

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049469.D
 Acq On : 21 Jun 2018 15:26
 Operator : MD\SY
 Sample : VN0621WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 03:38:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1362884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2049321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1808026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	884512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	879148	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.59	113	790123	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.09	98	2887268	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
62) 4-Bromofluorobenzene	12.40	95	953081	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	293527	18.71	ug/l	99
3) Chloromethane	2.06	50	364402	17.99	ug/l	98
4) Vinyl Chloride	2.18	62	400984	18.63	ug/l	98
5) Bromomethane	2.57	94	201661	17.82	ug/l	99
6) Chloroethane	2.70	64	256057	19.95	ug/l	100
7) Trichlorofluoromethane	3.02	101	529194	19.70	ug/l	97
8) Diethyl Ether	3.41	74	185601	19.79	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	326817	19.19	ug/l	93
10) Methyl Iodide	3.95	142	342874	19.34	ug/l	92
11) Tert butyl alcohol	4.80	59	104667	98.65	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	291365	18.65	ug/l	94
13) Acrolein	3.61	56	115650	103.95	ug/l	97
14) Allyl chloride	4.32	41	461136	18.69	ug/l	90
15) Acrylonitrile	4.99	53	535532	100.95	ug/l	99
16) Acetone	3.82	43	452908	103.19	ug/l	95
17) Carbon Disulfide	4.05	76	863161	17.62	ug/l	98
18) Methyl Acetate	4.33	43	309338	23.12	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	790496	19.84	ug/l	99
20) Methylene Chloride	4.55	84	358036	19.53	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	309120	18.68	ug/l	93
22) Diisopropyl ether	5.96	45	986111	20.01	ug/l	99
23) Vinyl Acetate	5.90	43	3158977	98.34	ug/l	96
24) 1,1-Dichloroethane	5.85	63	610353	19.35	ug/l	98
25) 2-Butanone	6.84	43	607646	103.11	ug/l	95
26) 2,2-Dichloropropane	6.83	77	489327	19.21	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	358183	19.47	ug/l	91
28) Bromochloromethane	7.20	49	260182	18.61	ug/l	85
29) Tetrahydrofuran	7.22	42	384351	101.32	ug/l	93
30) Chloroform	7.37	83	621649	19.81	ug/l	99
31) Cyclohexane	7.66	56	508757	18.92	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	533860	19.94	ug/l	97
36) 1,1-Dichloropropene	7.79	75	448965	19.12	ug/l	98
37) Ethyl Acetate	6.93	43	278017	21.77	ug/l	98
38) Carbon Tetrachloride	7.77	117	468343	19.26	ug/l	99

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Quant Time: Jun 22 03:38:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	459631	18.23	ug/l	96
40) Benzene	8.04	78	1382399	19.20	ug/l	100
41) Methacrylonitrile	7.18	41	138010	19.99	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	440310	19.79	ug/l	97
43) Isopropyl Acetate	8.17	43	564666	23.15	ug/l	96
44) Trichloroethene	8.84	130	370495	19.48	ug/l	93
45) 1,2-Dichloropropane	9.12	63	364106	19.31	ug/l	99
46) Dibromomethane	9.21	93	219814	20.11	ug/l	92
47) Bromodichloromethane	9.40	83	474471	19.75	ug/l	96
48) Methyl methacrylate	9.20	41	238621	20.77	ug/l	87
49) 1,4-Dioxane	9.20	88	62592	394.75	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	1345162	105.20	ug/l	94
52) Toluene	10.16	92	842909	19.94	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	437525	19.04	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	515621	19.00	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	313287	19.88	ug/l	98
56) Ethyl methacrylate	10.43	69	361774	19.90	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	515532	19.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	447654	79.27	ug/l	96
59) 2-Hexanone	10.76	43	860971	104.44	ug/l	94
60) Dibromochloromethane	10.90	129	351989	20.02	ug/l	99
61) 1,2-Dibromoethane	11.01	107	297281	20.30	ug/l	99
64) Tetrachloroethene	10.63	164	414009	22.35	ug/l	98
65) Chlorobenzene	11.44	112	908738	19.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	350752	20.01	ug/l	99
67) Ethyl Benzene	11.51	91	1516150	19.63	ug/l	98
68) m/p-Xylenes	11.63	106	1178272	40.64	ug/l	96
69) o-Xylene	11.95	106	562341	20.14	ug/l	94
70) Styrene	11.97	104	897022	20.36	ug/l	98
71) Bromoform	12.13	173	237226	20.91	ug/l #	98
73) Isopropylbenzene	12.25	105	1489318	19.18	ug/l	98
74) N-amyl acetate	12.07	43	360310	18.94	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	347979	20.46	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	444727	29.47	ug/l #	100
77) Bromobenzene	12.53	156	386150	18.82	ug/l	90
78) n-propylbenzene	12.59	91	1659275	19.46	ug/l	100
79) 2-Chlorotoluene	12.68	91	1029324	19.05	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1209499	19.81	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	92897	19.45	ug/l	94
82) 4-Chlorotoluene	12.78	91	1013929	19.45	ug/l	97
83) tert-Butylbenzene	12.99	119	1014779	18.76	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1212214	19.99	ug/l	99
85) sec-Butylbenzene	13.17	105	1364955	18.96	ug/l	99
86) p-Isopropyltoluene	13.29	119	1141354	18.98	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	629645	18.66	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	615596	18.40	ug/l	100
89) n-Butylbenzene	13.62	91	812529	17.30	ug/l	99
90) Hexachloroethane	13.88	117	240021	20.07	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	627022	18.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50749	18.77	ug/l	85

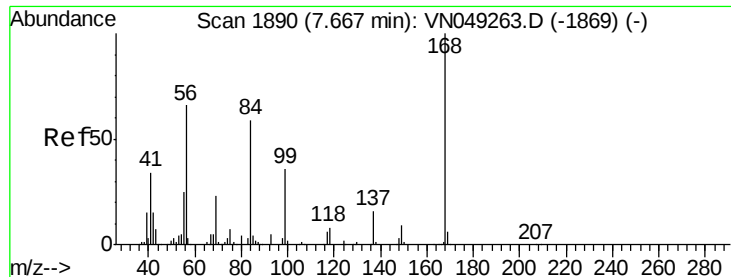
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	185548	15.81	ug/l	99
94) Hexachlorobutadiene	15.01	225	196171	18.55	ug/l	99
95) Naphthalene	15.14	128	357192	16.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	208381	16.54	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

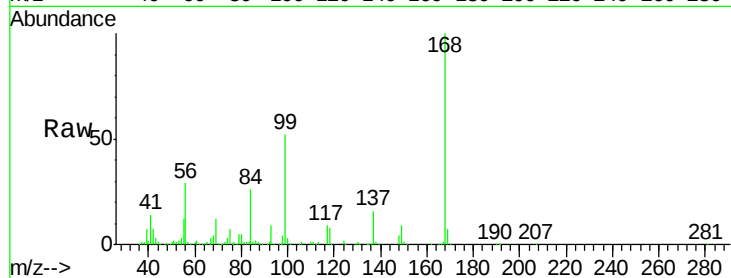
ClientSampleId :

Tot Ion:168 Resp: 1362884

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

300000

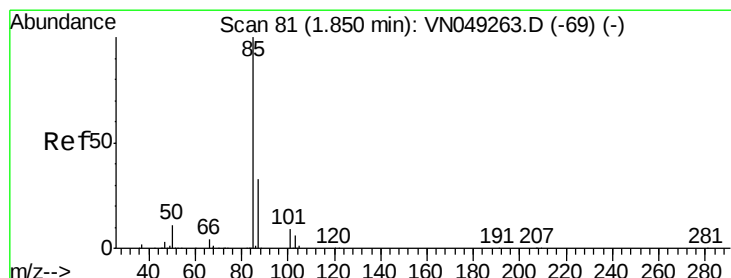
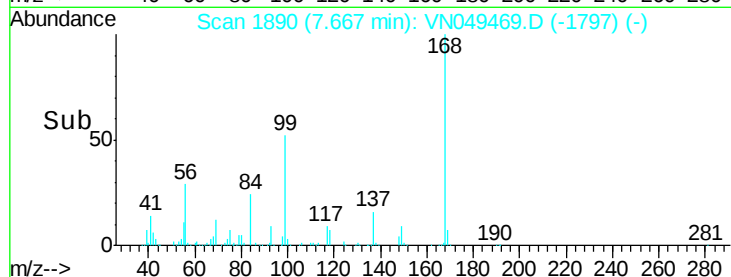
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.71 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049469.D

