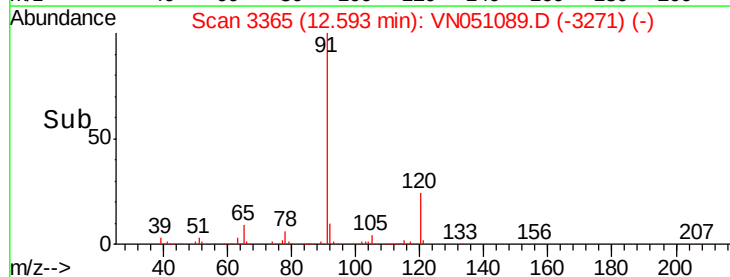
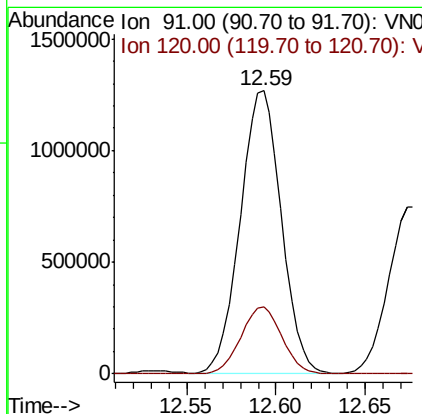
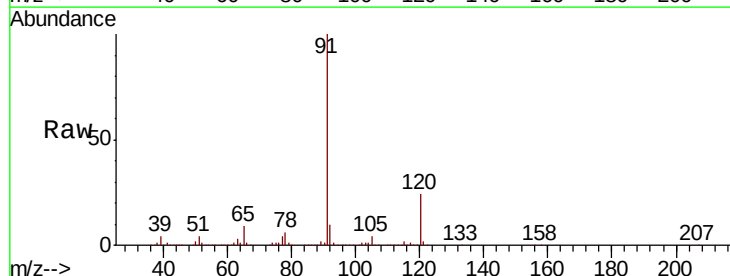
RT: 12.59 min Scan# 3365

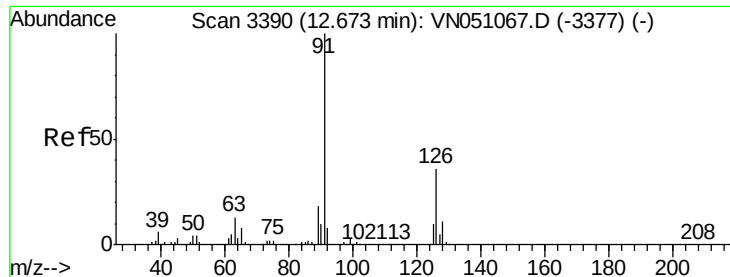
Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		2037969		
120	23.8	12.0	36.0		





#79

2-Chlorotoluene

Concen: 47.44 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1229868

Ion Ratio Lower Upper

91 100

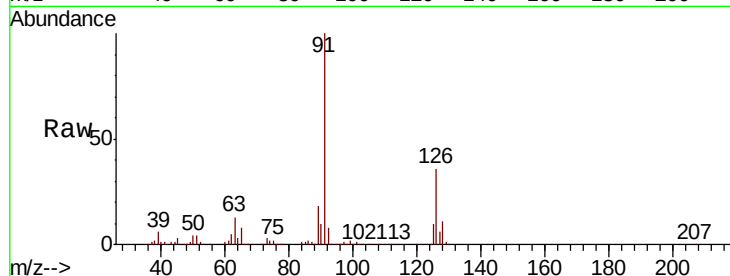
126 36.1 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN051067.D (-3377) (-)

1000000

800000

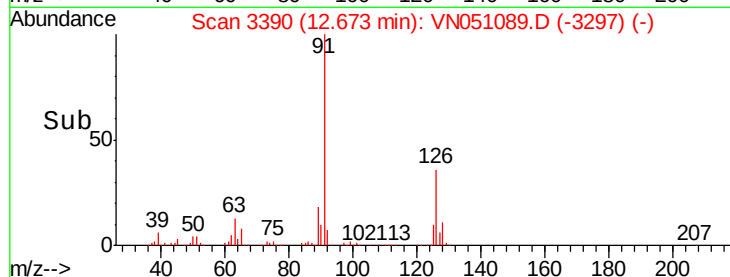
600000

400000

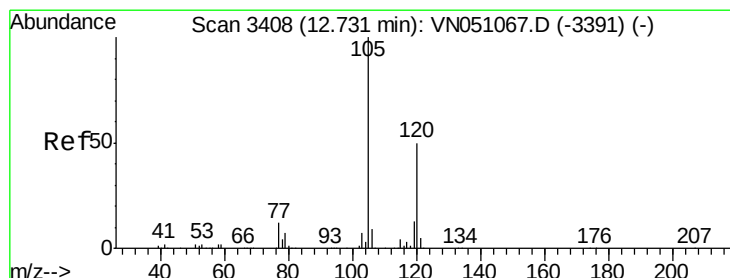
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.34 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051089.D

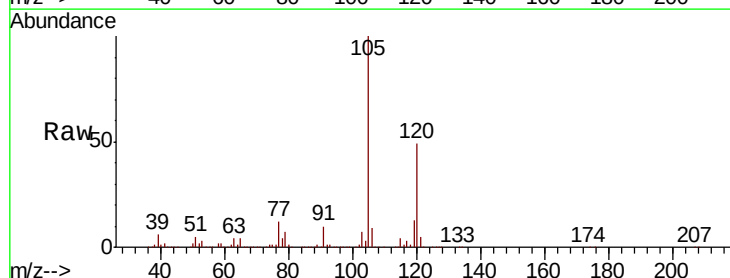
Acq: 10 Sep 2018 20:16

Tgt Ion:105 Resp: 1505097

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN051067.D (-3391) (-)

