

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101118\
 Data File : VN051819.D
 Acq On : 11 Oct 2018 18:19
 Operator : MD\SY
 Sample : VN1011WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 12 06:50:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 13:17:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	823899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1225969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1108834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	511333	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	400111	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
35) Dibromofluoromethane	7.59	113	374417	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	10.09	98	1396827	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.40	95	462976	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	83470	18.250	ug/l	100
3) Chloromethane	2.06	50	111554	20.137	ug/l	98
4) Vinyl Chloride	2.18	62	168336	20.261	ug/l	100
5) Bromomethane	2.56	94	151540	20.216	ug/l	100
6) Chloroethane	2.70	64	123651	20.269	ug/l	97
7) Trichlorofluoromethane	3.01	101	255113	20.677	ug/l	99
8) Diethyl Ether	3.41	74	68110	20.017	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125159	19.024	ug/l	98
10) Methyl Iodide	3.95	142	149158	17.205	ug/l	94
11) Tert butyl alcohol	4.80	59	57985	100.121	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	117034	19.791	ug/l	87
13) Acrolein	3.61	56	56560	105.130	ug/l	98
14) Allyl chloride	4.32	41	146158	19.686	ug/l #	77
15) Acrylonitrile	5.00	53	193137	102.449	ug/l	98
16) Acetone	3.82	43	141997	83.610	ug/l	96
17) Carbon Disulfide	4.05	76	285446	17.831	ug/l	99
18) Methyl Acetate	4.33	43	89418	18.439	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	377907	20.299	ug/l	92
20) Methylene Chloride	4.55	84	132563	18.861	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	132838	19.131	ug/l	92
22) Diisopropyl ether	5.96	45	330442	20.140	ug/l #	87
23) Vinyl Acetate	5.90	43	1211490	100.929	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	222360	19.727	ug/l	97
25) 2-Butanone	6.84	43	227134	94.642	ug/l #	87
26) 2,2-Dichloropropane	6.83	77	206370	18.082	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160926	20.105	ug/l	89
28) Bromochloromethane	7.20	49	95918	20.281	ug/l #	72
29) Tetrahydrofuran	7.22	42	148815	104.053	ug/l #	81
30) Chloroform	7.37	83	262007	19.440	ug/l	100
31) Cyclohexane	7.66	56	196662	19.702	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	247260	19.541	ug/l	96
36) 1,1-Dichloropropene	7.80	75	186449	18.786	ug/l	96
37) Ethyl Acetate	6.93	43	106274	20.855	ug/l	99
38) Carbon Tetrachloride	7.77	117	218384	18.982	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	231727	19.006	ug/l	91
40) Benzene	8.04	78	561258	19.603	ug/l	99
41) Methacrylonitrile	7.18	41	60017	24.430	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	184689	19.677	ug/l	100
43) Isopropyl Acetate	8.17	43	197983	19.265	ug/l #	96
44) Trichloroethene	8.84	130	168241	19.301	ug/l	99
45) 1,2-Dichloropropane	9.12	63	133207	19.787	ug/l	99
46) Dibromomethane	9.21	93	101889	19.722	ug/l	99
47) Bromodichloromethane	9.41	83	201792	19.550	ug/l	96
48) Methyl methacrylate	9.20	41	93470	20.591	ug/l #	81
49) 1,4-Dioxane	9.20	88	33345	405.305	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	538618	101.824	ug/l	97
52) Toluene	10.16	92	374422	19.476	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	193251	18.687	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	211602	18.638	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	140053	19.366	ug/l	99
56) Ethyl methacrylate	10.43	69	170812	20.055	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	215852	19.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	375785	101.328	ug/l	90
59) 2-Hexanone	10.75	43	354406	95.392	ug/l	97
60) Dibromochloromethane	10.90	129	164920	19.209	ug/l	98
61) 1,2-Dibromoethane	11.01	107	146150	19.621	ug/l	100
64) Tetrachloroethene	10.63	164	163223	19.193	ug/l	97
65) Chlorobenzene	11.44	112	426942	19.038	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	161584	18.905	ug/l	99
67) Ethyl Benzene	11.51	91	720639	19.412	ug/l	98
68) m/p-Xylenes	11.62	106	575434	38.374	ug/l	96
69) o-Xylene	11.95	106	283067	19.436	ug/l	96
70) Styrene	11.97	104	427505	19.027	ug/l	98
71) Bromoform	12.13	173	104664	18.015	ug/l #	97
73) Isopropylbenzene	12.25	105	753683	19.129	ug/l	99
74) N-amyl acetate	12.07	43	166171	21.266	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	172010	19.875	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	203307	32.066	ug/l #	100
77) Bromobenzene	12.53	156	184956	18.827	ug/l	91
78) n-propylbenzene	12.59	91	807123	19.561	ug/l	97
79) 2-Chlorotoluene	12.68	91	473142	19.036	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	620982	19.342	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41375	18.633	ug/l	97
82) 4-Chlorotoluene	12.77	91	464391	19.444	ug/l	97
83) tert-Butylbenzene	12.99	119	576750	19.369	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	626387	19.594	ug/l	98
85) sec-Butylbenzene	13.17	105	750683	19.460	ug/l	98
86) p-Isopropyltoluene	13.29	119	660864	19.480	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	318747	18.971	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	308503	18.944	ug/l	100
89) n-Butylbenzene	13.62	91	508877	20.177	ug/l	98
90) Hexachloroethane	13.88	117	109341	17.758	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	322313	19.852	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26635	20.906	ug/l	91

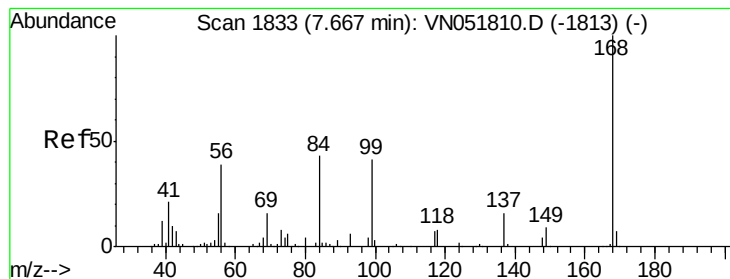
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145927	19.424	ug/l	99
94) Hexachlorobutadiene	15.01	225	100245	19.100	ug/l	98
95) Naphthalene	15.13	128	329079	20.329	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	157286	20.672	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

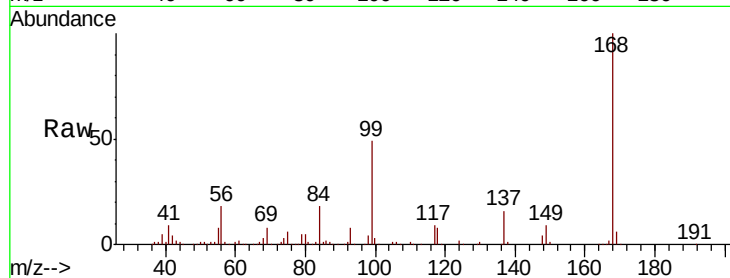
ClientSampleId :

Tot Ion:168 Resp: 823899

Ion Ratio Lower Upper

168 100

99 48.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051819.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051819.D (-1740) (-)

7.67

400000

300000

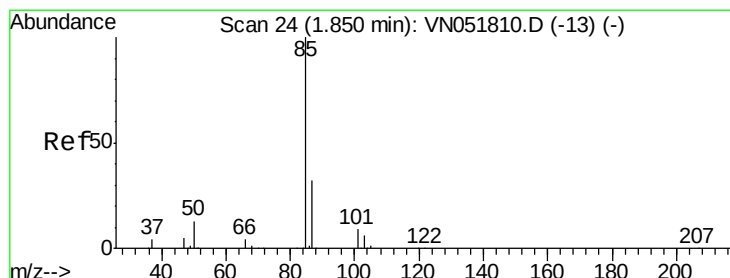
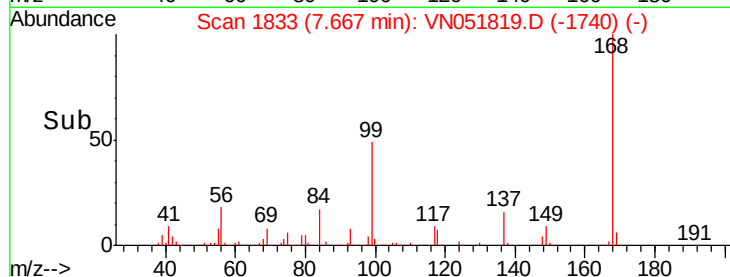
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.250 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051819.D

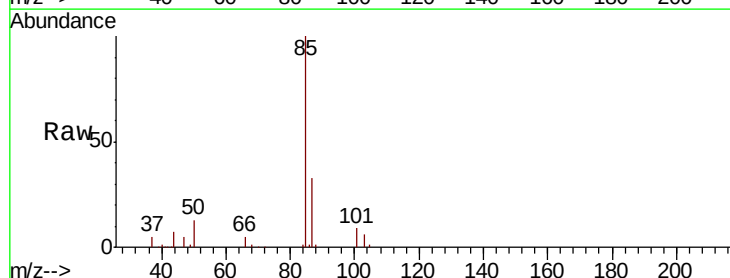
Acq: 11 Oct 2018 18:19

Tgt Ion: 85 Resp: 83470

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN051819.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN051819.D (-1) (-)

1.85

60000

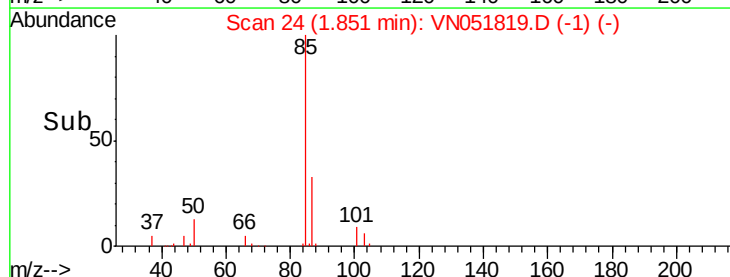
40000

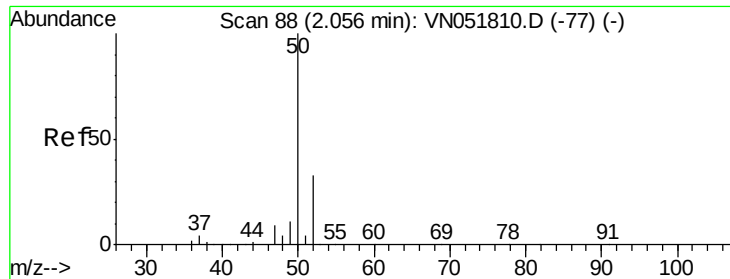
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.137 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

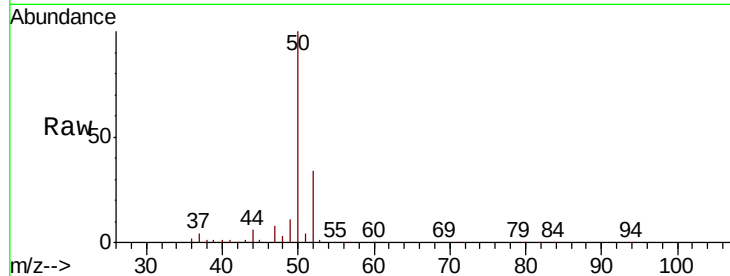
ClientSampleId :

Tot Ion: 50 Resp: 111554

Ion Ratio Lower Upper

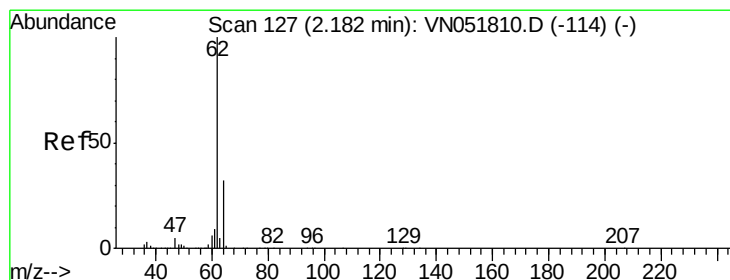
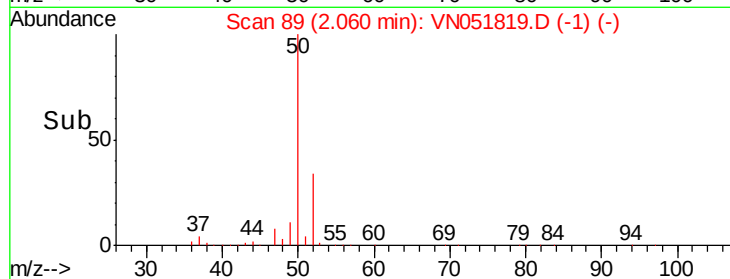
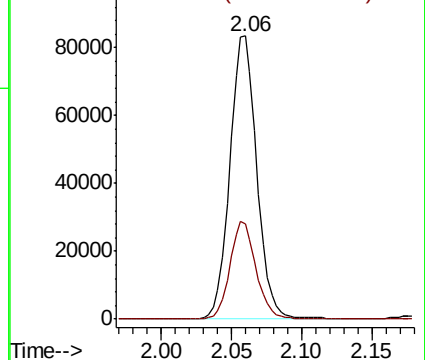
50 100

52 33.8 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 20.261 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051819.D

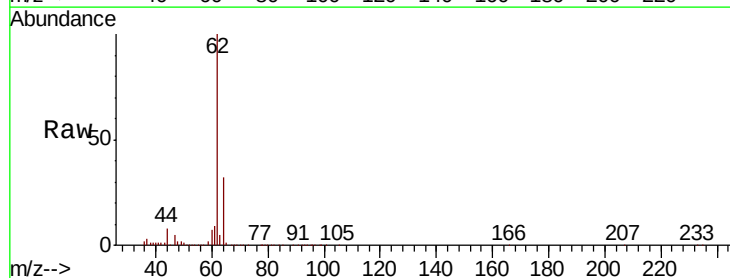
Acq: 11 Oct 2018 18:19

Tgt Ion: 62 Resp: 168336

Ion Ratio Lower Upper

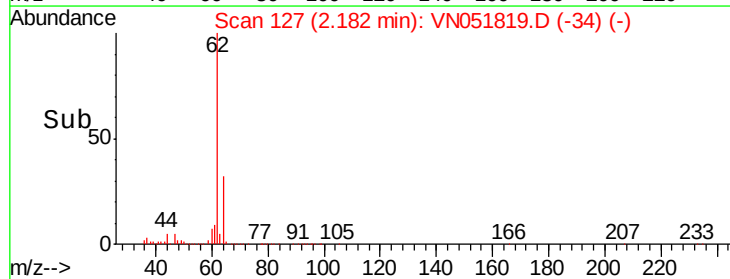
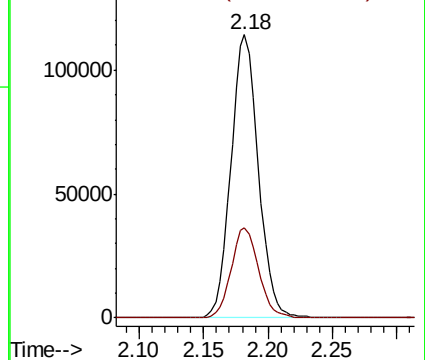
62 100

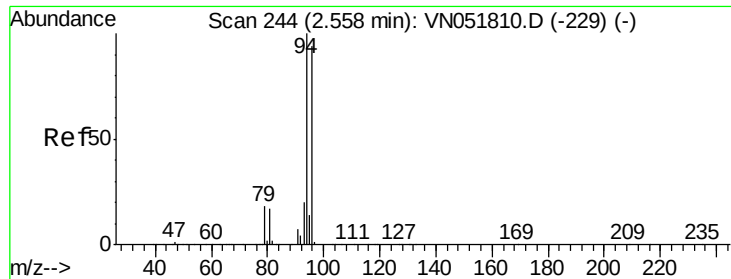
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.216 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

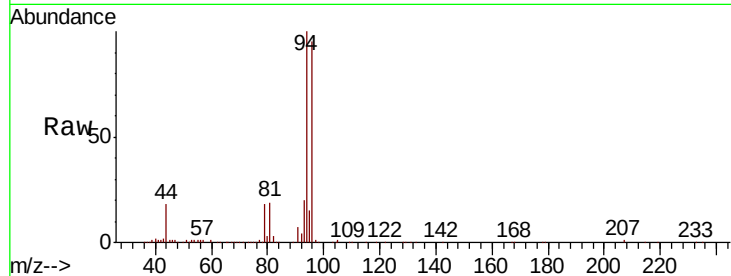
ClientSampleId :

Tot Ion: 94 Resp: 151540

Ion Ratio Lower Upper

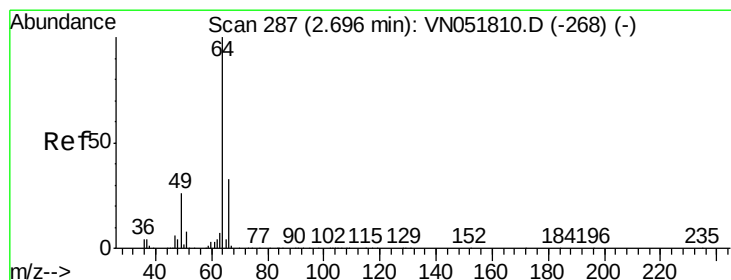
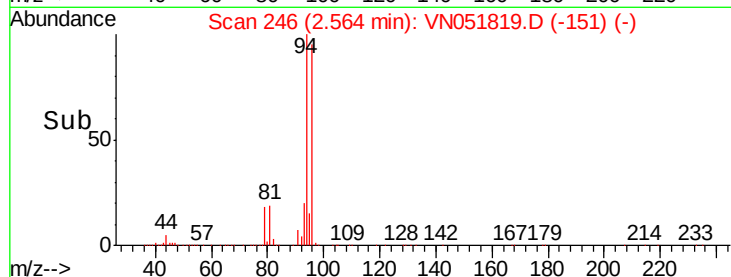
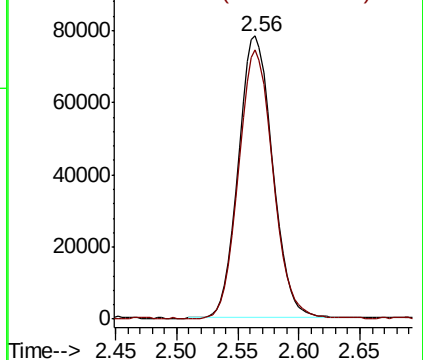
94 100

96 95.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.269 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051819.D

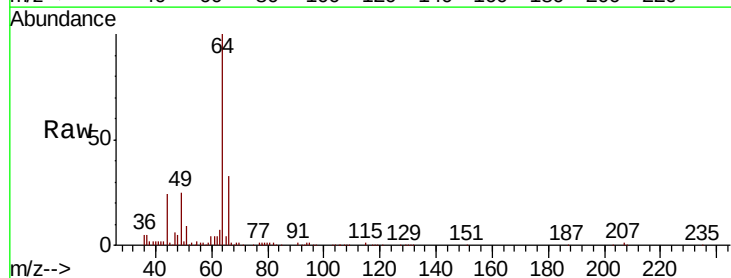
Acq: 11 Oct 2018 18:19

Tgt Ion: 64 Resp: 123651

Ion Ratio Lower Upper

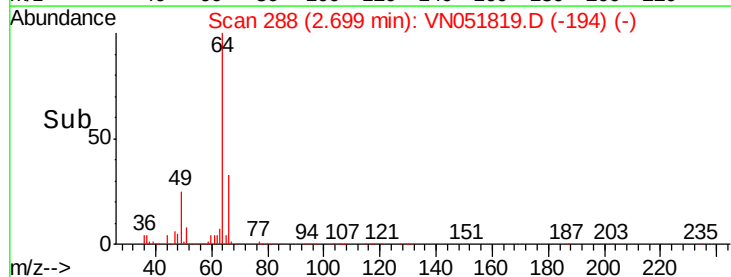
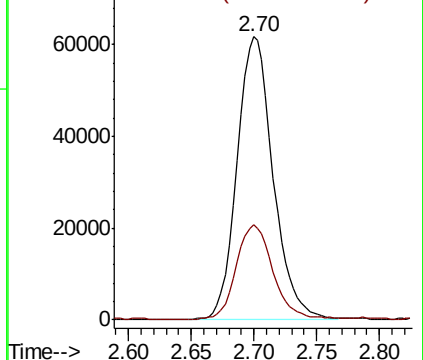
64 100

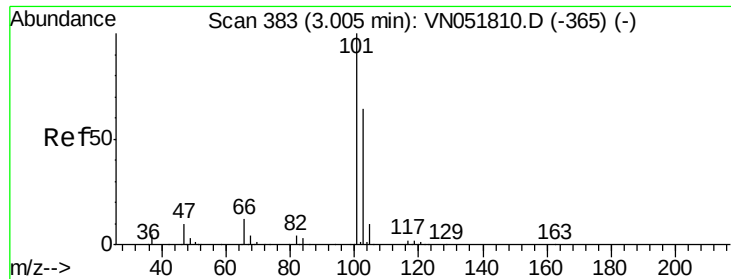
66 33.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



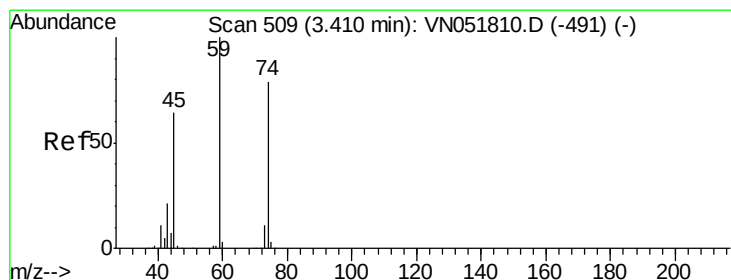
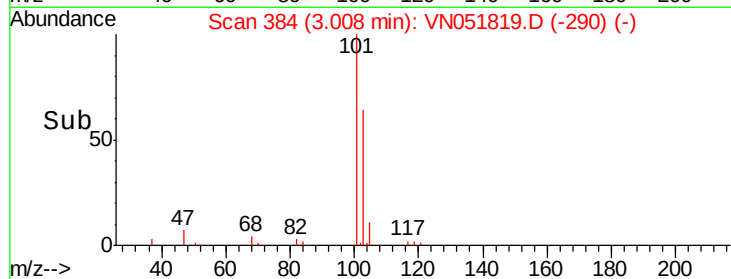
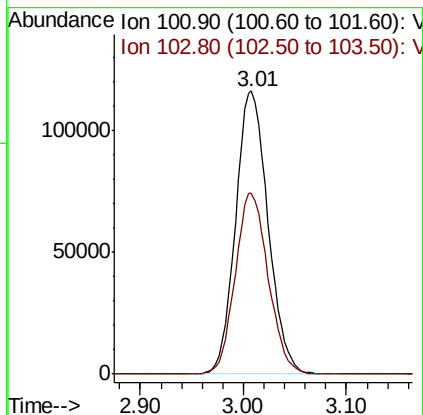
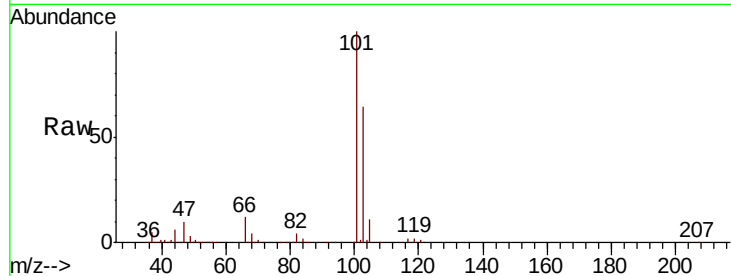


#7

Trichlorofluoromethane
 Concen: 20.677 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Instrument :
 MSVOA_N
 ClientSampleId :

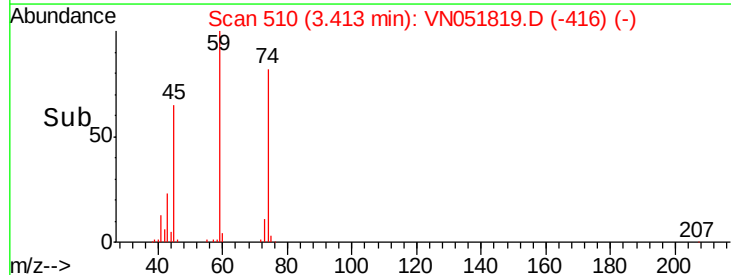
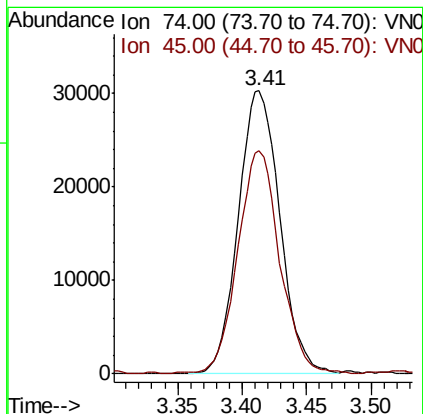
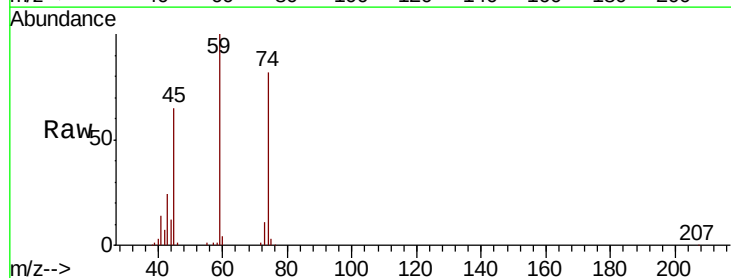
Tot Ion:101 Resp: 255113
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.6 77.4

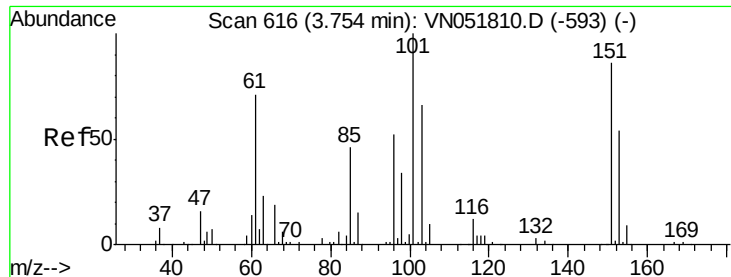


#8

Diethyl Ether
 Concen: 20.017 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion: 74 Resp: 68110
 Ion Ratio Lower Upper
 74 100
 45 79.6 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.024 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampled :

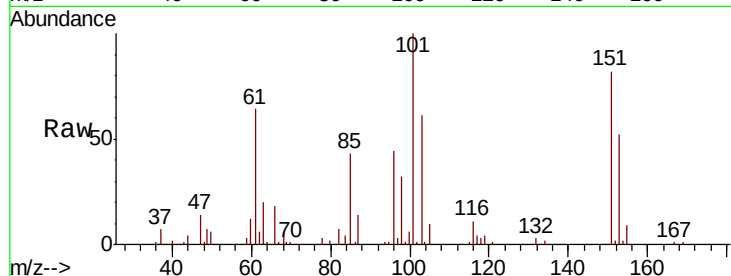
Tot Ion:101 Resp: 125159

Ion Ratio Lower Upper

101 100

85 44.4 33.7 50.5

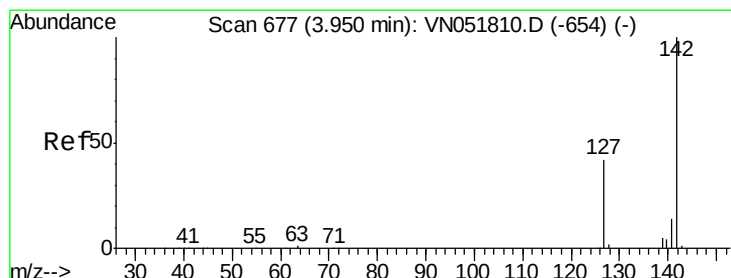
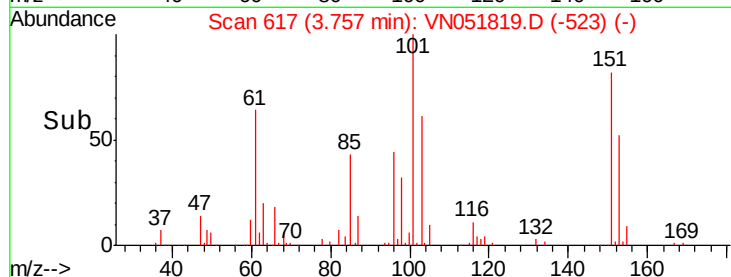
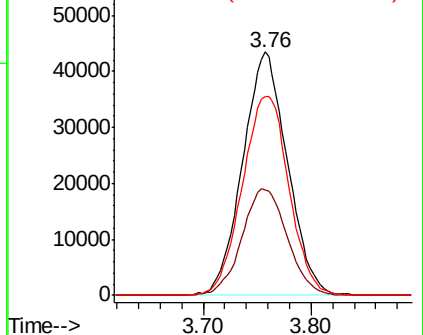
151 85.1 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.205 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

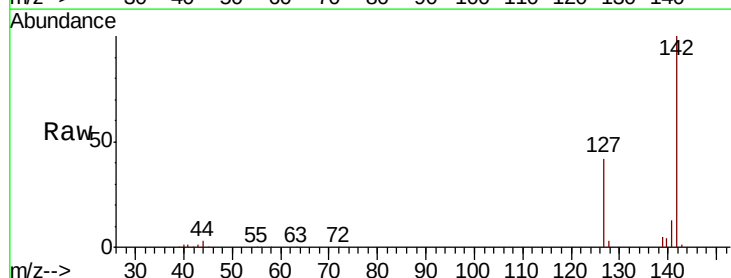
Tgt Ion:142 Resp: 149158

Ion Ratio Lower Upper

142 100

127 44.6 31.7 47.5

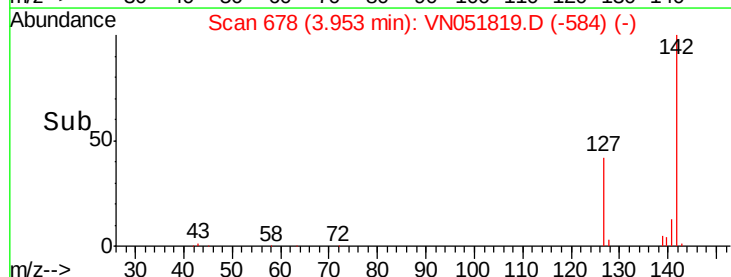
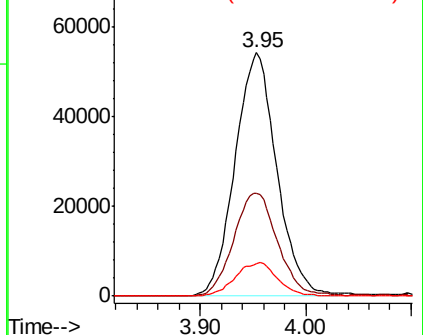
141 14.0 11.4 17.0

