

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

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 13 07:14:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	699500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	963261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	450653	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	591006	50.65	ug/l	100
40) Benzene	8.04	78	1555181	48.80	ug/l	99
41) Methacrylonitrile	7.18	41	174070	55.08	ug/l	94
42) 1,2-Dichloroethane	8.12	62	463900	49.94	ug/l	100
43) Isopropyl Acetate	8.17	43	573845	53.10	ug/l	100
44) Trichloroethene	8.83	130	418546	48.02	ug/l	99
45) 1,2-Dichloropropane	9.12	63	405060	49.19	ug/l	97
46) Dibromomethane	9.21	93	247802	49.32	ug/l	99
47) Bromodichloromethane	9.40	83	513391	50.25	ug/l	100
48) Methyl methacrylate	9.20	41	283067	53.75	ug/l	99
49) 1,4-Dioxane	9.20	88	85208	1031.71	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1678222	280.80	ug/l	100
52) Toluene	10.16	92	978845	50.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	519583	50.82	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	607168	50.65	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	361424	51.20	ug/l	100
56) Ethyl methacrylate	10.43	69	474666	50.10	ug/l	99
57) 1,3-Dichloropropane	10.71	76	594742	50.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	929912	234.53	ug/l	99
59) 2-Hexanone	10.75	43	1169841	288.62	ug/l	100
60) Dibromochloromethane	10.90	129	410162	51.55	ug/l	99
61) 1,2-Dibromoethane	11.01	107	356270	51.63	ug/l	100
64) Tetrachloroethene	10.63	164	386482	47.98	ug/l	99
65) Chlorobenzene	11.43	112	1077216	48.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	395639	49.38	ug/l	100
67) Ethyl Benzene	11.51	91	1827014	50.70	ug/l	99
68) m/p-Xylenes	11.62	106	1425727	102.97	ug/l	99
69) o-Xylene	11.95	106	687180	51.25	ug/l	100
70) Styrene	11.96	104	1124501	54.07	ug/l	99
71) Bromoform	12.13	173	298041	52.84	ug/l #	100
73) Isopropylbenzene	12.25	105	1829823	48.42	ug/l	100
74) N-amyl acetate	12.07	43	486619	51.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	468557	54.17	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	547494	79.23	ug/l #	100
77) Bromobenzene	12.53	156	468004	46.10	ug/l	99
78) n-propylbenzene	12.59	91	2047685	49.29	ug/l	100
79) 2-Chlorotoluene	12.67	91	1222255	47.07	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1502014	49.16	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	120992	50.99	ug/l	99
82) 4-Chlorotoluene	12.77	91	1227990	47.65	ug/l	100
83) tert-Butylbenzene	12.99	119	1276676	47.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1515760	50.45	ug/l	100
85) sec-Butylbenzene	13.17	105	1695992	49.02	ug/l	100
86) p-Isopropyltoluene	13.29	119	1497594	51.06	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	803852	46.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	784092	49.59	ug/l	100
89) n-Butylbenzene	13.62	91	1174530	51.45	ug/l	100
90) Hexachloroethane	13.88	117	261999	49.05	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	783654	46.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65071	50.41	ug/l	99

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Quant Title : SW846 8260
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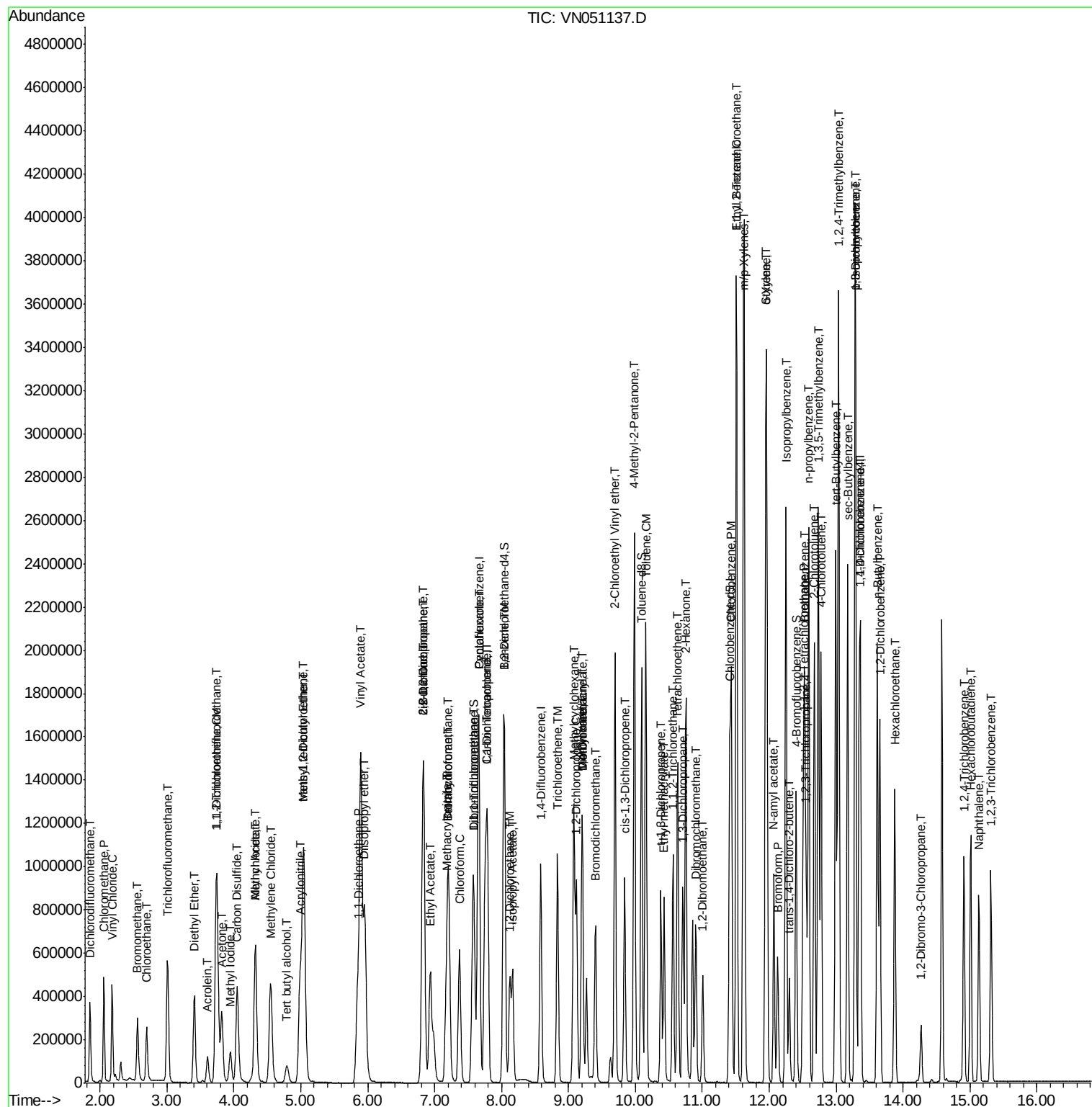
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	369512	45.92	ug/l	99
94) Hexachlorobutadiene	15.01	225	255361	52.30	ug/l	99
95) Naphthalene	15.13	128	759353	45.37	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	370861	47.99	ug/l	99

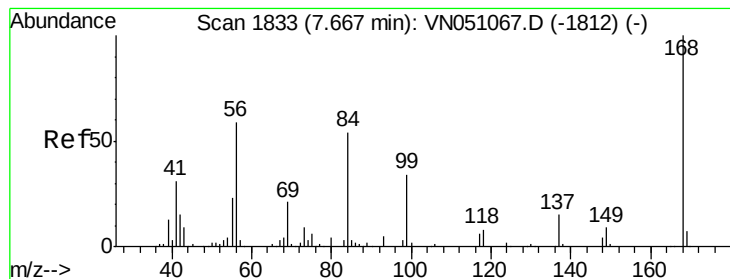
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091218\
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

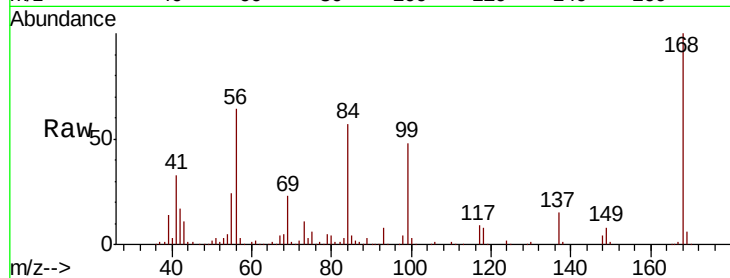
VSTDCCC050

Tot Ion:168 Resp: 699500

Ion Ratio Lower Upper

168 100

99 48.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

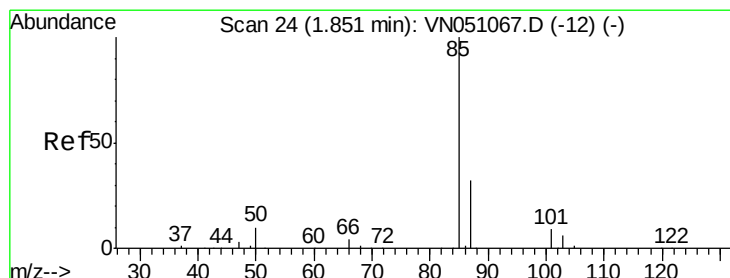
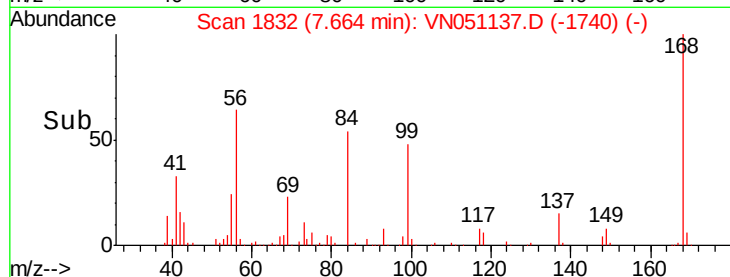
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.46 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051137.D

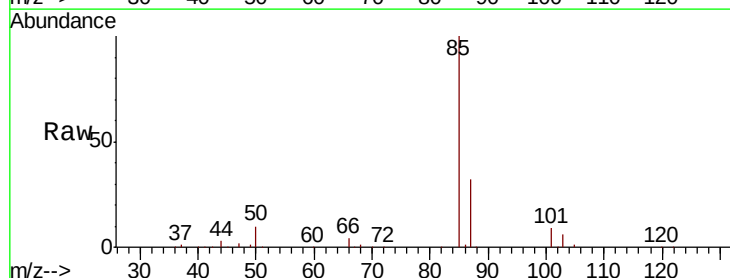
Acq: 12 Sep 2018 8:31

Tgt Ion: 85 Resp: 299891

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

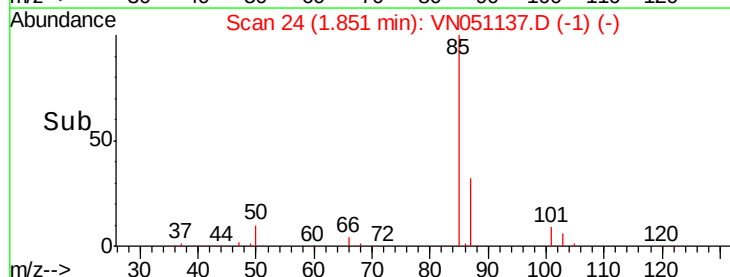
150000

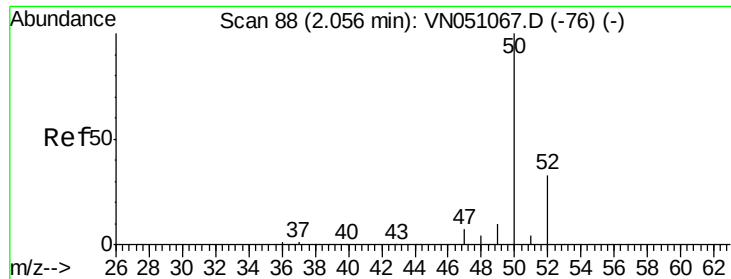
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.84 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

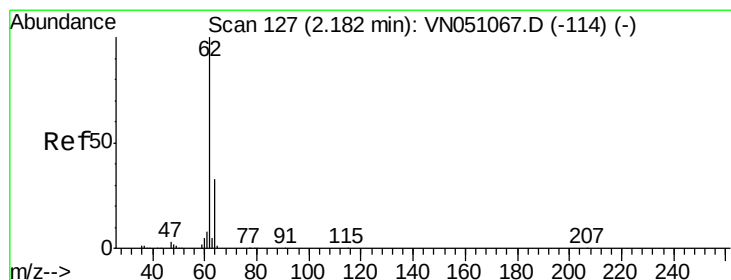
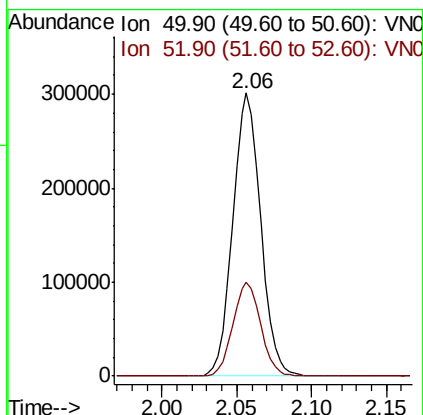
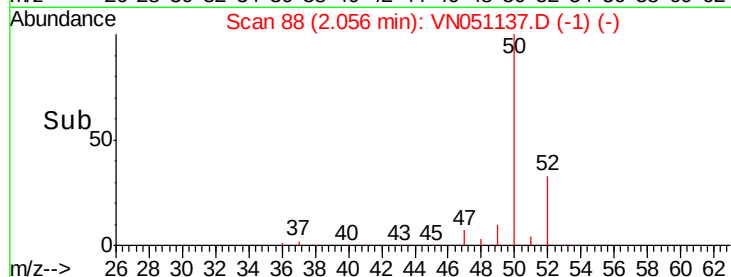
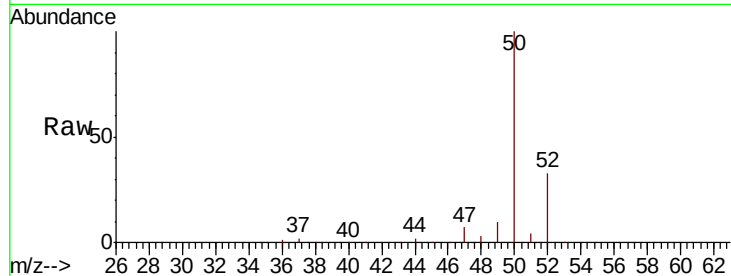
VSTDCCC050

Tot Ion: 50 Resp: 391154

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 44.09 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051137.D

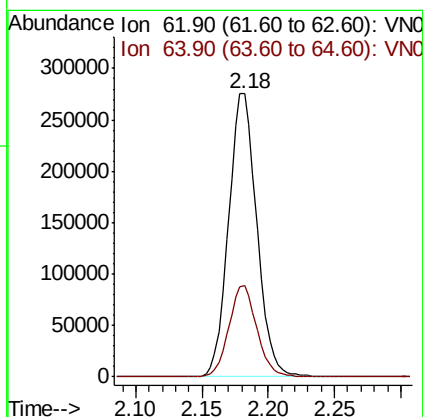
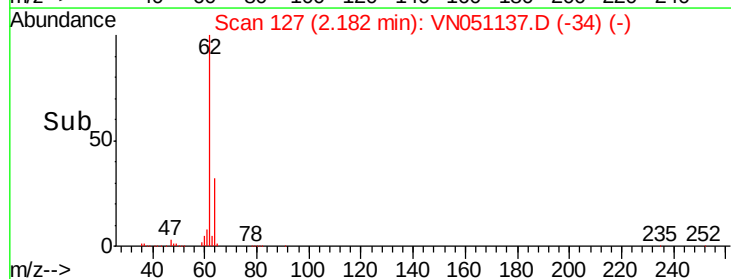
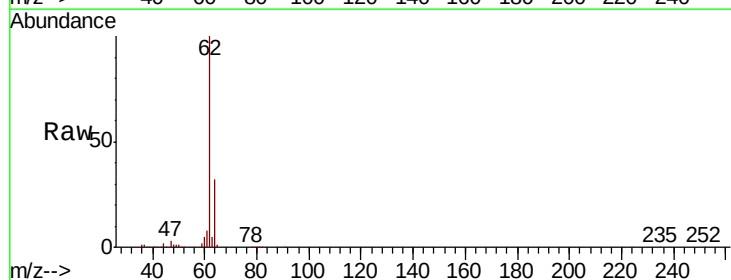
Acq: 12 Sep 2018 8:31

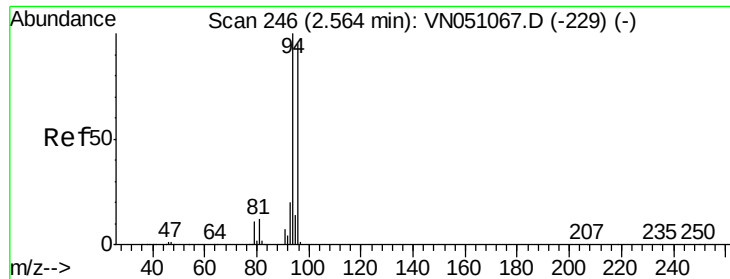
Tgt Ion: 62 Resp: 408288

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 40.38 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

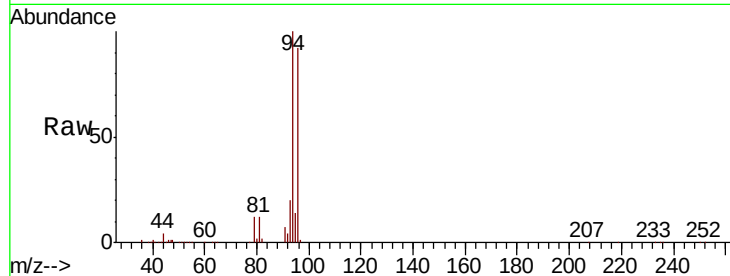
VSTDCCC050

Tot Ion: 94 Resp: 211976

Ion Ratio Lower Upper

94 100

96 92.1 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

120000

100000

80000

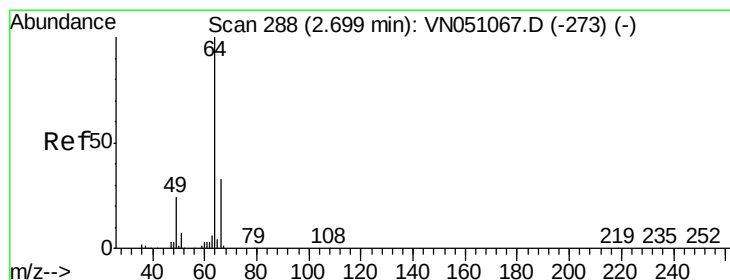
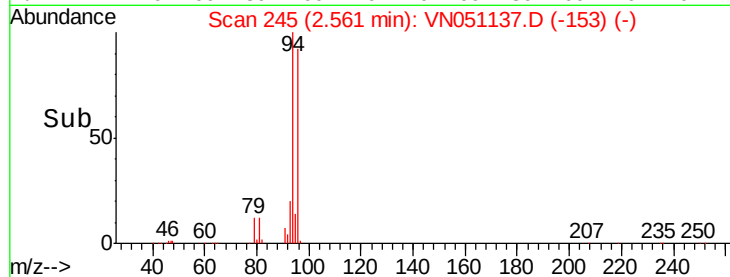
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 42.89 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051137.D

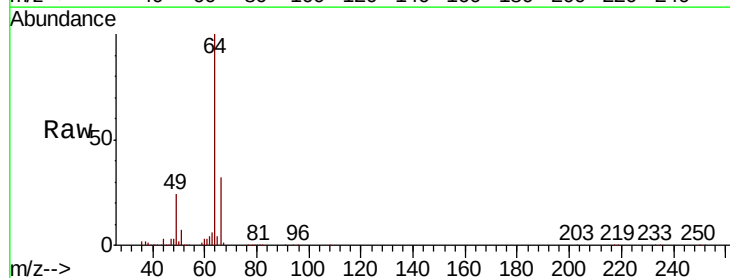
Acq: 12 Sep 2018 8:31

Tgt Ion: 64 Resp: 245094

Ion Ratio Lower Upper

64 100

66 31.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

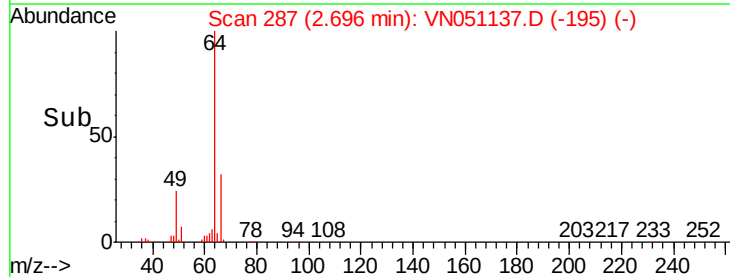
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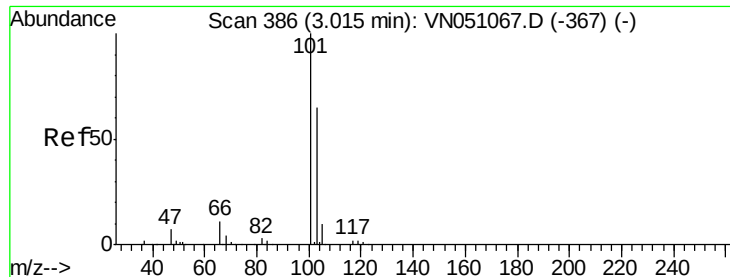
100000

50000

0

Time--> 2.60 2.70 2.80



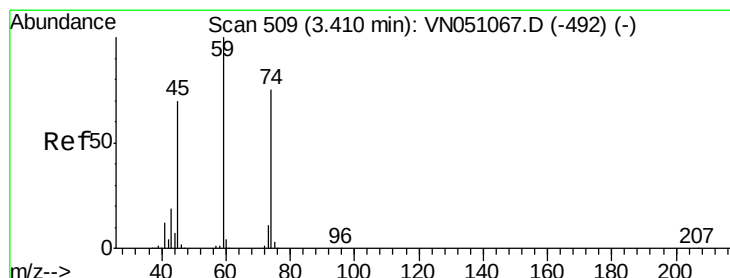
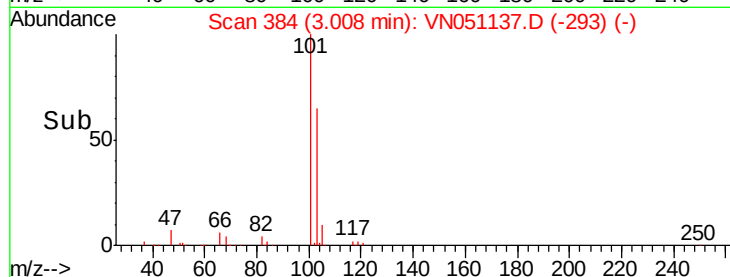
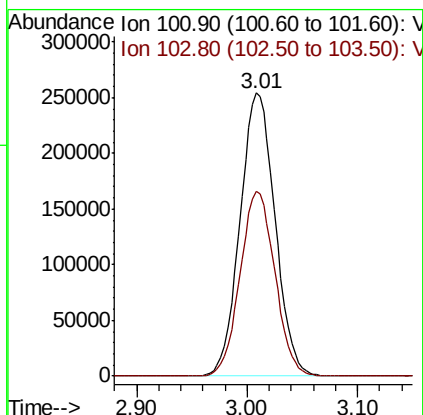
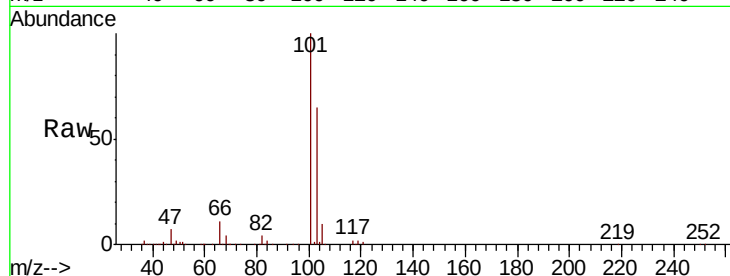


#7

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

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

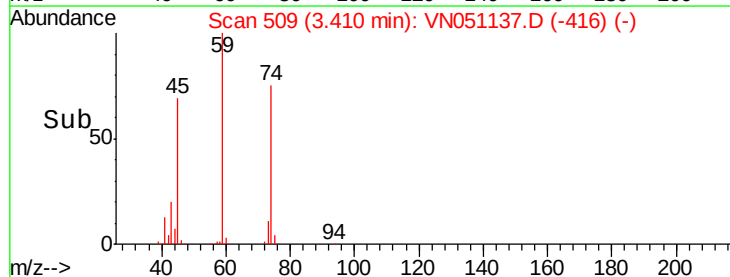
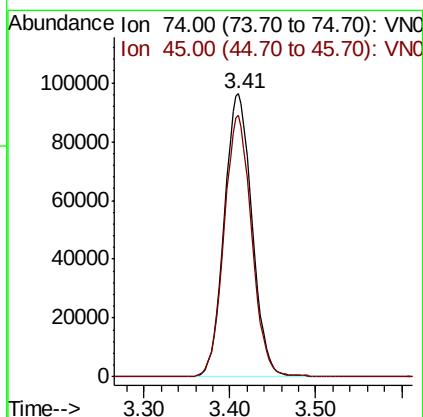
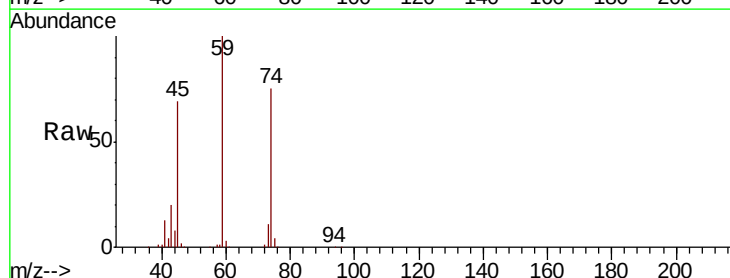
Tot Ion:101 Resp: 559137
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.4 78.6

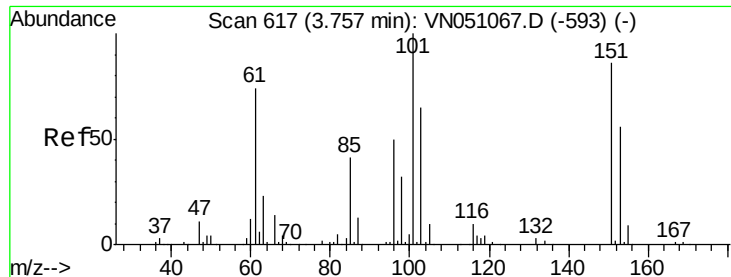


#8

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

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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.25 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

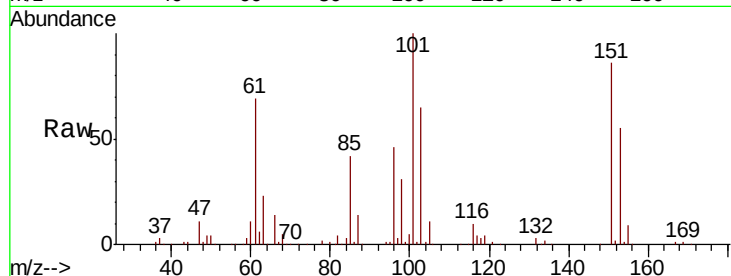
Tot Ion:101 Resp: 365777

Ion Ratio Lower Upper

101 100

85 40.9 33.3 49.9

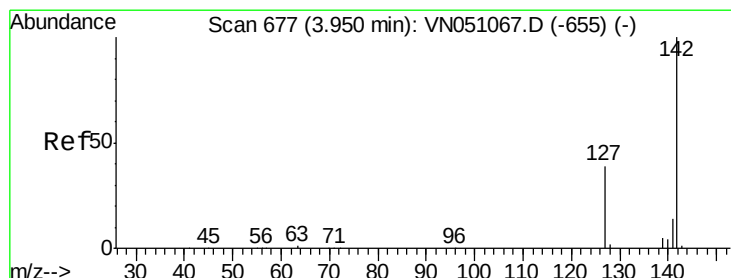
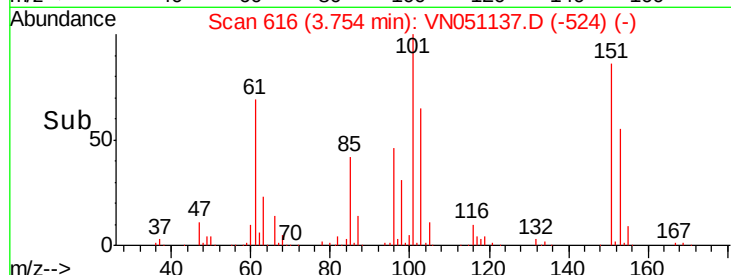
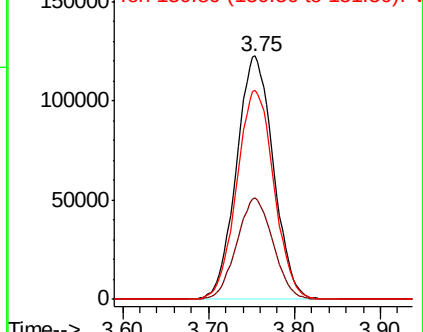
151 86.4 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.01 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

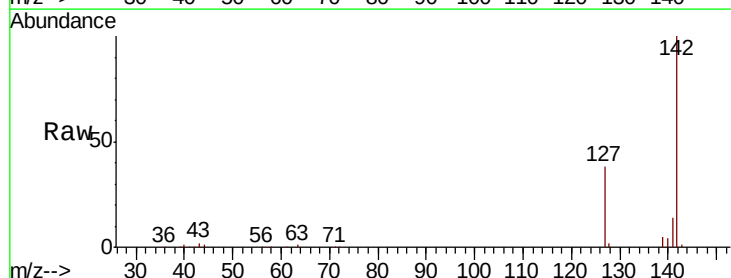
Tgt Ion:142 Resp: 236527

Ion Ratio Lower Upper

142 100

127 39.5 31.0 46.4

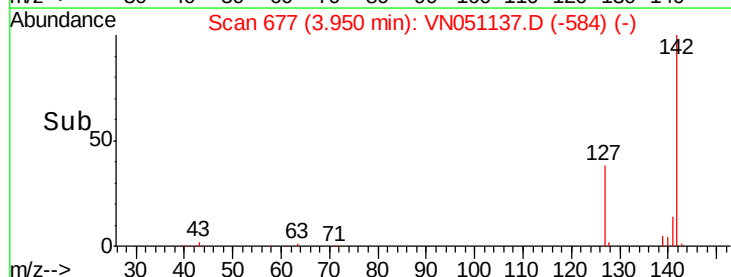
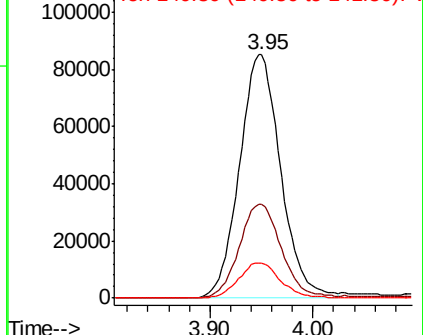
141 14.6 11.3 16.9

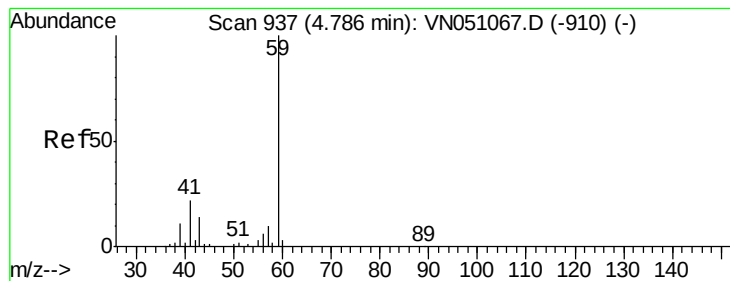


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 247.66 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