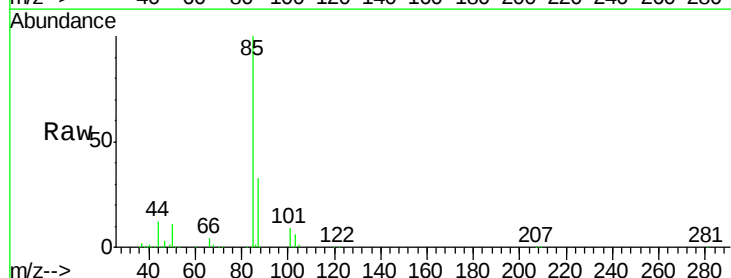
Acq: 21 Jun 2018 15:26

Tgt Ion: 85 Resp: 293527

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

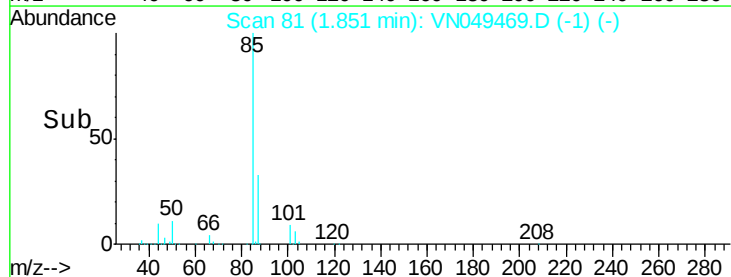
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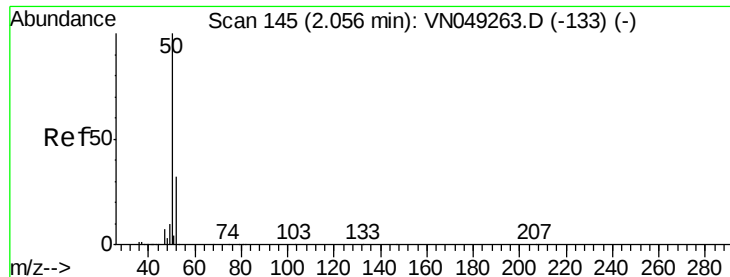
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.99 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

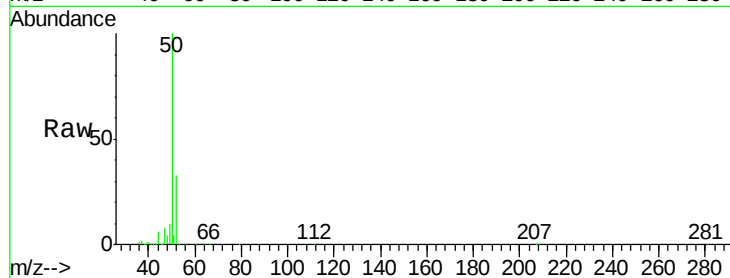
ClientSampled :

Tot Ion: 50 Resp: 364402

Ion Ratio Lower Upper

50 100

52 32.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049469.D (-133) (-)

Ion 51.90 (51.60 to 52.60): VN049469.D (-133) (-)

2.06

300000

250000

200000

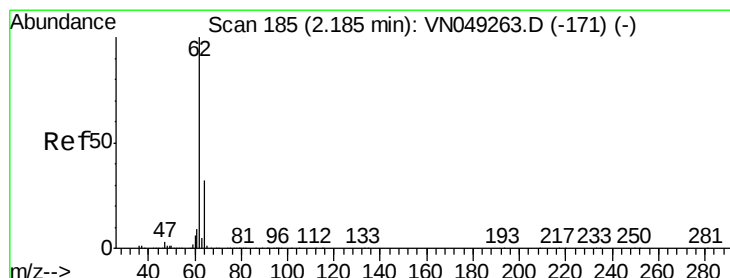
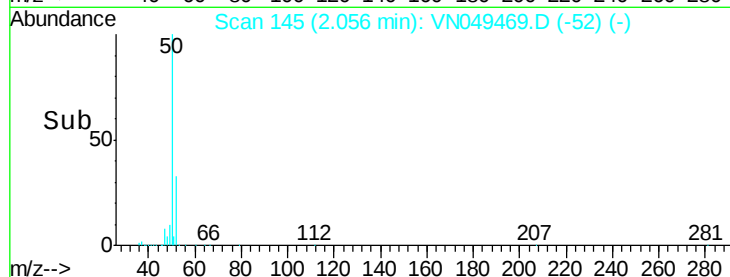
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.63 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049469.D

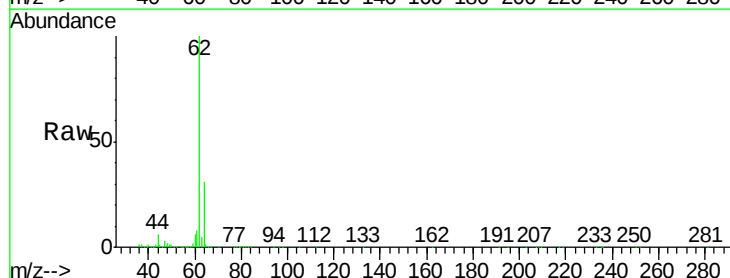
Acq: 21 Jun 2018 15:26

Tgt Ion: 62 Resp: 400984

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049469.D (-171) (-)

Ion 63.90 (63.60 to 64.60): VN049469.D (-171) (-)

2.18

300000

250000

200000

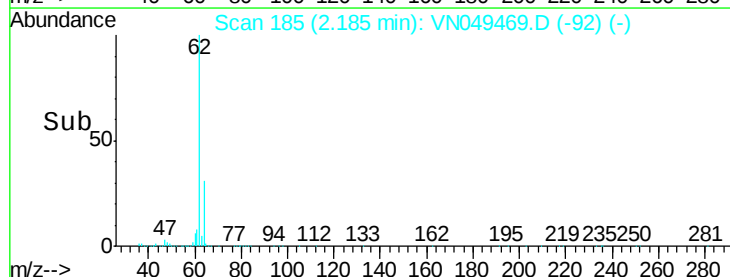
150000

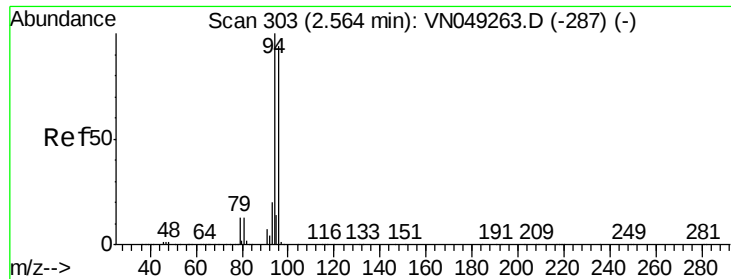
100000

50000

0

Time-->





#5

Bromomethane

Concen: 17.82 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

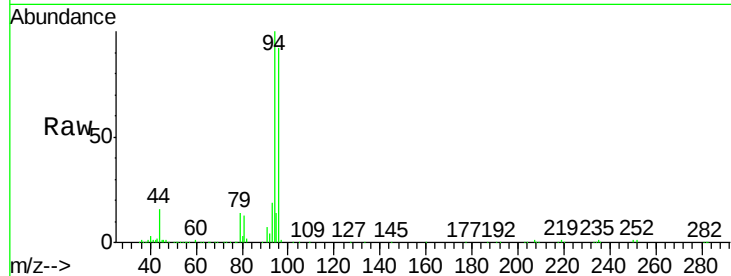
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 201661

Ion Ratio Lower Upper

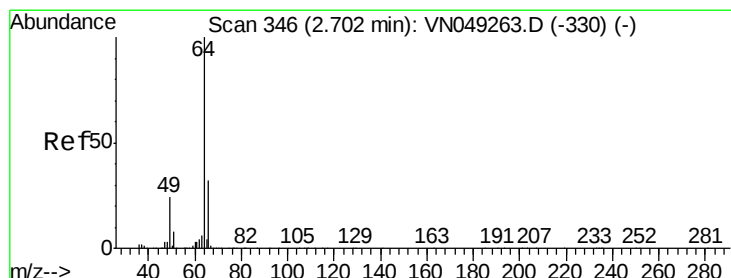
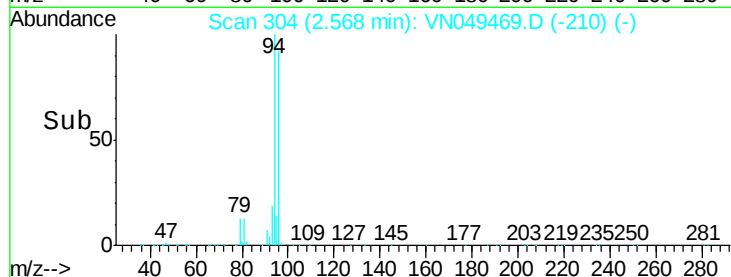
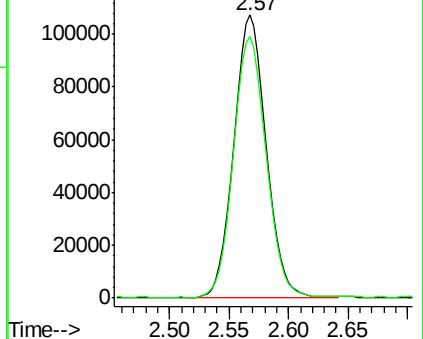
94 100