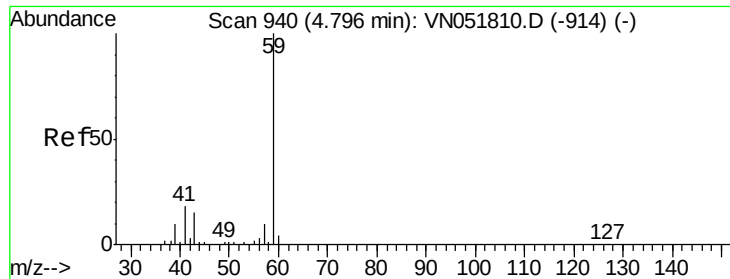


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

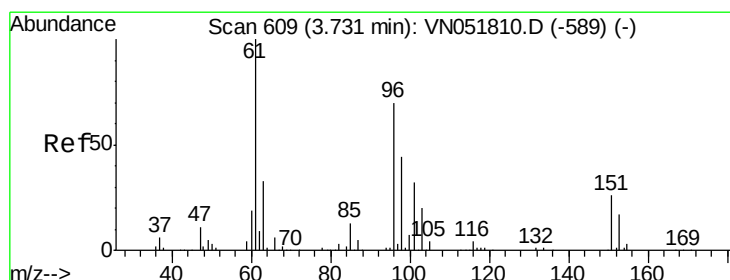
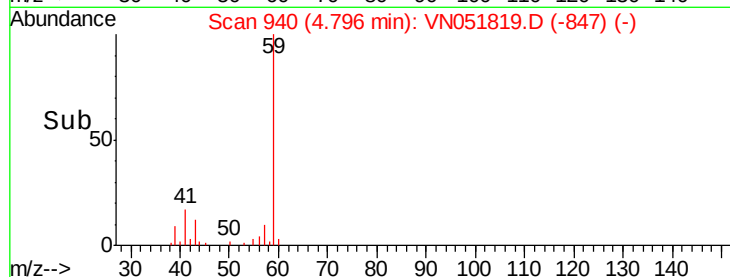
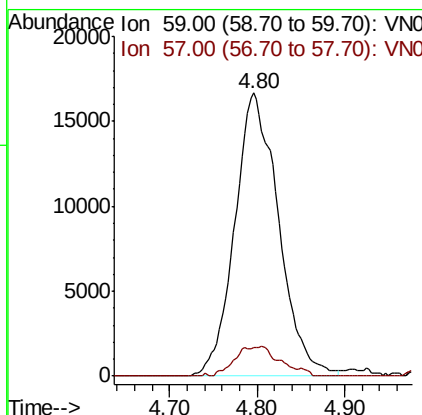
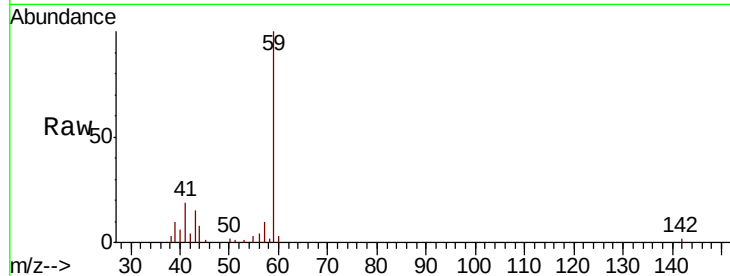




#11
Tert butyl alcohol
Concen: 100.121 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

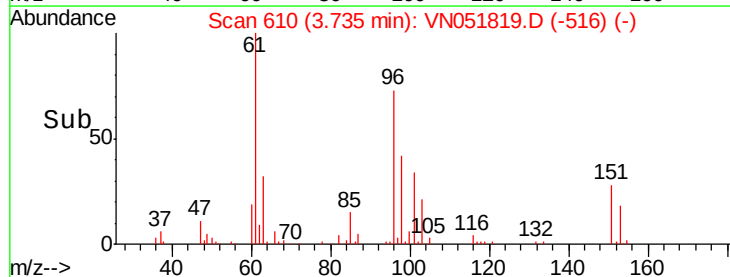
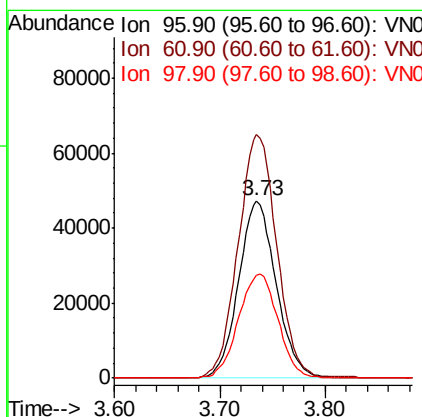
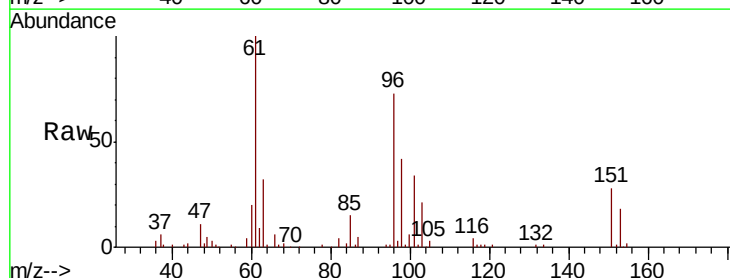
Instrument :
MSVOA_N
ClientSampleId :

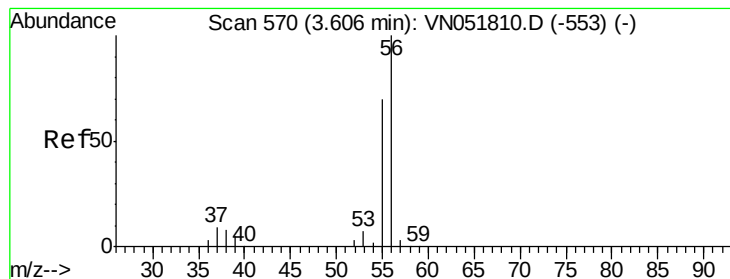
Tot Ion: 59 Resp: 57985
Ion Ratio Lower Upper
59 100
57 4.2 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 19.791 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 96 Resp: 117034
Ion Ratio Lower Upper
96 100
61 137.2 124.9 187.3
98 57.9 51.1 76.7





#13

Acrolein

Concen: 105.130 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

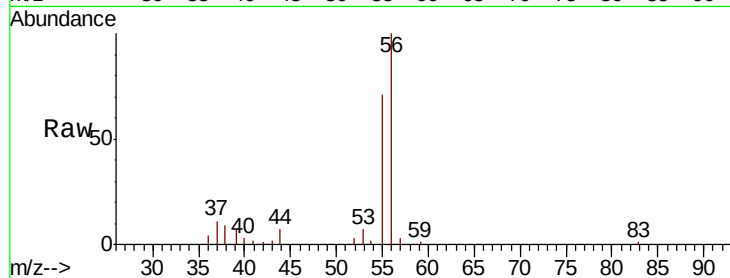
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 56560

Ion Ratio Lower Upper

56 100

55 73.8 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

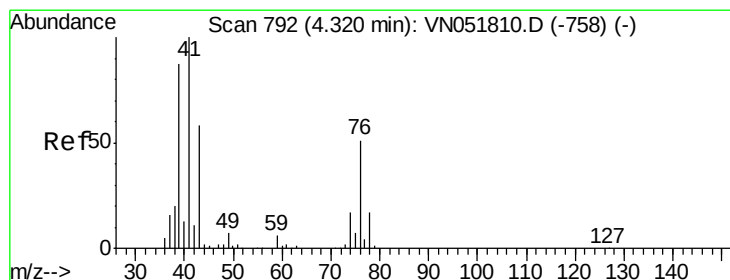
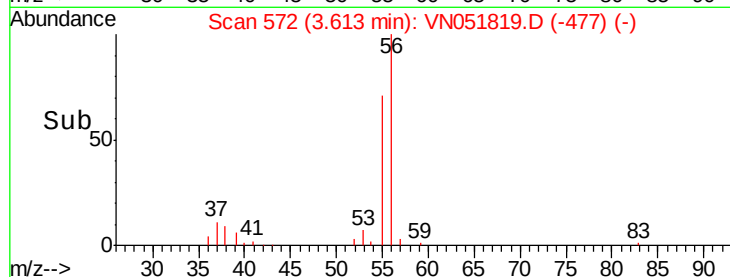
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 19.686 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

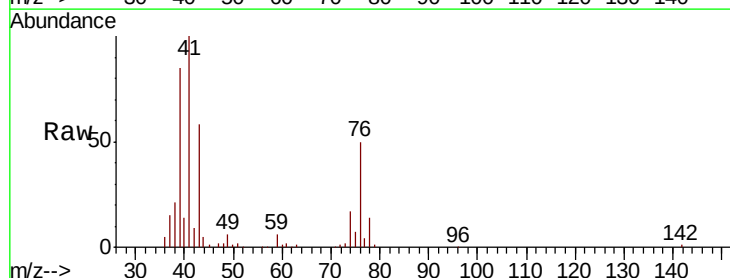
Tgt Ion: 41 Resp: 146158

Ion Ratio Lower Upper

41 100

39 84.1 50.2 75.2#

76 46.8 29.8 44.8#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

60000

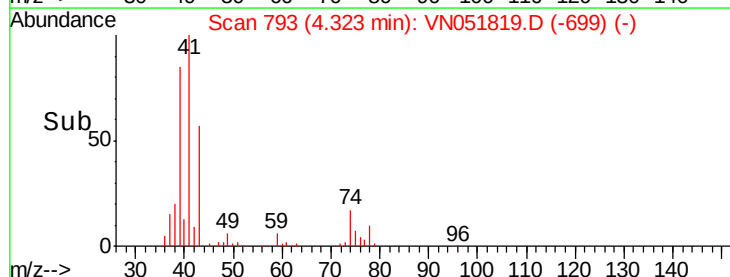
40000

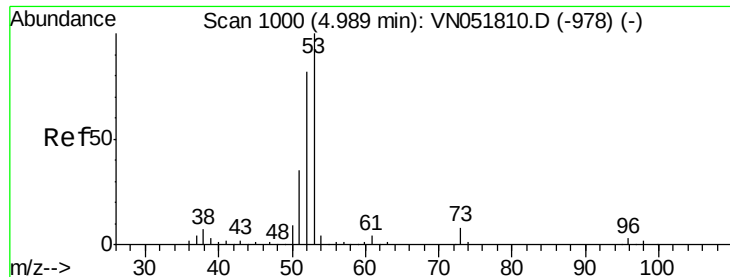
20000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 102.449 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

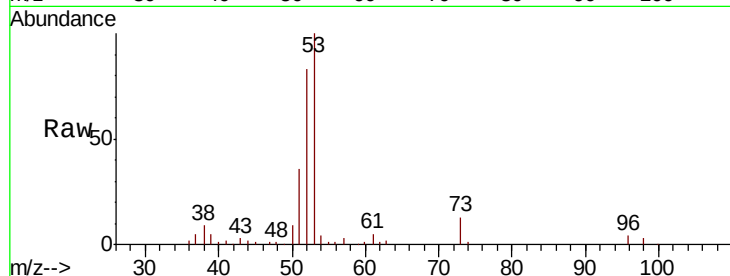
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 53 Resp: 193137

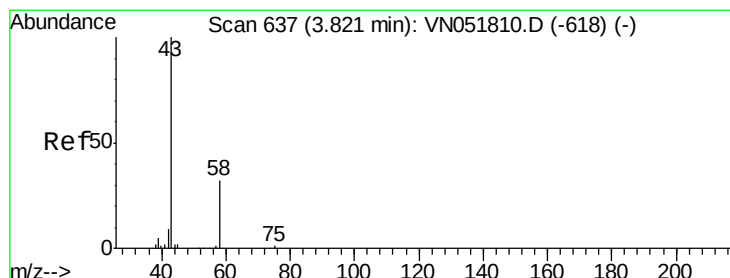
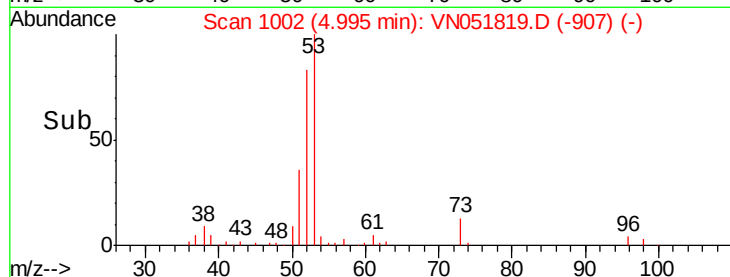
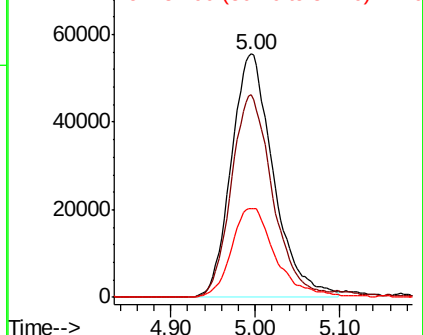
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.9	98.9
51	38.1	28.6	43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 83.610 ug/l

RT: 3.82 min Scan# 637

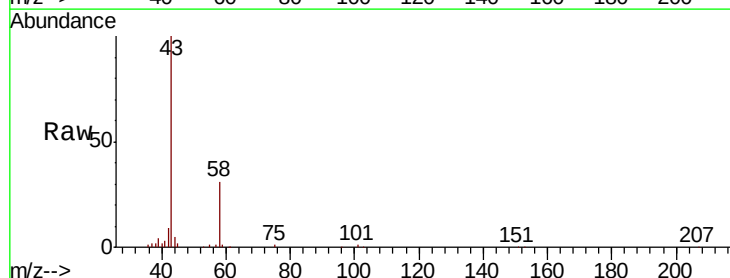
Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

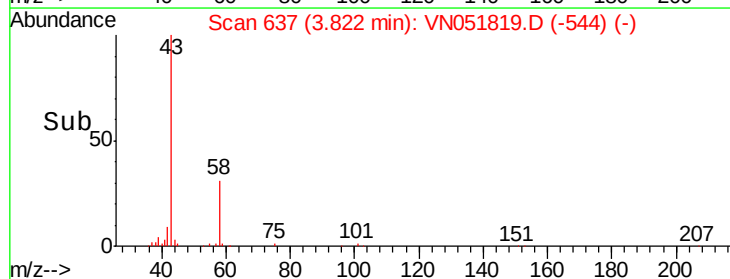
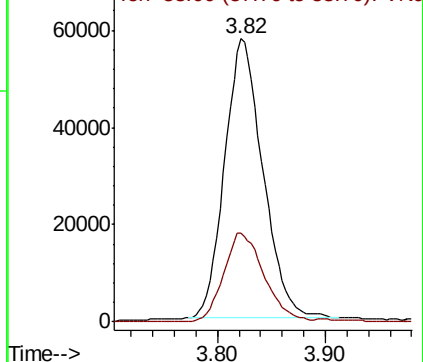
Tgt Ion: 43 Resp: 141997

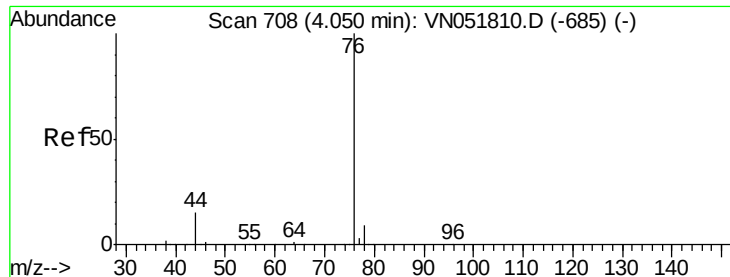
Ion	Ratio	Lower	Upper
43	100		
58	31.7	27.2	40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

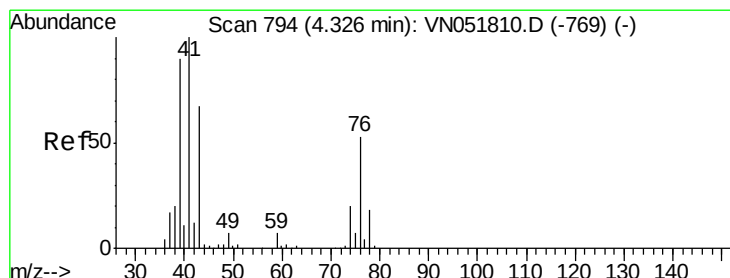
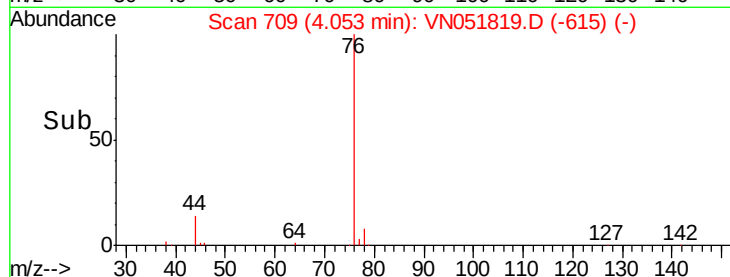
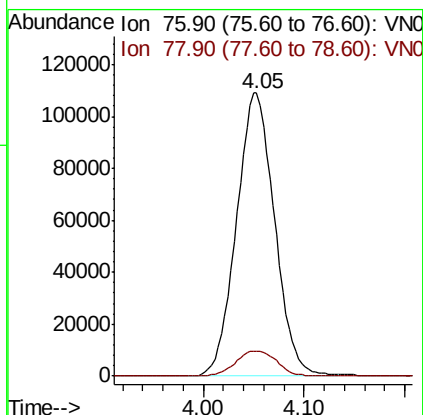
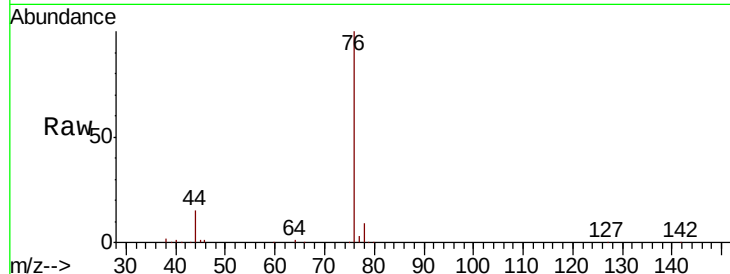




#17
Carbon Disulfide
Concen: 17.831 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

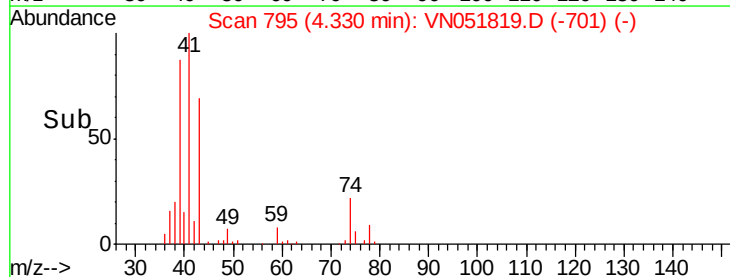
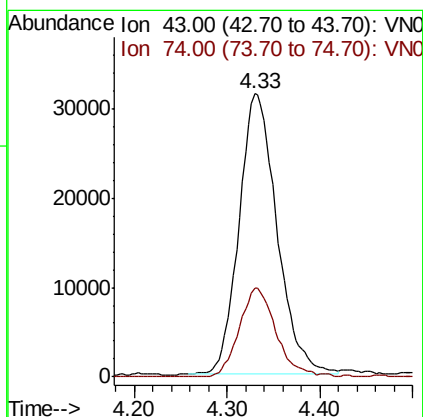
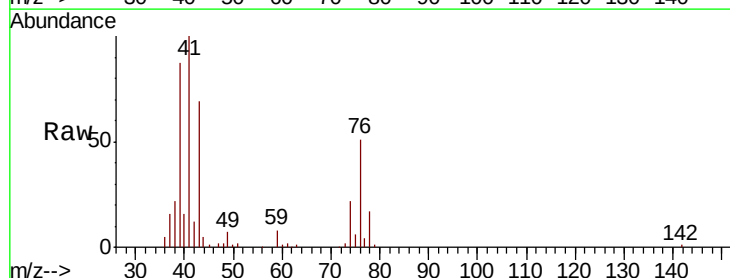
Instrument :
MSVOA_N
ClientSampled :

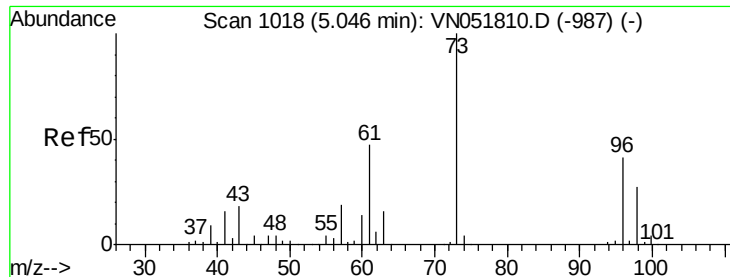
Tot Ion: 76 Resp: 285446
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 18.439 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 43 Resp: 89418
Ion Ratio Lower Upper
43 100
74 30.4 19.8 29.8#

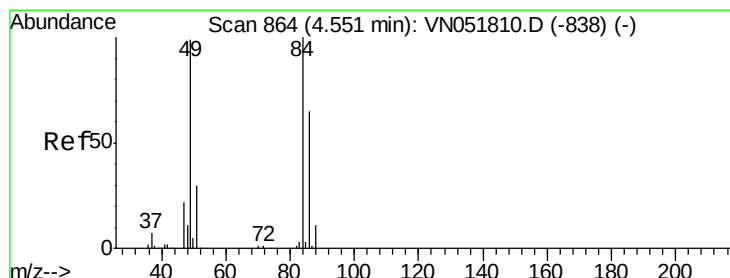
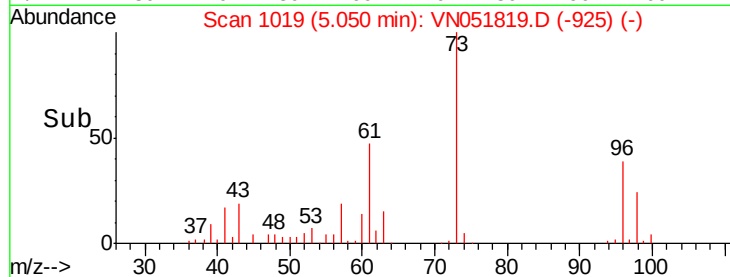
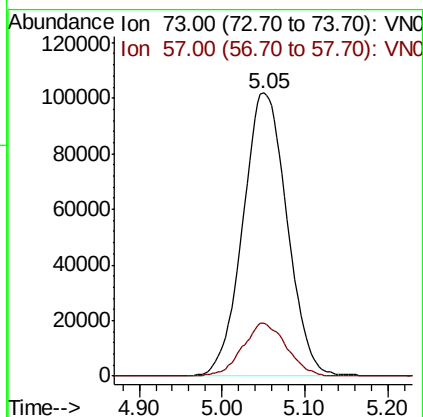
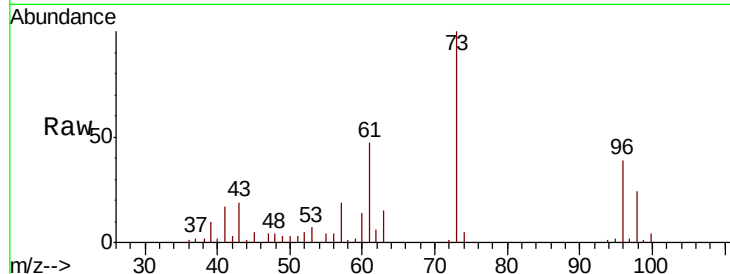




#19
Methyl tert-butyl Ether
Concen: 20.299 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

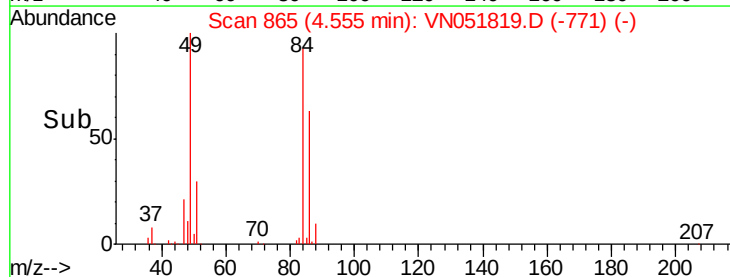
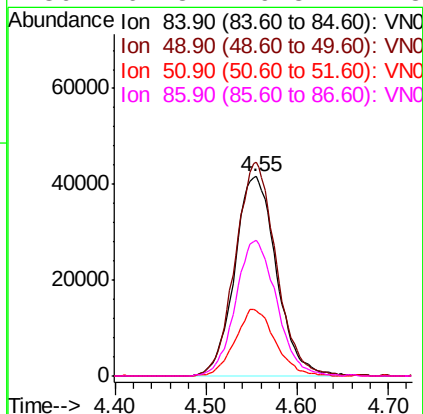
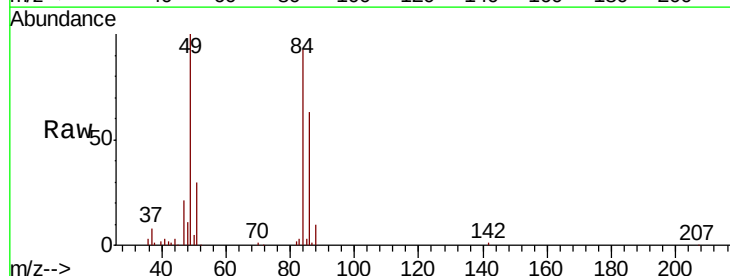
Instrument :
MSVOA_N
ClientSampled :

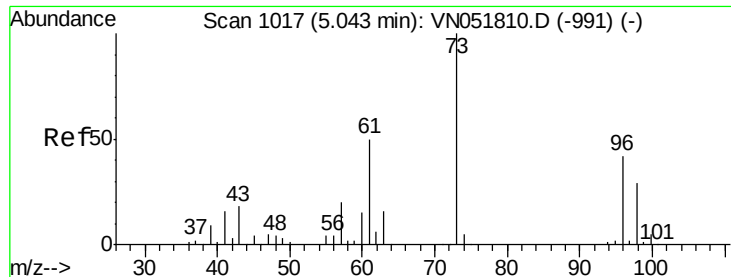
Tot Ion: 73 Resp: 377907
Ion Ratio Lower Upper
73 100
57 18.7 17.8 26.8



#20
Methylene Chloride
Concen: 18.861 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 84 Resp: 132563
Ion Ratio Lower Upper
84 100
49 107.0 93.2 139.8
51 32.5 29.0 43.6
86 67.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.131 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampled :

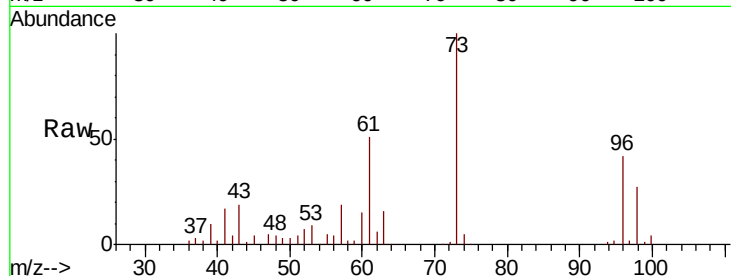
Tot Ion: 96 Resp: 132838

Ion Ratio Lower Upper

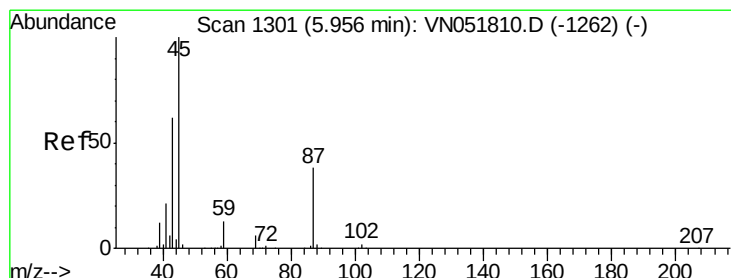
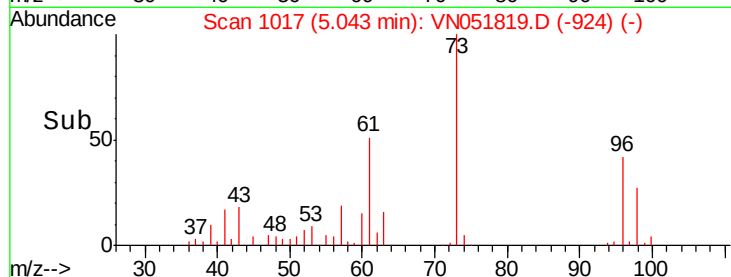
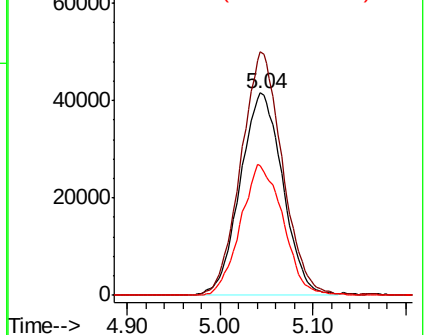
96 100

61 120.4 107.4 161.0

98 64.0 50.7 76.1



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



#22

Diisopropyl ether

Concen: 20.140 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Tgt Ion: 45 Resp: 330442

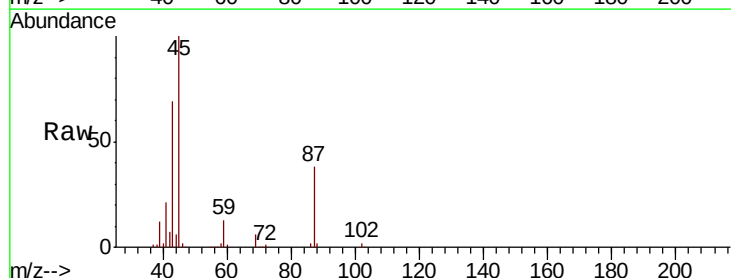
Ion Ratio Lower Upper

45 100

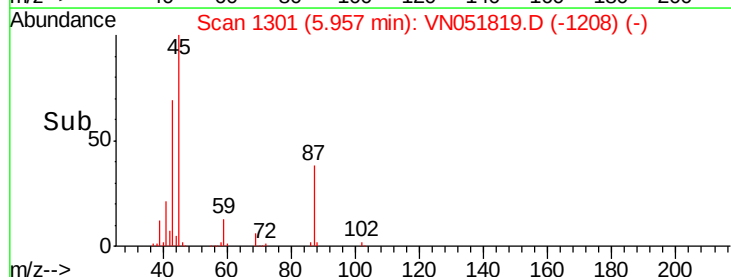
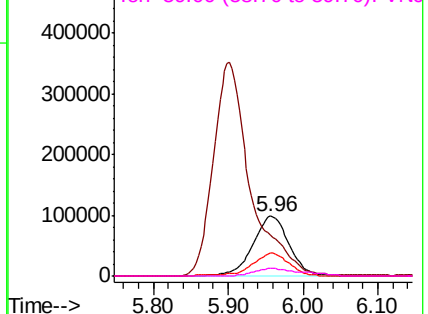
43 67.1 45.9 68.9

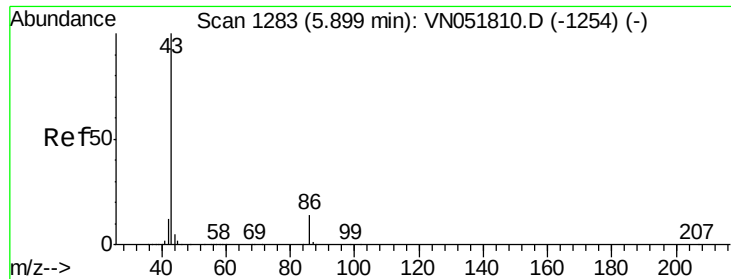
87 38.2 22.7 34.1#

59 12.3 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.929 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

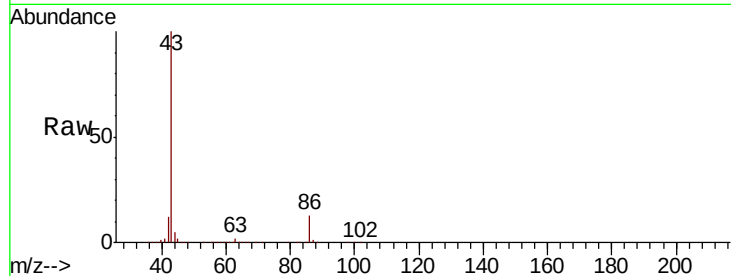
ClientSampleId :

Tot Ion: 43 Resp: 1211490

Ion Ratio Lower Upper

43 100

86 13.5 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VN051819.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN051819.D (-1254) (-)

5.90

400000

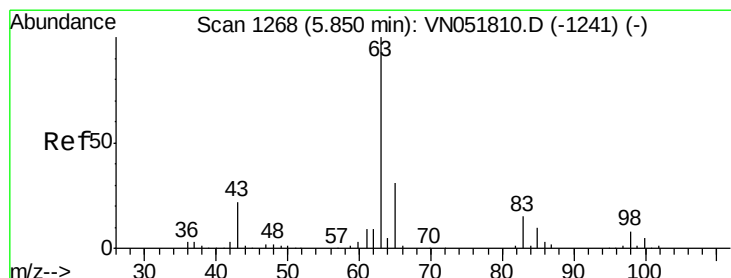
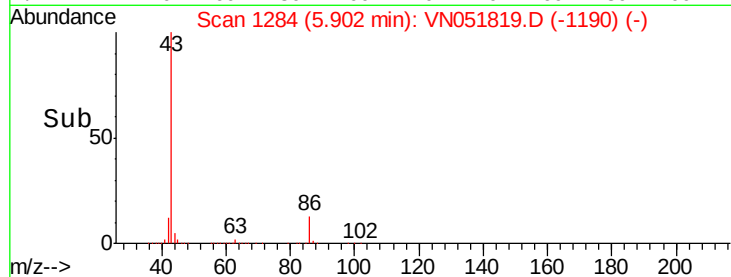
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.727 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

