

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051274.D
 Acq On : 17 Sep 2018 16:59
 Operator : MD\SY
 Sample : VN0917WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 09:26:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	559262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	759276	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	313112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	277975	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	7.59	113	278573	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.09	98	1044823	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
62) 4-Bromofluorobenzene	12.40	95	321025	46.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	97571	17.99	ug/l	98
3) Chloromethane	2.06	50	131902	18.46	ug/l	99
4) Vinyl Chloride	2.18	62	123615	16.88	ug/l	99
5) Bromomethane	2.57	94	68144	16.11	ug/l	95
6) Chloroethane	2.70	64	75682	17.33	ug/l	100
7) Trichlorofluoromethane	3.01	101	175015	17.44	ug/l	98
8) Diethyl Ether	3.41	74	58527	17.82	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	109369	17.44	ug/l	98
10) Methyl Iodide	3.95	142	76038	16.68	ug/l	99
11) Tert butyl alcohol	4.79	59	30172	90.15	ug/l	99
12) 1,1-Dichloroethene	3.73	96	96614	17.06	ug/l	99
13) Acrolein	3.61	56	40498	86.61	ug/l	99
14) Allyl chloride	4.32	41	138707	16.59	ug/l	98
15) Acrylonitrile	4.99	53	153456	87.63	ug/l	99
16) Acetone	3.82	43	127220	89.36	ug/l	99
17) Carbon Disulfide	4.05	76	295198	16.90	ug/l	99
18) Methyl Acetate	4.33	43	72467	17.05	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	238516	17.57	ug/l	99
20) Methylene Chloride	4.55	84	113918	17.12	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	103852	16.73	ug/l	96
22) Diisopropyl ether	5.95	45	296621	18.32	ug/l	95
23) Vinyl Acetate	5.90	43	930596	88.70	ug/l	99
24) 1,1-Dichloroethane	5.85	63	187347	17.31	ug/l	100
25) 2-Butanone	6.84	43	172840	88.77	ug/l	99
26) 2,2-Dichloropropane	6.82	77	154914	17.60	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	114788	17.31	ug/l	100
28) Bromochloromethane	7.19	49	77011	16.15	ug/l	100
29) Tetrahydrofuran	7.21	42	107158	89.02	ug/l	99
30) Chloroform	7.37	83	190286	17.21	ug/l	99
31) Cyclohexane	7.65	56	165826	16.87	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	164656	17.35	ug/l	100
36) 1,1-Dichloropropene	7.79	75	144558	17.59	ug/l	99
37) Ethyl Acetate	6.93	43	75604	17.89	ug/l	98
38) Carbon Tetrachloride	7.77	117	149858	17.49	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157353	17.62	ug/l	97
40) Benzene	8.04	78	442553	18.10	ug/l	100
41) Methacrylonitrile	7.21	41	105274	48.55	ug/l #	17
42) 1,2-Dichloroethane	8.13	62	128675	17.90	ug/l	100
43) Isopropyl Acetate	8.17	43	132410	18.11	ug/l	98
44) Trichloroethene	8.84	130	118898	17.30	ug/l	98
45) 1,2-Dichloropropane	9.12	63	114463	18.46	ug/l	99
46) Dibromomethane	9.21	93	67676	17.92	ug/l	98
47) Bromodichloromethane	9.40	83	142983	17.76	ug/l	99
48) Methyl methacrylate	9.20	41	62800	17.84	ug/l	98
49) 1,4-Dioxane	9.20	88	18222	357.71	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	363614	96.39	ug/l	99
52) Toluene	10.16	92	273119	18.66	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	134860	17.83	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	160585	17.78	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	95972	18.33	ug/l	98
56) Ethyl methacrylate	10.43	69	103875	17.02	ug/l	99
57) 1,3-Dichloropropane	10.71	76	158121	18.54	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	260603	93.48	ug/l	100
59) 2-Hexanone	10.75	43	230941	92.98	ug/l	99
60) Dibromochloromethane	10.90	129	110171	17.88	ug/l	100
61) 1,2-Dibromoethane	11.01	107	91734	18.23	ug/l	98
64) Tetrachloroethene	10.63	164	109567	17.09	ug/l	98
65) Chlorobenzene	11.43	112	293455	17.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	111375	17.61	ug/l	99
67) Ethyl Benzene	11.51	91	475890	17.88	ug/l	100
68) m/p-Xylenes	11.62	106	381904	36.93	ug/l	99
69) o-Xylene	11.95	106	180050	18.27	ug/l	100
70) Styrene	11.96	104	279154	16.86	ug/l	99
71) Bromoform	12.13	173	73370	17.49	ug/l #	100
73) Isopropylbenzene	12.25	105	473698	17.94	ug/l	99
74) N-amyl acetate	12.07	43	91504	16.88	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	113286	18.86	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	126941	28.45	ug/l #	100
77) Bromobenzene	12.53	156	121413	17.81	ug/l	98
78) n-propylbenzene	12.59	91	519469	18.24	ug/l	100
79) 2-Chlorotoluene	12.67	91	317440	17.53	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	389951	18.47	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25846	18.33	ug/l	100
82) 4-Chlorotoluene	12.77	91	308120	17.89	ug/l	99
83) tert-Butylbenzene	12.99	119	335331	17.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	384217	18.74	ug/l	100
85) sec-Butylbenzene	13.17	105	441590	18.64	ug/l	100
86) p-Isopropyltoluene	13.29	119	379448	19.10	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	196072	16.81	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	190267	17.49	ug/l	98
89) n-Butylbenzene	13.62	91	259218	17.27	ug/l	99
90) Hexachloroethane	13.87	117	72351	18.13	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	194028	17.73	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13888	18.14	ug/l	96

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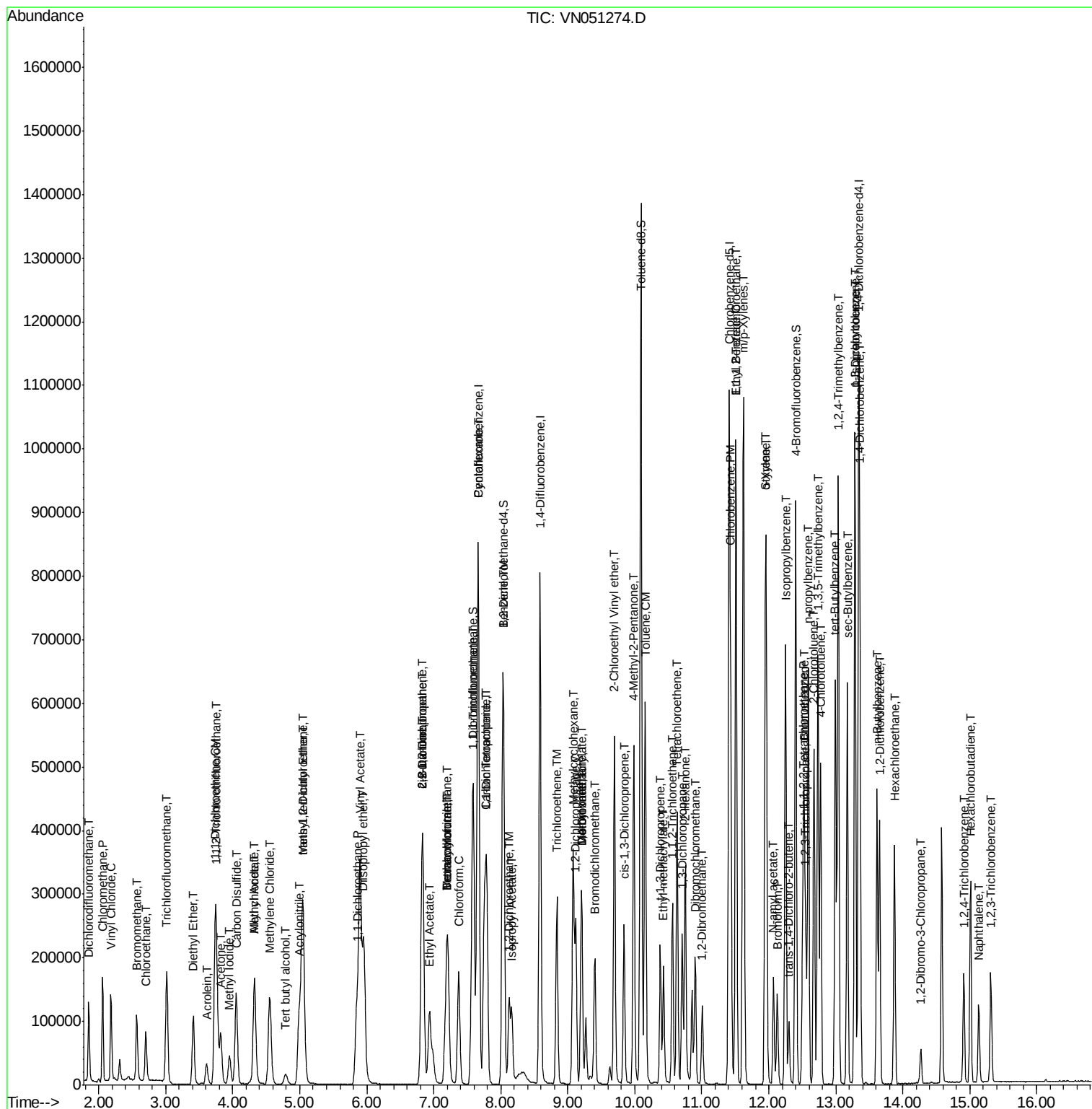
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61859	15.57	ug/l	99
94) Hexachlorobutadiene	15.01	225	69681	18.59	ug/l	98
95) Naphthalene	15.13	128	106975	15.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	68107	16.44	ug/l	99

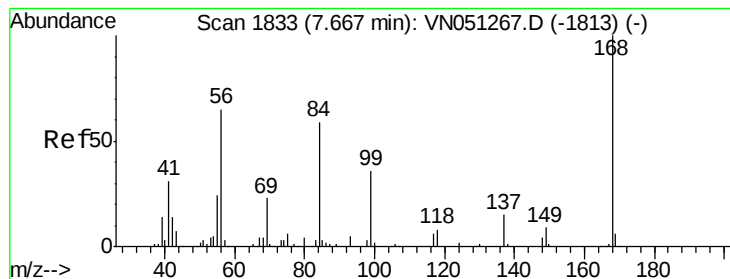
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091718\
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Quant Title : SW846 8260
QLast Update : Tue Sep 18 06:04:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

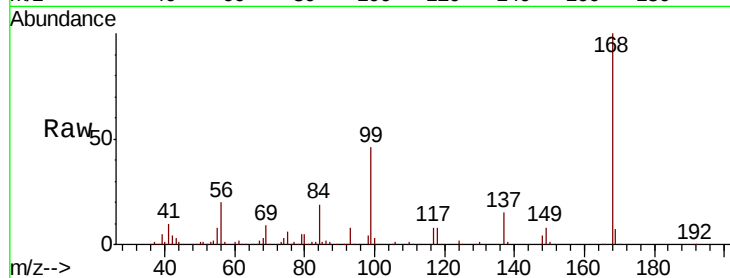
ClientSampleId :

Tot Ion:168 Resp: 559262

Ion Ratio Lower Upper

168 100

99 45.9 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

250000

200000

150000

100000

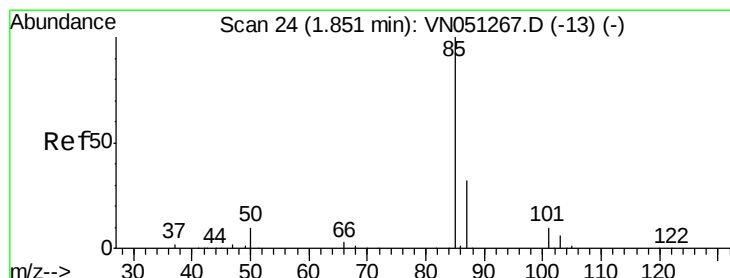
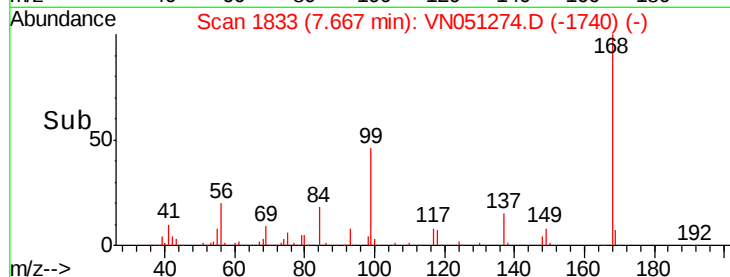
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.99 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051274.D

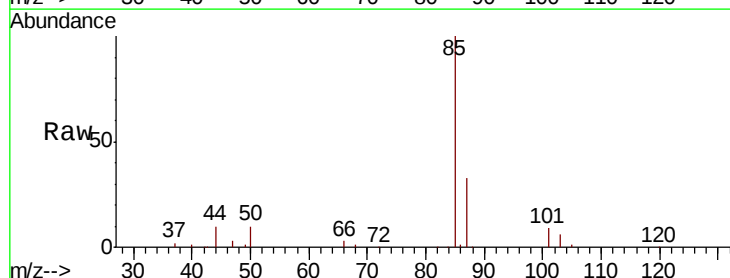
Acq: 17 Sep 2018 16:59

Tgt Ion: 85 Resp: 97571

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN051267.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051267.D (-13) (-)

1.85

80000

60000

40000

20000

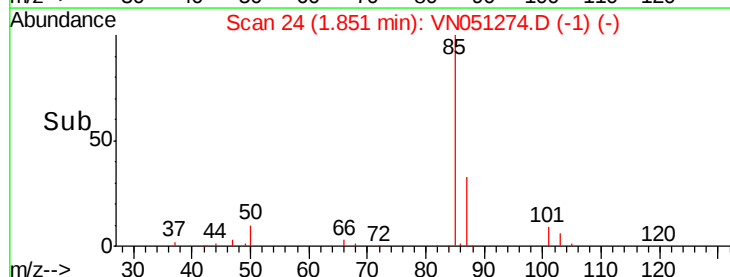
0

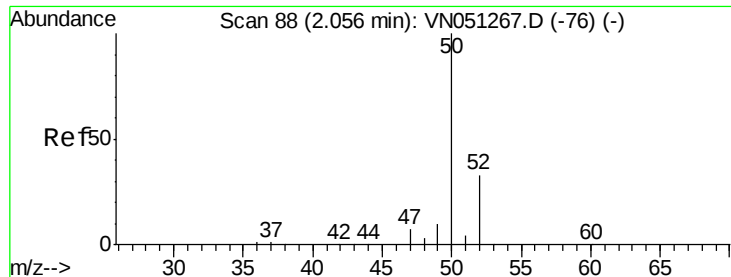
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 18.46 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

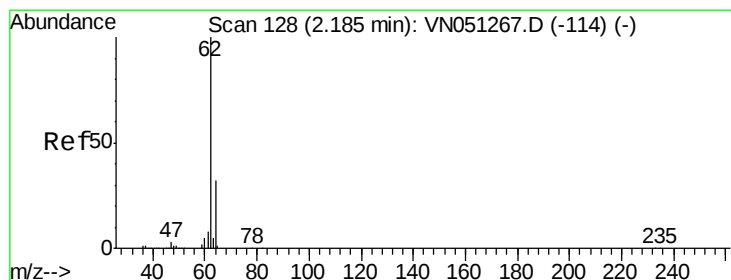
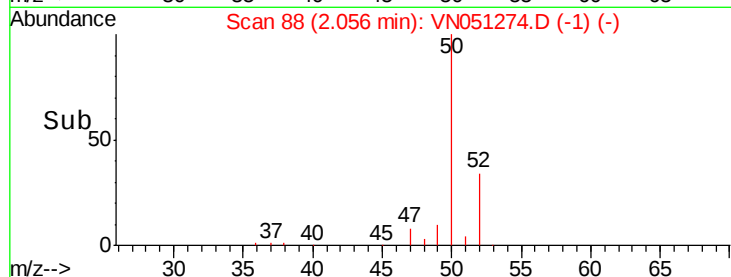
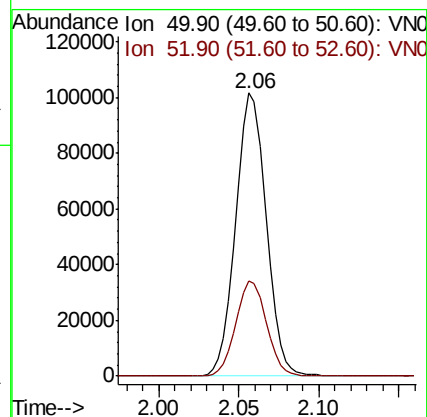
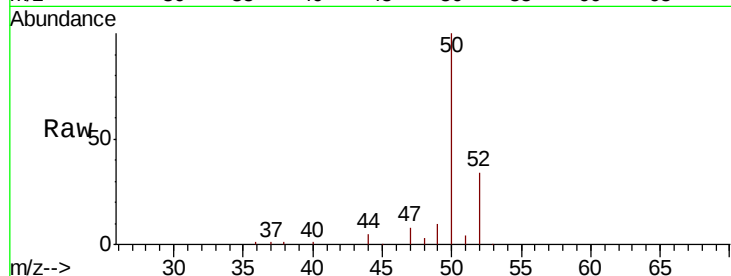
ClientSampled :

Tot Ion: 50 Resp: 131902

Ion Ratio Lower Upper

50 100

52 33.6 26.6 40.0



#4

Vinyl Chloride

Concen: 16.88 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051274.D

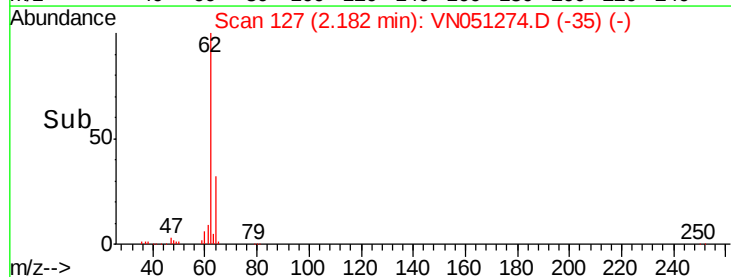
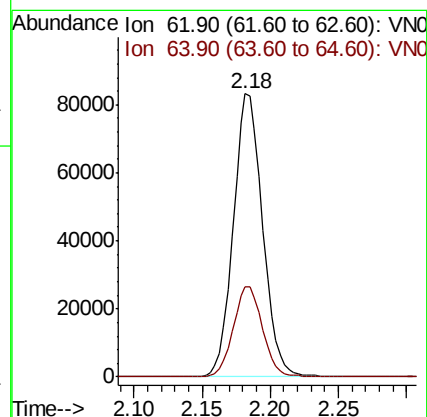
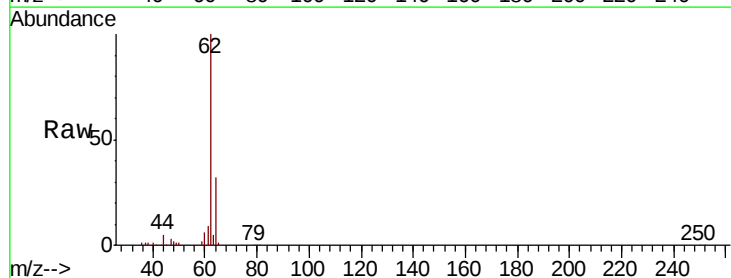
Acq: 17 Sep 2018 16:59

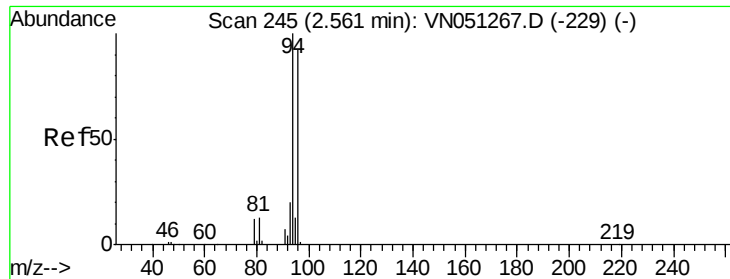
Tgt Ion: 62 Resp: 123615

Ion Ratio Lower Upper

62 100

64 31.9 25.8 38.6





#5

Bromomethane

Concen: 16.11 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

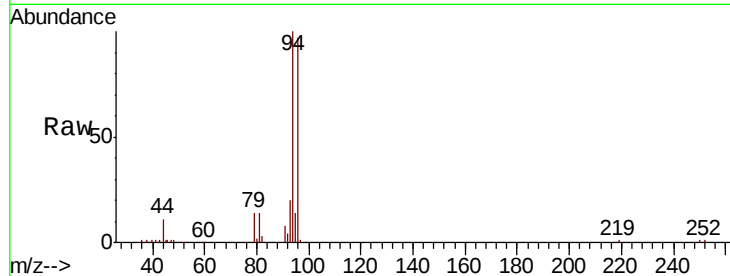
ClientSampled :

Tot Ion: 94 Resp: 68144

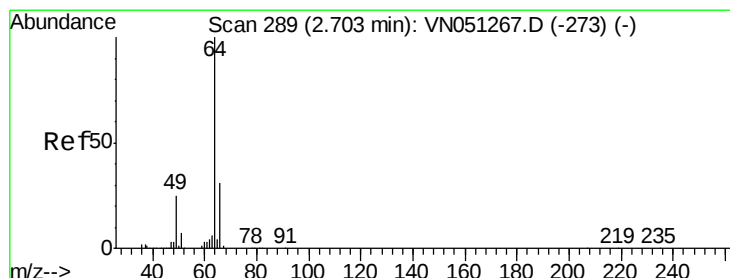
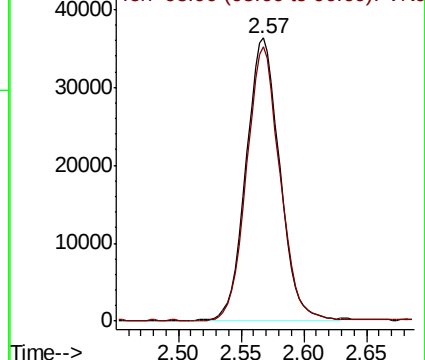
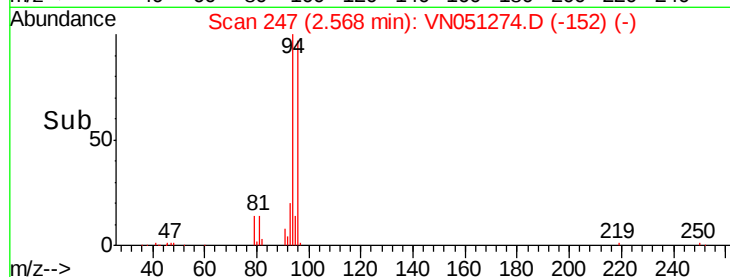
Ion Ratio Lower Upper

94 100

96 97.1 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN051274.D (-152) (-)



#6

Chloroethane

Concen: 17.33 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051274.D

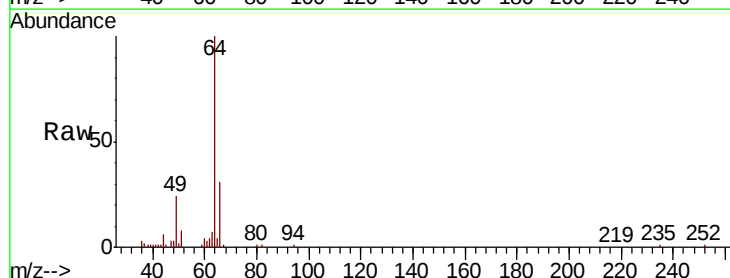
Acq: 17 Sep 2018 16:59

Tgt Ion: 64 Resp: 75682

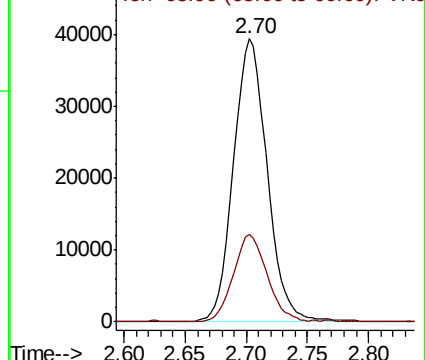
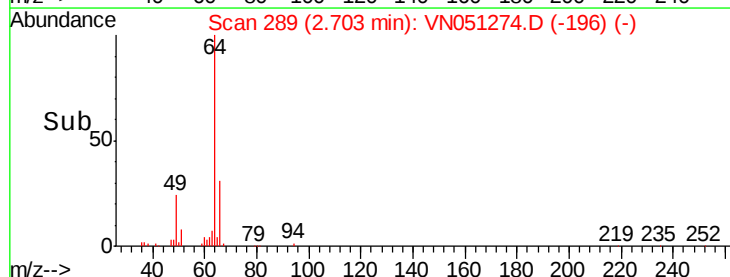
Ion Ratio Lower Upper

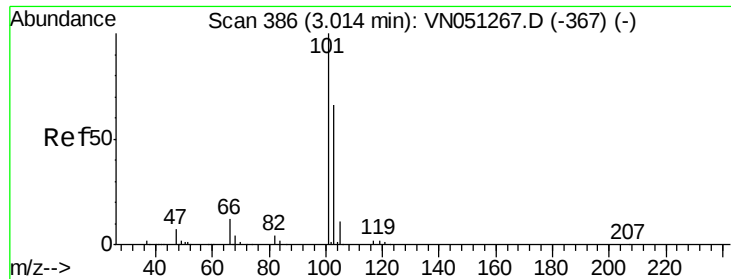
64 100

66 31.1 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VN051274.D (-196) (-)



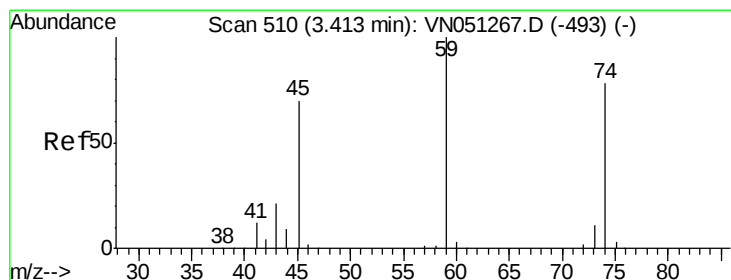
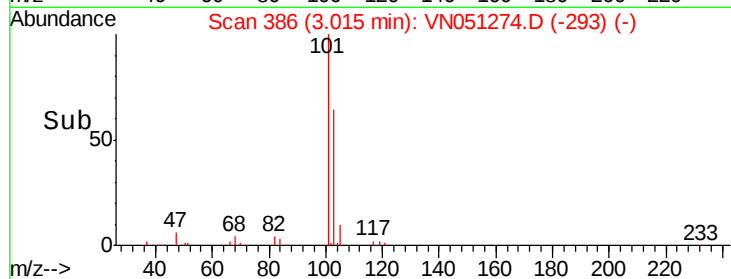
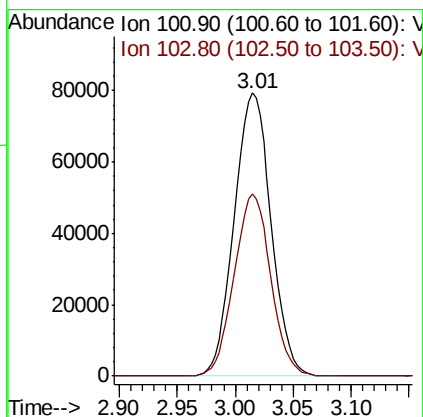
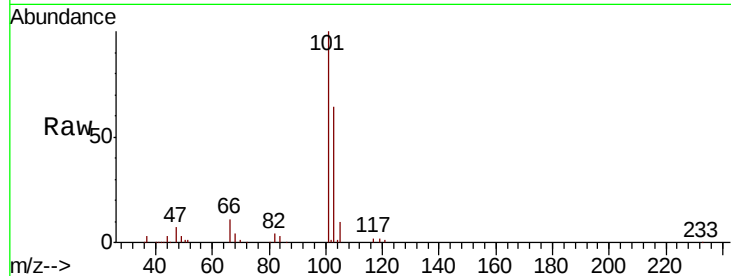


#7

Trichlorofluoromethane
 Concen: 17.44 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampled :

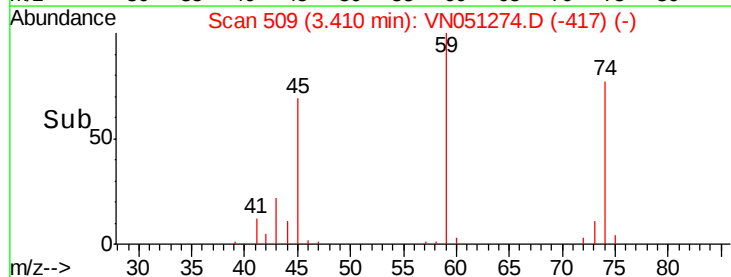
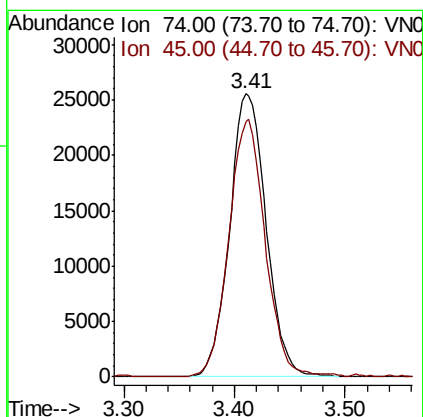
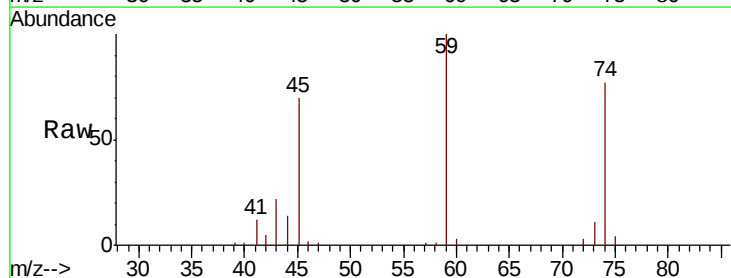
Tot Ion:101 Resp: 175015
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.7 79.1

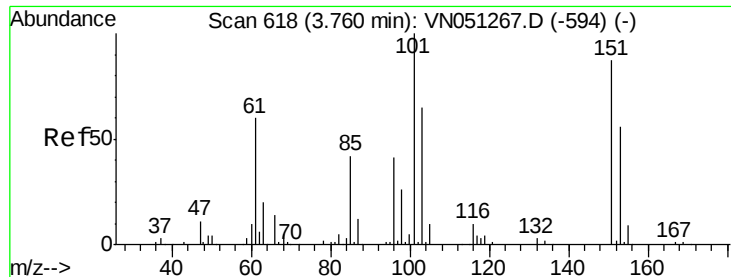


#8

Diethyl Ether
 Concen: 17.82 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion: 74 Resp: 58527
 Ion Ratio Lower Upper
 74 100
 45 90.6 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.44 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampled :

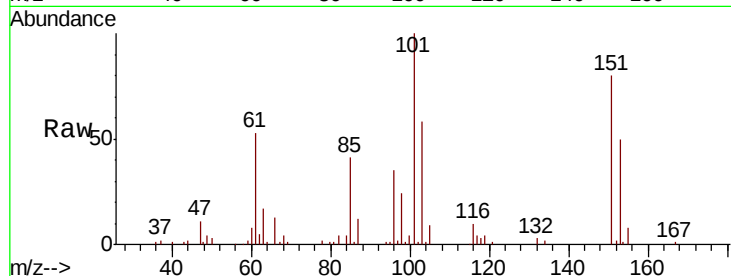
Tot Ion:101 Resp: 109369

Ion Ratio Lower Upper

101 100

85 40.9 33.0 49.6

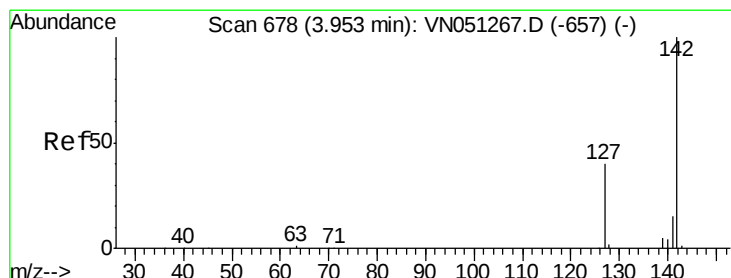
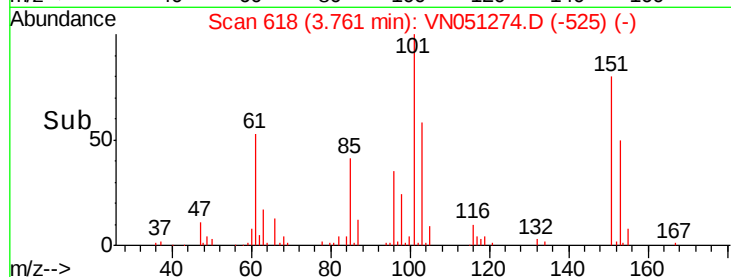
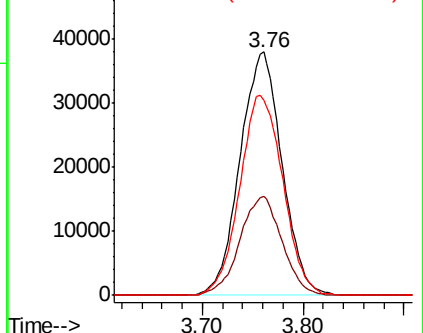
151 84.4 69.8 104.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.68 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