96 92.1 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049469.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049469.D (-210) (-)



#6

Chloroethane

Concen: 19.95 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049469.D

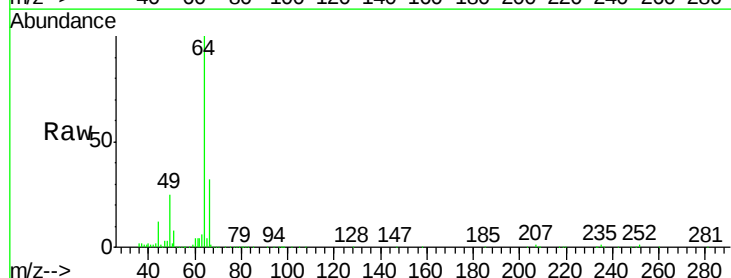
Acq: 21 Jun 2018 15:26

Tgt Ion: 64 Resp: 256057

Ion Ratio Lower Upper

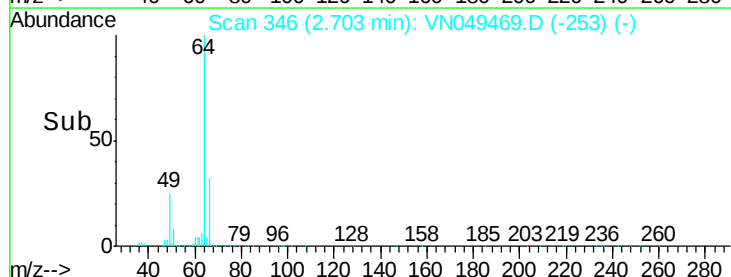
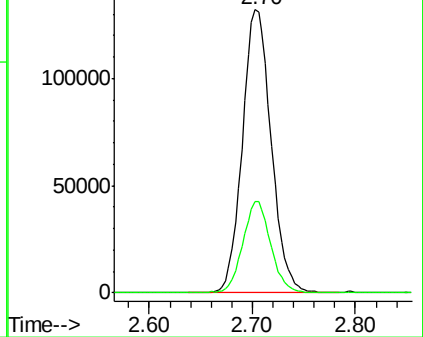
64 100

66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049469.D (-253) (-)

Ion 65.90 (65.60 to 66.60): VN049469.D (-253) (-)



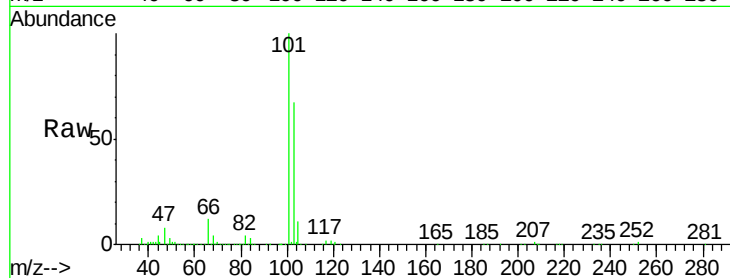


#7

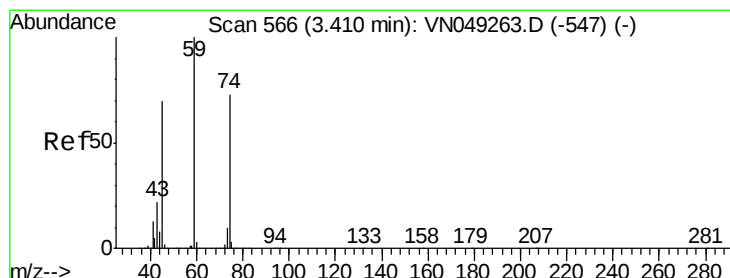
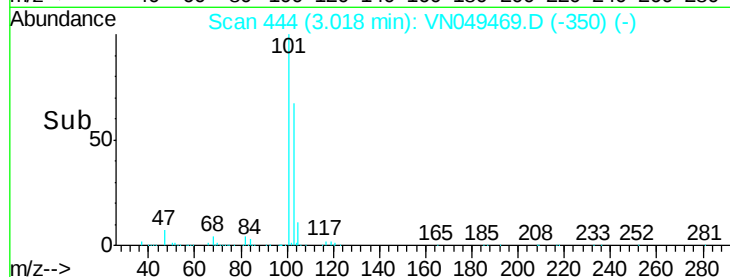
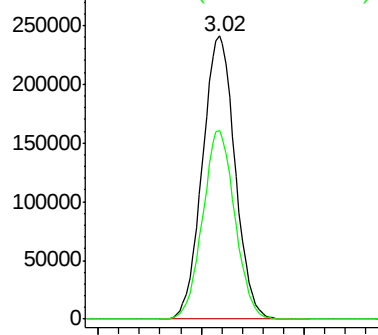
Trichlorofluoromethane
Concen: 19.70 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 529194
Ion Ratio Lower Upper
101 100
103 66.6 51.7 77.5



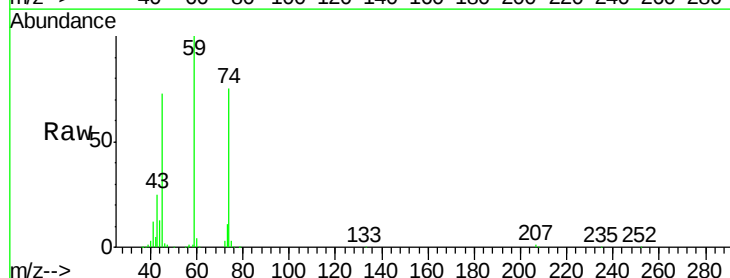
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



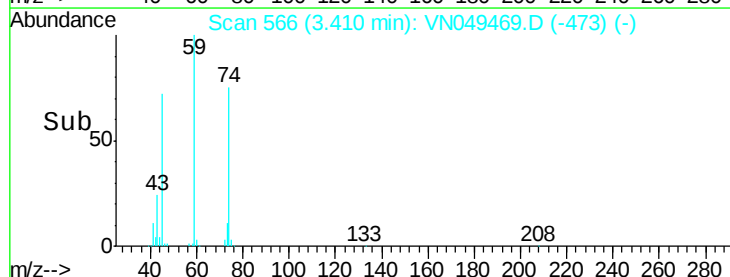
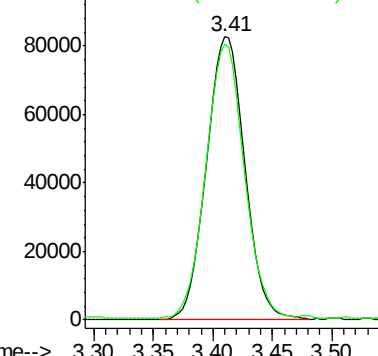
#8

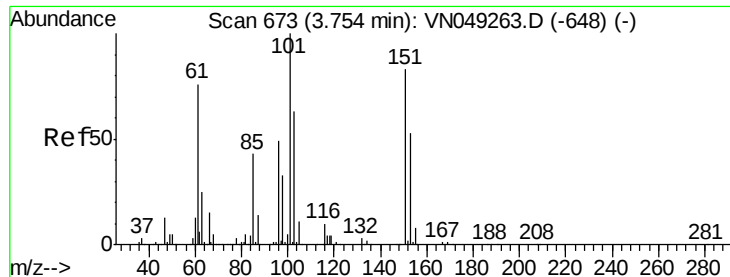
Diethyl Ether
Concen: 19.79 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 74 Resp: 185601
Ion Ratio Lower Upper
74 100
45 96.6 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.19 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