1000000

800000

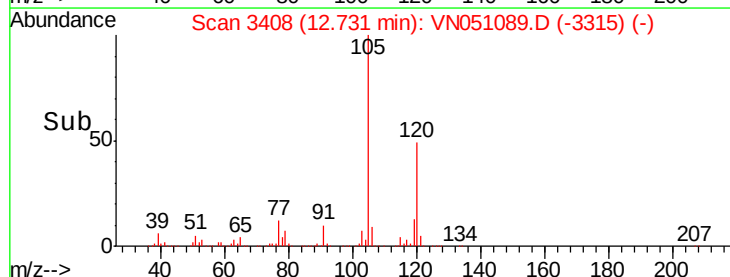
600000

400000

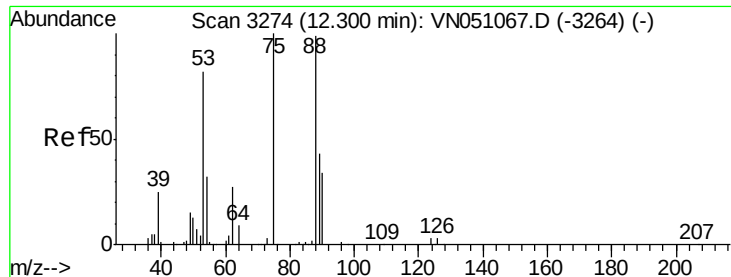
200000

0

12.70 12.80



Time-->



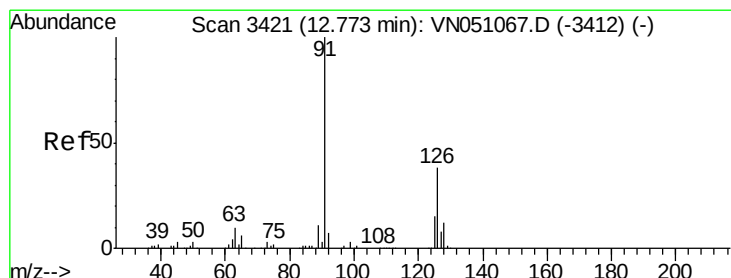
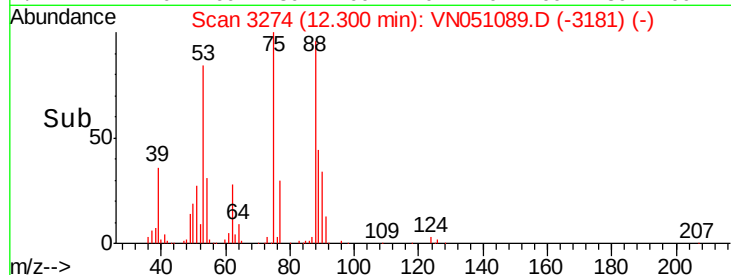
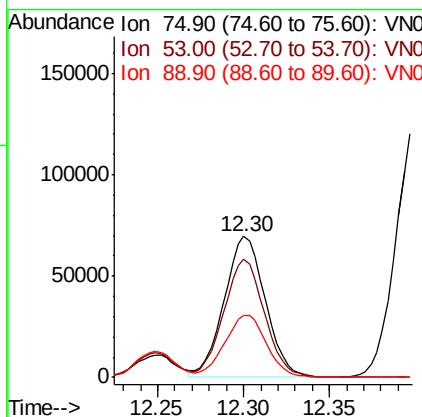
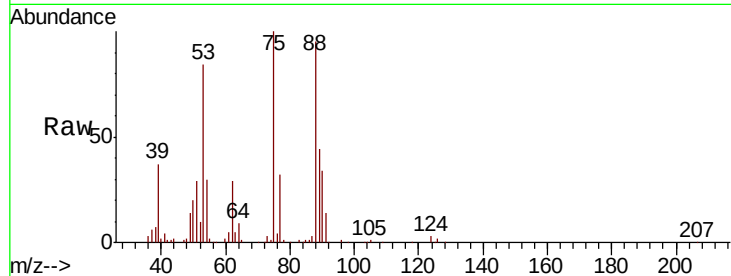
#81
trans-1,4-Dichloro-2-butene
Concen: 49.26 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.8	67.8	101.8
89	44.9	36.0	54.0

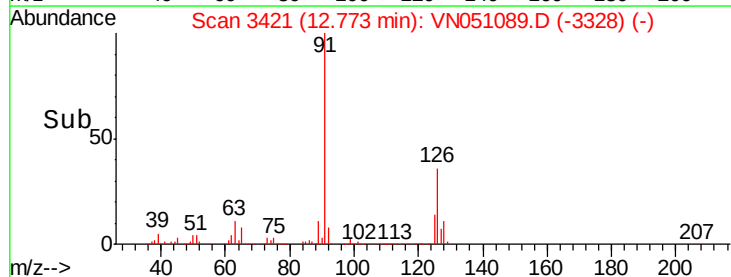
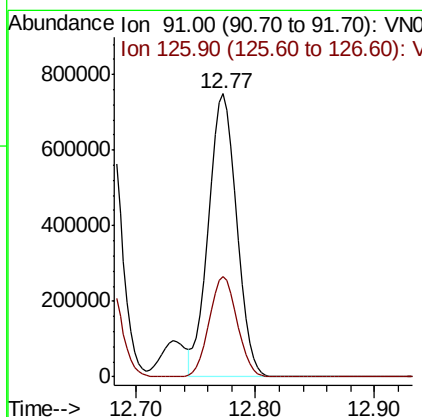
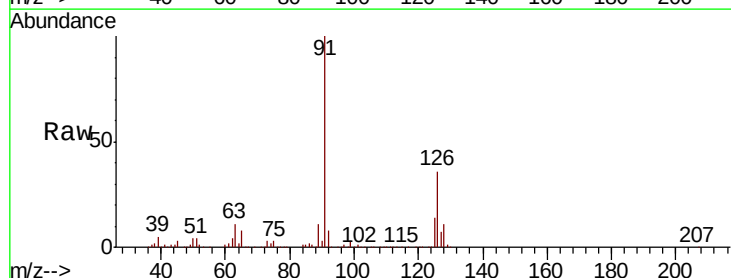
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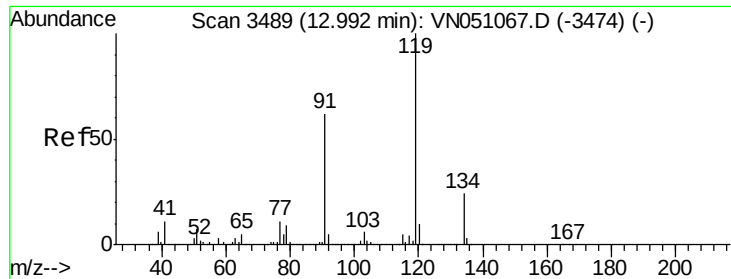
MMDadoda
9/11/2018 9:41:17 AM