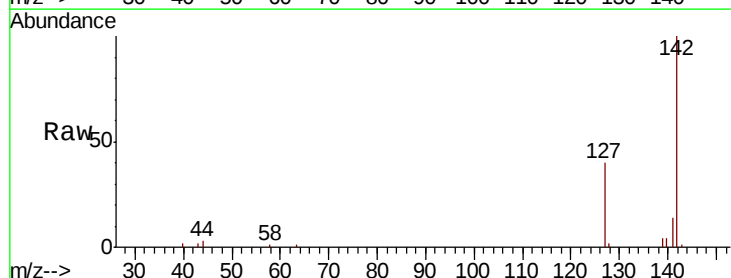
Tgt Ion:142 Resp: 76038

Ion Ratio Lower Upper

142 100

127 40.2 31.7 47.5

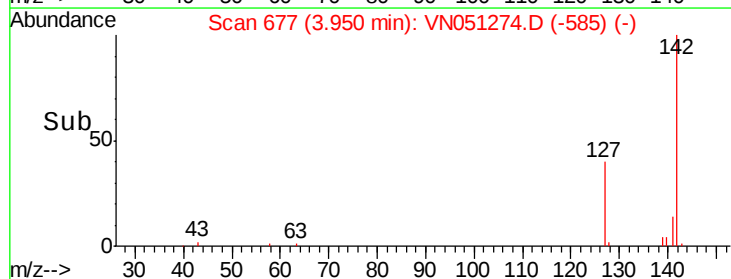
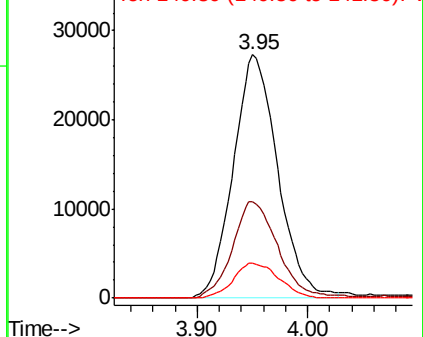
141 14.6 11.6 17.4

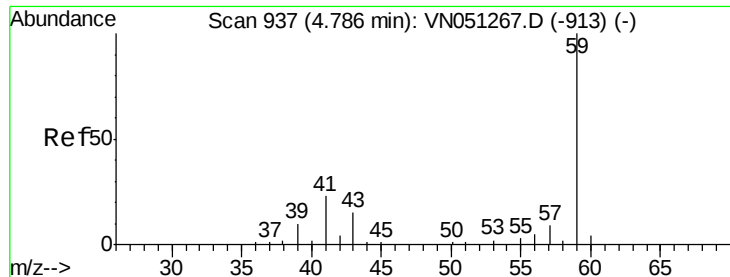


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.15 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

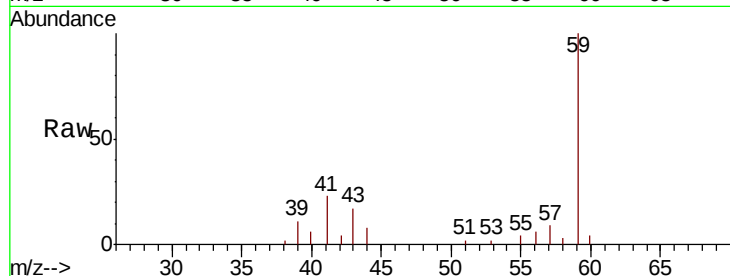
ClientSampled :

Tot Ion: 59 Resp: 30172

Ion Ratio Lower Upper

59 100

57 10.2 7.9 11.9



Abundance Ion 59.00 (58.70 to 59.70): VN051267.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN051267.D (-913) (-)

4.79

8000

6000

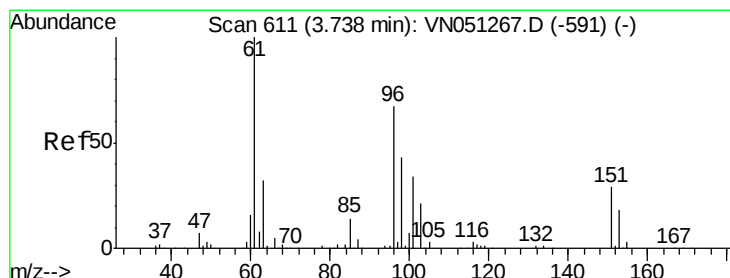
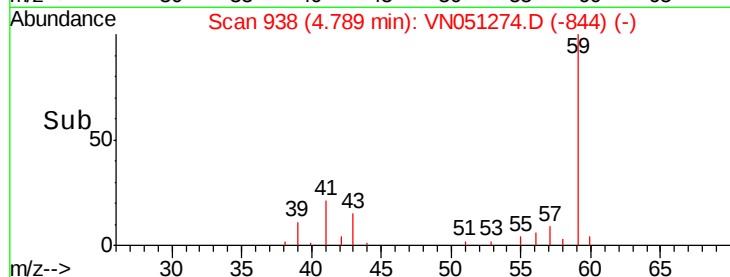
4000

2000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 17.06 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

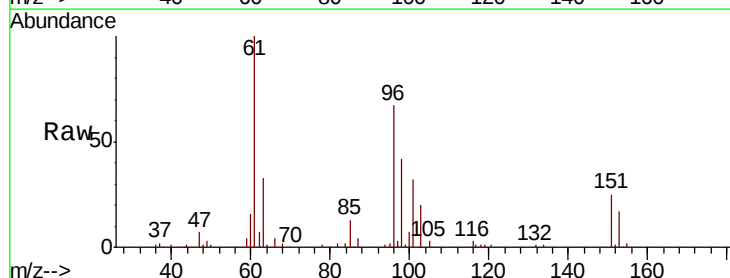
Tgt Ion: 96 Resp: 96614

Ion Ratio Lower Upper

96 100

61 149.2 119.3 178.9

98 62.4 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VN051267.D (-591) (-)

Ion 60.90 (60.60 to 61.60): VN051267.D (-591) (-)

Ion 97.90 (97.60 to 98.60): VN051267.D (-591) (-)

3.73

80000

60000

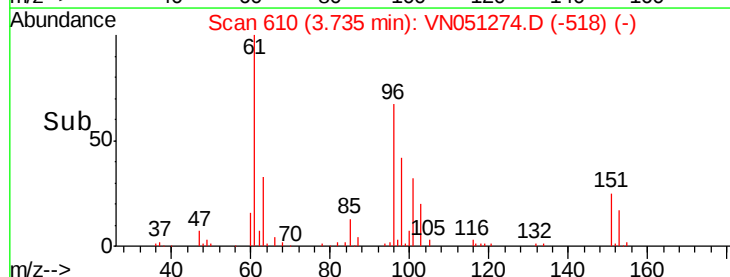
40000

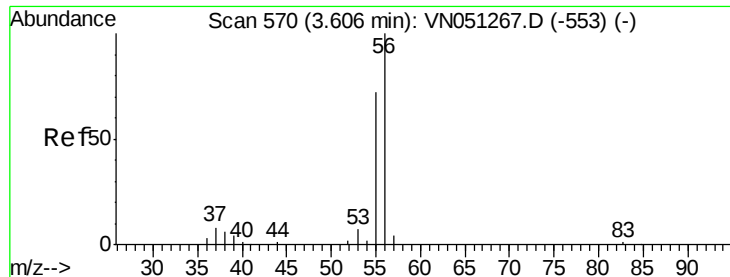
20000

0

3.70 3.80

Time-->





#13

Acrolein

Concen: 86.61 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

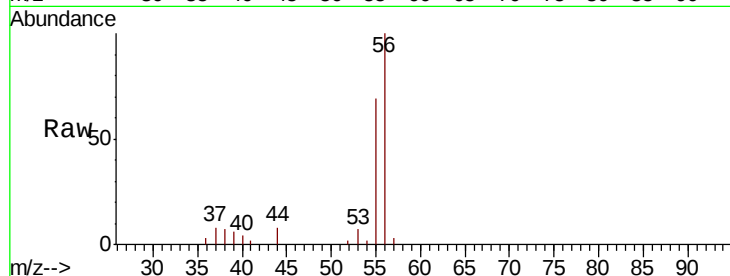
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 40498

Ion Ratio Lower Upper

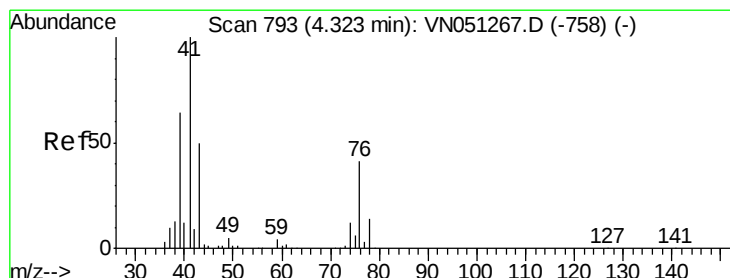
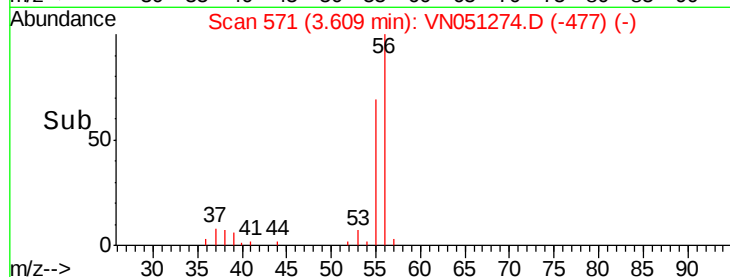
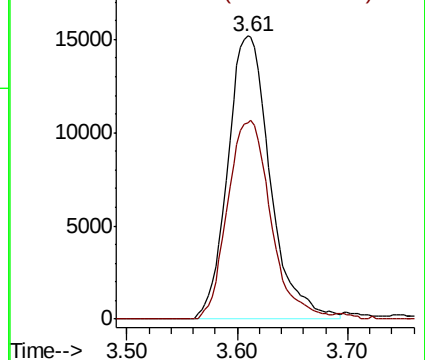
56 100

55 71.3 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.59 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

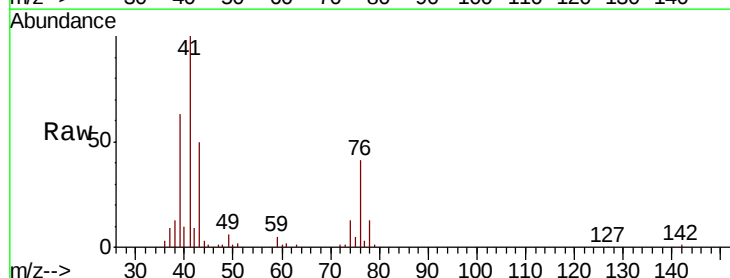
Tgt Ion: 41 Resp: 138707

Ion Ratio Lower Upper

41 100

39 63.0 49.0 73.4

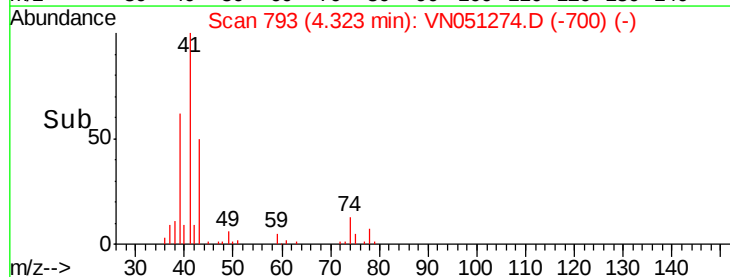
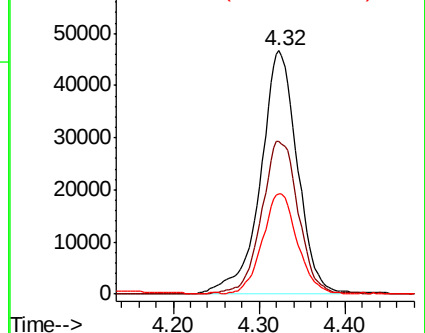
76 39.4 31.4 47.0

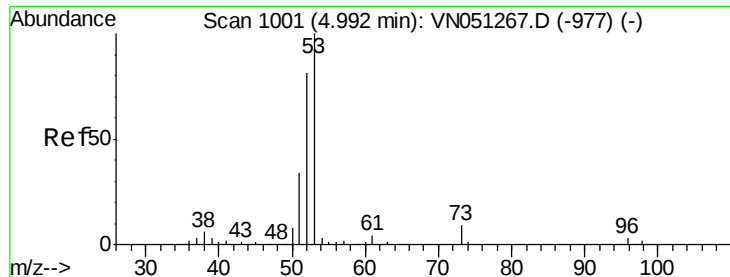


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

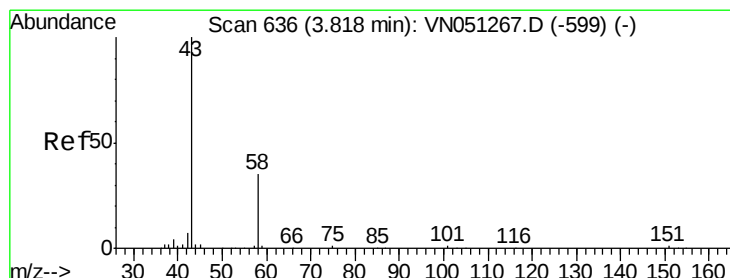
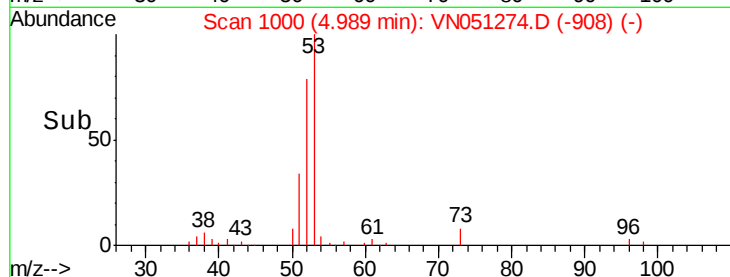
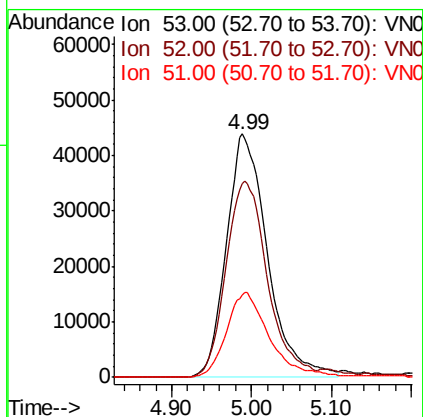
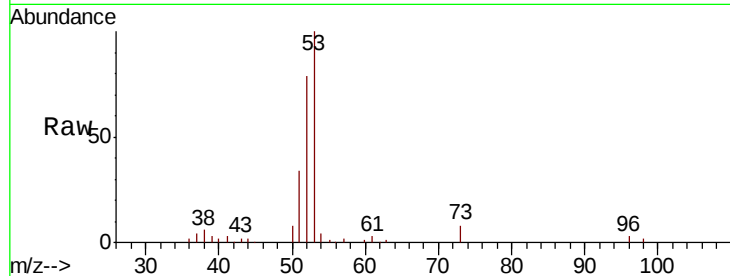




#15
 Acrylonitrile
 Concen: 87.63 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

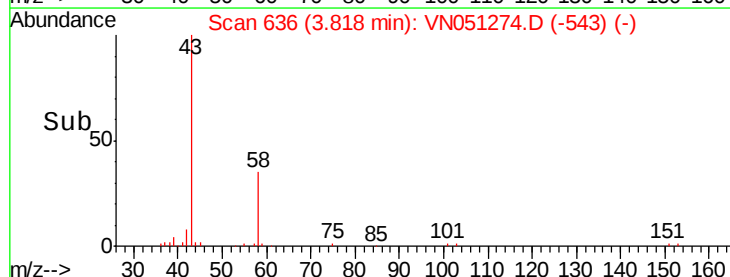
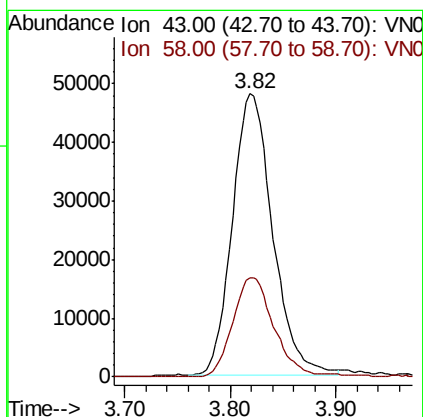
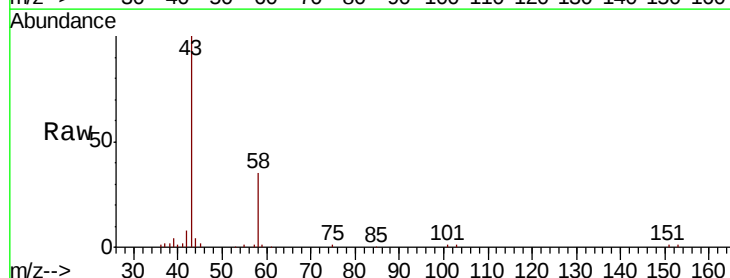
Instrument :
 MSVOA_N
 ClientSampled :

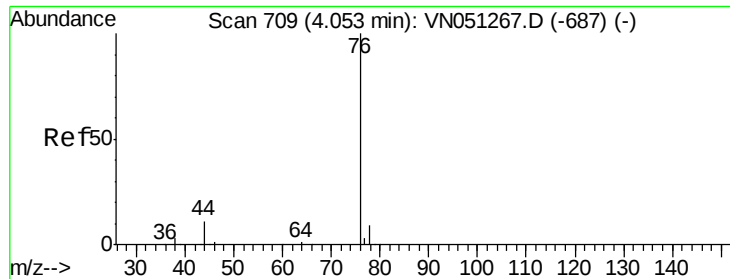
Tot Ion: 53 Resp: 153456
 Ion Ratio Lower Upper
 53 100
 52 81.1 65.0 97.6
 51 36.7 28.0 42.0



#16
 Acetone
 Concen: 89.36 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion: 43 Resp: 127220
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.2 42.2

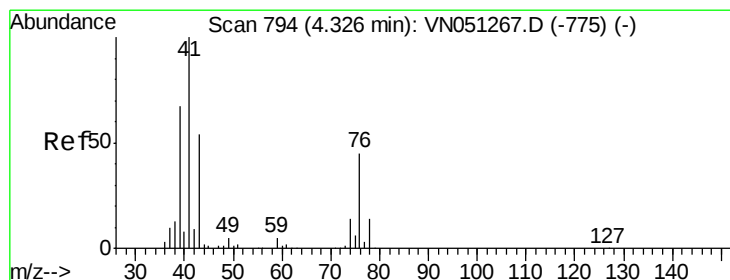
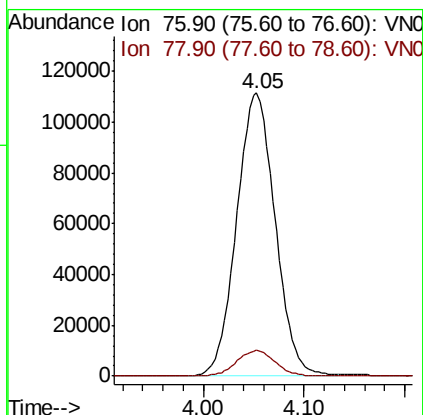
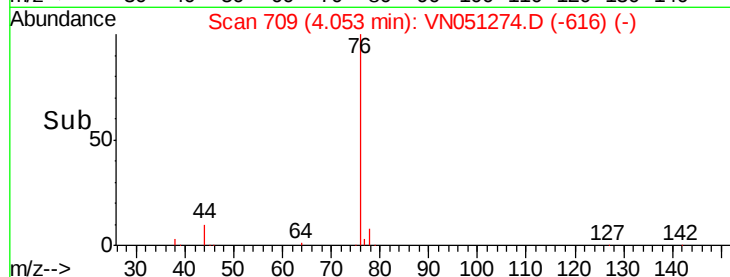
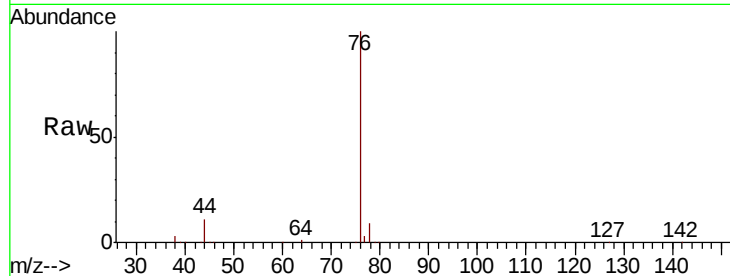




#17
Carbon Disulfide
Concen: 16.90 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

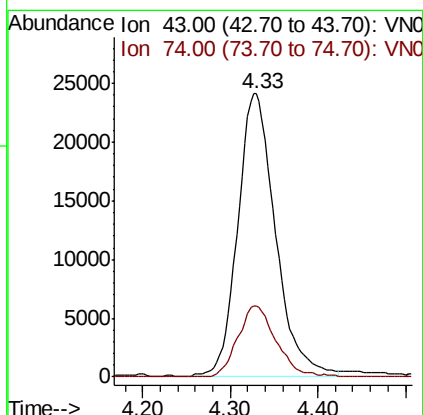
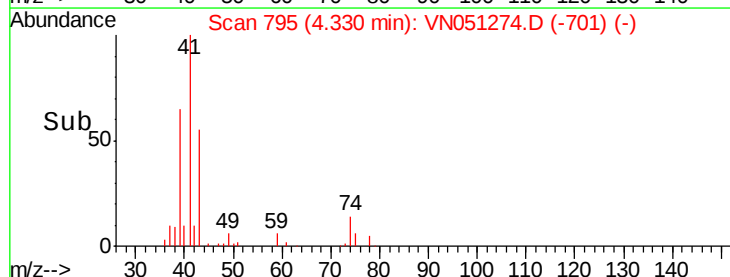
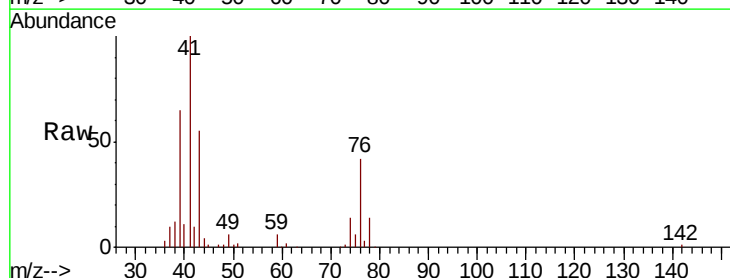
Instrument :
MSVOA_N
ClientSampled :

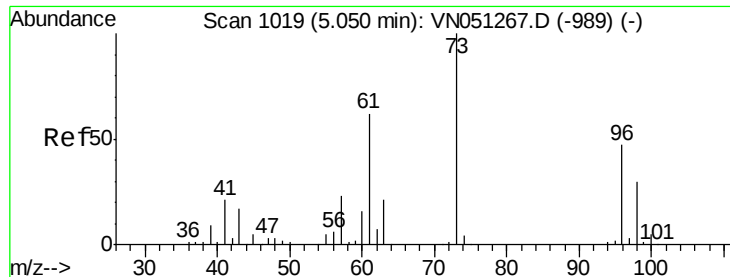
Tot Ion: 76 Resp: 295198
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 17.05 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 43 Resp: 72467
Ion Ratio Lower Upper
43 100
74 25.0 20.8 31.2

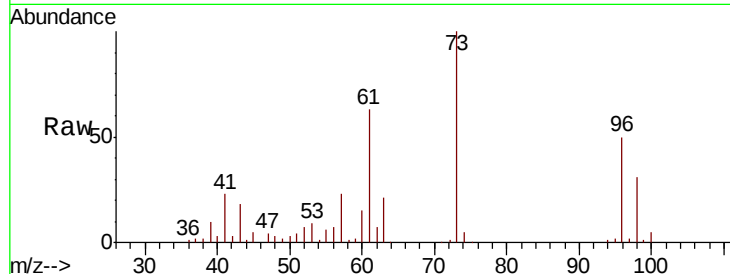




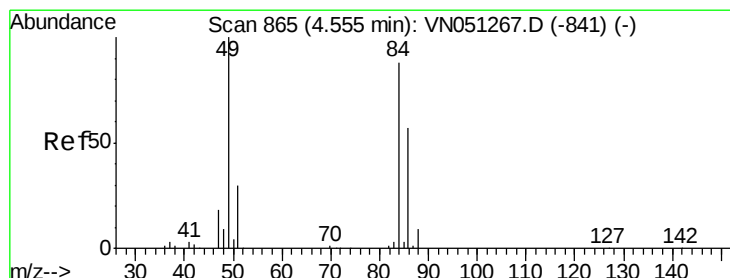
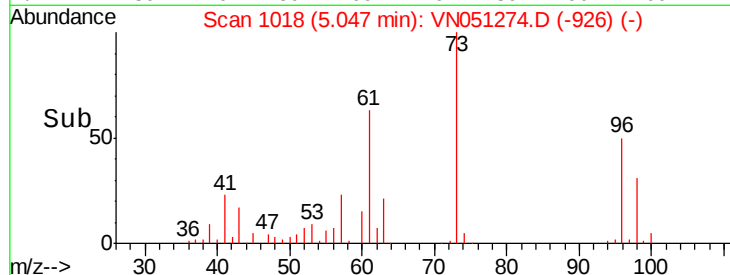
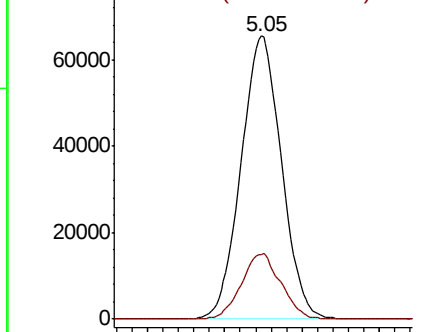
#19
Methvl tert-butvl Ether
Concen: 17.57 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 238516
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1

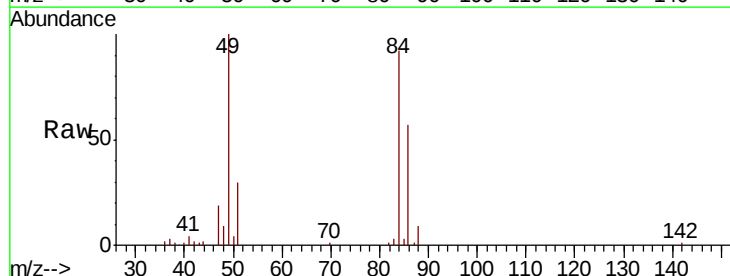


Abundance Ion 73.00 (72.70 to 73.70): VNC
Ion 57.00 (56.70 to 57.70): VNC

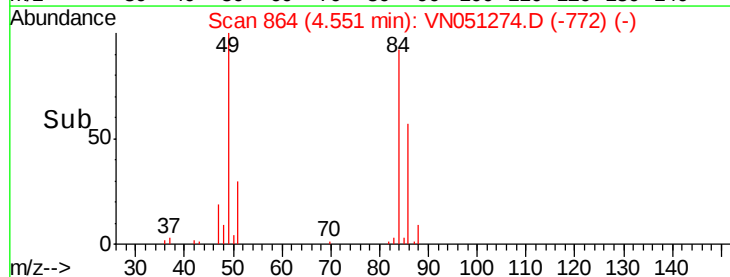
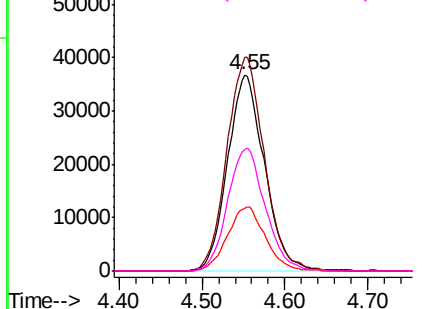


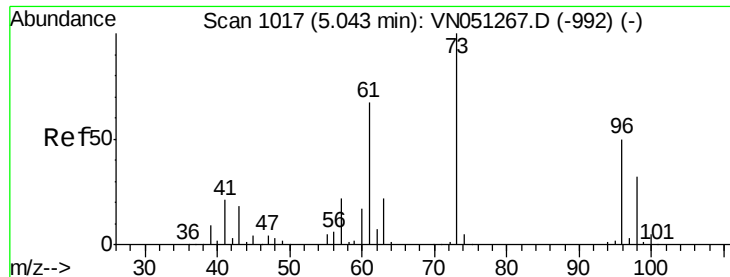
#20
Methylene Chloride
Concen: 17.12 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 84 Resp: 113918
Ion Ratio Lower Upper
84 100
49 108.8 91.2 136.8
51 32.3 27.7 41.5
86 62.1 52.0 78.0



Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

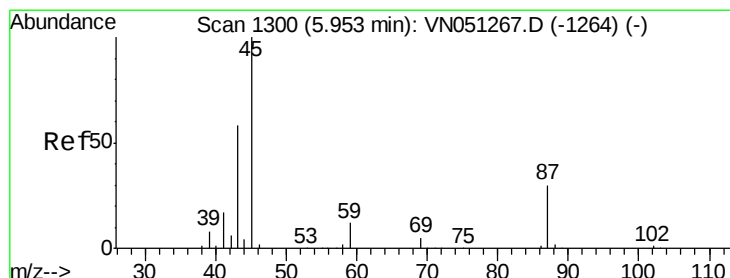
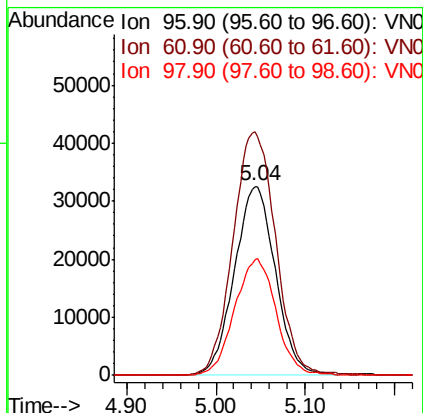
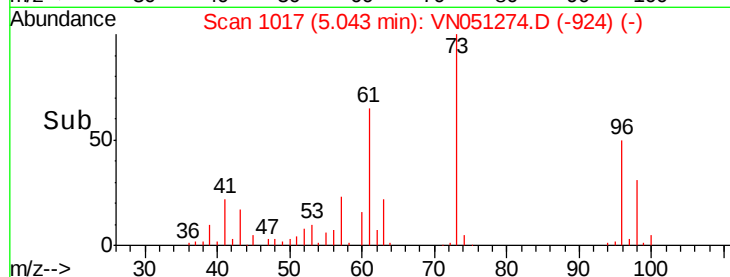
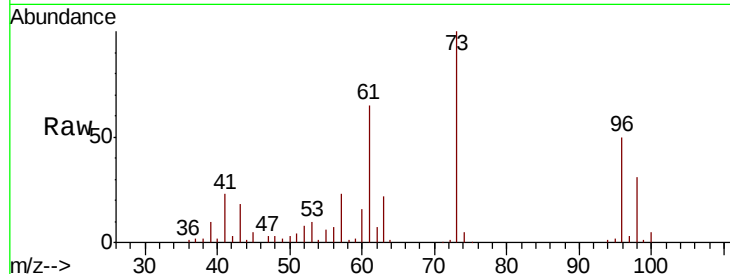




#21
trans-1,2-Dichloroethene
Concen: 16.73 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