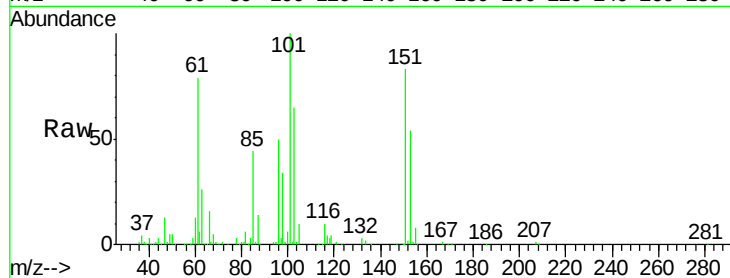
Tot Ion:101 Resp: 326817

Ion Ratio Lower Upper

101 100

85 43.1 37.6 56.4

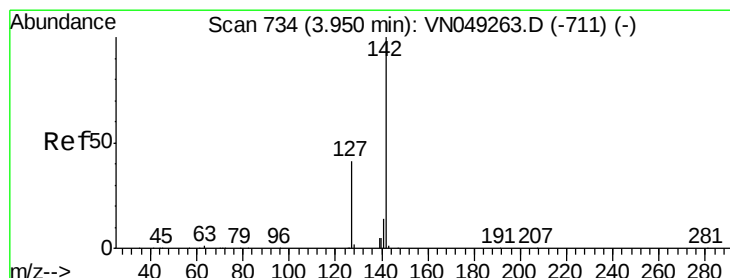
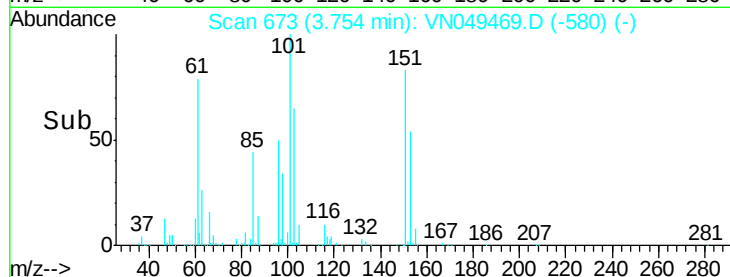
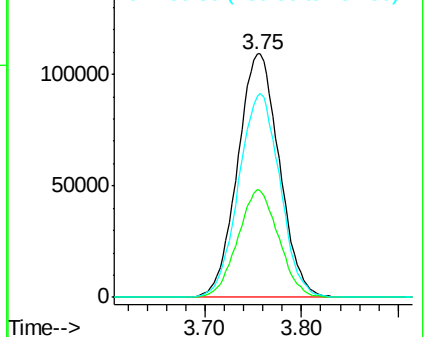
151 83.0 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.34 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

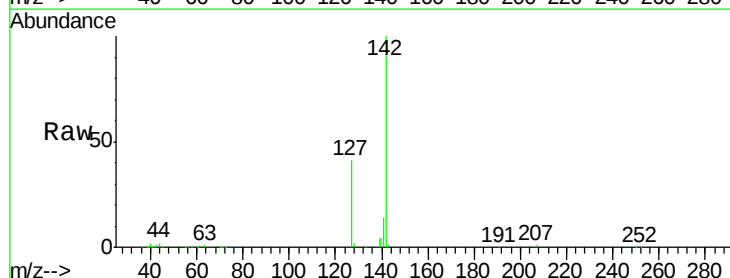
Tgt Ion:142 Resp: 342874

Ion Ratio Lower Upper

142 100

127 41.5 38.2 57.4

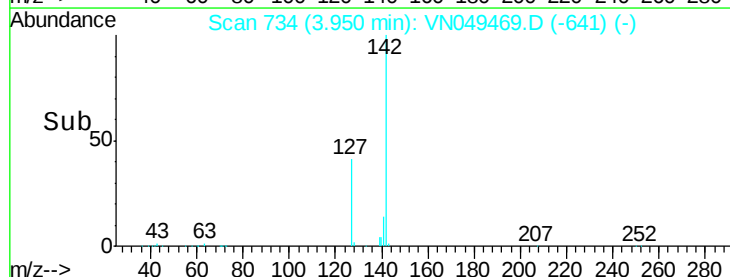
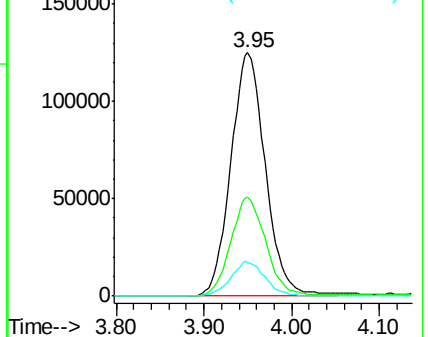
141 14.2 11.9 17.9

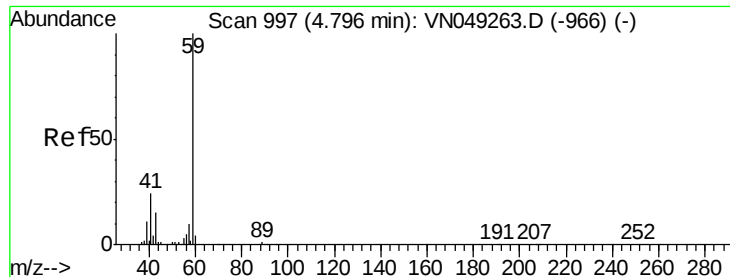


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



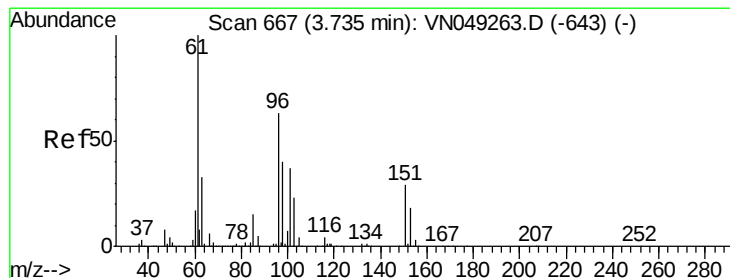
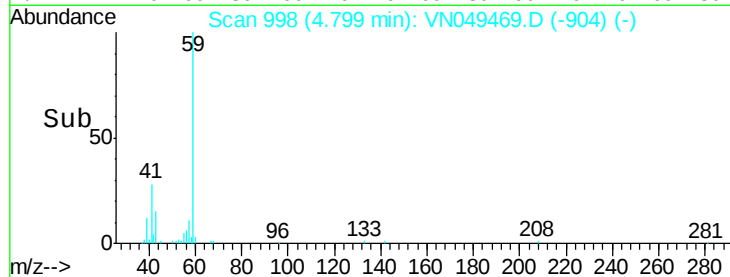
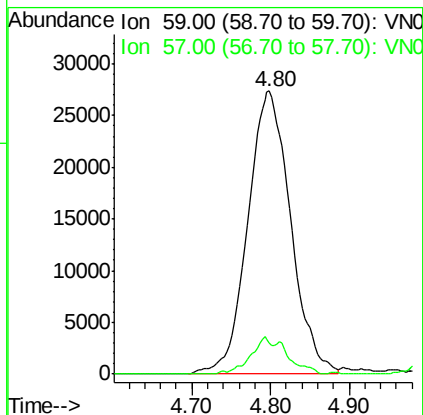
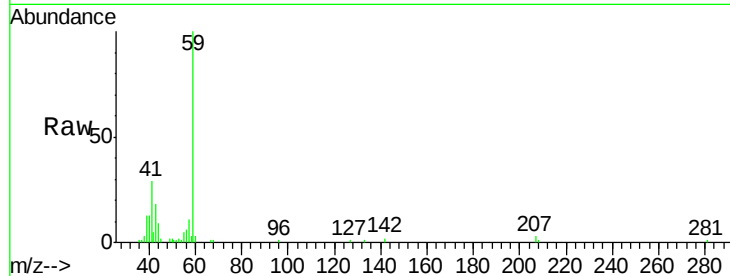


#11

Tert butyl alcohol
 Concen: 98.65 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :

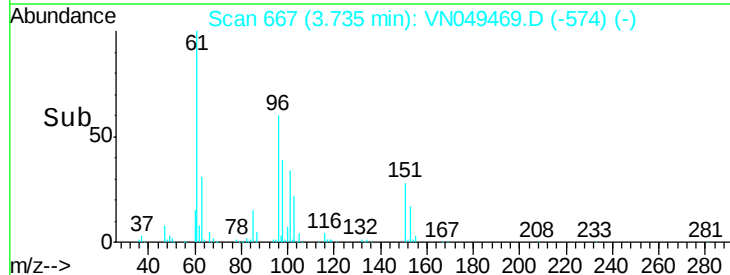
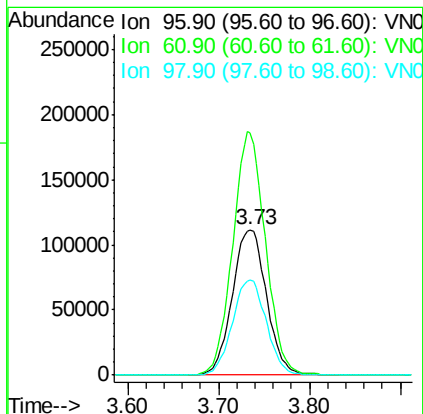
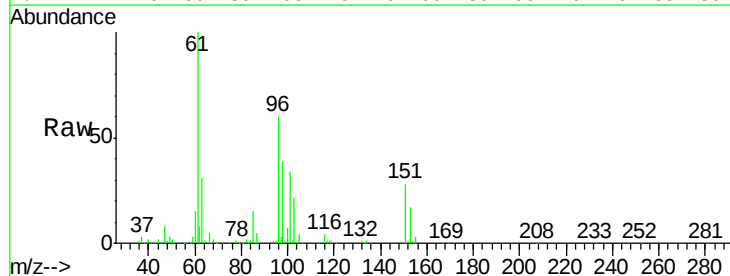
Tot Ion: 59 Resp: 104667
 Ion Ratio Lower Upper
 59 100
 57 6.4 9.0 13.6#