#82
4-Chlorotoluene
Concen: 47.73 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





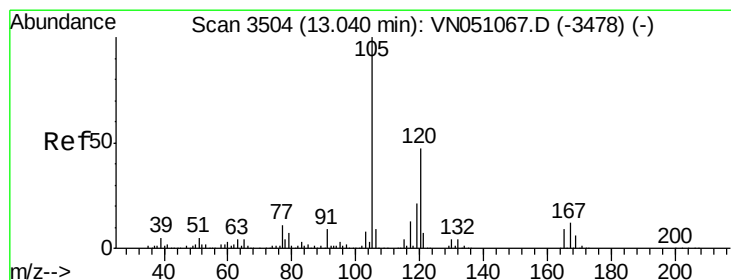
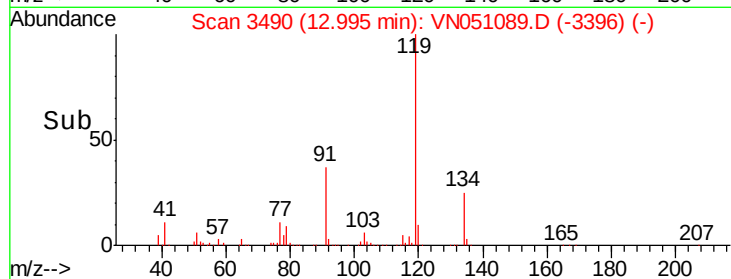
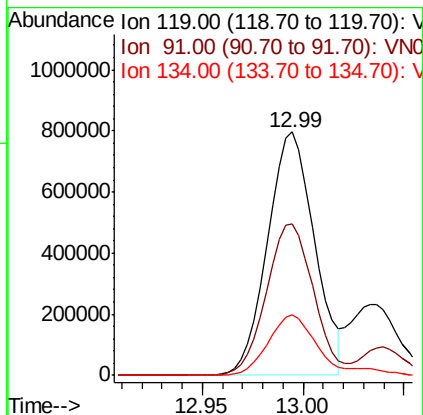
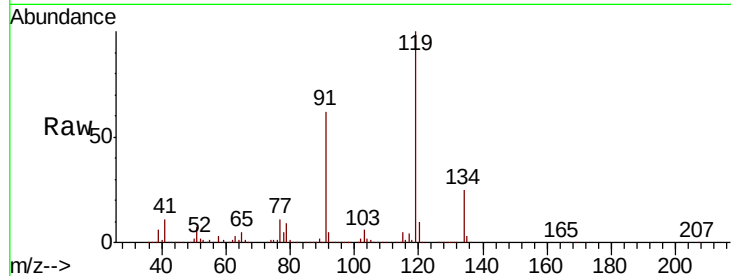
#83
 tert-Butylbenzene
 Concen: 47.78 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	30.8	92.3
134	24.9	13.2	39.6

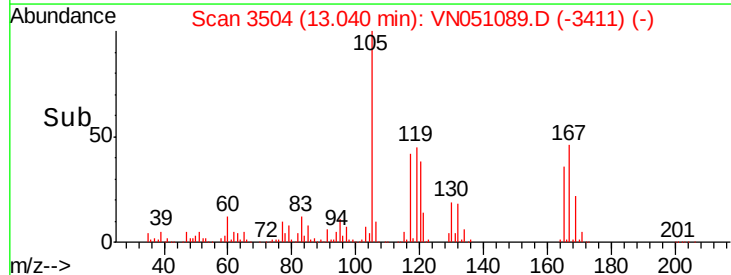
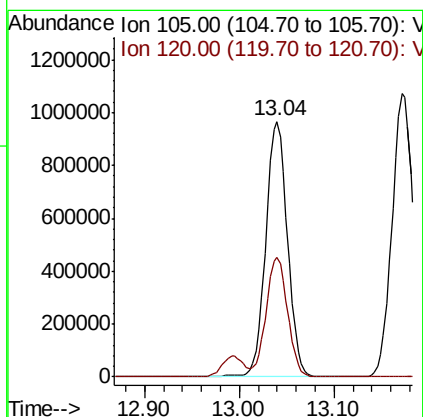
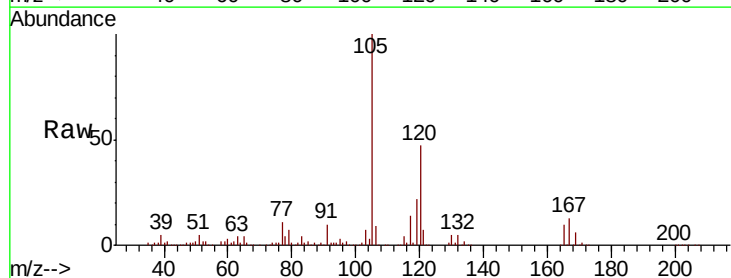
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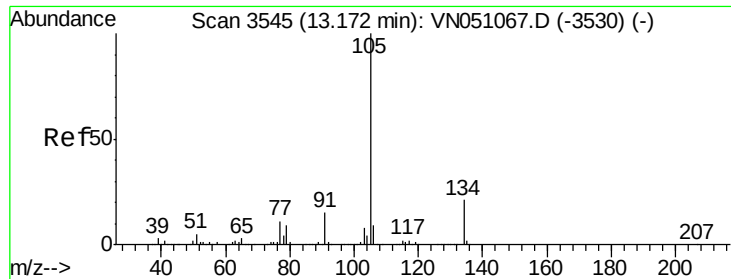
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.85 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.8