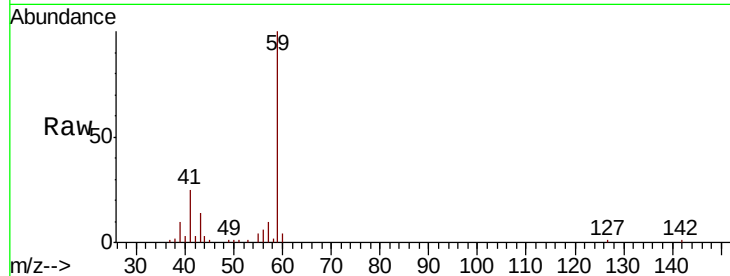
VSTDCCC050

Tot Ion: 59 Resp: 147254

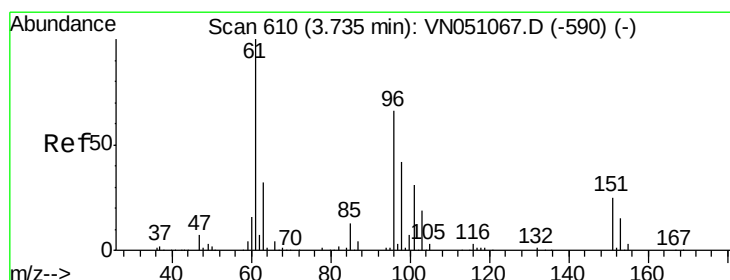
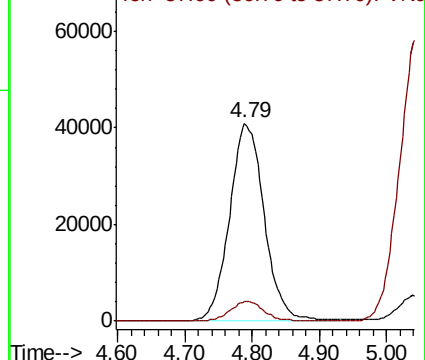
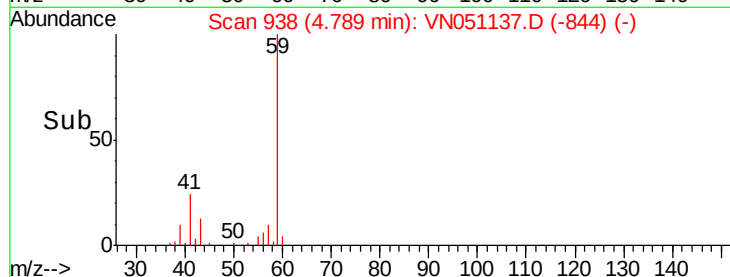
Ion Ratio Lower Upper

59 100

57 9.5 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VN051137.D (-844) (-)



#12

1,1-Dichloroethene

Concen: 44.86 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

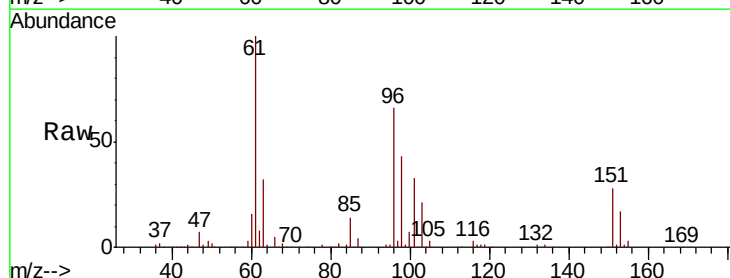
Tgt Ion: 96 Resp: 334711

Ion Ratio Lower Upper

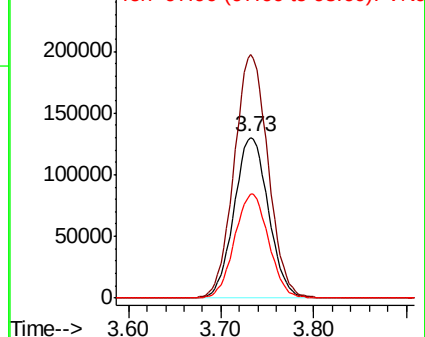
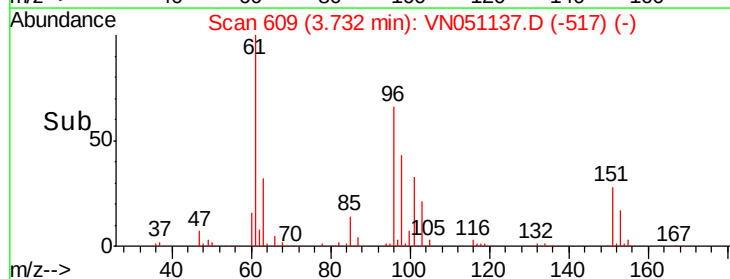
96 100

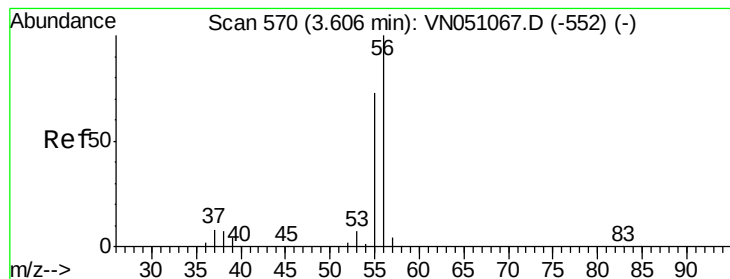
61 151.6 120.3 180.5

98 64.6 50.8 76.2



Abundance Ion 95.90 (95.60 to 96.60): VN051137.D (-517) (-)





#13

Acrolein

Concen: 197.98 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

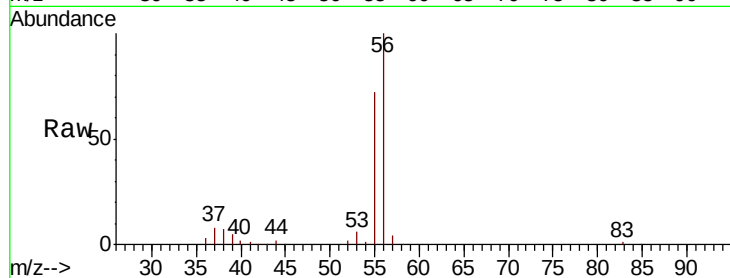
VSTDCCC050

Tot Ion: 56 Resp: 139625

Ion Ratio Lower Upper

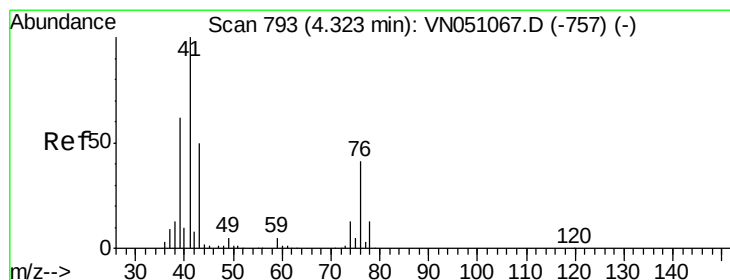
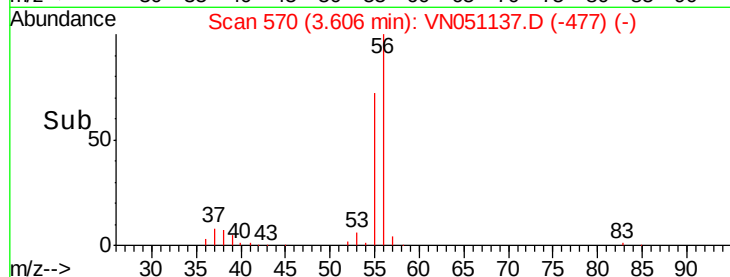
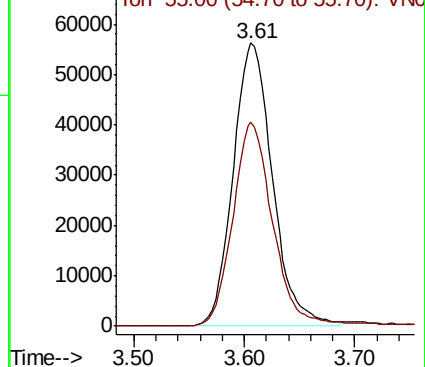
56 100

55 72.5 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 45.84 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

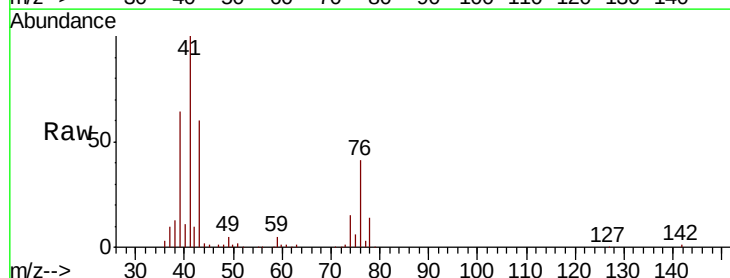
Tgt Ion: 41 Resp: 521137

Ion Ratio Lower Upper

41 100

39 60.7 48.8 73.2

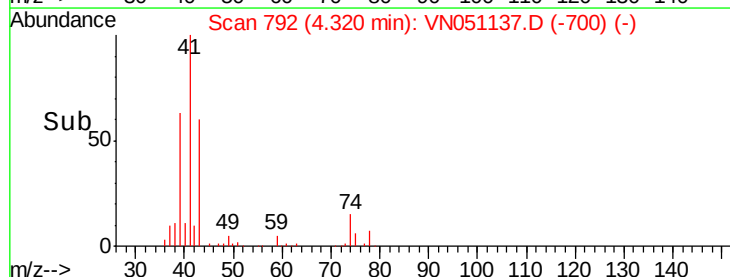
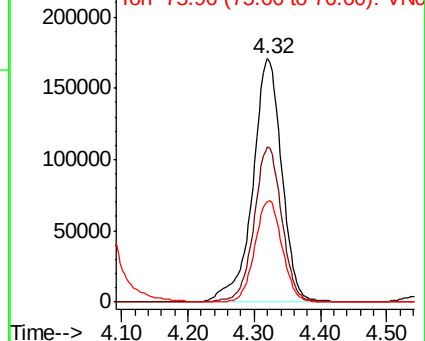
76 38.3 30.6 45.8

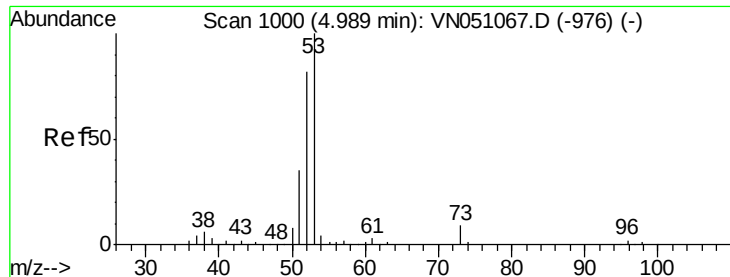


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 256.71 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

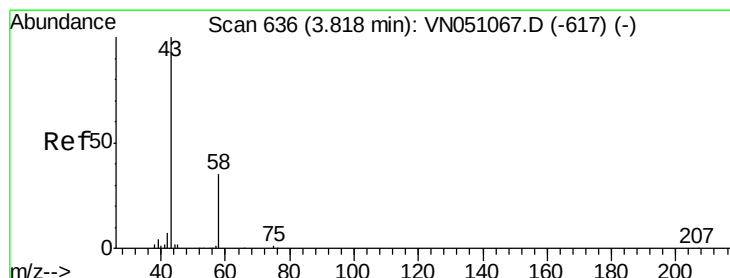
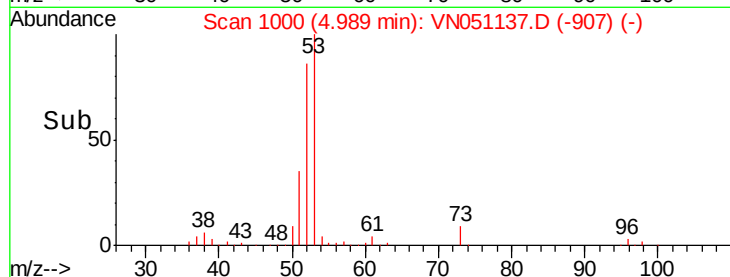
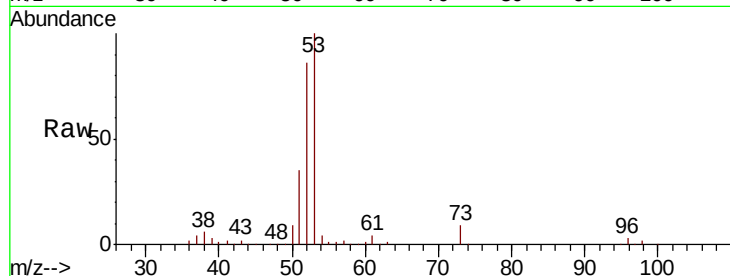
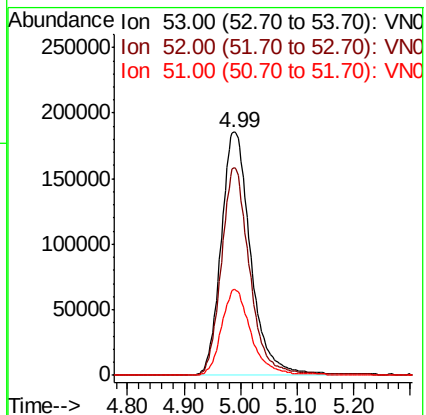
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 676339

Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.3	97.9
51	35.3	28.2	42.2



#16

Acetone

Concen: 277.05 ug/l

RT: 3.82 min Scan# 636

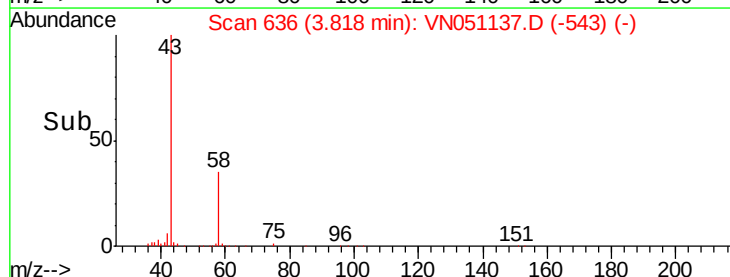
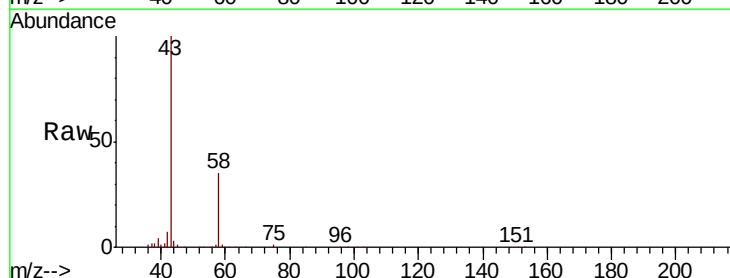
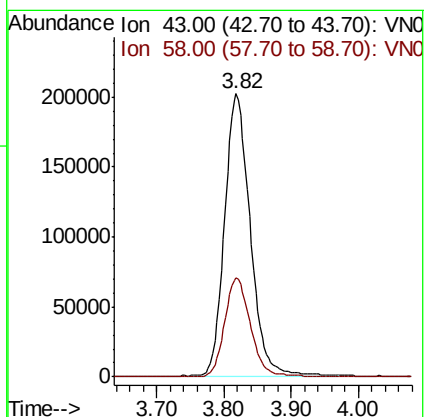
Delta R.T. 0.00 min

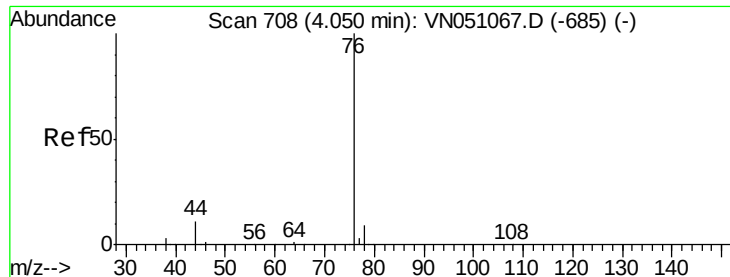
Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion: 43 Resp: 532038

Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.8	41.6

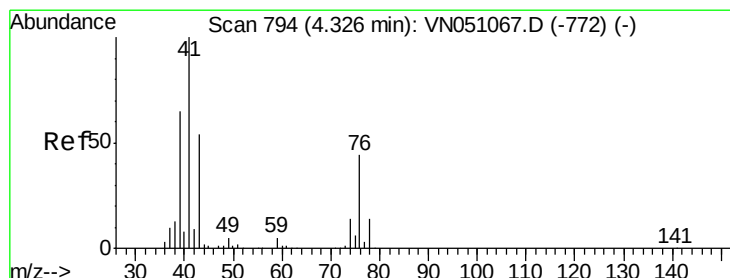
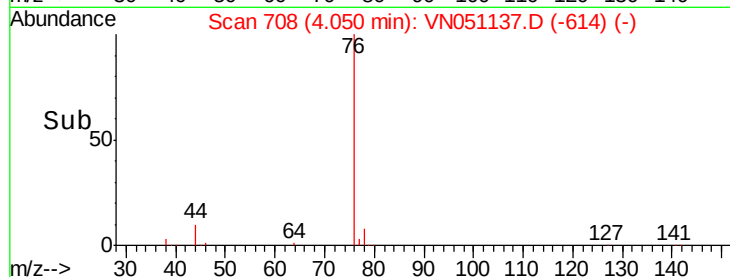
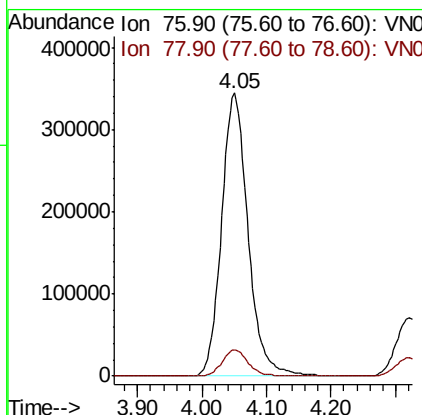
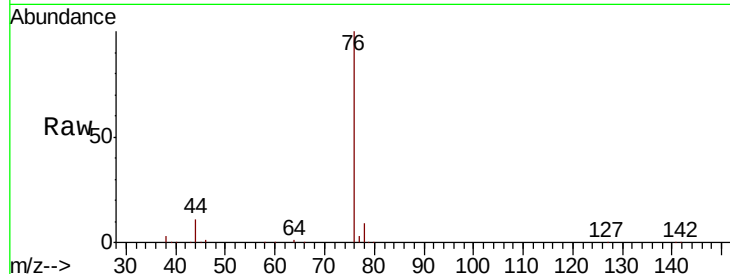




#17
Carbon Disulfide
Concen: 44.77 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

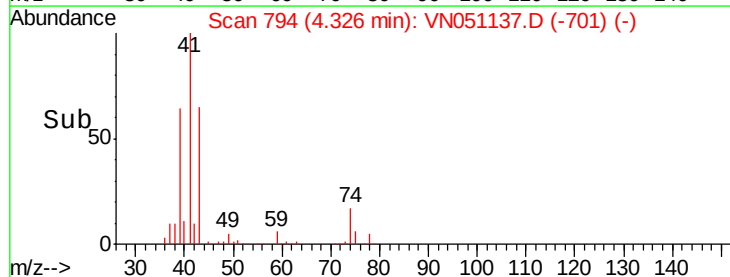
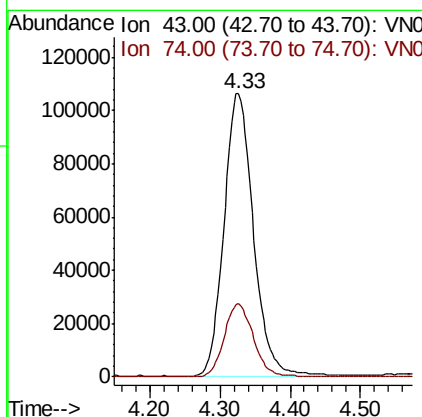
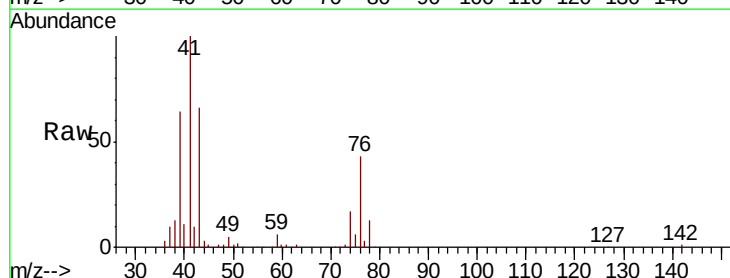
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

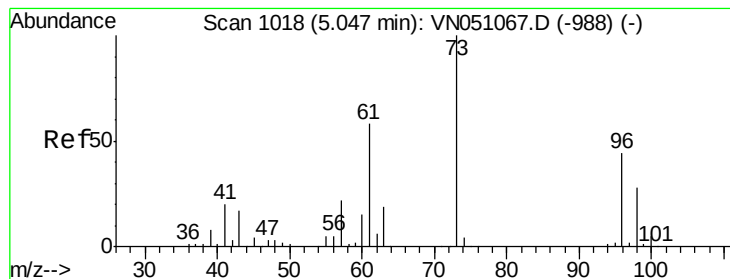
Tot Ion: 76 Resp: 984257
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



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

Tgt Ion: 43 Resp: 309219
Ion Ratio Lower Upper
43 100
74 25.7 20.7 31.1





#19

Methyl tert-butyl Ether

Concen: 49.53 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

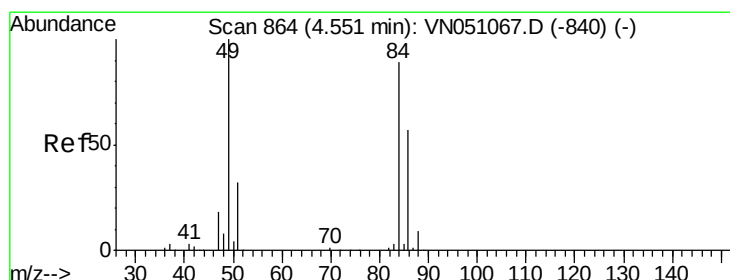
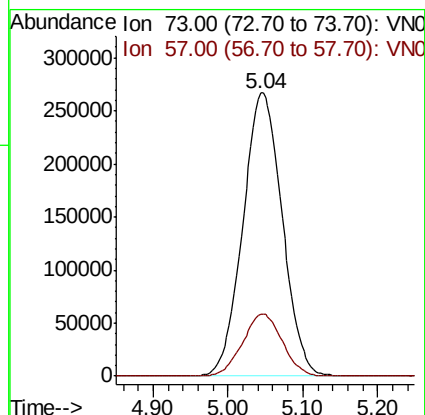
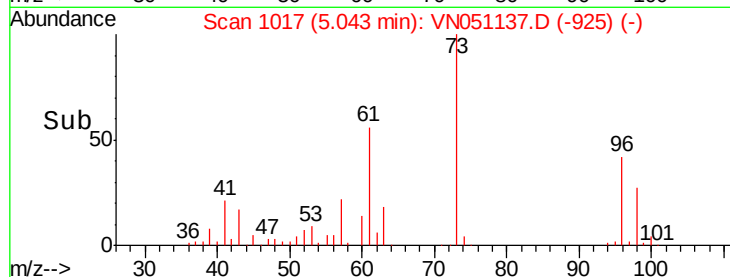
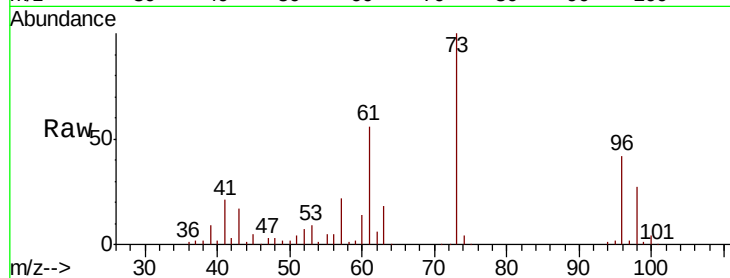
VSTDCCC050

Tot Ion: 73 Resp: 976917

Ion Ratio Lower Upper

73 100

57 22.0 17.9 26.9



#20

Methylene Chloride

Concen: 44.54 ug/l

RT: 4.55 min Scan# 863

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion: 84 Resp: 383002

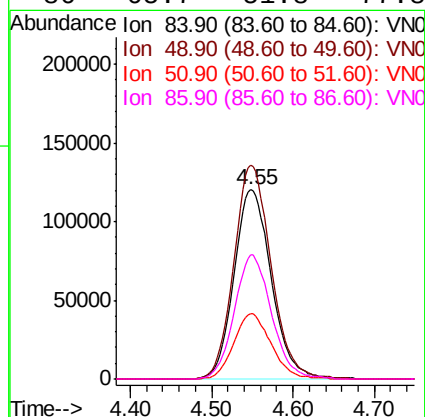
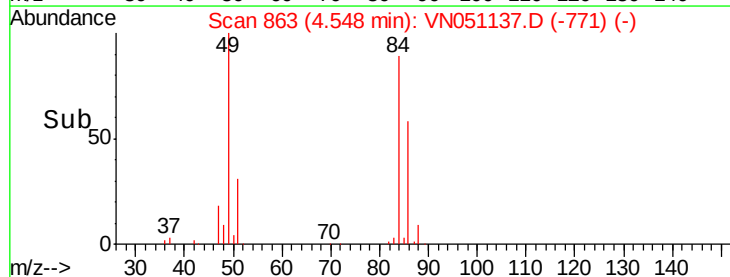
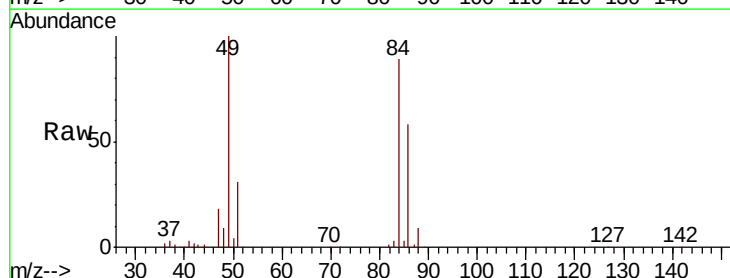
Ion Ratio Lower Upper

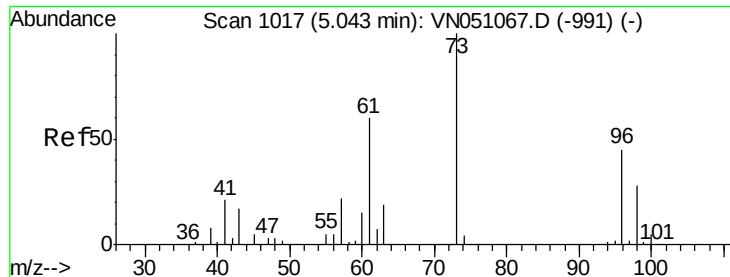
84 100

49 112.8 90.2 135.2

51 34.7 28.4 42.6

86 65.7 51.8 77.8

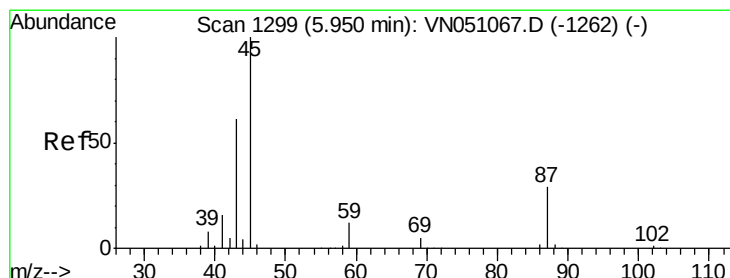
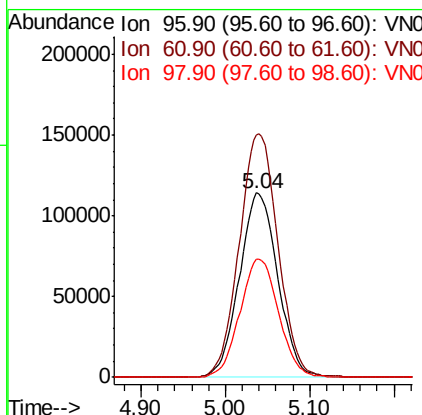
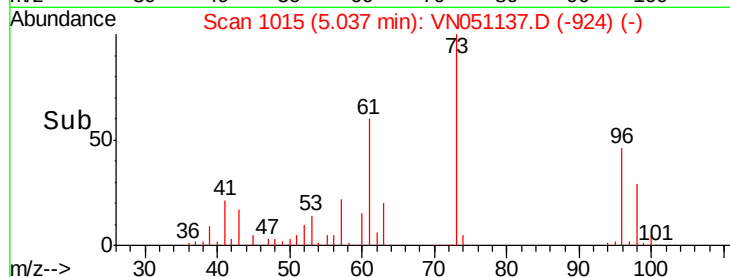
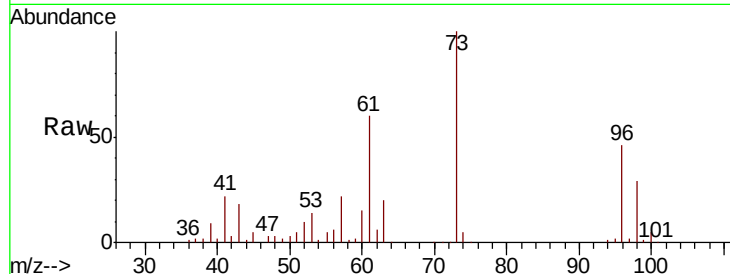




#21
trans-1,2-Dichloroethene
Concen: 44.76 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

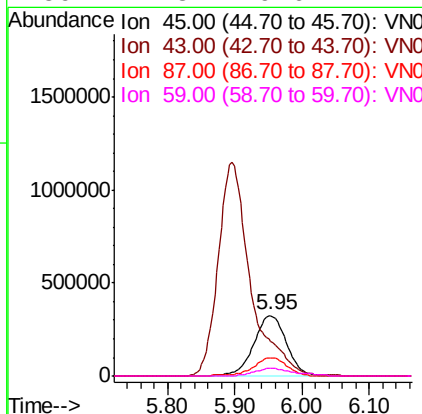
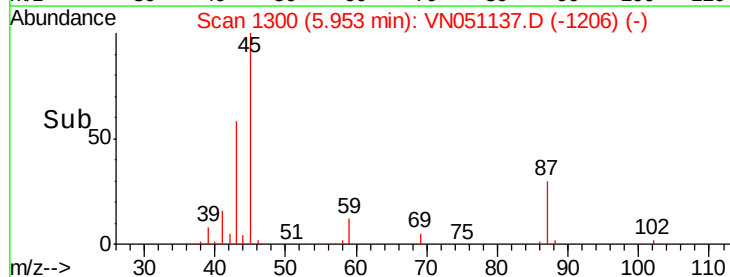
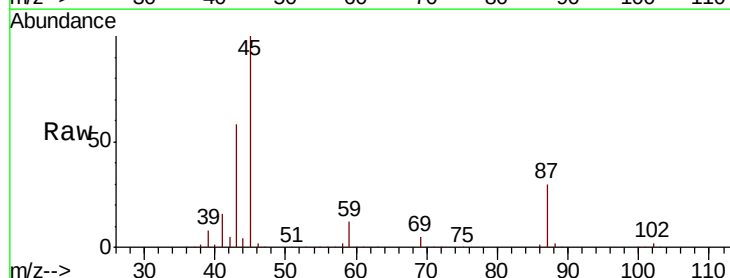
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

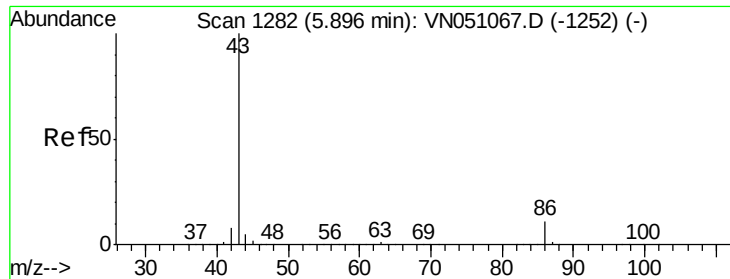
Tot Ion: 96 Resp: 362237
Ion Ratio Lower Upper
96 100
61 130.9 106.5 159.7
98 64.0 50.4 75.6