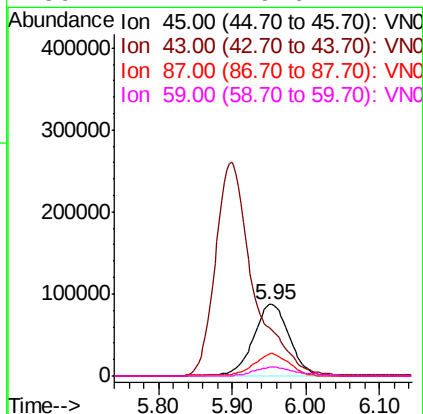
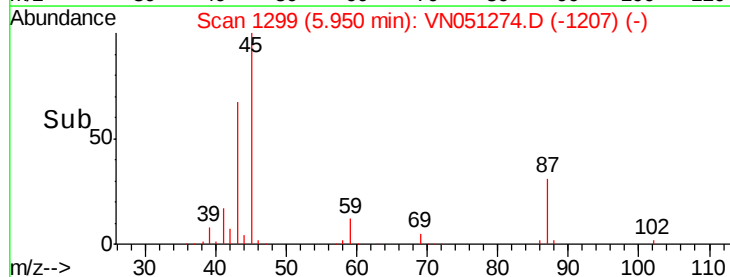
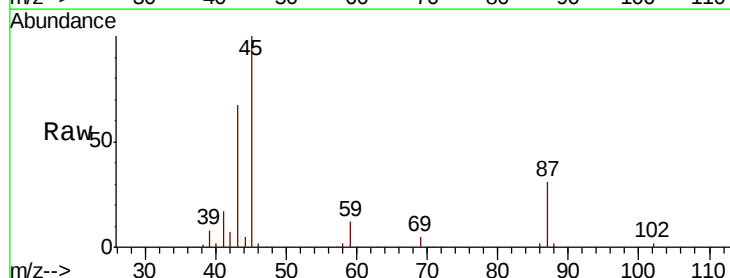
Instrument :
MSVOA_N
ClientSampled :

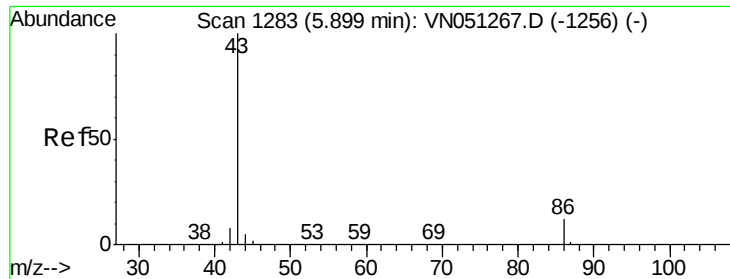
Tot Ion: 96 Resp: 103852
Ion Ratio Lower Upper
96 100
61 128.9 106.7 160.1
98 61.5 51.4 77.0



#22
Diisopropyl ether
Concen: 18.32 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 45 Resp: 296621
Ion Ratio Lower Upper
45 100
43 64.9 46.7 70.1
87 31.0 24.6 36.8
59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 88.70 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

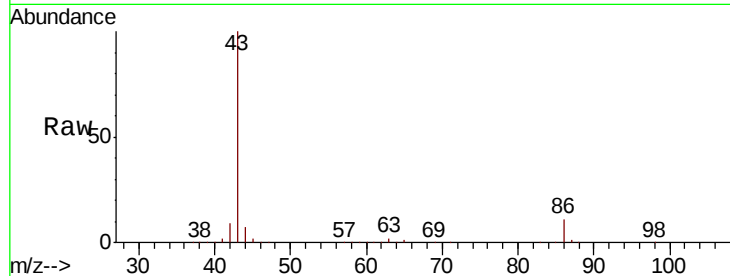
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 930596

Ion Ratio Lower Upper

43 100

86 11.4 9.3 13.9



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051267.D (-1256) (-)

5.90

300000

250000

200000

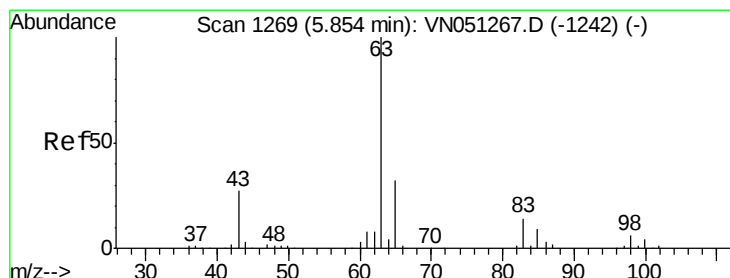
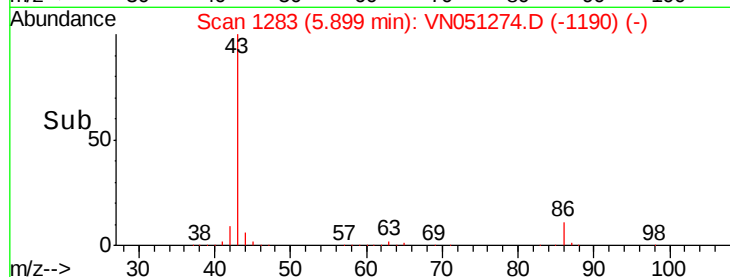
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.31 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

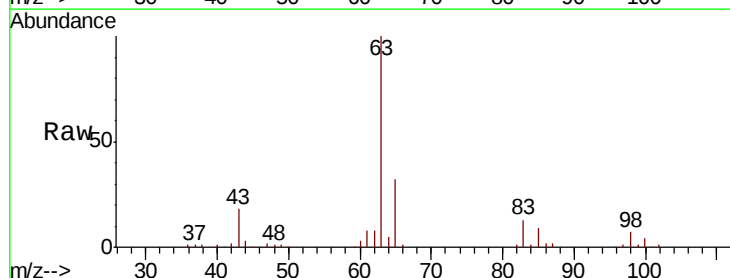
Tgt Ion: 63 Resp: 187347

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.3 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN051267.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051267.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051267.D (-1242) (-)

5.85

80000

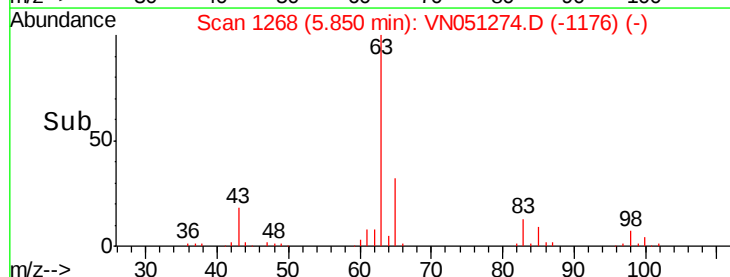
60000

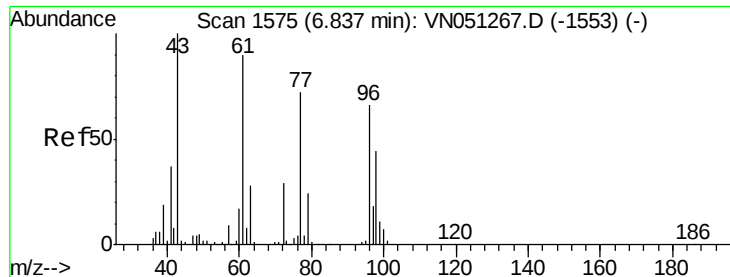
40000

20000

0

Time-->

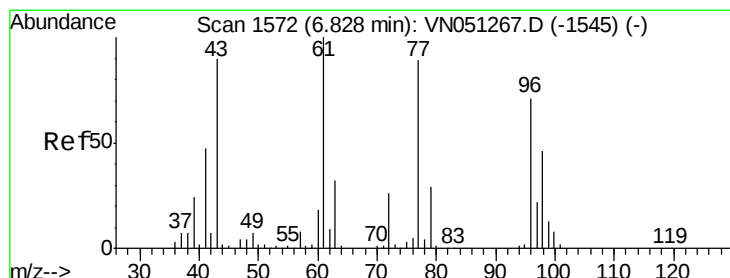
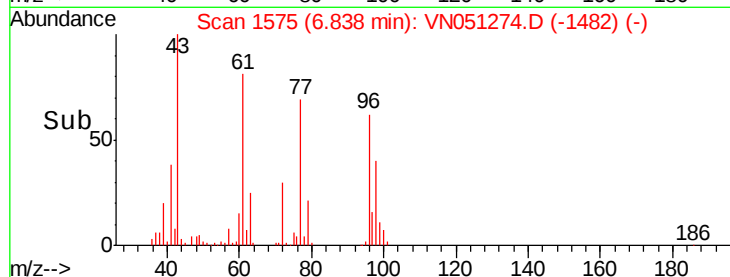
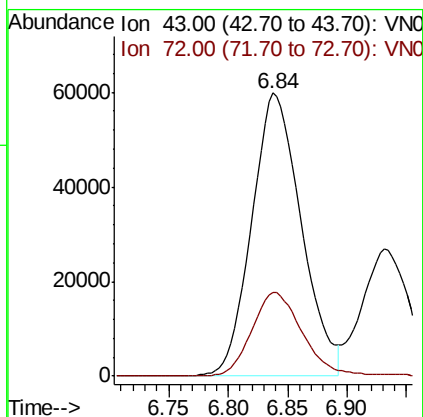
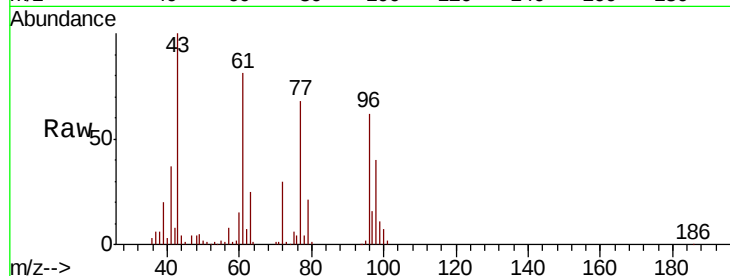




#25
2-Butanone
Concen: 88.77 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

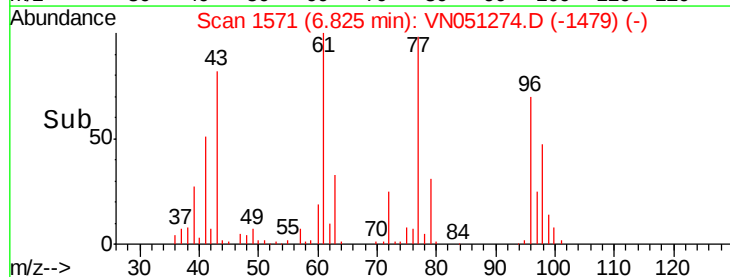
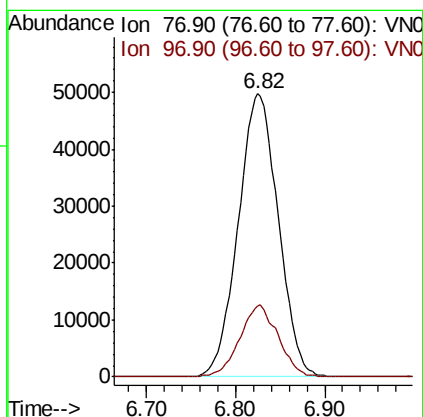
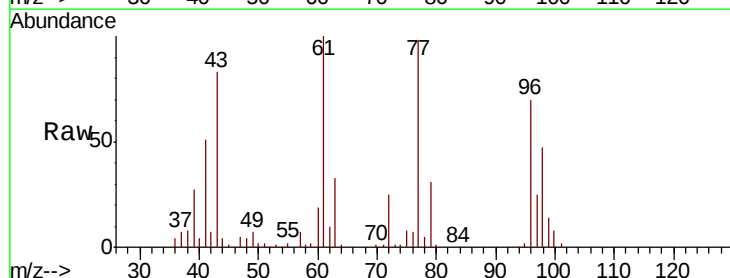
Instrument :
MSVOA_N
ClientSampled :

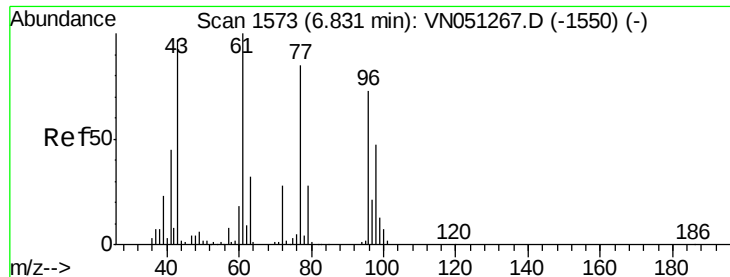
Tot Ion: 43 Resp: 172840
Ion Ratio Lower Upper
43 100
72 29.5 23.4 35.0



#26
2,2-Dichloropropane
Concen: 17.60 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 77 Resp: 154914
Ion Ratio Lower Upper
77 100
97 24.2 12.2 36.4

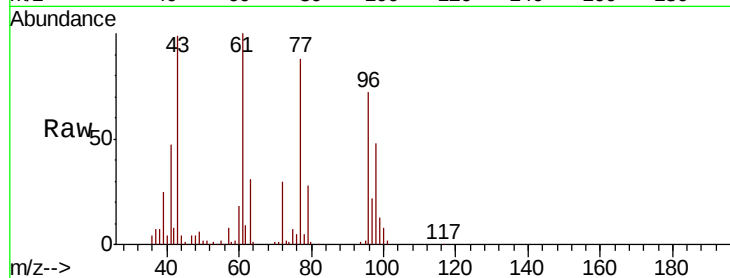




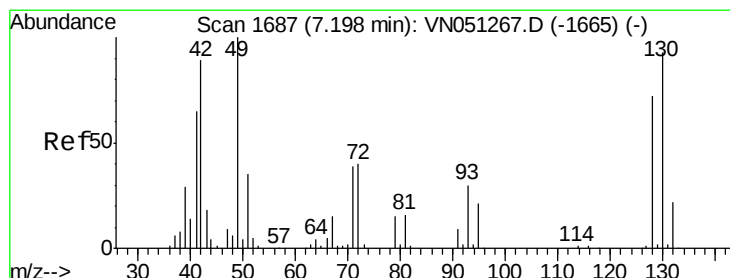
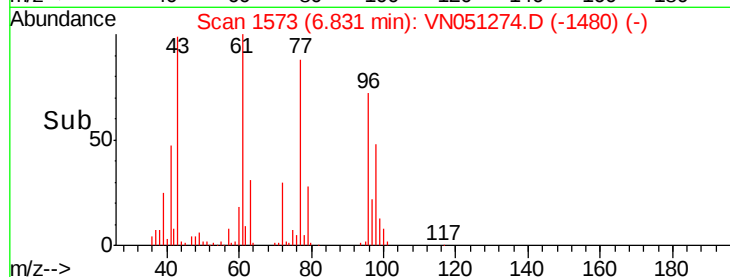
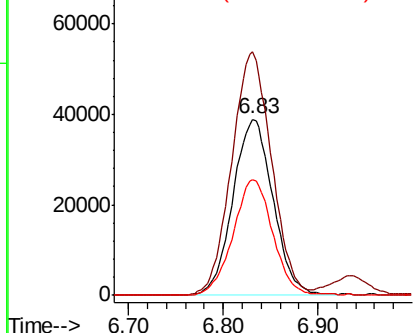
#27
 cis-1,2-Dichloroethene
 Concen: 17.31 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 96 Resp: 114788
 Ion Ratio Lower Upper
 96 100
 61 137.6 0.0 276.2
 98 65.0 0.0 129.2

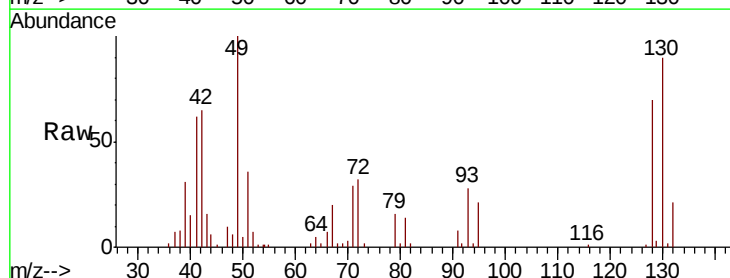


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

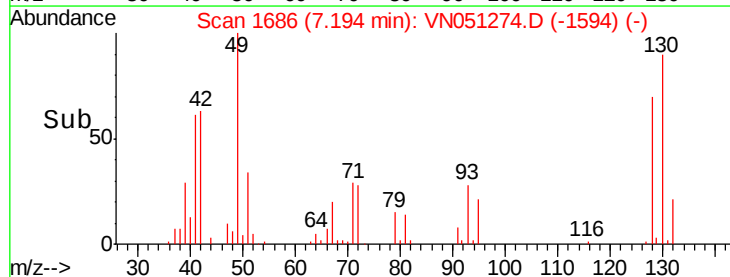
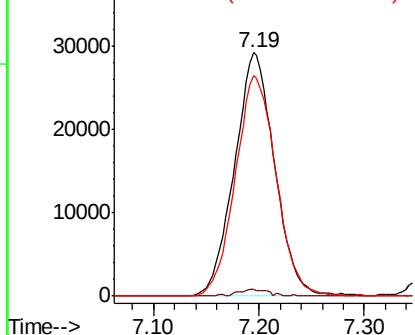


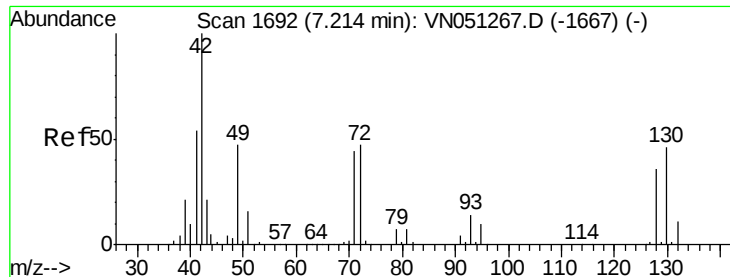
#28
 Bromochloromethane
 Concen: 16.15 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion: 49 Resp: 77011
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.6
 130 92.1 73.7 110.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

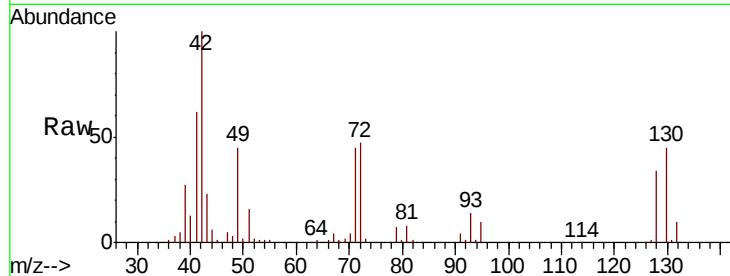




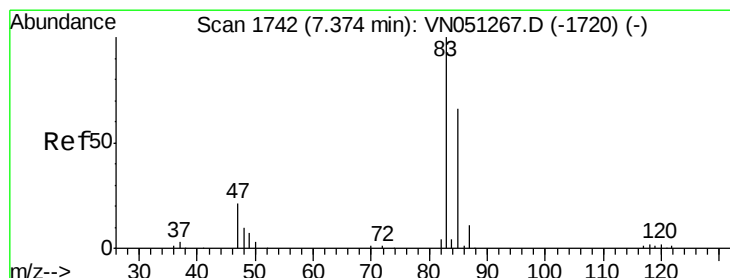
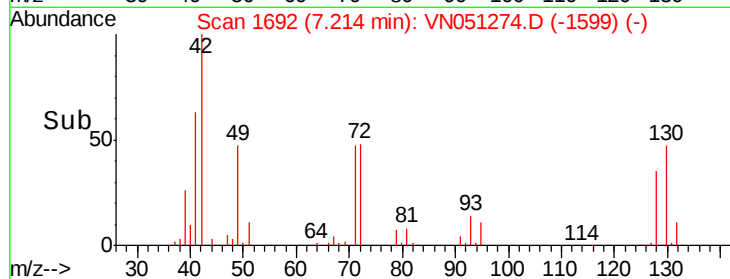
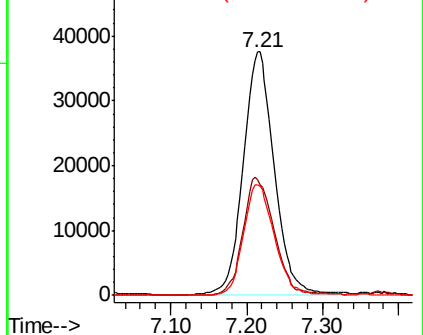
#29
Tetrahydrofuran
Concen: 89.02 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 107158
Ion Ratio Lower Upper
42 100
72 48.4 37.6 56.4
71 44.8 35.4 53.2

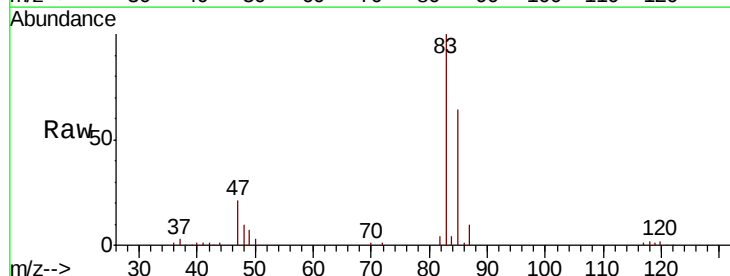


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

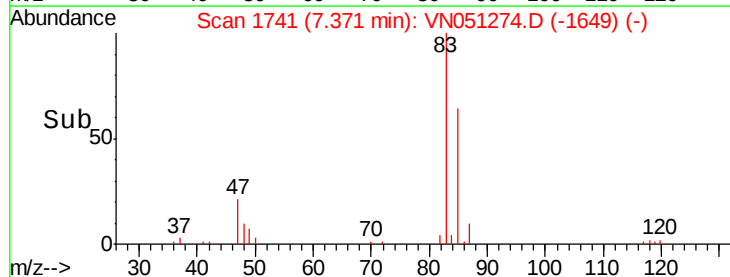
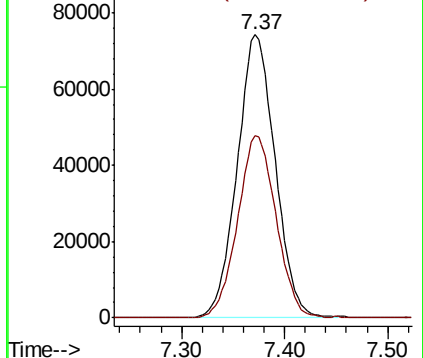


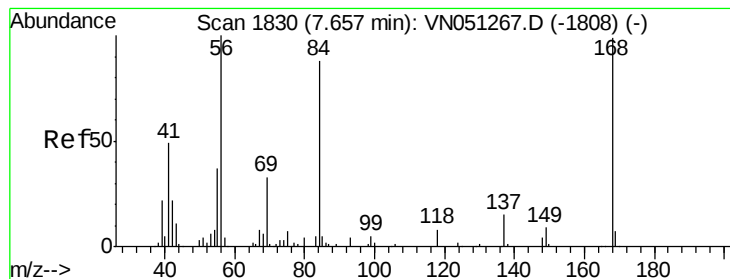
#30
Chloroform
Concen: 17.21 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 83 Resp: 190286
Ion Ratio Lower Upper
83 100
85 64.4 52.4 78.6



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 16.87 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampled :

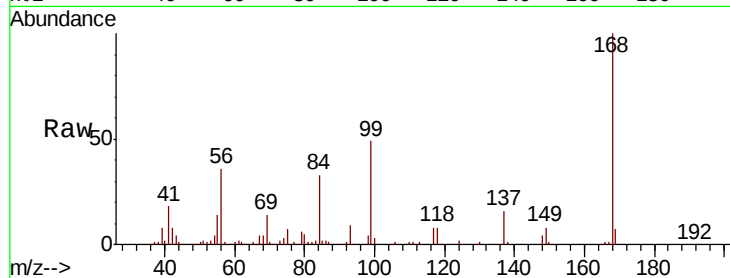
Tot Ion: 56 Resp: 165826

Ion Ratio Lower Upper

56 100

69 38.9 26.2 39.2

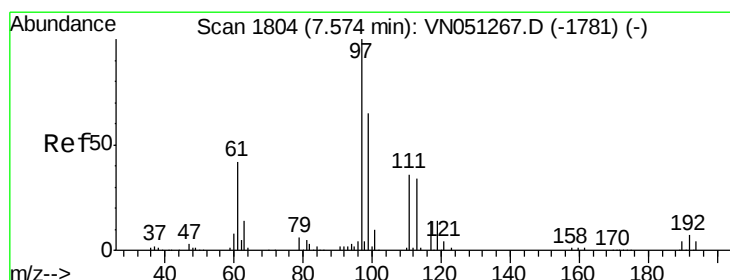
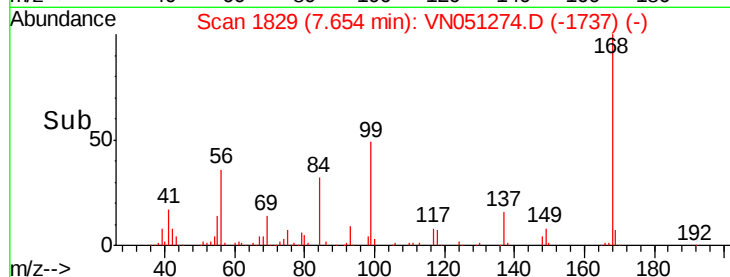
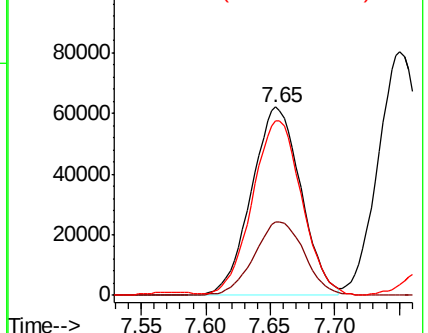
84 91.4 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VN051267.D (-1808) (-)

Ion 69.00 (68.70 to 69.70): VN051267.D (-1808) (-)

Ion 84.00 (83.70 to 84.70): VN051267.D (-1808) (-)



#32

1,1,1-Trichloroethane

Concen: 17.35 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

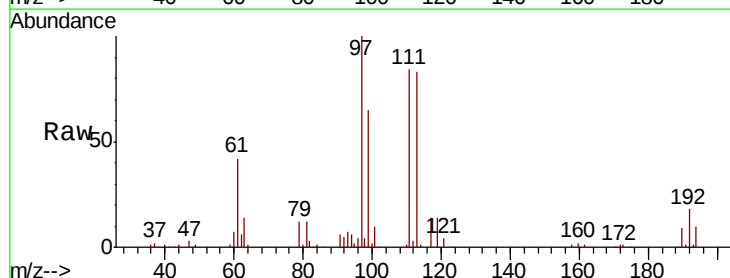
Tgt Ion: 97 Resp: 164656

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

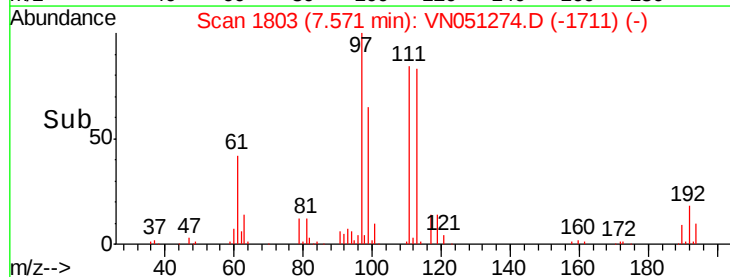
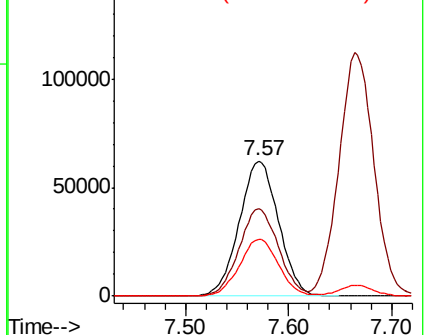
61 42.0 33.4 50.2

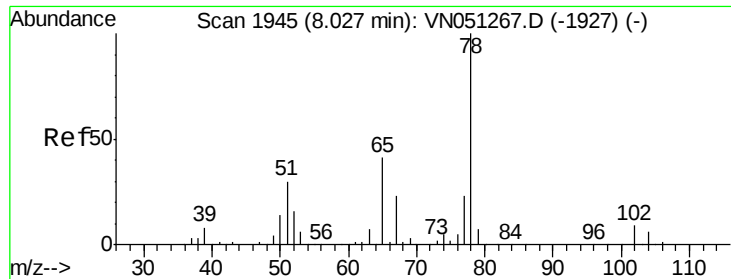


Abundance Ion 96.90 (96.60 to 97.60): VN051267.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN051267.D (-1781) (-)

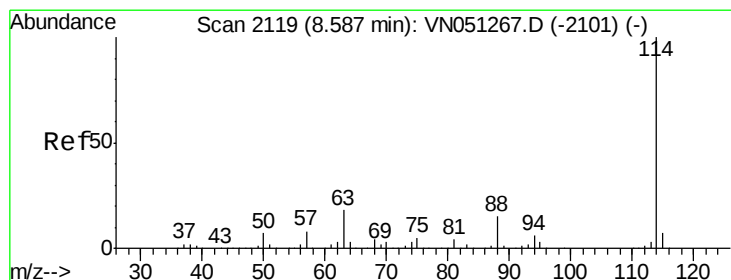
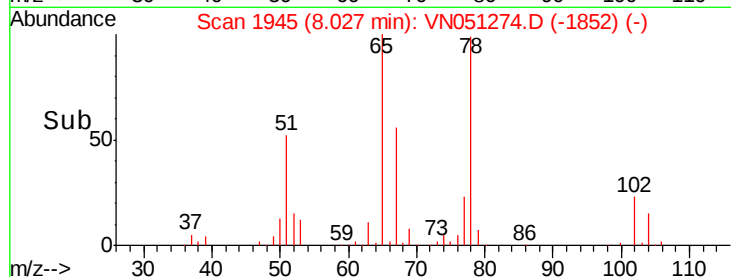
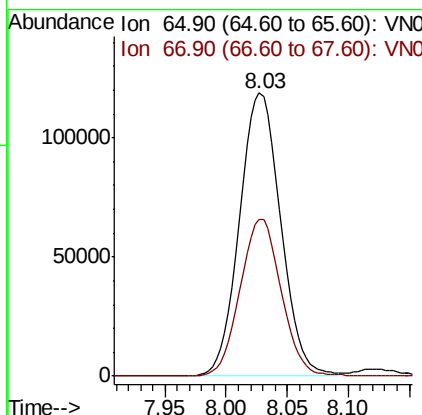
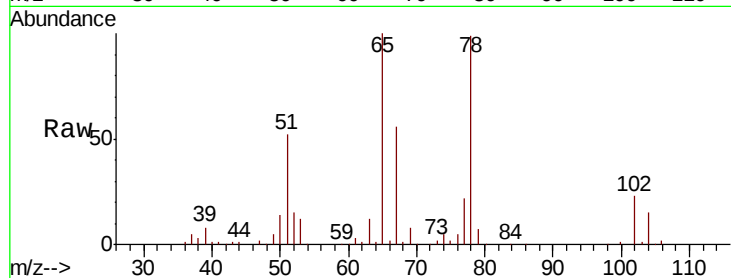




#33
 1,2-Dichloroethane-d4
 Concen: 45.73 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

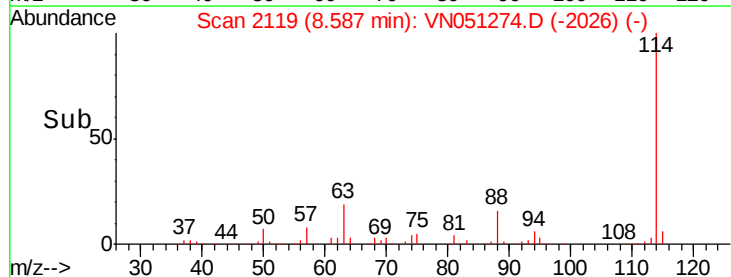
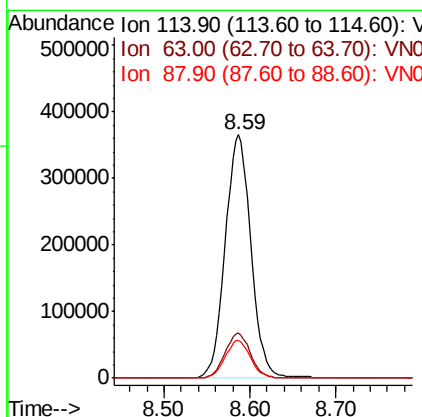
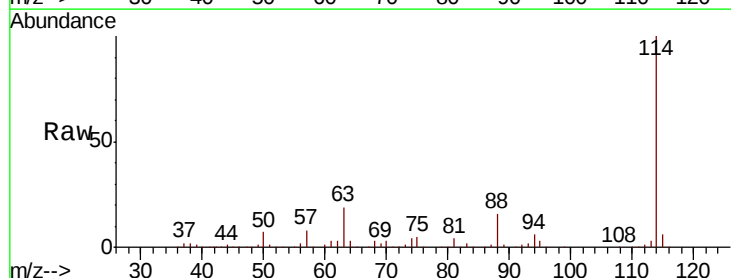
Instrument :
 MSVOA_N
 ClientSampleId :