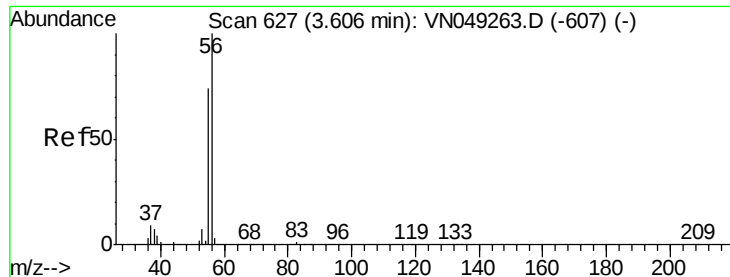


#12

1,1-Dichloroethene
 Concen: 18.65 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion: 96 Resp: 291365
 Ion Ratio Lower Upper
 96 100
 61 166.9 141.0 211.4
 98 65.6 50.4 75.6





#13

Acrolein

Concen: 103.95 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

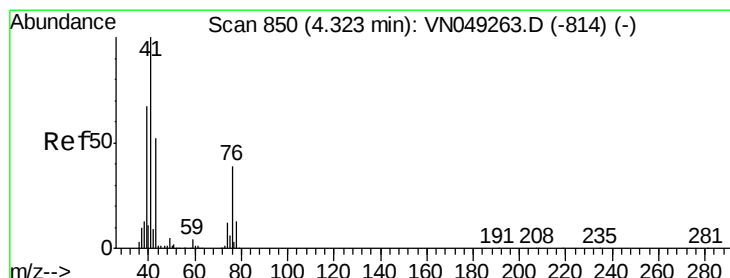
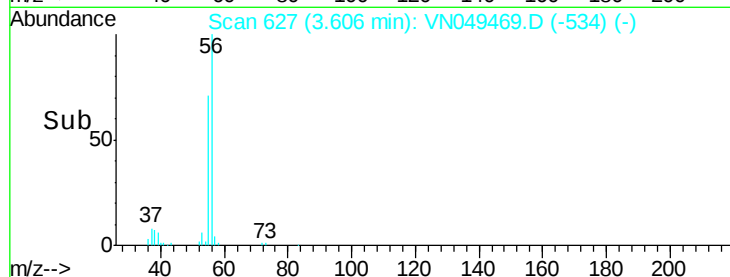
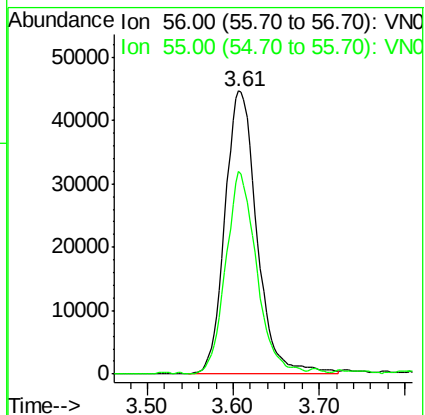
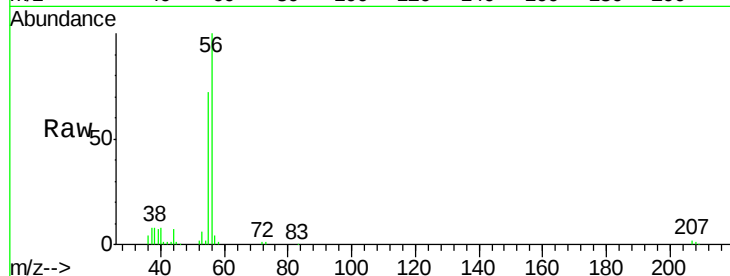
ClientSampleId :

Tot Ion: 56 Resp: 115650

Ion Ratio Lower Upper

56 100

55 68.9 57.1 85.7



#14

Allyl chloride

Concen: 18.69 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

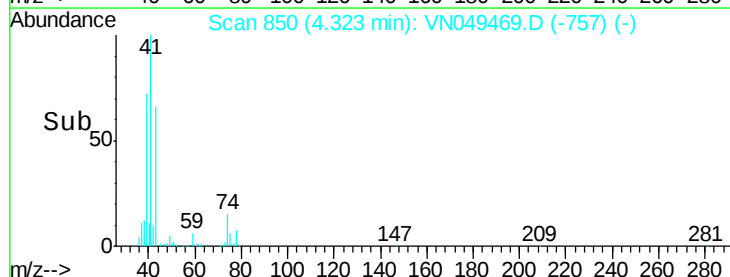
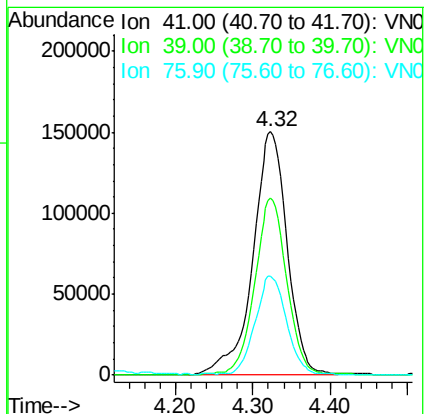
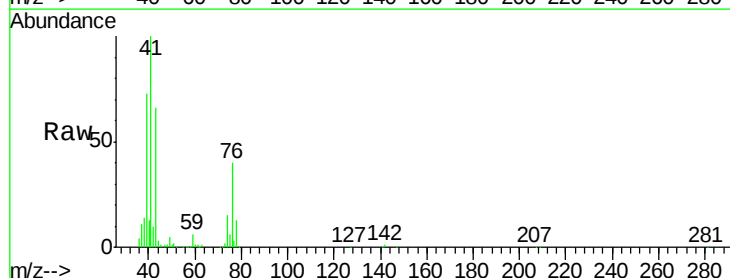
Tgt Ion: 41 Resp: 461136

Ion Ratio Lower Upper

41 100

39 67.9 62.5 93.7

76 37.3 27.1 40.7

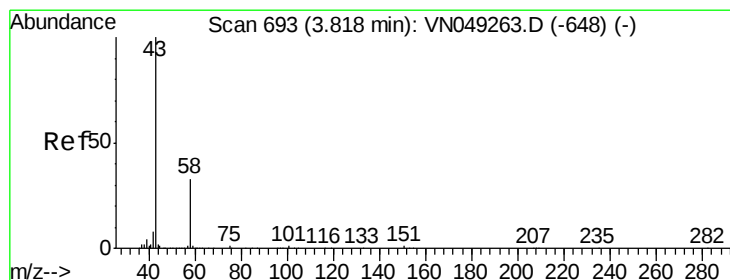
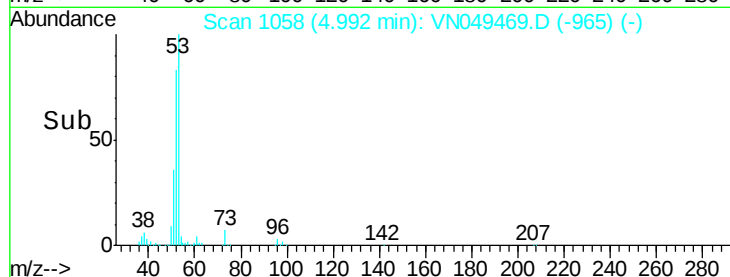
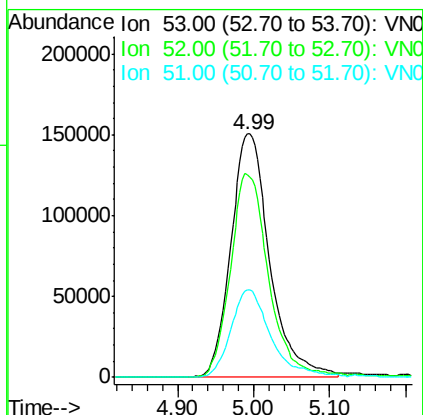
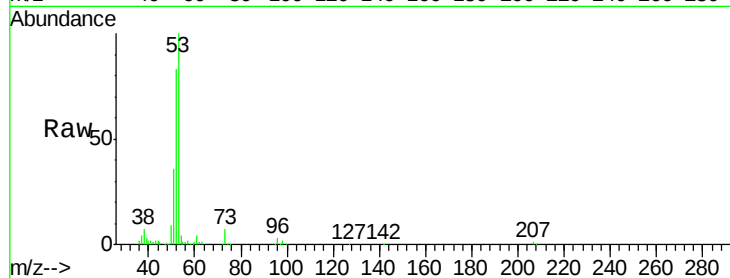




#15
 Acrylonitrile
 Concen: 100.95 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