#85

sec-Butylbenzene

Concen: 48.95 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1690778

Ion Ratio Lower Upper

105 100

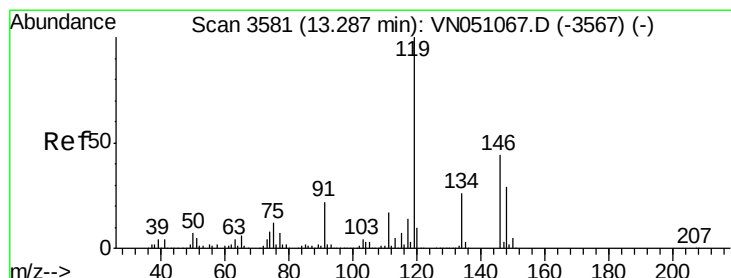
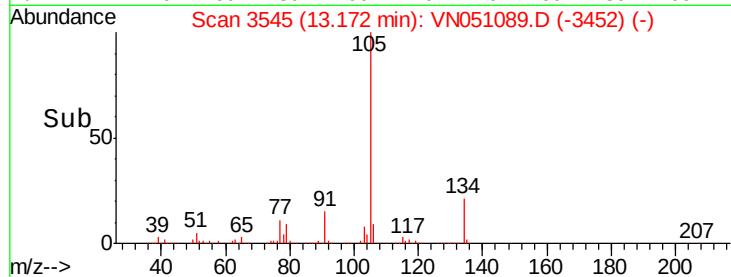
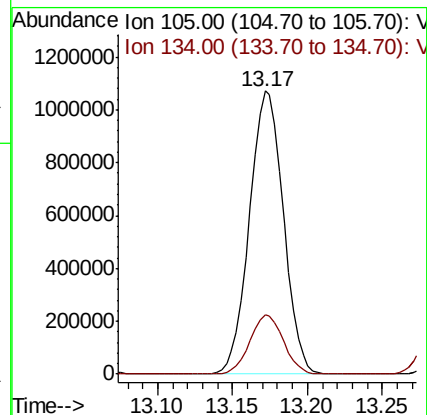
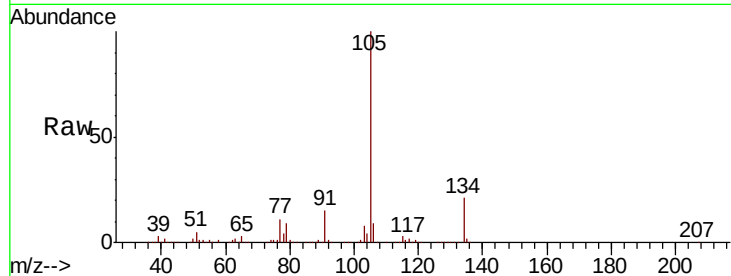
134 20.8 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.81 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051089.D

Acq: 10 Sep 2018 20:16

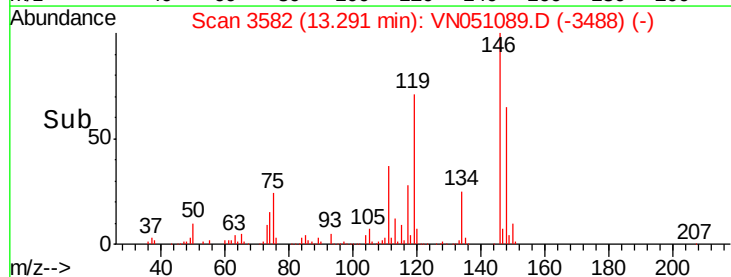
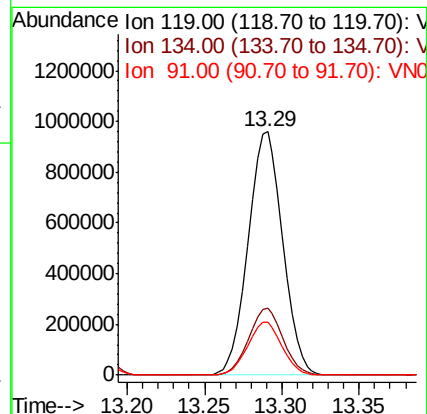
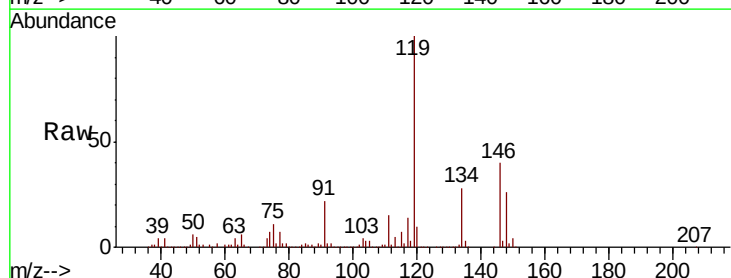
Tgt Ion:119 Resp: 1488109

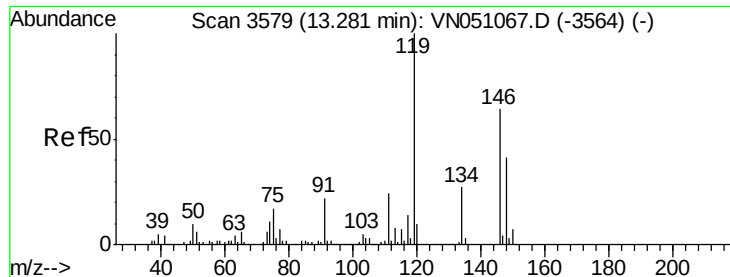
Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