#22
Diisopropyl ether
Concen: 48.52 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

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

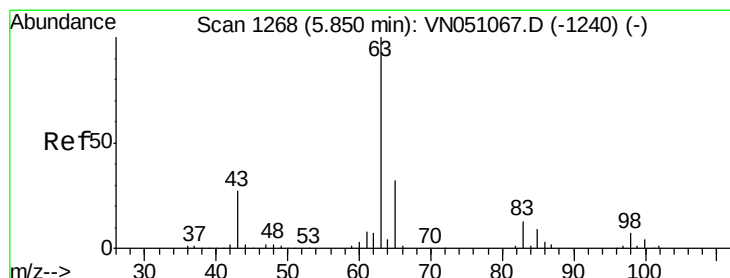
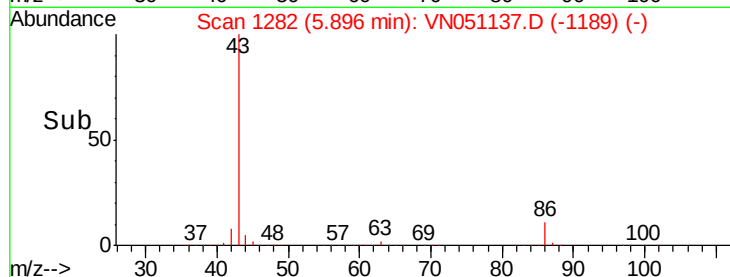
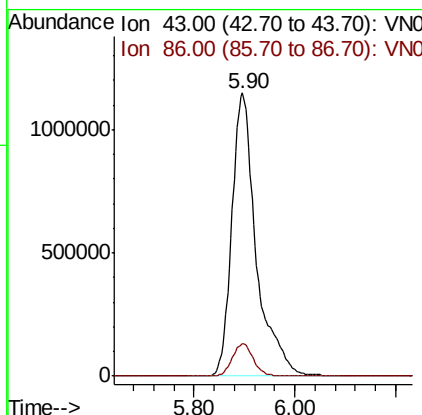
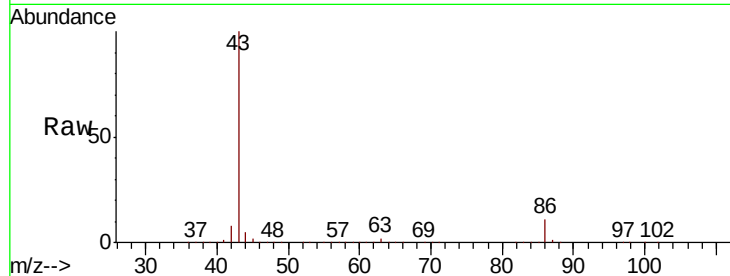




#23
 Vinyl Acetate
 Concen: 252.84 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

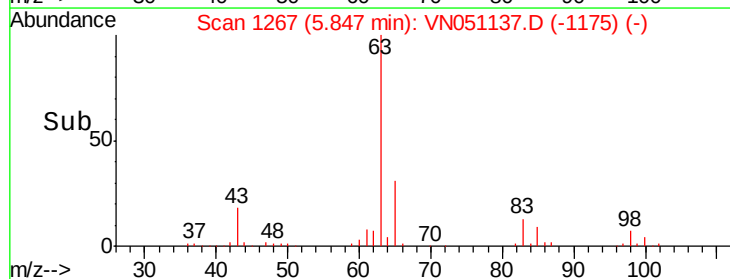
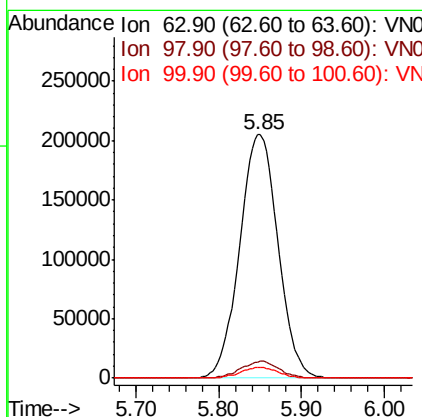
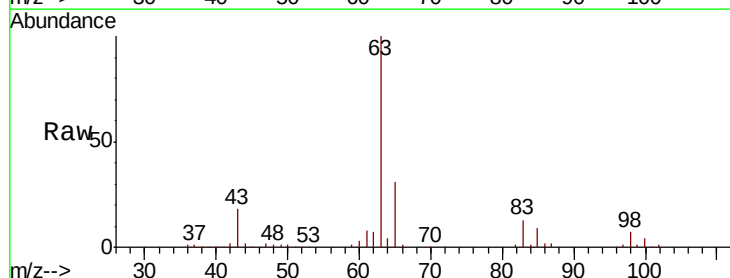
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

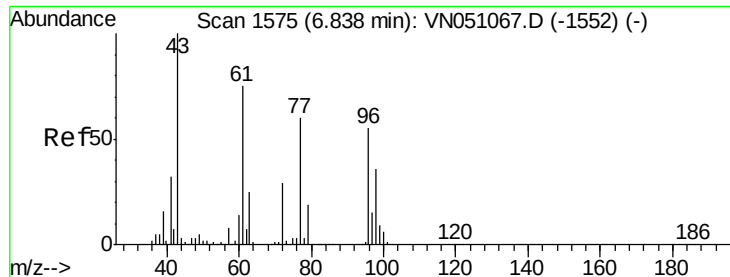
Tot Ion: 43 Resp: 3861104
 Ion Ratio Lower Upper
 43 100
 86 11.4 9.2 13.8



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

Tgt Ion: 63 Resp: 658525
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 4.3 2.1 6.3

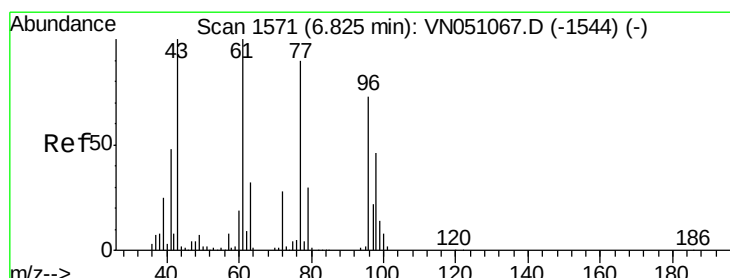
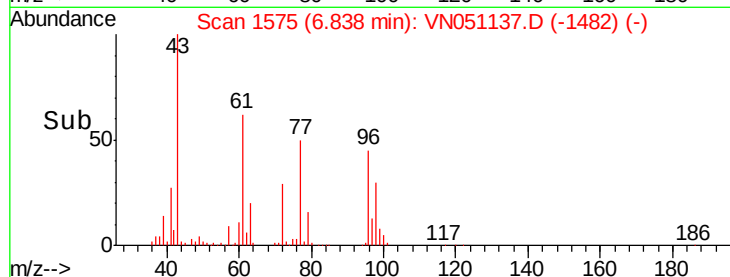
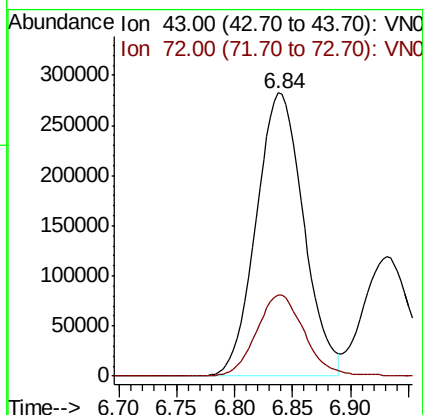
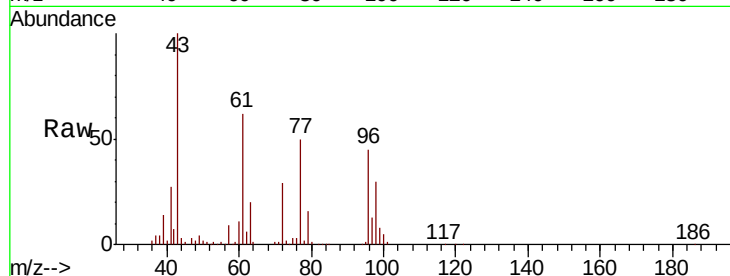




#25
2-Butanone
Concen: 261.95 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

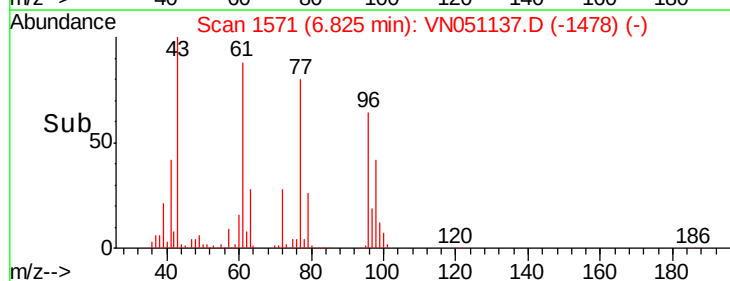
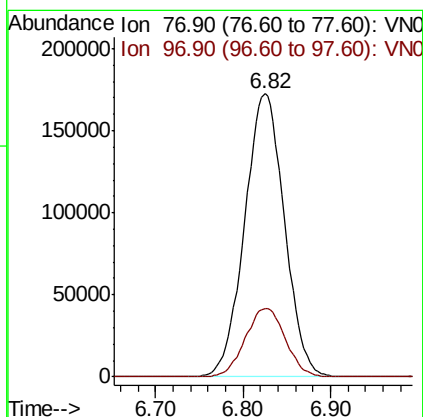
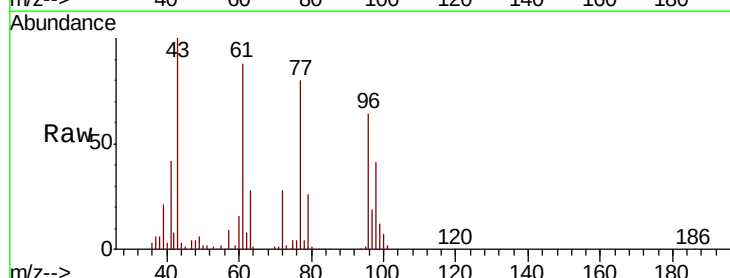
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

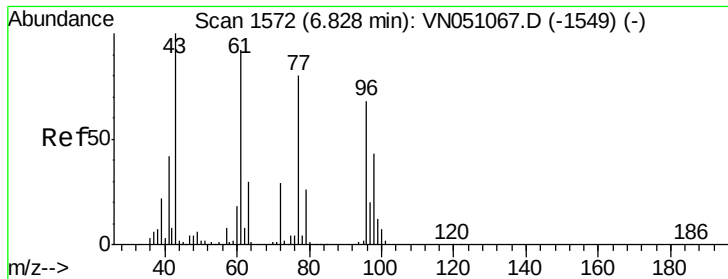
Tot Ion: 43 Resp: 801704
Ion Ratio Lower Upper
43 100
72 28.6 23.0 34.6



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

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





#27

cis-1,2-Dichloroethene

Concen: 45.95 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

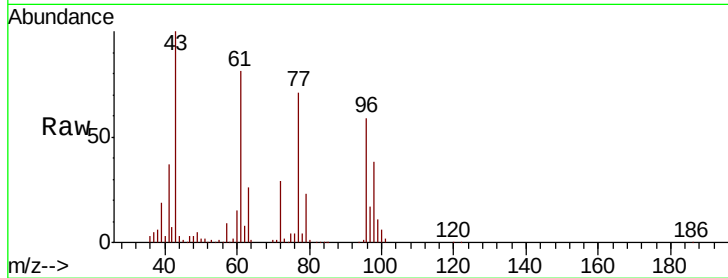
Tot Ion: 96 Resp: 407971

Ion Ratio Lower Upper

96 100

61 139.8 0.0 278.2

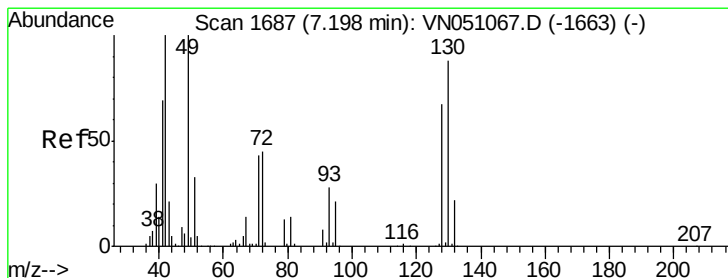
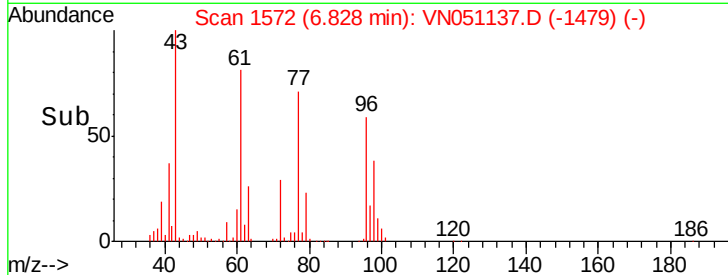
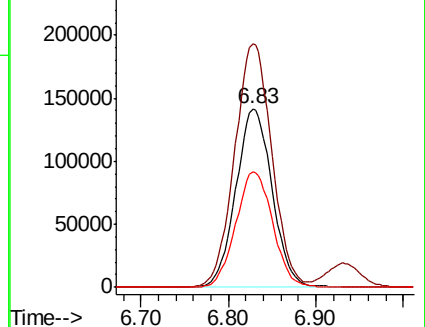
98 65.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VN051137.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN051137.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN051137.D (-1479) (-)



#28

Bromochloromethane

Concen: 48.25 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

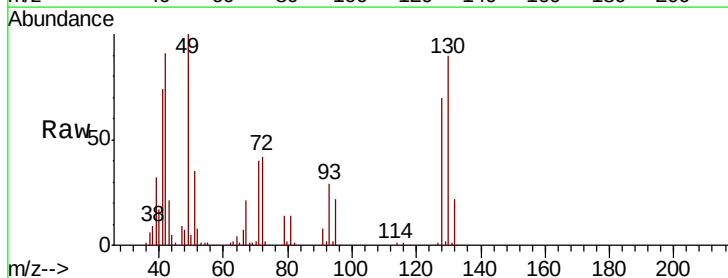
Tgt Ion: 49 Resp: 307451

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

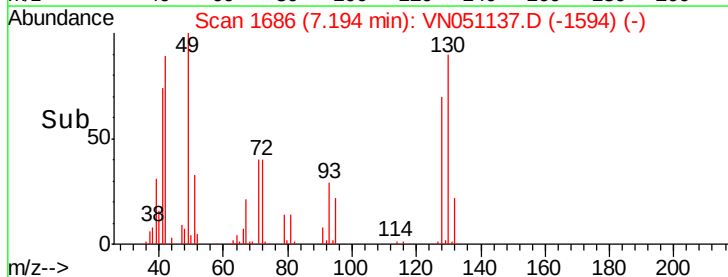
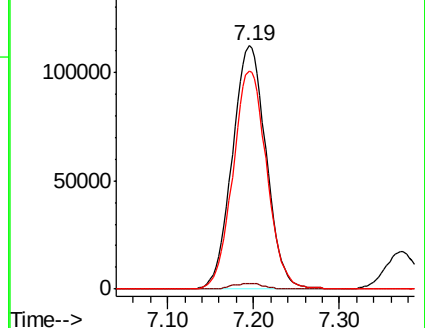
130 89.3 70.7 106.1

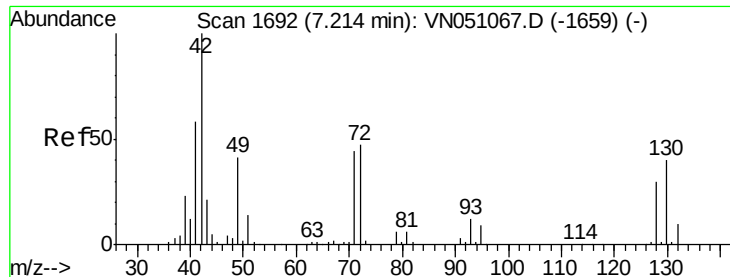


Abundance Ion 48.90 (48.60 to 49.60): VN051137.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN051137.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN051137.D (-1594) (-)

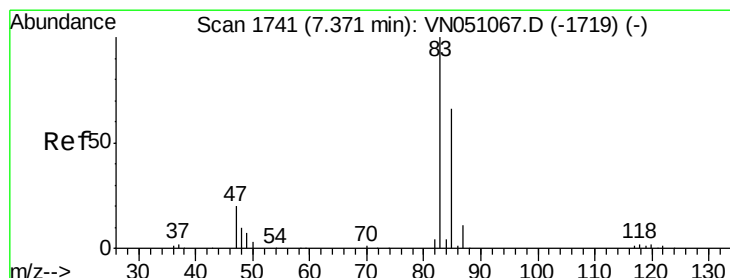
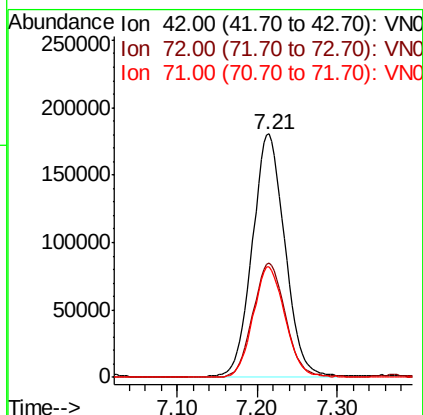
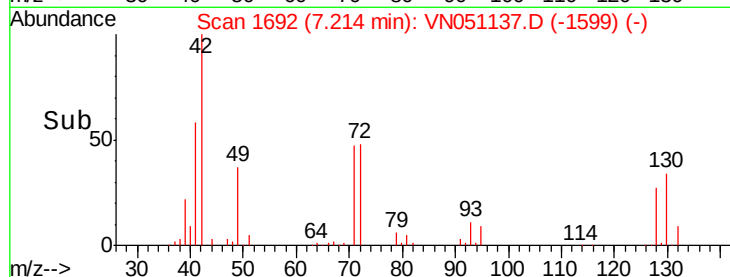
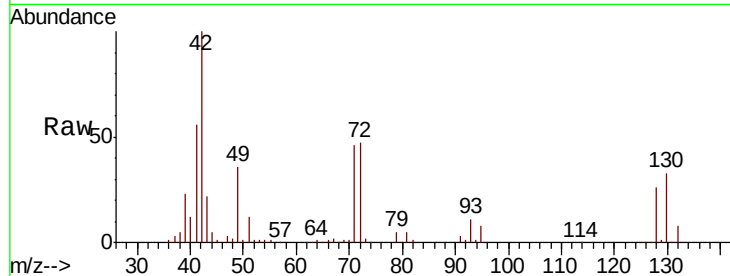




#29
Tetrahydrofuran
Concen: 263.81 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

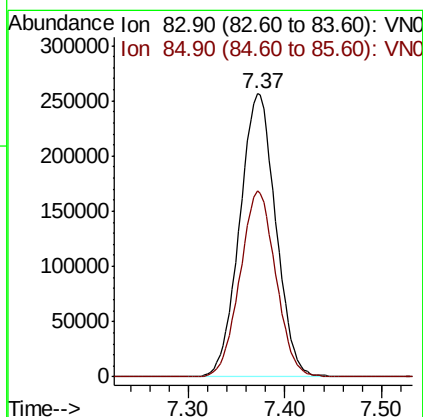
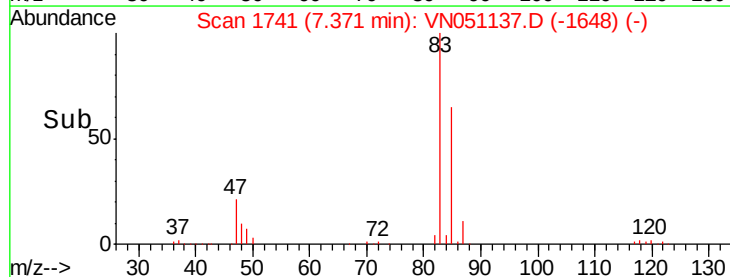
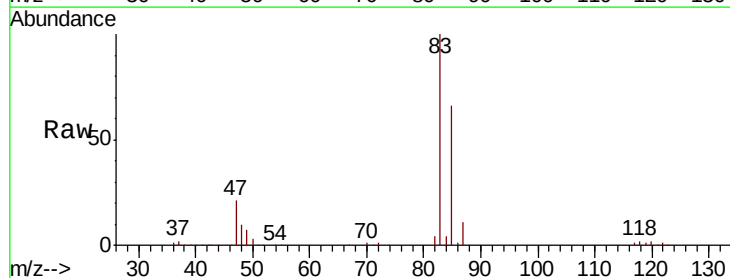
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

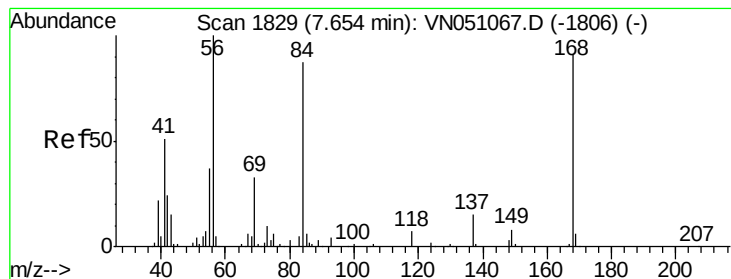
Tot Ion: 42 Resp: 504212
Ion Ratio Lower Upper
42 100
72 46.9 37.4 56.0
71 44.7 34.7 52.1



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

Tgt Ion: 83 Resp: 664451
Ion Ratio Lower Upper
83 100
85 65.6 52.6 79.0





#31

Cyclohexane

Concen: 46.44 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

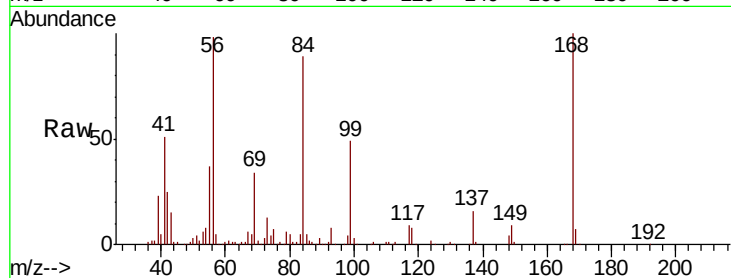
Tot Ion: 56 Resp: 593111

Ion Ratio Lower Upper

56 100

69 34.4 26.3 39.5

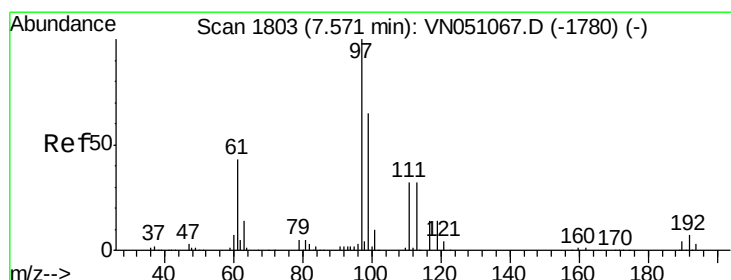
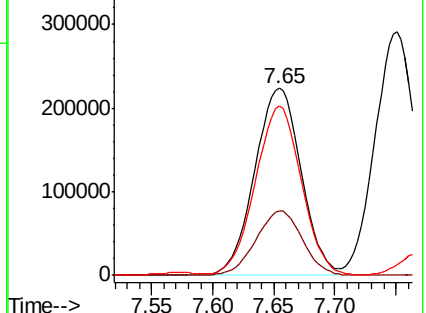
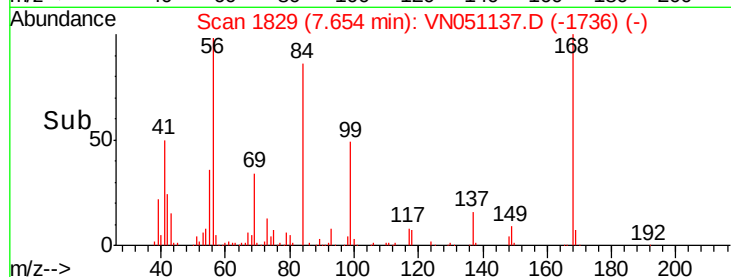
84 89.5 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN051137.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN051137.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN051137.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 46.78 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

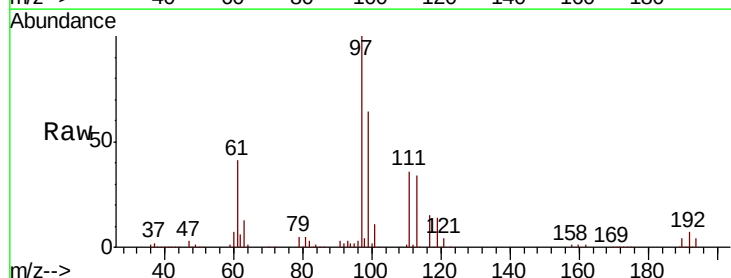
Tgt Ion: 97 Resp: 567723

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

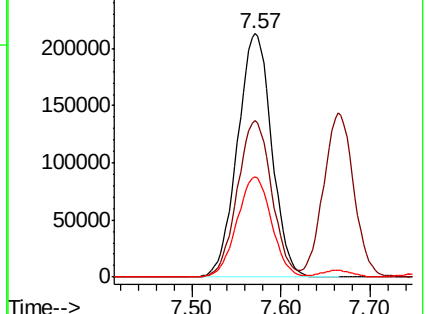
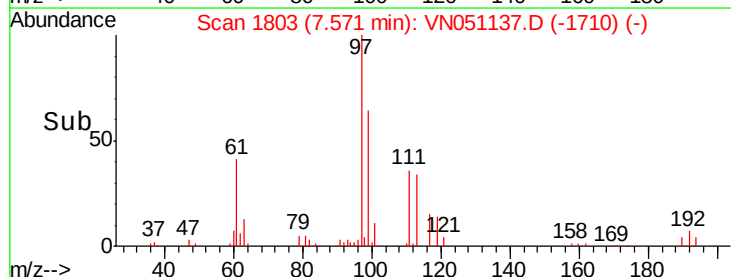
61 41.6 33.8 50.6

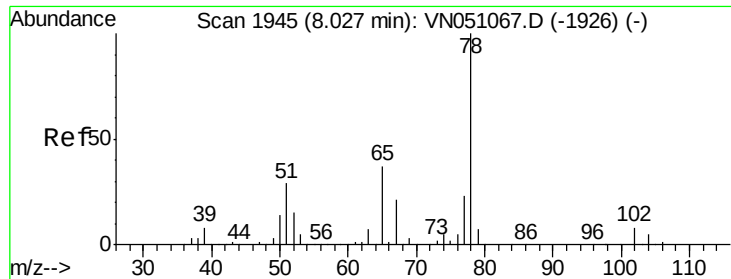


Abundance Ion 96.90 (96.60 to 97.60): VN051137.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN051137.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN051137.D (-1710) (-)

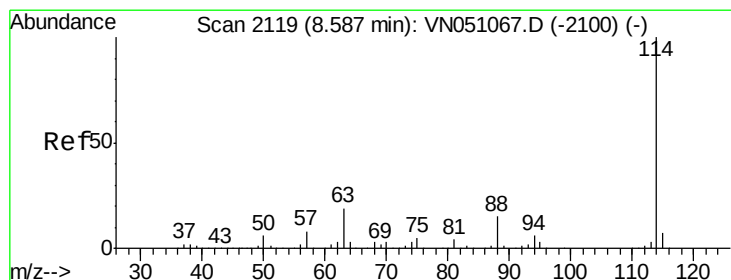
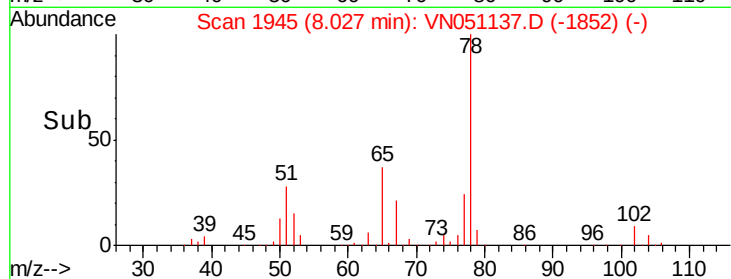
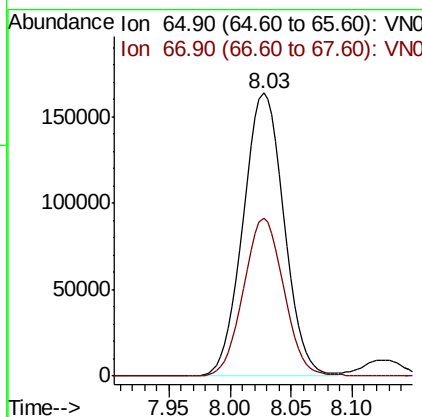
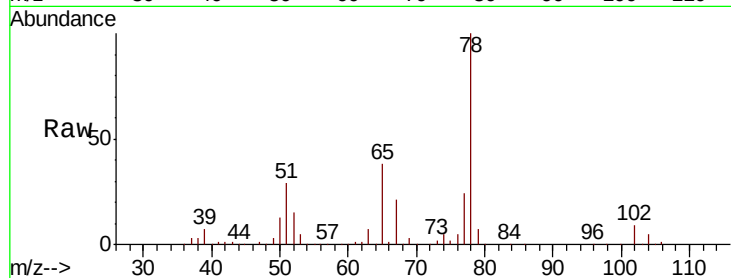




#33
 1,2-Dichloroethane-d4
 Concen: 48.93 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

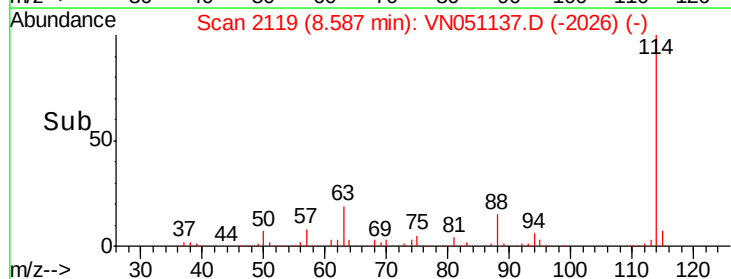
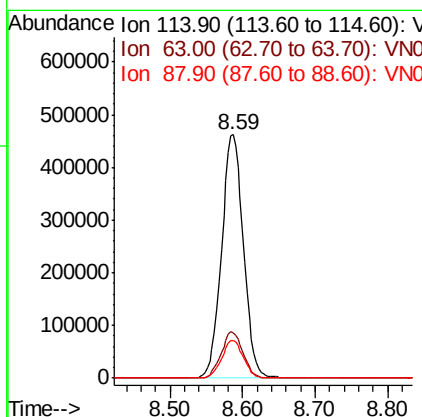
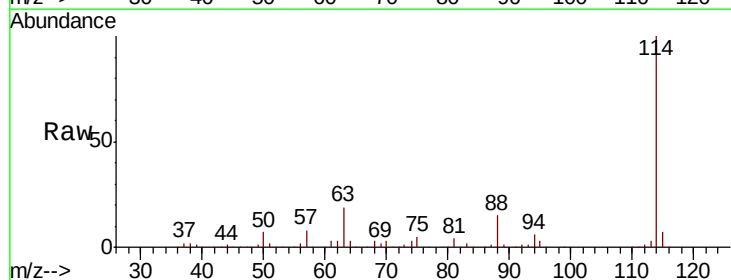
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

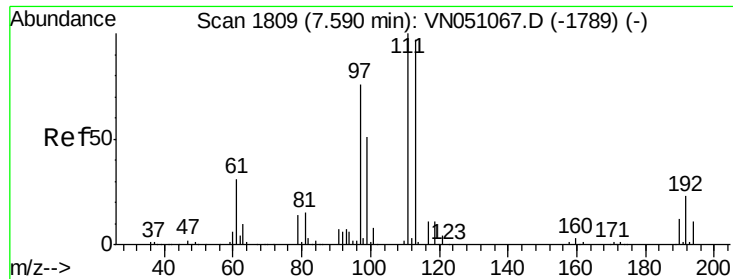
Tot Ion: 65 Resp: 380917
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 112.0