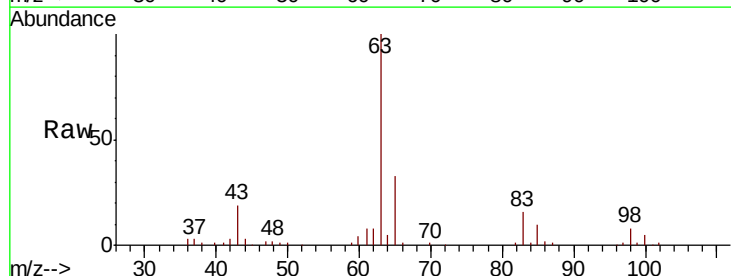
Tgt Ion: 63 Resp: 222360

Ion Ratio Lower Upper

63 100

98 7.8 3.3 9.8

100 4.7 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN051819.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN051819.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN051819.D (-1175) (-)

5.85

80000

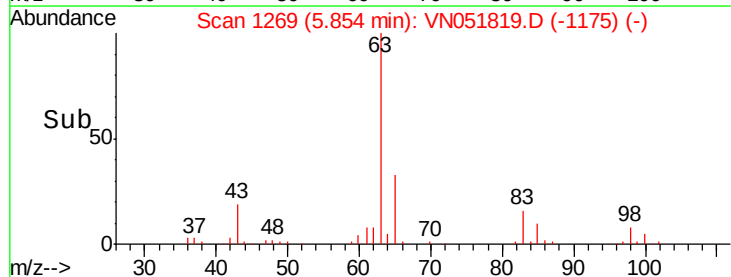
60000

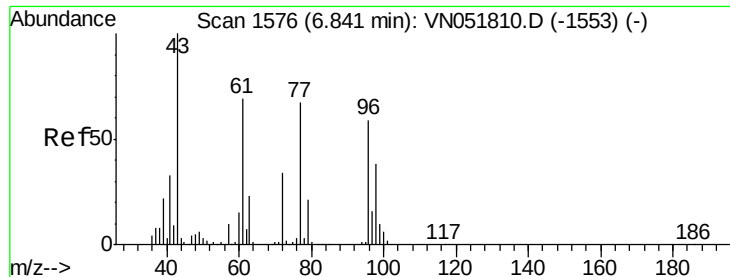
40000

20000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 94.642 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

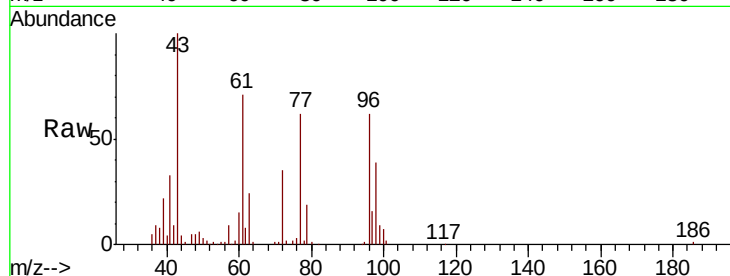
ClientSampled :

Tot Ion: 43 Resp: 227134

Ion Ratio Lower Upper

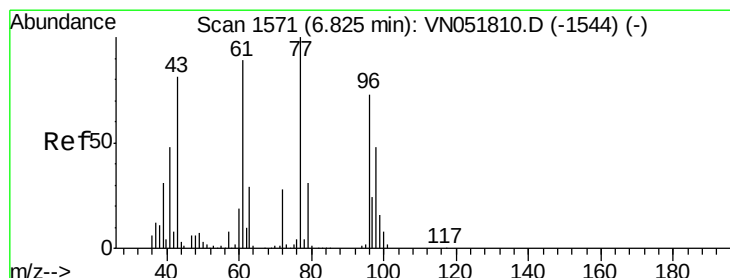
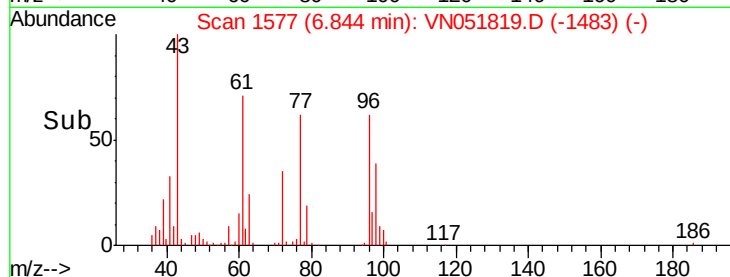
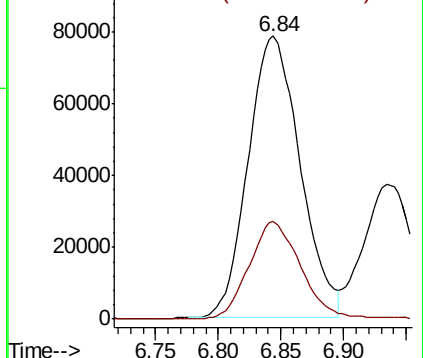
43 100

72 34.8 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 18.082 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN051819.D

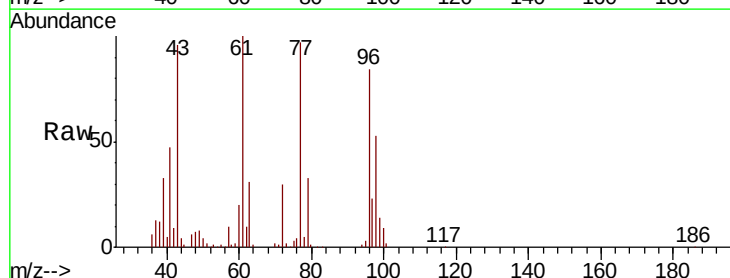
Acq: 11 Oct 2018 18:19

Tgt Ion: 77 Resp: 206370

Ion Ratio Lower Upper

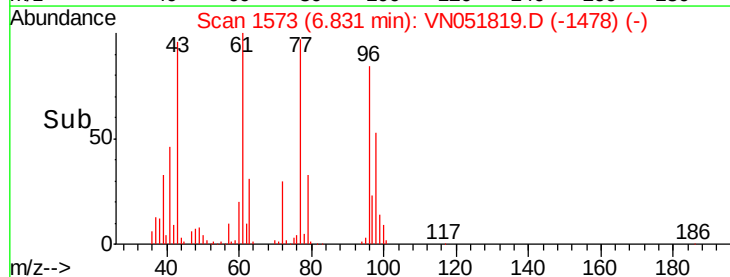
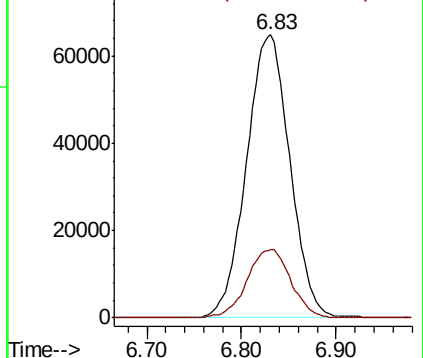
77 100

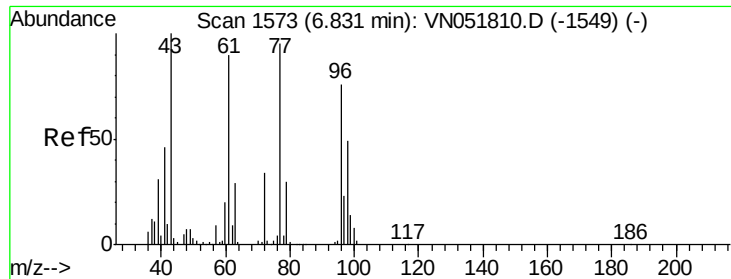
97 24.2 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.105 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampleId :

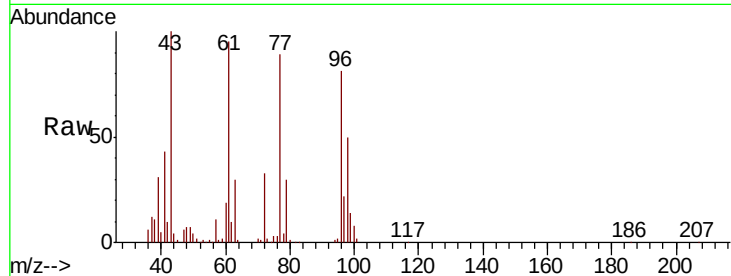
Tot Ion: 96 Resp: 160926

Ion Ratio Lower Upper

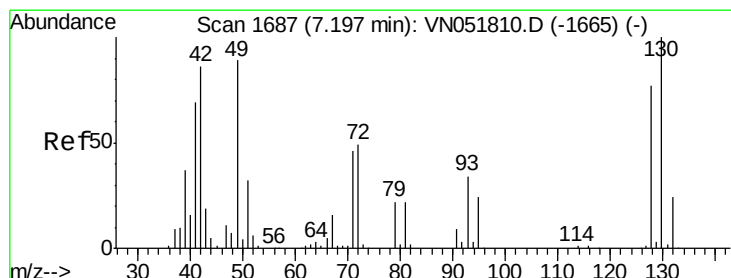
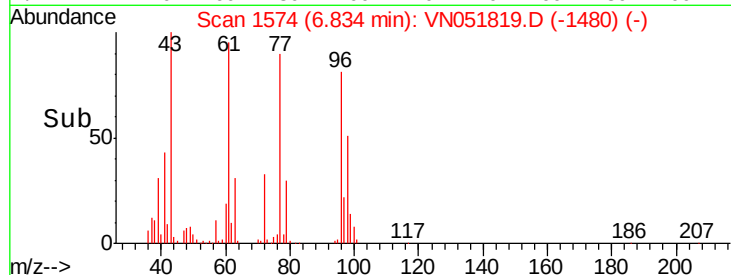
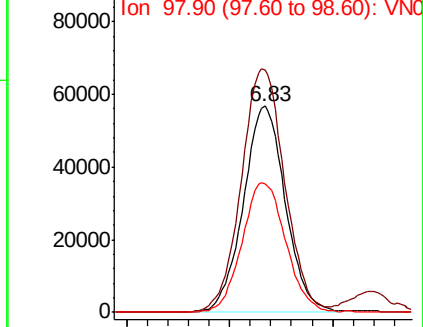
96 100

61 121.8 0.0 283.4

98 65.3 0.0 129.8



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: 20.281 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

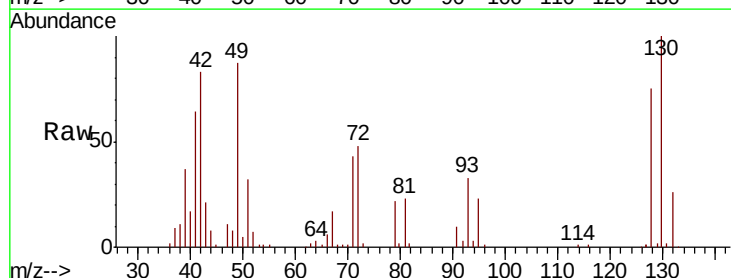
Tgt Ion: 49 Resp: 95918

Ion Ratio Lower Upper

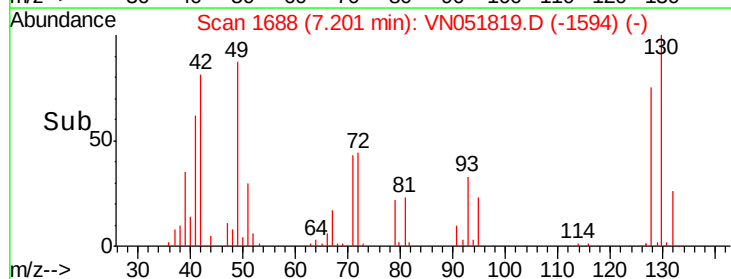
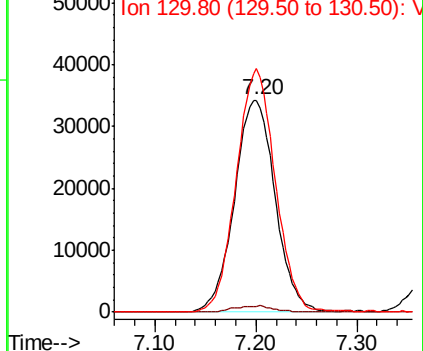
49 100

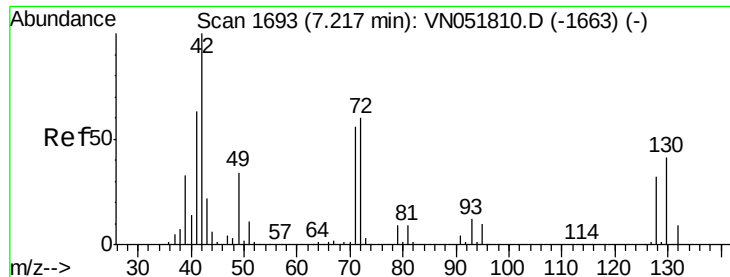
129 1.3 0.0 4.2

130 109.8 67.1 100.7#



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

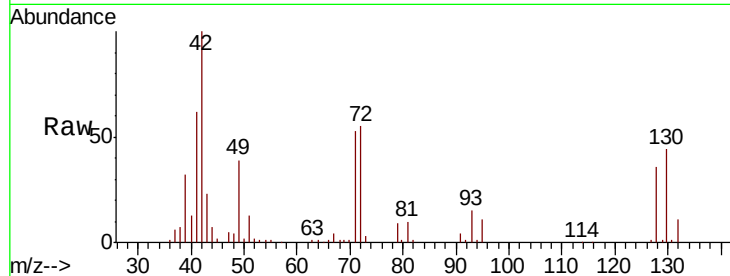




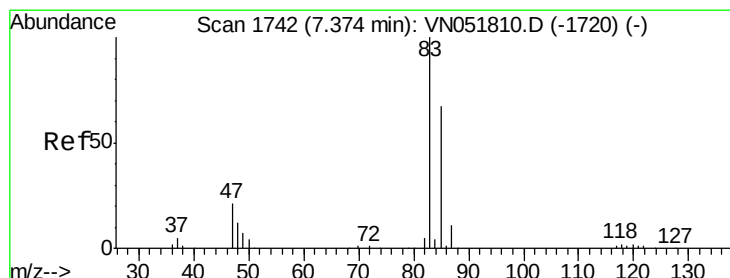
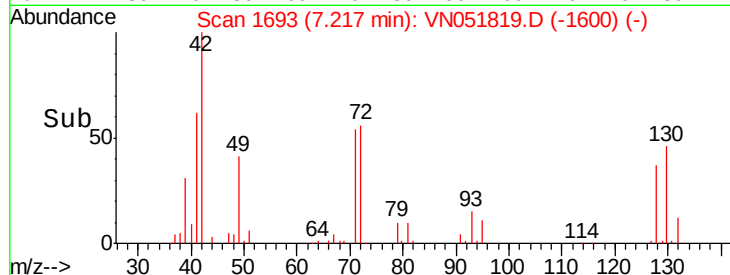
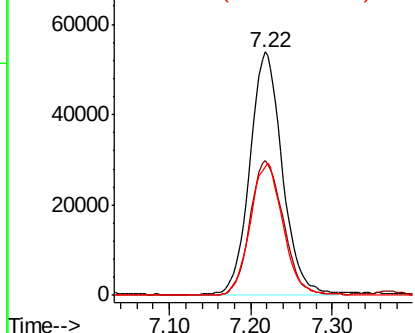
#29
Tetrahydrofuran
Concen: 104.053 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 148815
Ion Ratio Lower Upper
42 100
72 56.1 35.5 53.3#
71 54.3 33.7 50.5#

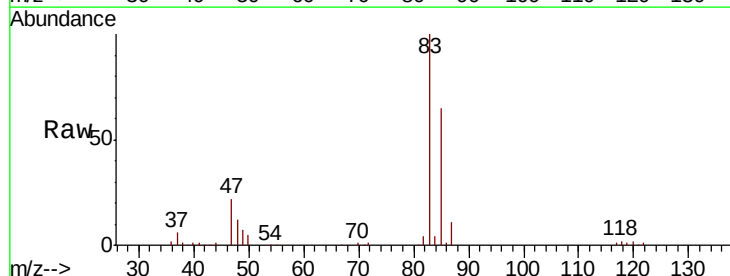


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

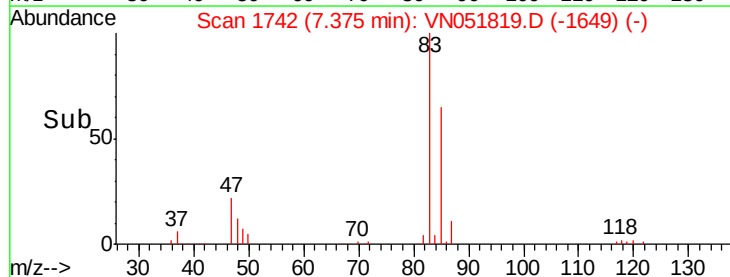
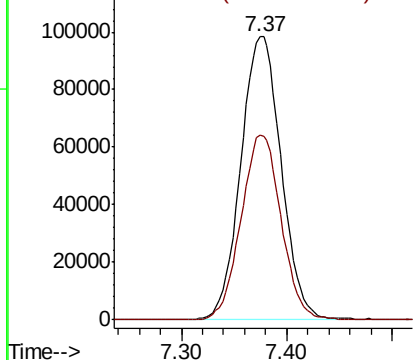


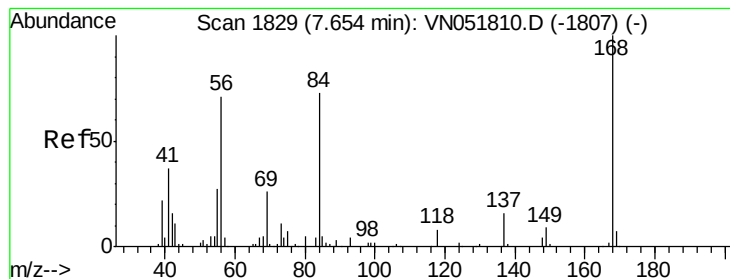
#30
Chloroform
Concen: 19.440 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 83 Resp: 262007
Ion Ratio Lower Upper
83 100
85 65.2 52.2 78.4



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





#31

Cyclohexane

Concen: 19.702 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampled :

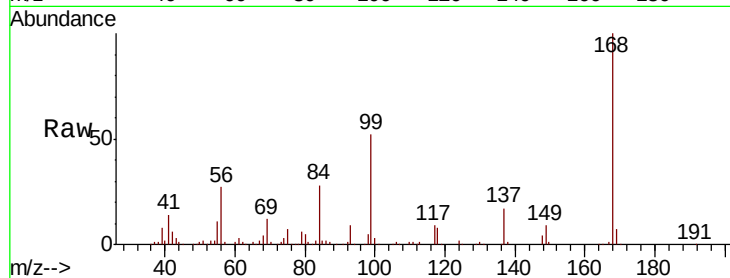
Tot Ion: 56 Resp: 196662

Ion Ratio Lower Upper

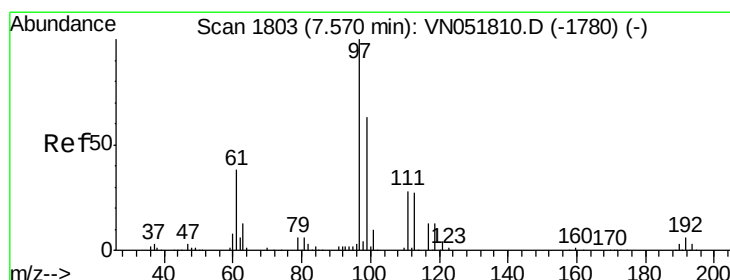
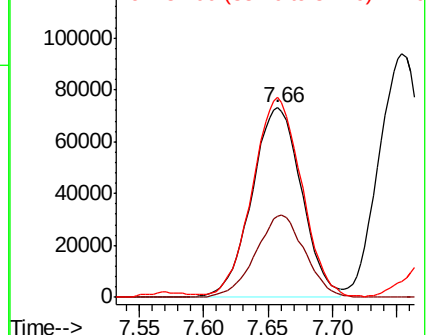
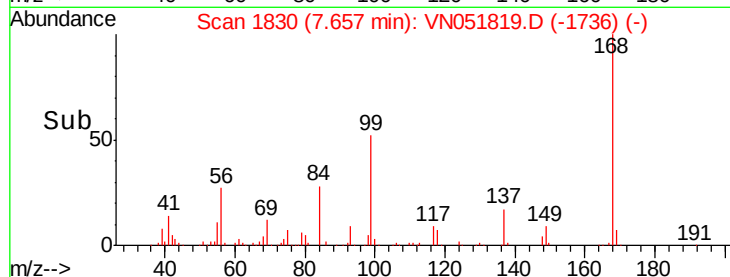
56 100

69 43.0 26.2 39.4#

84 103.6 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.541 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

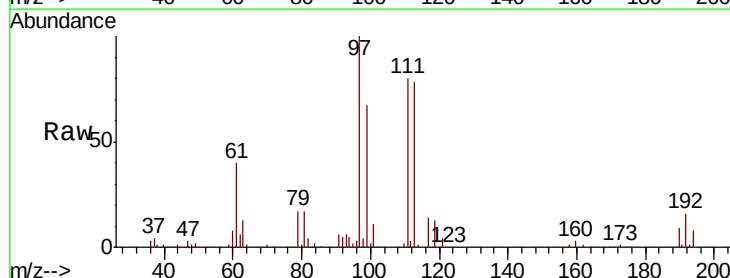
Tgt Ion: 97 Resp: 247260

Ion Ratio Lower Upper

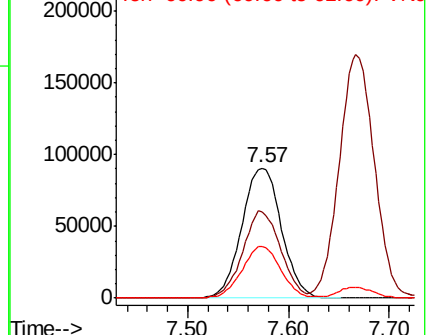
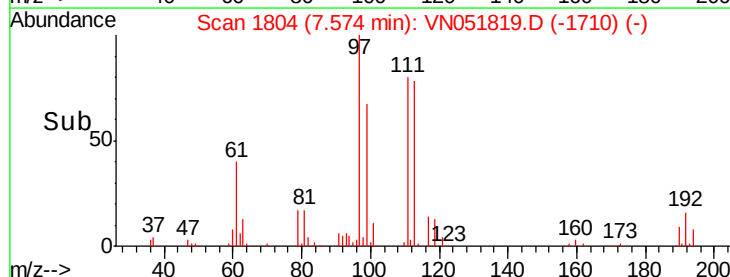
97 100

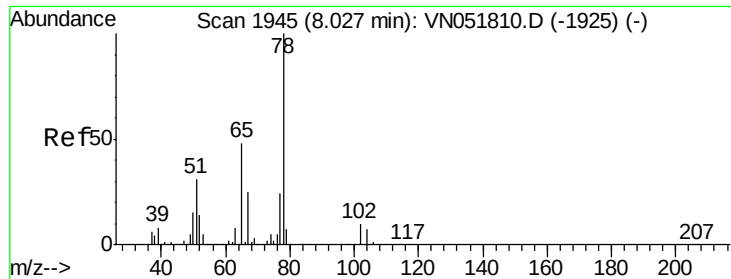
99 63.9 51.8 77.6

61 38.8 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

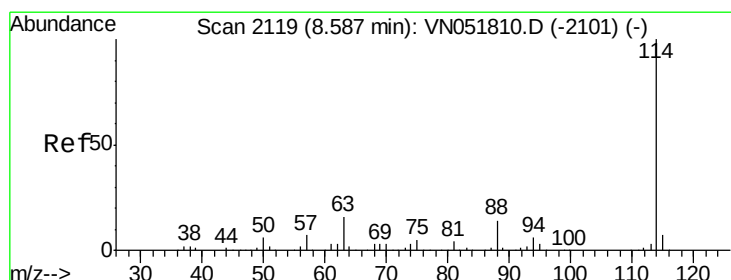
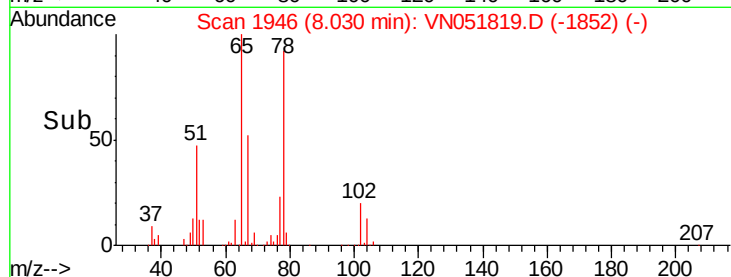
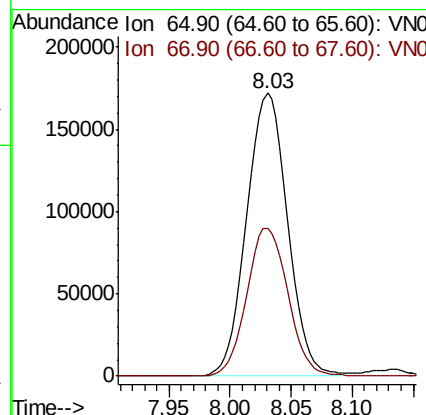
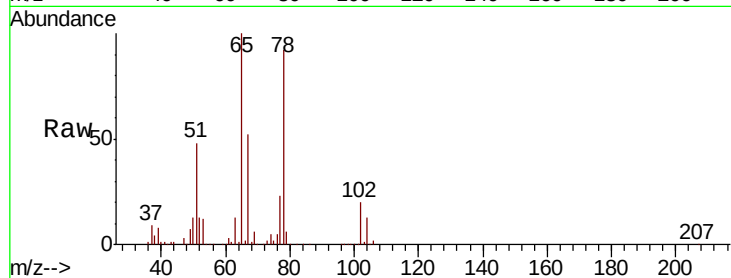




#33
 1,2-Dichloroethane-d4
 Concen: 19.541 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

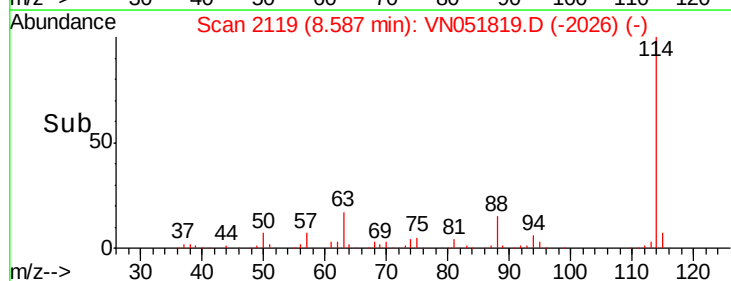
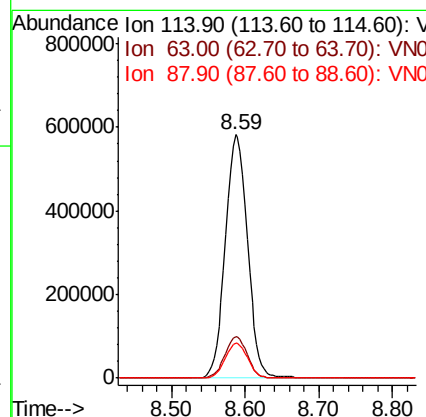
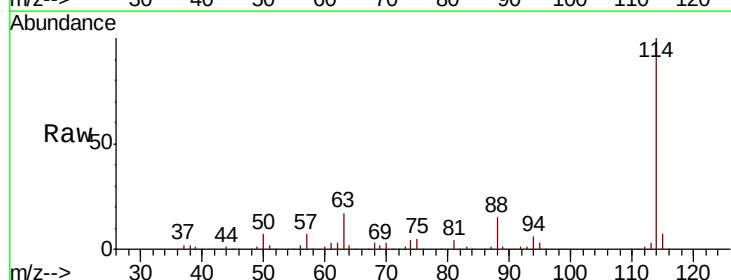
Instrument :
 MSVOA_N
 ClientSampleId :

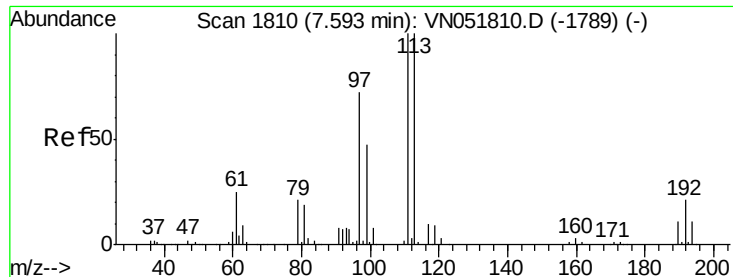
Tot Ion: 65 Resp: 400111
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion: 114 Resp: 1225969
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 38.6
 88 14.5 0.0 30.6

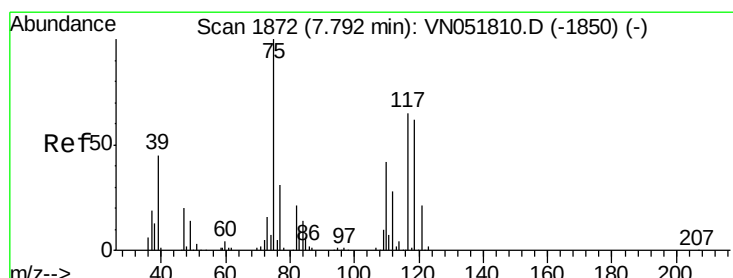
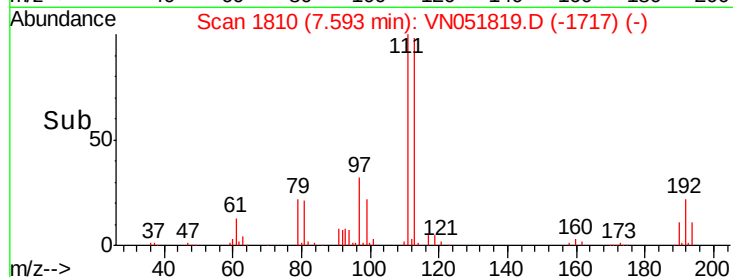
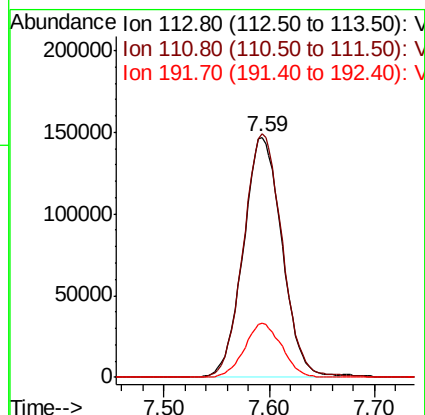
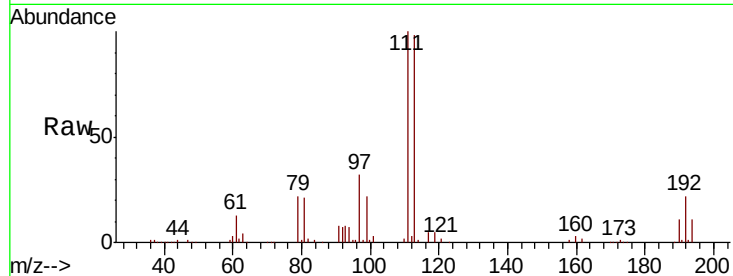