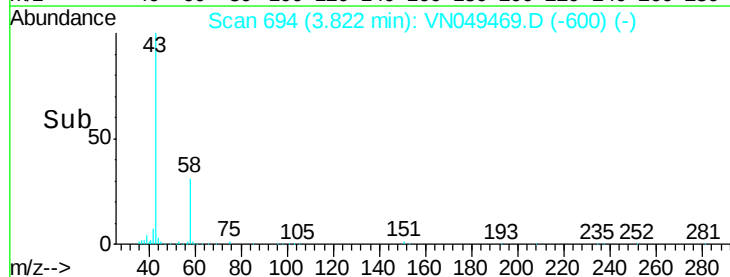
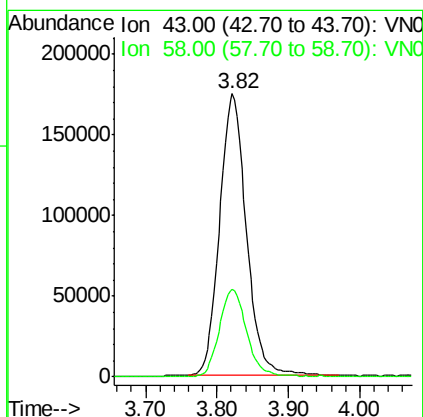
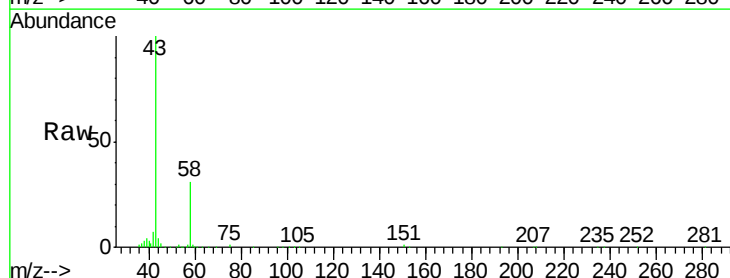
Instrument :
 MSVOA_N
 ClientSampleId :

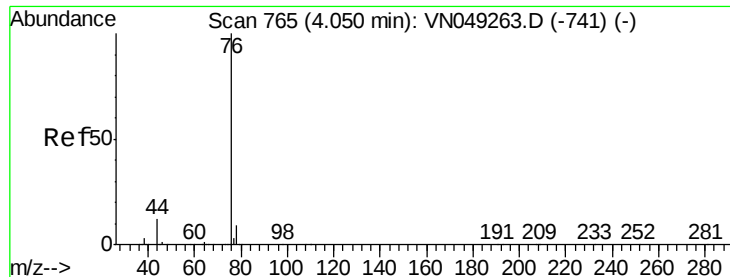
Tot Ion	53	Resp	53532
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	100.0
51	37.2	29.8	44.8



#16
 Acetone
 Concen: 103.19 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	43	Resp	452908
Ion Ratio	Lower	Upper	
43	100		
58	30.8	22.4	33.6

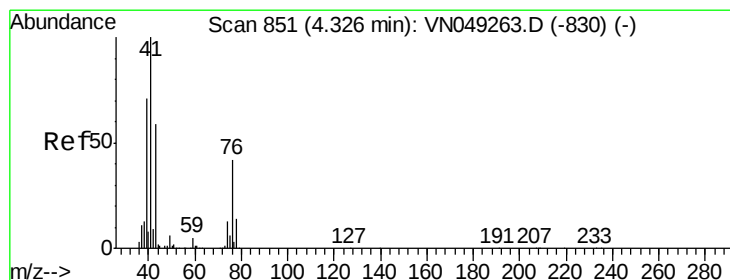
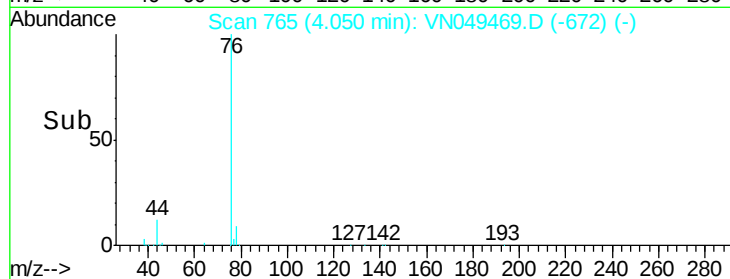
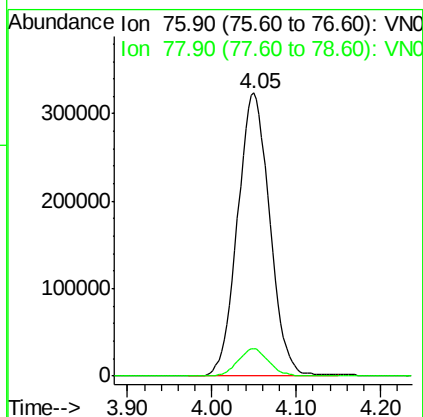
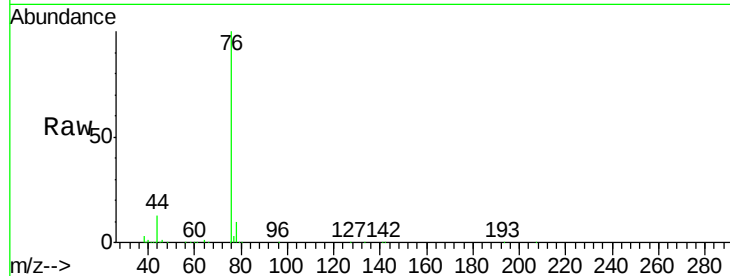




#17
Carbon Disulfide
Concen: 17.62 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

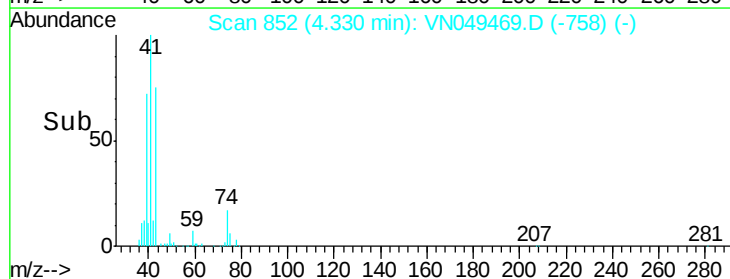
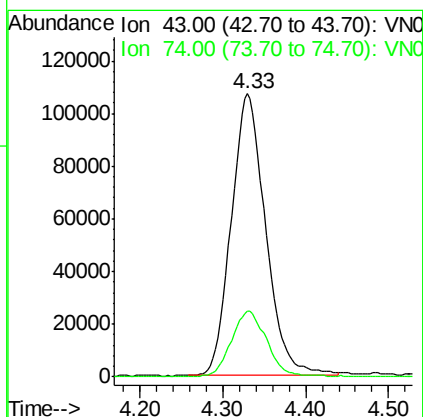
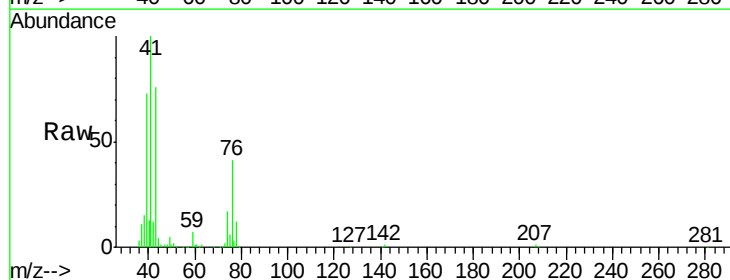
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 863161
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0



#18
Methyl Acetate
Concen: 23.12 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 43 Resp: 309338
Ion Ratio Lower Upper
43 100
74 23.9 17.4 26.0

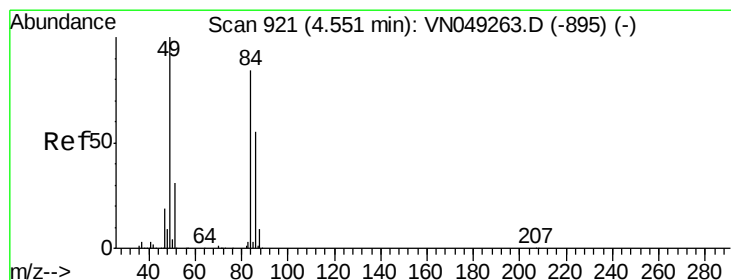
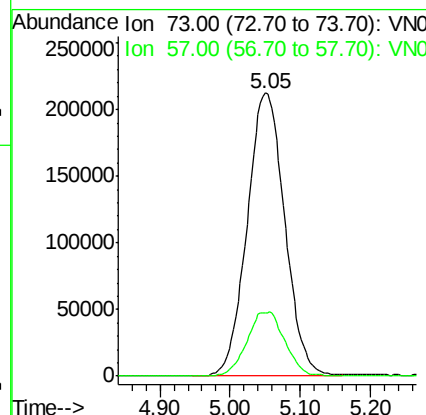
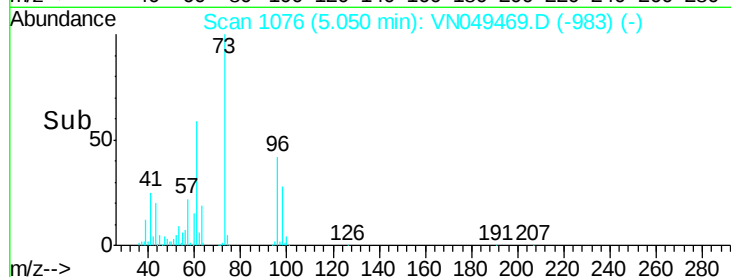
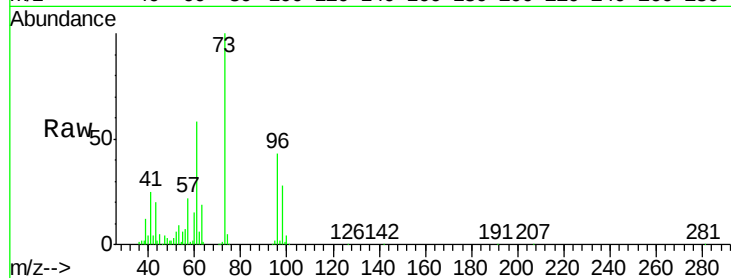