91 21.6 10.9 32.9





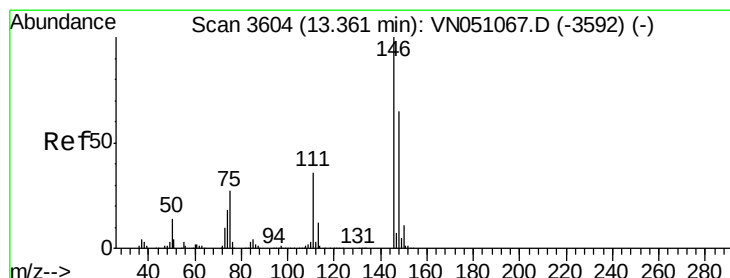
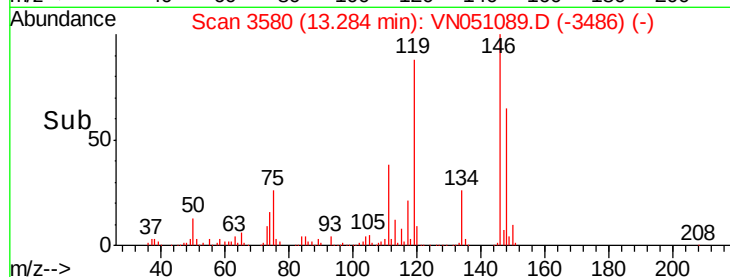
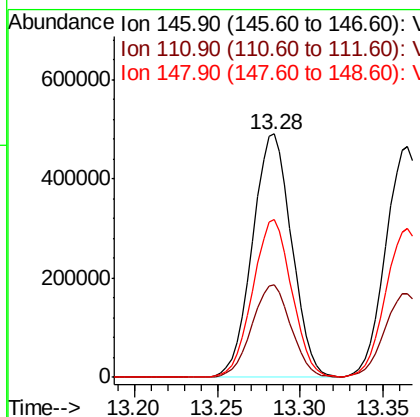
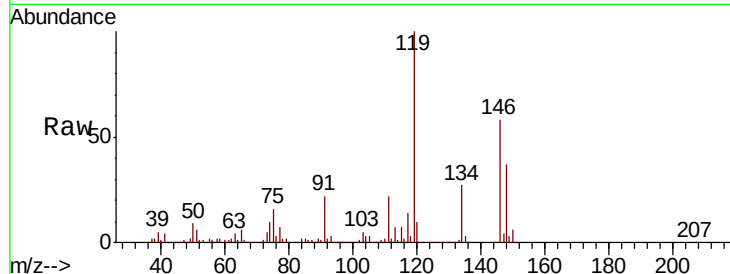
#87
 1,3-Dichlorobenzene
 Concen: 46.89 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	806181		
111	37.8	19.1	57.1	
148	64.5	32.2	96.6	

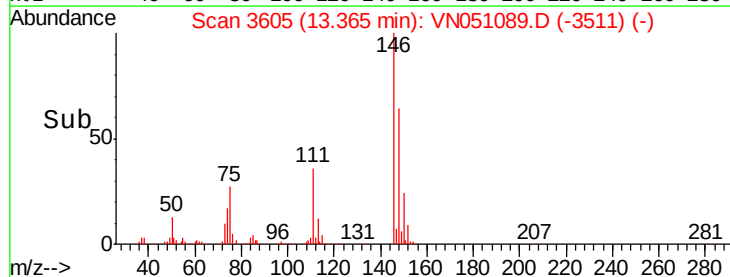
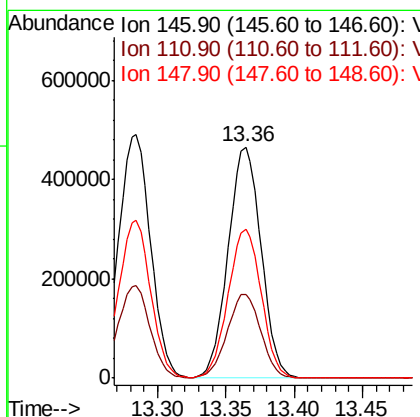
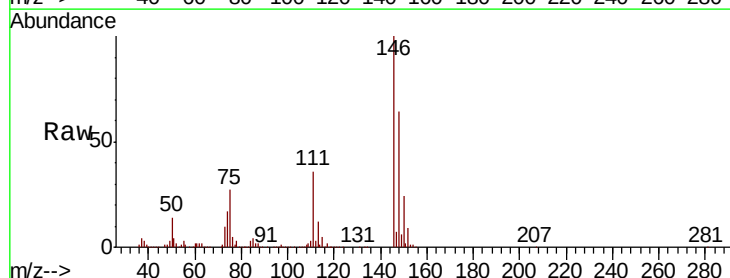
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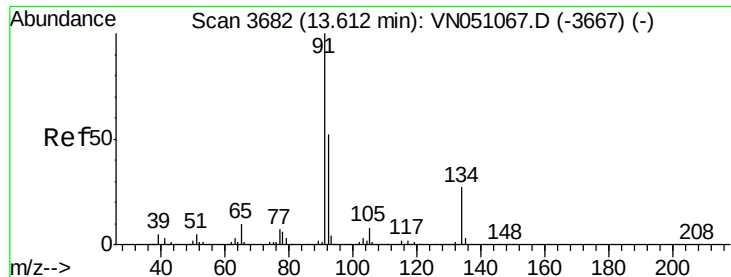
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#88
 1,4-Dichlorobenzene
 Concen: 49.50 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	781370		
111	36.9	18.4	55.0	
148	64.5	32.2	96.6	