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

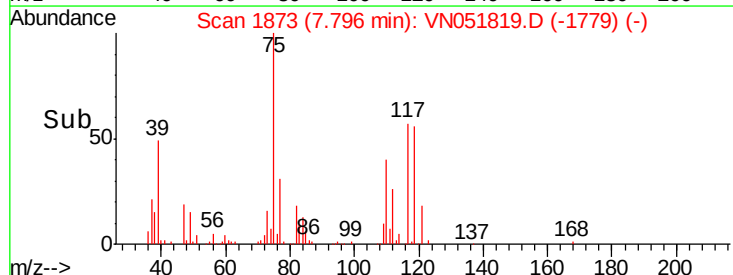
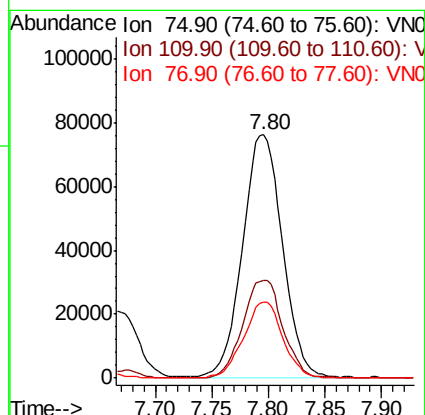
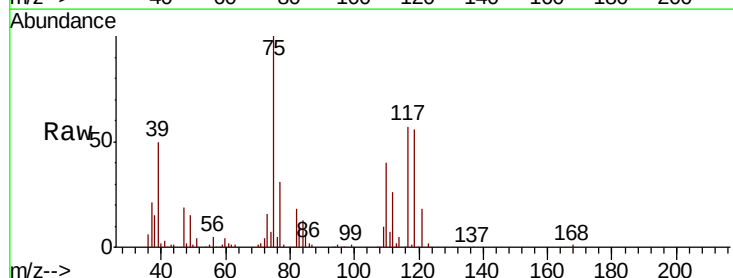
Instrument :
MSVOA_N
ClientSampleId :

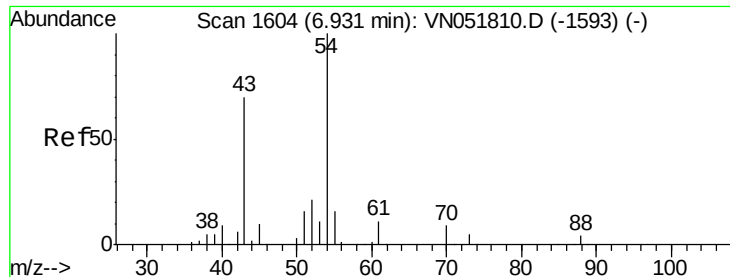
Tot Ion:113 Resp: 374417
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 21.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 18.786 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 75 Resp: 186449
Ion Ratio Lower Upper
75 100
110 40.6 18.1 54.4
77 31.1 24.8 37.2

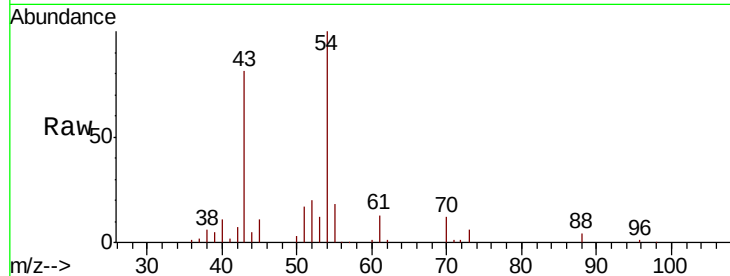




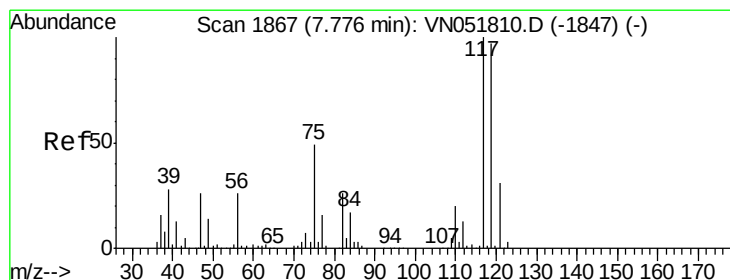
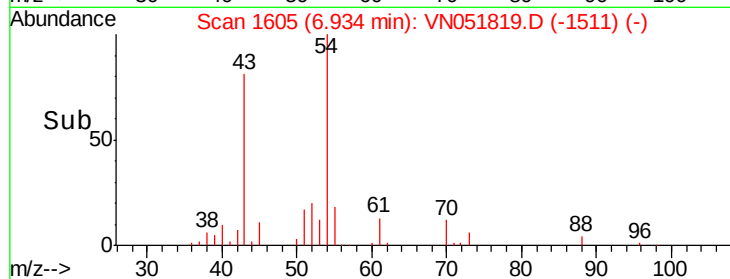
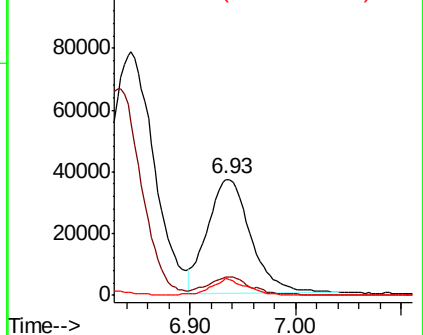
#37
Ethyl Acetate
Concen: 20.855 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 106274
Ion Ratio Lower Upper
43 100
61 15.0 12.0 18.0
70 11.9 8.6 13.0

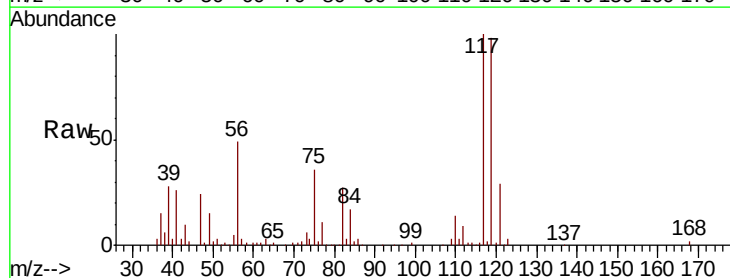


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

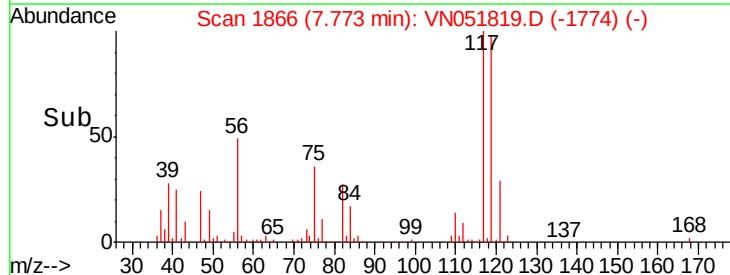
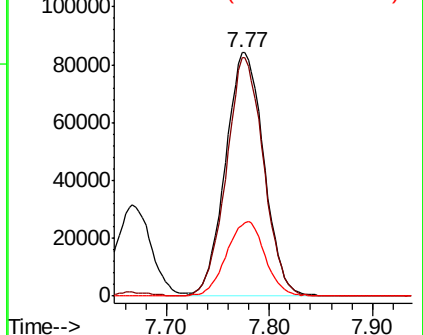


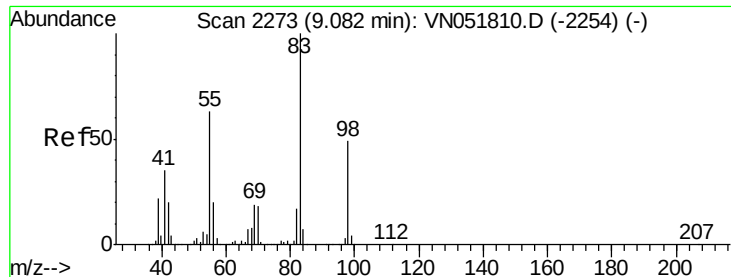
#38
Carbon Tetrachloride
Concen: 18.982 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 117 Resp: 218384
Ion Ratio Lower Upper
117 100
119 97.7 76.3 114.5
121 29.1 24.6 36.8



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

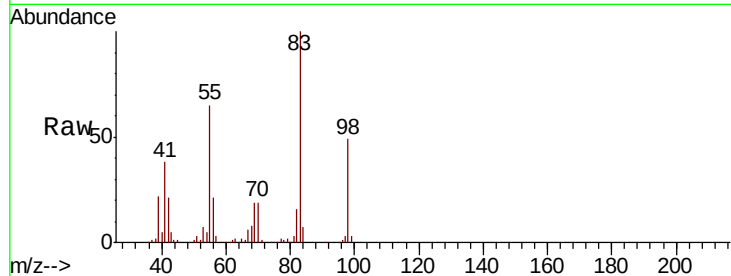




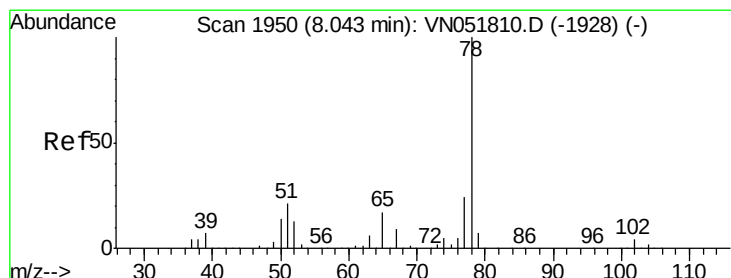
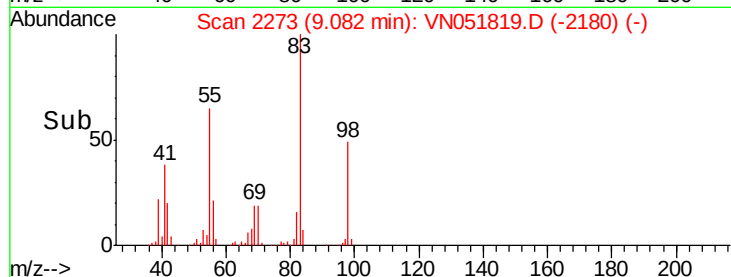
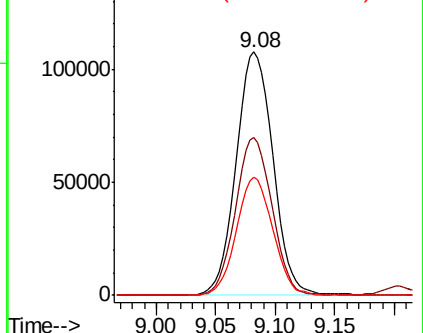
#39
Methylvlcyclohexane
Concen: 19.006 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 231727
Ion Ratio Lower Upper
83 100
55 64.8 61.0 91.4
98 48.8 37.5 56.3

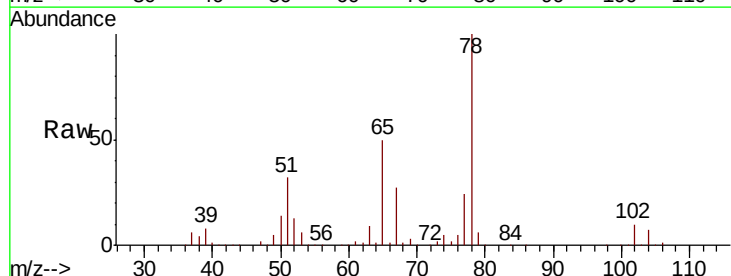


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

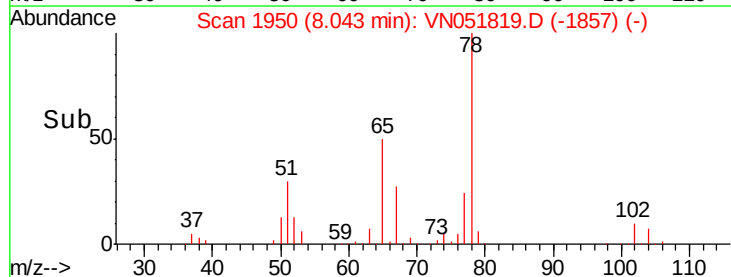
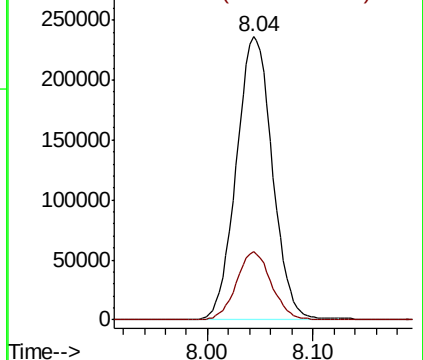


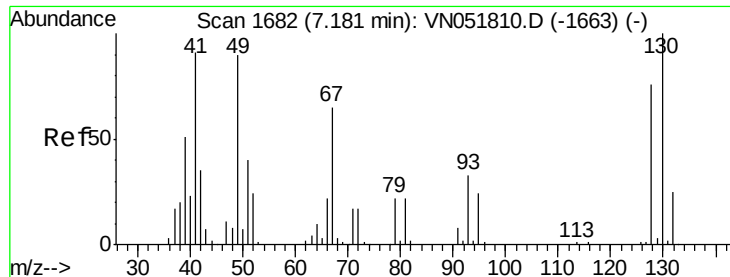
#40
Benzene
Concen: 19.603 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 78 Resp: 561258
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



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

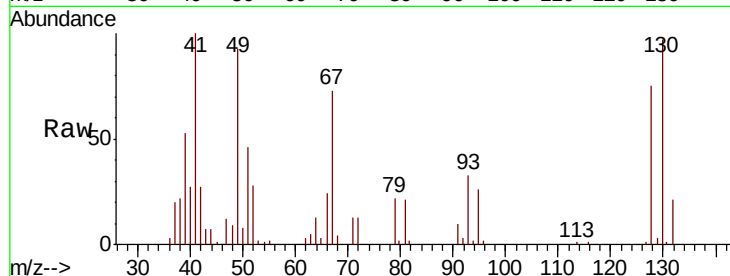




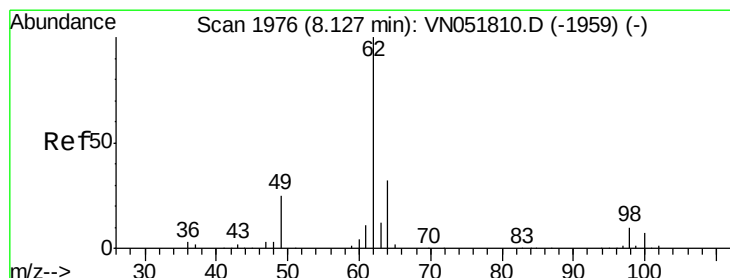
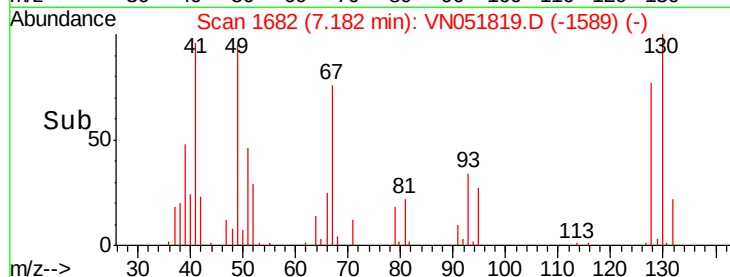
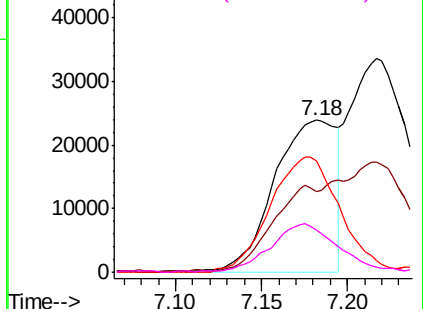
#41
Methacrylonitrile
Concen: 24.430 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 60017
Ion Ratio Lower Upper
41 100
39 38.5 45.4 68.0#
67 85.0 70.6 106.0
52 34.9 27.1 40.7

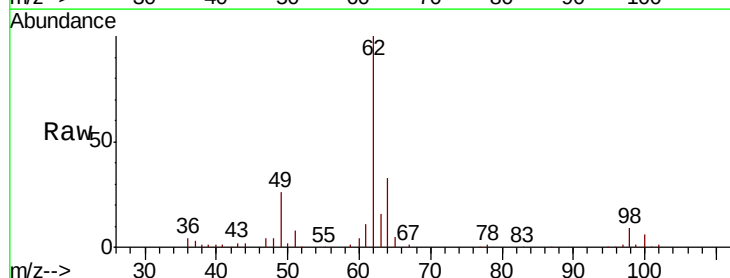


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

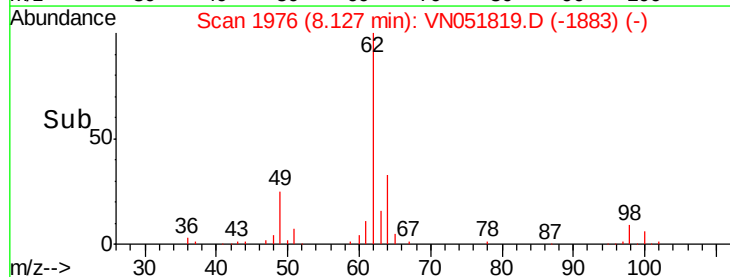
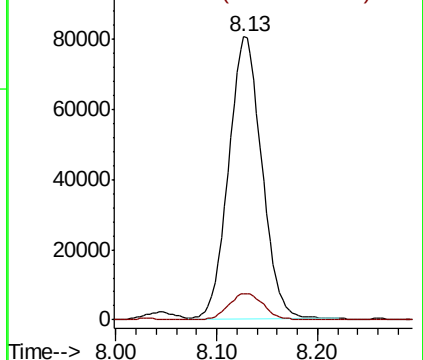


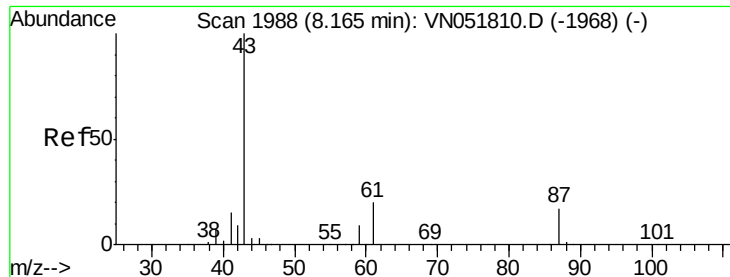
#42
1,2-Dichloroethane
Concen: 19.677 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 62 Resp: 184689
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 19.265 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

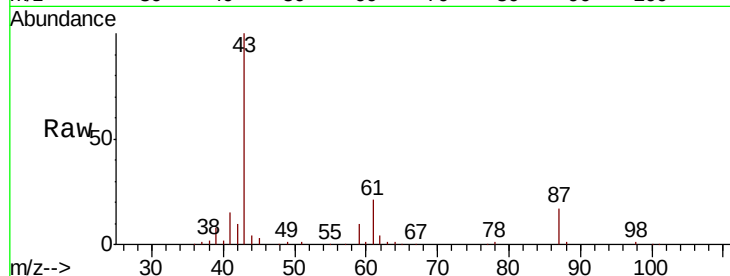
Tot Ion: 43 Resp: 197983

Ion Ratio Lower Upper

43 100

61 21.1 17.5 26.3

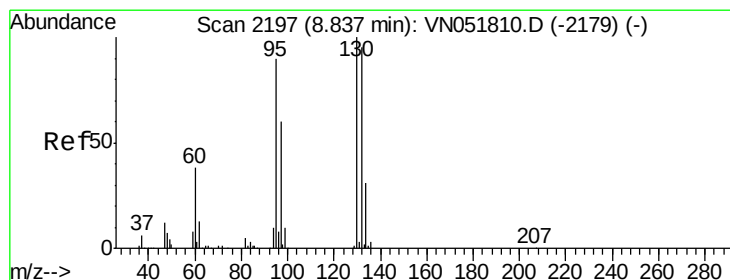
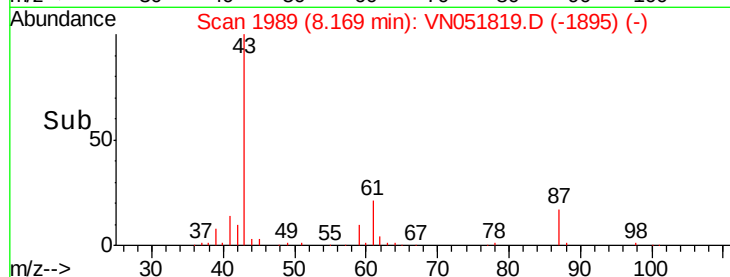
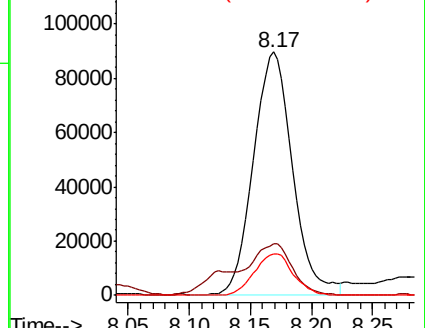
87 17.2 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VN051819.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN051819.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN051819.D (-1968) (-)



#44

Trichloroethene

Concen: 19.301 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051819.D

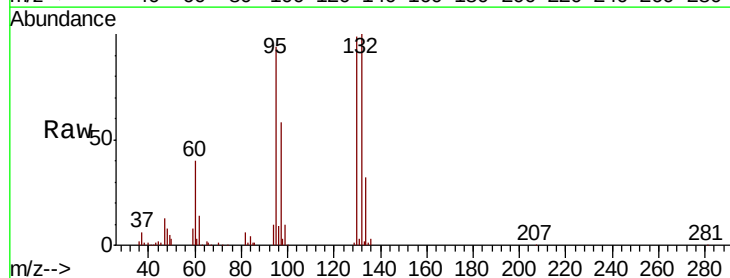
Acq: 11 Oct 2018 18:19

Tgt Ion:130 Resp: 168241

Ion Ratio Lower Upper

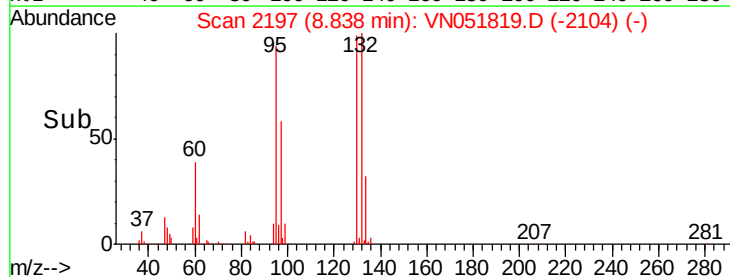
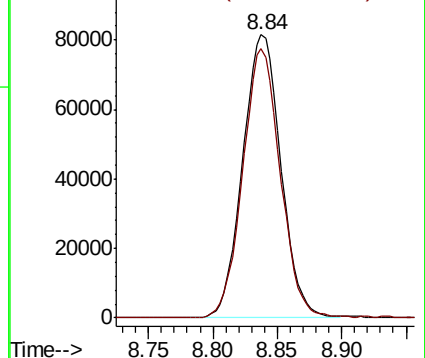
130 100

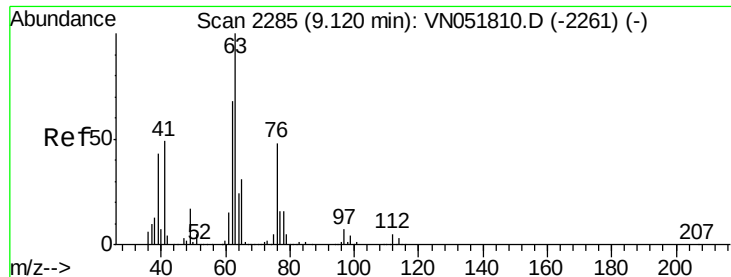
95 95.0 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN051819.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN051819.D (-2104) (-)

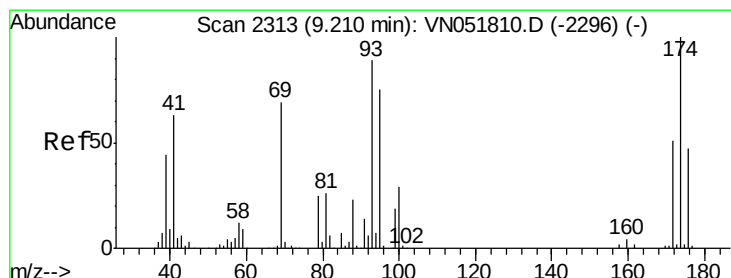
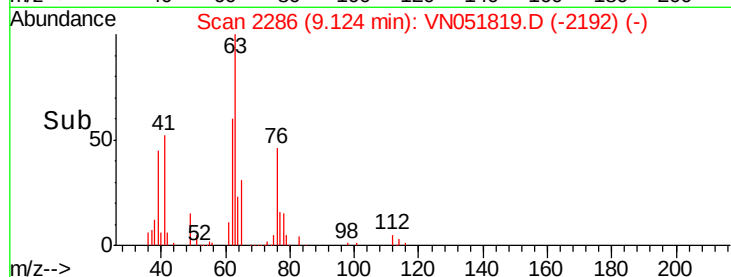
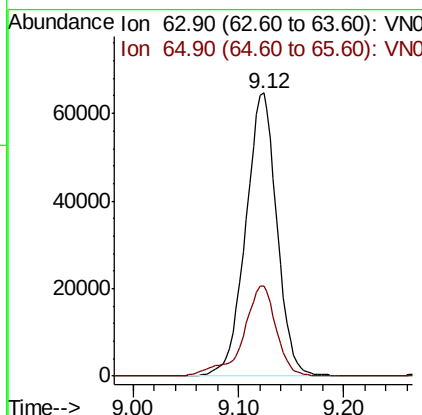
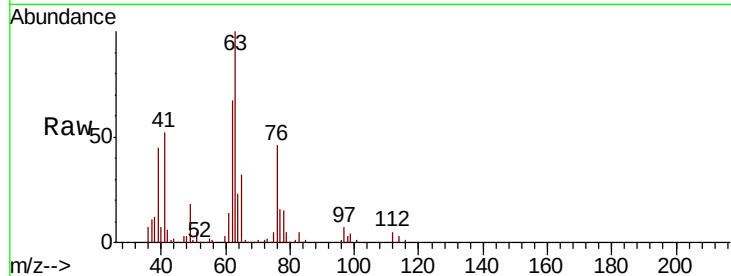




#45
 1,2-Dichloropropane
 Concen: 19.787 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

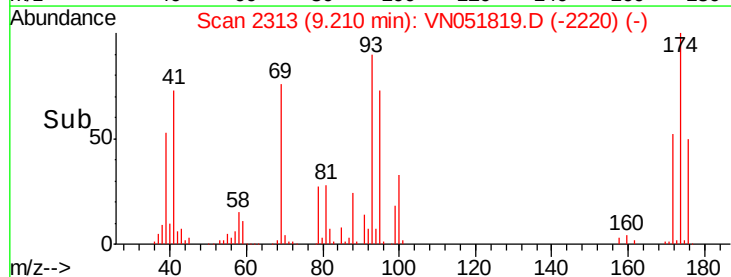
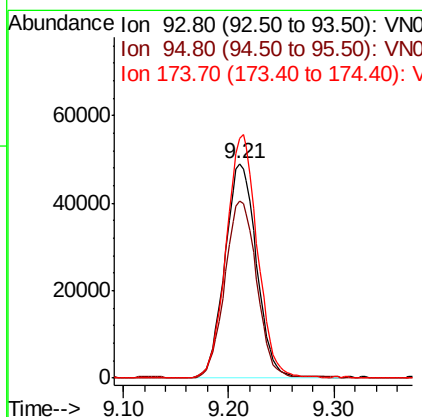
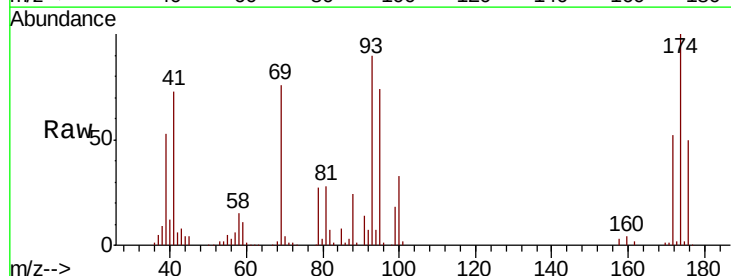
Instrument :
 MSVOA_N
 ClientSampleId :

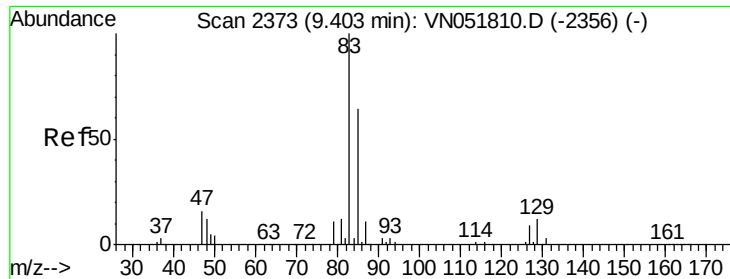
Tot Ion: 63 Resp: 133207
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 19.722 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion: 93 Resp: 101889
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.7 100.1
 174 111.4 89.8 134.6





#47

Bromodichloromethane

Concen: 19.550 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampled :

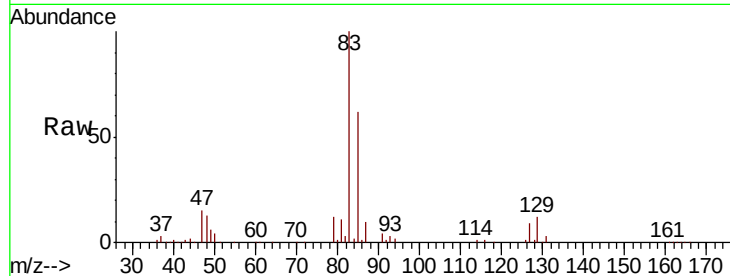
Tot Ion: 83 Resp: 201792

Ion Ratio Lower Upper

83 100

85 62.3 52.6 78.8

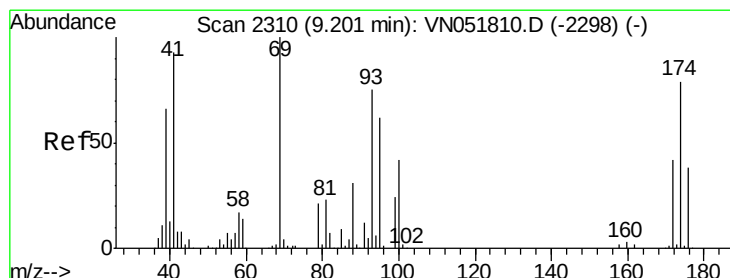
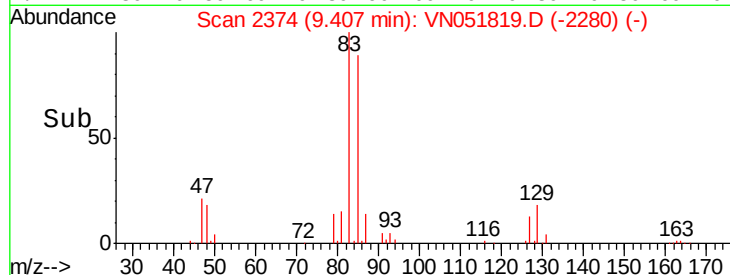
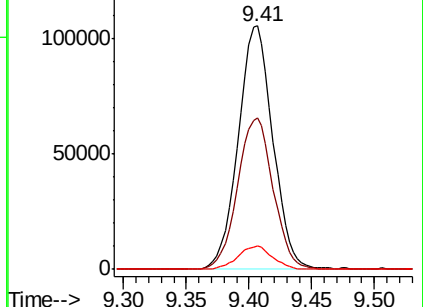
127 9.4 7.2 10.8



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: 20.591 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