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

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

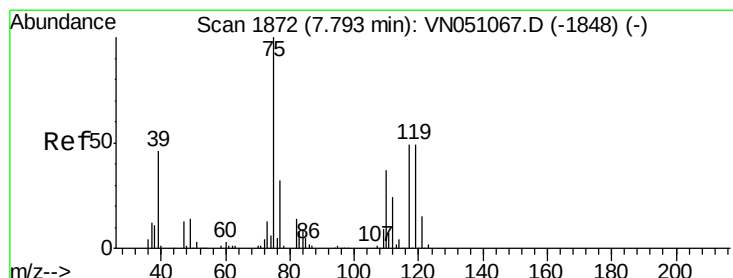
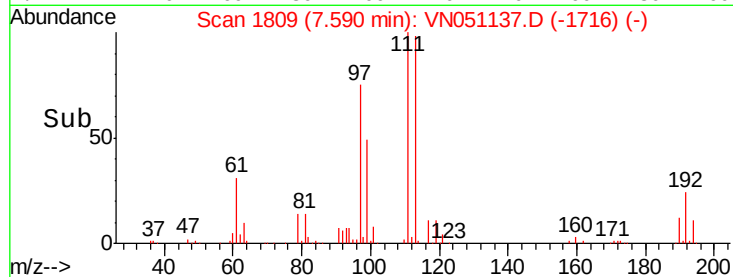
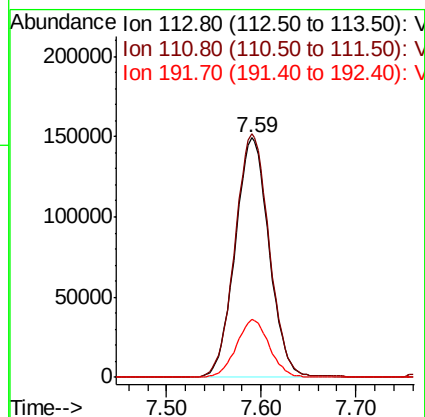
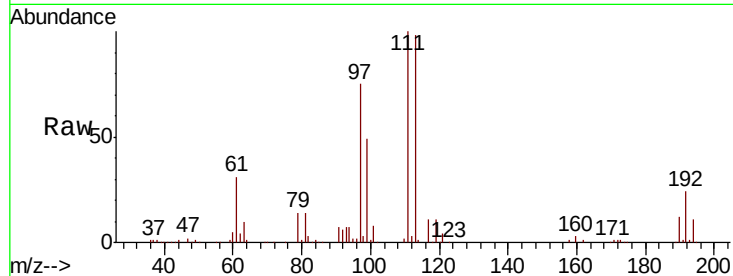




#35
 Dibromofluoromethane
 Concen: 51.50 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

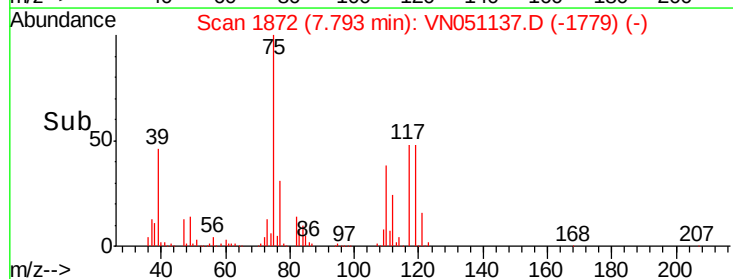
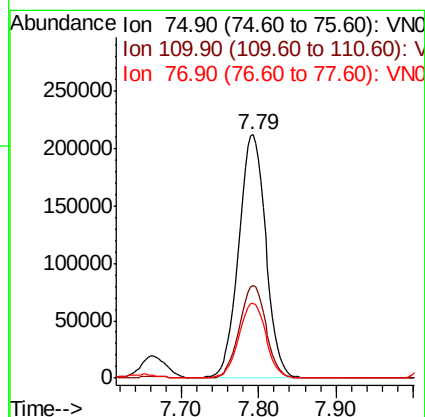
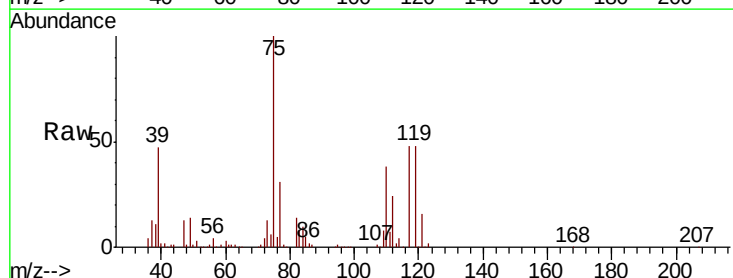
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

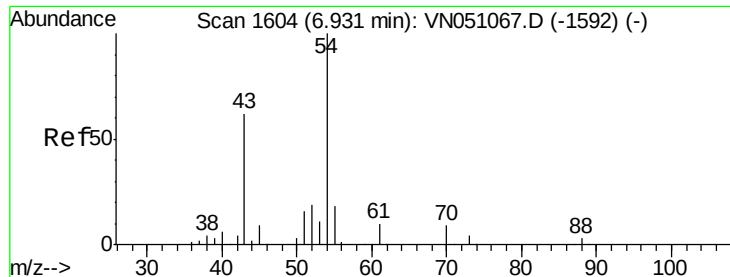
Tot Ion:113 Resp: 372746
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.0 124.6
 192 23.4 18.7 28.1



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

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

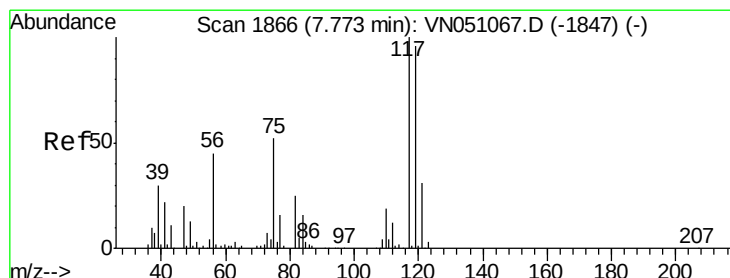
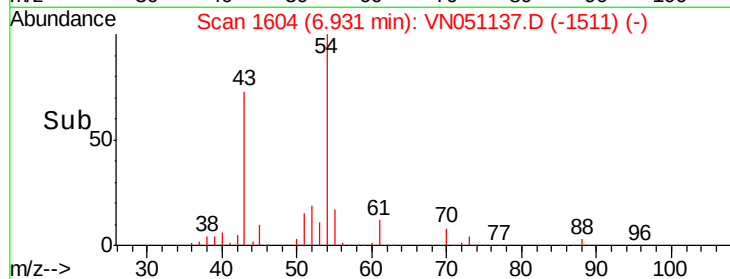
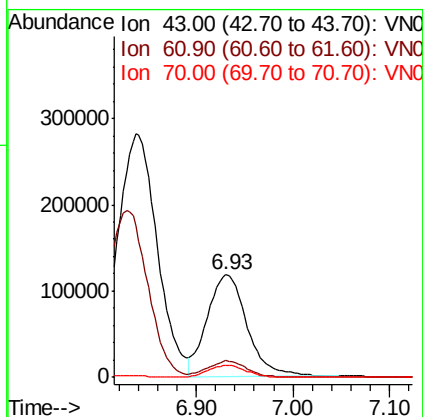
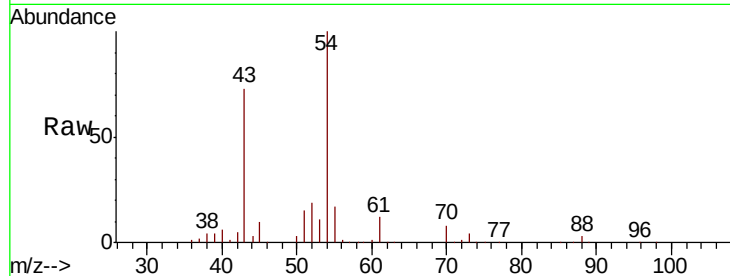




#37
Ethyl Acetate
Concen: 55.16 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

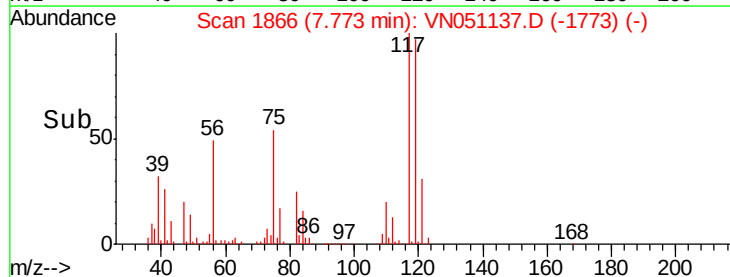
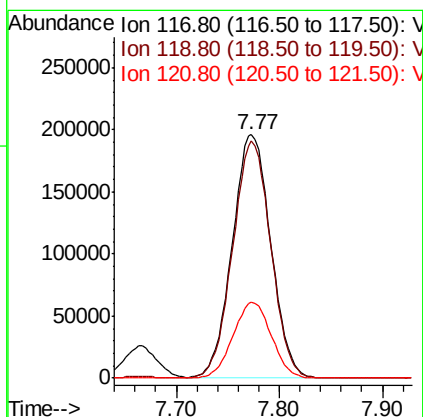
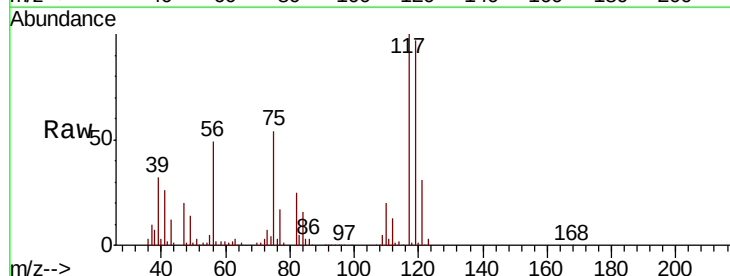
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

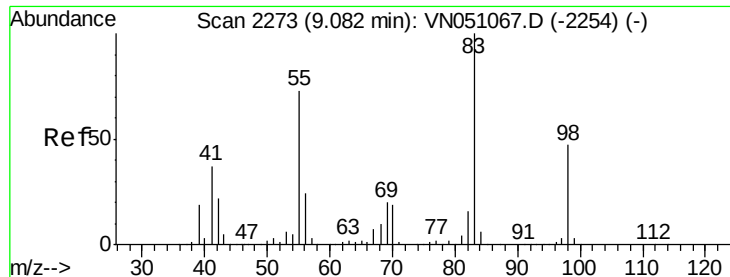
Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.1	12.4	18.6	
70	11.6	9.3	13.9	



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

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

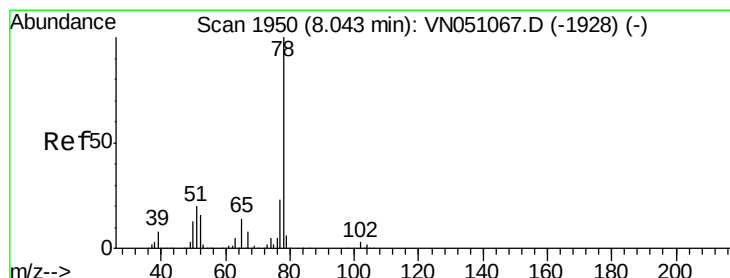
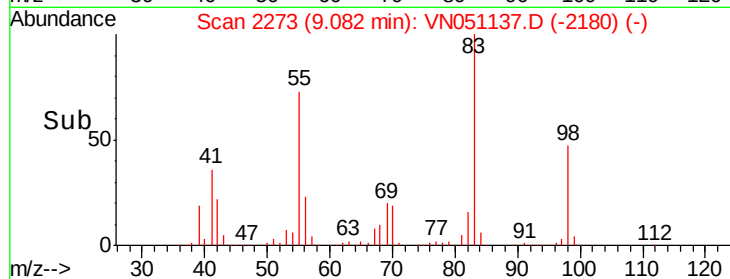
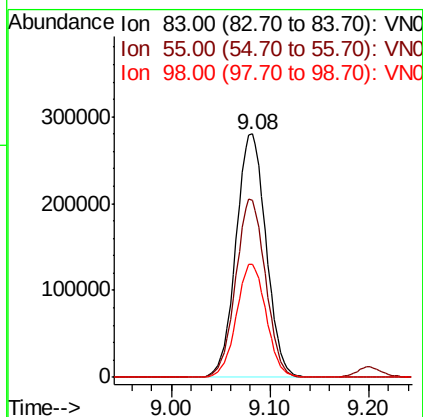
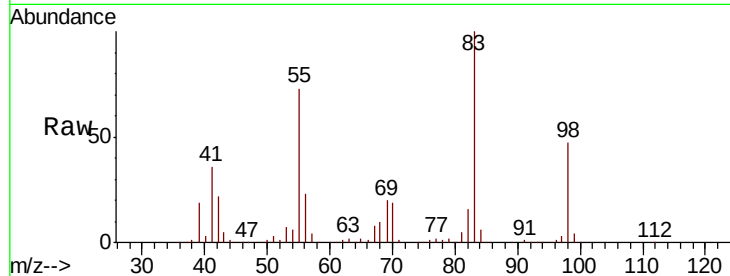




#39
Methylvlcyclohexane
Concen: 50.65 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

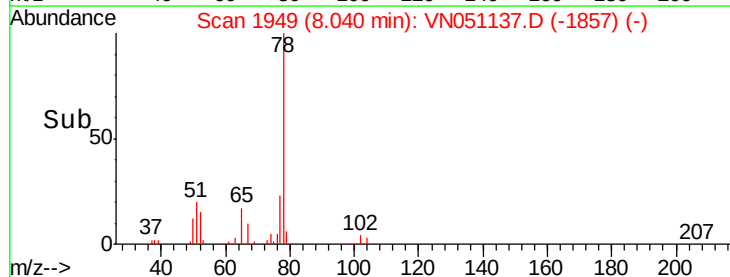
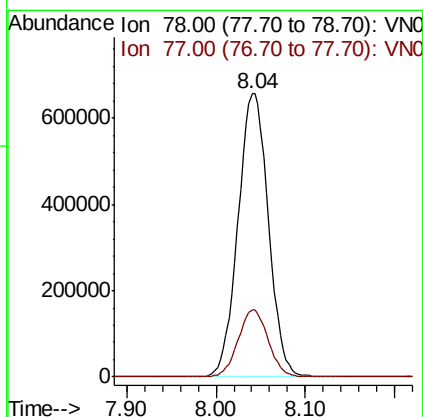
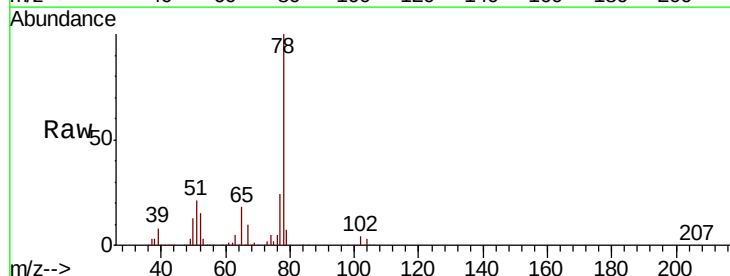
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

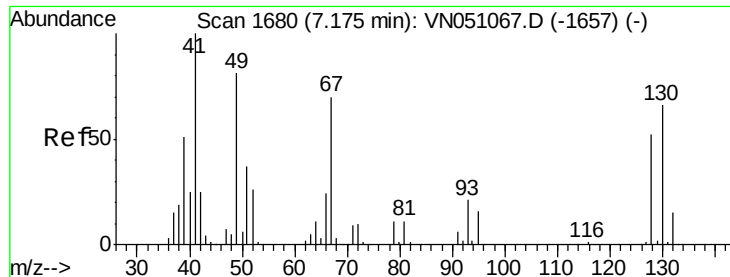
Tot Ion	83.00	Resp	591006
Ion	Ratio	Lower	Upper
83	100		
55	72.8	58.4	87.6
98	46.6	37.3	55.9



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

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

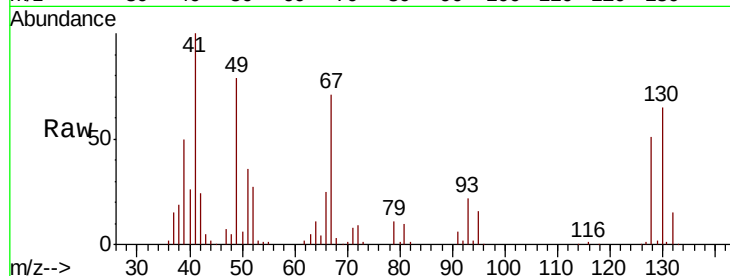




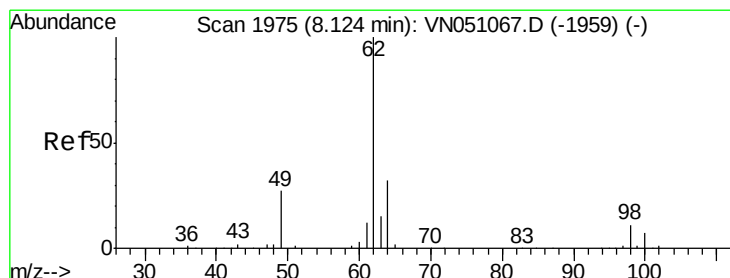
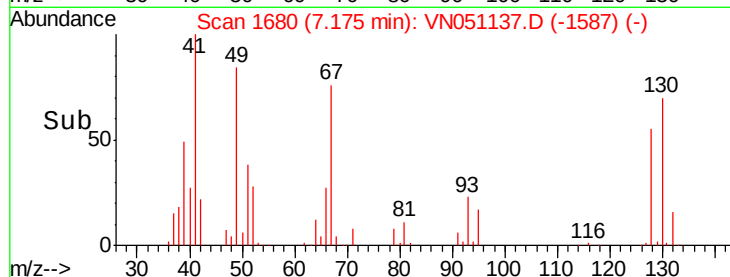
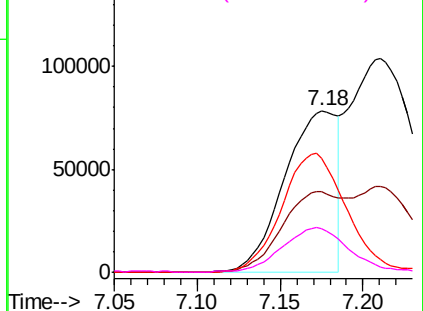
#41
Methacrylonitrile
Concen: 55.08 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

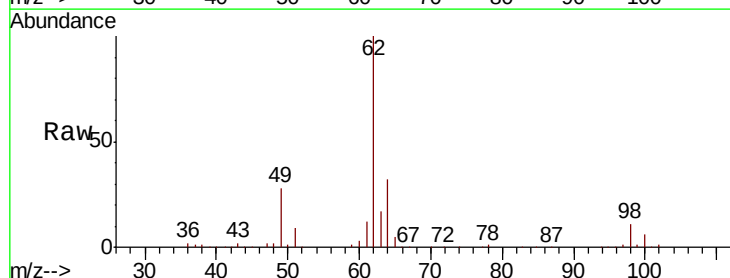


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

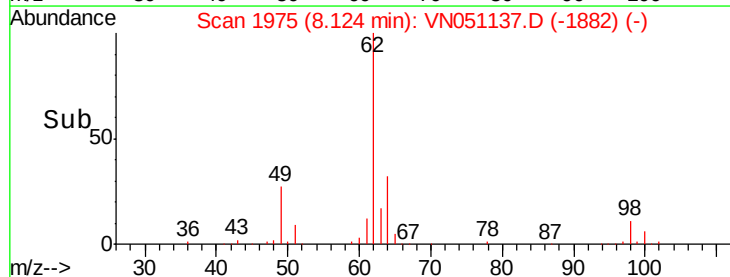
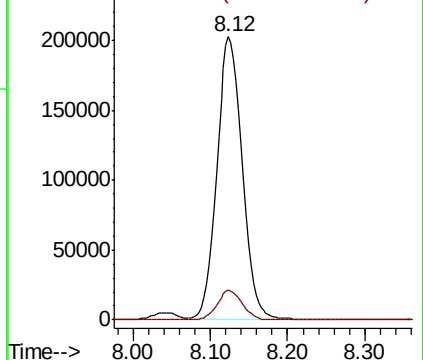


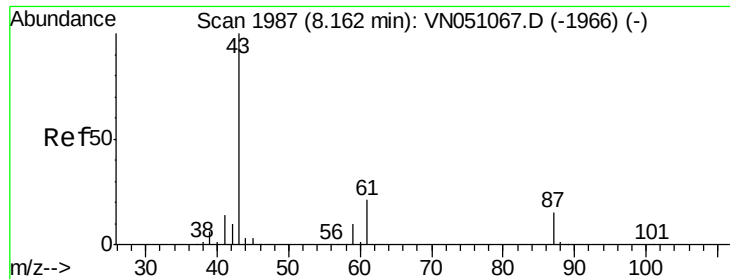
#42
1,2-Dichloroethane
Concen: 49.94 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

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



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 53.10 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

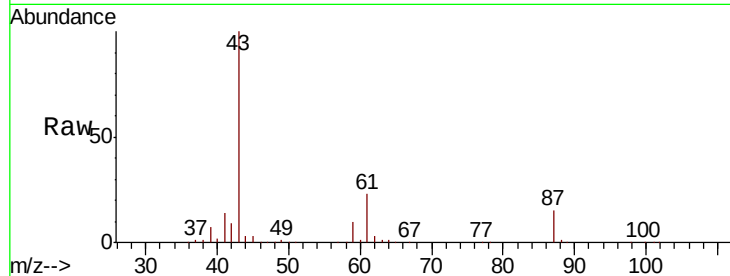
Tot Ion: 43 Resp: 573845

Ion Ratio Lower Upper

43 100

61 31.1 25.0 37.6

87 15.0 11.8 17.8



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

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

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

8.17

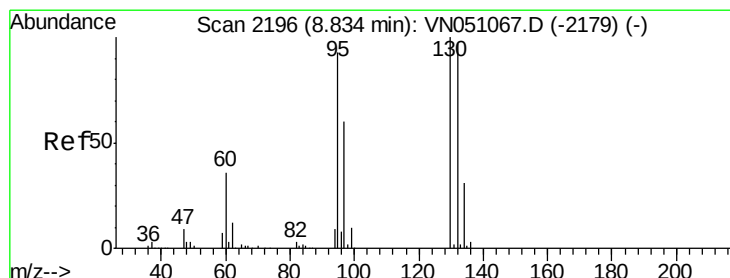
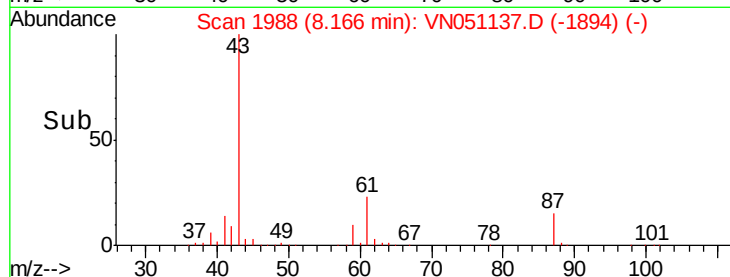
300000

200000

100000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 48.02 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN051137.D

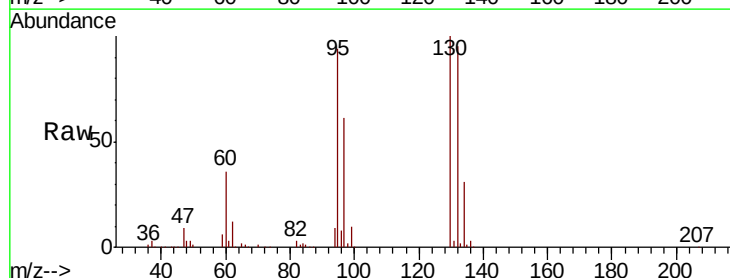
Acq: 12 Sep 2018 8:31

Tgt Ion: 130 Resp: 418546

Ion Ratio Lower Upper

130 100

95 94.3 0.0 186.2



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

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

8.83

200000

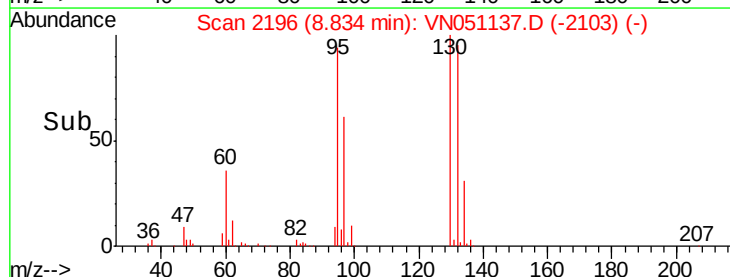
150000

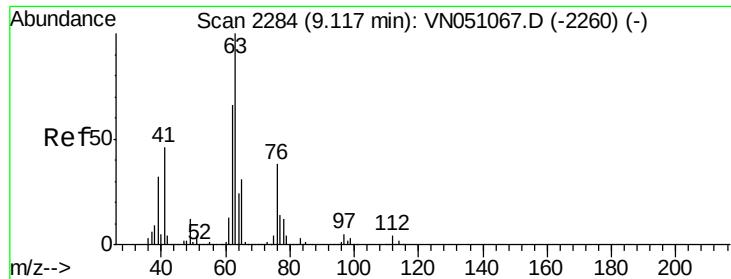
100000

50000

0

Time--> 8.70 8.80 8.90 9.00





#45

1,2-Dichloropropane

Concen: 49.19 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

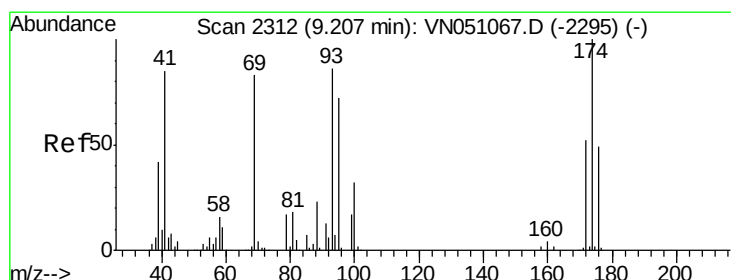
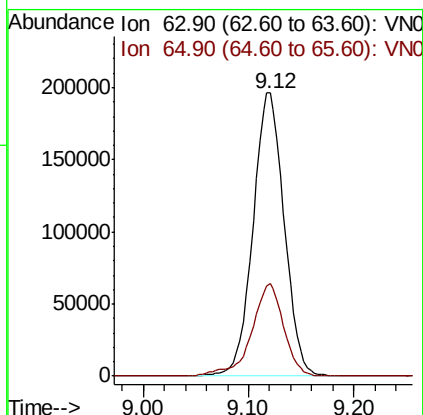
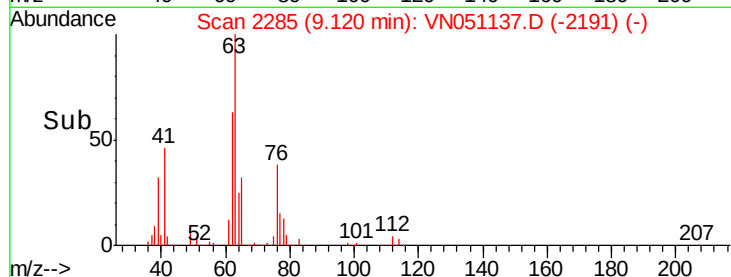
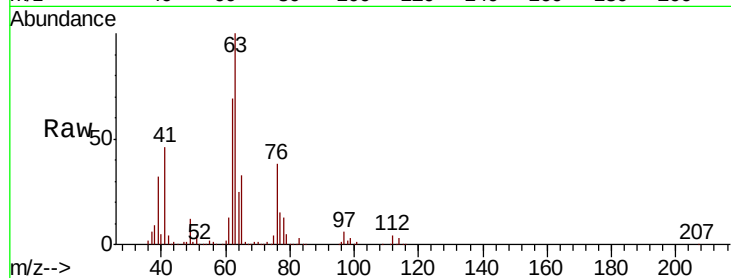
VSTDCCC050

Tot Ion: 63 Resp: 405060

Ion Ratio Lower Upper

63 100

65 32.6 24.7 37.1



#46

Dibromomethane

Concen: 49.32 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

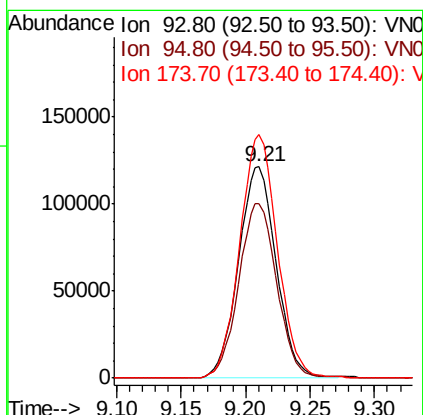
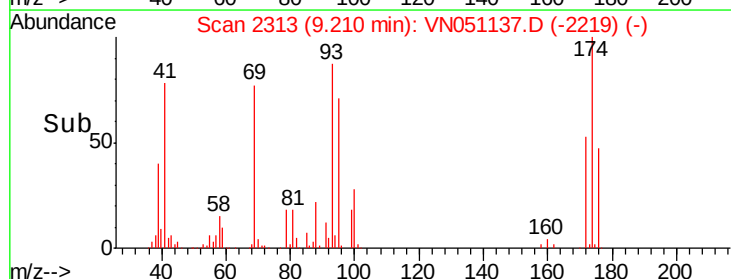
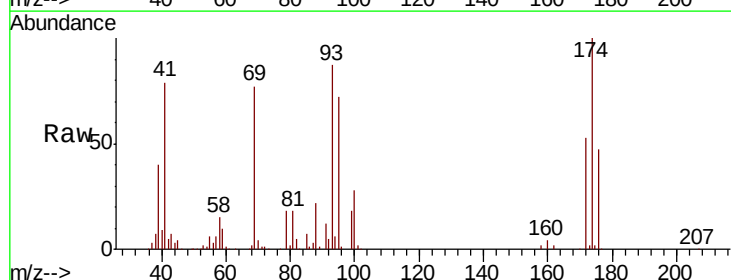
Tgt Ion: 93 Resp: 247802

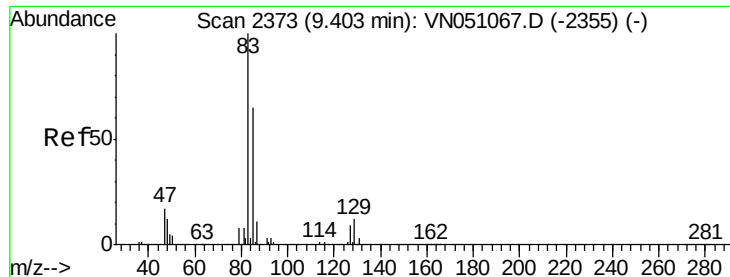
Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 115.0 93.3 139.9





#47

Bromodichloromethane

Concen: 50.25 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

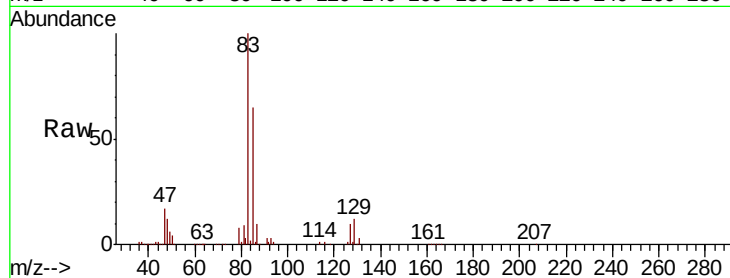
Tot Ion: 83 Resp: 513391

Ion Ratio Lower Upper

83 100

85 65.1 52.3 78.5

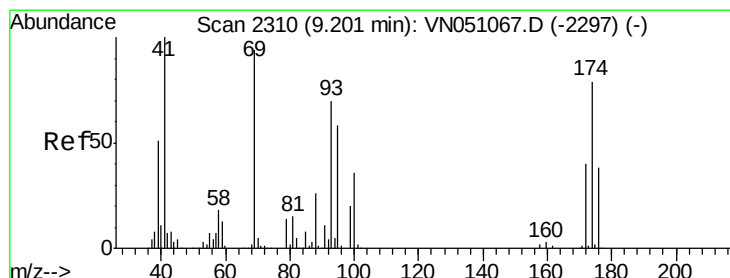
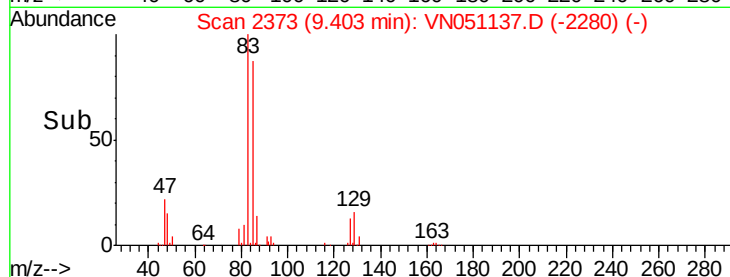
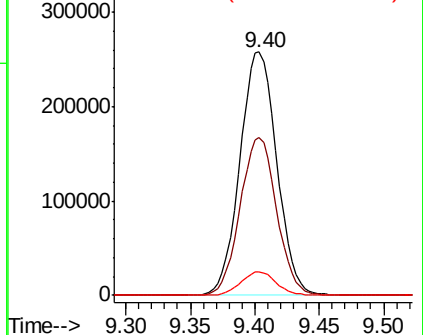
127 9.6 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN051137.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051137.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051137.D (-2280) (-)