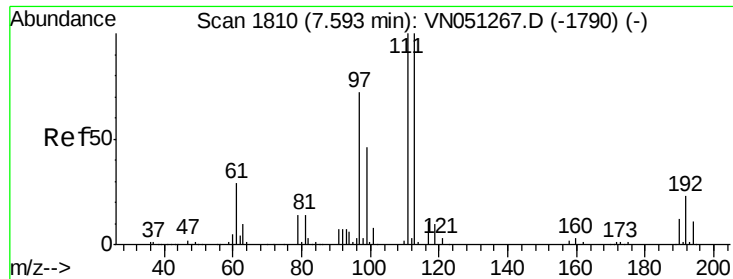
Tot Ion: 65 Resp: 277975
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion: 114 Resp: 759276
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 15.5 0.0 30.8

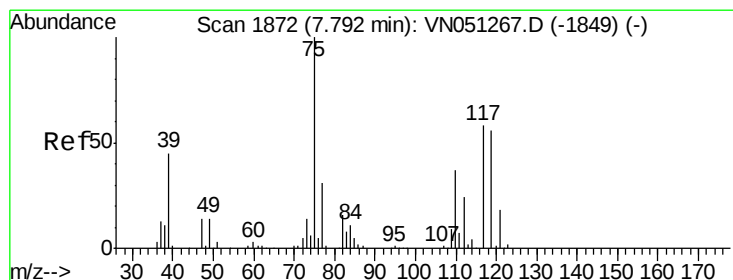
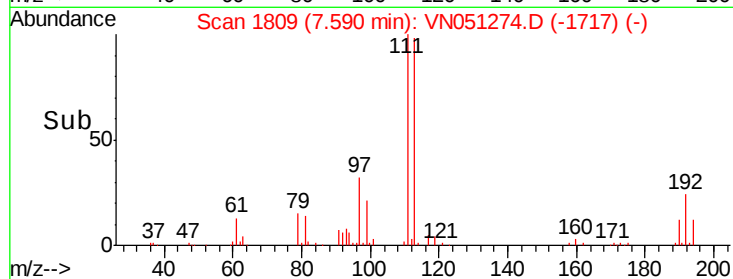
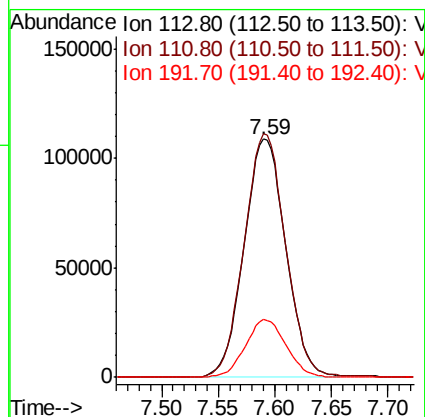
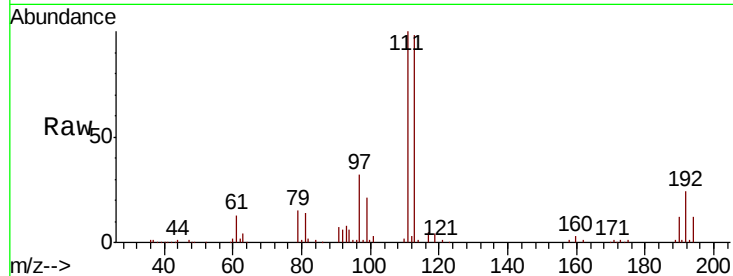




#35
 Dibromofluoromethane
 Concen: 47.21 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

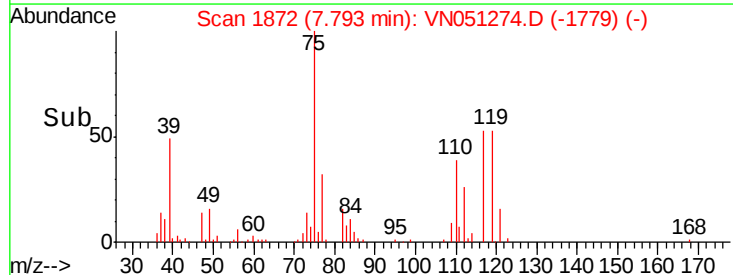
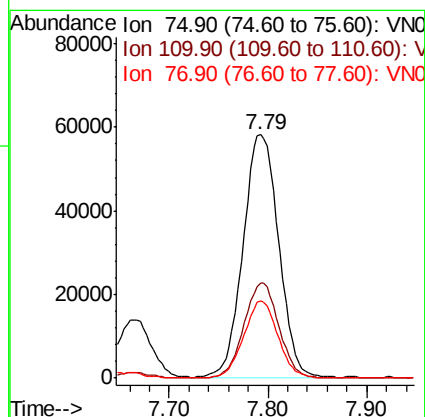
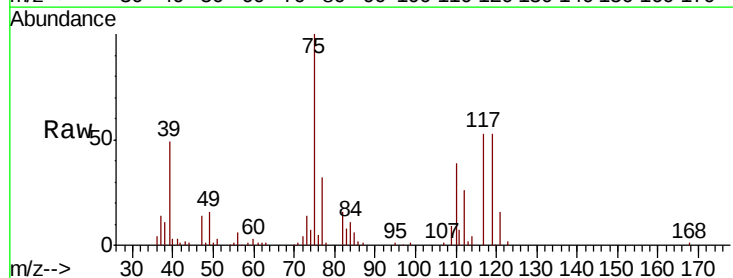
Instrument :
 MSVOA_N
 ClientSampled :

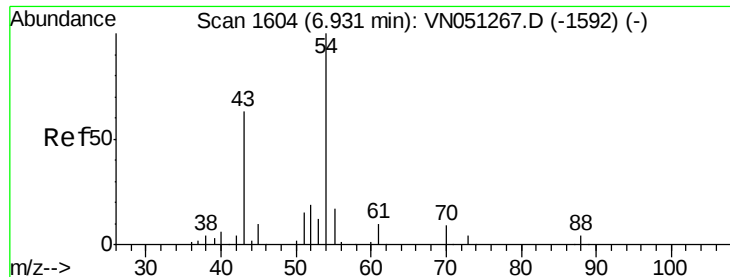
Tot Ion:113 Resp: 278573
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 23.8 19.0 28.6



#36
 1,1-Dichloropropene
 Concen: 17.59 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion: 75 Resp: 144558
 Ion Ratio Lower Upper
 75 100
 110 38.3 18.6 56.0
 77 30.9 24.7 37.1

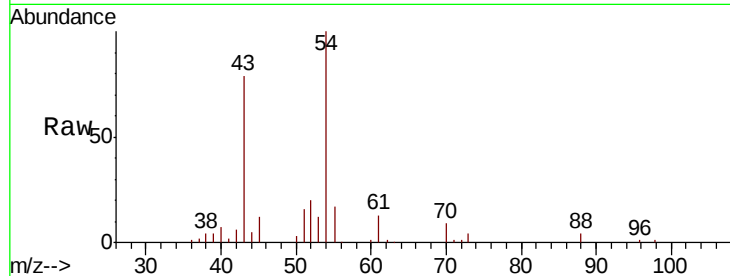




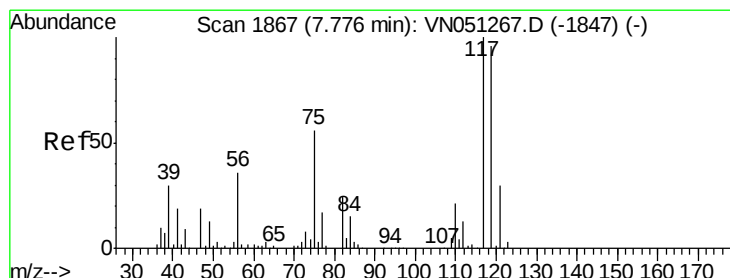
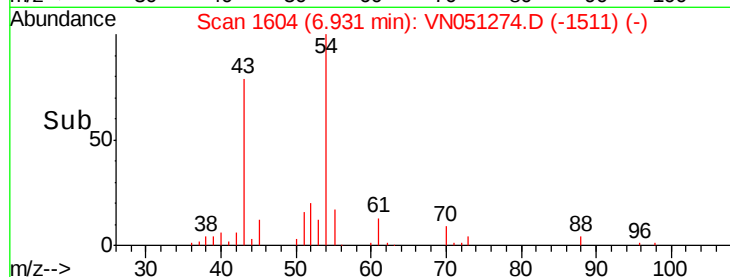
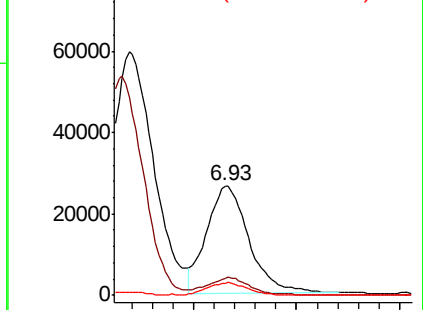
#37
Ethyl Acetate
Concen: 17.89 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 75604
Ion Ratio Lower Upper
43 100
61 14.1 12.3 18.5
70 11.2 9.4 14.0

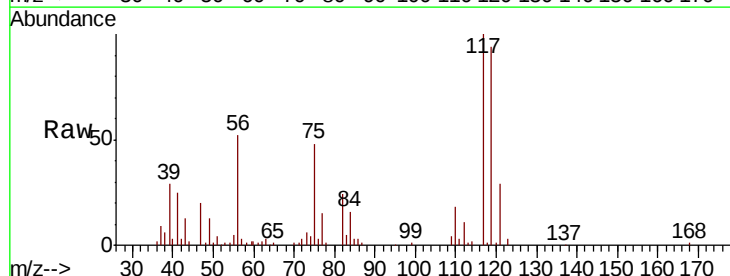


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

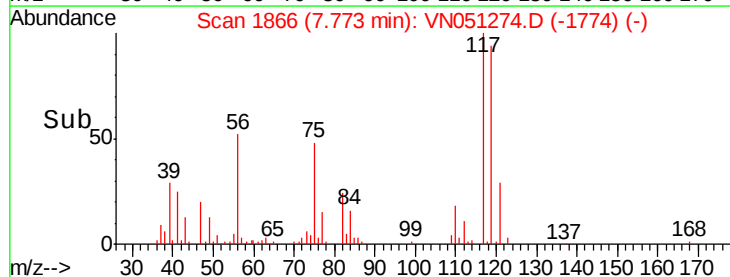
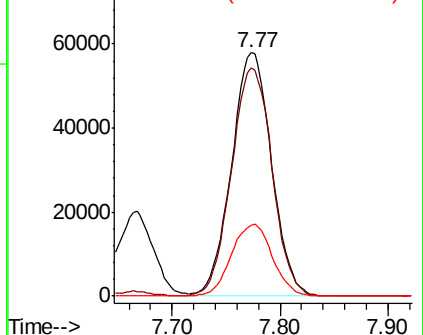


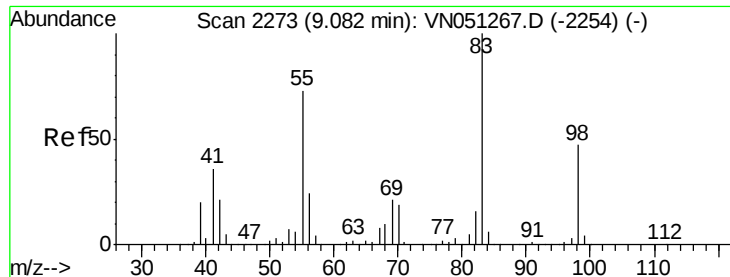
#38
Carbon Tetrachloride
Concen: 17.49 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 117 Resp: 149858
Ion Ratio Lower Upper
117 100
119 93.5 76.8 115.2
121 29.2 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

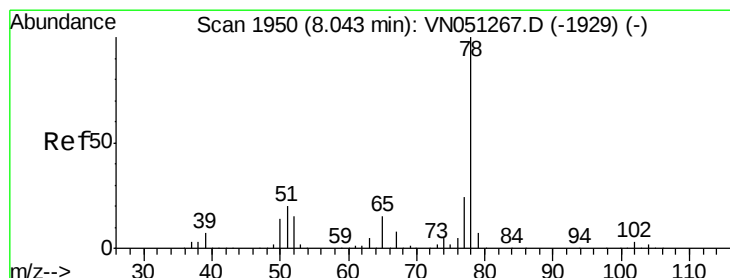
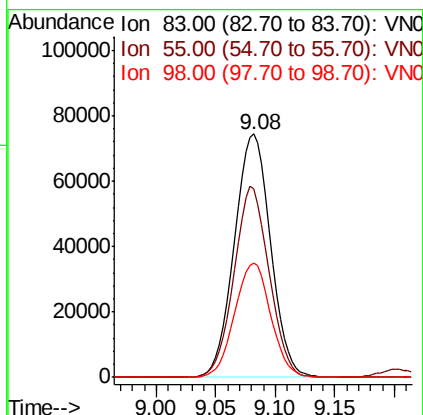
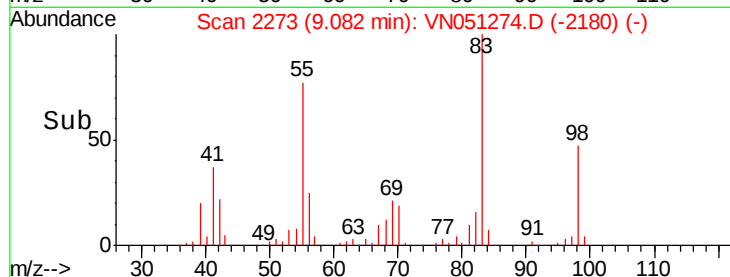
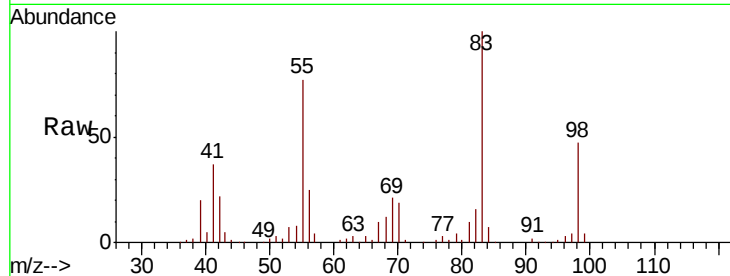




#39
Methvlcvclohexane
Concen: 17.62 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

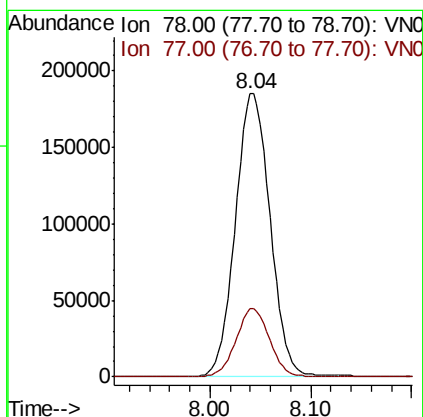
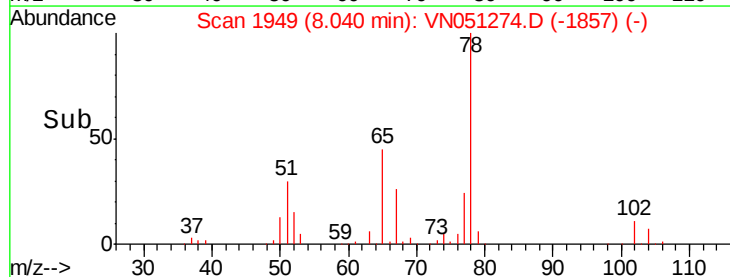
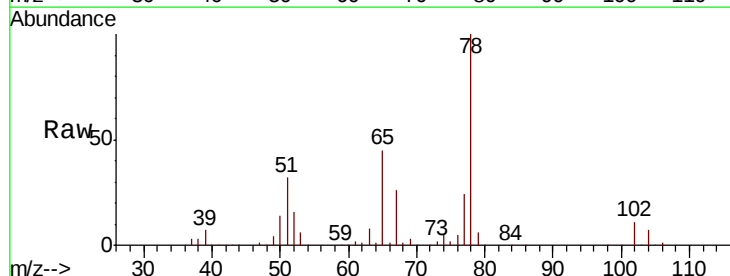
Instrument :
MSVOA_N
ClientSampled :

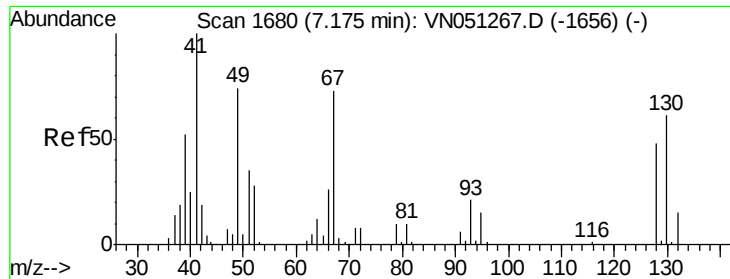
Tot Ion: 83 Resp: 157353
Ion Ratio Lower Upper
83 100
55 77.2 58.7 88.1
98 47.0 37.3 55.9



#40
Benzene
Concen: 18.10 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 78 Resp: 442553
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

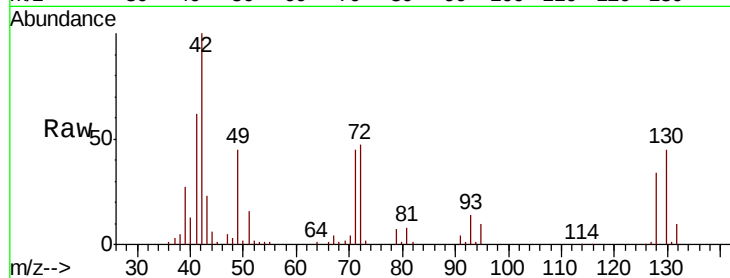




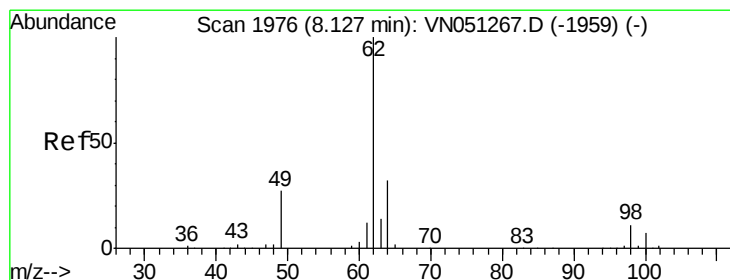
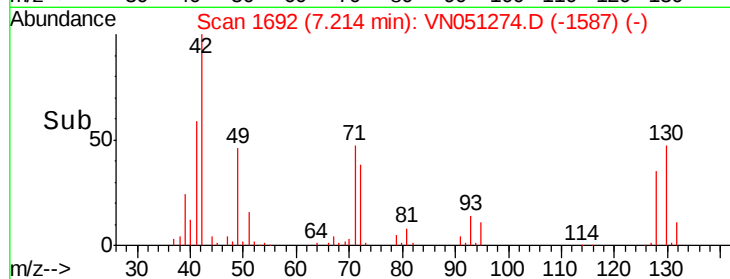
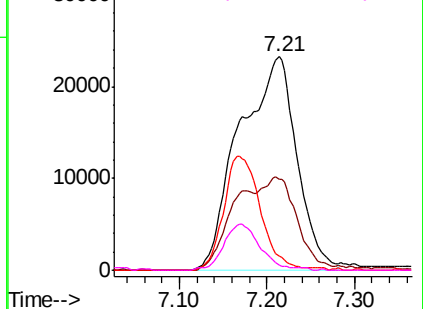
#41
Methacrylonitrile
Concen: 48.55 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 105274
Ion Ratio Lower Upper
41 100
39 0.0 47.8 71.6#
67 0.0 69.8 104.6#
52 0.0 26.6 40.0#

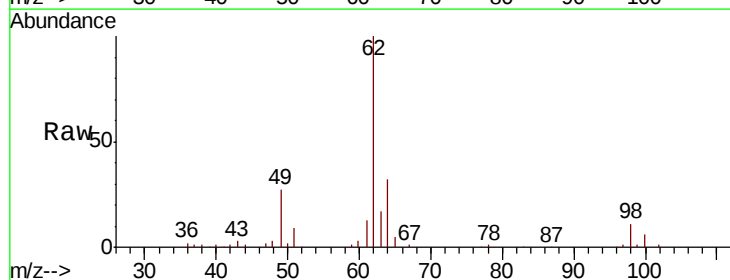


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

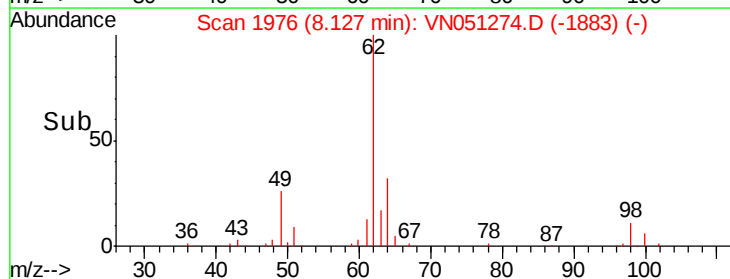
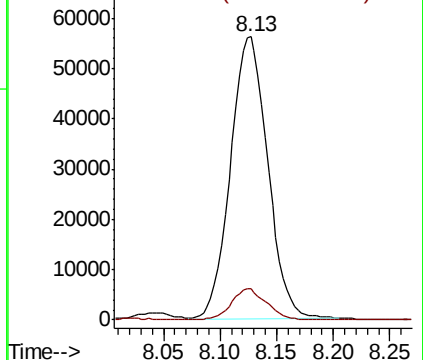


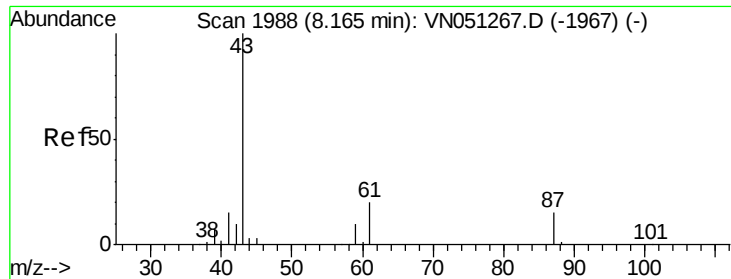
#42
1,2-Dichloroethane
Concen: 17.90 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 62 Resp: 128675
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: 18.11 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

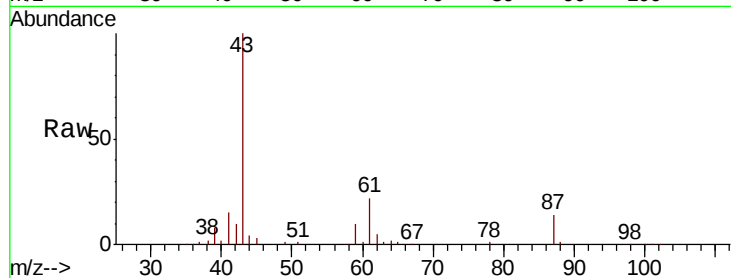
Tot Ion: 43 Resp: 132410

Ion Ratio Lower Upper

43 100

61 20.7 17.4 26.2

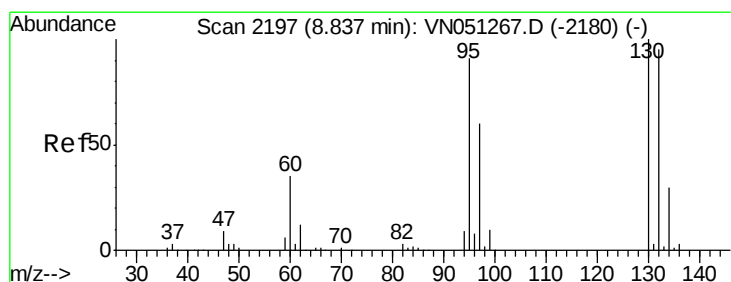
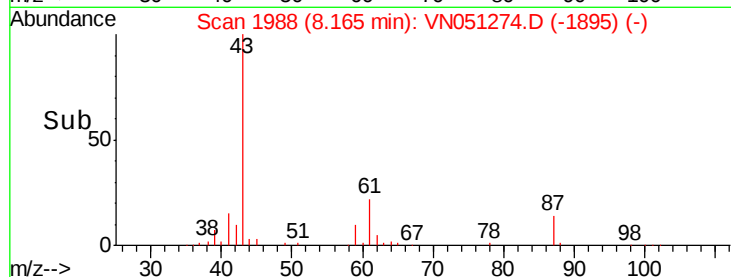
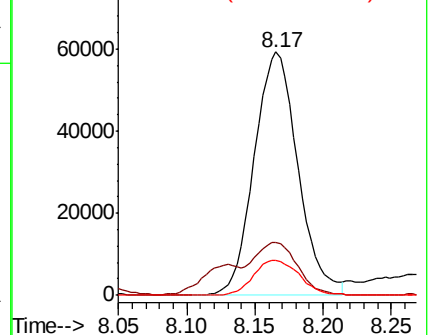
87 15.0 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN051274.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051274.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051274.D (-1967) (-)



#44

Trichloroethene

Concen: 17.30 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051274.D

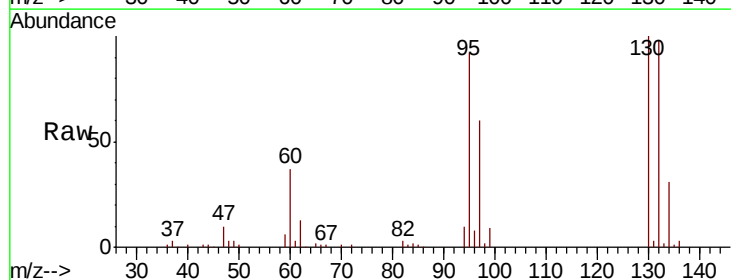
Acq: 17 Sep 2018 16:59

Tgt Ion:130 Resp: 118898

Ion Ratio Lower Upper

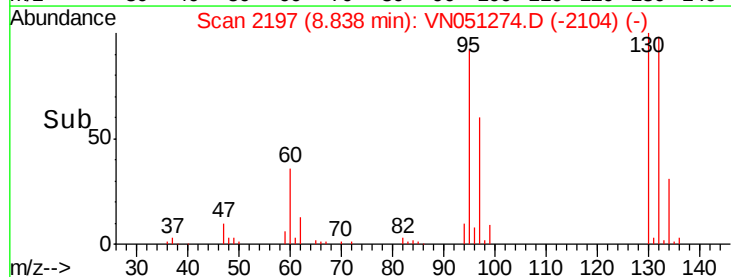
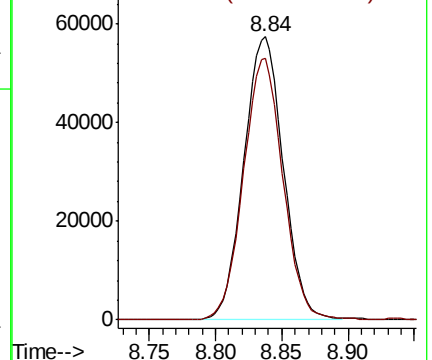
130 100

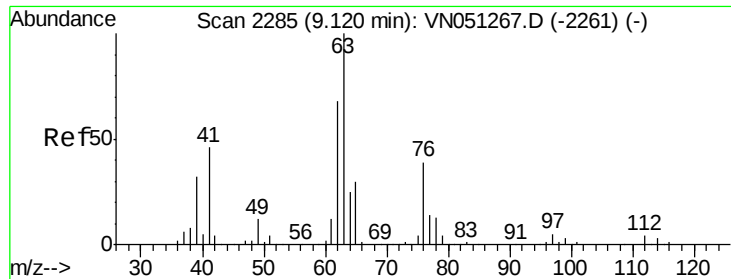
95 92.5 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN051274.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051274.D (-2180) (-)

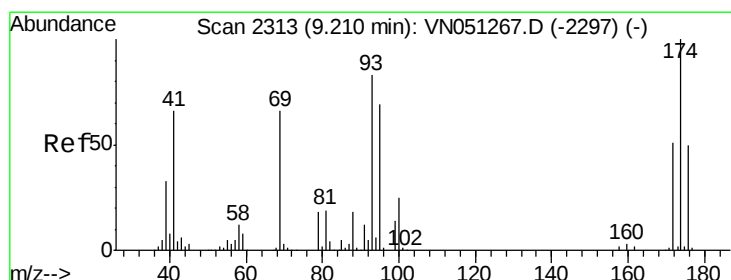
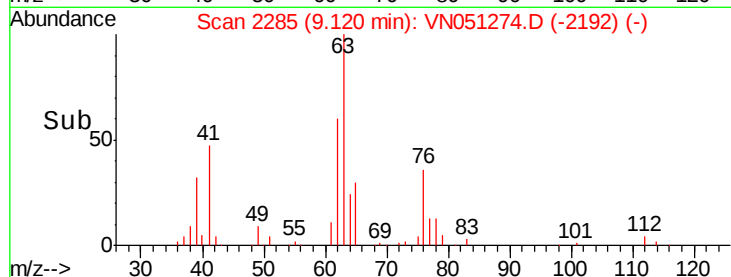
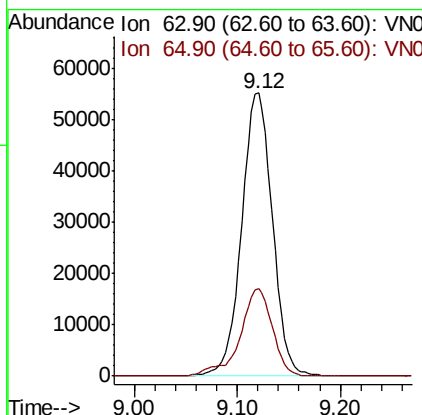
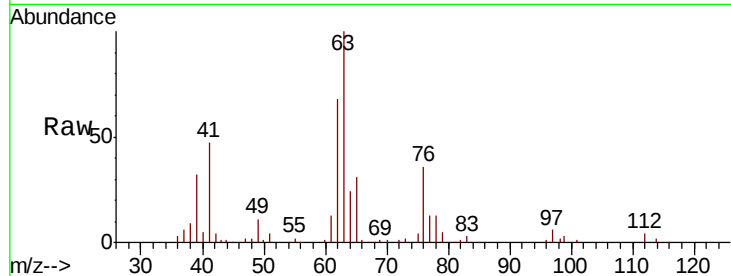




#45
 1,2-Dichloropropane
 Concen: 18.46 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

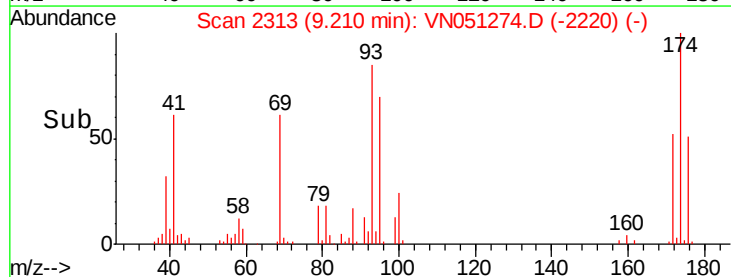
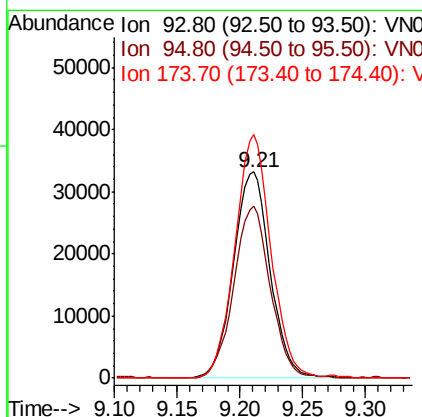
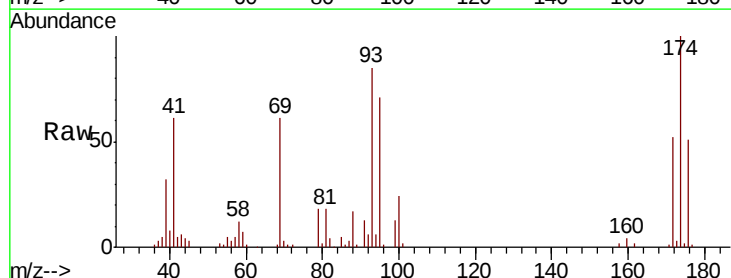
Instrument :
 MSVOA_N
 ClientSampleId :