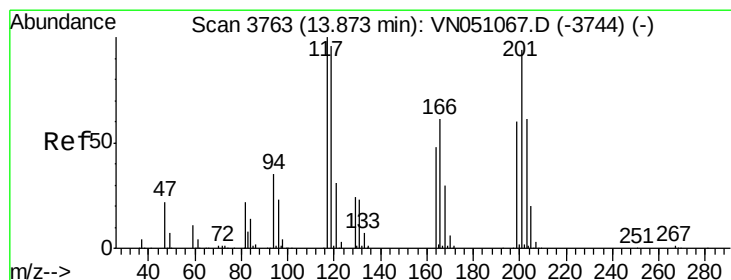
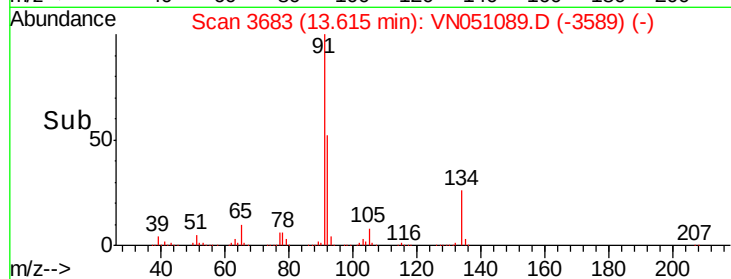
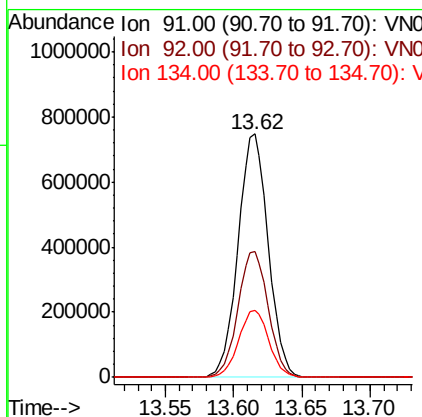
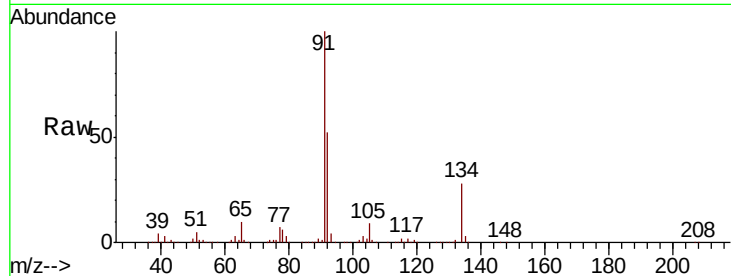
#89
n-Butylbenzene
Concen: 50.17 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.6
134	27.5	13.7	41.1

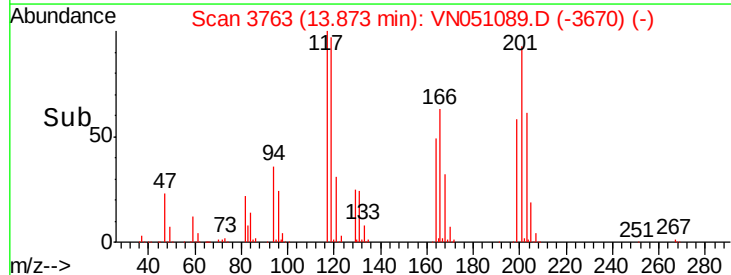
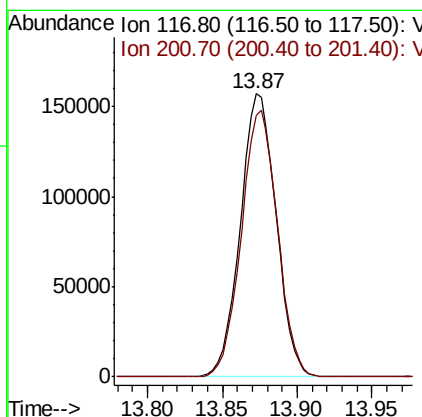
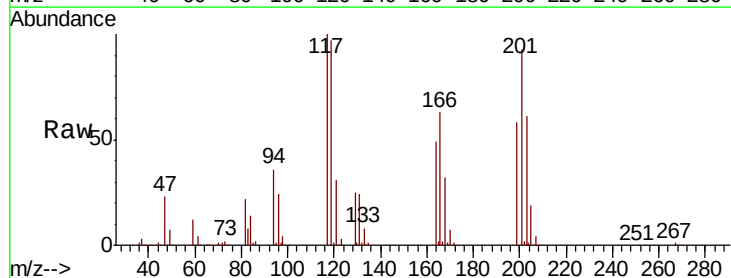
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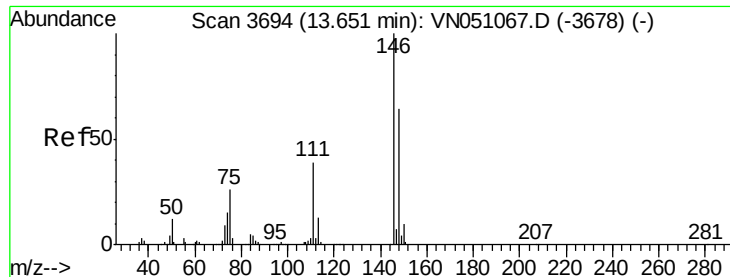
MMDadoda
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#90
Hexachloroethane
Concen: 49.07 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	47.3	142.0





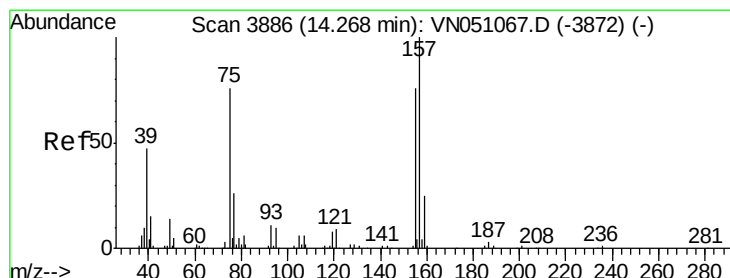
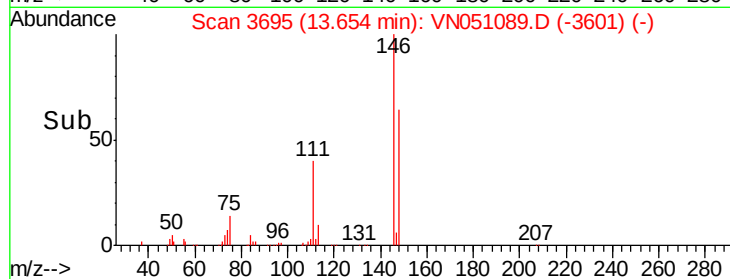
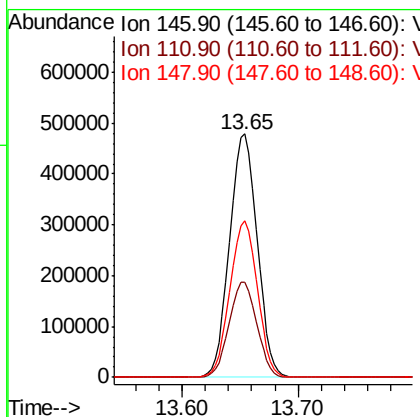
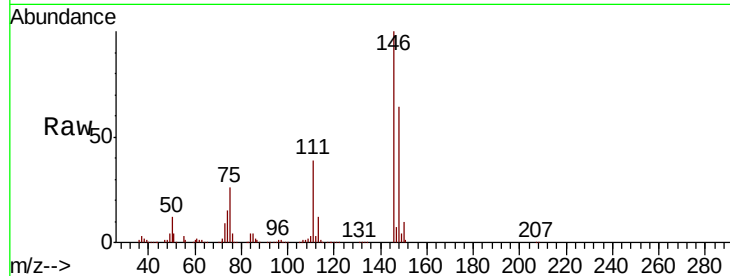
#91
 1,2-Dichlorobenzene
 Concen: 46.93 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.1	32.1	96.3