#19
Methvl tert-butvl Ether
Concen: 19.84 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

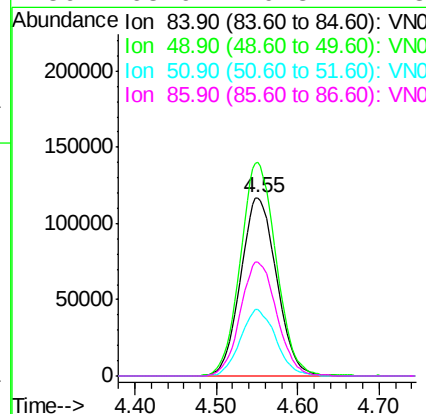
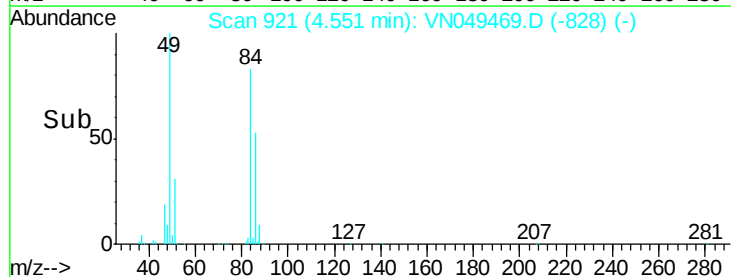
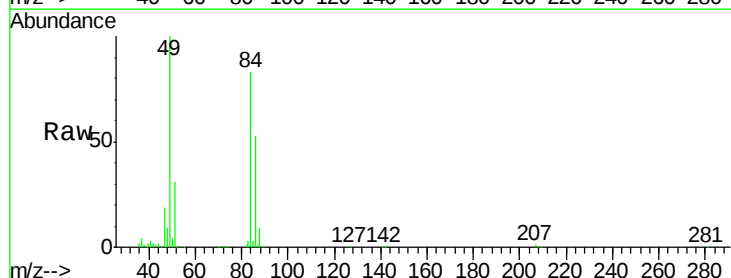
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 790496
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4



#20
Methylene Chloride
Concen: 19.53 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 84 Resp: 358036
Ion Ratio Lower Upper
84 100
49 119.9 106.9 160.3
51 37.6 32.7 49.1
86 63.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.68 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

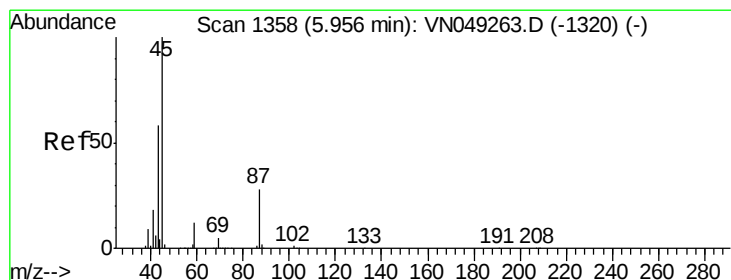
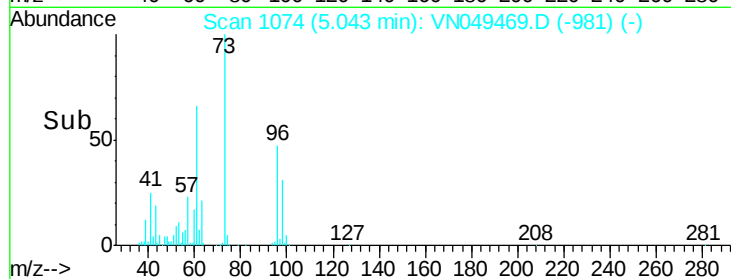
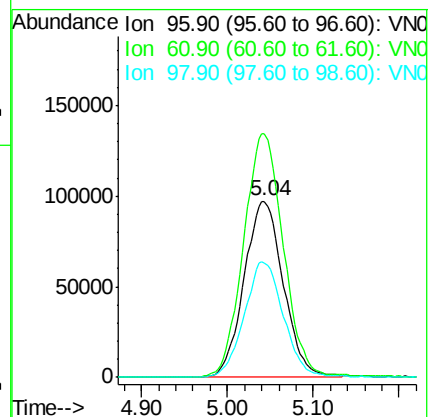
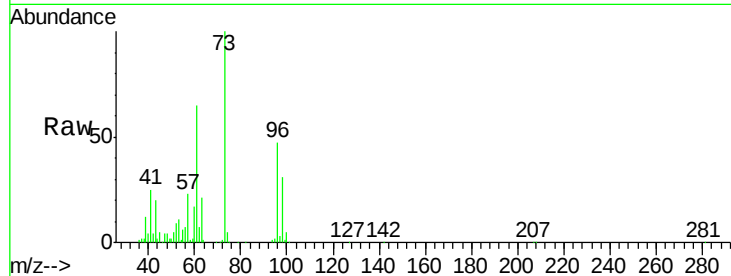
Tot Ion: 96 Resp: 309120

Ion Ratio Lower Upper

96 100

61 138.3 121.3 181.9

98 65.3 52.0 78.0



#22

Diisopropyl ether

Concen: 20.01 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion: 45 Resp: 986111

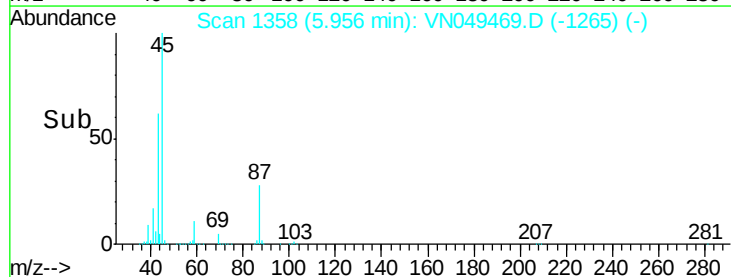
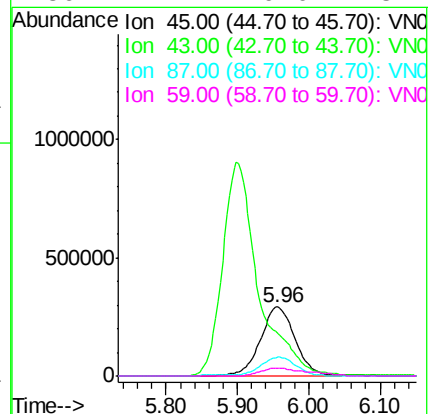
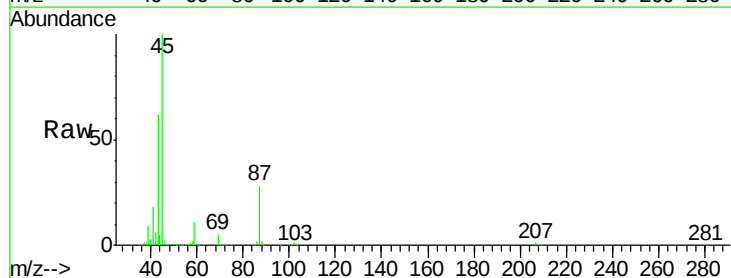
Ion Ratio Lower Upper

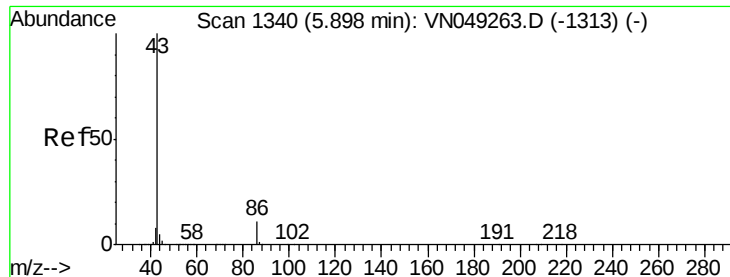
45 100

43 60.6 48.6 72.8

87 27.0 20.2 30.2

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 98.34 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