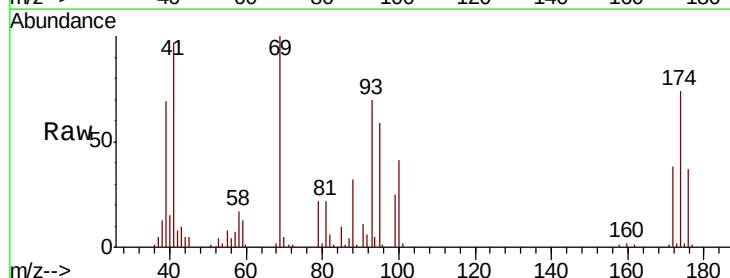
Tgt Ion: 41 Resp: 93470

Ion Ratio Lower Upper

41 100

69 105.1 74.7 112.1

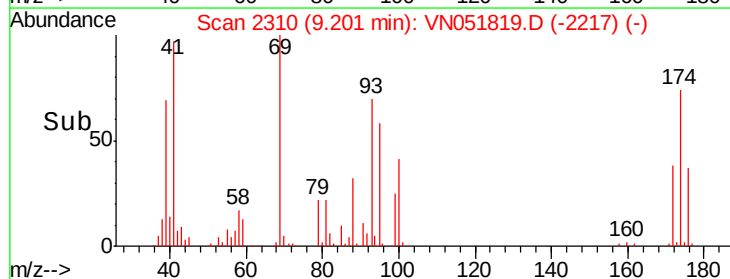
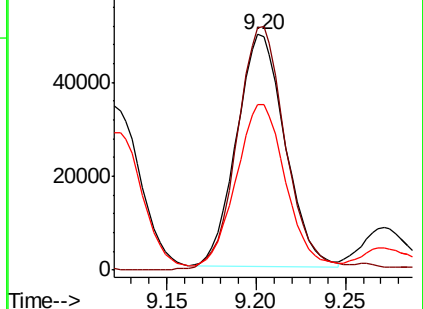
39 74.0 42.2 63.2#

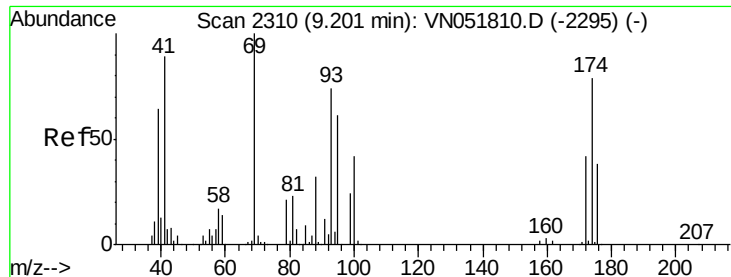


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

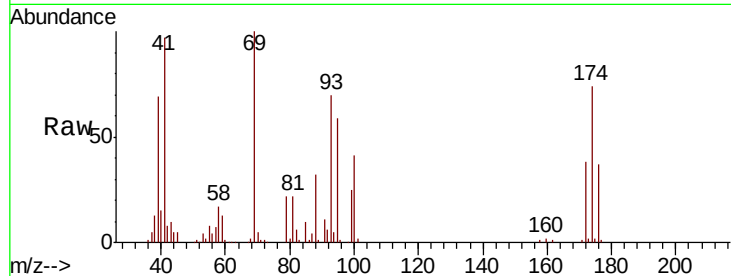




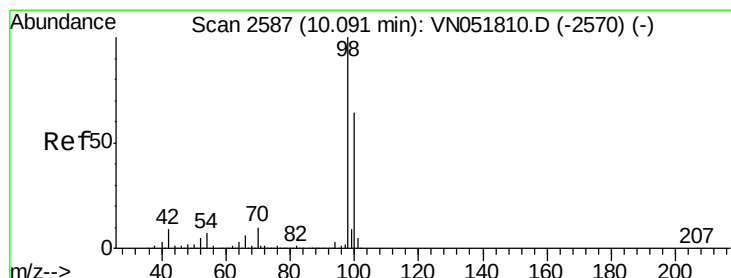
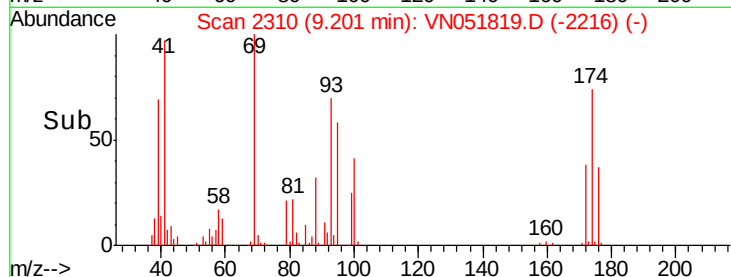
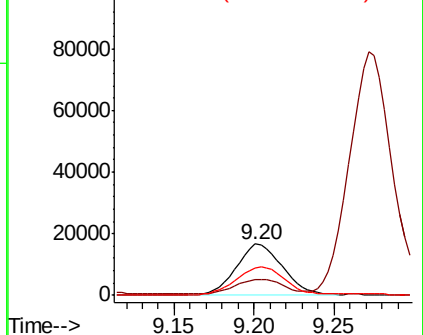
#49
1,4-Dioxane
Concen: 405.305 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 33345
Ion Ratio Lower Upper
88 100
43 28.2 25.9 38.9
58 58.1 55.0 82.4

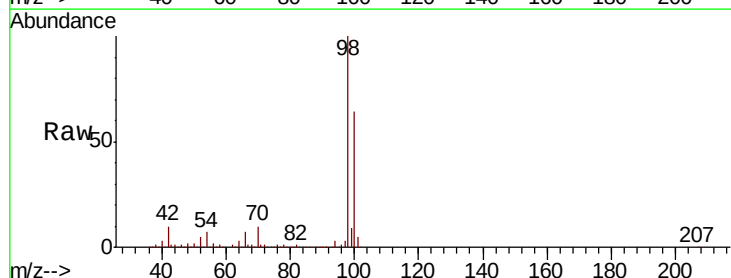


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

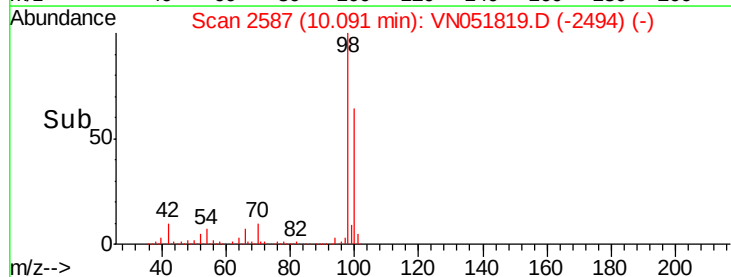
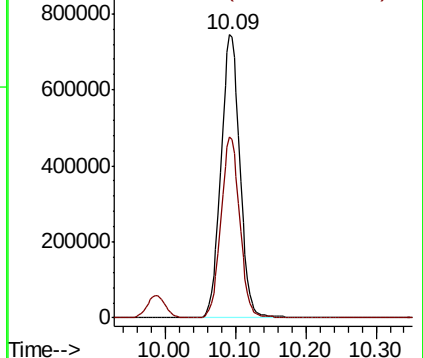


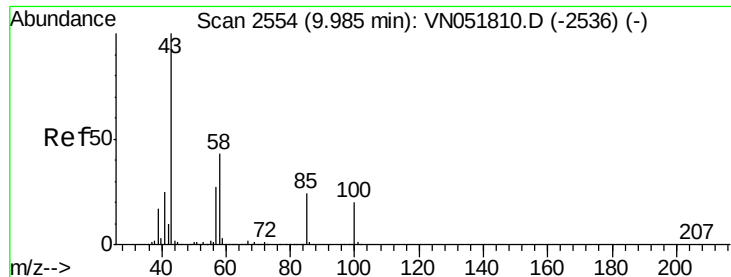
#50
Toluene-d8
Concen: 405.305 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 98 Resp: 1396827
Ion Ratio Lower Upper
98 100
100 63.2 51.5 77.3



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

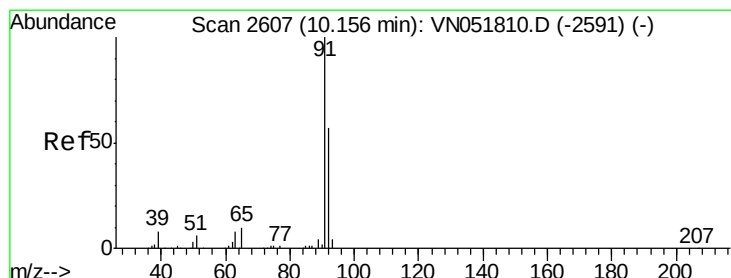
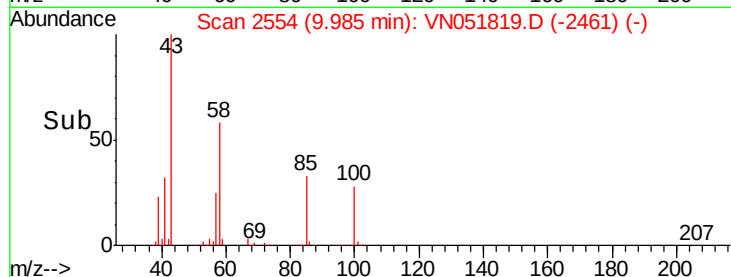
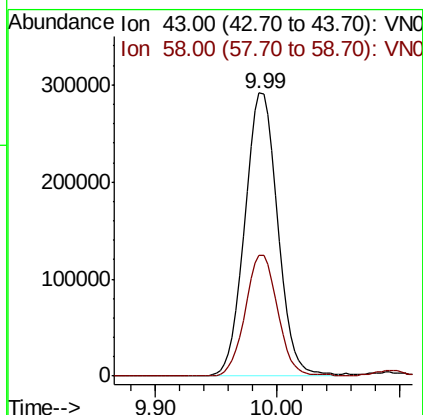
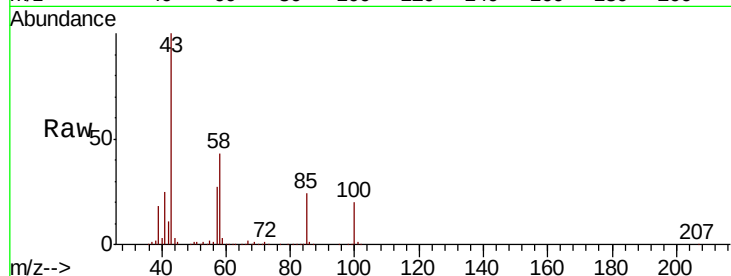




#51
 4-Methyl-2-Pentanone
 Concen: 101.824 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

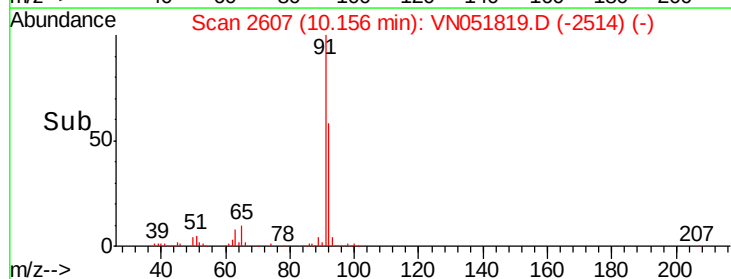
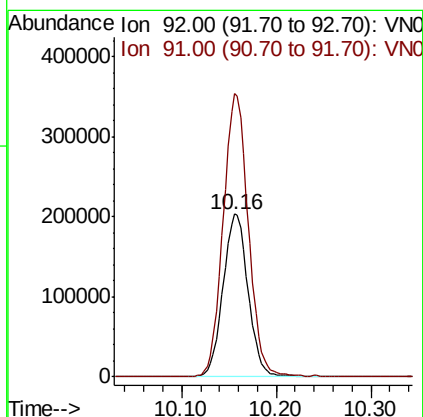
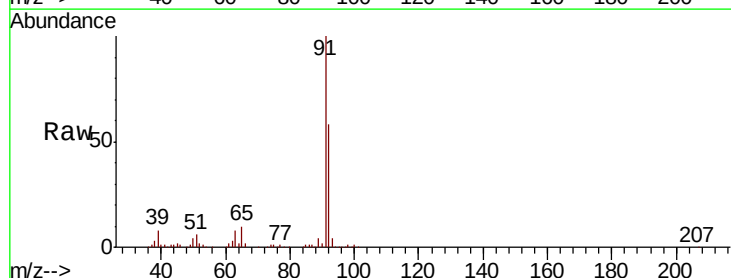
Instrument :
 MSVOA_N
 ClientSampleId :

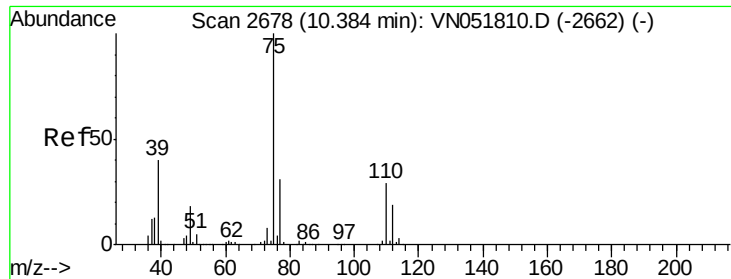
Tot Ion: 43 Resp: 538618
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.4 48.6



#52
 Toluene
 Concen: 19.476 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion: 92 Resp: 374422
 Ion Ratio Lower Upper
 92 100
 91 174.2 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 18.687 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

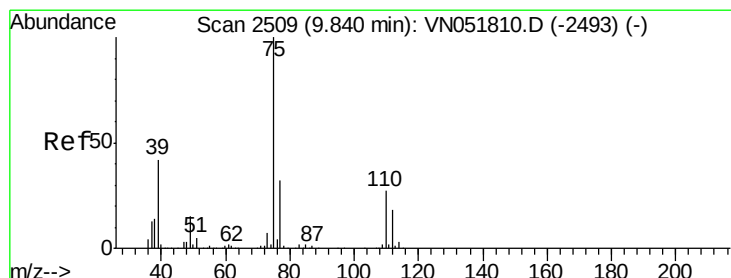
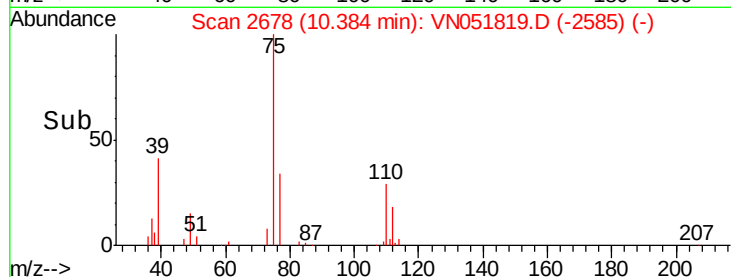
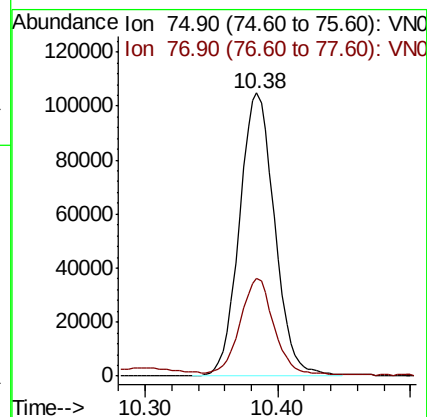
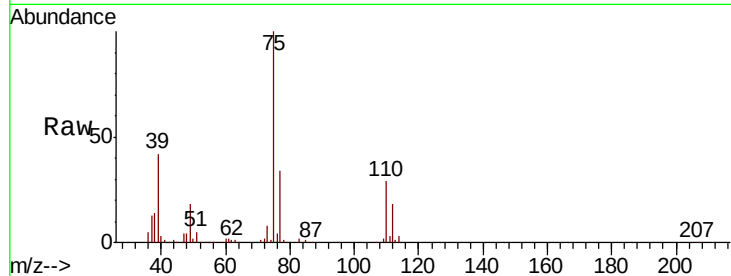
ClientSampleId :

Tot Ion: 75 Resp: 193251

Ion Ratio Lower Upper

75 100

77 33.9 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 18.638 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

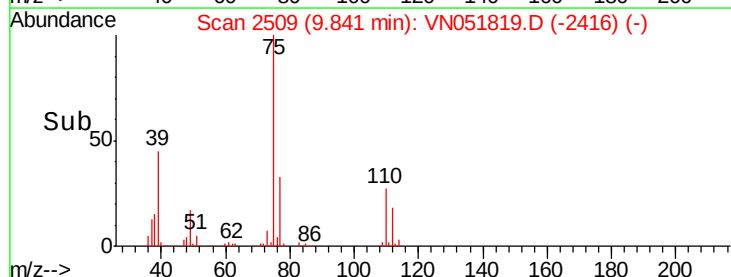
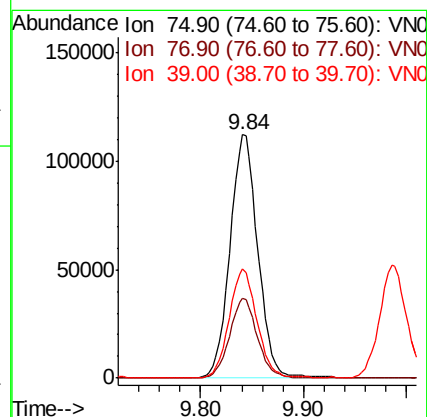
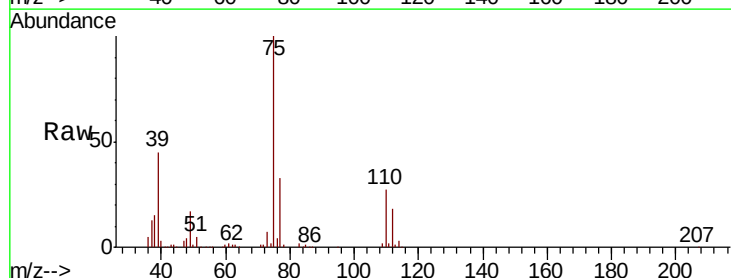
Tgt Ion: 75 Resp: 211602

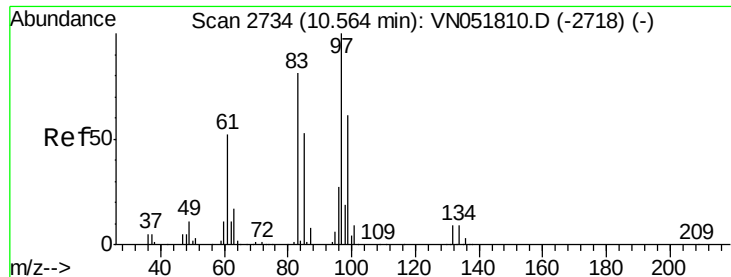
Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.2

39 44.6 33.0 49.4

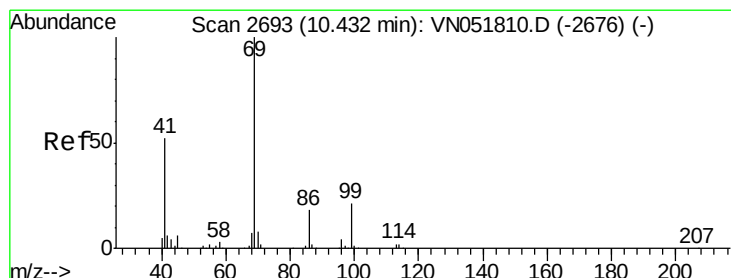
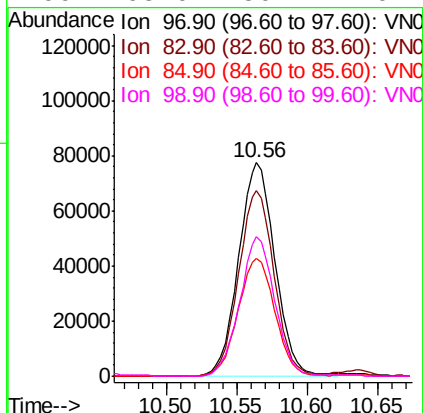
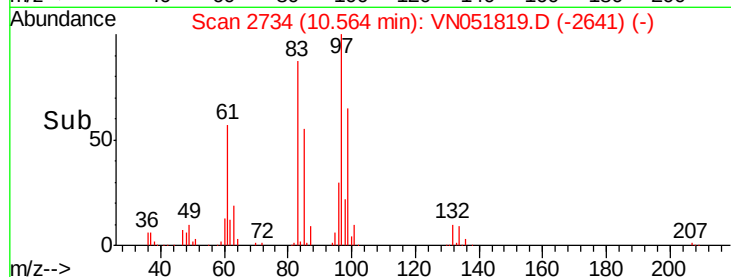
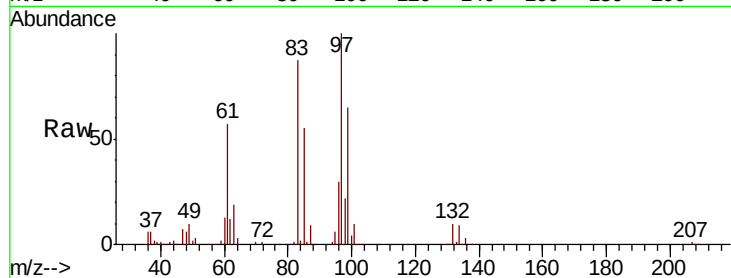




#55
 1,1,2-Trichloroethane
 Concen: 19.366 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

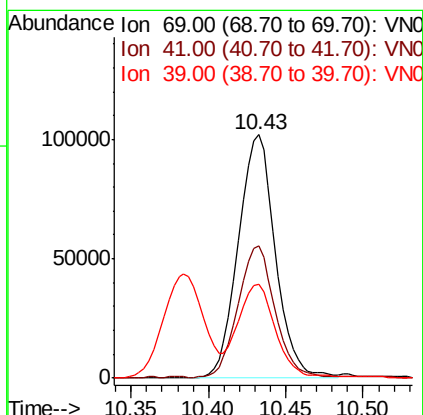
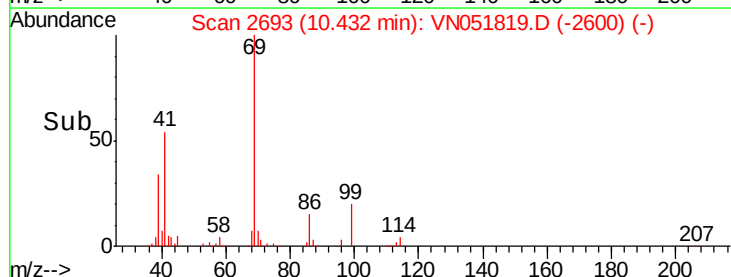
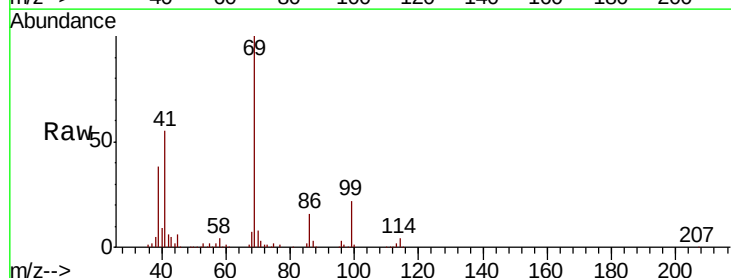
Instrument :
 MSVOA_N
 ClientSampled :

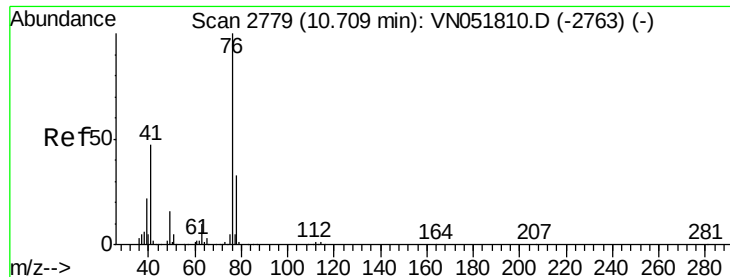
Tot Ion:	97	Resp:	140053
Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.7	104.5
85	55.0	44.5	66.7
99	65.0	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 20.055 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion:	69	Resp:	170812
Ion	Ratio	Lower	Upper
69	100		
41	53.3	48.3	72.5
39	37.7	24.0	36.0#





#57

1,3-Dichloropropane

Concen: 19.211 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

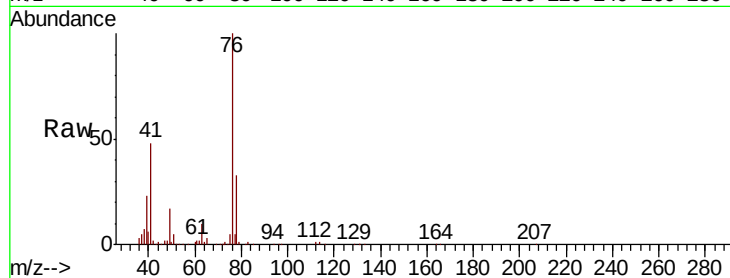
ClientSampled :

Tot Ion: 76 Resp: 215852

Ion Ratio Lower Upper

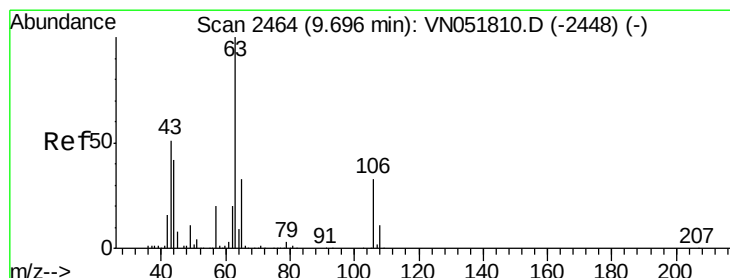
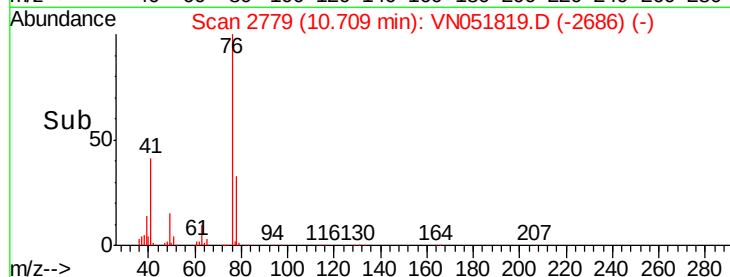
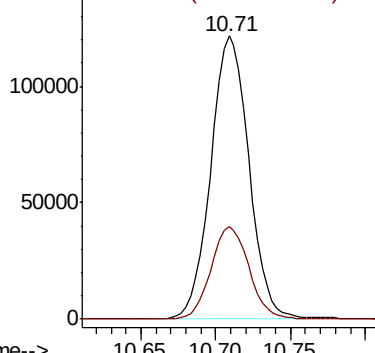
76 100

78 32.6 25.5 38.3



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: 101.328 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051819.D

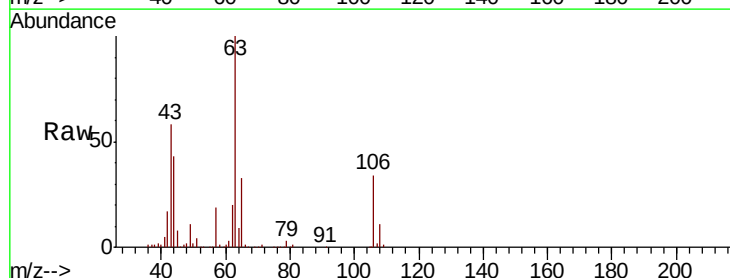
Acq: 11 Oct 2018 18:19

Tgt Ion: 63 Resp: 375785

Ion Ratio Lower Upper

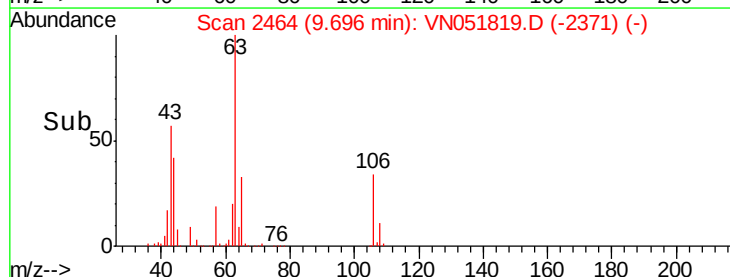
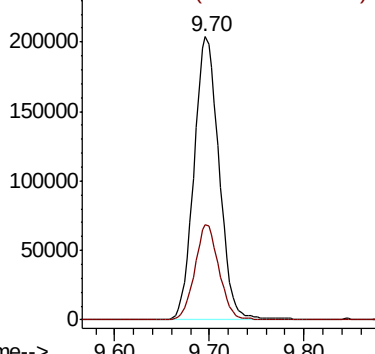
63 100

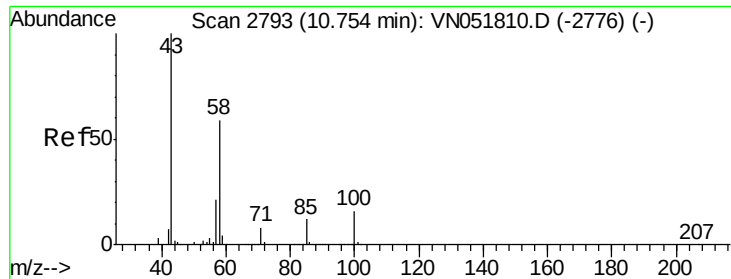
106 32.6 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

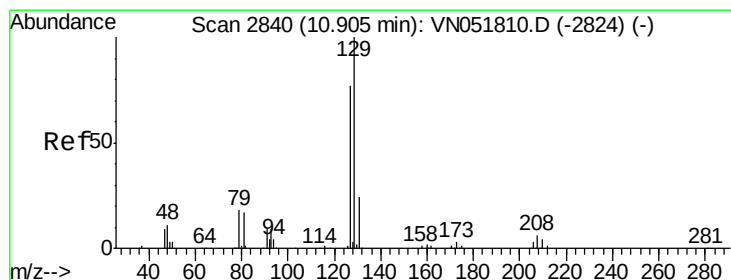
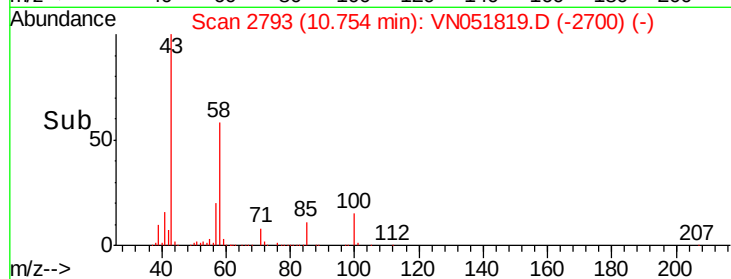
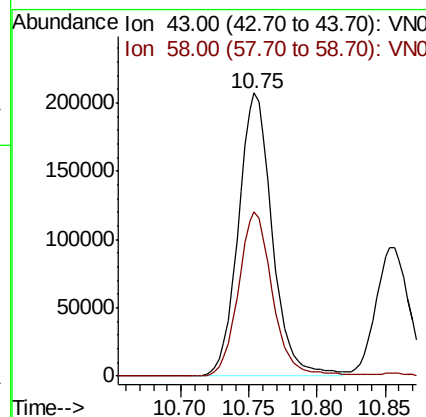
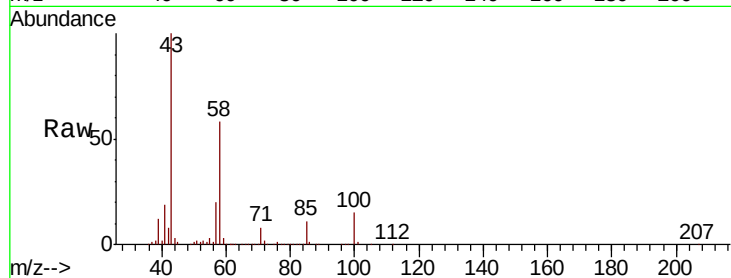




#59
2-Hexanone
Concen: 95.392 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