#48

Methyl methacrylate

Concen: 53.75 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

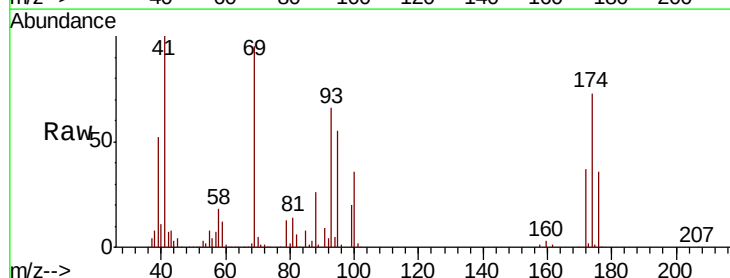
Tgt Ion: 41 Resp: 283067

Ion Ratio Lower Upper

41 100

69 98.7 77.7 116.5

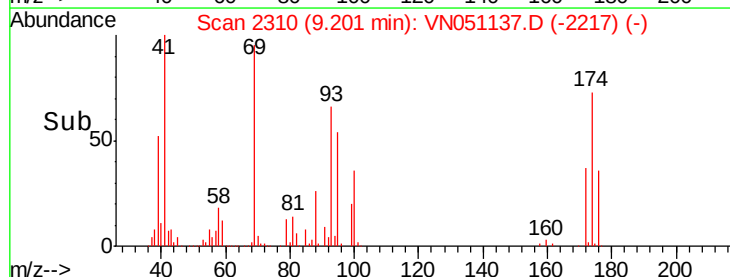
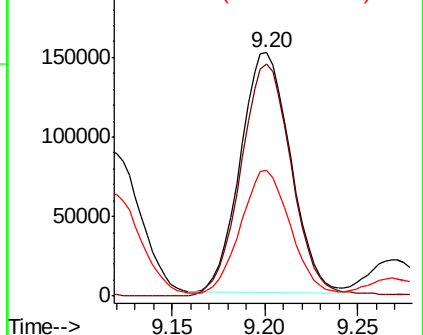
39 52.7 41.6 62.4

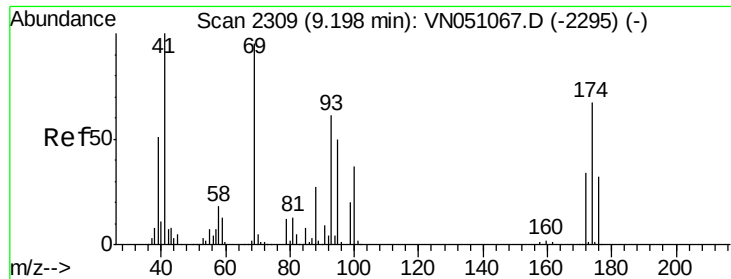


Abundance Ion 41.00 (40.70 to 41.70): VN051137.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051137.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051137.D (-2217) (-)

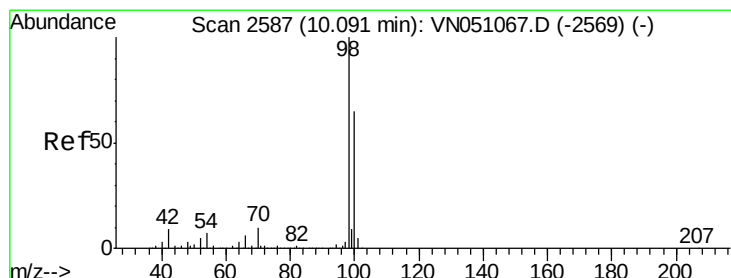
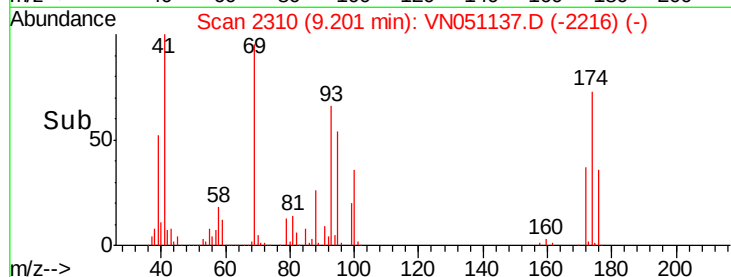
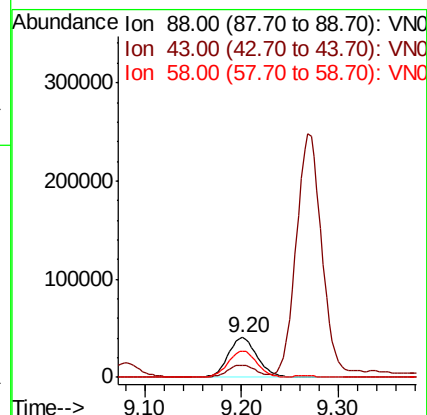
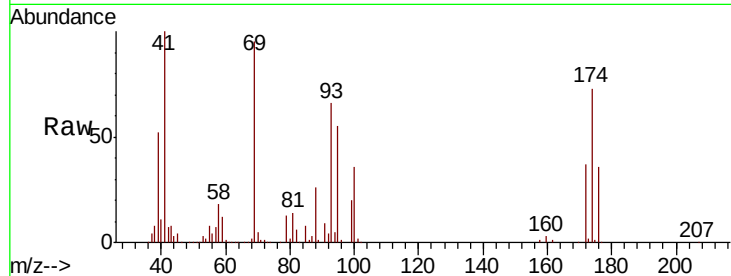




#49
1,4-Dioxane
Concen: 1031.71 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

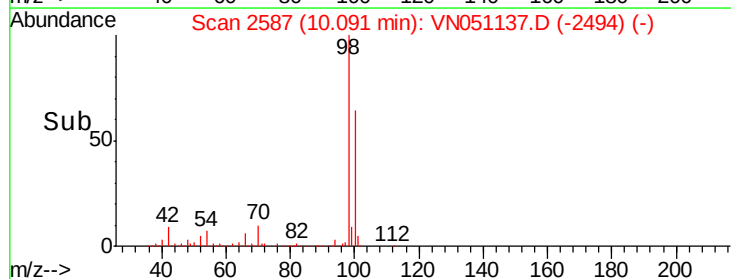
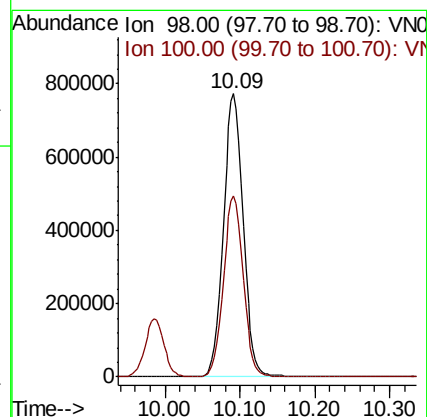
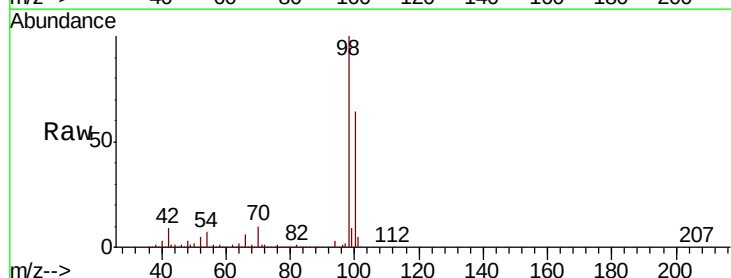
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

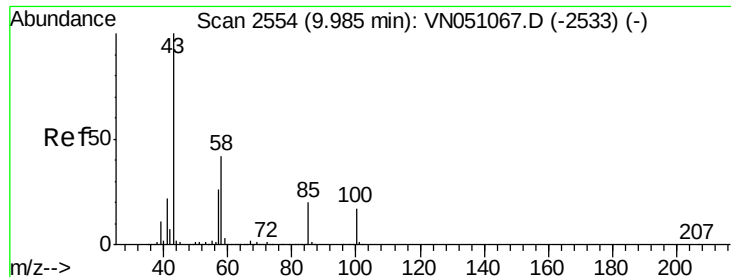
Tot Ion: 88 Resp: 85208
Ion Ratio Lower Upper
88 100
43 29.4 23.7 35.5
58 65.4 54.6 82.0



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

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

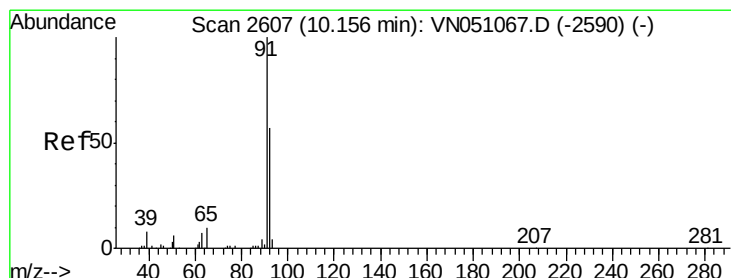
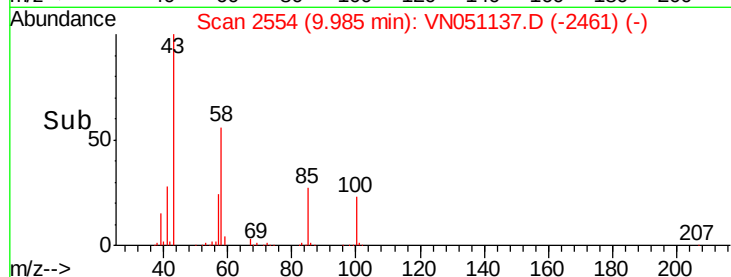
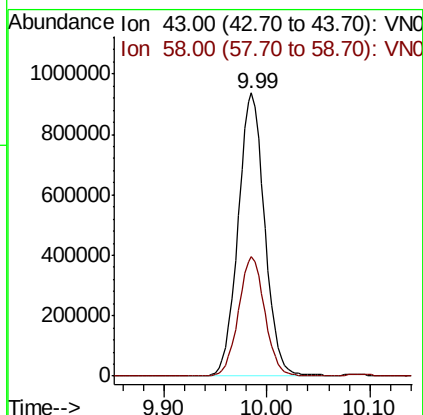
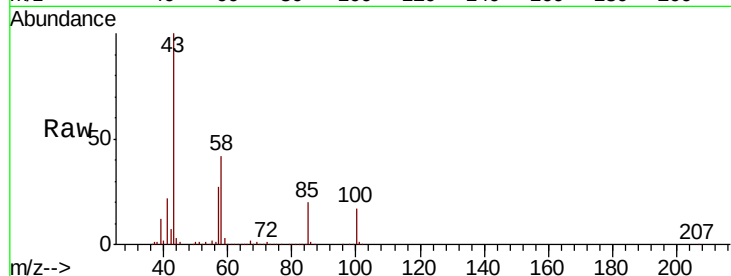




#51
 4-Methyl-2-Pentanone
 Concen: 280.80 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

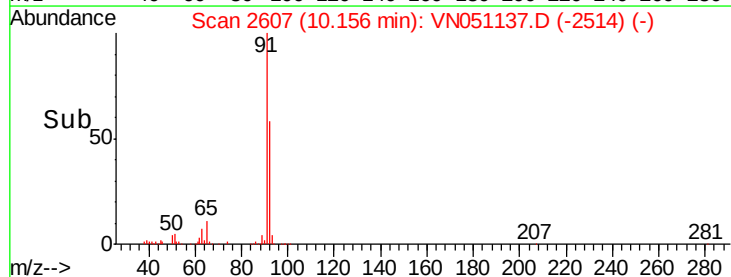
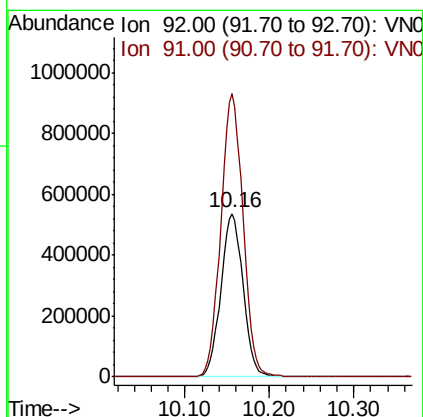
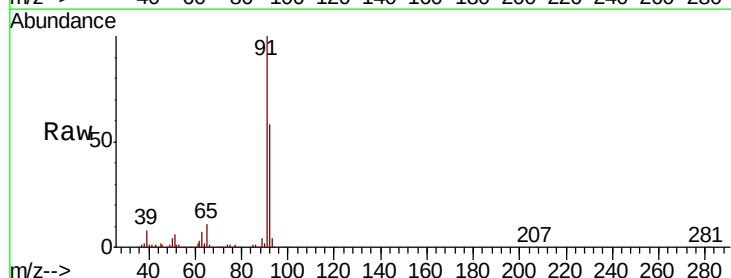
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

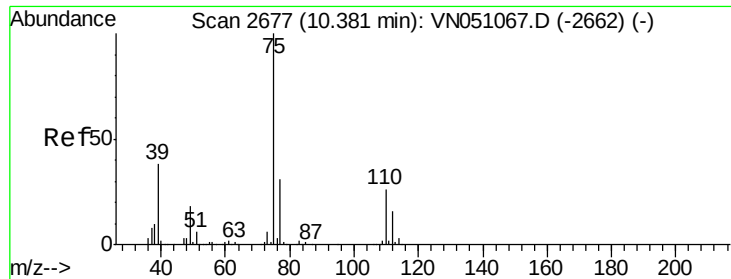
Tot Ion: 43 Resp: 1678222
 Ion Ratio Lower Upper
 43 100
 58 41.8 33.5 50.3



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

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





#53

t-1,3-Dichloropropene

Concen: 50.82 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

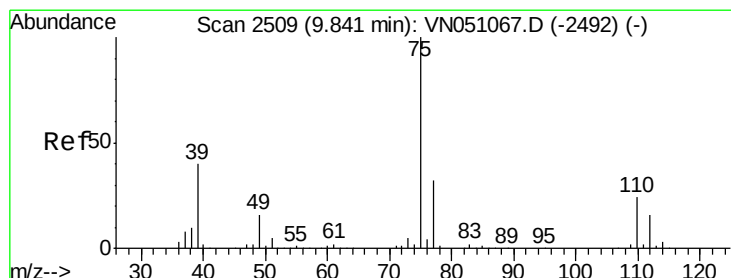
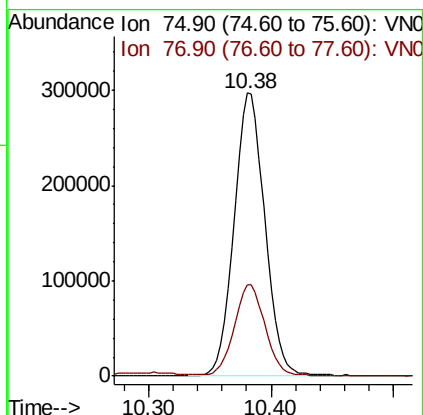
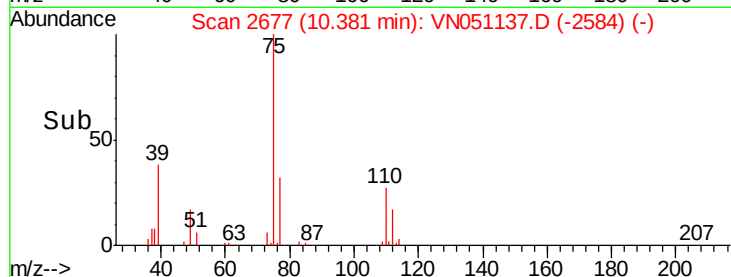
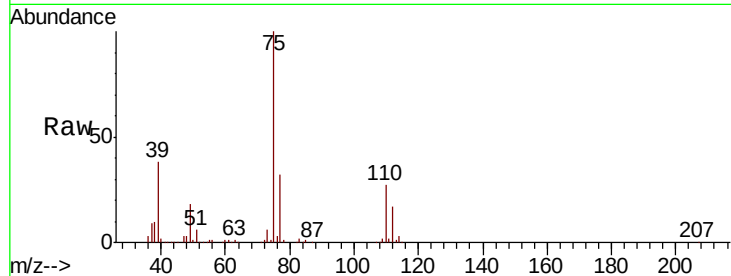
VSTDCCC050

Tot Ion: 75 Resp: 519583

Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 50.65 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

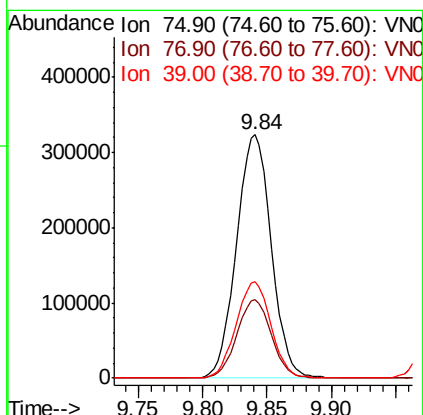
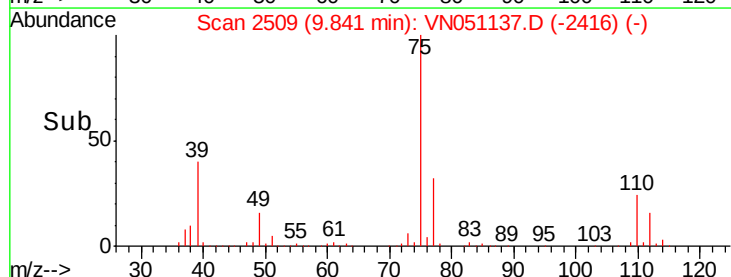
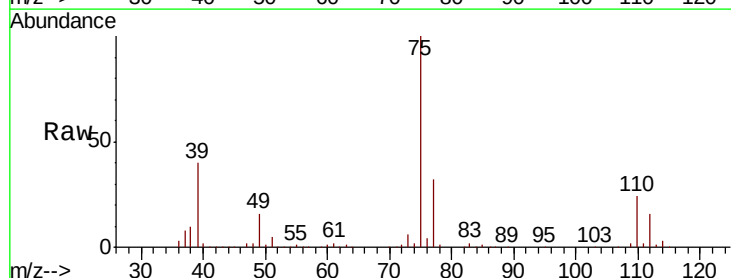
Tgt Ion: 75 Resp: 607168

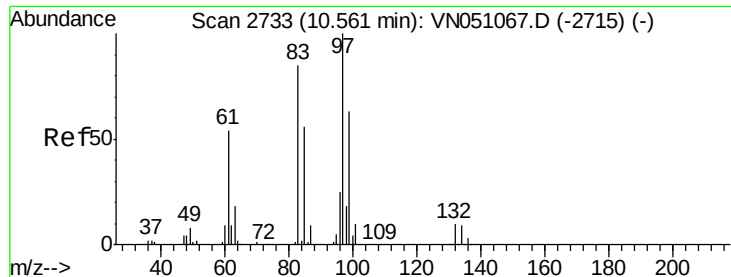
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 39.8 31.9 47.9

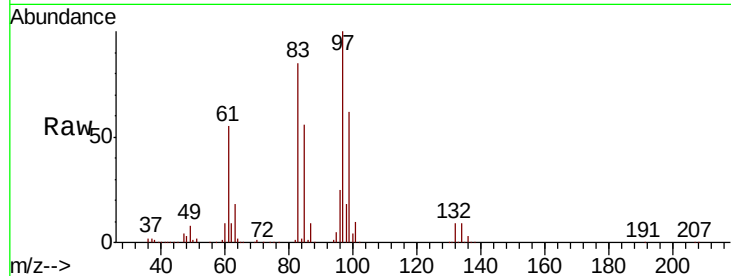




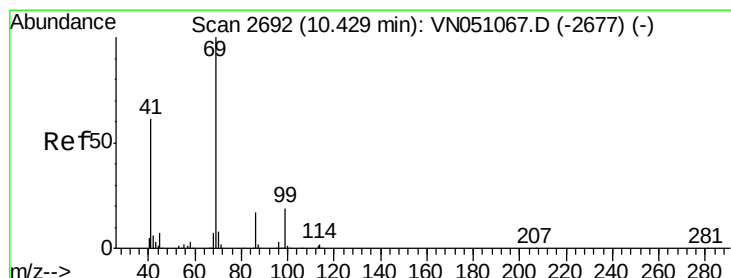
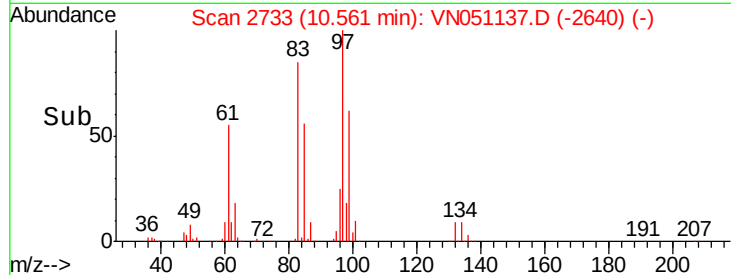
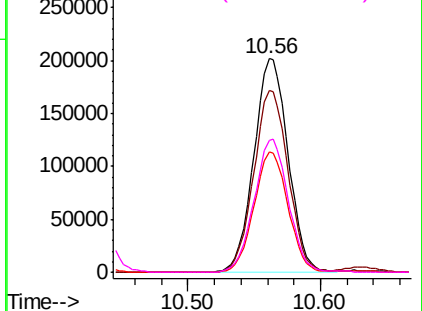
#55
 1,1,2-Trichloroethane
 Concen: 51.20 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

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

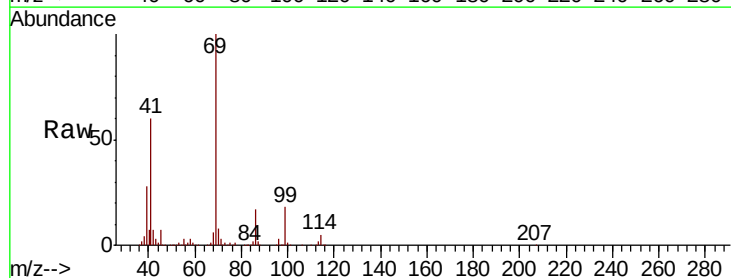


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

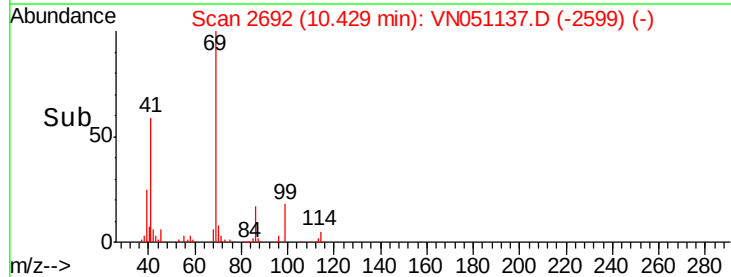
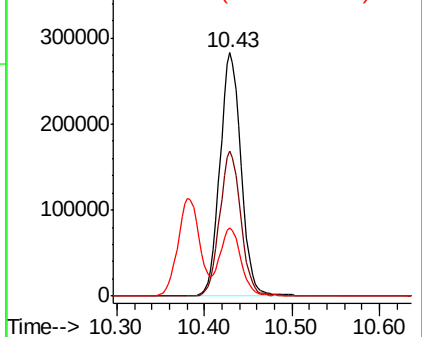


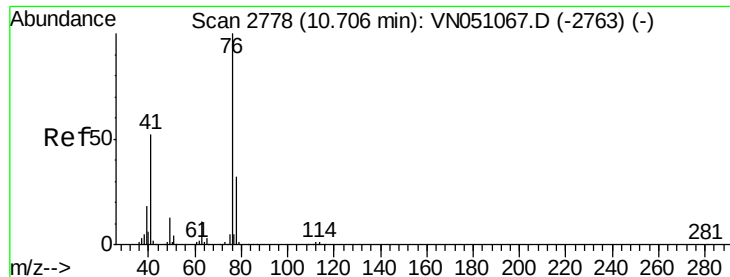
#56
 Ethyl methacrylate
 Concen: 50.10 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

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



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 50.82 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

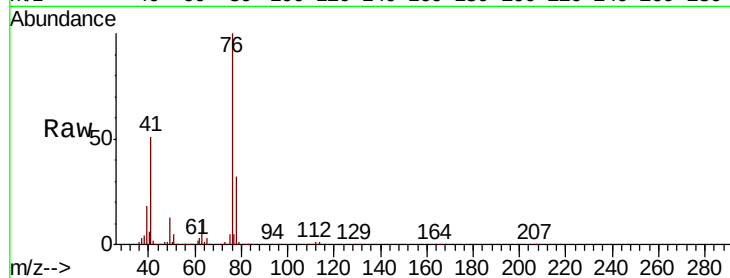
VSTDCCC050

Tot Ion: 76 Resp: 594742

Ion Ratio Lower Upper

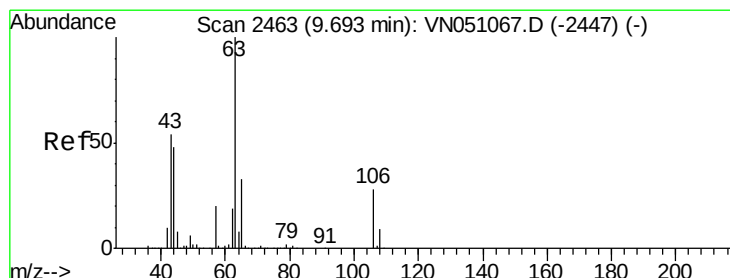
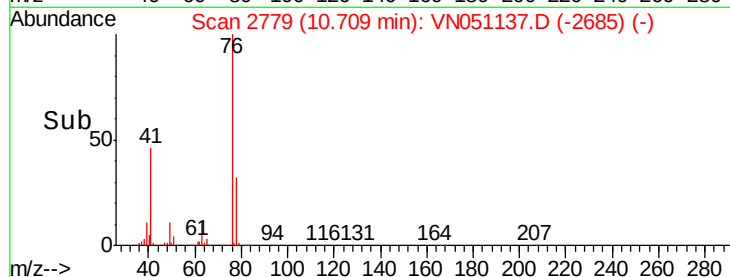
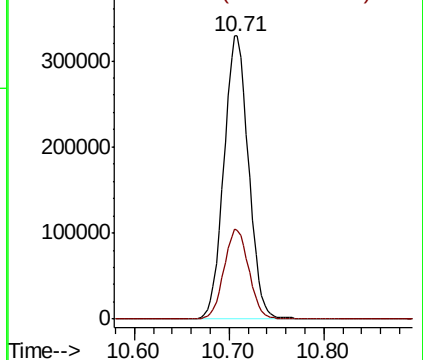
76 100

78 32.1 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 234.53 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051137.D

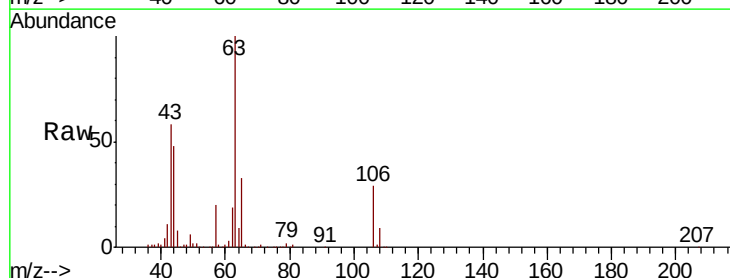
Acq: 12 Sep 2018 8:31

Tgt Ion: 63 Resp: 929912

Ion Ratio Lower Upper

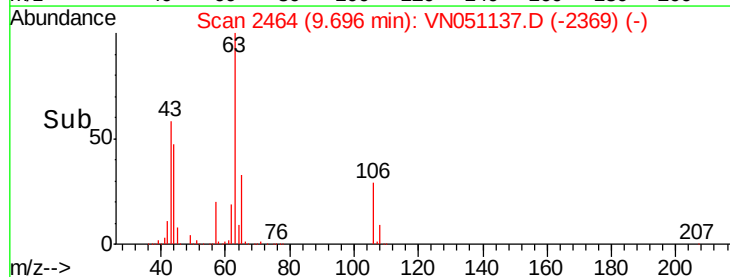
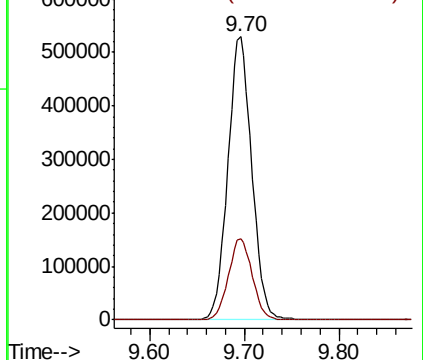
63 100

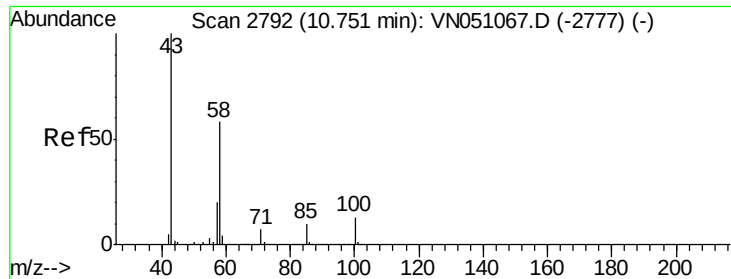
106 28.7 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

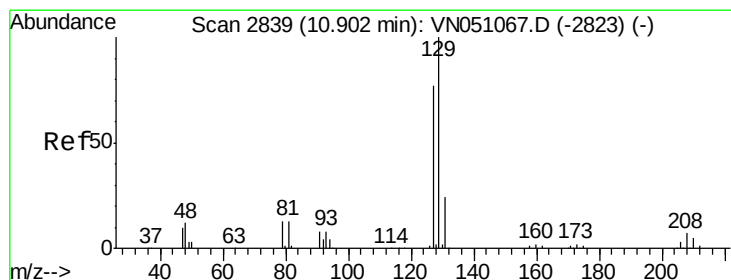
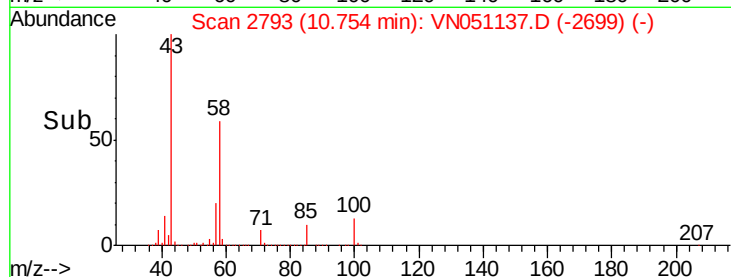
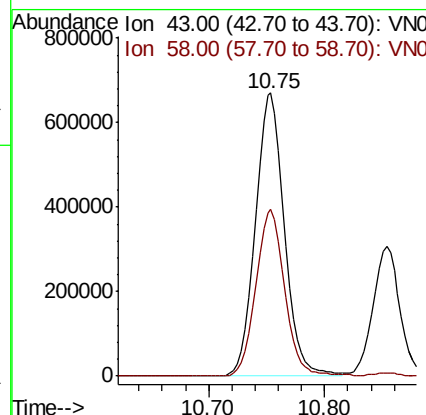
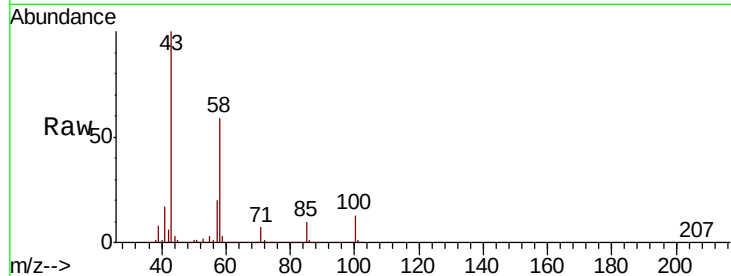