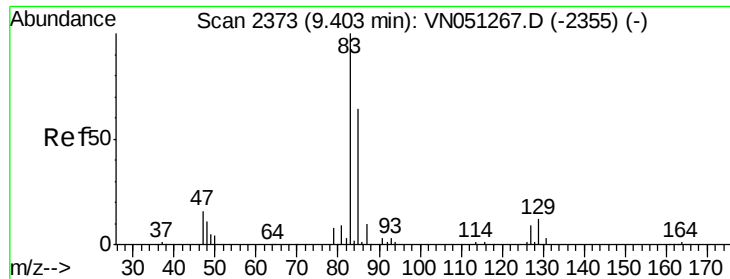
Tot Ion: 63 Resp: 114463
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.4



#46
 Dibromomethane
 Concen: 17.92 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion: 93 Resp: 67676
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.6 100.0
 174 115.8 95.6 143.4

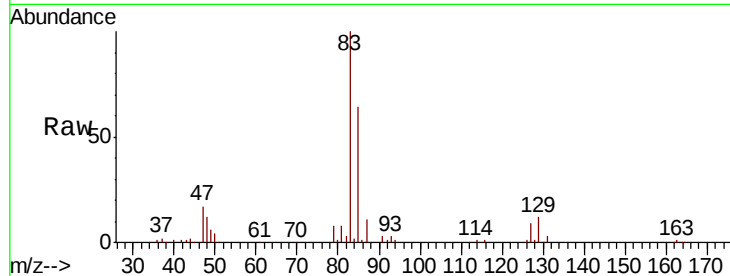




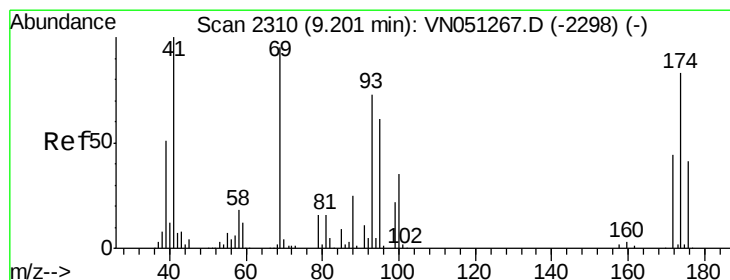
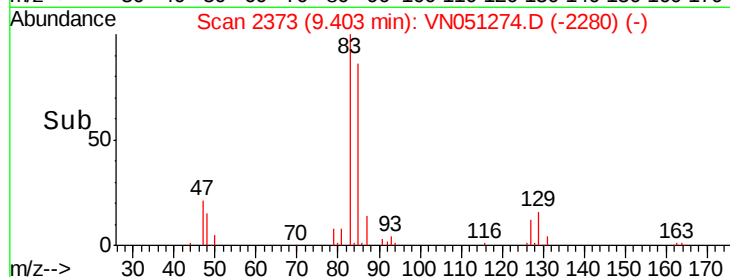
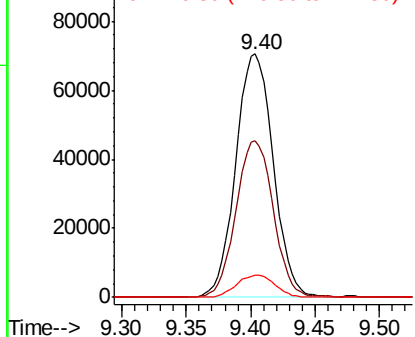
#47
Bromodichloromethane
Concen: 17.76 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 142983
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4
127 9.1 7.1 10.7

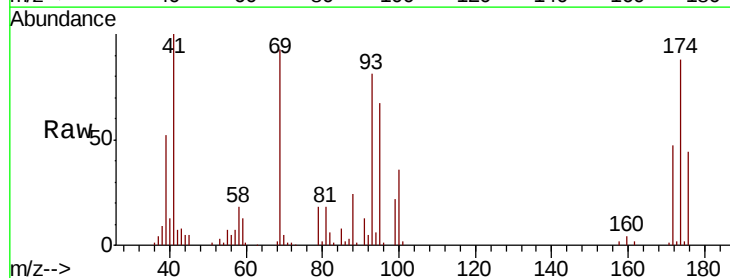


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

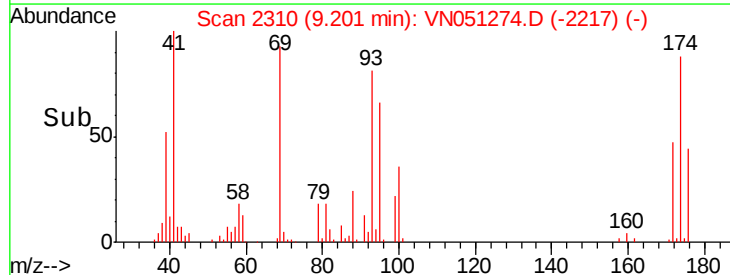
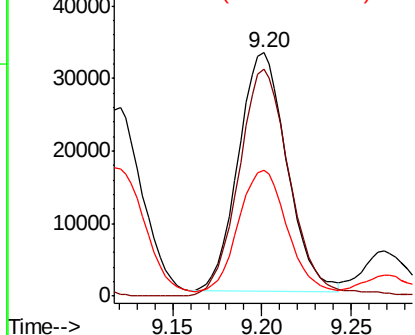


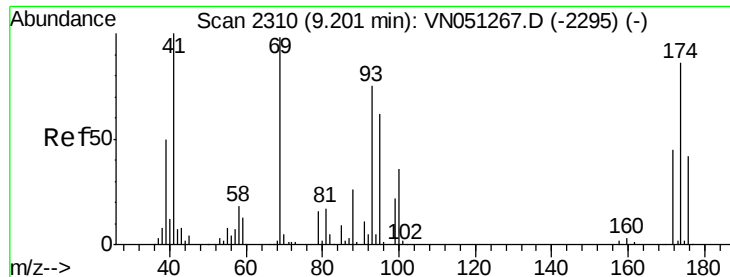
#48
Methyl methacrylate
Concen: 17.84 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 41 Resp: 62800
Ion Ratio Lower Upper
41 100
69 100.4 78.9 118.3
39 53.7 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 357.71 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :
MSVOA_N
ClientSampleId :

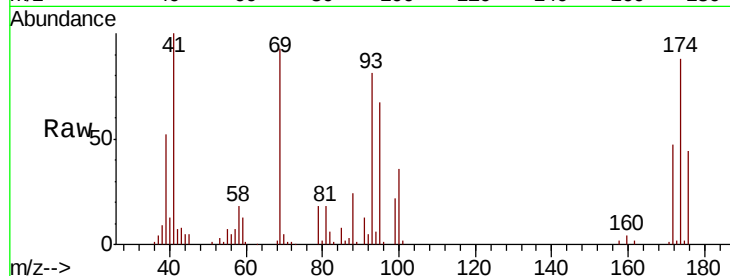
Tot Ion: 88 Resp: 18222

Ion Ratio Lower Upper

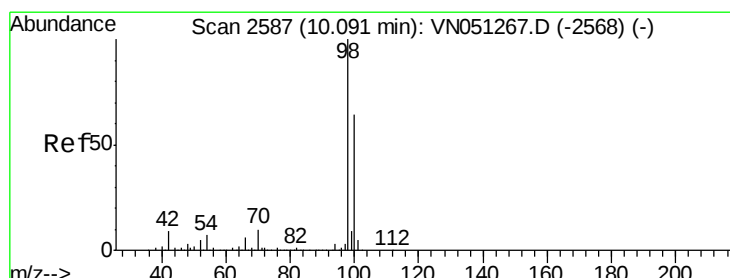
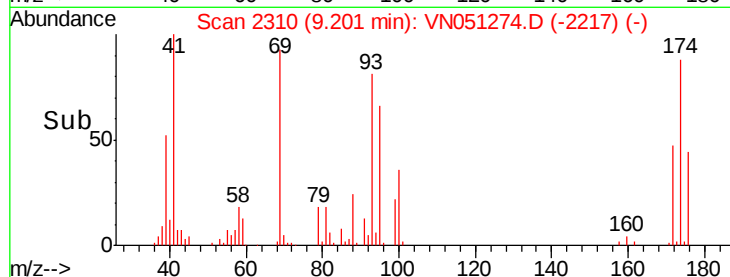
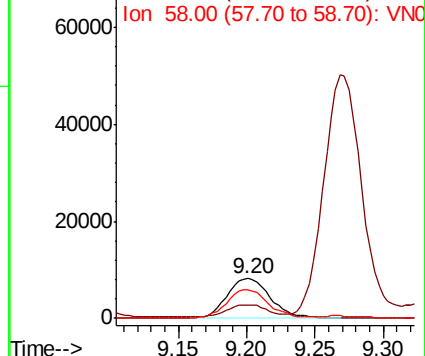
88 100

43 27.5 25.3 37.9

58 69.0 54.9 82.3



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.91 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051274.D

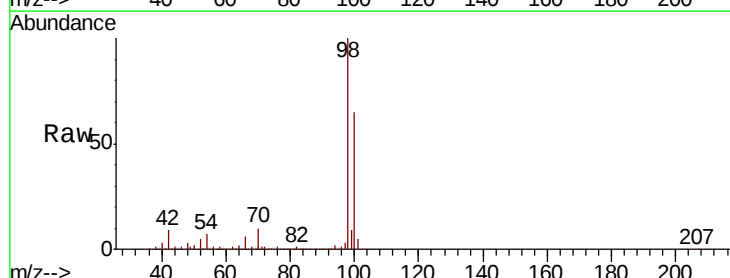
Acq: 17 Sep 2018 16:59

Tgt Ion: 98 Resp: 1044823

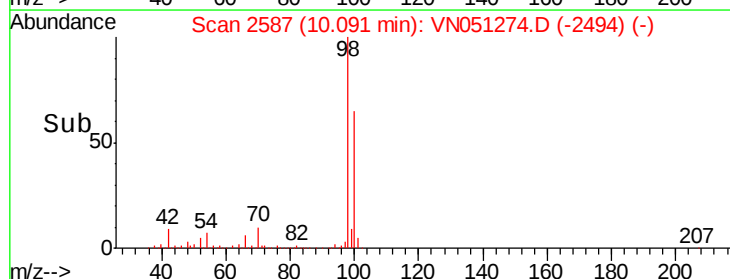
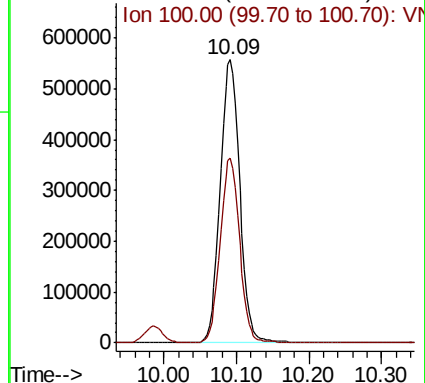
Ion Ratio Lower Upper

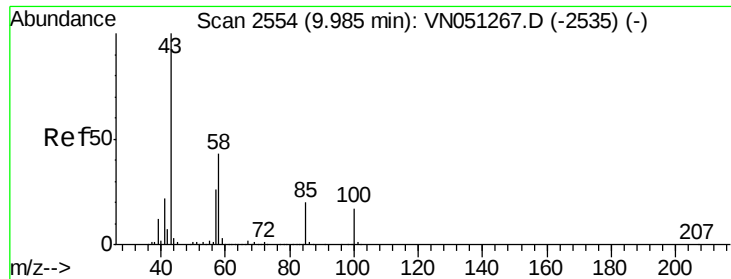
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.39 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

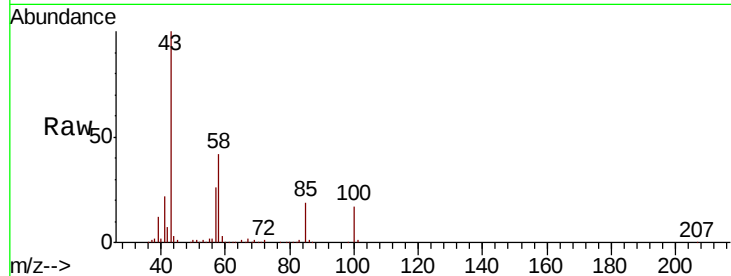
ClientSampleId :

Tot Ion: 43 Resp: 363614

Ion Ratio Lower Upper

43 100

58 41.8 33.8 50.6



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2535) (-)

9.99

200000

150000

100000

50000

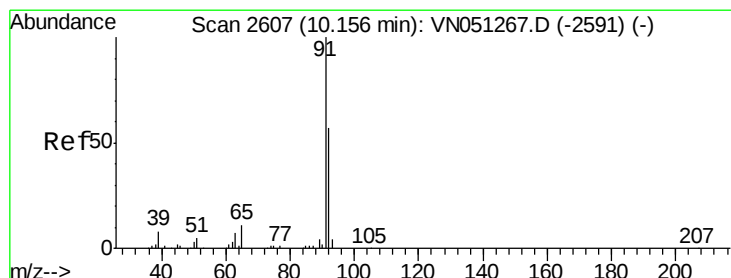
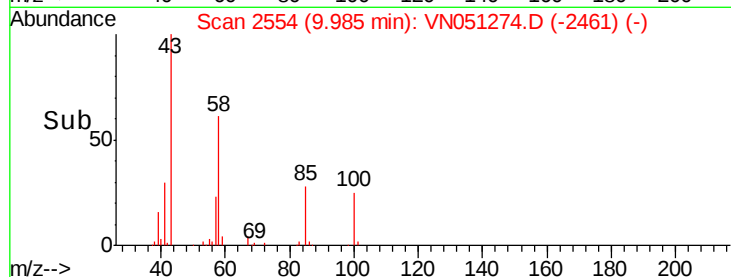
0

Time-->

9.90

10.00

10.10



#52

Toluene

Concen: 18.66 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051274.D

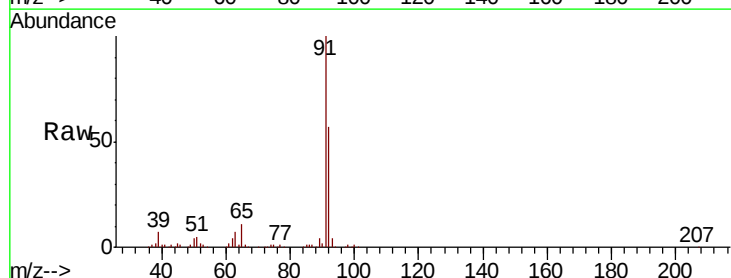
Acq: 17 Sep 2018 16:59

Tgt Ion: 92 Resp: 273119

Ion Ratio Lower Upper

92 100

91 174.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN051267.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN051267.D (-2591) (-)

10.16

300000

250000

200000

150000

100000

50000

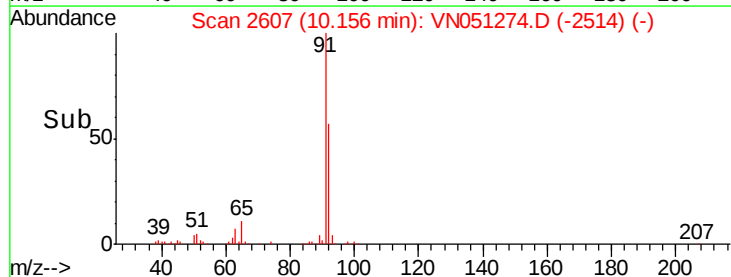
0

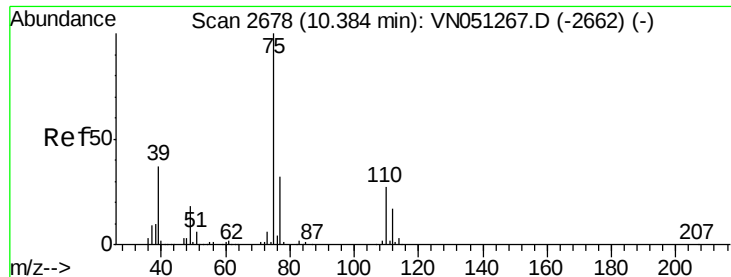
Time-->

10.10

10.20

10.30





#53

t-1,3-Dichloropropene

Concen: 17.83 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

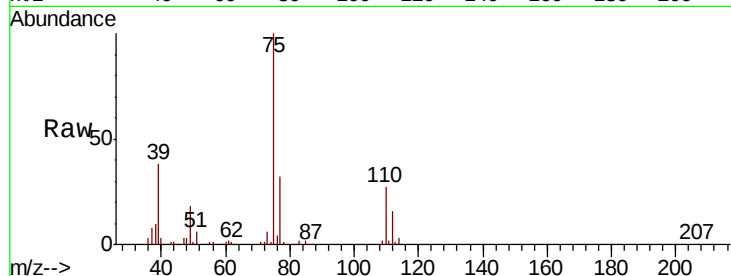
ClientSampleId :

Tot Ion: 75 Resp: 134860

Ion Ratio Lower Upper

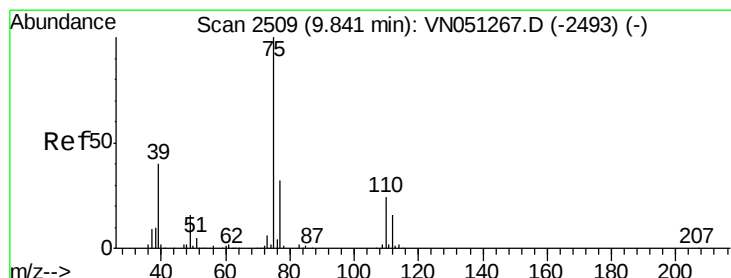
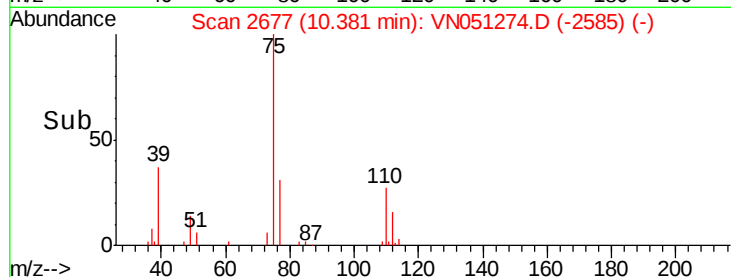
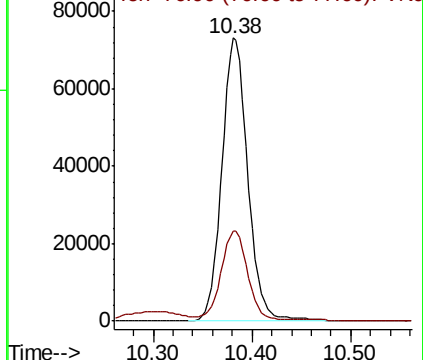
75 100

77 31.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.78 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

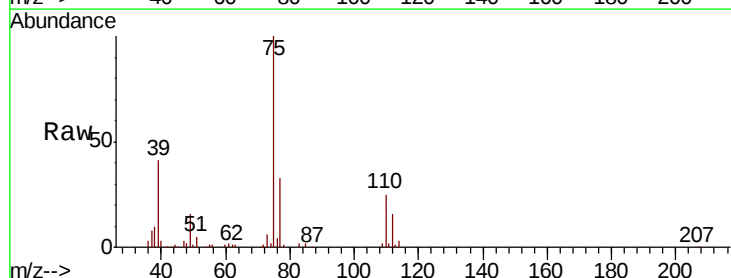
Tgt Ion: 75 Resp: 160585

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.8

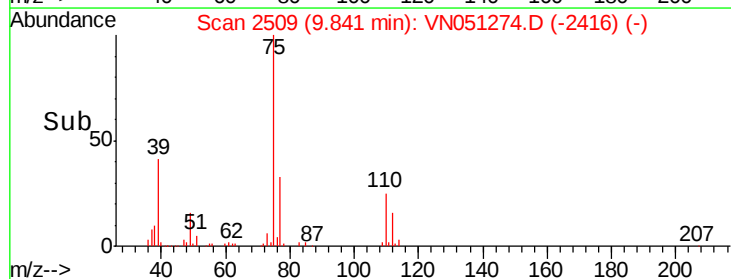
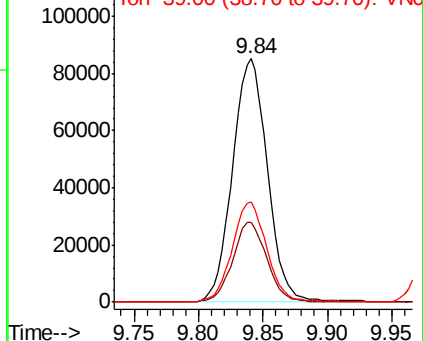
39 41.0 31.8 47.8

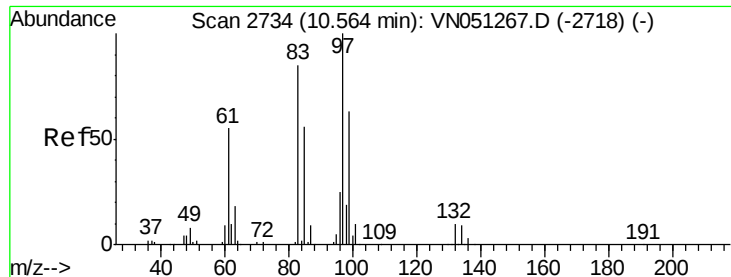


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.33 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 95972

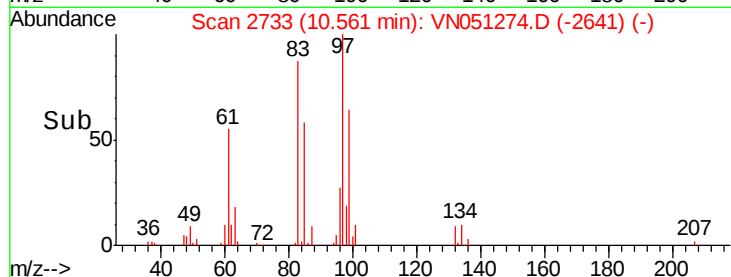
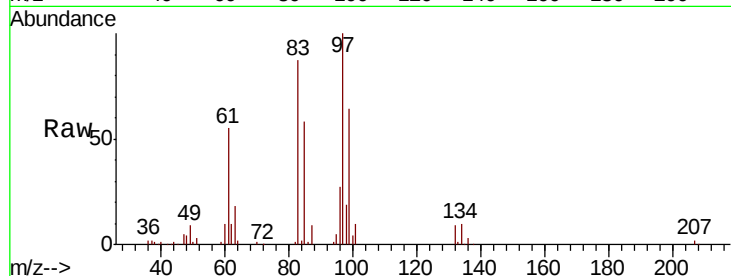
Ion	Ratio	Lower	Upper
97	100		
83	86.9	67.7	101.5
85	57.8	44.5	66.7
99	64.5	50.4	75.6

97 100

83 86.9 67.7 101.5

85 57.8 44.5 66.7

99 64.5 50.4 75.6

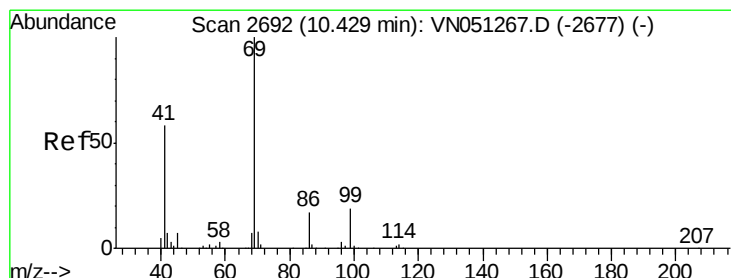
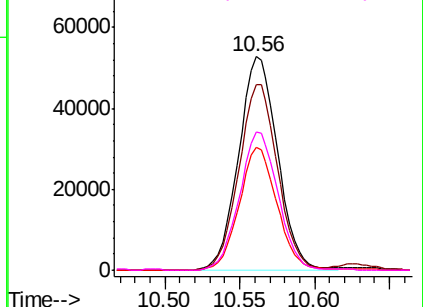


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.02 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

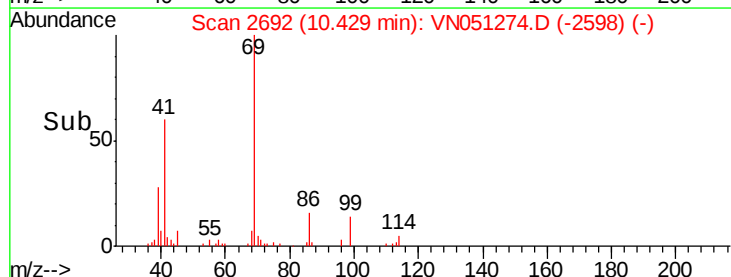
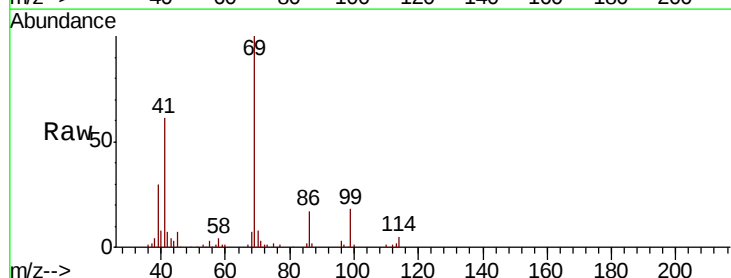
Tgt Ion: 69 Resp: 103875

Ion	Ratio	Lower	Upper
69	100		
41	59.3	47.4	71.0
39	30.5	23.7	35.5

69 100

41 59.3 47.4 71.0

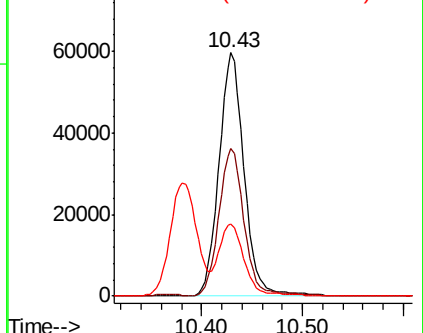
39 30.5 23.7 35.5

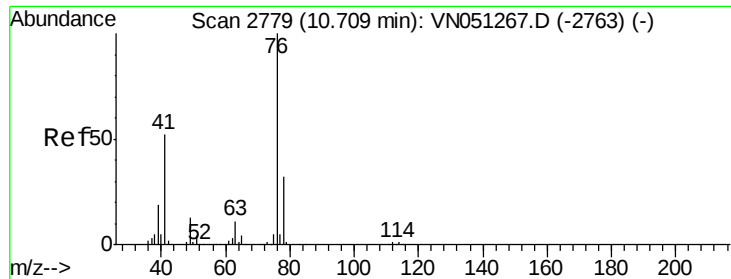


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.54 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

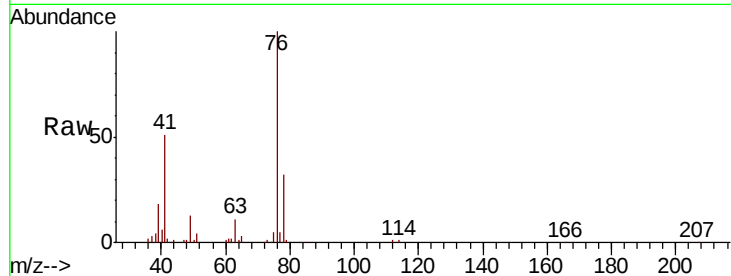
ClientSampled :

Tot Ion: 76 Resp: 158121

Ion Ratio Lower Upper

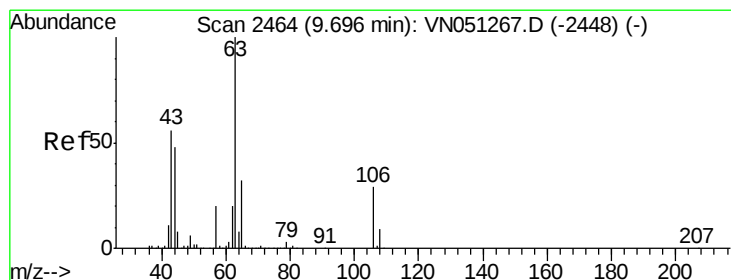
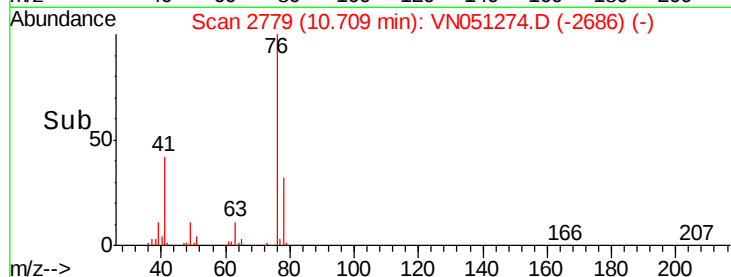
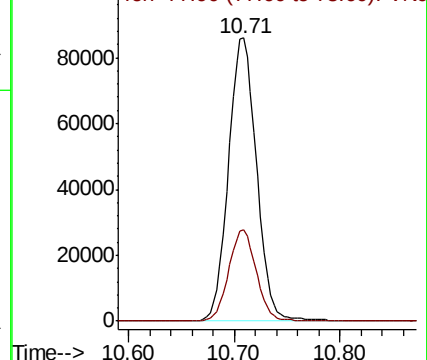
76 100

78 31.6 25.8 38.6



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: 93.48 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051274.D

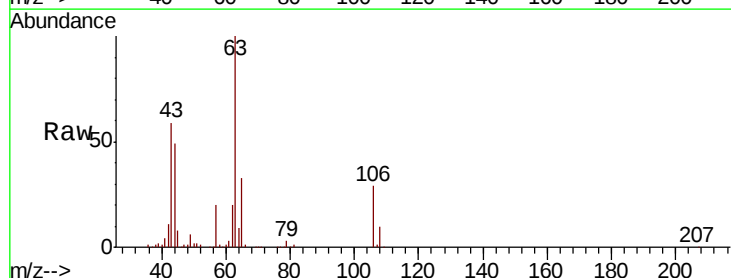
Acq: 17 Sep 2018 16:59

Tgt Ion: 63 Resp: 260603

Ion Ratio Lower Upper

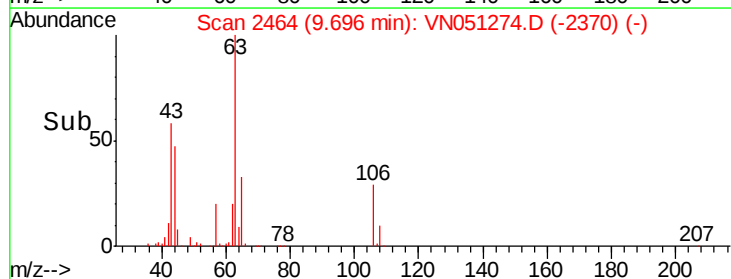
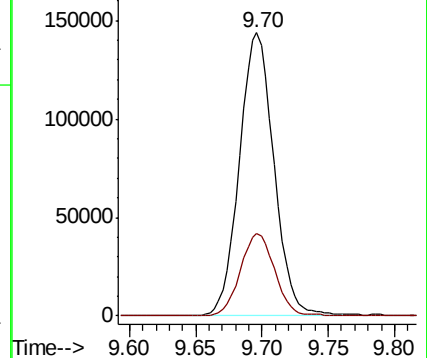
63 100

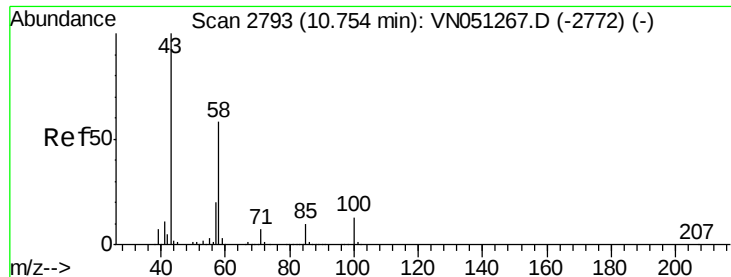
106 29.1 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