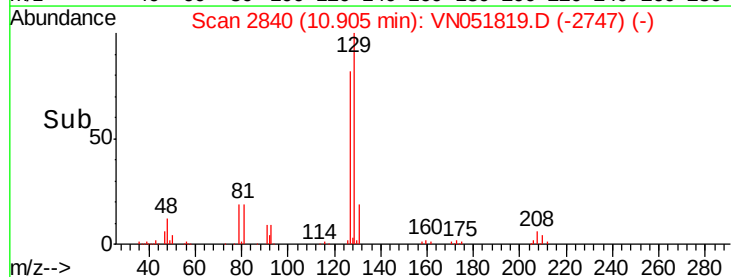
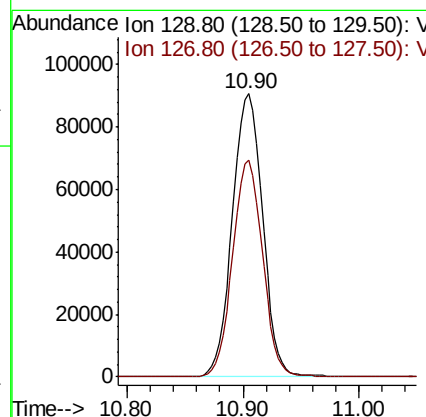
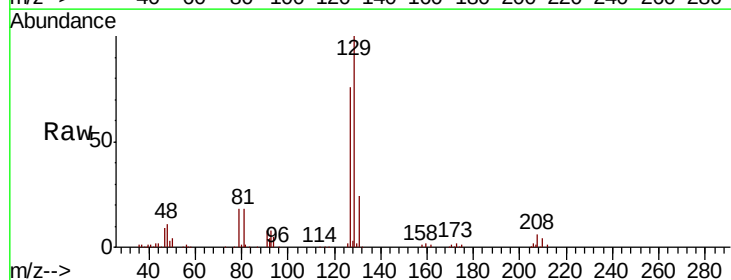
Instrument :
MSVOA_N
ClientSampled :

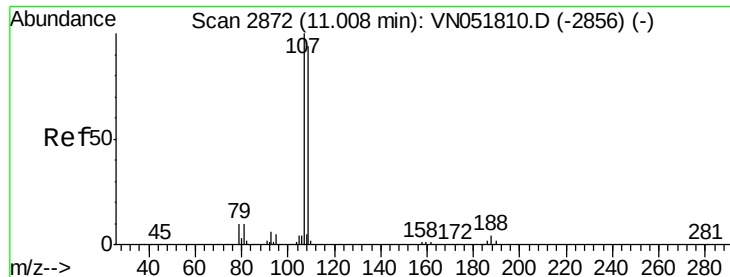
Tot Ion: 43 Resp: 354406
Ion Ratio Lower Upper
43 100
58 58.8 28.3 85.0



#60
Dibromochloromethane
Concen: 19.209 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 129 Resp: 164920
Ion Ratio Lower Upper
129 100
127 75.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.621 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

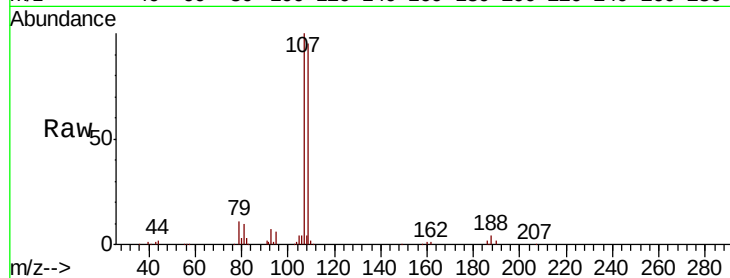
ClientSampleId :

Tot Ion: 107 Resp: 146150

Ion Ratio Lower Upper

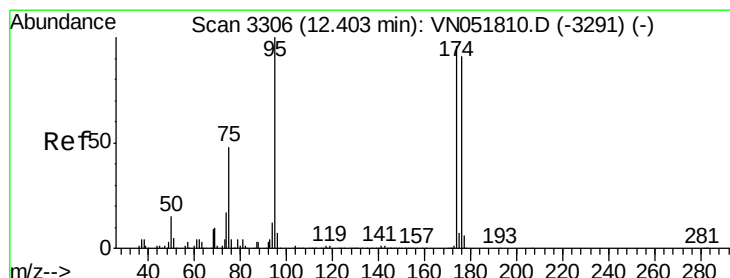
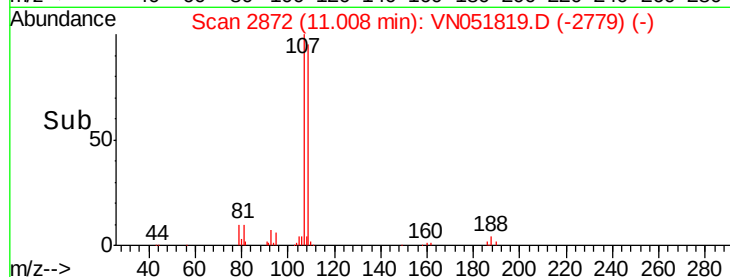
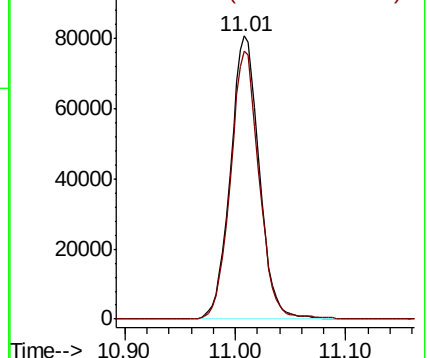
107 100

109 94.1 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.621 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

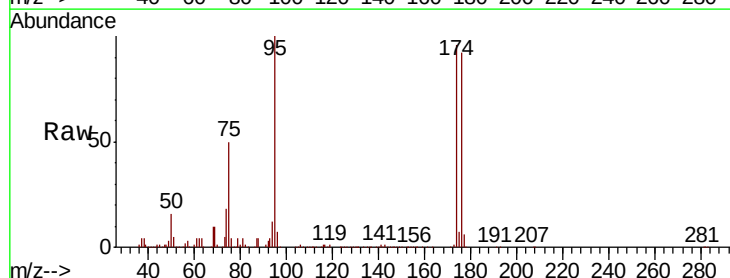
Tgt Ion: 95 Resp: 462976

Ion Ratio Lower Upper

95 100

174 94.3 0.0 183.0

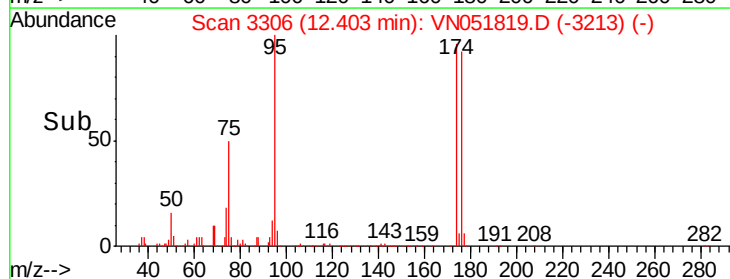
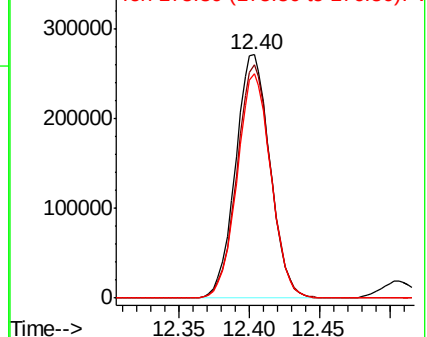
176 90.9 0.0 178.8

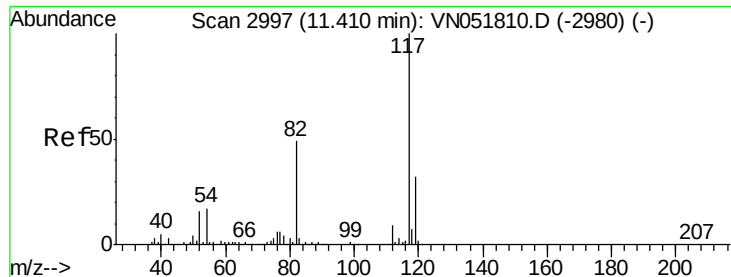


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

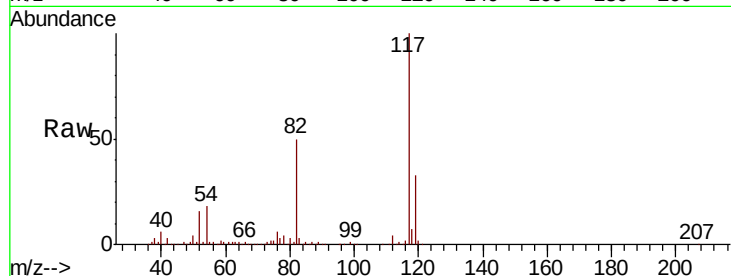




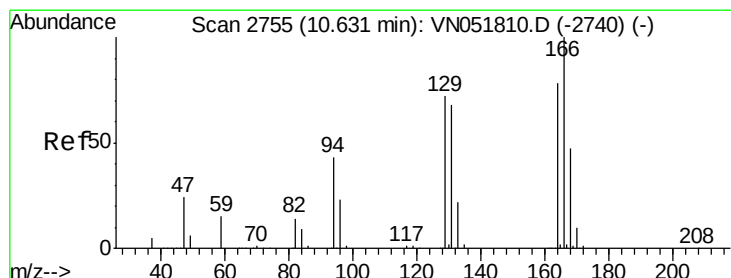
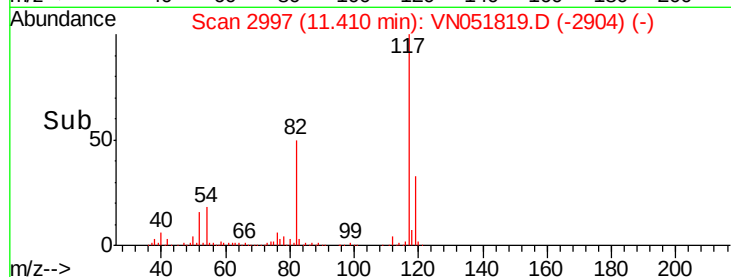
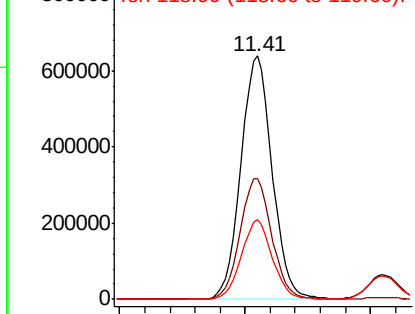
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1108834
Ion Ratio Lower Upper
117 100
82 49.7 42.6 64.0
119 32.6 25.8 38.6

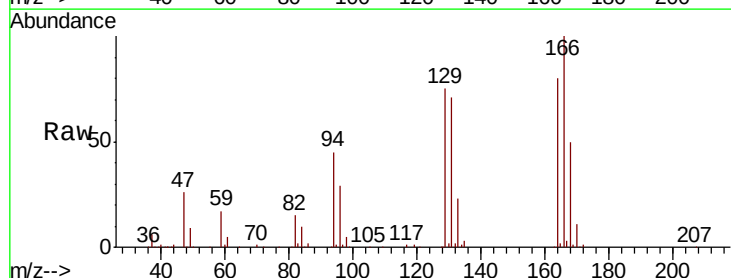


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

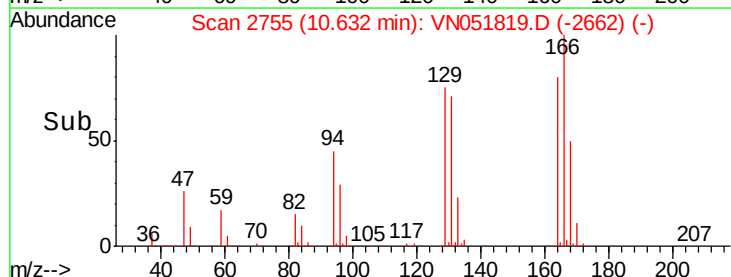
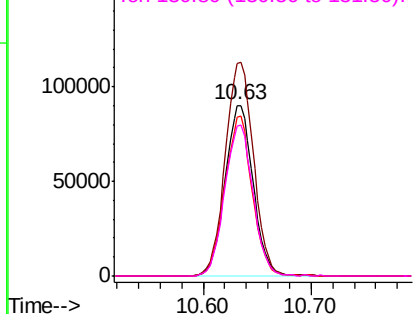


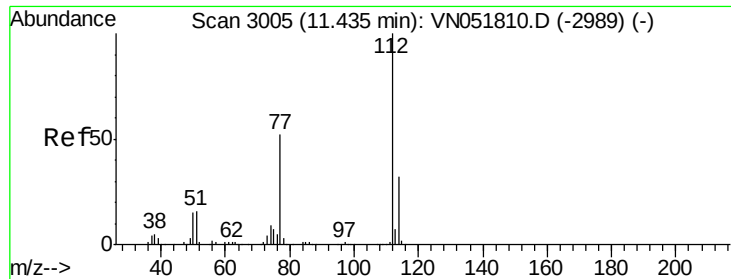
#64
Tetrachloroethene
Concen: 19.193 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion:164 Resp: 163223
Ion Ratio Lower Upper
164 100
166 124.8 103.5 155.3
129 93.2 72.7 109.1
131 88.3 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

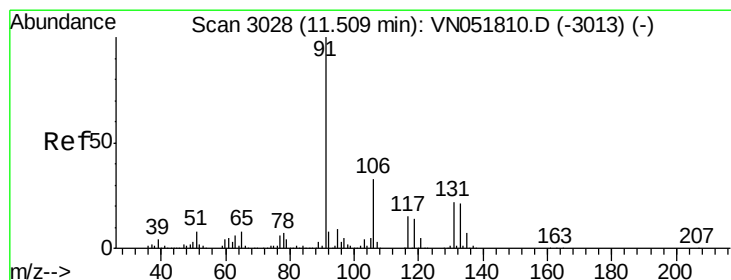
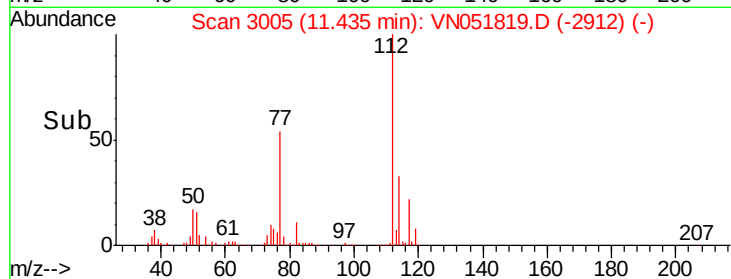
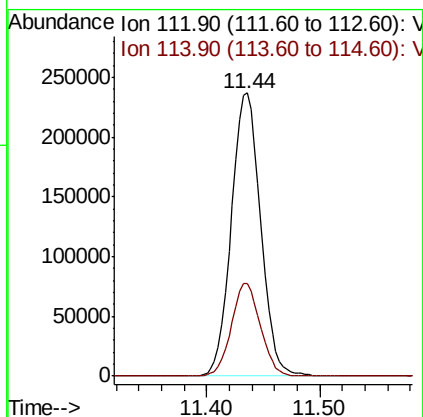
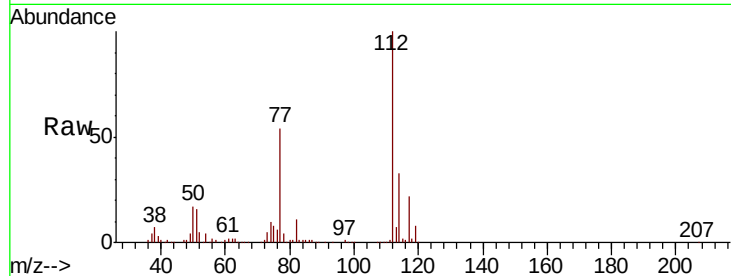




#65
Chlorobenzene
Concen: 19.038 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

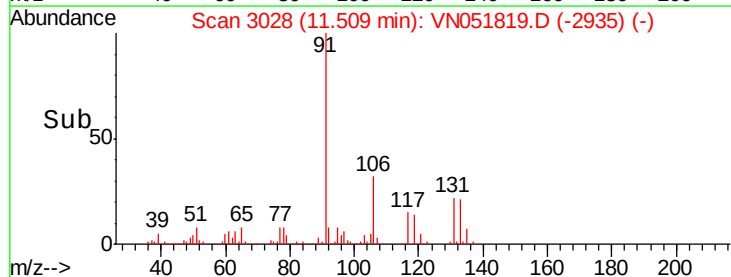
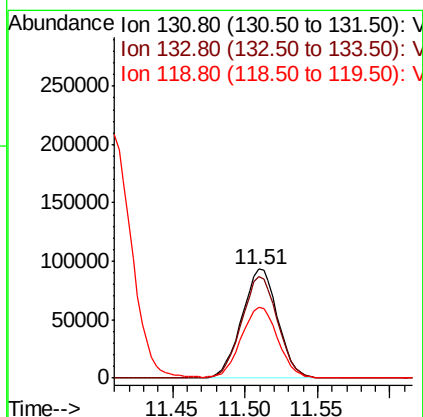
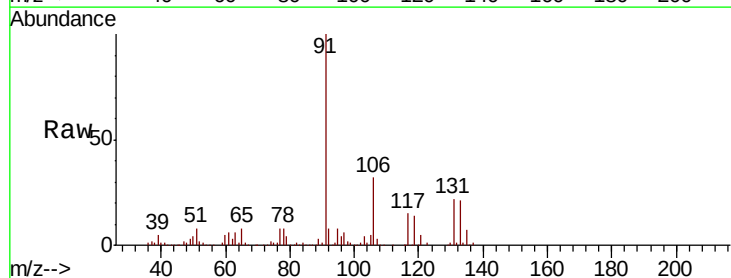
Instrument :
MSVOA_N
ClientSampleId :

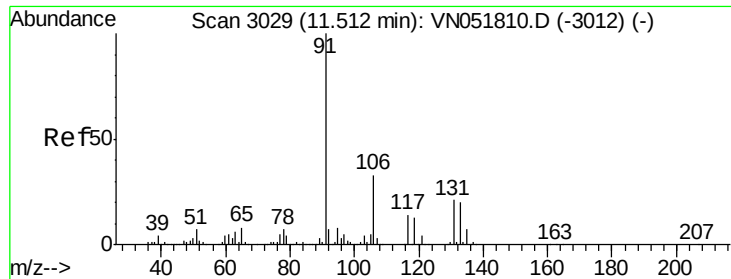
Tot Ion:112 Resp: 426942
Ion Ratio Lower Upper
112 100
114 32.5 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 18.905 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion:131 Resp: 161584
Ion Ratio Lower Upper
131 100
133 93.4 47.4 142.3
119 66.1 32.8 98.4

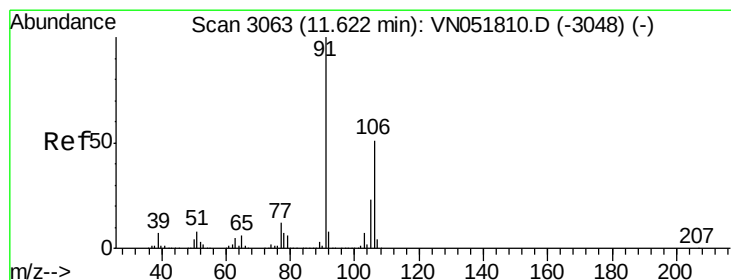
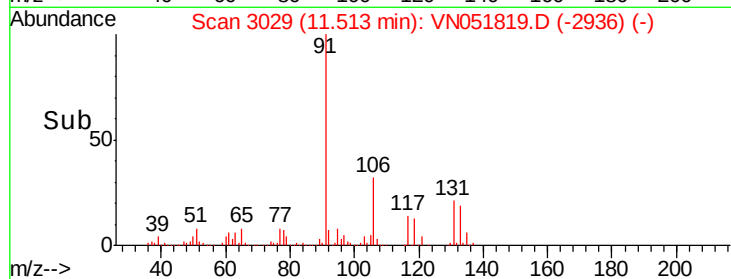
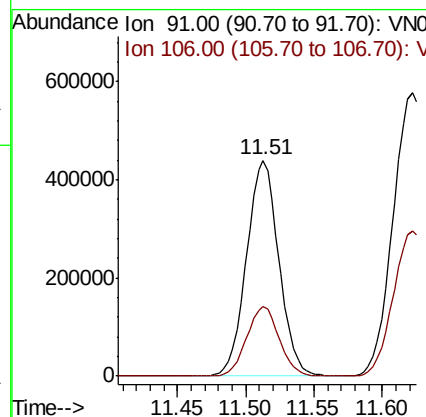
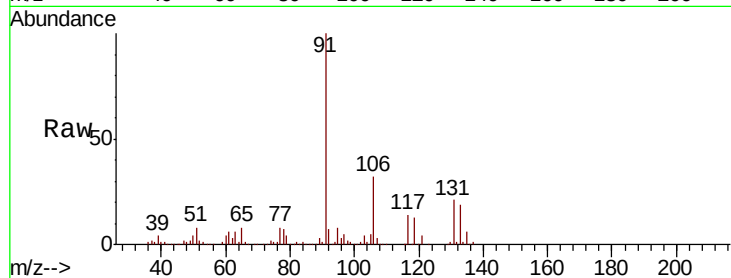




#67
Ethyl Benzene
Concen: 19.412 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

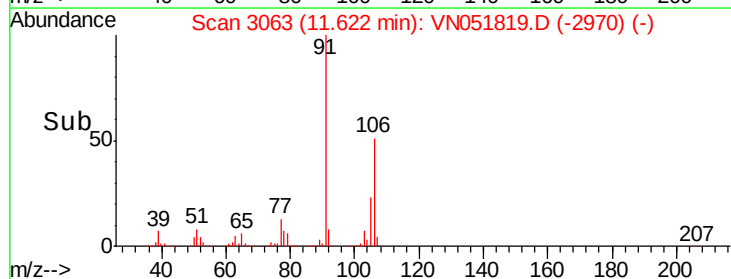
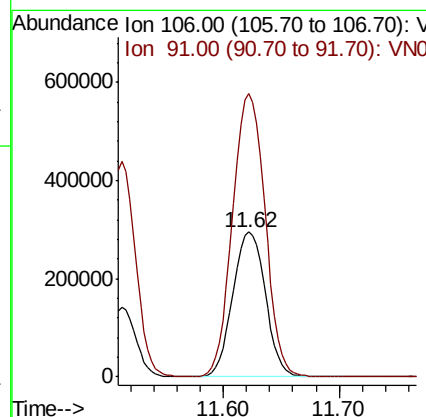
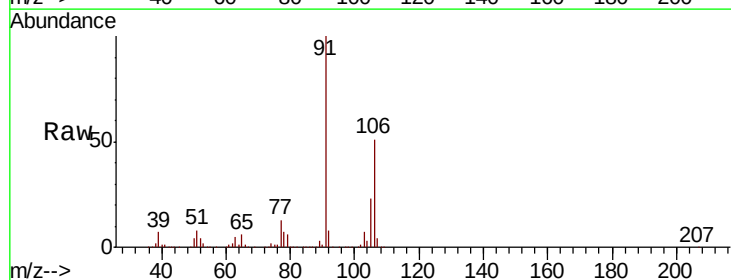
Instrument :
MSVOA_N
ClientSampled :

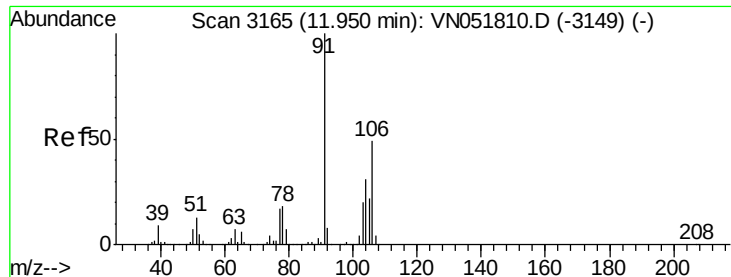
Tot Ion: 91 Resp: 720639
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.4



#68
m/p-Xylenes
Concen: 38.374 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion: 106 Resp: 575434
Ion Ratio Lower Upper
106 100
91 194.7 161.0 241.6

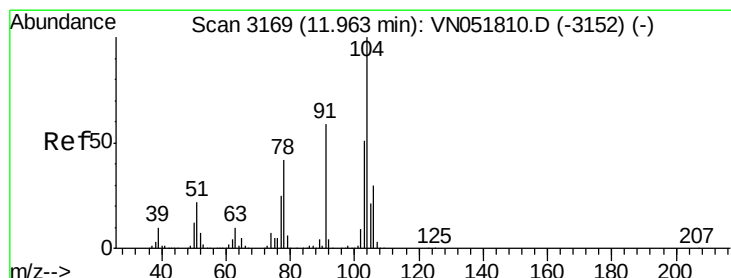
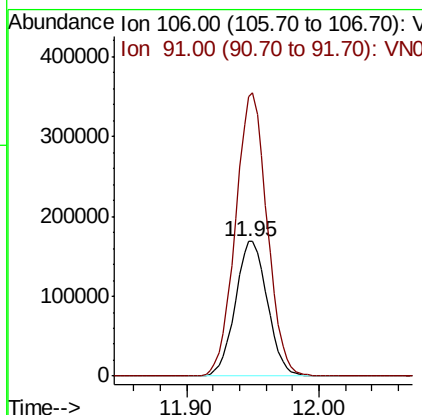
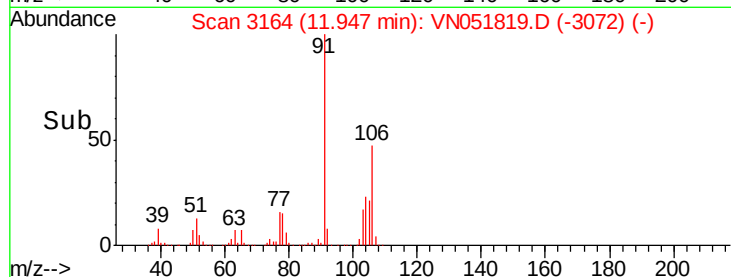
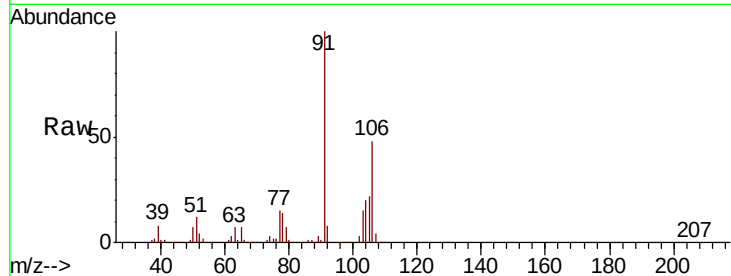




#69
o-Xylene
Concen: 19.436 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

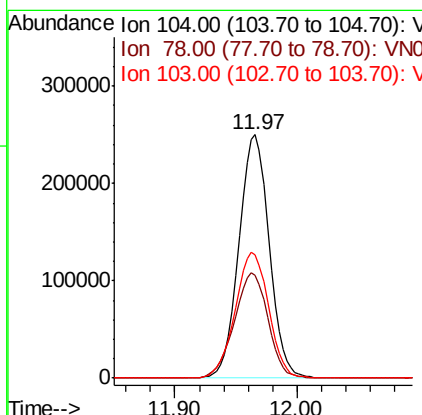
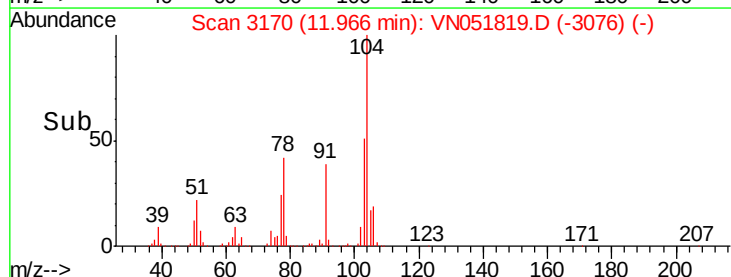
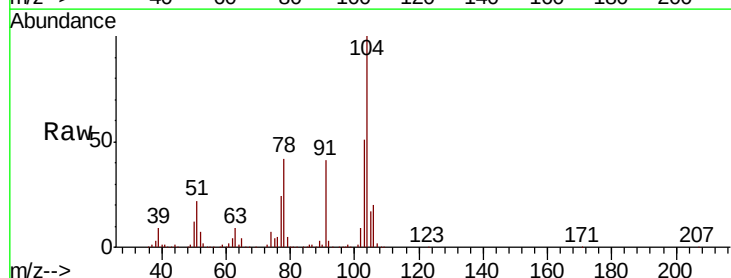
Instrument :
MSVOA_N
ClientSampled :

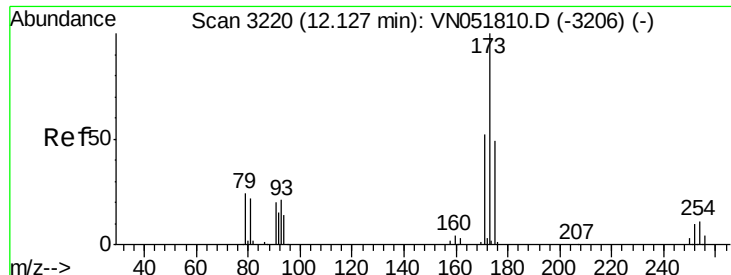
Tot Ion:106 Resp: 283067
Ion Ratio Lower Upper
106 100
91 207.1 106.5 319.5



#70
Styrene
Concen: 19.027 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051819.D
Acq: 11 Oct 2018 18:19

Tgt Ion:104 Resp: 427505
Ion Ratio Lower Upper
104 100
78 48.3 38.2 57.4
103 57.3 44.4 66.6





#71

Bromoform

Concen: 18.015 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

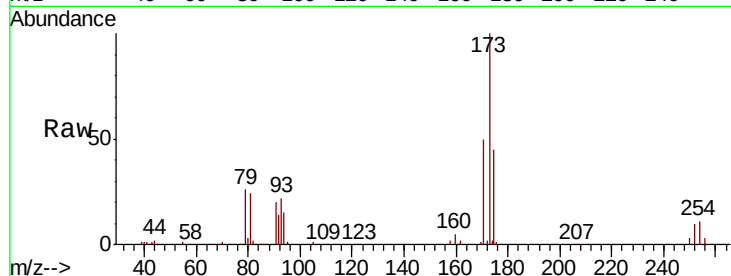
Tot Ion:173 Resp: 104664

Ion Ratio Lower Upper

173 100

175 46.9 24.4 73.4

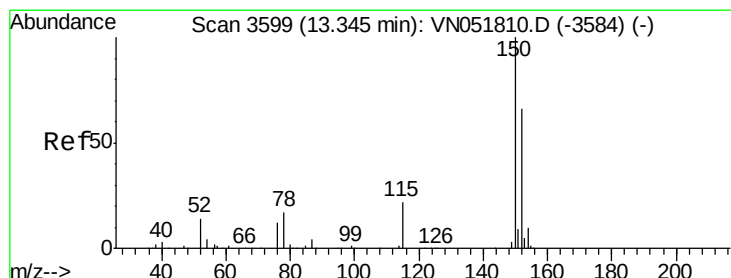
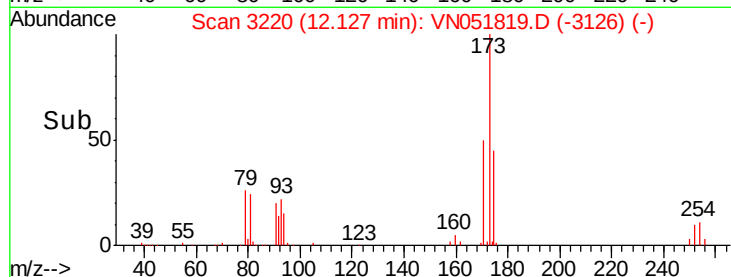
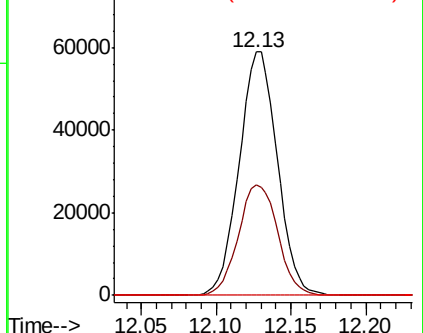
254 0.0 0.1 0.1#



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: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