#59
2-Hexanone
Concen: 288.62 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

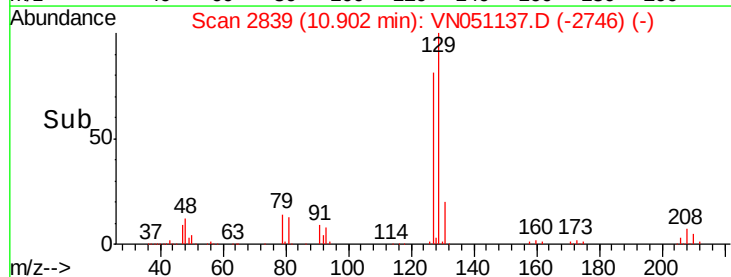
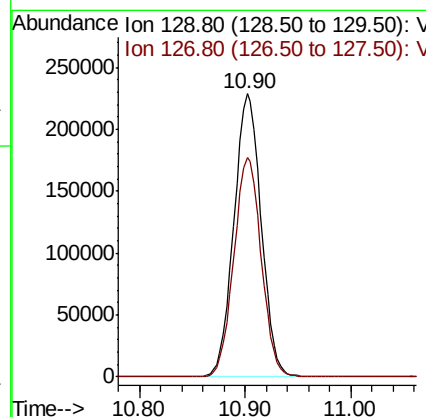
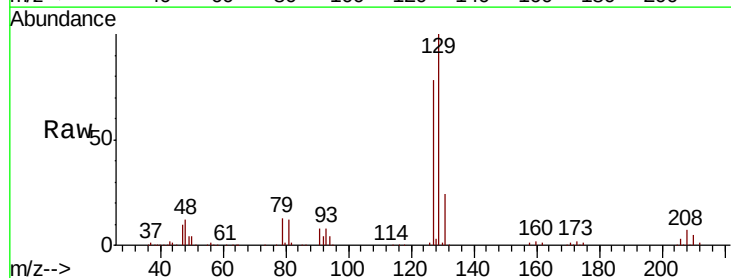
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

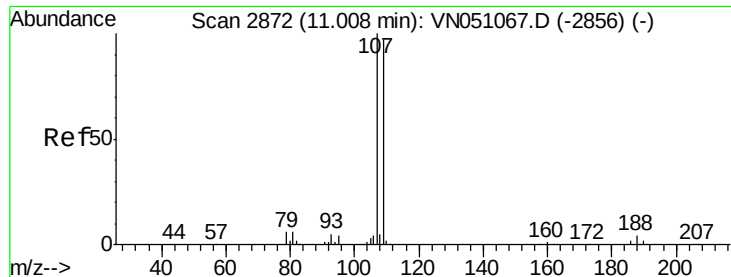
Tot Ion: 43 Resp: 1169841
Ion Ratio Lower Upper
43 100
58 58.7 29.3 88.0



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

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

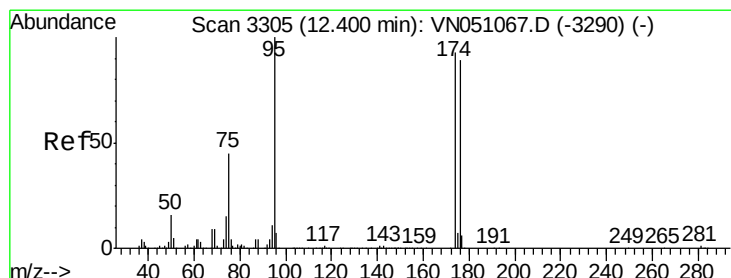
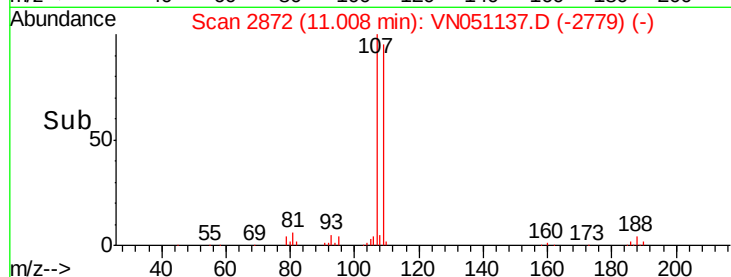
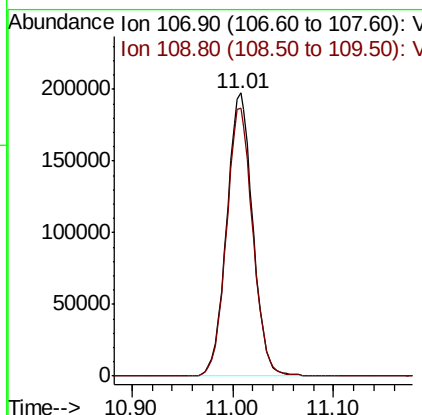
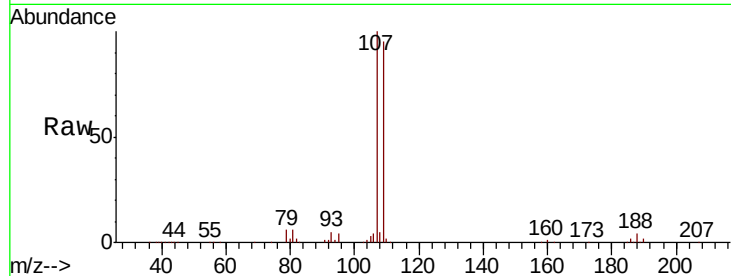




#61
 1,2-Dibromoethane
 Concen: 51.63 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

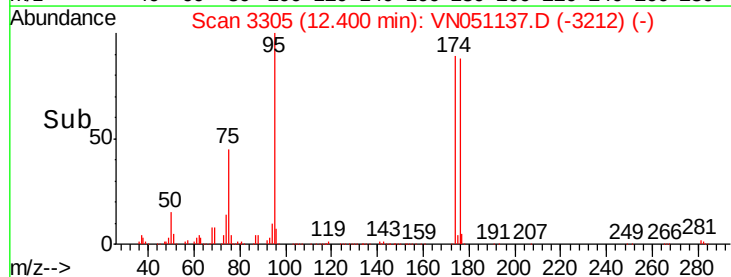
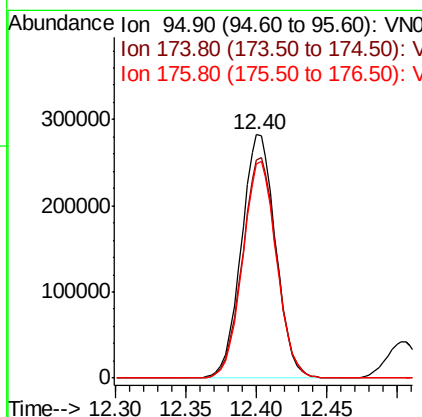
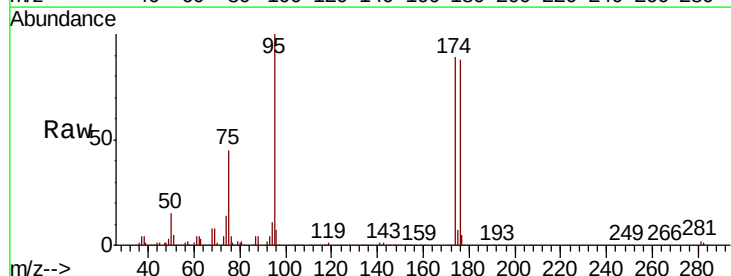
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

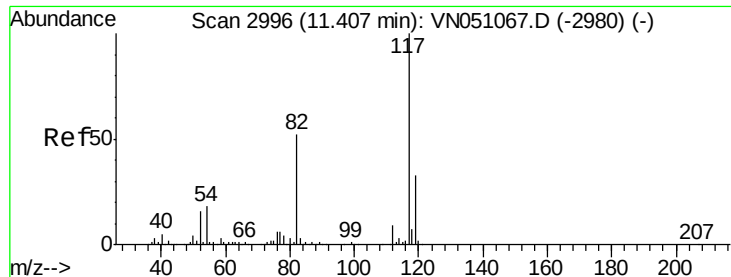
Tot Ion: 107 Resp: 356270
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.0 114.0



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

Tgt Ion: 95 Resp: 479694
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 184.8
 176 88.2 0.0 178.6

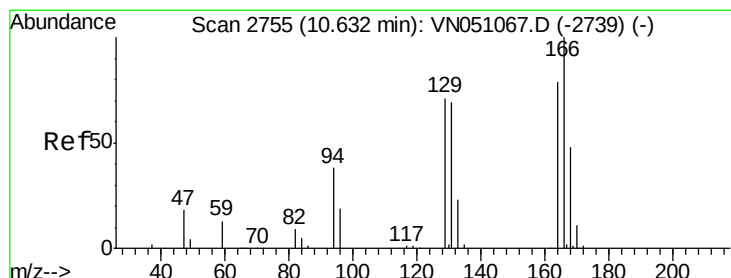
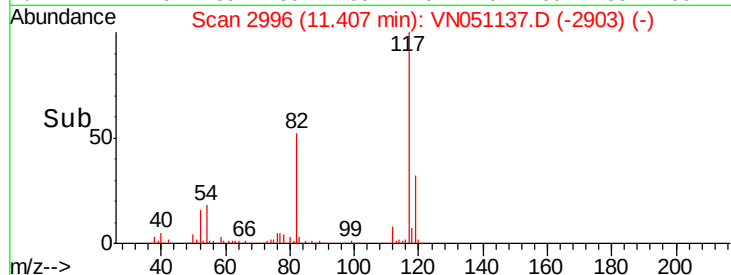
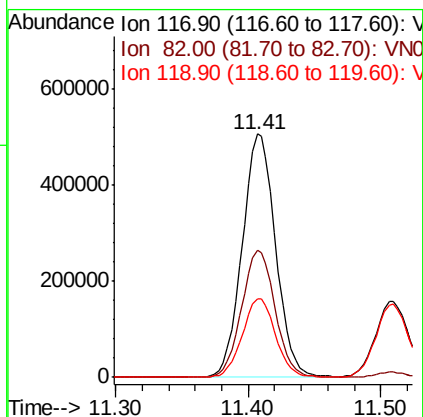
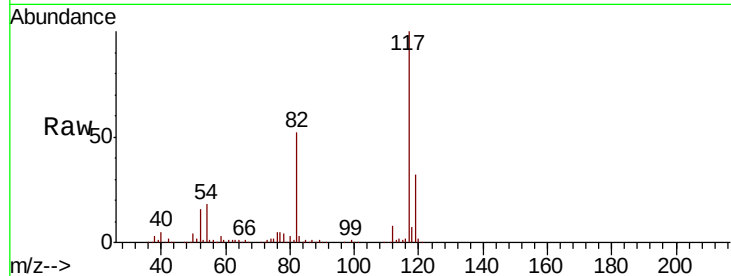




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

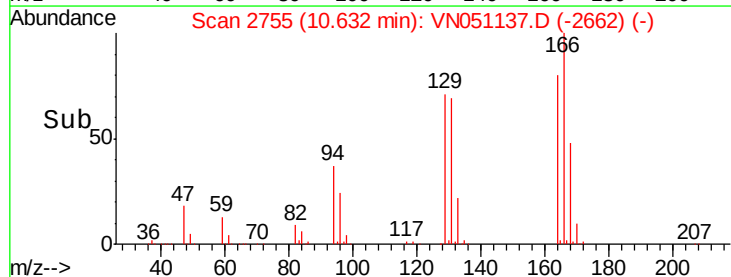
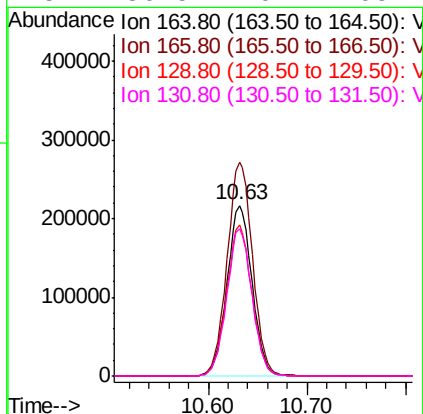
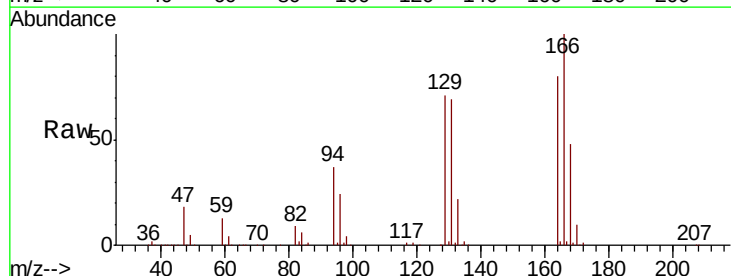
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

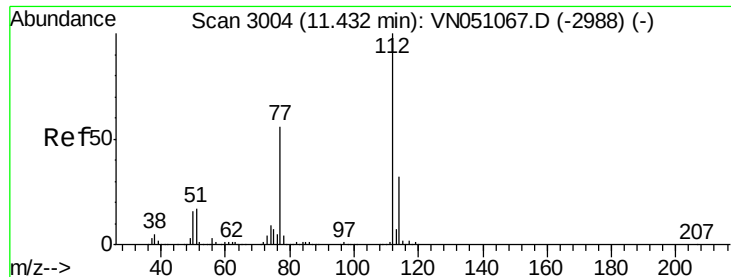
Tot Ion:117 Resp: 882785
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.6
119 32.5 26.2 39.2



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

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

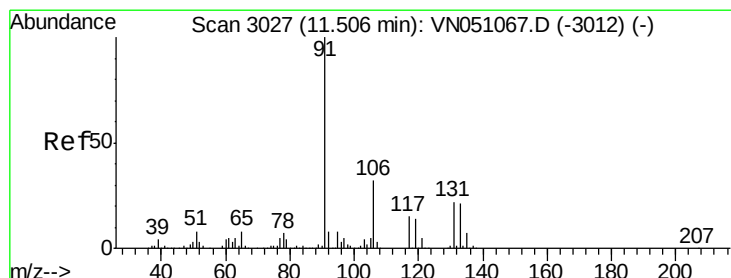
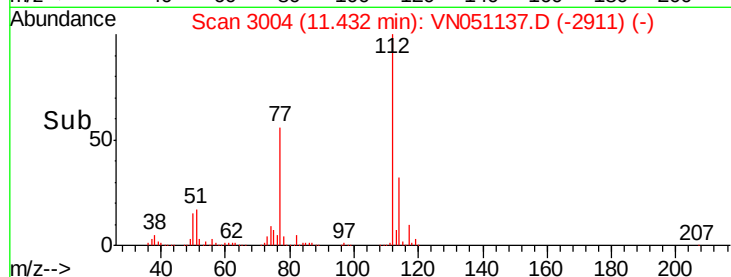
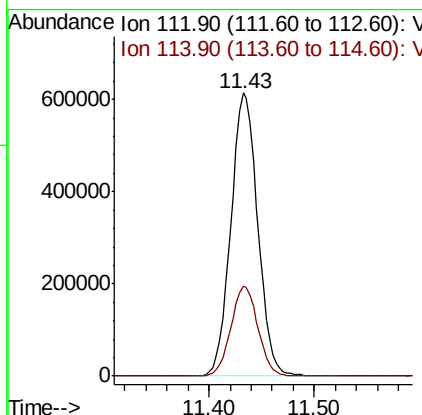
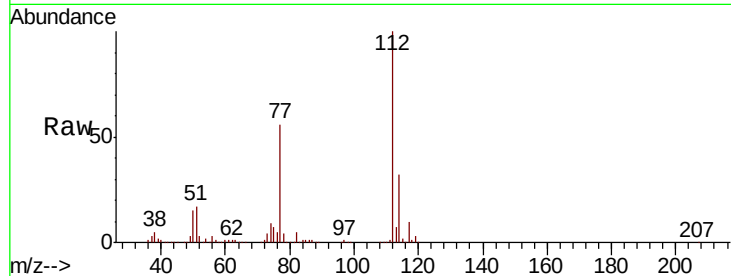




#65
Chlorobenzene
Concen: 48.41 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

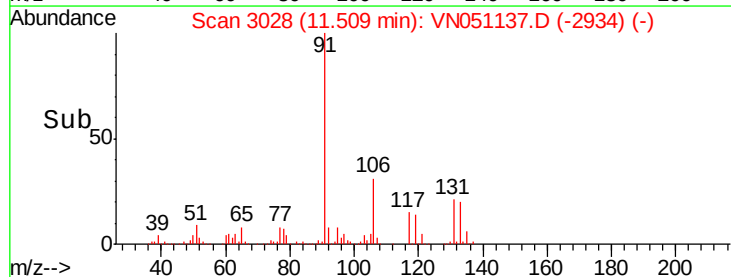
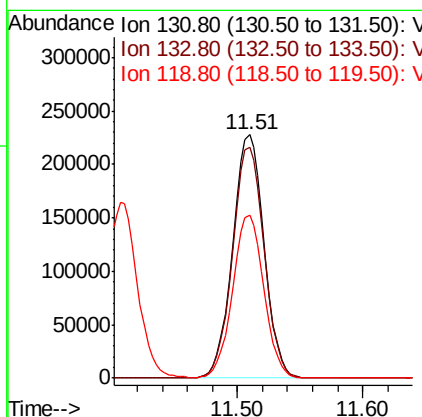
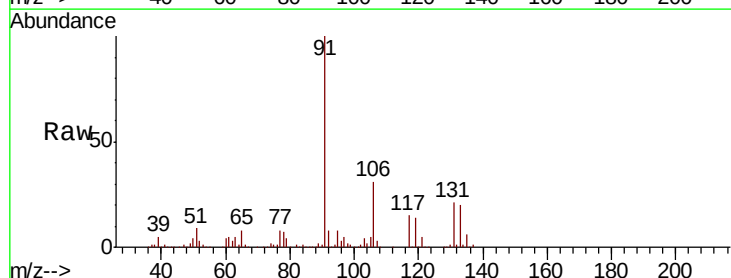
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

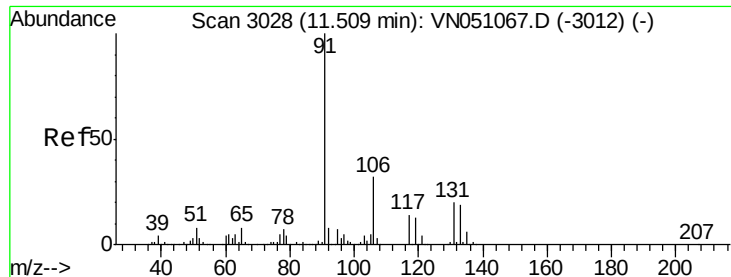
Tot Ion:112 Resp: 1077216
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



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

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





#67

Ethyl Benzene

Concen: 50.70 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

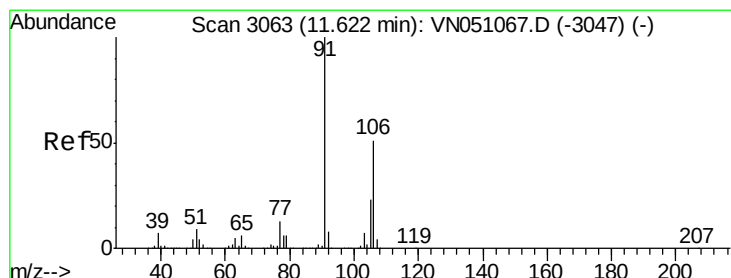
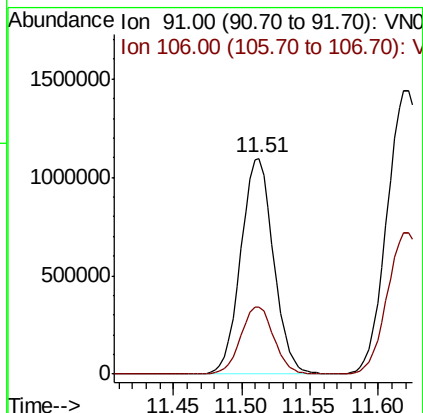
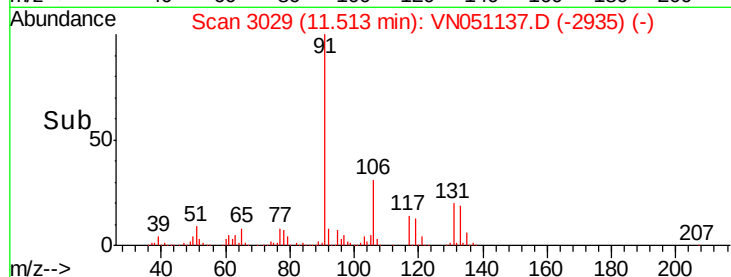
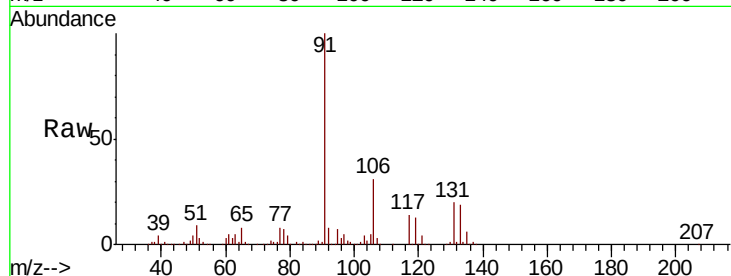
VSTDCCC050

Tot Ion: 91 Resp: 1827014

Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.2



#68

m/p-Xylenes

Concen: 102.97 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051137.D

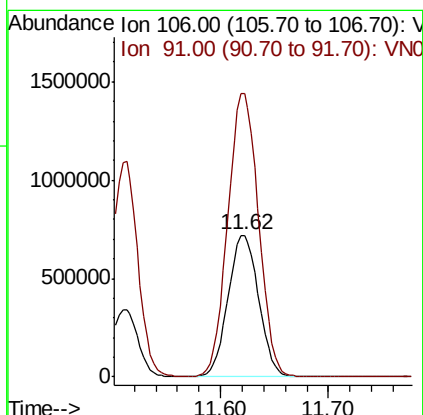
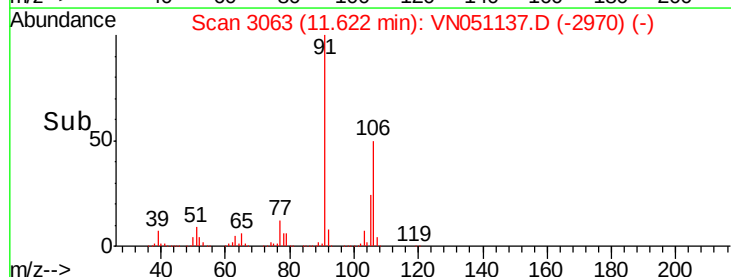
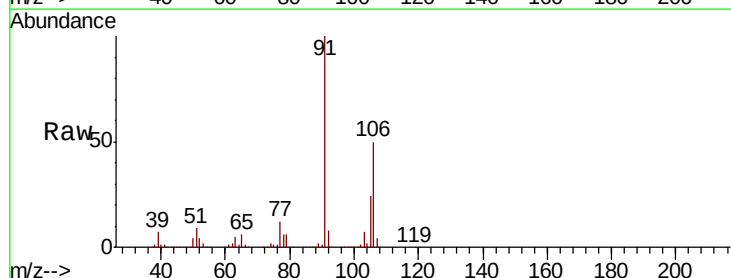
Acq: 12 Sep 2018 8:31

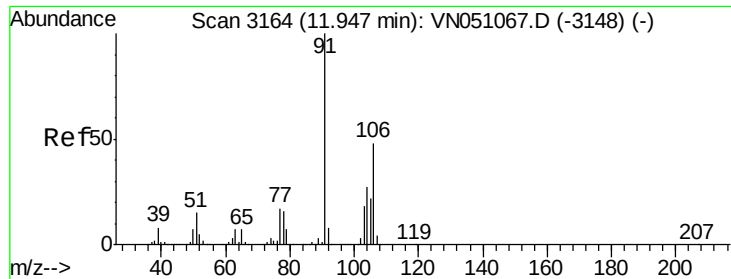
Tgt Ion: 106 Resp: 1425727

Ion Ratio Lower Upper

106 100

91 200.6 159.8 239.6

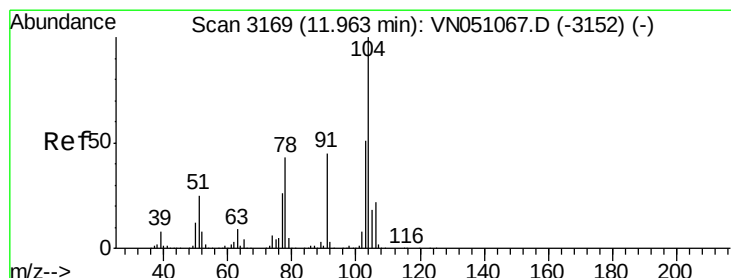
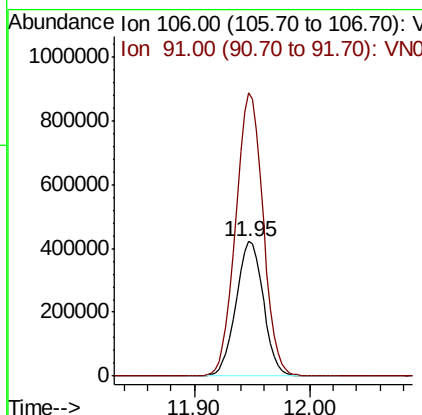
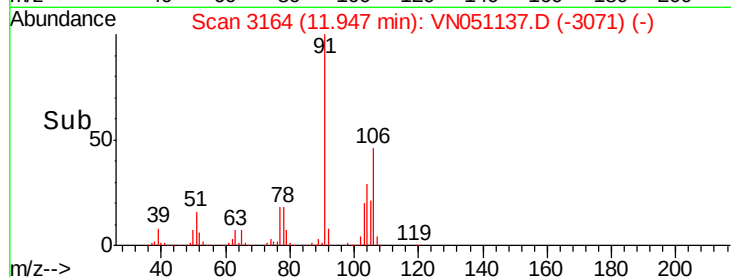
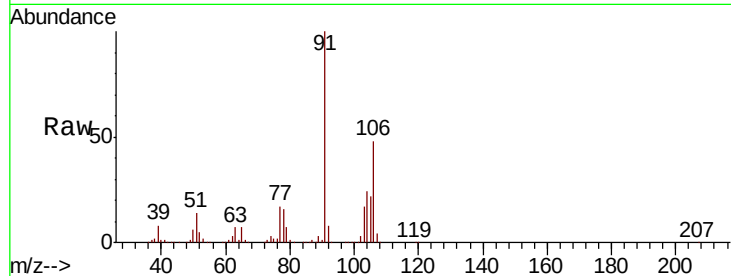




#69
o-Xylene
Concen: 51.25 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

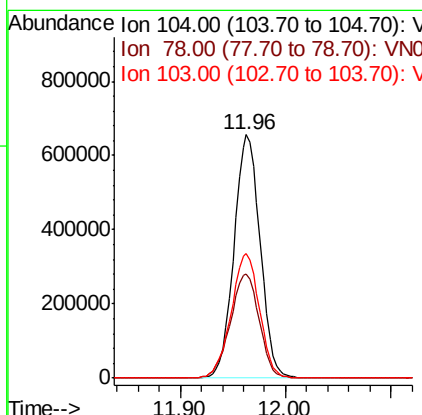
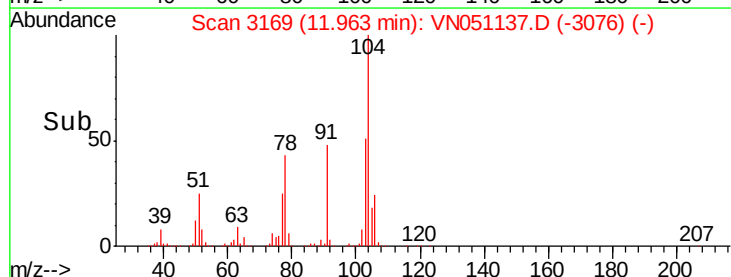
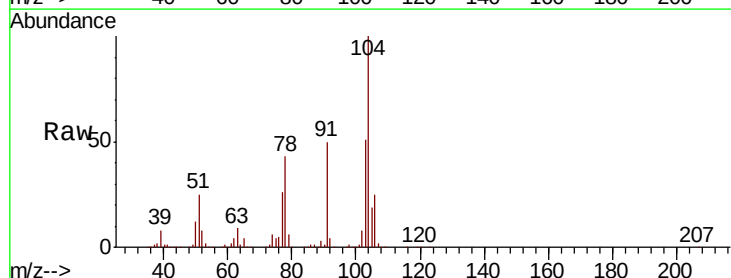
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

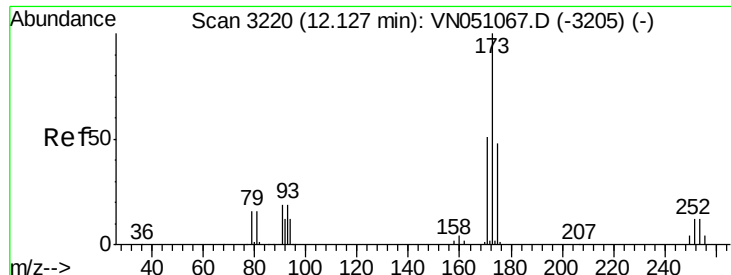
Tot Ion:106 Resp: 687180
Ion Ratio Lower Upper
106 100
91 210.3 105.1 315.1



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

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





#71

Bromoform

Concen: 52.84 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

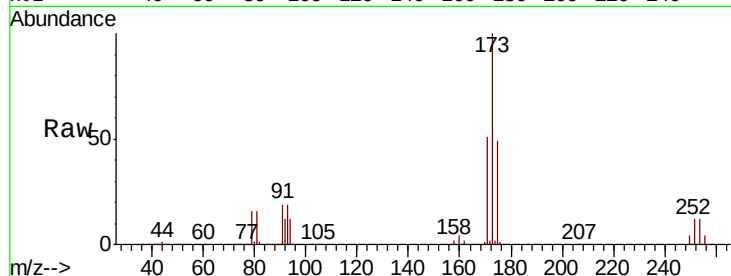
Tot Ion:173 Resp: 298041

Ion Ratio Lower Upper

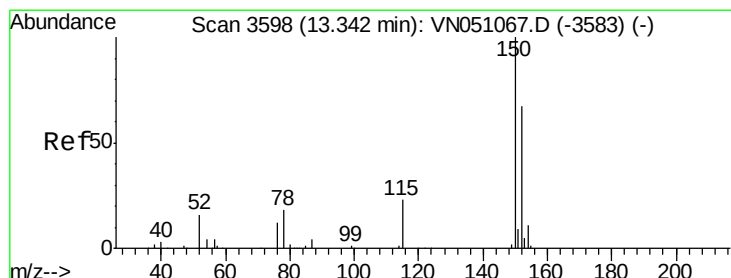
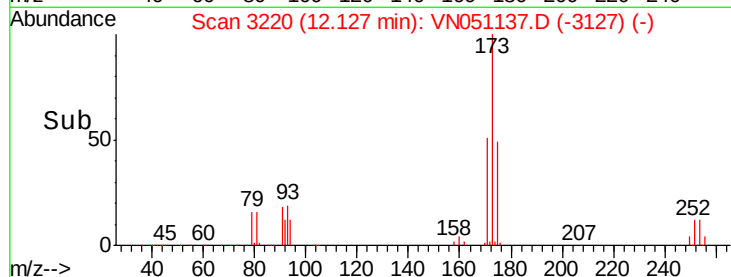
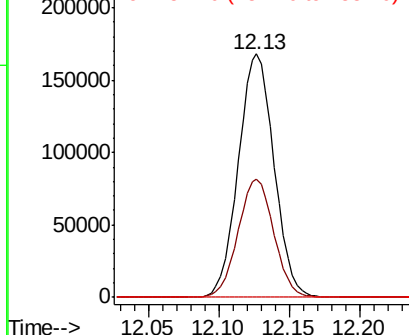
173 100