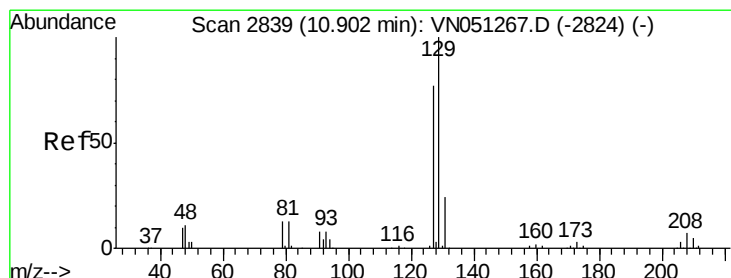
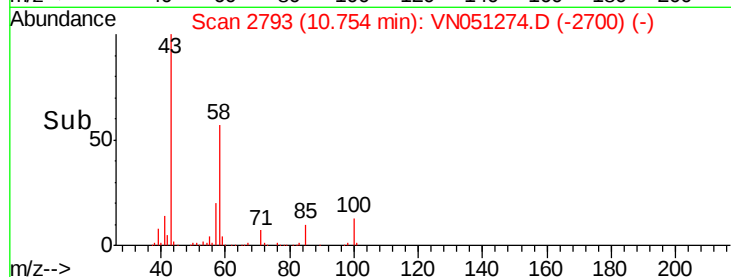
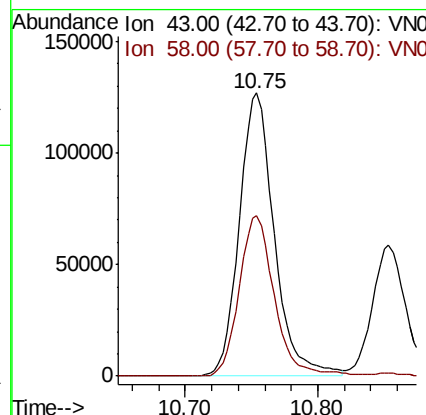
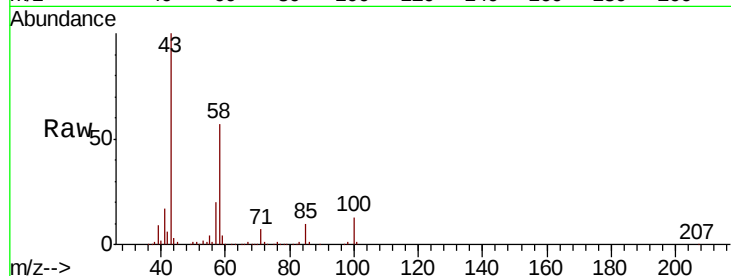




#59
2-Hexanone
Concen: 92.98 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

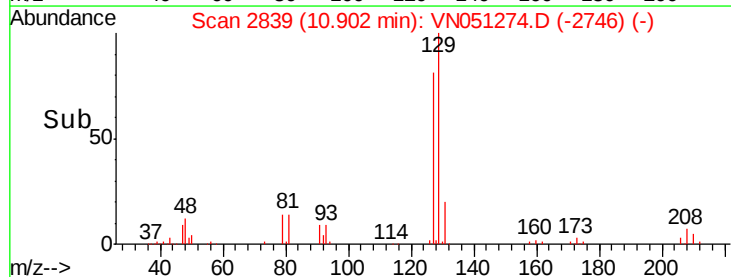
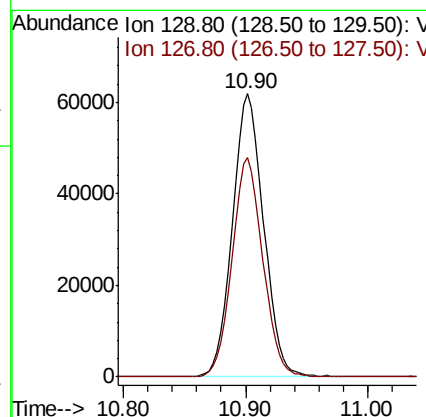
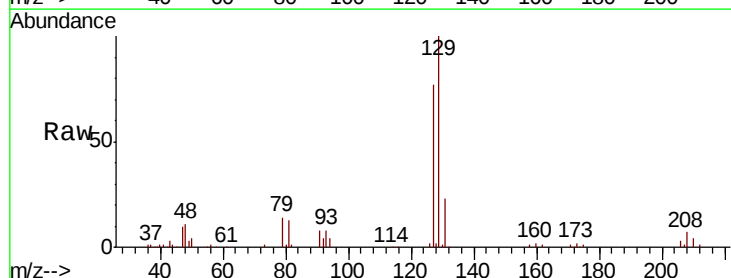
Instrument :
MSVOA_N
ClientSampled :

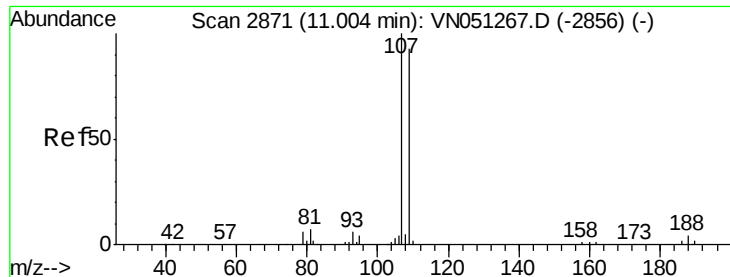
Tot Ion: 43 Resp: 230941
Ion Ratio Lower Upper
43 100
58 57.5 28.9 86.8



#60
Dibromochloromethane
Concen: 17.88 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 129 Resp: 110171
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.23 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

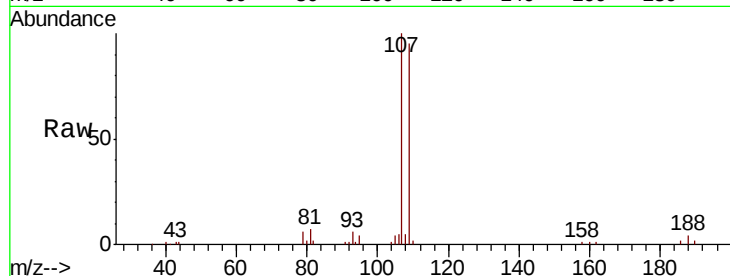
ClientSampled :

Tot Ion: 107 Resp: 91734

Ion Ratio Lower Upper

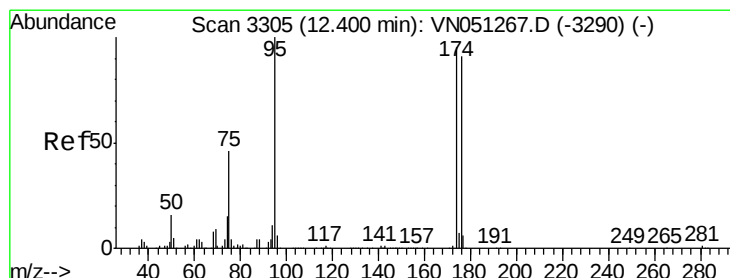
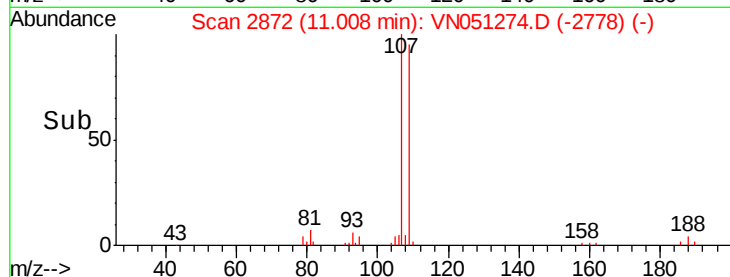
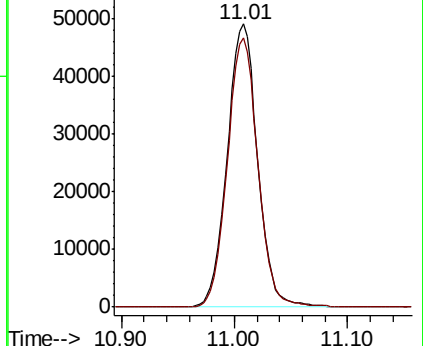
107 100

109 95.2 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.28 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

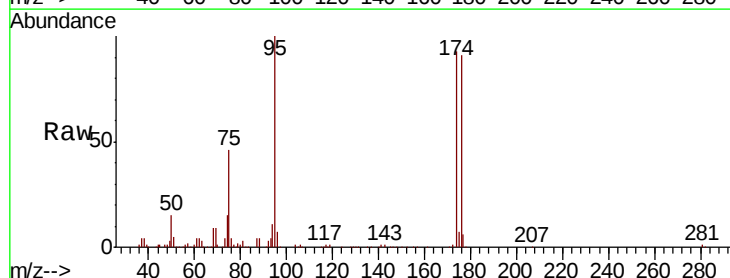
Tgt Ion: 95 Resp: 321025

Ion Ratio Lower Upper

95 100

174 94.0 0.0 189.6

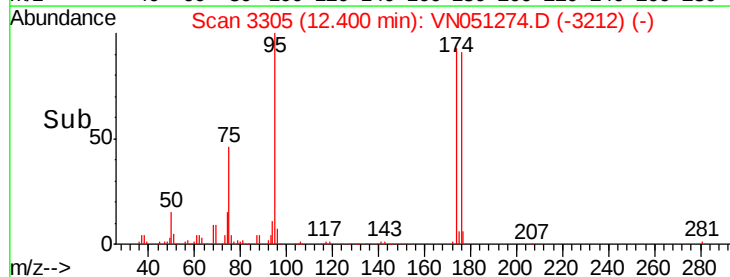
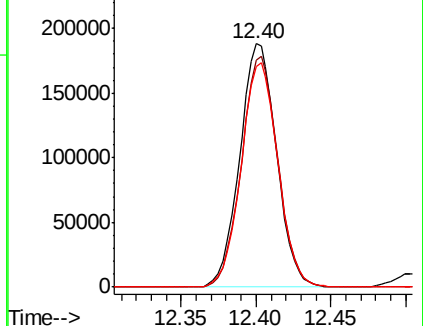
176 92.3 0.0 182.6

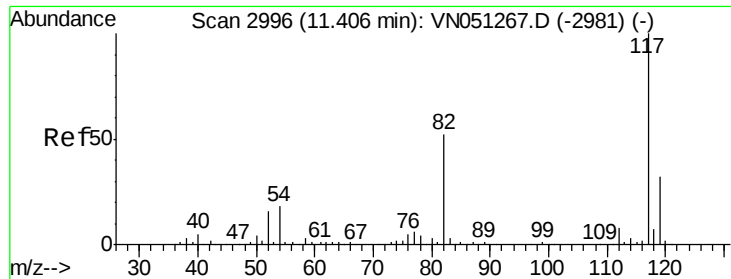


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

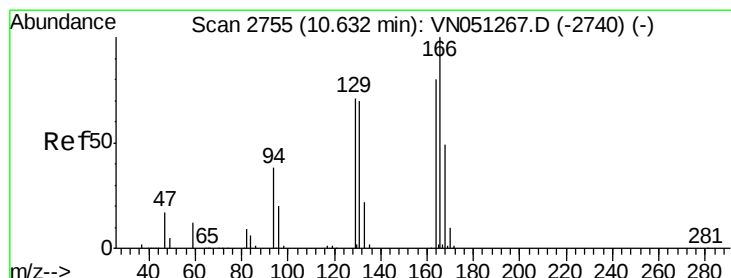
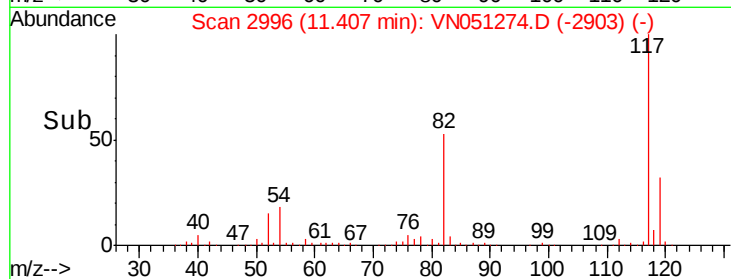
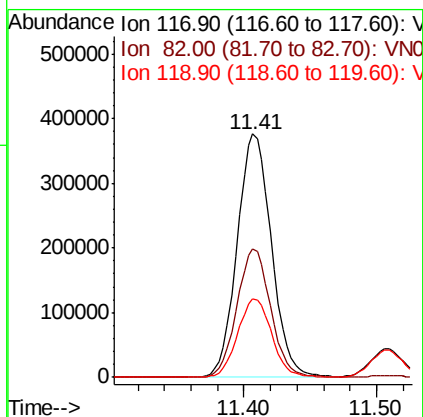
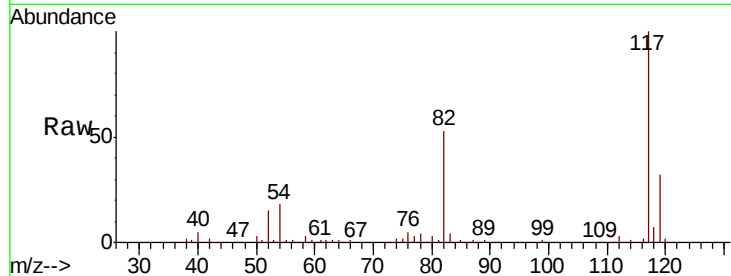




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

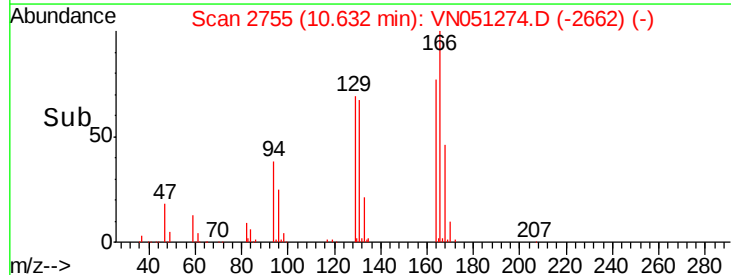
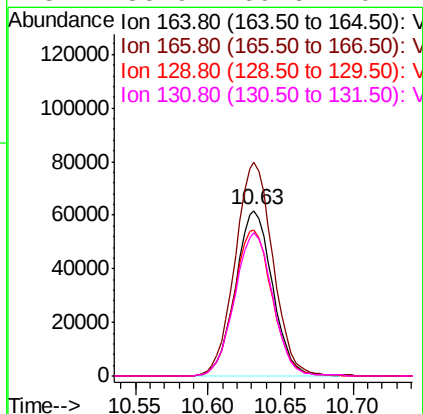
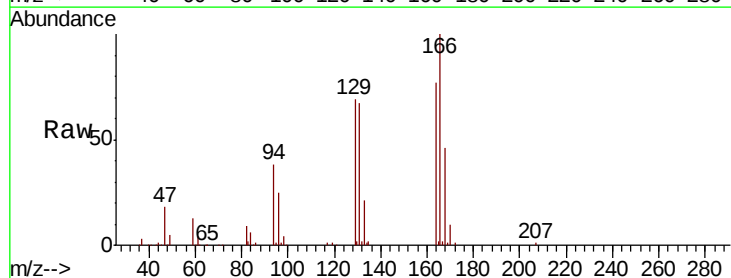
Instrument :
MSVOA_N
ClientSampleId :

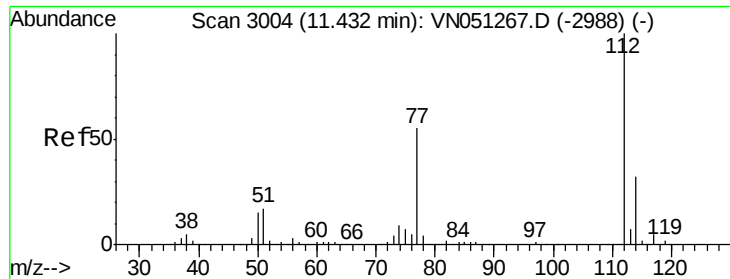
Tot Ion:117 Resp: 675392
Ion Ratio Lower Upper
117 100
82 53.0 41.8 62.8
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 17.09 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion:164 Resp: 109567
Ion Ratio Lower Upper
164 100
166 129.2 100.0 150.0
129 88.7 70.8 106.2
131 86.9 69.6 104.4

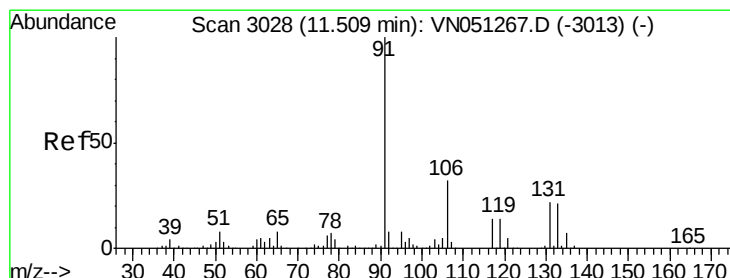
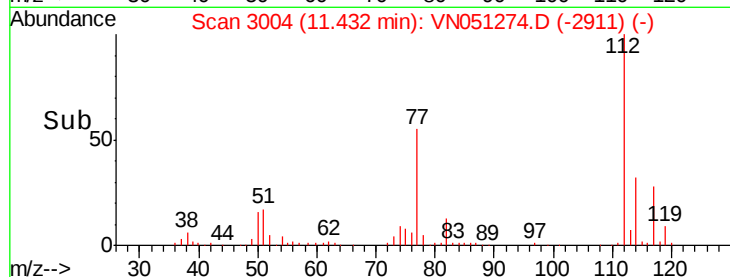
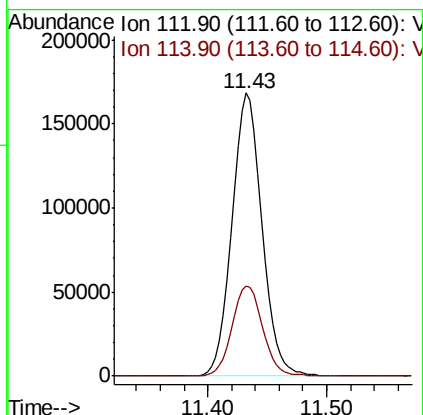
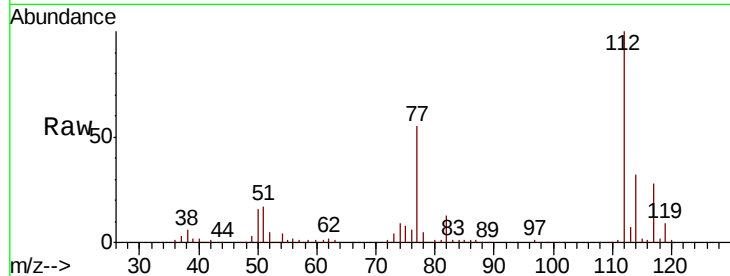




#65
Chlorobenzene
Concen: 17.57 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

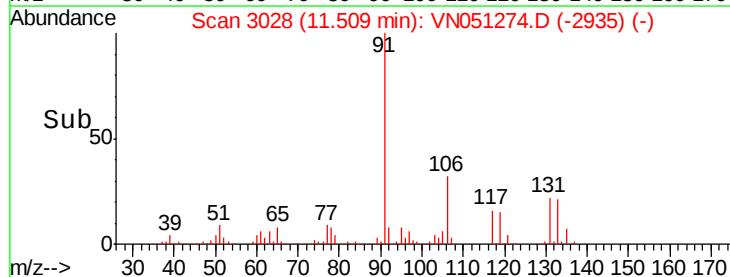
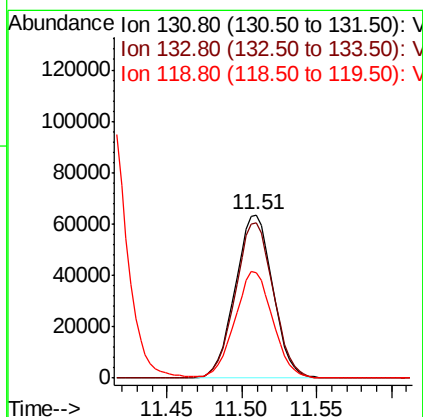
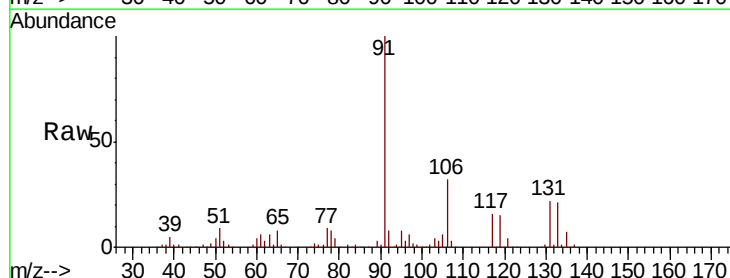
Instrument :
MSVOA_N
ClientSampled :

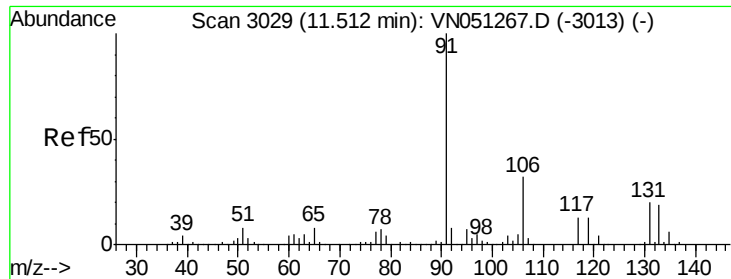
Tot Ion:112 Resp: 293455
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 17.61 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion:131 Resp: 111375
Ion Ratio Lower Upper
131 100
133 96.6 47.9 143.7
119 65.8 32.6 98.0

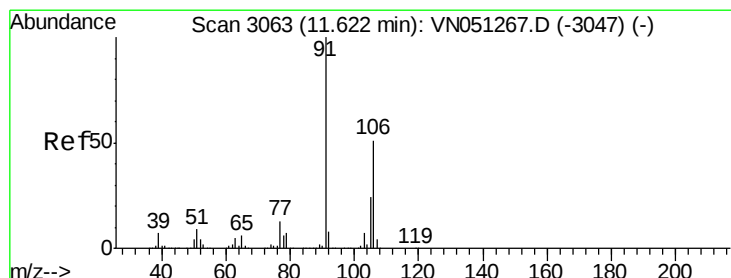
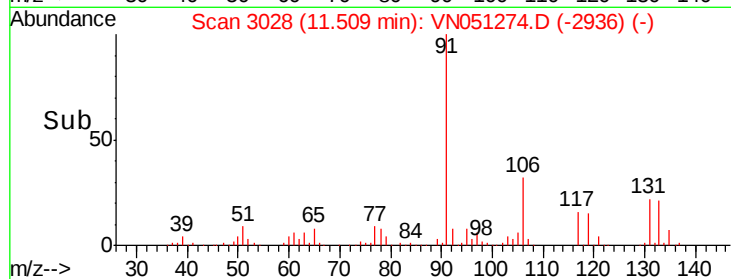
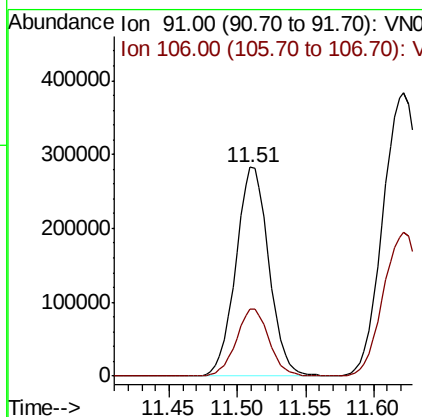
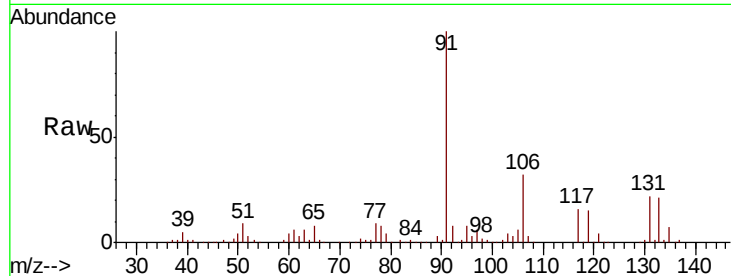




#67
Ethyl Benzene
Concen: 17.88 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

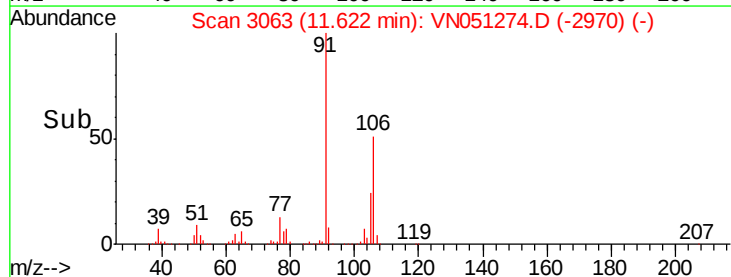
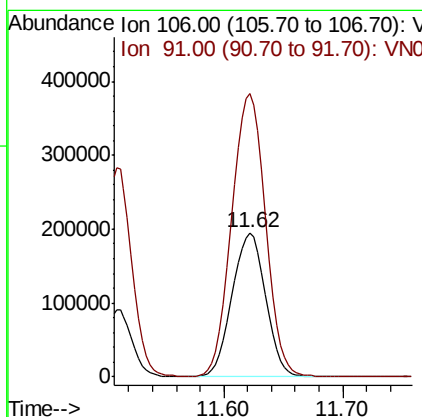
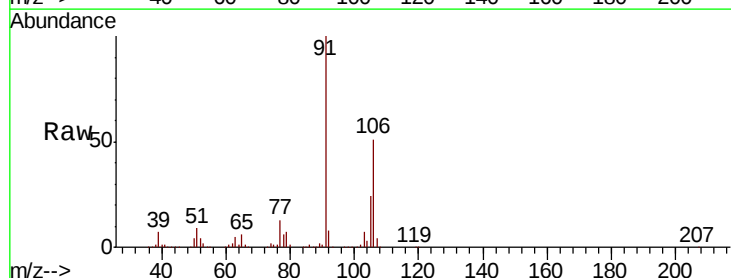
Instrument :
MSVOA_N
ClientSampled :

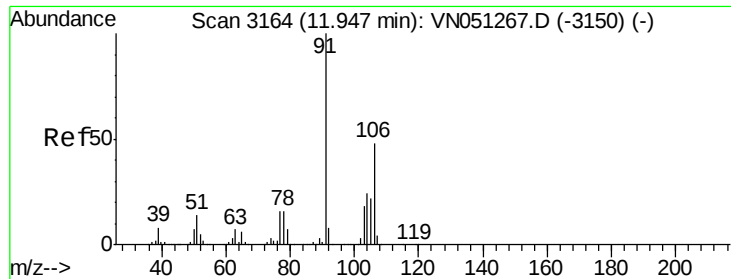
Tot Ion: 91 Resp: 475890
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5



#68
m/p-Xylenes
Concen: 36.93 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion: 106 Resp: 381904
Ion Ratio Lower Upper
106 100
91 197.5 158.6 238.0

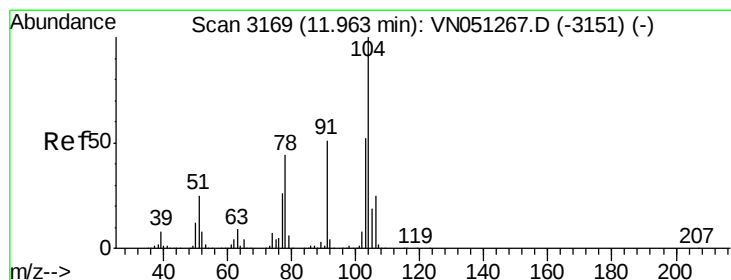
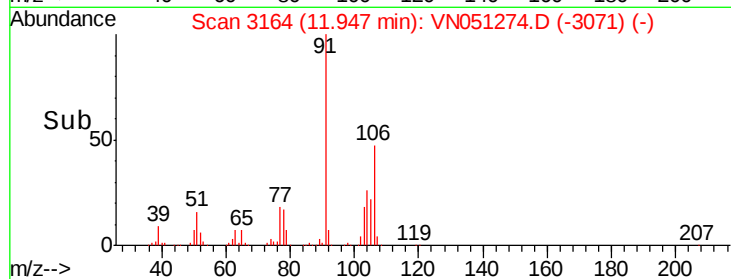
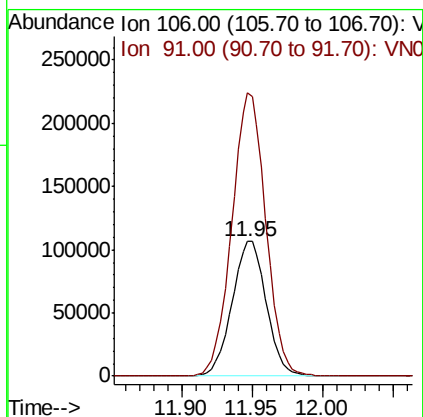
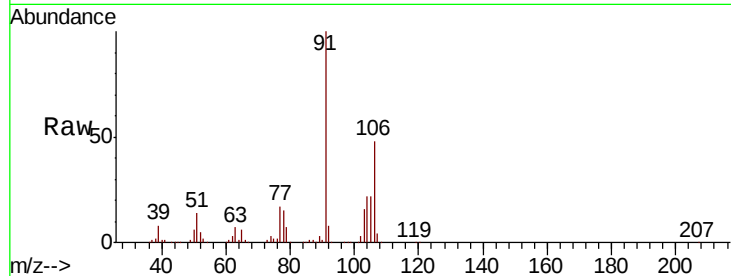




#69
o-Xylene
Concen: 18.27 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

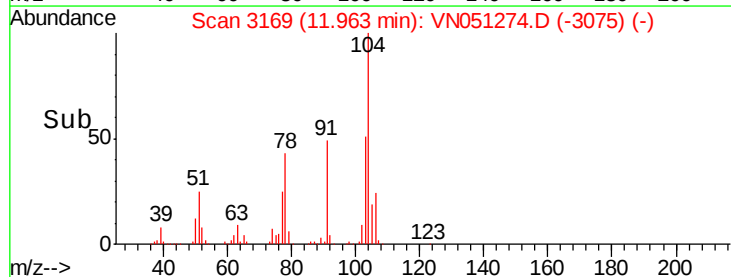
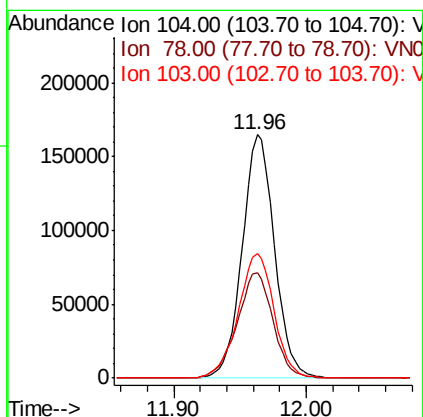
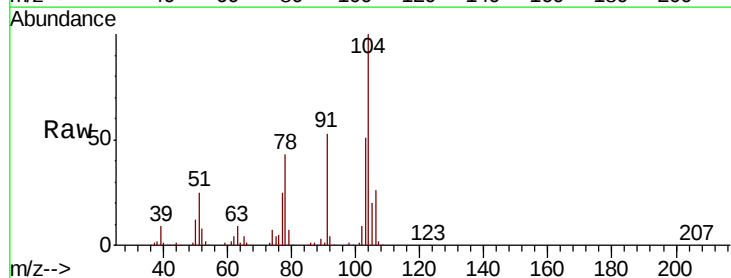
Instrument :
MSVOA_N
ClientSampled :

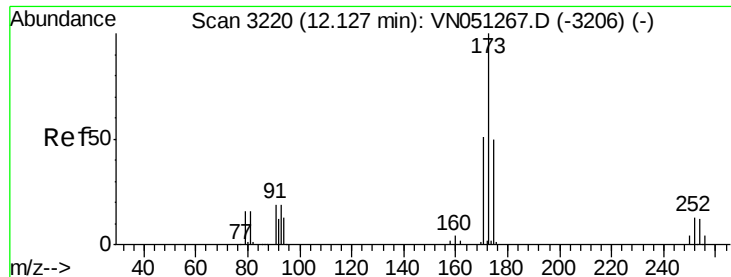
Tot Ion:106 Resp: 180050
Ion Ratio Lower Upper
106 100
91 208.8 104.1 312.3



#70
Styrene
Concen: 16.86 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051274.D
Acq: 17 Sep 2018 16:59

Tgt Ion:104 Resp: 279154
Ion Ratio Lower Upper
104 100
78 48.0 38.1 57.1
103 56.6 44.8 67.2





#71

Bromoform

Concen: 17.49 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampled :

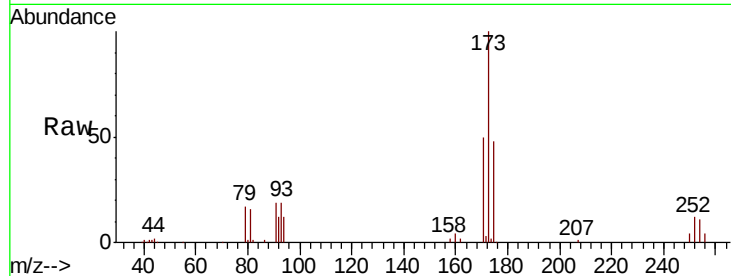
Tot Ion:173 Resp: 73370

Ion Ratio Lower Upper

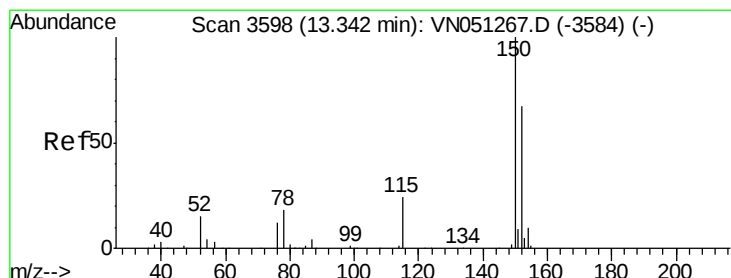
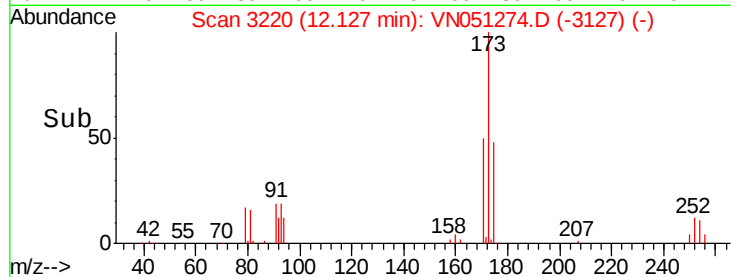
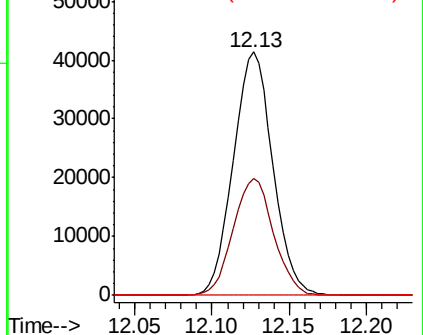
173 100

175 48.9 24.4 73.2

254 0.0 0.1 0.1#



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: VN051274.D

Acq: 17 Sep 2018 16:59

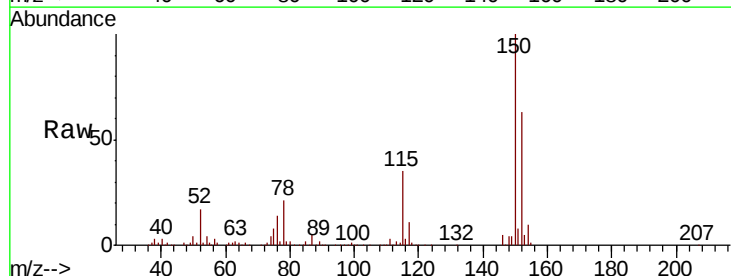
Tgt Ion:152 Resp: 313112

Ion Ratio Lower Upper

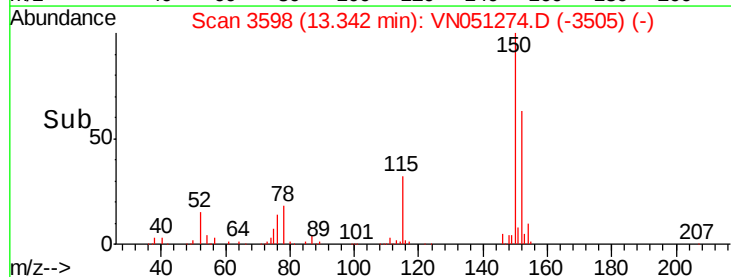
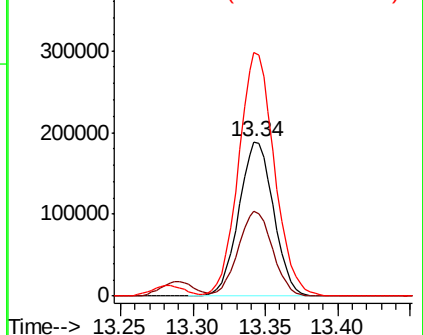
152 100

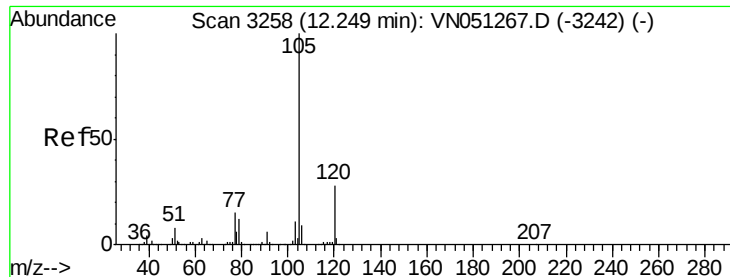
115 54.6 27.1 81.2

150 163.0 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: 17.94 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

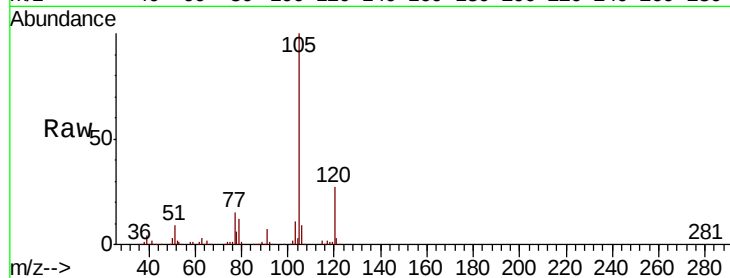
ClientSampleId :

Tot Ion:105 Resp: 473698

Ion Ratio Lower Upper

105 100

120 27.1 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

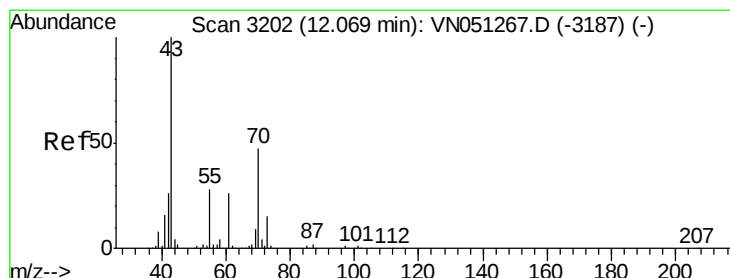
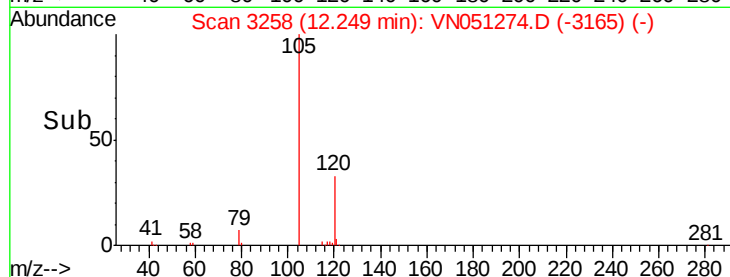
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 16.88 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Tgt Ion: 43 Resp: 91504

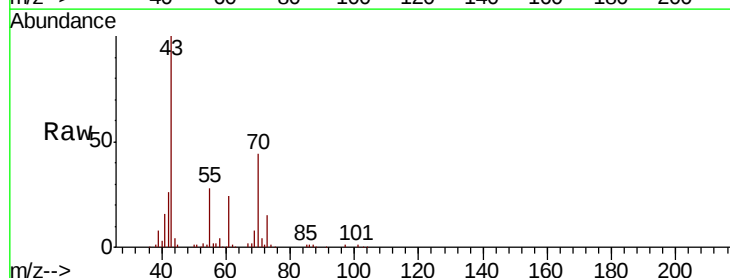
Ion Ratio Lower Upper

43 100

70 44.8 37.8 56.6

55 28.5 22.6 34.0

61 25.5 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

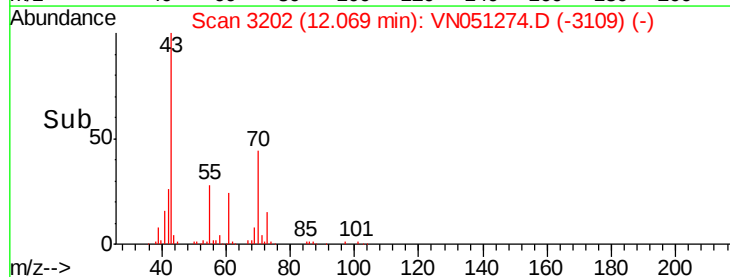
60000

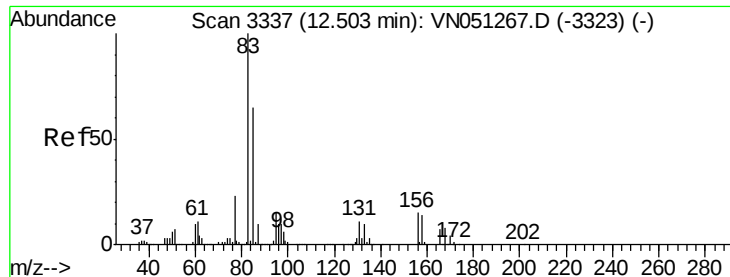
40000

20000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 18.86 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

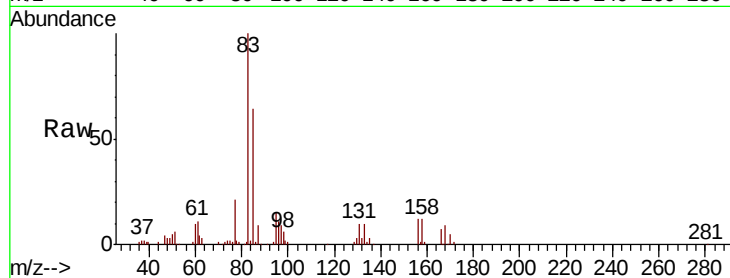
Tot Ion: 83 Resp: 113286

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

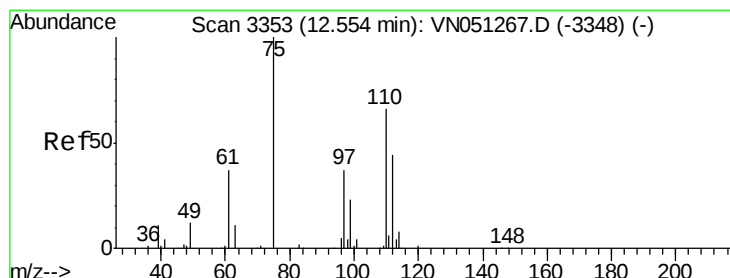
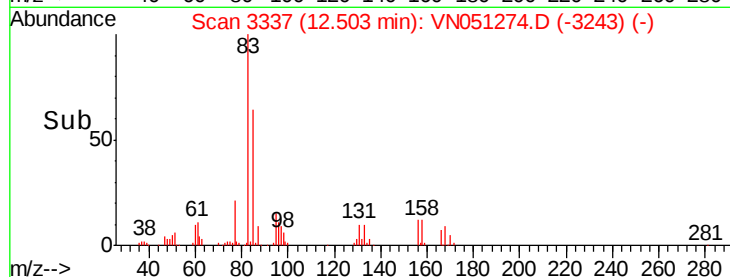
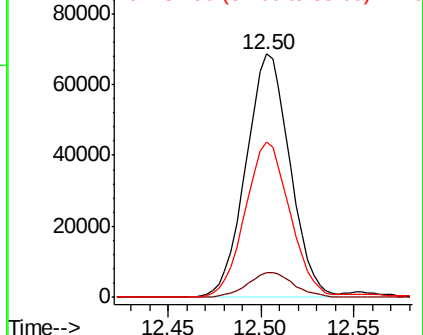
85 64.9 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN051274.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051274.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051274.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.45 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051274.D

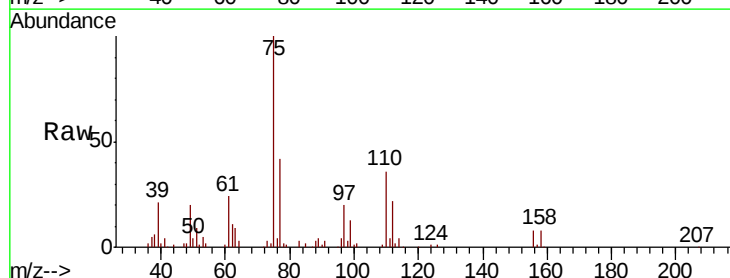
Acq: 17 Sep 2018 16:59

Tgt Ion: 75 Resp: 126941

Ion Ratio Lower Upper

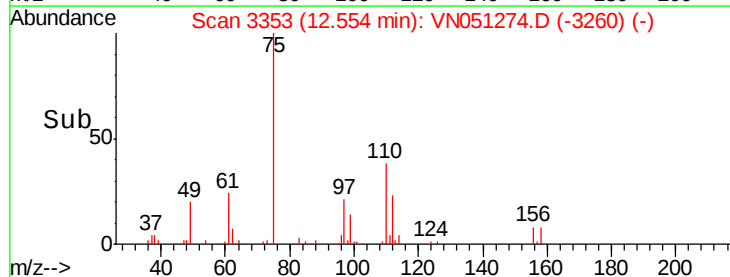
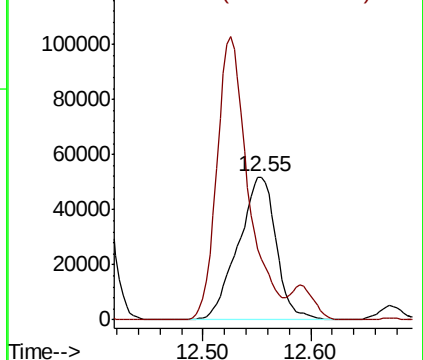
75 100

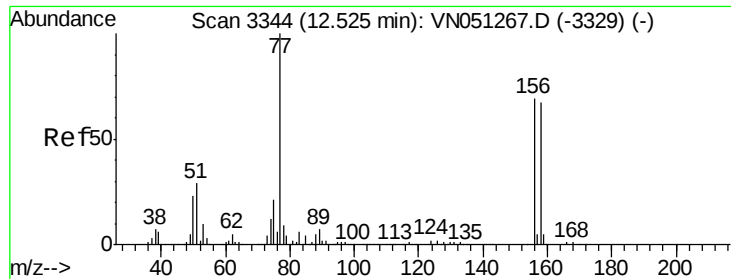
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051274.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051274.D (-3260) (-)





#77

Bromobenzene

Concen: 17.81 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampled :

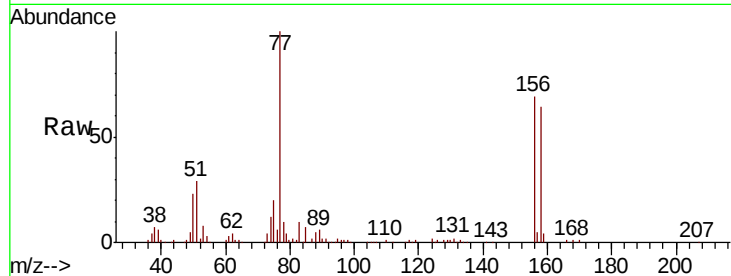
Tot Ion:156 Resp: 121413

Ion Ratio Lower Upper

156 100

77 170.8 83.7 251.1

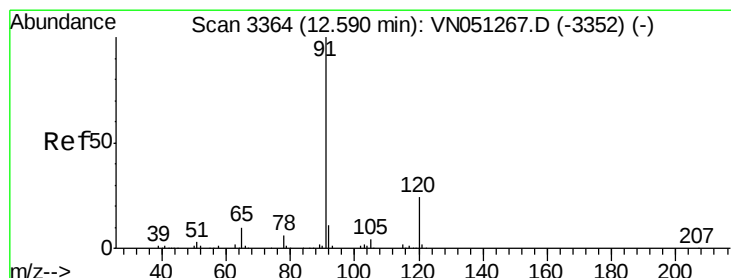
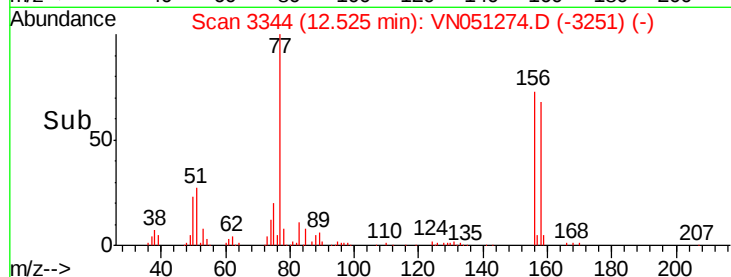
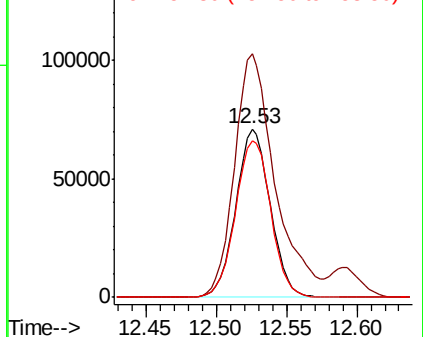
158 95.8 49.0 147.2



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: 18.24 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051274.D

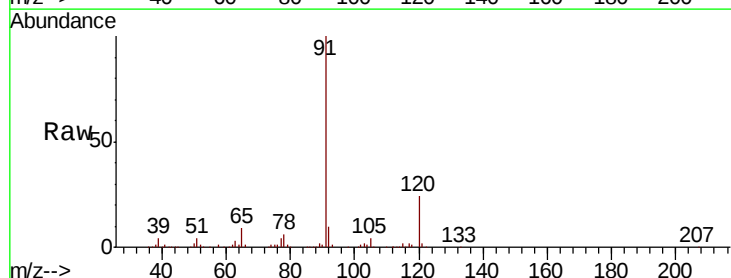
Acq: 17 Sep 2018 16:59

Tgt Ion: 91 Resp: 519469

Ion Ratio Lower Upper

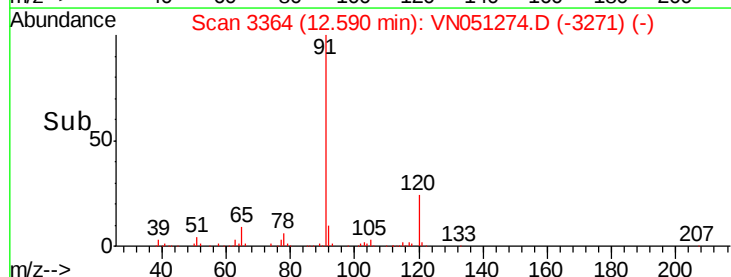
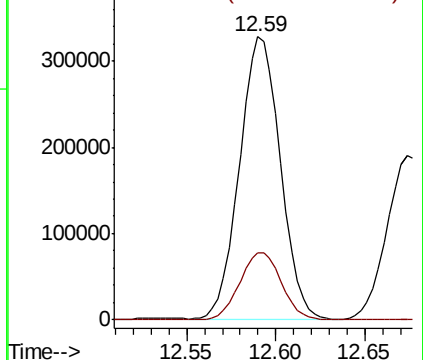
91 100

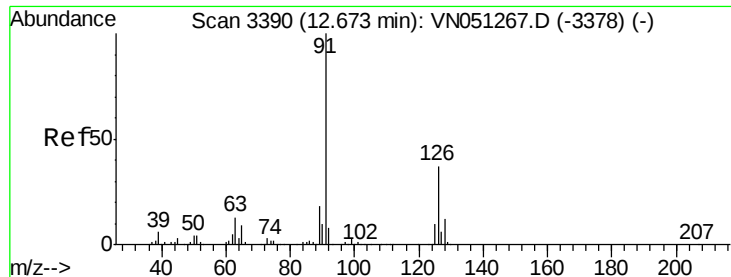
120 24.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.53 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

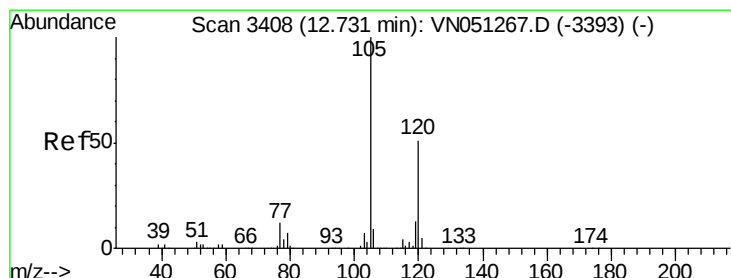
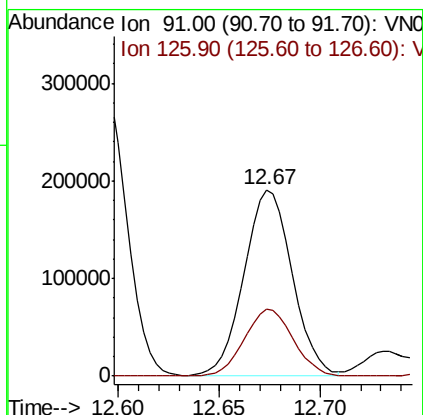
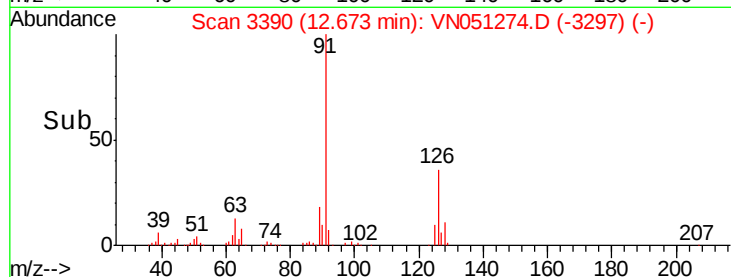
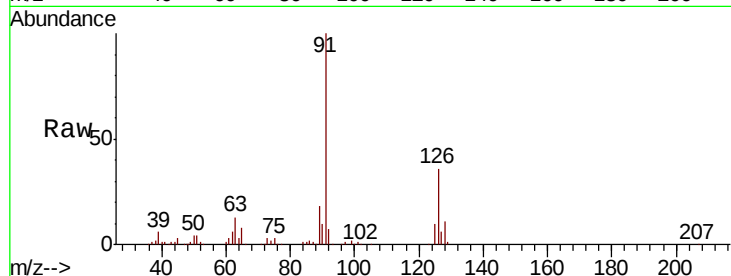
ClientSampleId :

Tot Ion: 91 Resp: 317440

Ion Ratio Lower Upper

91 100

126 36.5 18.2 54.6



#80

1,3,5-Trimethylbenzene

Concen: 18.47 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051274.D

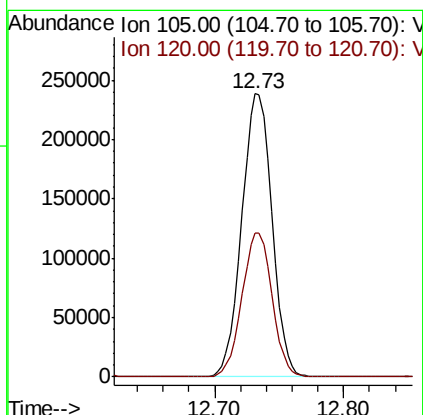
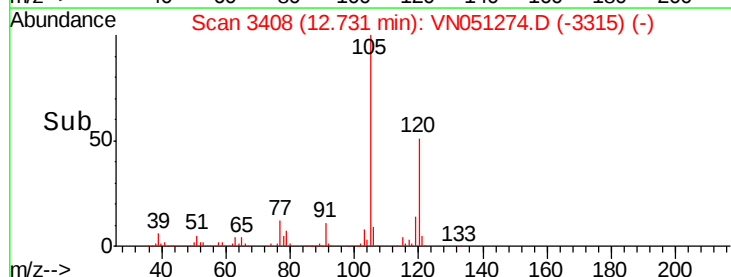
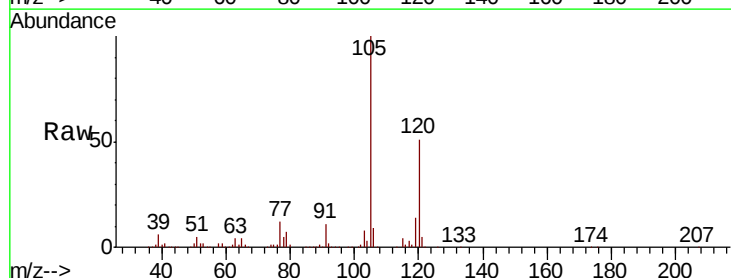
Acq: 17 Sep 2018 16:59

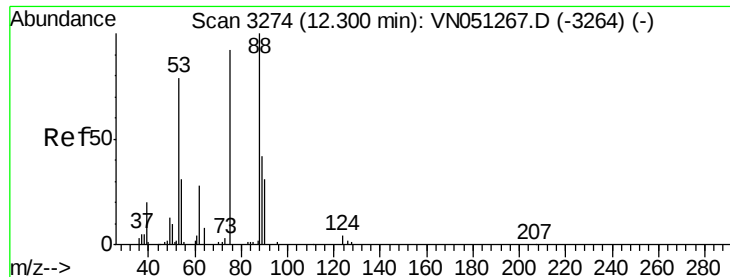
Tgt Ion:105 Resp: 389951

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.33 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

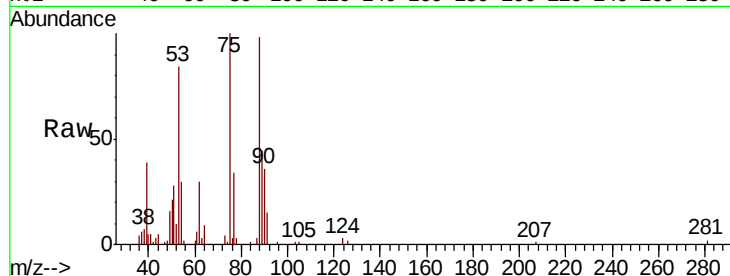
Tot Ion: 75 Resp: 25846

Ion Ratio Lower Upper

75 100

53 84.9 67.7 101.5

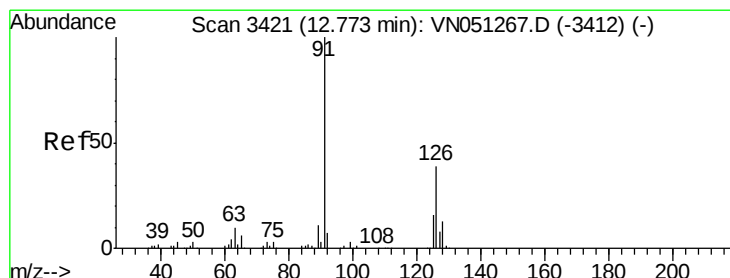
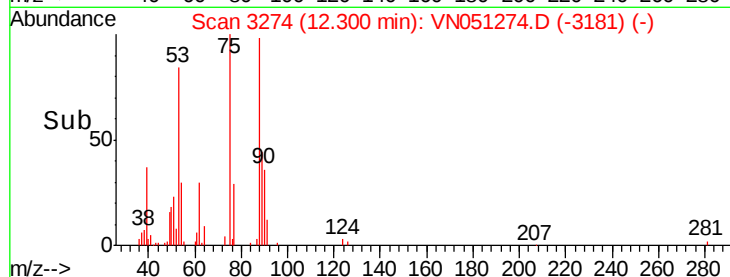
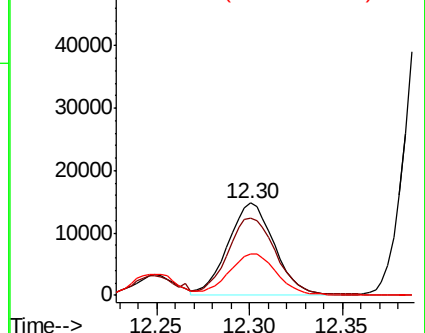
89 46.1 36.9 55.3



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: 17.89 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051274.D

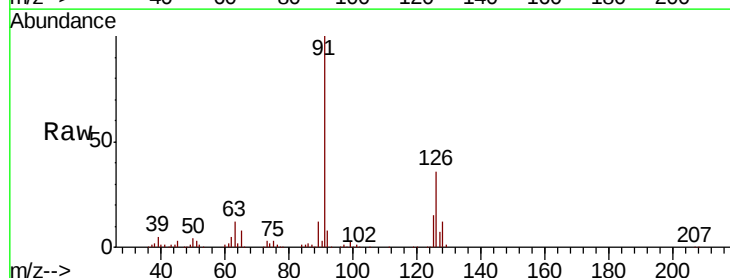
Acq: 17 Sep 2018 16:59

Tgt Ion: 91 Resp: 308120

Ion Ratio Lower Upper

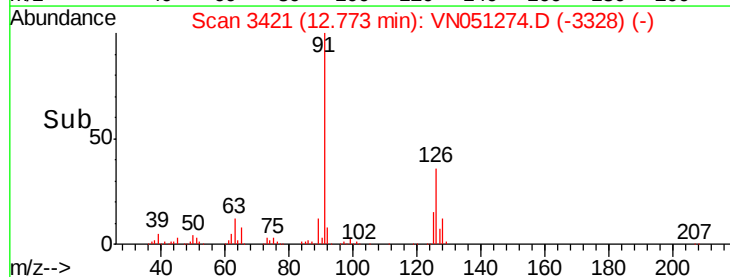
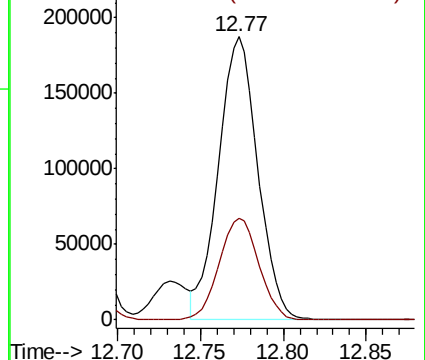
91 100

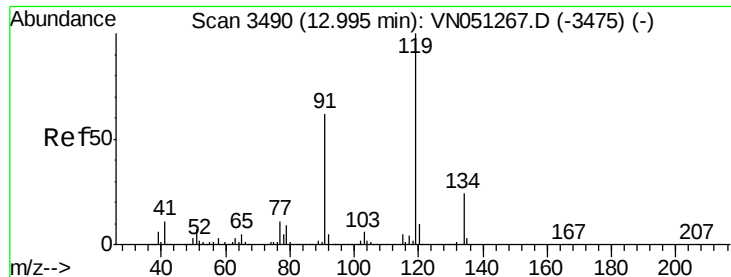
126 36.5 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

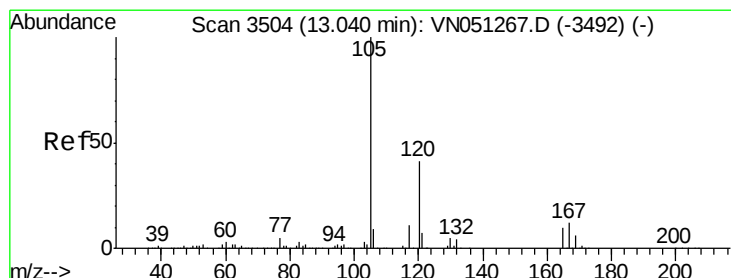
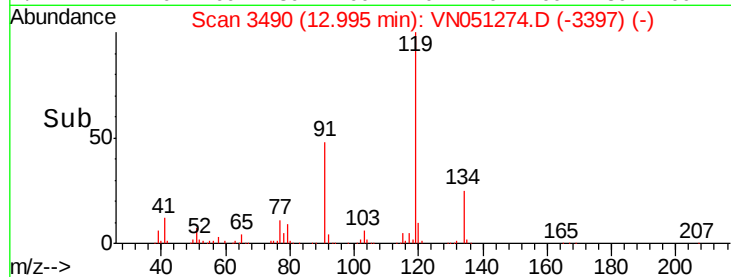
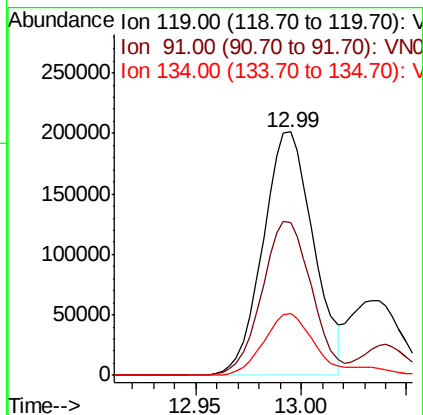
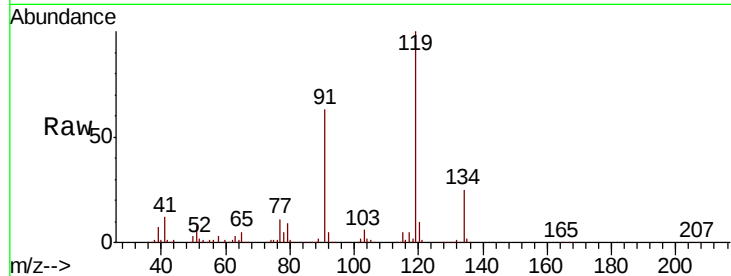