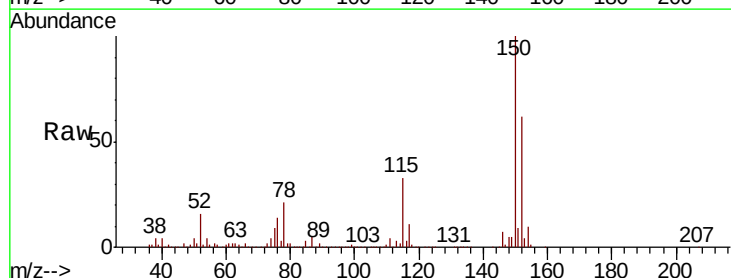
Tgt Ion:152 Resp: 511333

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

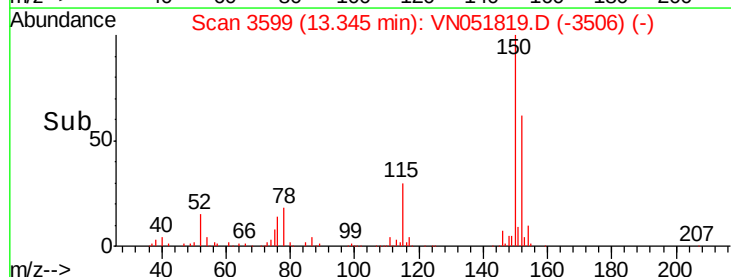
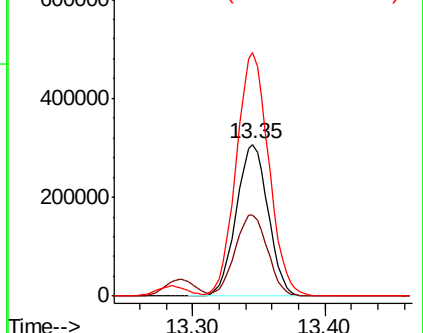
150 164.0 0.0 351.4

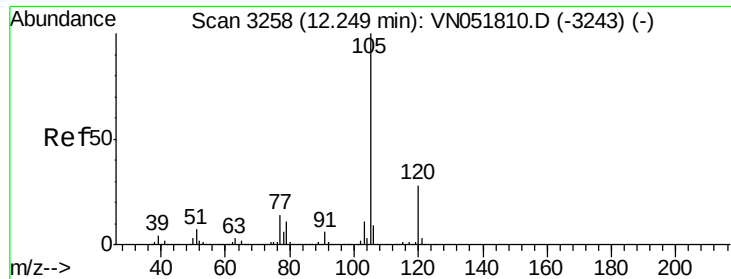


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.129 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

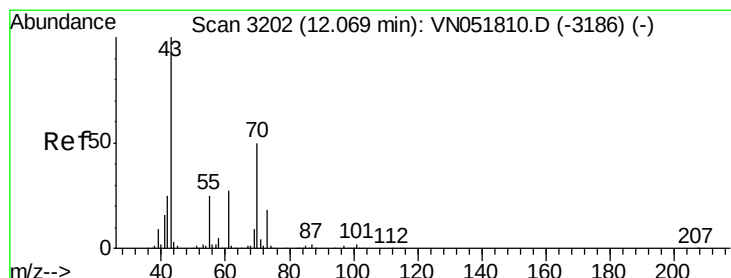
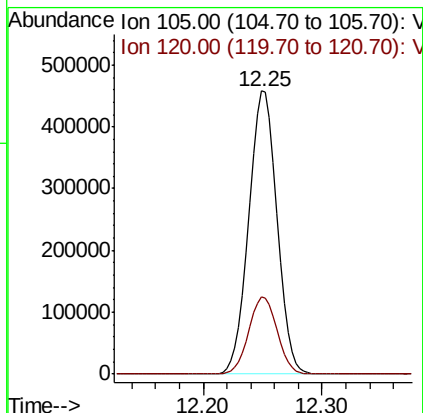
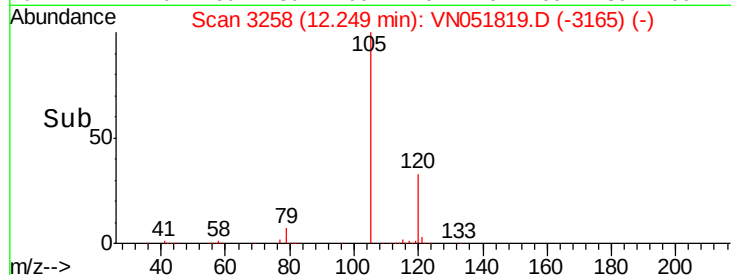
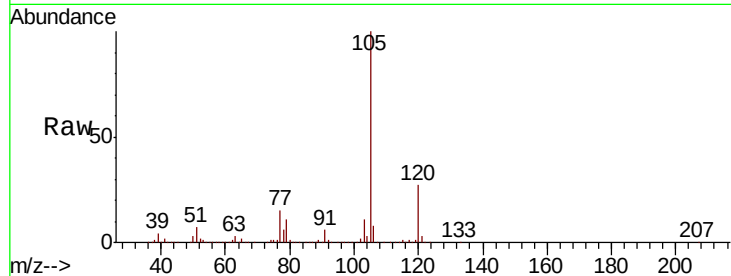
ClientSampleId :

Tot Ion:105 Resp: 753683

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



#74

N-ethyl acetate

Concen: 21.266 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Tgt Ion: 43 Resp: 166171

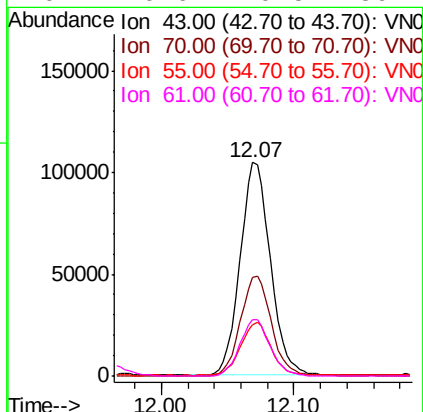
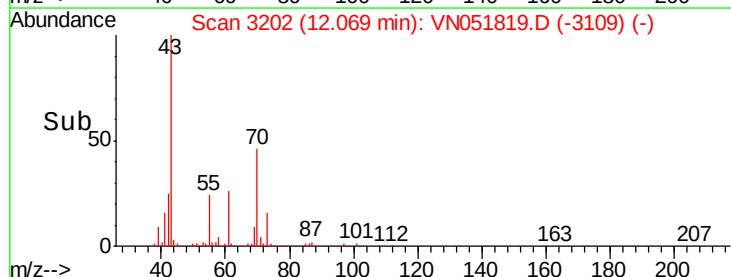
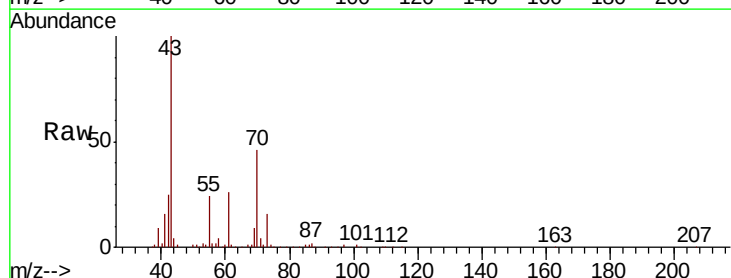
Ion Ratio Lower Upper

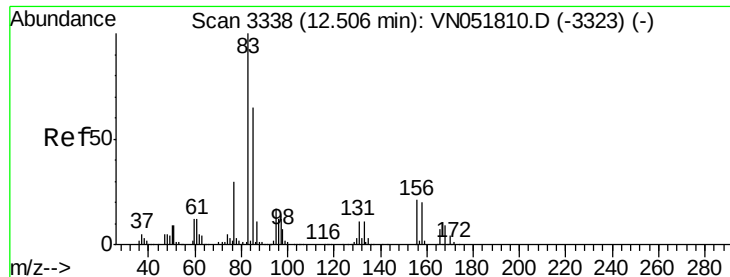
43 100

70 47.9 36.2 54.2

55 25.0 21.8 32.8

61 26.6 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.875 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

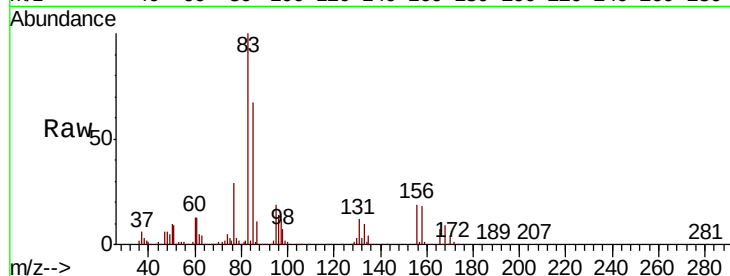
Tot Ion: 83 Resp: 172010

Ion Ratio Lower Upper

83 100

131 11.7 5.3 15.9

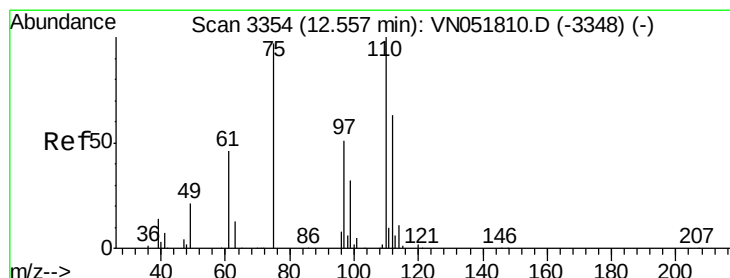
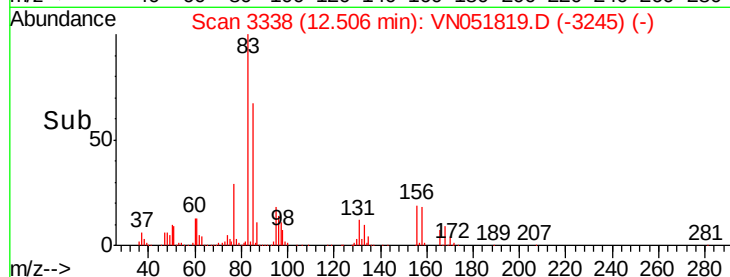
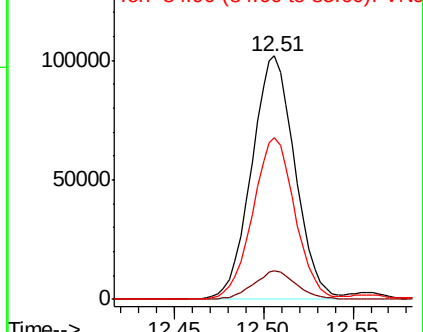
85 65.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.066 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN051819.D

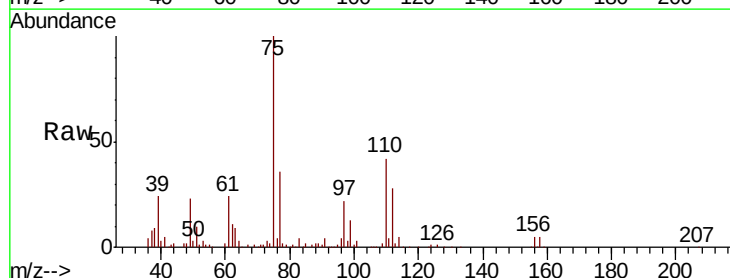
Acq: 11 Oct 2018 18:19

Tgt Ion: 75 Resp: 203307

Ion Ratio Lower Upper

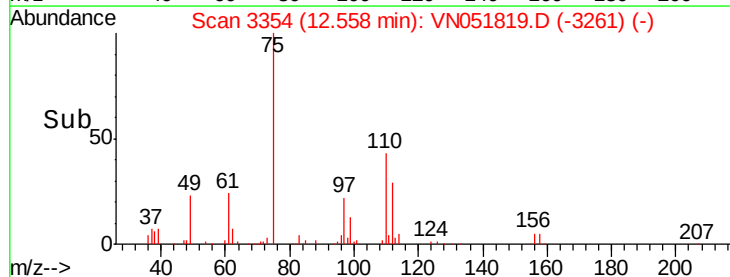
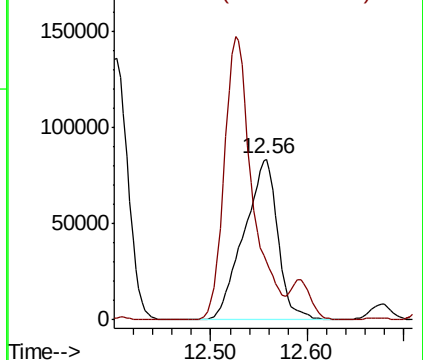
75 100

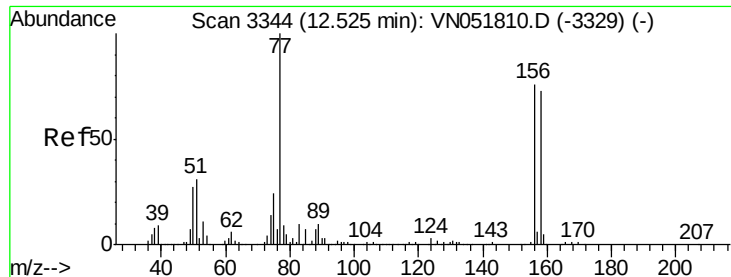
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.827 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

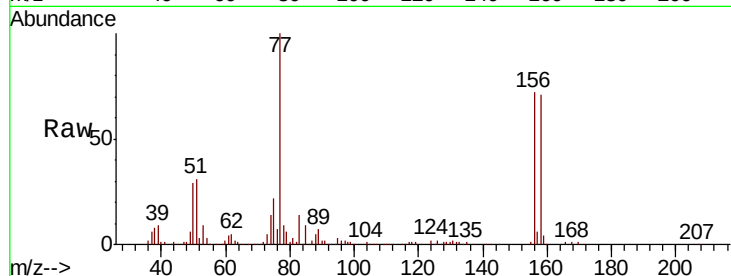
Tot Ion:156 Resp: 184956

Ion Ratio Lower Upper

156 100

77 161.5 89.9 269.7

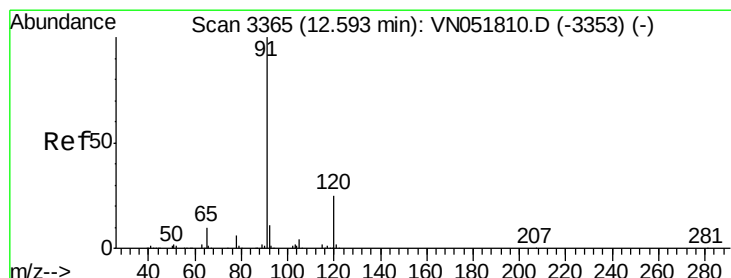
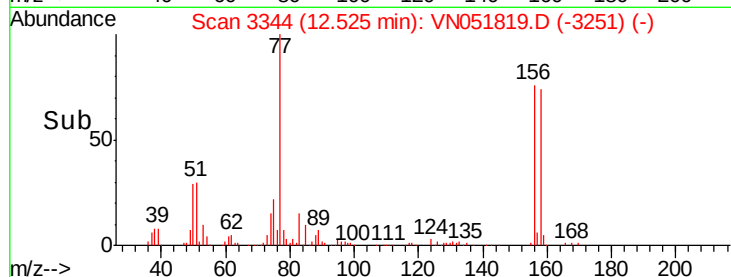
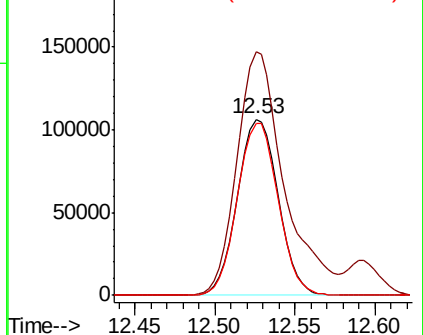
158 97.8 49.3 147.9



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: 19.561 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051819.D

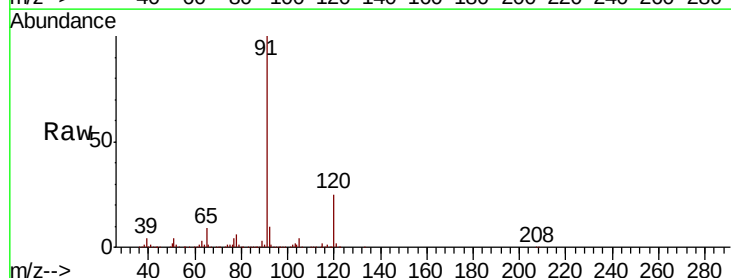
Acq: 11 Oct 2018 18:19

Tgt Ion: 91 Resp: 807123

Ion Ratio Lower Upper

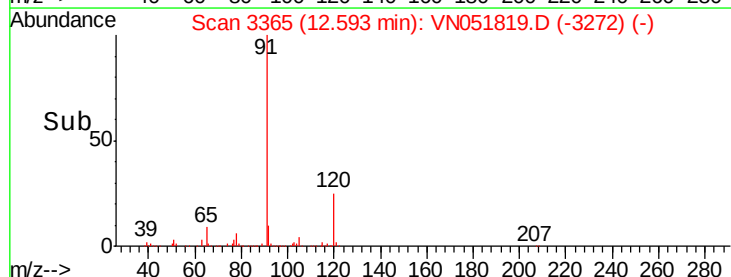
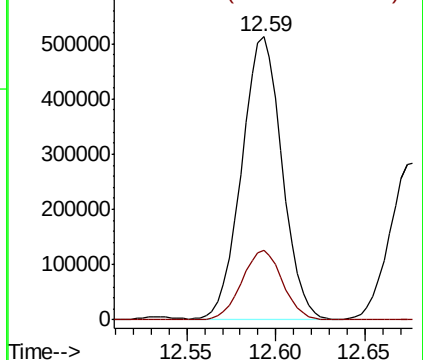
91 100

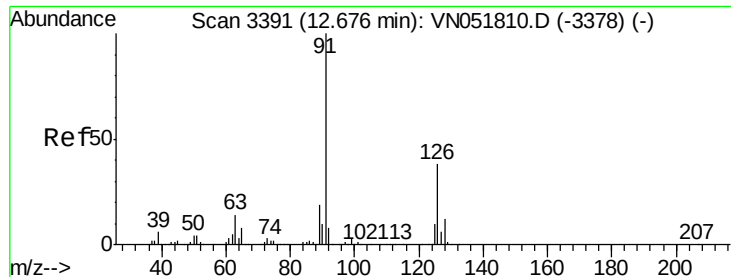
120 24.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.036 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

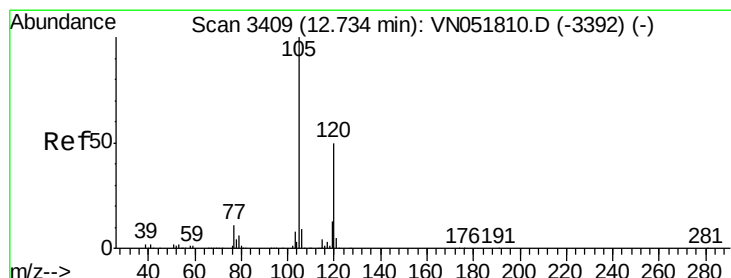
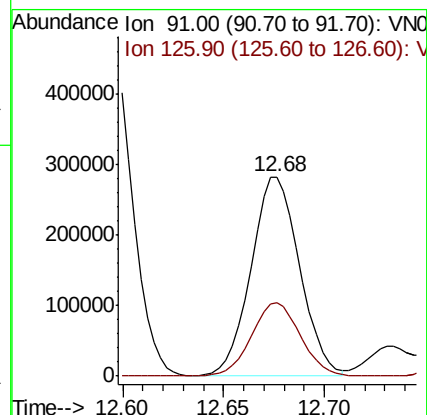
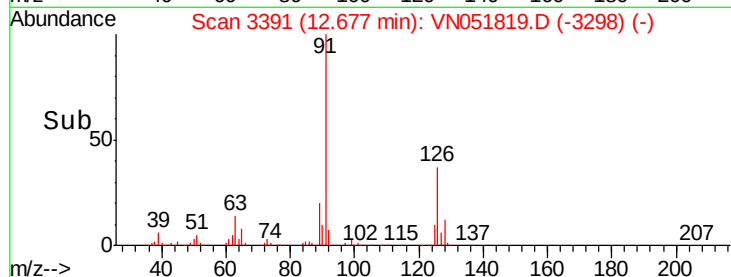
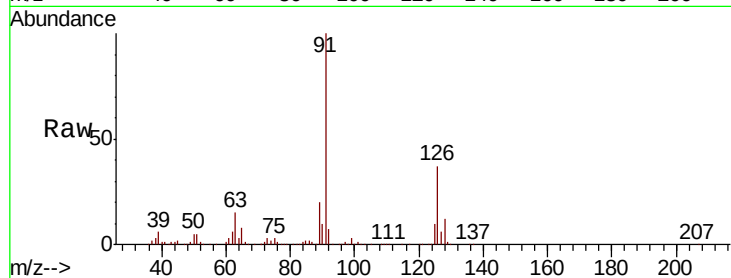
ClientSampled :

Tot Ion: 91 Resp: 473142

Ion Ratio Lower Upper

91 100

126 37.3 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 19.342 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051819.D

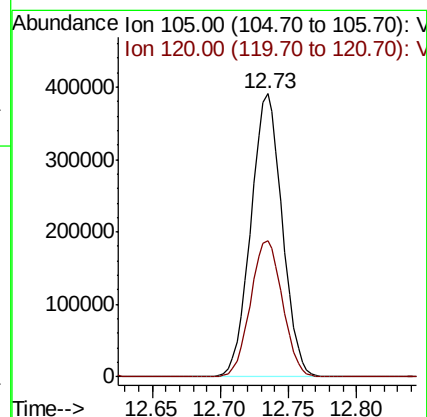
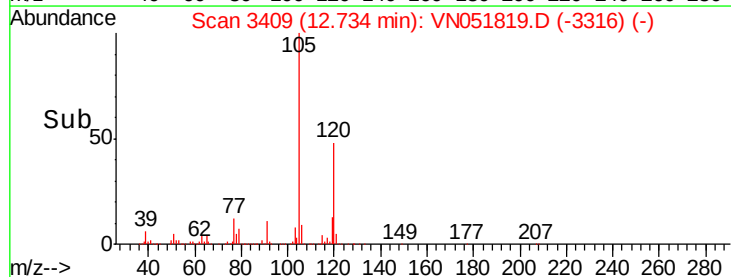
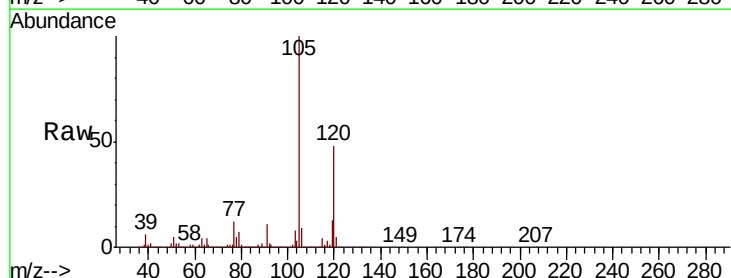
Acq: 11 Oct 2018 18:19

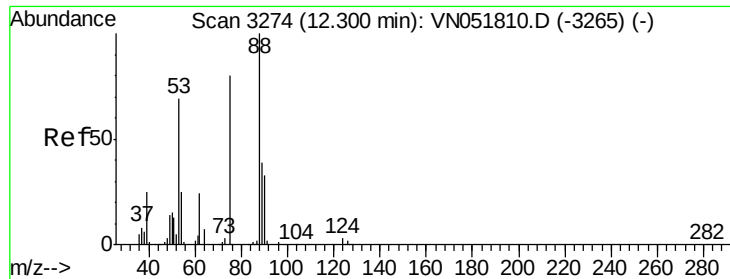
Tgt Ion: 105 Resp: 620982

Ion Ratio Lower Upper

105 100

120 49.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.633 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

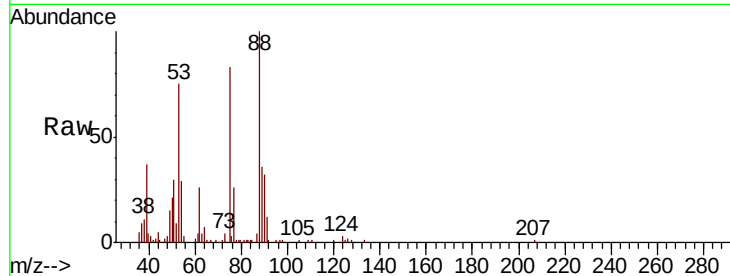
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 41375

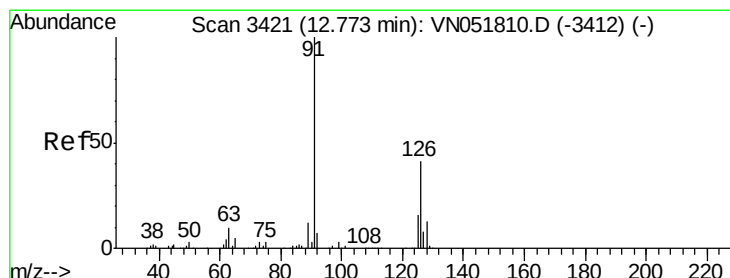
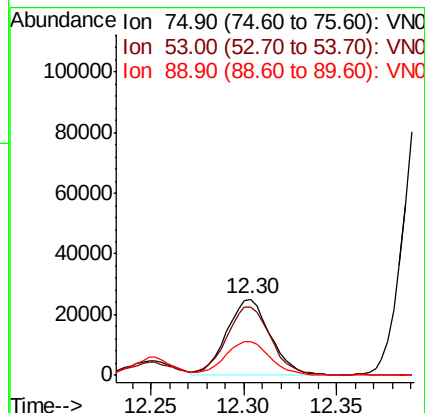
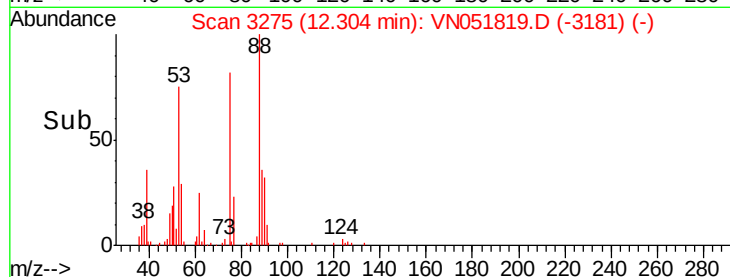
Ion	Ratio	Lower	Upper
75	100		
53	89.7	68.9	103.3
89	45.7	36.1	54.1



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: 19.444 ug/l

RT: 12.77 min Scan# 3421

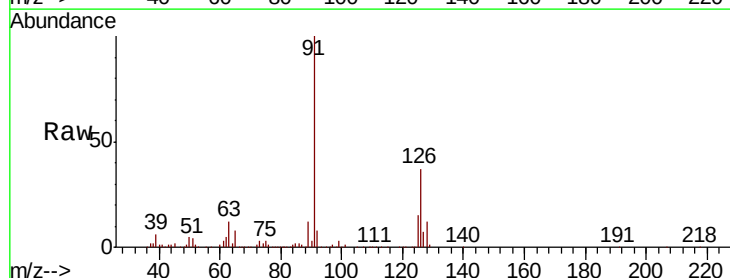
Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

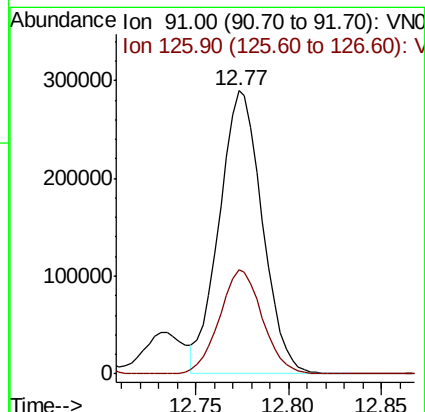
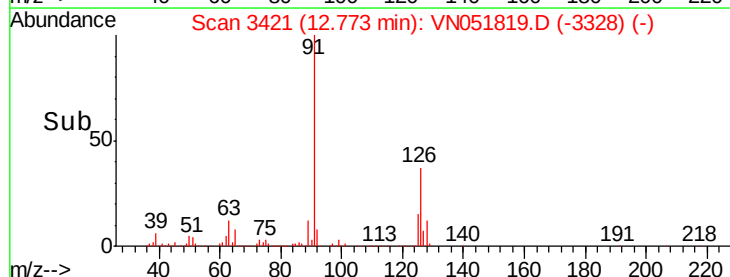
Tgt Ion: 91 Resp: 464391

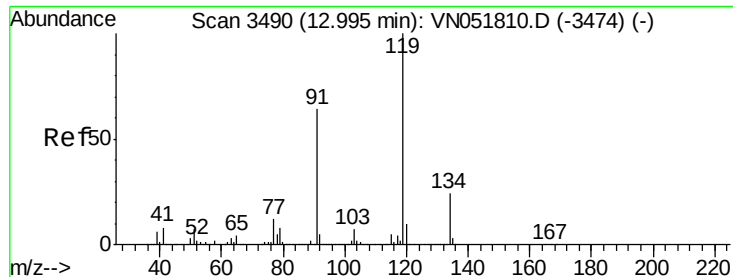
Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.5	52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

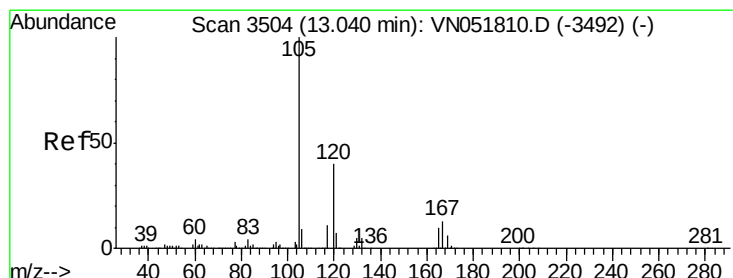
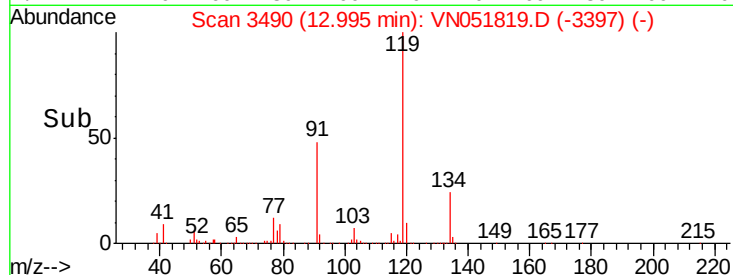
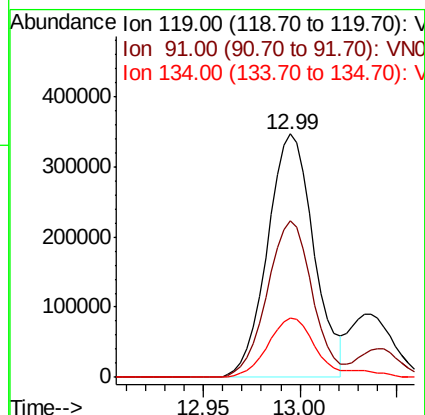
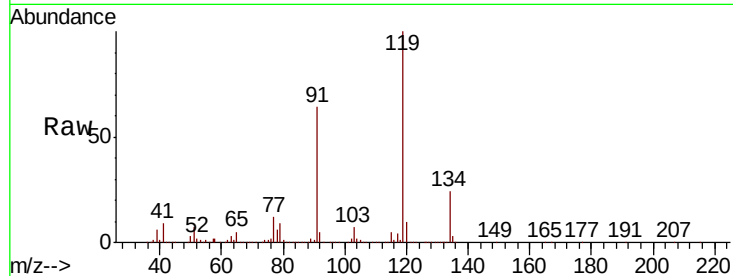




#83
 tert-Butylbenzene
 Concen: 19.369 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