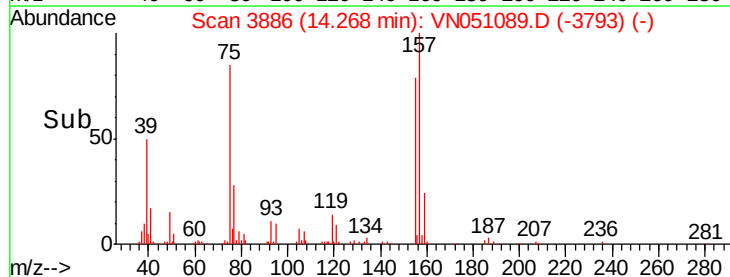
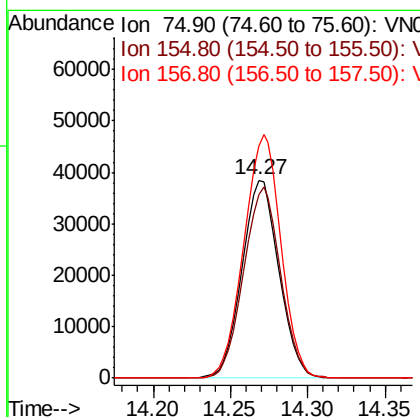
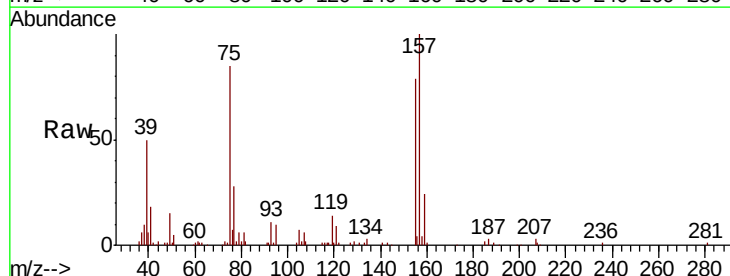
Manual Integrations
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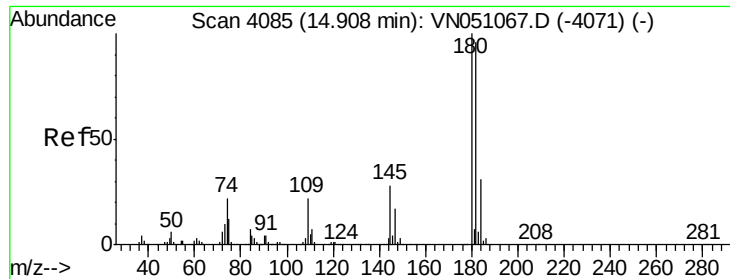
MMDadoda
 9/11/2018 9:41:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.66 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.7	146.1
157	123.6	63.6	190.9





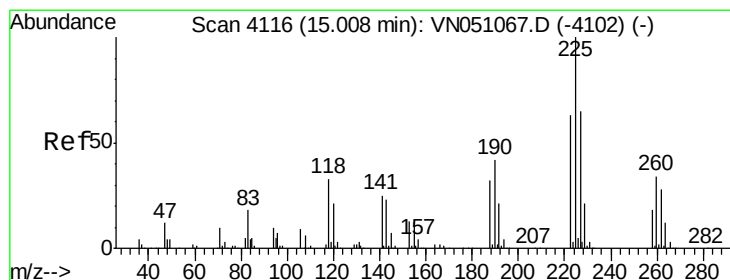
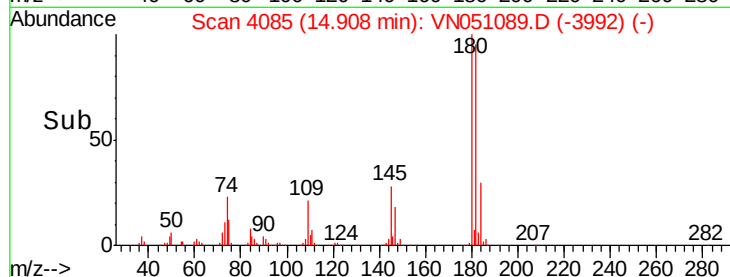
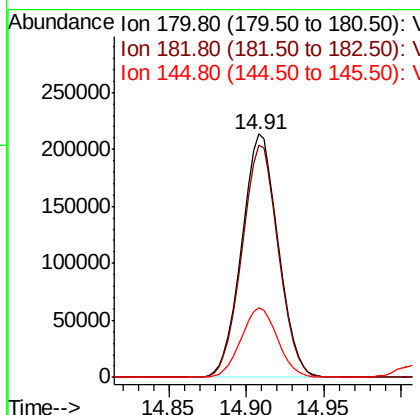
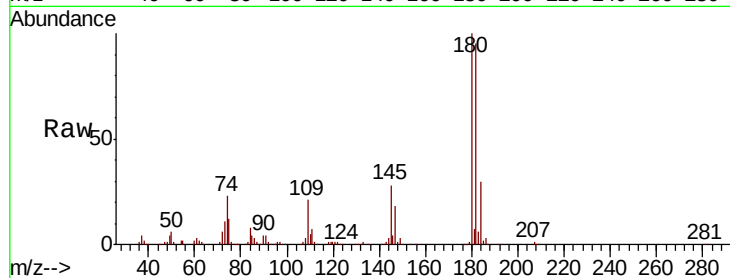
#93
 1,2,4-Trichlorobenzene
 Concen: 43.77 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.3	141.8	
145	28.6	14.2	42.6	