#83
 tert-Butylbenzene
 Concen: 17.97 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

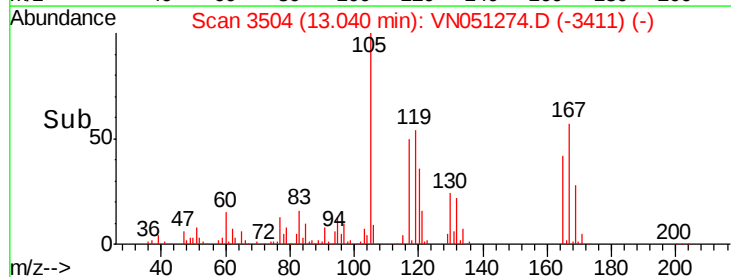
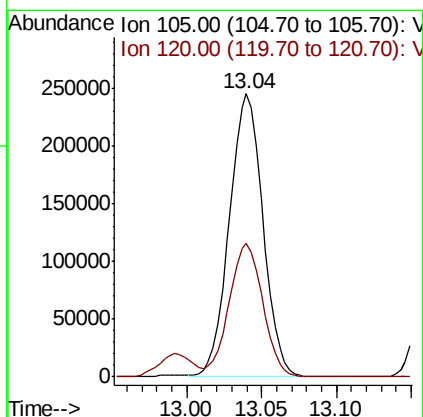
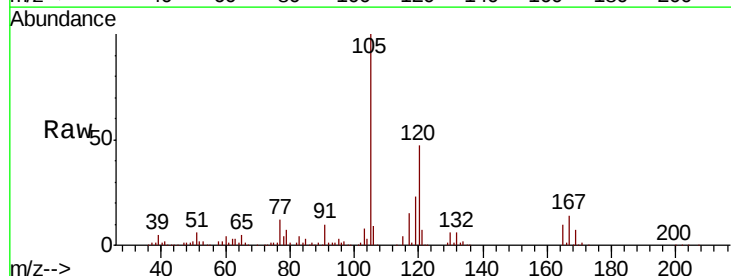
Instrument :
 MSVOA_N
 ClientSampled :

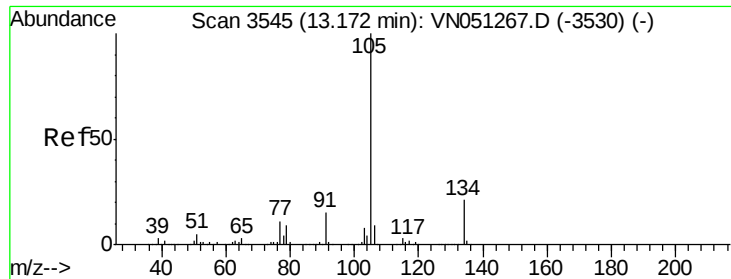
Tot Ion:119 Resp: 335331
 Ion Ratio Lower Upper
 119 100
 91 62.3 30.8 92.4
 134 25.3 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 18.74 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion:105 Resp: 384217
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.5 70.6





#85

sec-Butylbenzene

Concen: 18.64 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

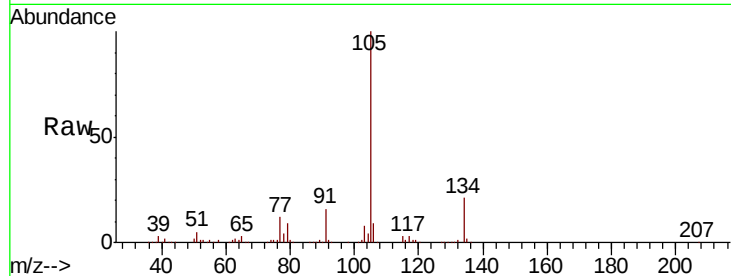
ClientSampled :

Tot Ion:105 Resp: 441590

Ion Ratio Lower Upper

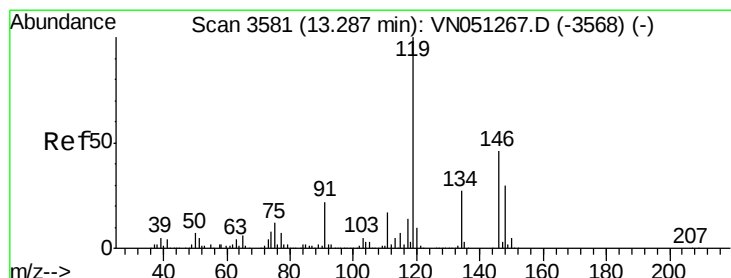
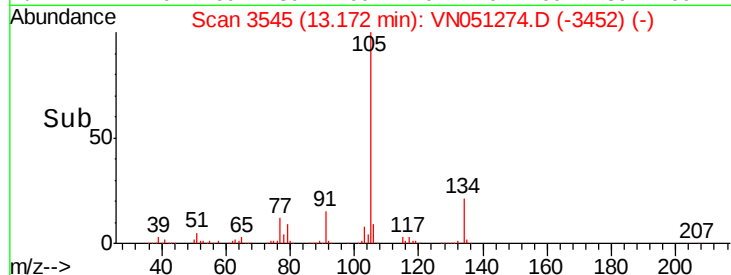
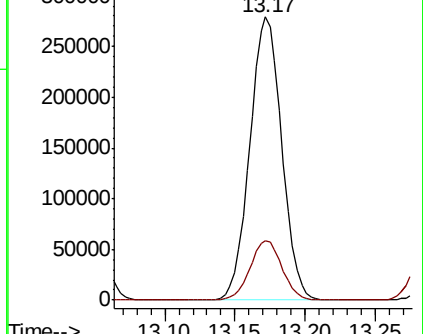
105 100

134 21.1 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.10 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

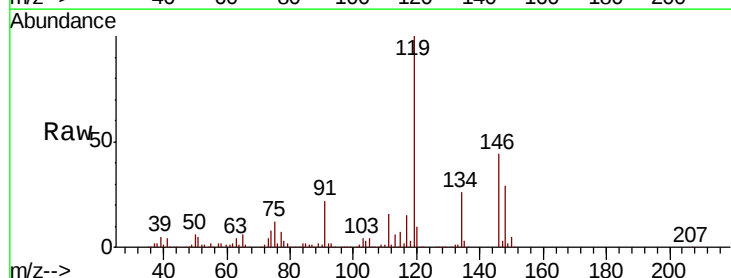
Tgt Ion:119 Resp: 379448

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

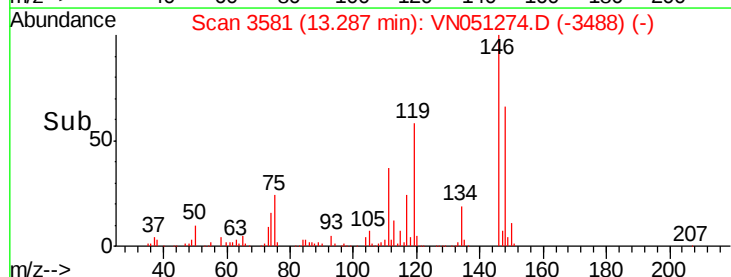
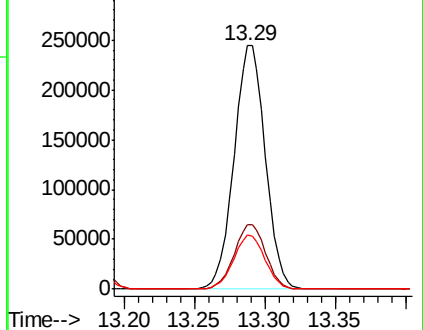
91 22.1 11.1 33.1

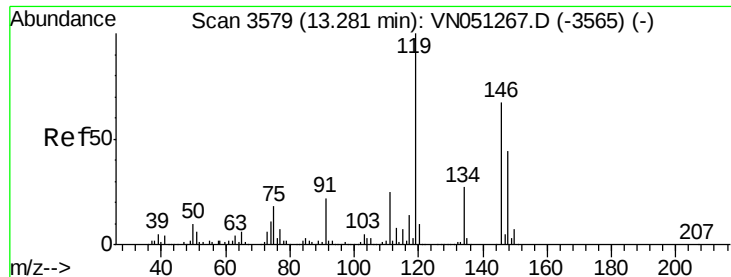


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

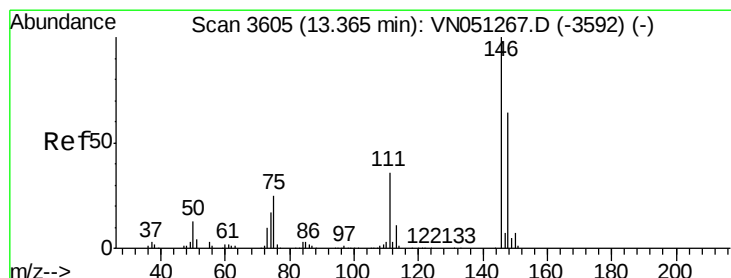
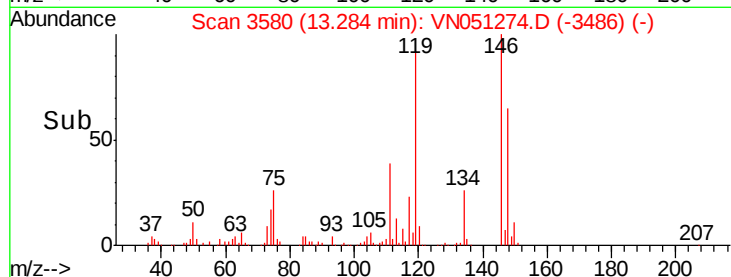
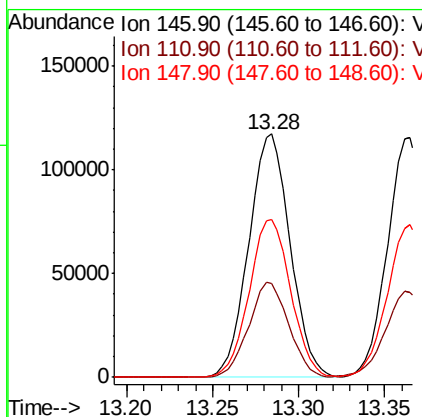
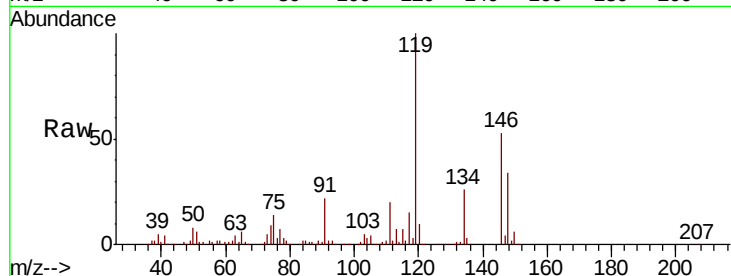




#87
 1,3-Dichlorobenzene
 Concen: 16.81 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

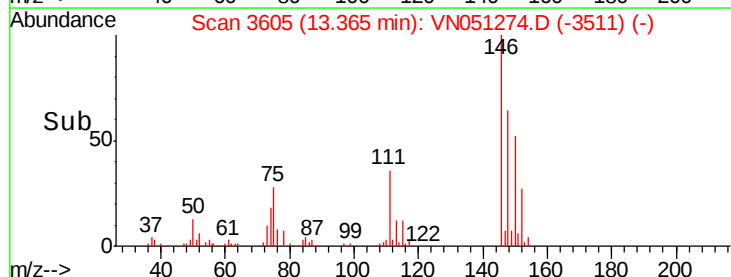
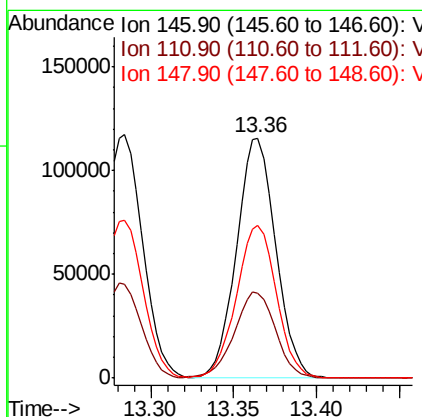
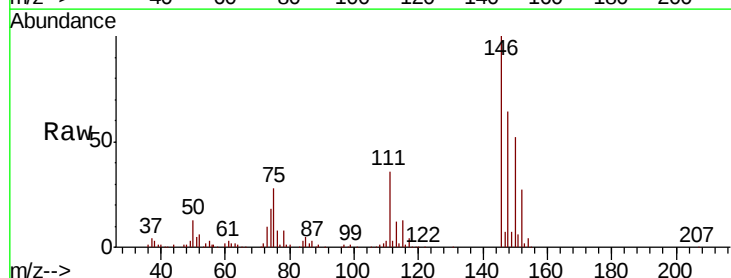
Instrument :
 MSVOA_N
 ClientSampleId :

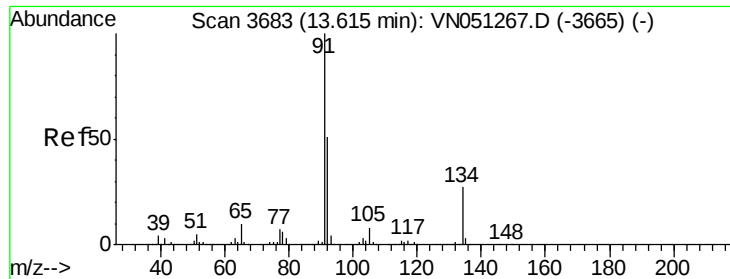
Tot Ion:146 Resp: 196072
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.7 56.1
 148 65.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 17.49 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion:146 Resp: 190267
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.2 54.6
 148 64.9 31.9 95.7





#89

n-Butylbenzene

Concen: 17.27 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampled :

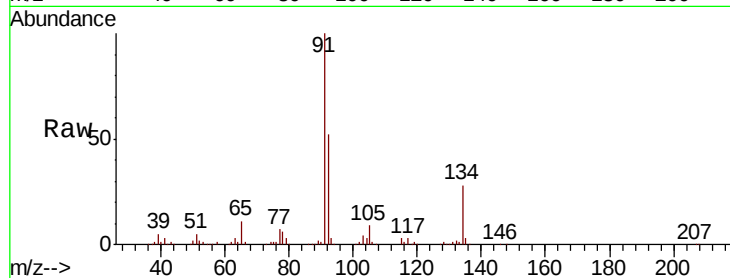
Tot Ion: 91 Resp: 259218

Ion Ratio Lower Upper

91 100

92 51.0 25.8 77.4

134 26.9 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN051267.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN051267.D (-3665) (-)

13.62

150000

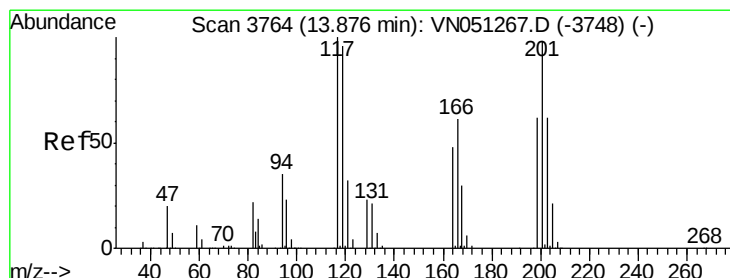
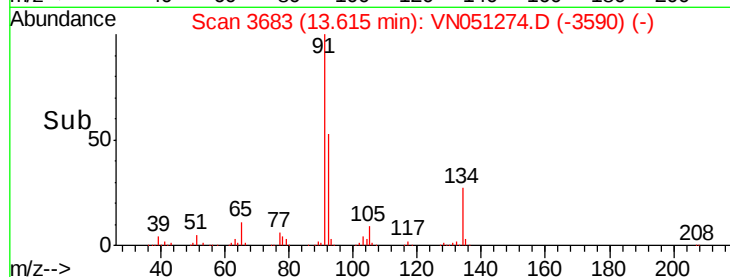
100000

50000

0

13.60 13.70

Time-->



#90

Hexachloroethane

Concen: 18.13 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051274.D

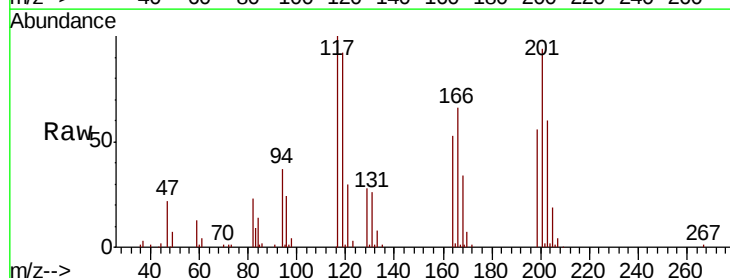
Acq: 17 Sep 2018 16:59

Tgt Ion: 117 Resp: 72351

Ion Ratio Lower Upper

117 100

201 97.0 48.4 145.3



Abundance Ion 116.80 (116.50 to 117.50): VN051267.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN051267.D (-3748) (-)

50000

40000

30000

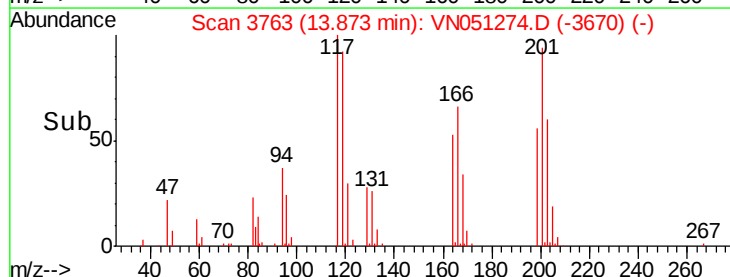
20000

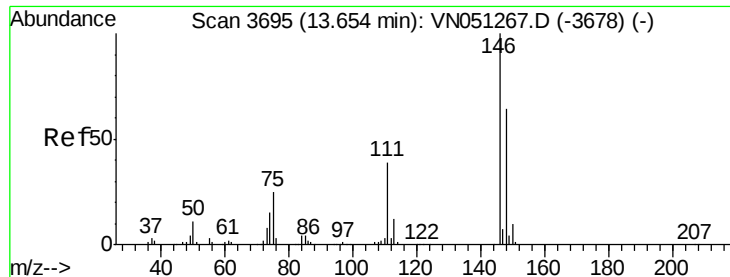
10000

0

13.80 13.85 13.90

Time-->





#91

1,2-Dichlorobenzene

Concen: 17.73 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

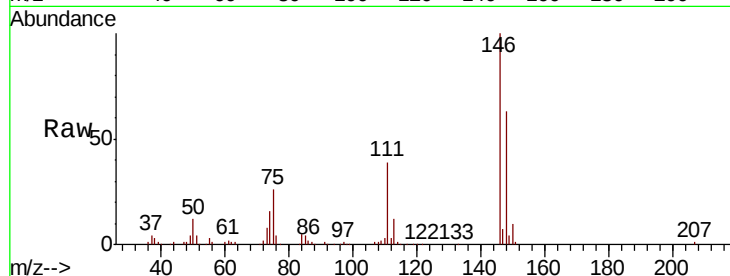
Tot Ion:146 Resp: 194028

Ion Ratio Lower Upper

146 100

111 38.9 19.6 58.7

148 63.5 31.9 95.9

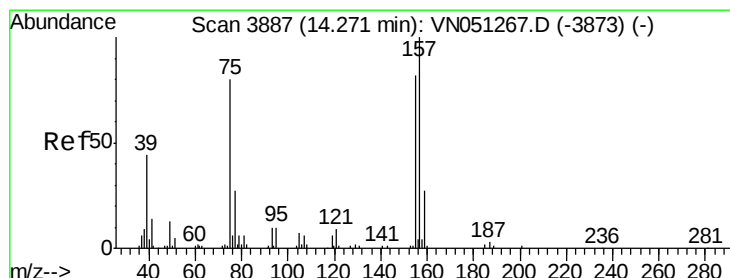
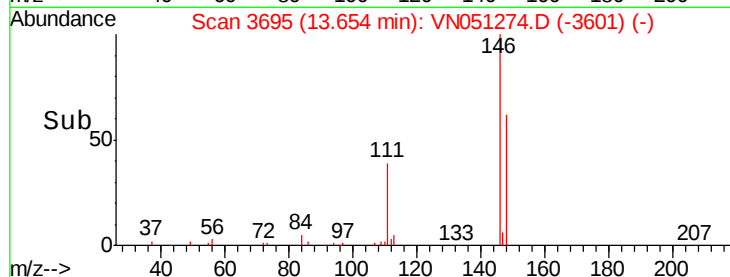
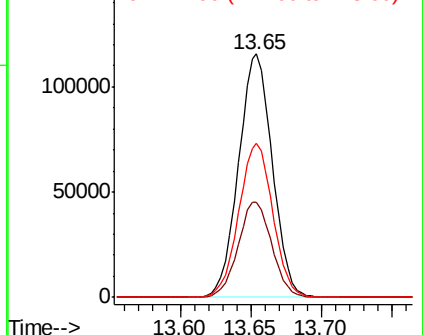


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.14 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

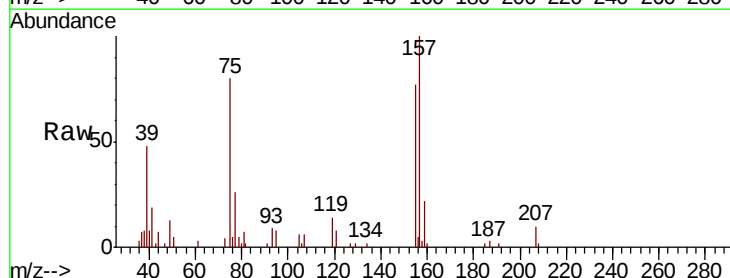
Tgt Ion: 75 Resp: 13888

Ion Ratio Lower Upper

75 100

155 95.9 50.2 150.7

157 122.4 62.9 188.7

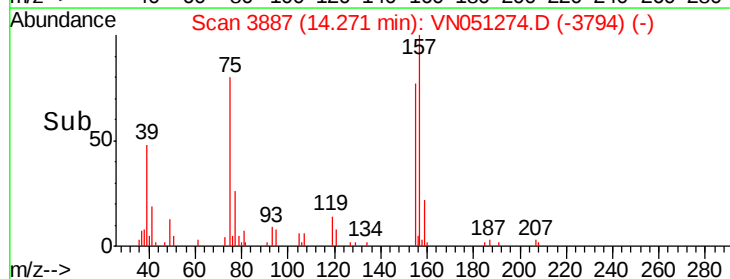
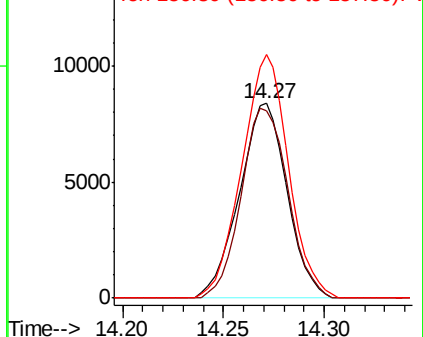


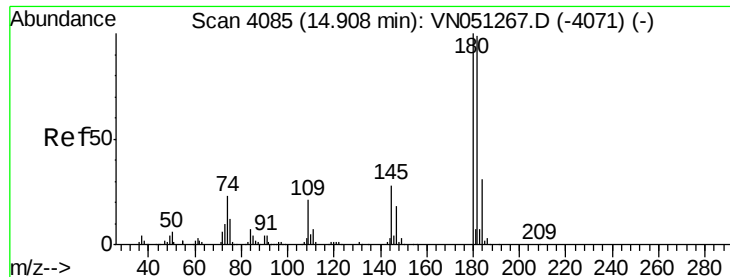
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

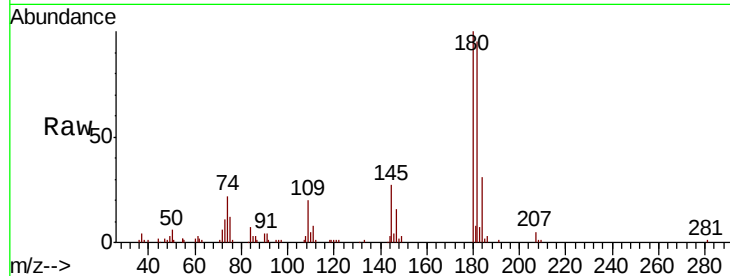




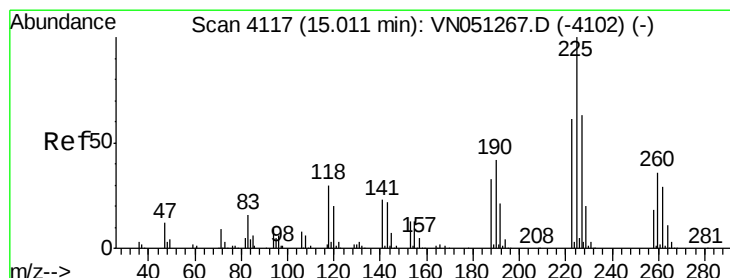
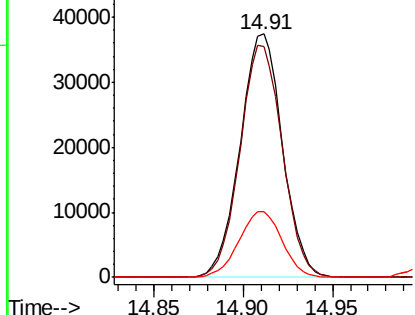
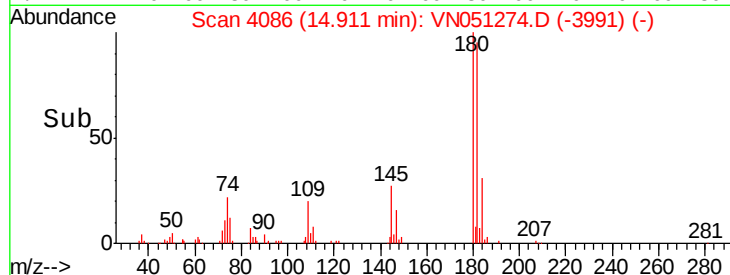
#93
 1,2,4-Trichlorobenzene
 Concen: 15.57 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 61859
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.5 145.6
 145 27.5 14.0 41.9

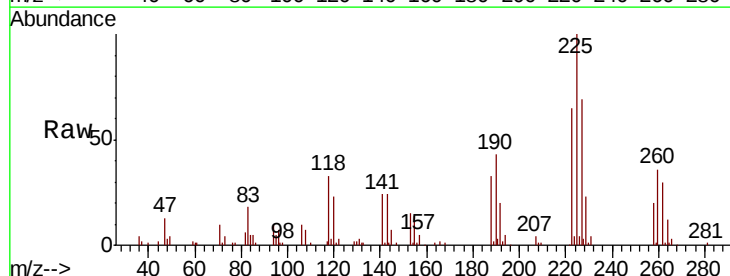


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

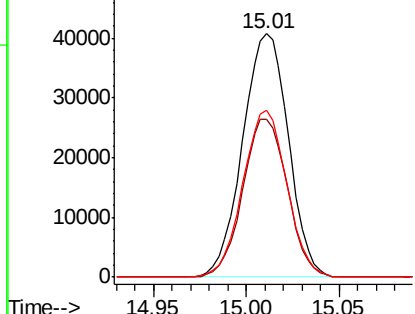
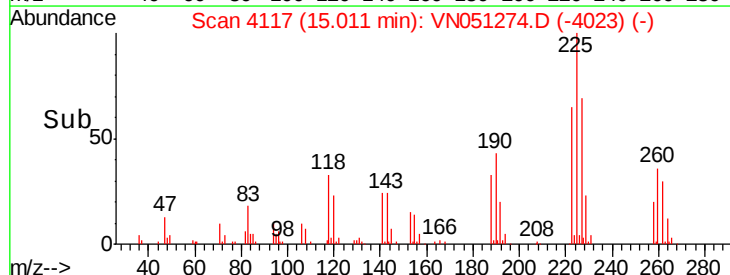


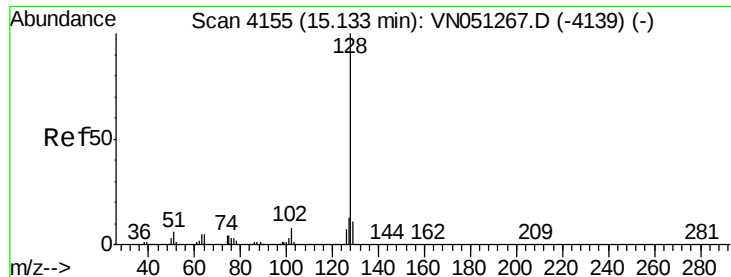
#94
 Hexachlorobutadiene
 Concen: 18.59 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051274.D
 Acq: 17 Sep 2018 16:59

Tgt Ion:225 Resp: 69681
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.8 92.3
 227 65.8 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.55 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

Instrument :

MSVOA_N

ClientSampleId :

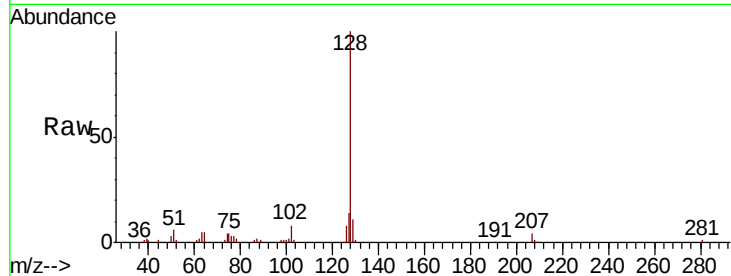
Tot Ion:128 Resp: 106975

Ion Ratio Lower Upper

128 100

127 14.2 10.7 16.1

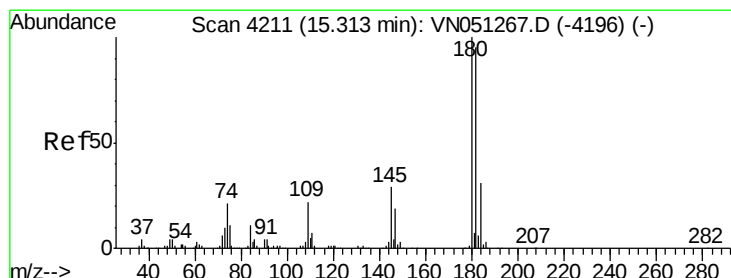
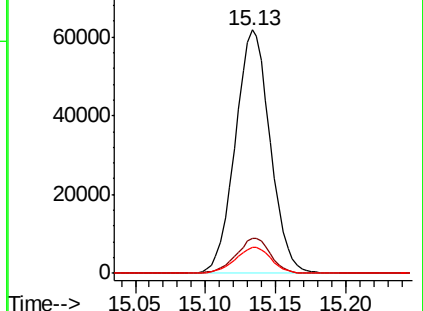
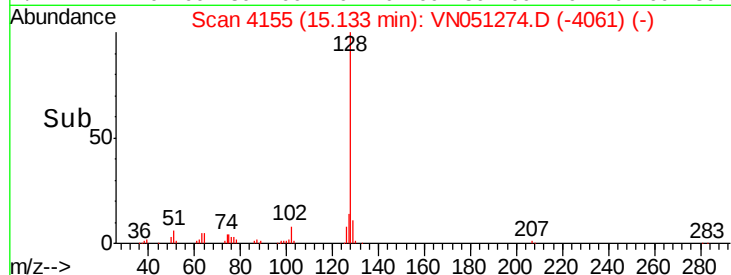
129 10.9 8.9 13.3



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: 16.44 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051274.D

Acq: 17 Sep 2018 16:59

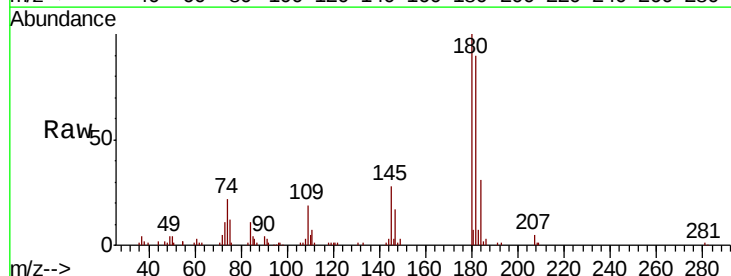
Tgt Ion:180 Resp: 68107

Ion Ratio Lower Upper

180 100

182 93.5 47.5 142.6

145 29.2 14.8 44.4



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