175 48.4 24.3 72.9

254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

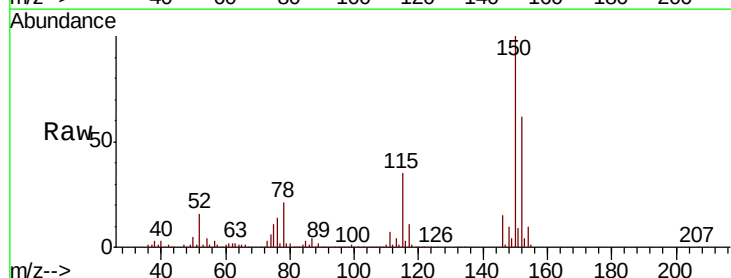
Tgt Ion:152 Resp: 450653

Ion Ratio Lower Upper

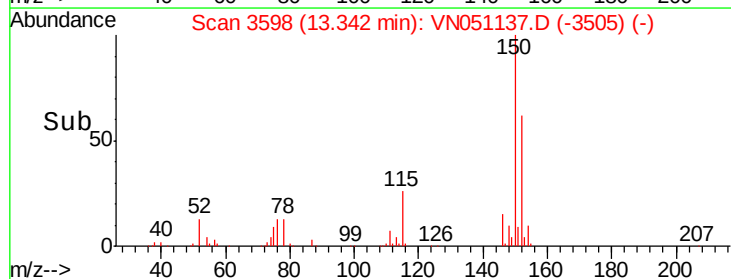
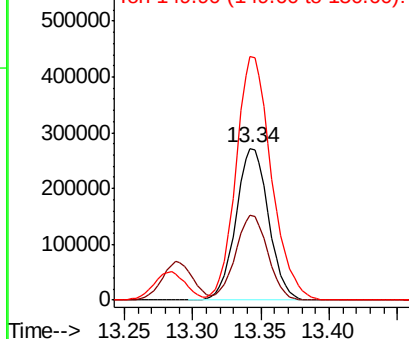
152 100

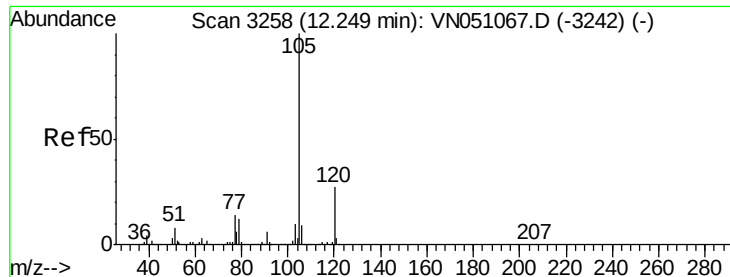
115 55.5 28.2 84.7

150 174.6 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.42 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

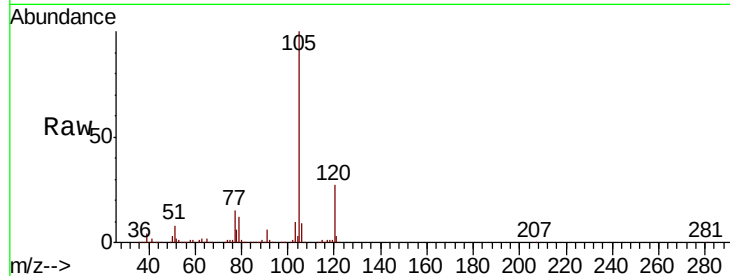
VSTDCCC050

Tot Ion:105 Resp: 1829823

Ion Ratio Lower Upper

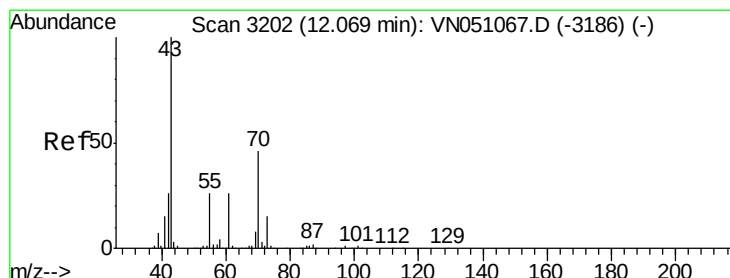
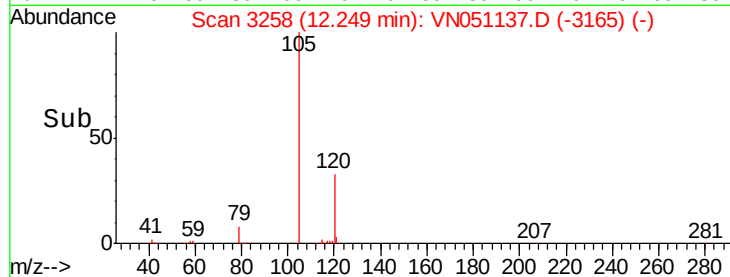
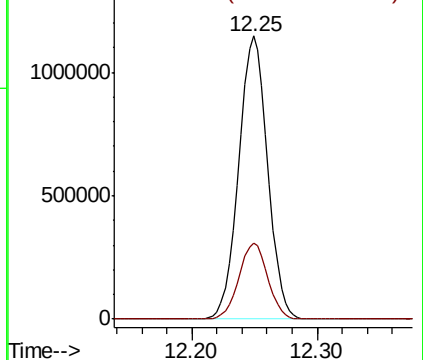
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.16 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Tgt Ion: 43 Resp: 486619

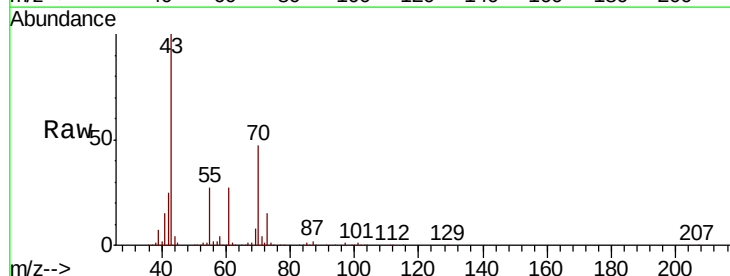
Ion Ratio Lower Upper

43 100

70 47.4 37.0 55.4

55 26.9 21.3 31.9

61 26.6 20.7 31.1

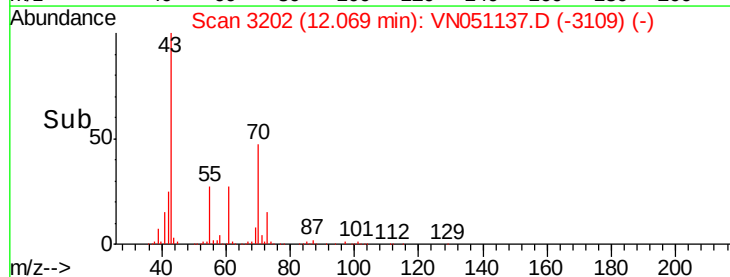
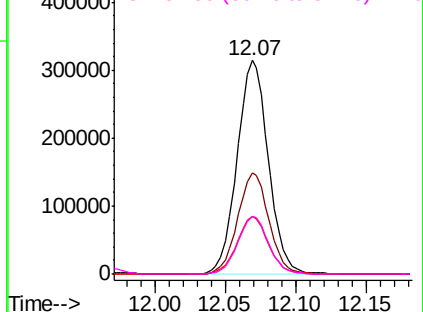


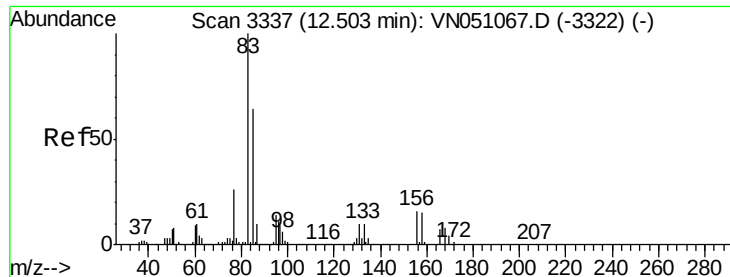
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 54.17 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

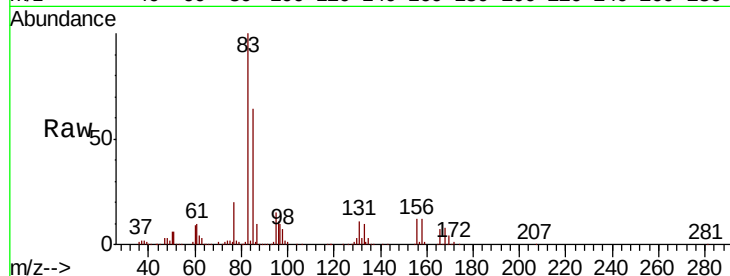
Tot Ion: 83 Resp: 468557

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

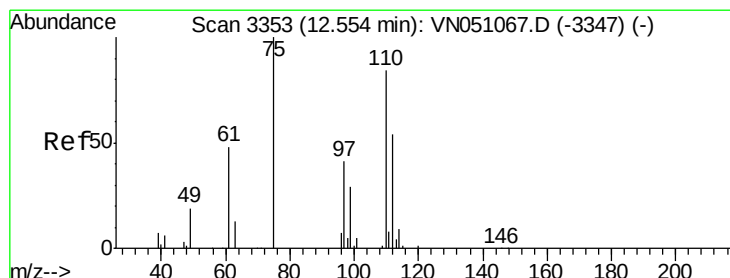
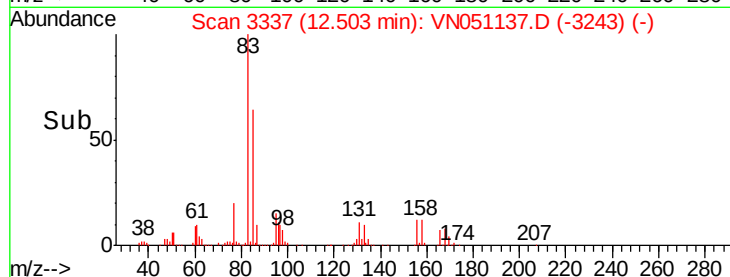
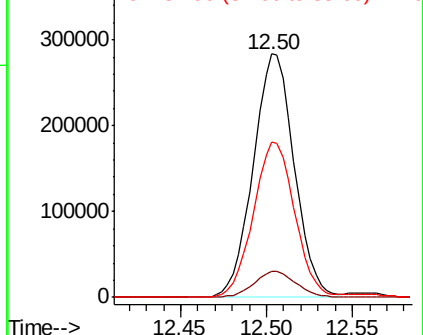
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 79.23 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051137.D

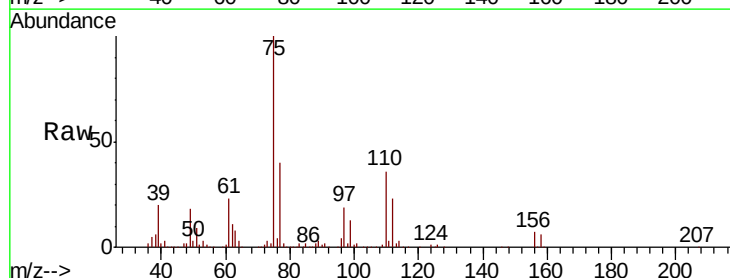
Acq: 12 Sep 2018 8:31

Tgt Ion: 75 Resp: 547494

Ion Ratio Lower Upper

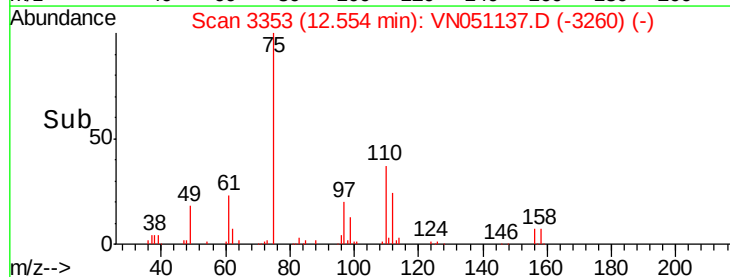
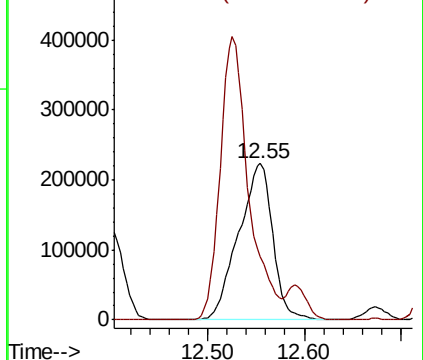
75 100

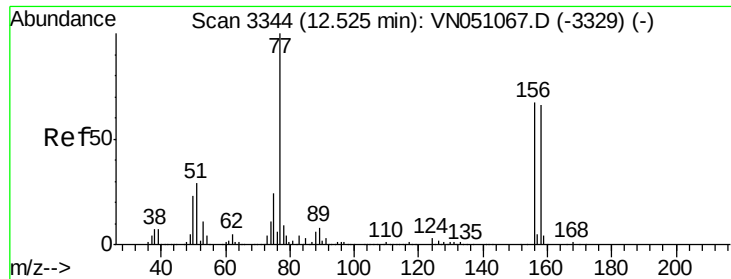
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.10 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

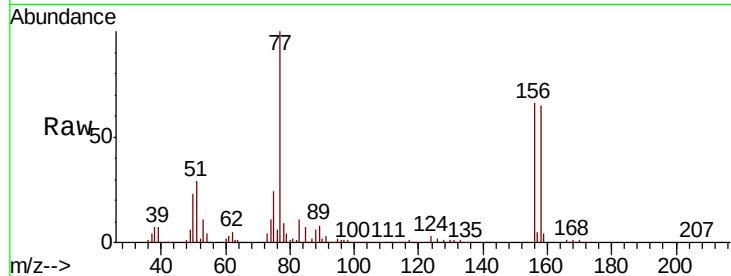
Tot Ion:156 Resp: 468004

Ion Ratio Lower Upper

156 100

77 176.8 87.5 262.6

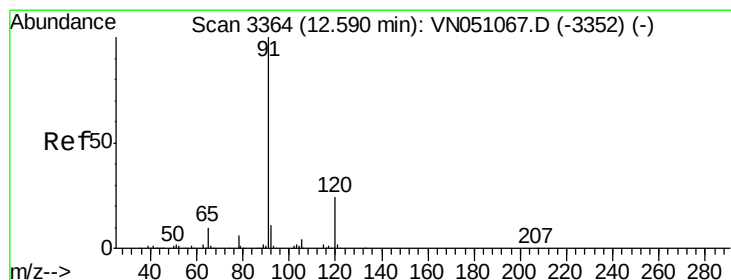
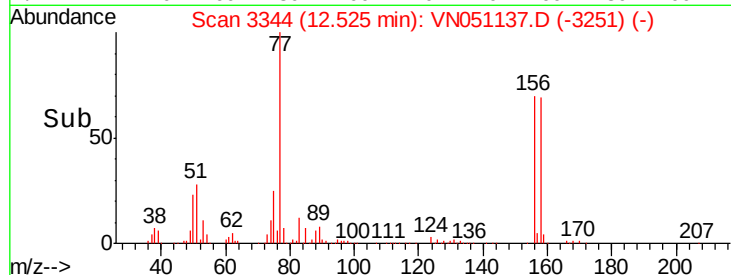
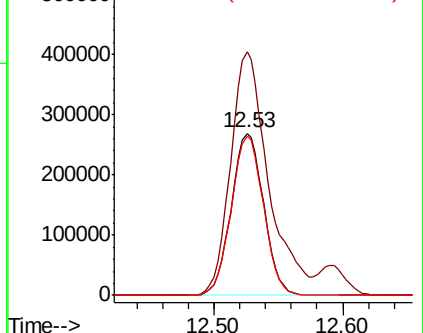
158 98.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.29 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051137.D

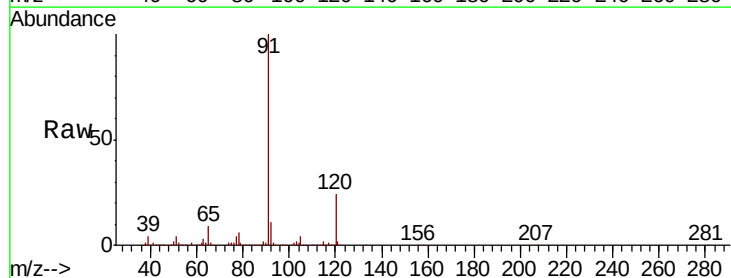
Acq: 12 Sep 2018 8:31

Tgt Ion: 91 Resp: 2047685

Ion Ratio Lower Upper

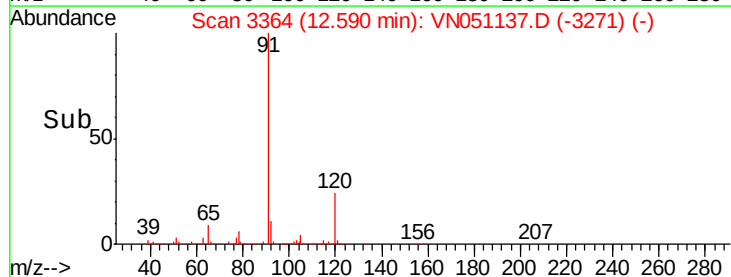
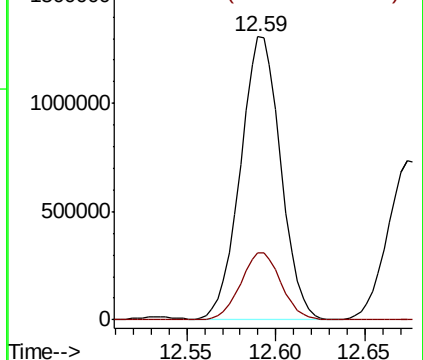
91 100

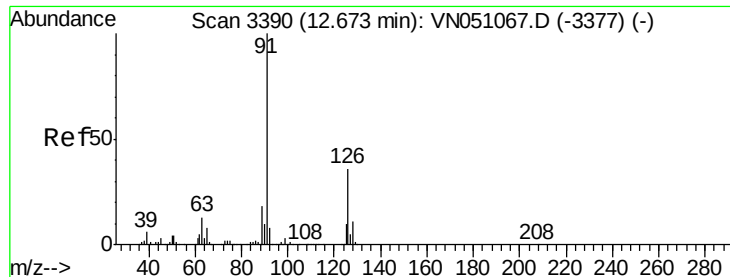
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.07 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

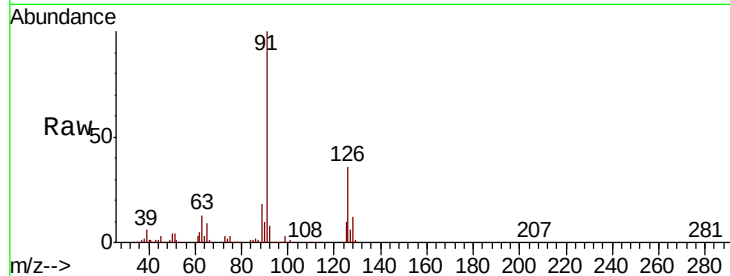
VSTDCCC050

Tot Ion: 91 Resp: 1222255

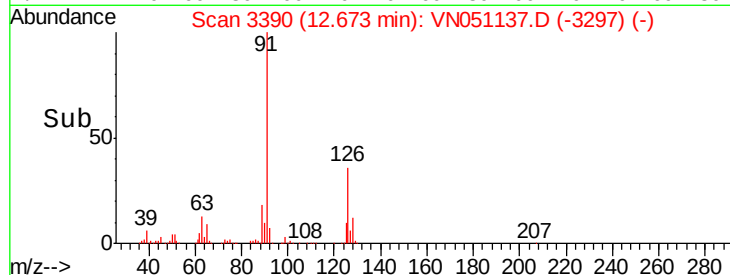
Ion Ratio Lower Upper

91 100

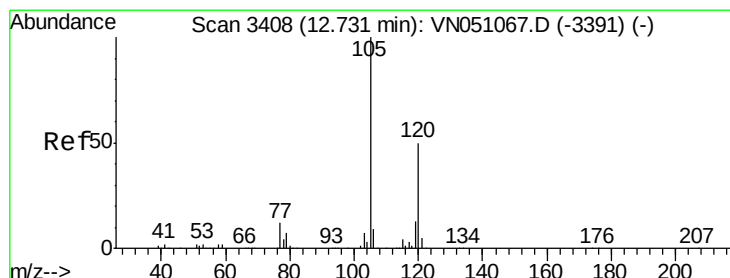
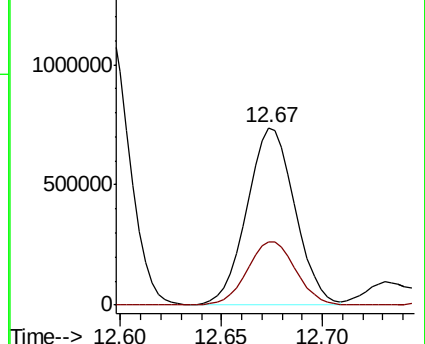
126 36.3 17.9 53.7



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



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



#80

1,3,5-Trimethylbenzene

Concen: 49.16 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051137.D

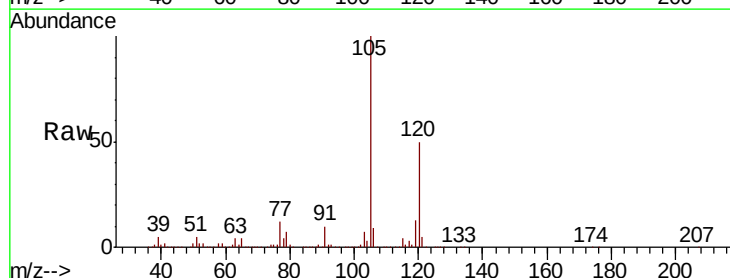
Acq: 12 Sep 2018 8:31

Tgt Ion: 105 Resp: 1502014

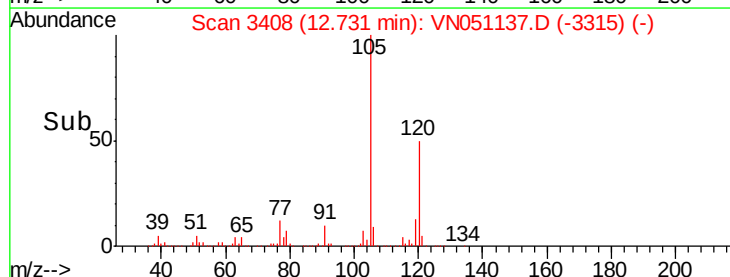
Ion Ratio Lower Upper

105 100

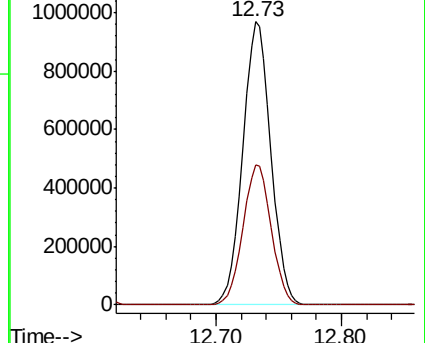
120 50.1 24.9 74.6

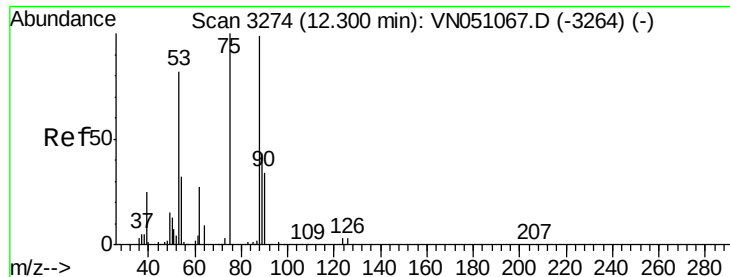


Abundance Ion 105.00 (104.70 to 105.70): VN051137.D (-3315) (-)



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





#81

trans-1,4-Dichloro-2-butene

Concen: 50.99 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

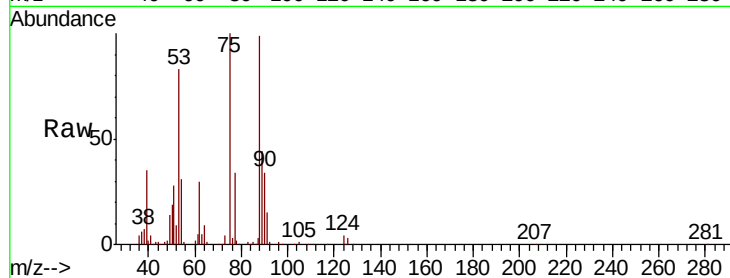
Tot Ion: 75 Resp: 120992

Ion Ratio Lower Upper

75 100

53 83.9 67.8 101.8

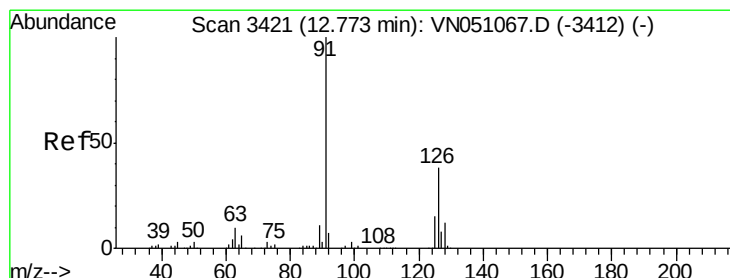
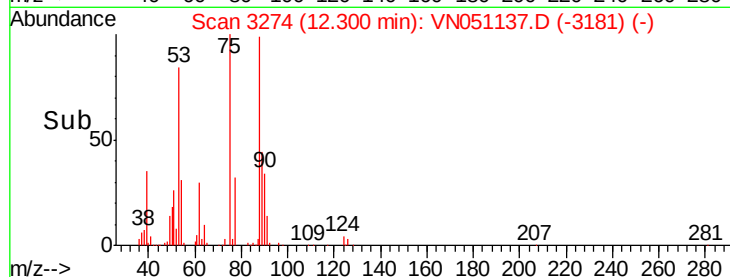
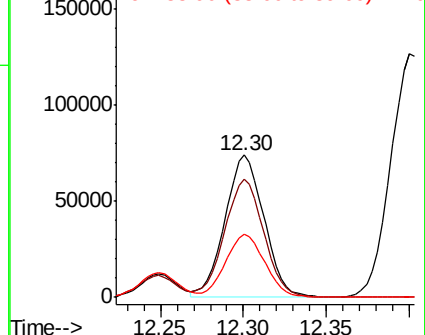
89 44.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.65 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051137.D

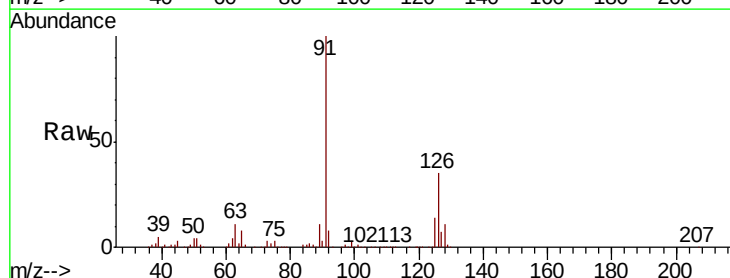
Acq: 12 Sep 2018 8:31

Tgt Ion: 91 Resp: 1227990

Ion Ratio Lower Upper

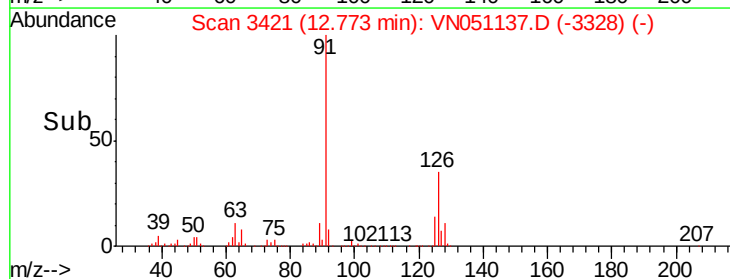
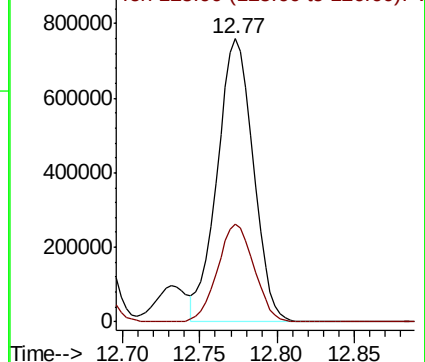
91 100

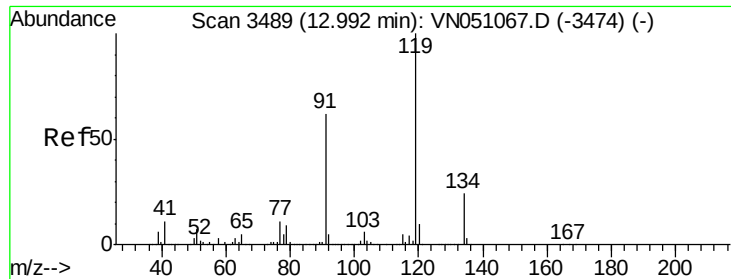
126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

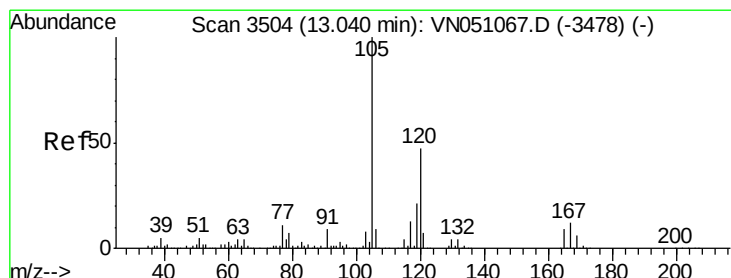
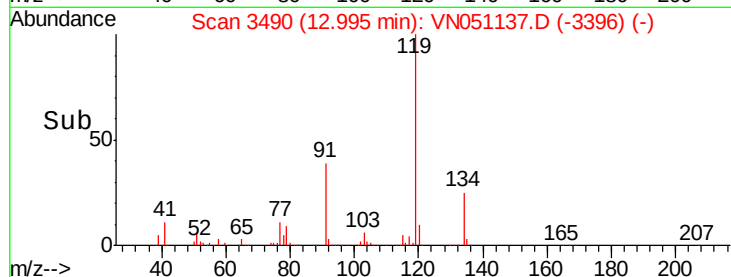
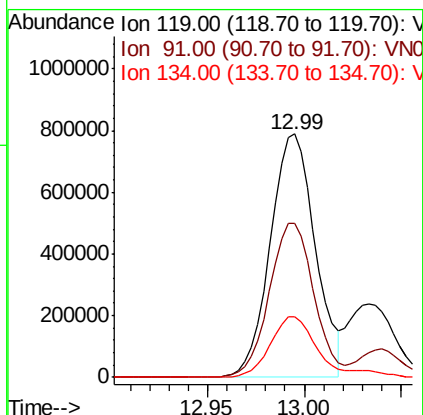
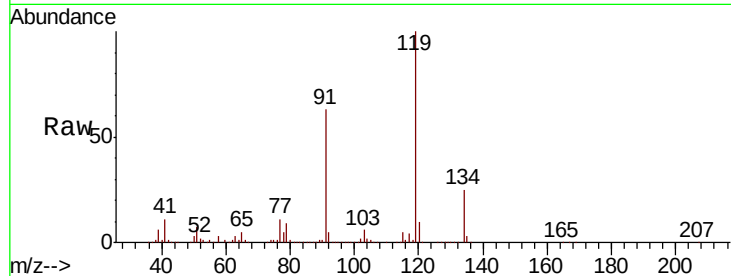




#83
 tert-Butylbenzene
 Concen: 47.33 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