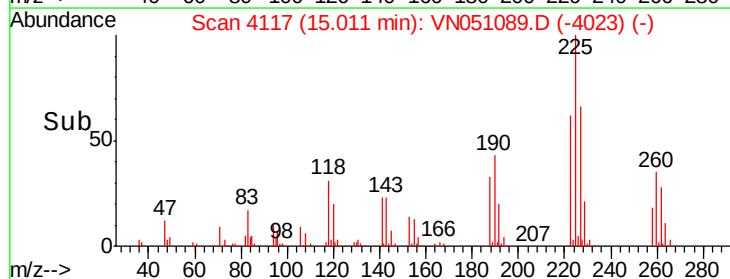
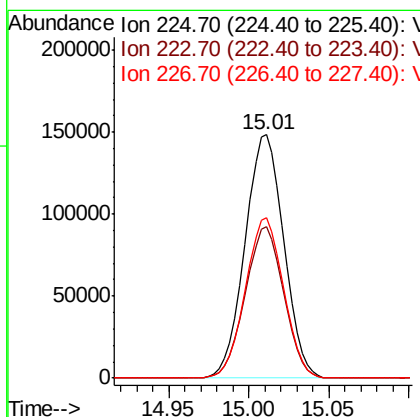
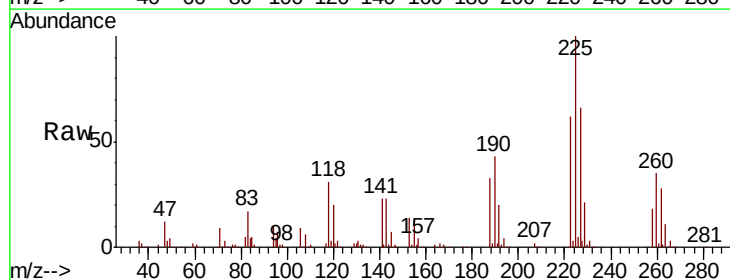
Manual Integrations
 APPROVED

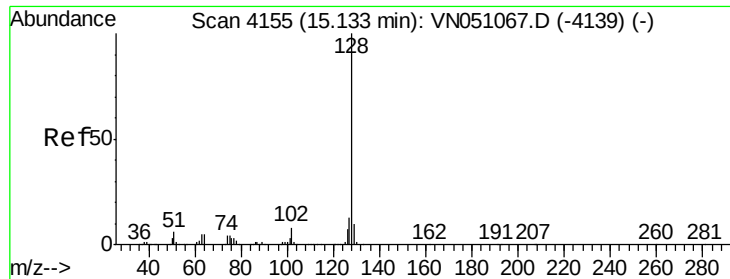
MMDadoda
 9/11/2018 9:41:17 AM



#94
 Hexachlorobutadiene
 Concen: 50.33 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051089.D
 Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.4	94.0	
227	64.9	32.1	96.3	





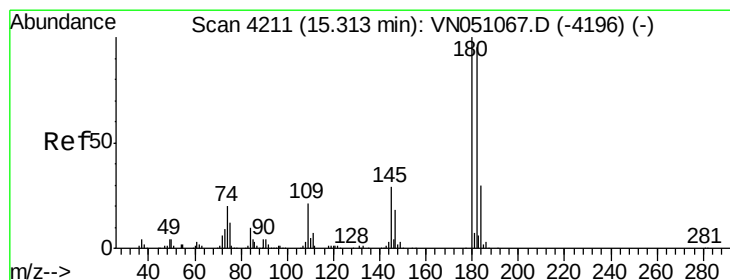
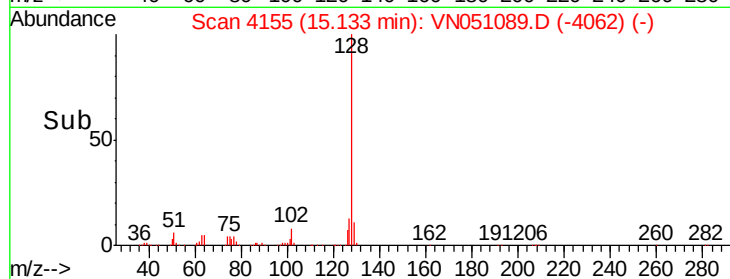
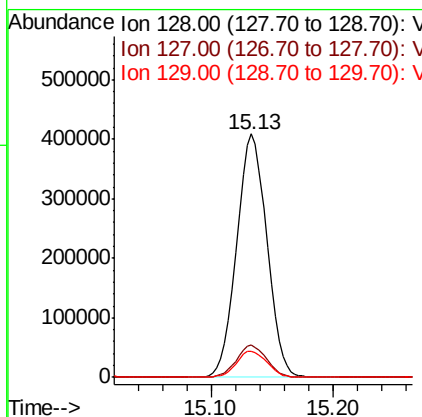
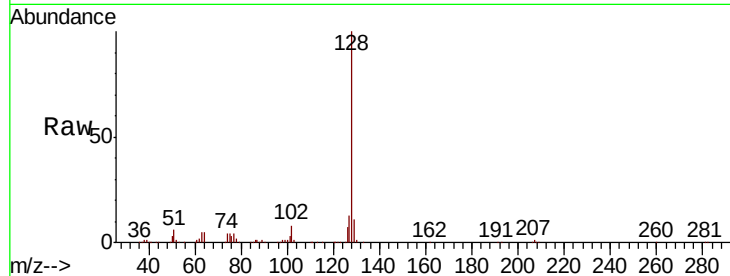
#95
Naphthalene
Concen: 42.21 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	698326		
127	13.2		10.6	15.8
129	10.9		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:41:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.43 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051089.D
Acq: 10 Sep 2018 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	349221		
182	95.5		47.8	143.3
145	30.3		14.6	43.8