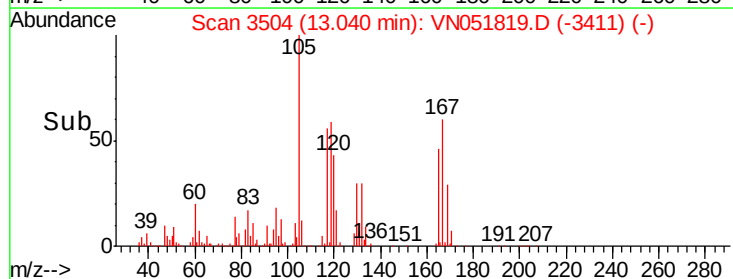
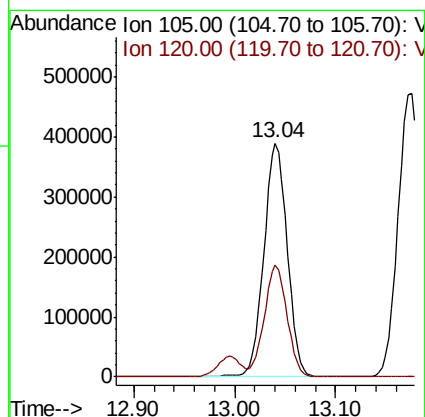
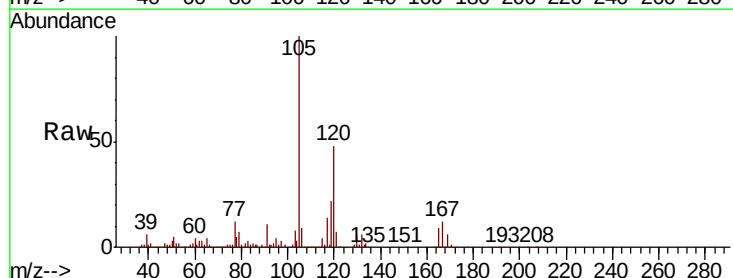
Instrument :
 MSVOA_N
 ClientSampleId :

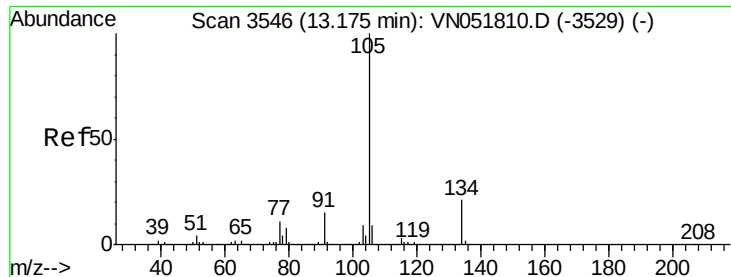
Tot Ion:119 Resp: 576750
 Ion Ratio Lower Upper
 119 100
 91 62.8 31.6 94.7
 134 24.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 19.594 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion:105 Resp: 626387
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.8





#85

sec-Butylbenzene

Concen: 19.460 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

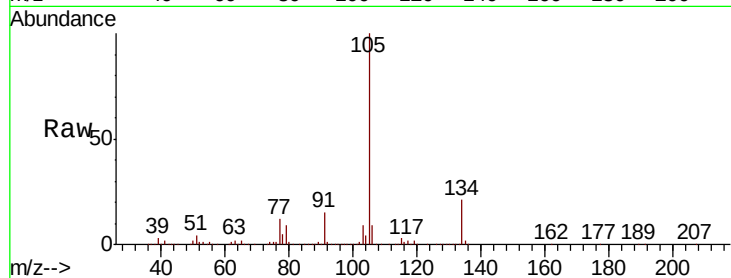
ClientSampled :

Tot Ion:105 Resp: 750683

Ion Ratio Lower Upper

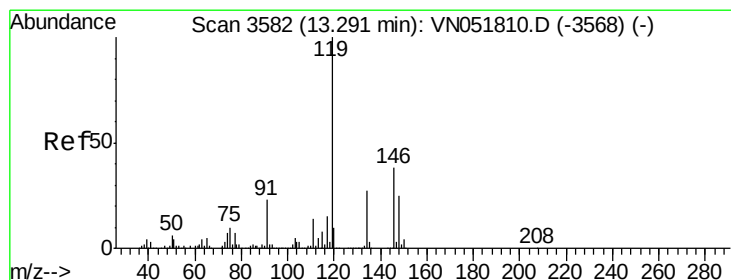
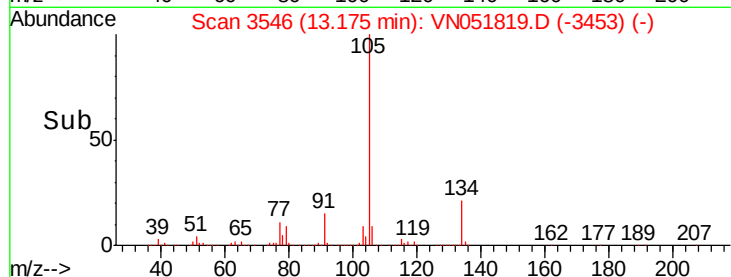
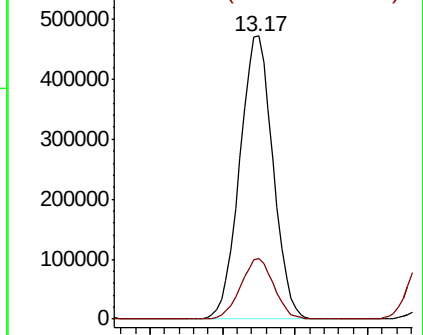
105 100

134 21.2 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.480 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

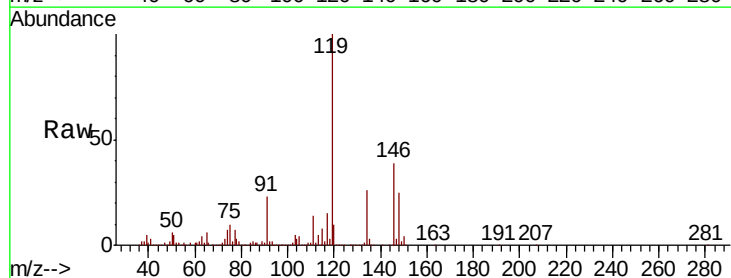
Tgt Ion:119 Resp: 660864

Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.0

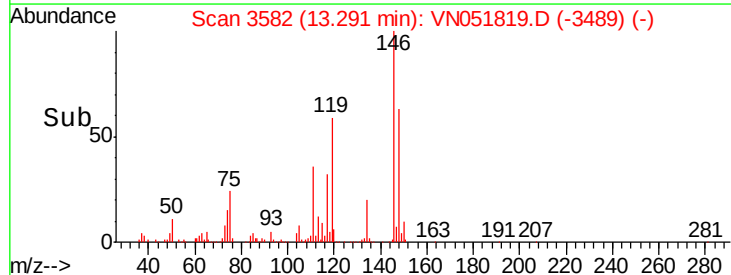
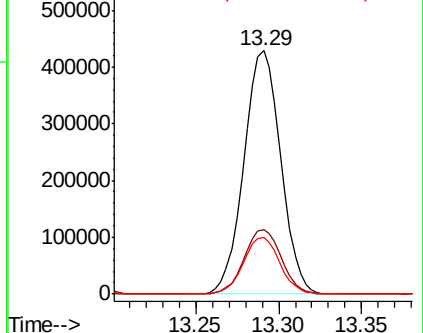
91 22.9 11.2 33.5

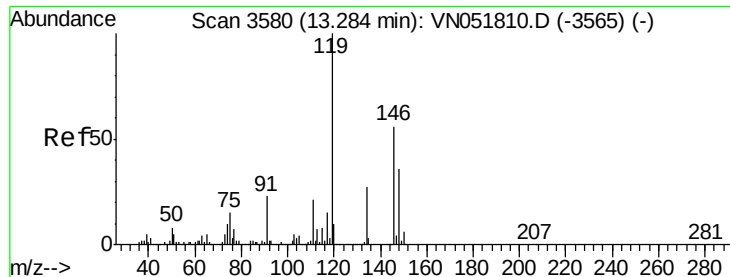


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

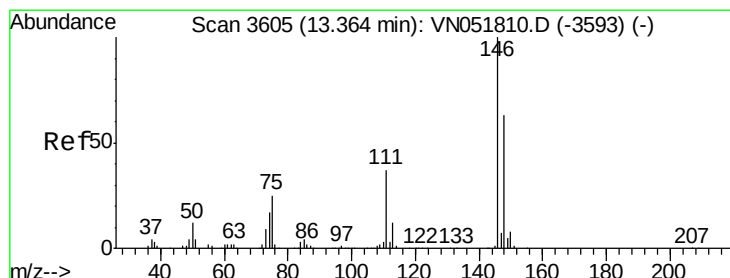
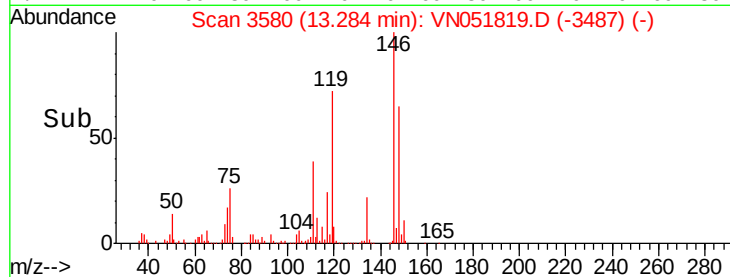
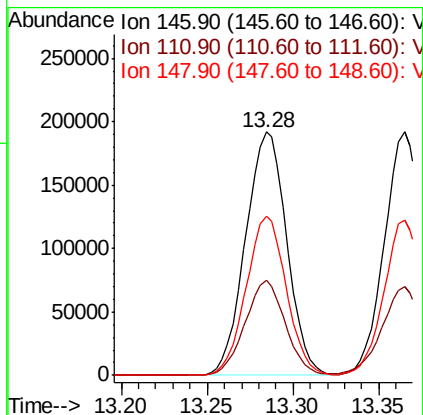
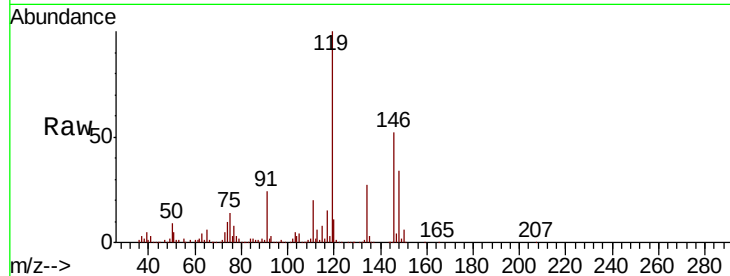




#87
 1,3-Dichlorobenzene
 Concen: 18.971 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

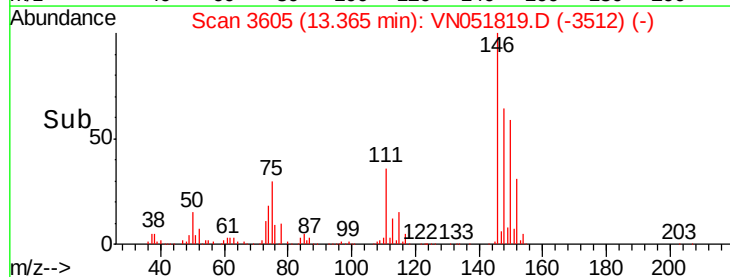
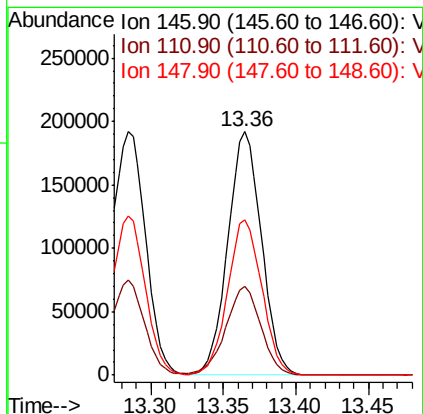
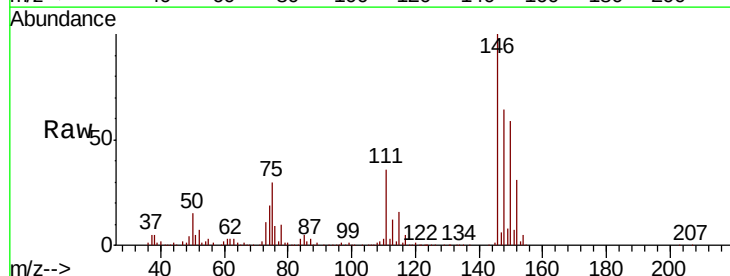
Instrument :
 MSVOA_N
 ClientSampled :

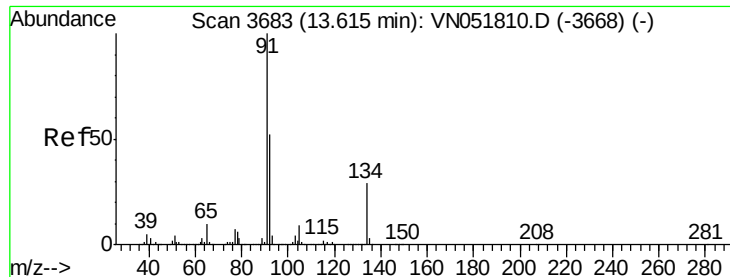
Tot Ion:146 Resp: 318747
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.3
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 18.944 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion:146 Resp: 308503
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.3
 148 64.9 32.2 96.6





#89

n-Butylbenzene

Concen: 20.177 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

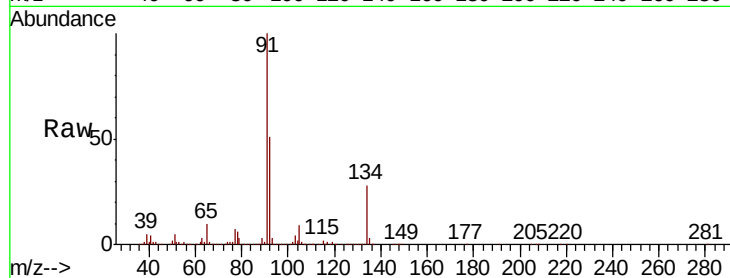
Tot Ion: 91 Resp: 508877

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

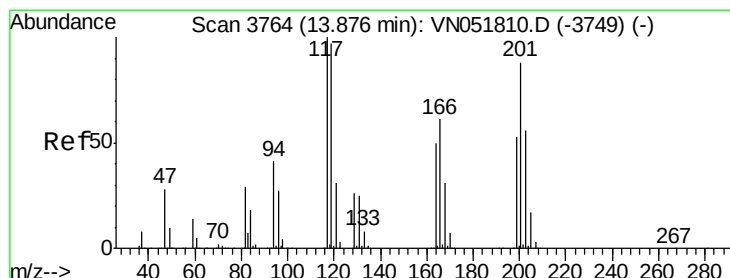
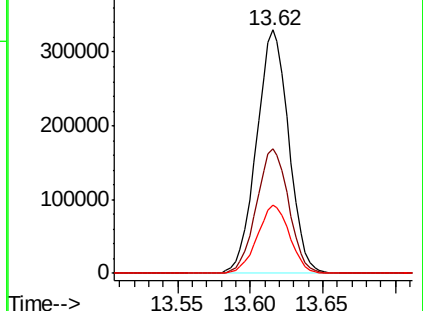
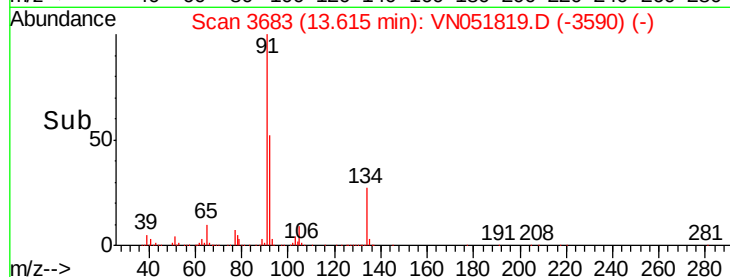
134 28.2 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN051819.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051819.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051819.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.758 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051819.D

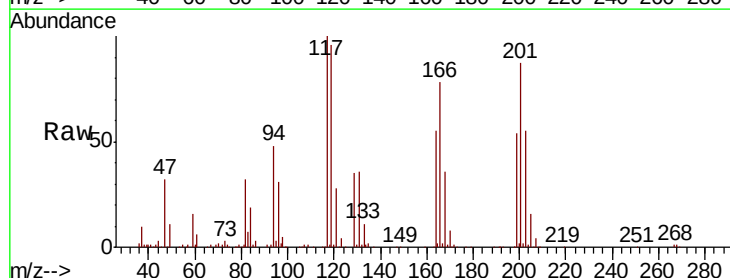
Acq: 11 Oct 2018 18:19

Tgt Ion: 117 Resp: 109341

Ion Ratio Lower Upper

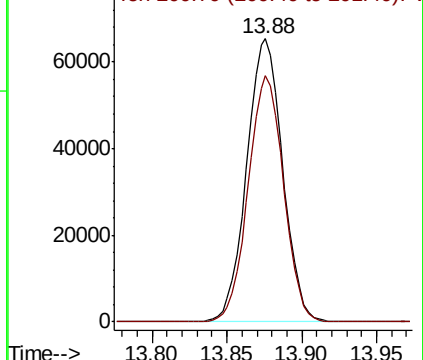
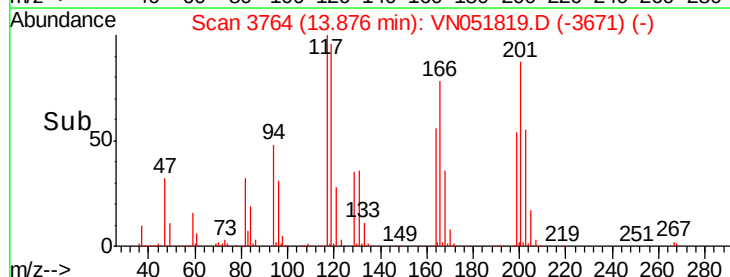
117 100

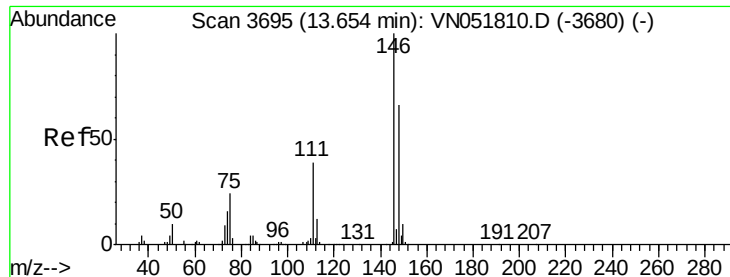
201 85.4 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN051819.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051819.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.852 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

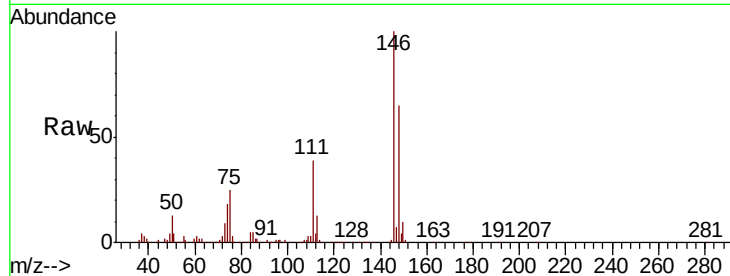
Tot Ion:146 Resp: 322313

Ion Ratio Lower Upper

146 100

111 38.7 19.8 59.3

148 64.6 32.3 96.8

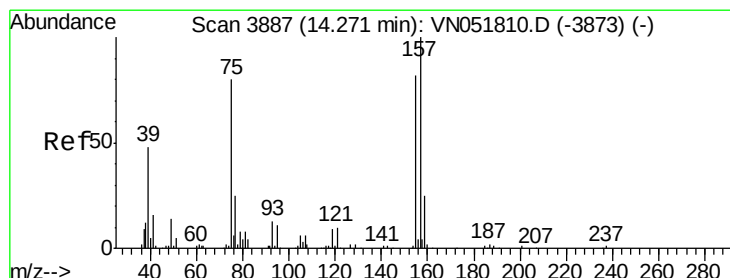
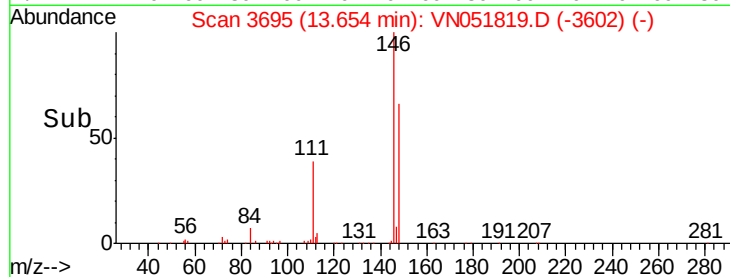
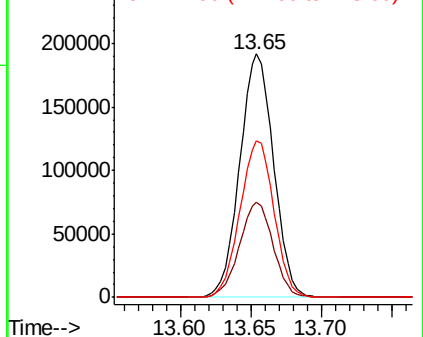


Abundance

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: 20.906 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

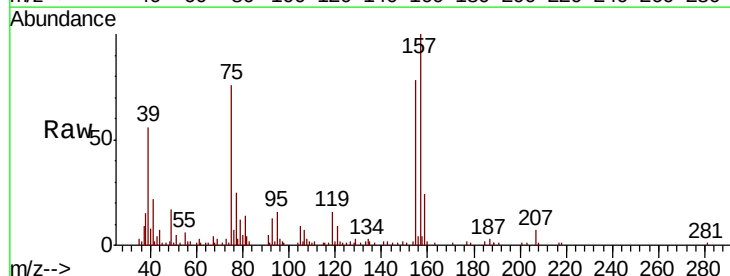
Tgt Ion: 75 Resp: 26635

Ion Ratio Lower Upper

75 100

155 102.7 46.4 139.1

157 130.5 60.7 182.0

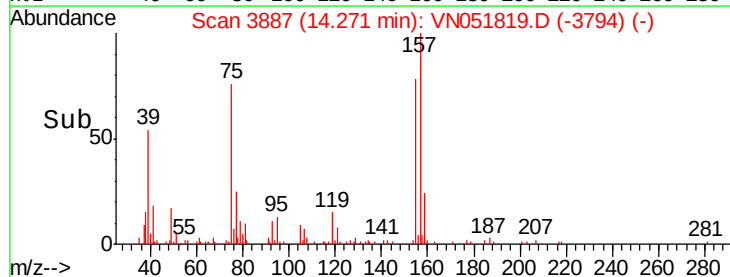
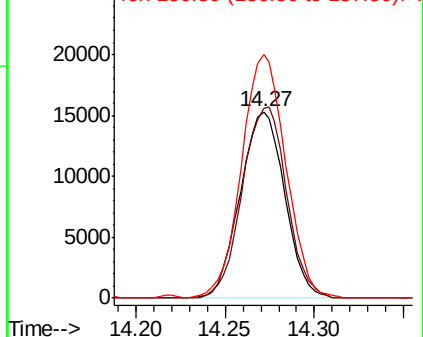


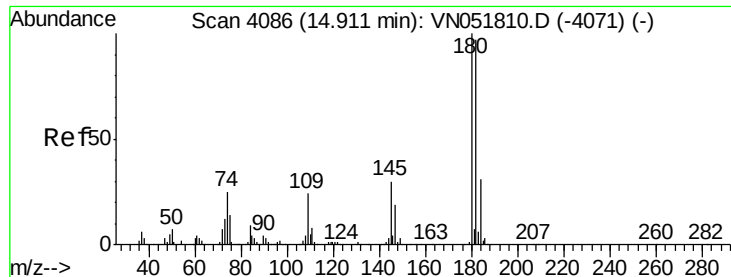
Abundance

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

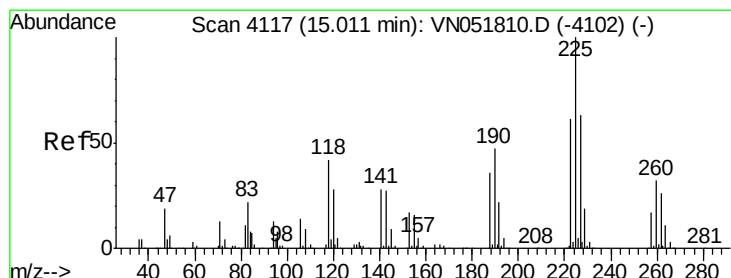
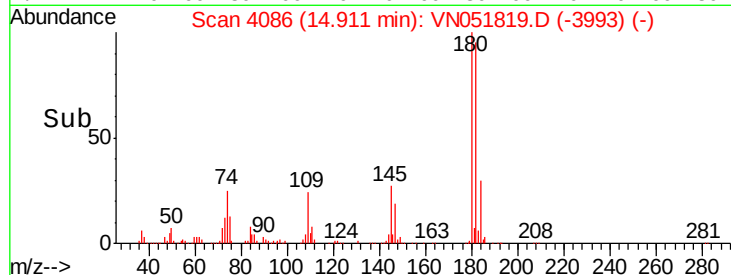
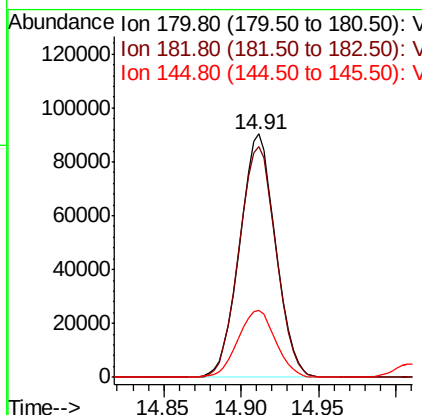
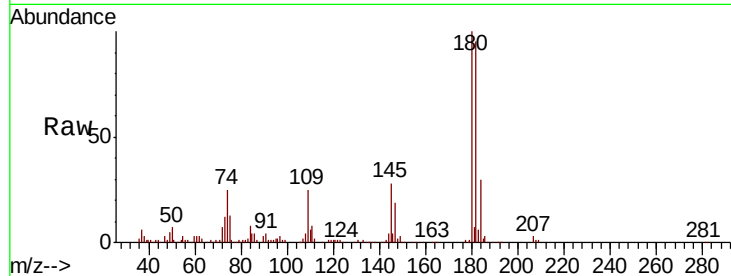




#93
 1,2,4-Trichlorobenzene
 Concen: 19.424 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

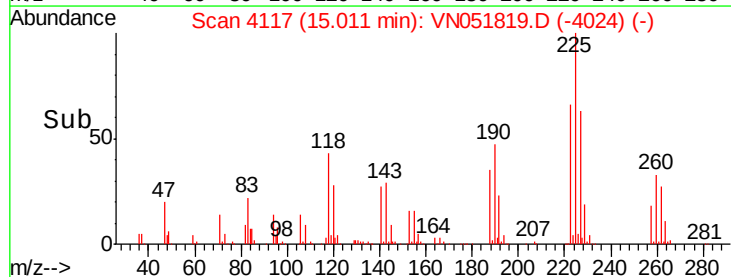
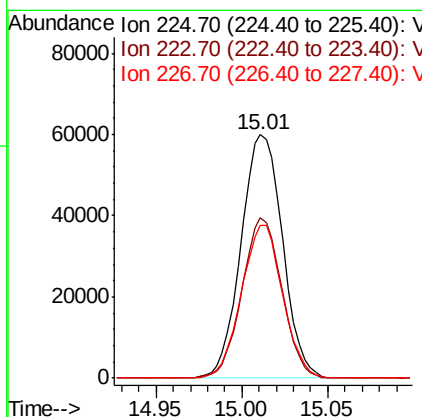
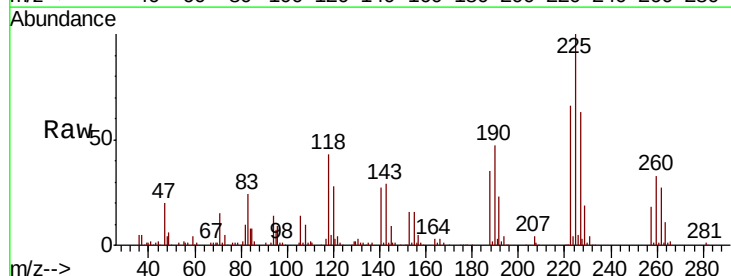
Instrument :
 MSVOA_N
 ClientSampleId :

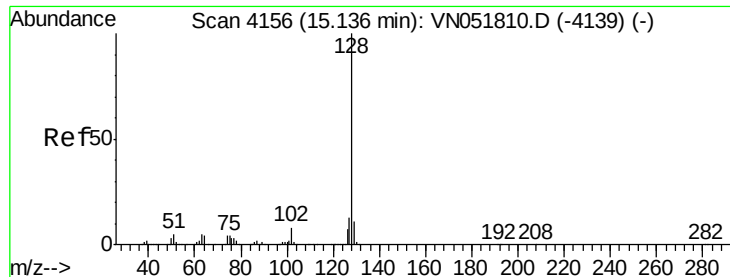
Tot Ion:180 Resp: 145927
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.2 144.6
 145 29.1 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 19.100 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051819.D
 Acq: 11 Oct 2018 18:19

Tgt Ion:225 Resp: 100245
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.3 93.8
 227 62.4 32.0 96.2





#95

Naphthalene

Concen: 20.329 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

Instrument :

MSVOA_N

ClientSampleId :

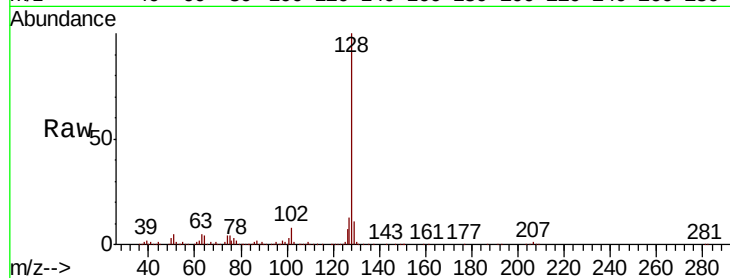
Tot Ion:128 Resp: 329079

Ion Ratio Lower Upper

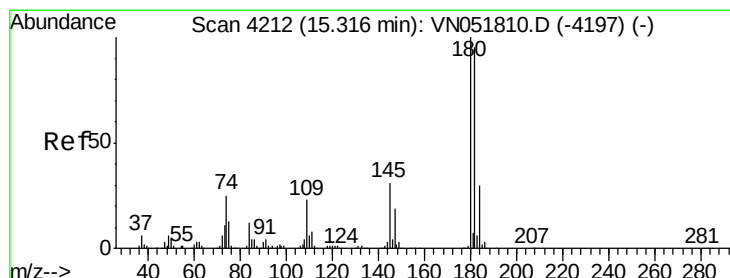
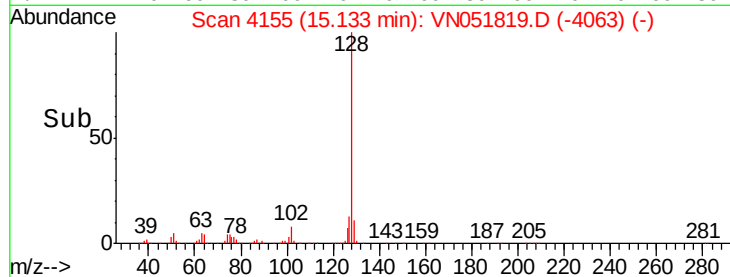
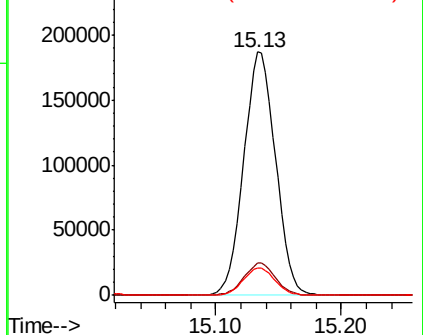
128 100

127 13.2 10.5 15.7

129 11.4 8.7 13.1



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: 20.672 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051819.D

Acq: 11 Oct 2018 18:19

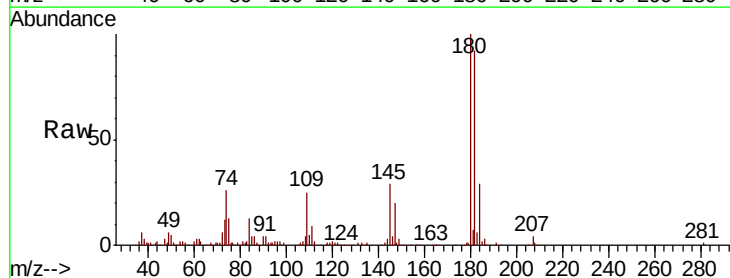
Tgt Ion:180 Resp: 157286

Ion Ratio Lower Upper

180 100

182 93.6 48.0 144.2

145 30.9 15.2 45.6



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