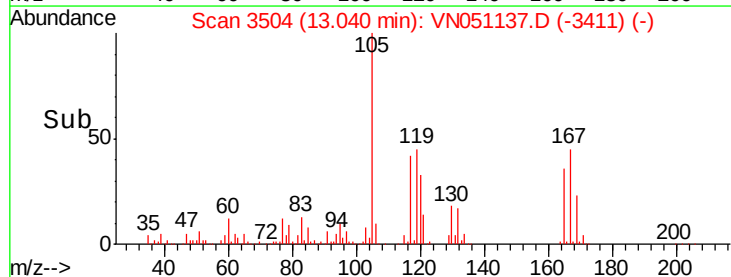
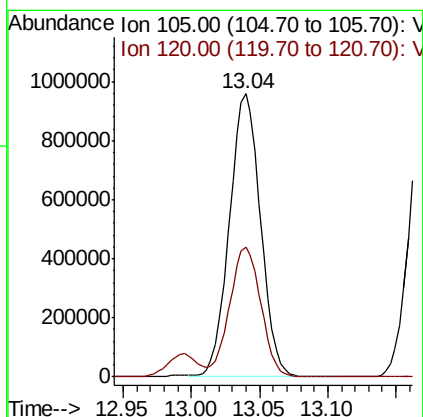
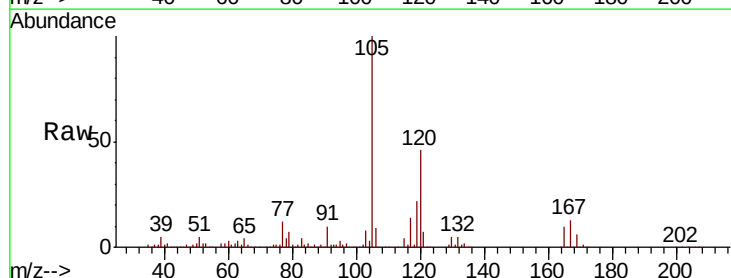
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

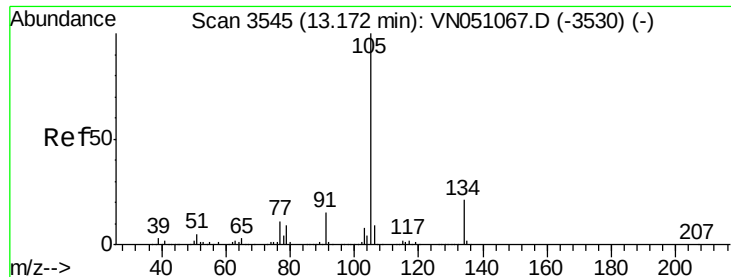
Tot Ion:119 Resp: 1276676
 Ion Ratio Lower Upper
 119 100
 91 62.7 30.8 92.3
 134 25.2 13.2 39.6



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

Tgt Ion:105 Resp: 1515760
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.3 69.8





#85

sec-Butylbenzene

Concen: 49.02 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

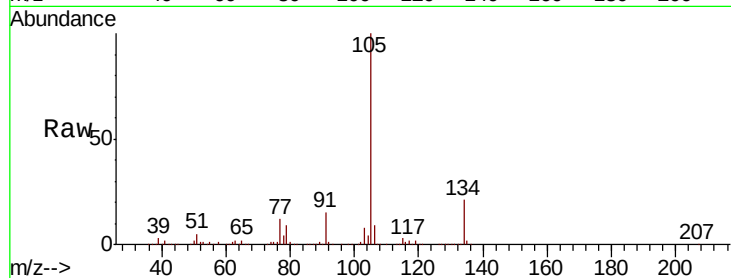
VSTDCCC050

Tot Ion:105 Resp: 1695992

Ion Ratio Lower Upper

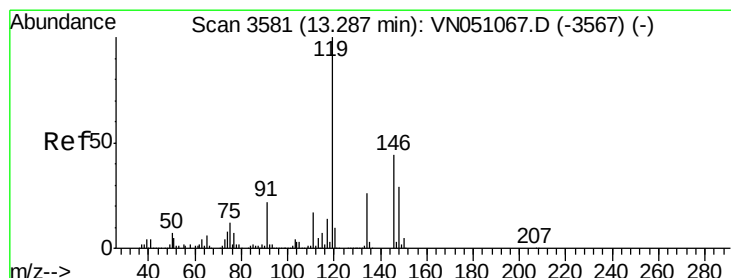
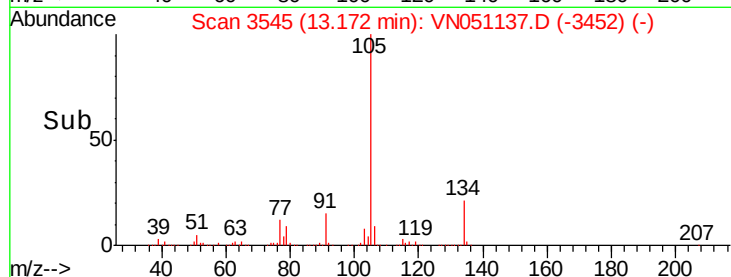
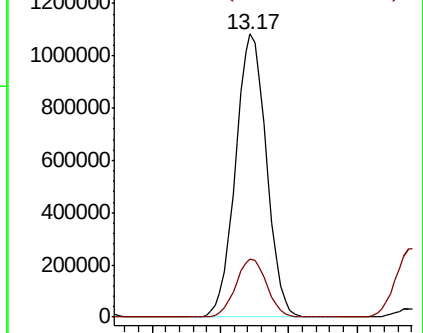
105 100

134 20.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.06 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

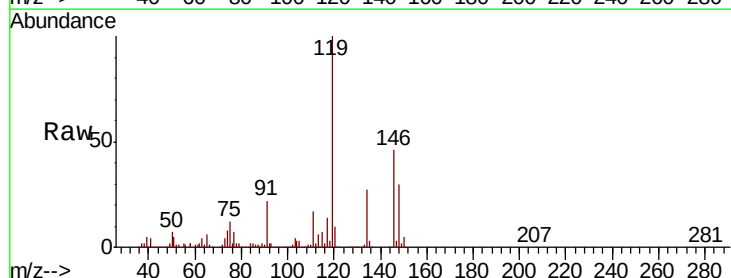
Tgt Ion:119 Resp: 1497594

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

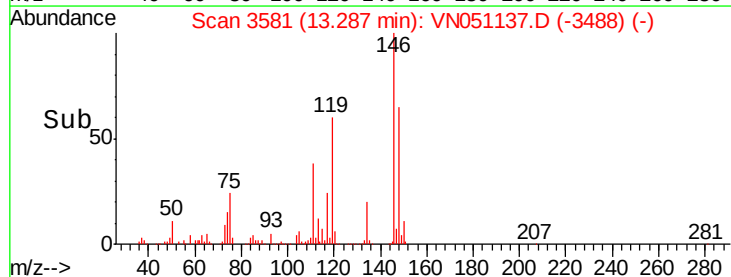
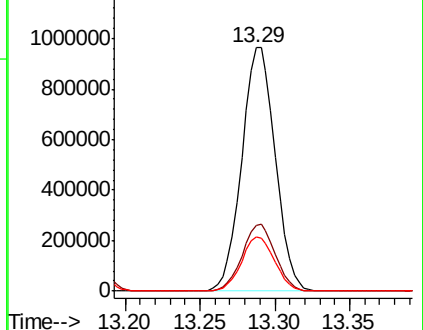
91 21.9 10.9 32.9

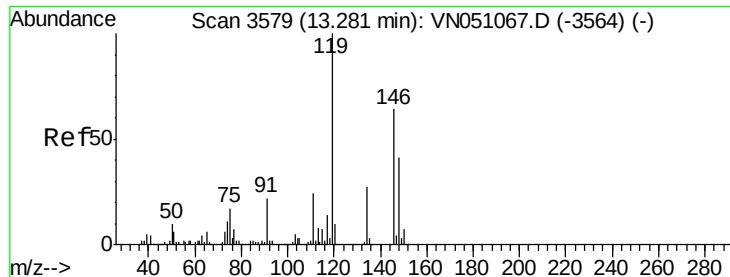


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

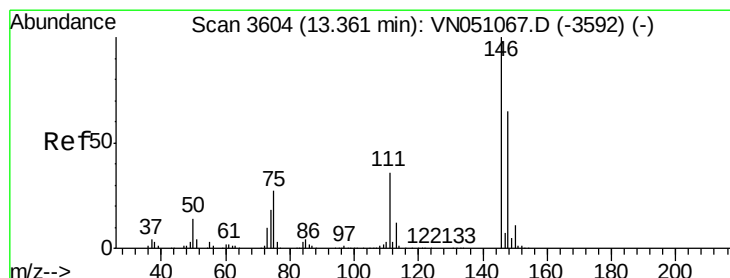
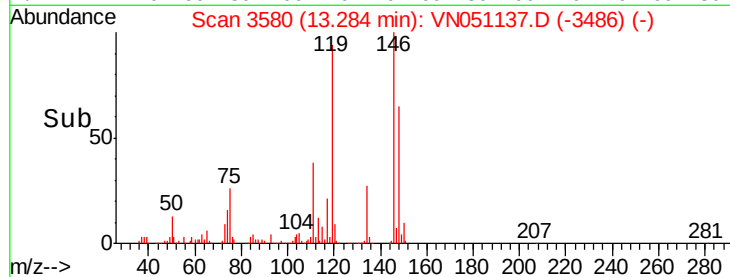
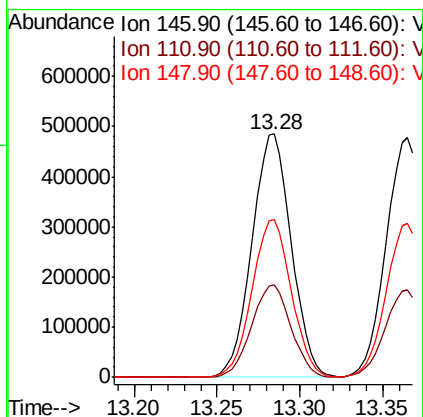
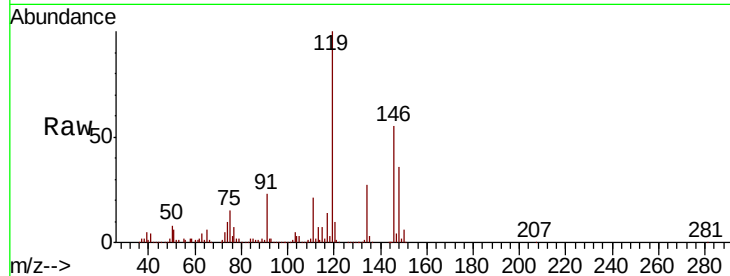




#87
 1,3-Dichlorobenzene
 Concen: 46.68 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

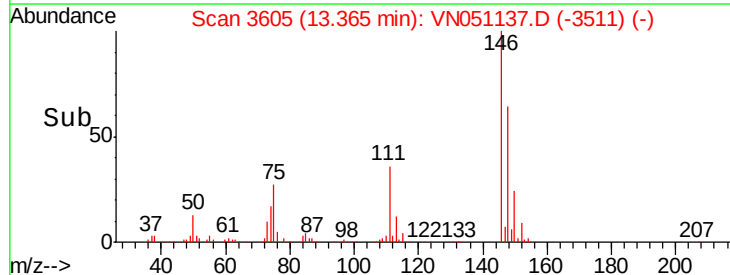
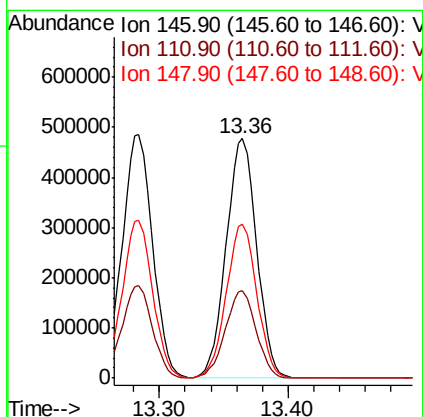
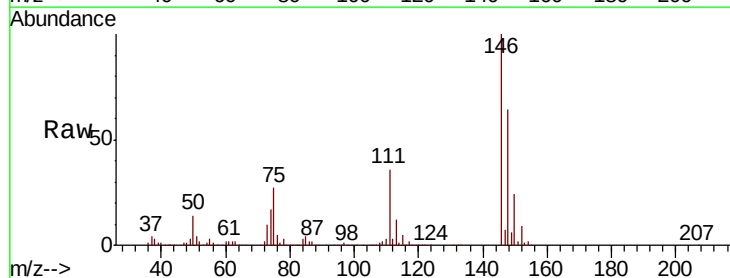
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

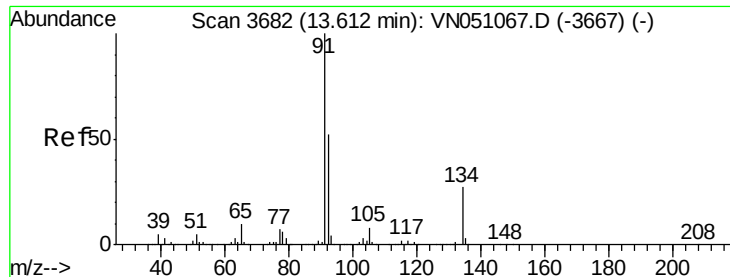
Tot Ion:146 Resp: 803852
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.1
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.59 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

Tgt Ion:146 Resp: 784092
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.0
 148 64.3 32.2 96.6

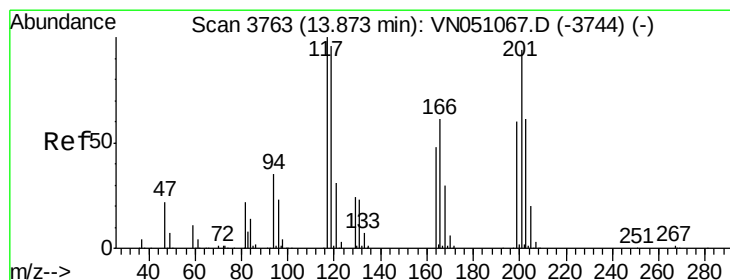
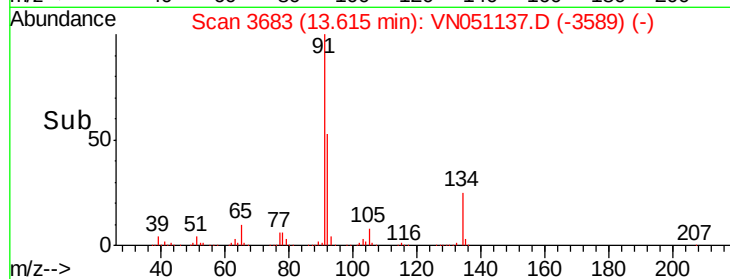
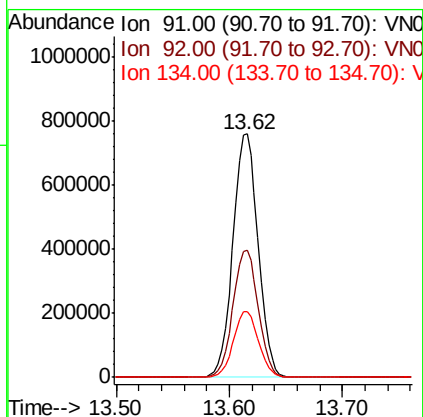
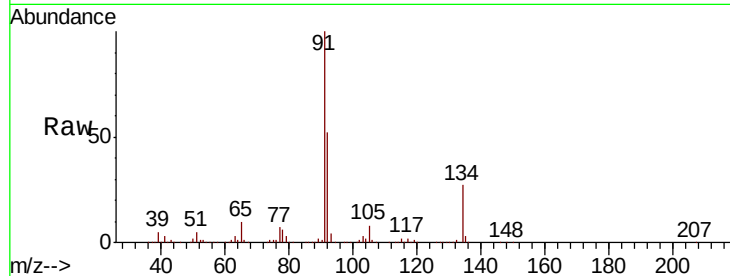




#89
n-Butylbenzene
Concen: 51.45 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051137.D
Acq: 12 Sep 2018 8:31

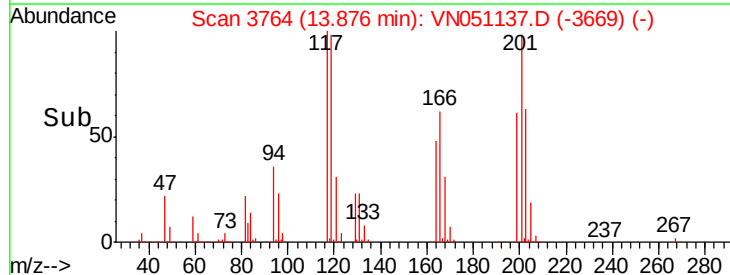
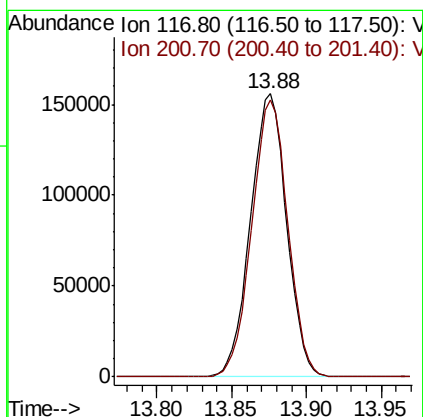
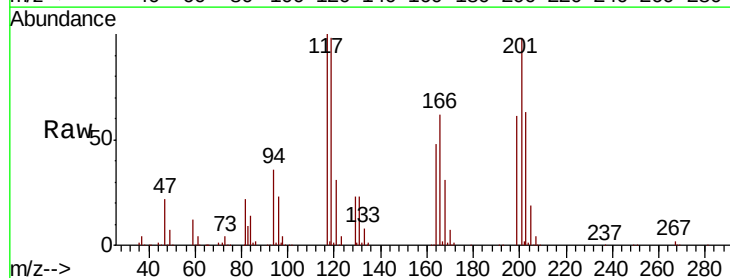
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

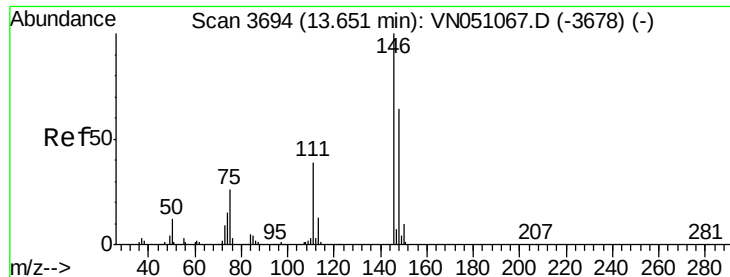
Tot Ion: 91 Resp: 1174530
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 27.0 13.7 41.1



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

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

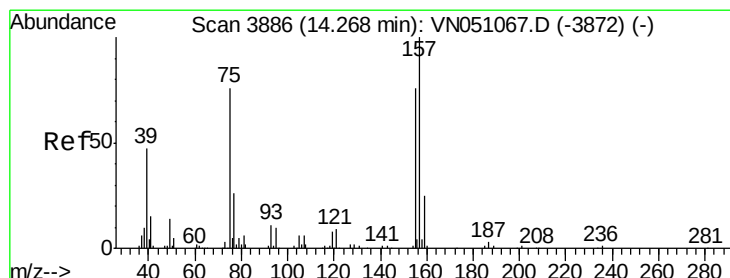
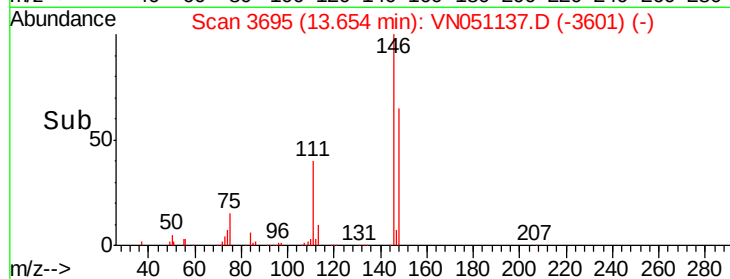
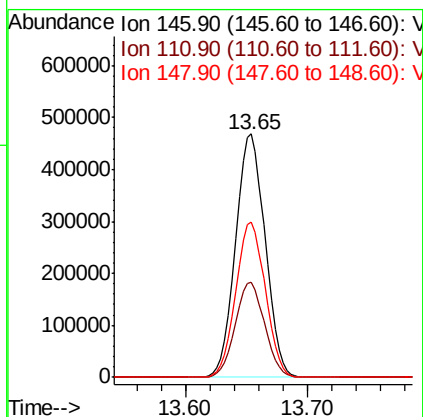
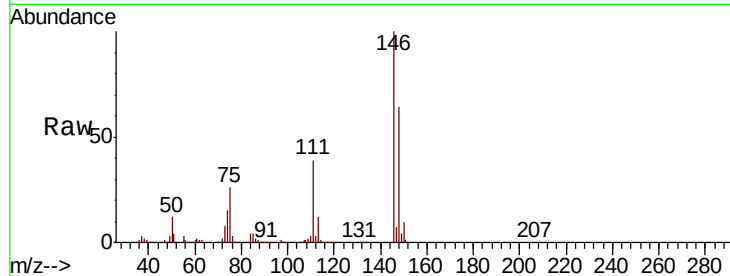




#91
 1,2-Dichlorobenzene
 Concen: 46.70 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

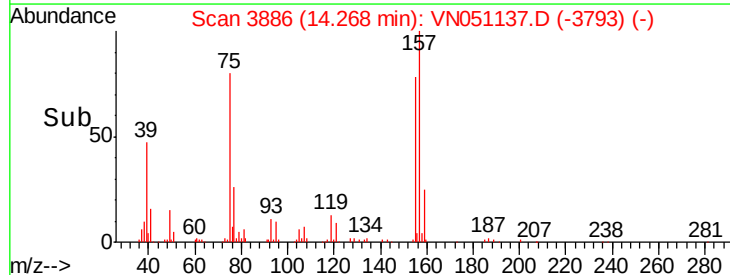
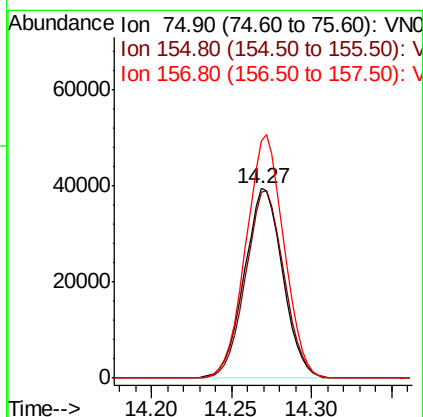
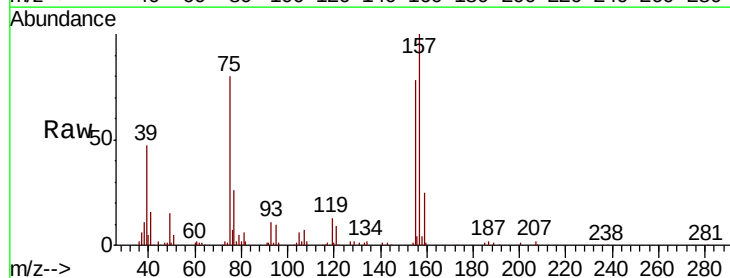
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

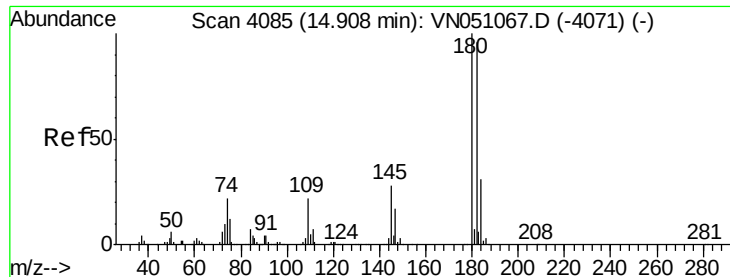
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.8	32.1	96.3



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

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

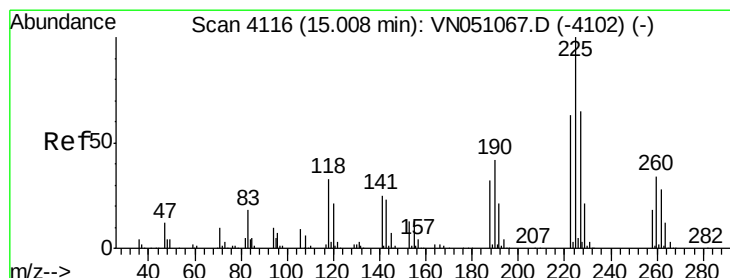
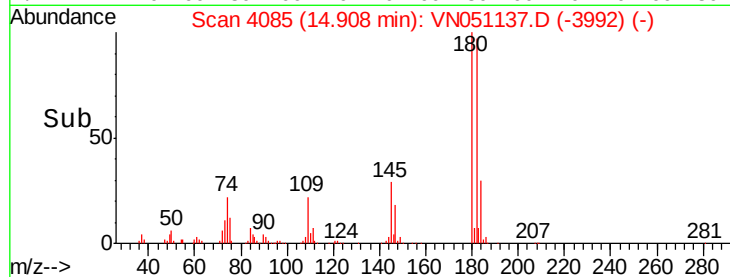
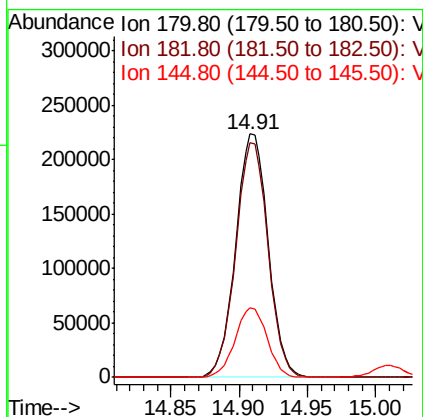
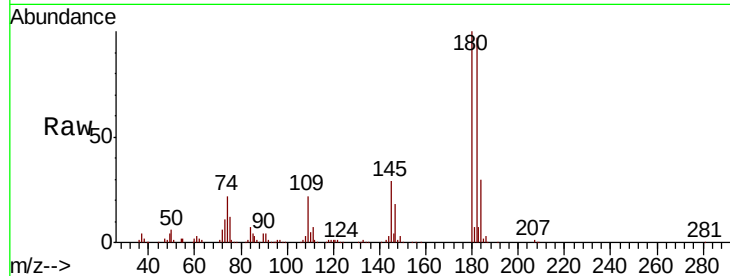




#93
 1,2,4-Trichlorobenzene
 Concen: 45.92 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051137.D
 Acq: 12 Sep 2018 8:31

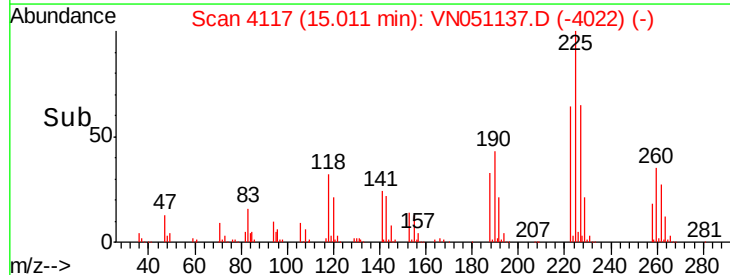
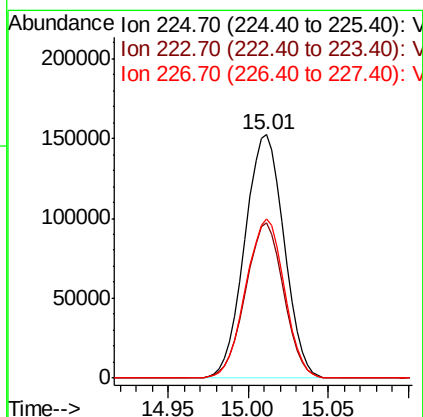
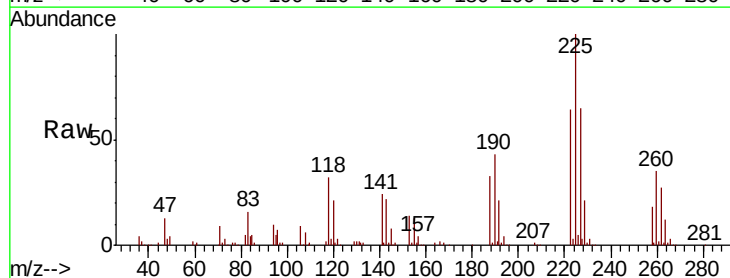
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

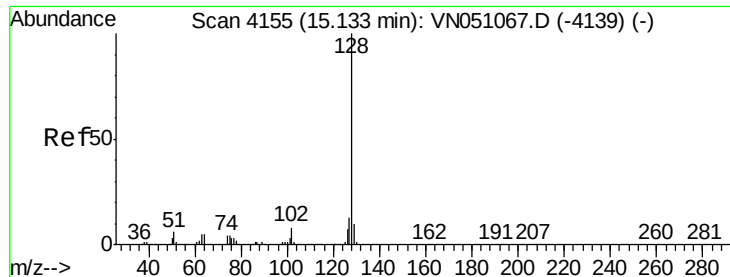
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	28.2	14.2	42.6



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

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





#95

Naphthalene

Concen: 45.37 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

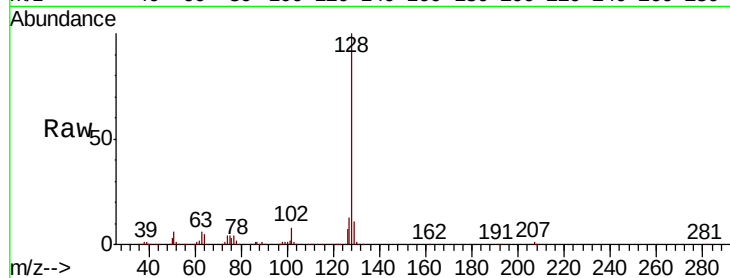
Tot Ion:128 Resp: 759353

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

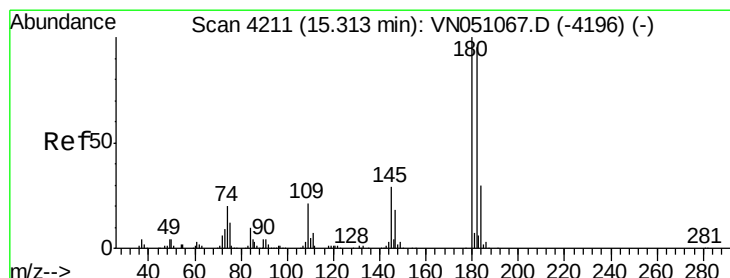
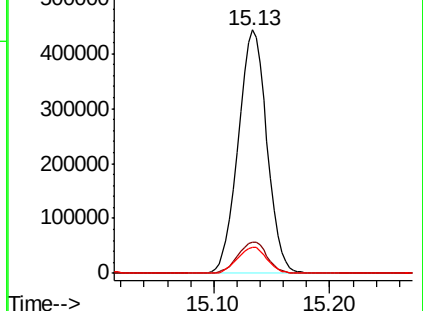
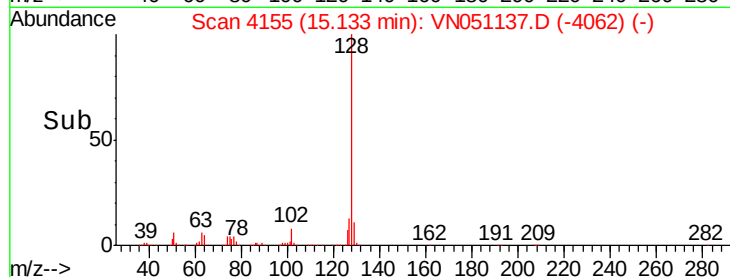
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.99 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051137.D

Acq: 12 Sep 2018 8:31

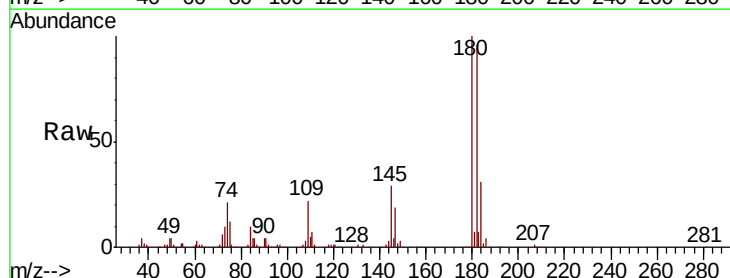
Tgt Ion:180 Resp: 370861

Ion Ratio Lower Upper

180 100

182 96.4 47.8 143.3

145 29.3 14.6 43.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