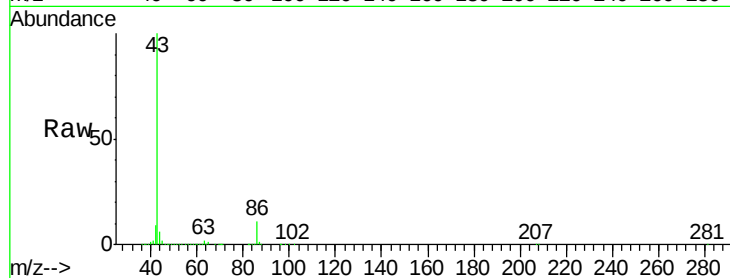
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3158977

Ion Ratio Lower Upper

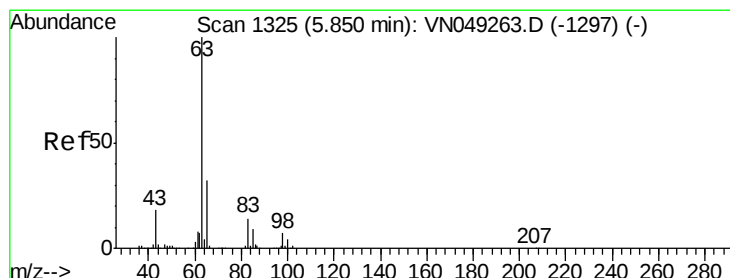
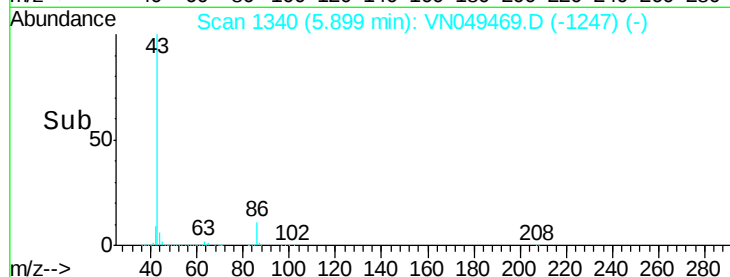
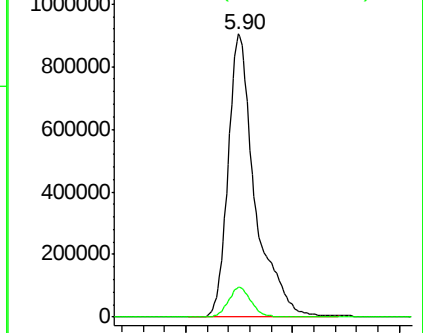
43 100

86 10.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.35 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

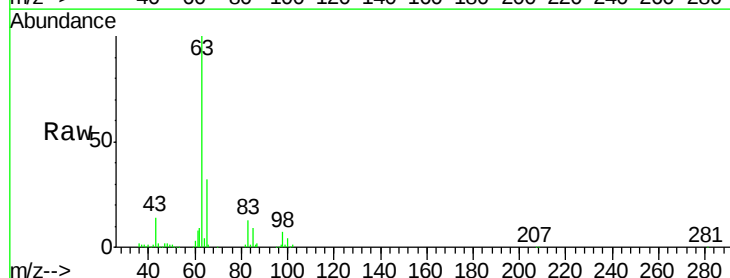
Tgt Ion: 63 Resp: 610353

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

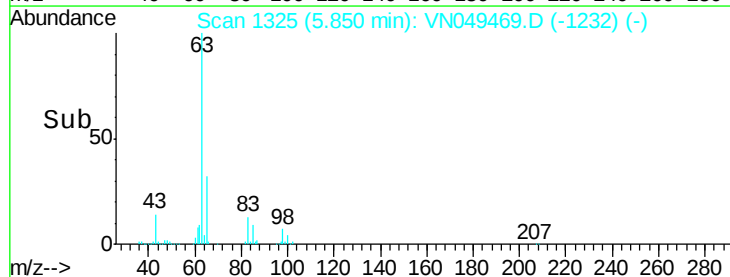
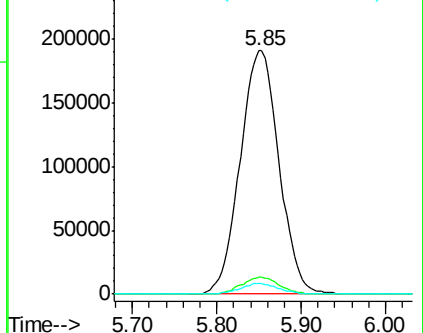
100 4.3 2.1 6.3

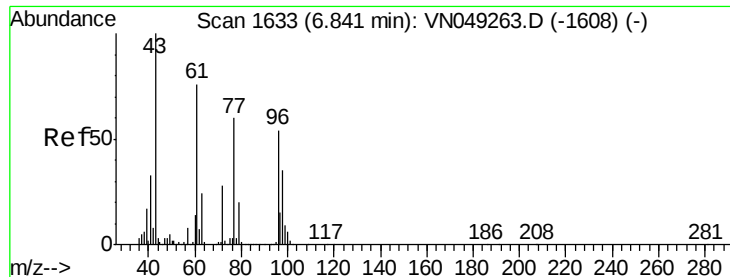


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 103.11 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

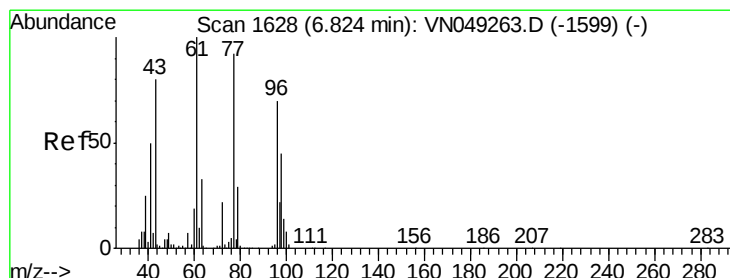
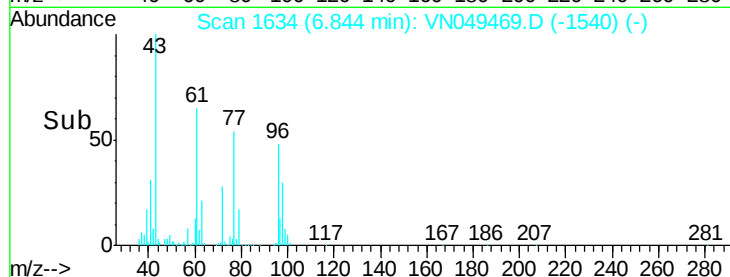
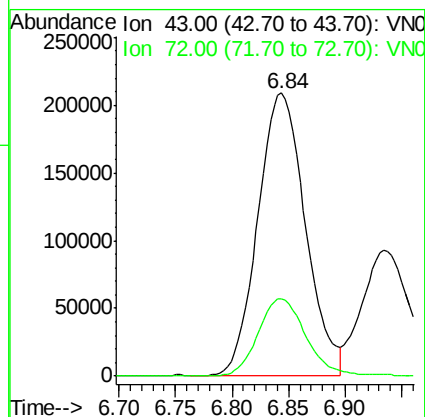
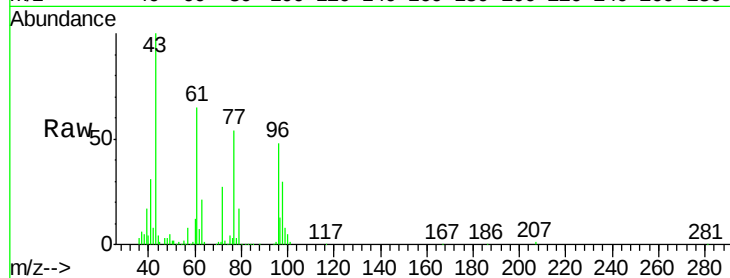
ClientSampled :

Tot Ion: 43 Resp: 607646

Ion Ratio Lower Upper

43 100

72 27.5 20.2 30.2



#26

2,2-Dichloropropane

Concen: 19.21 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049469.D

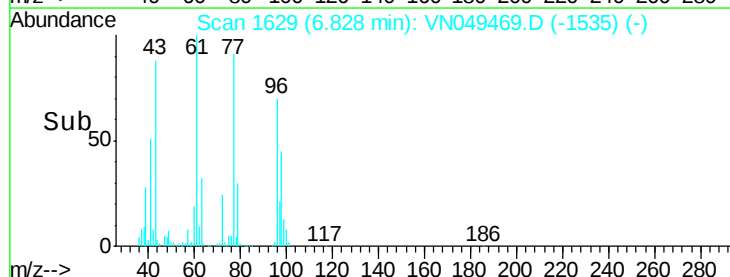
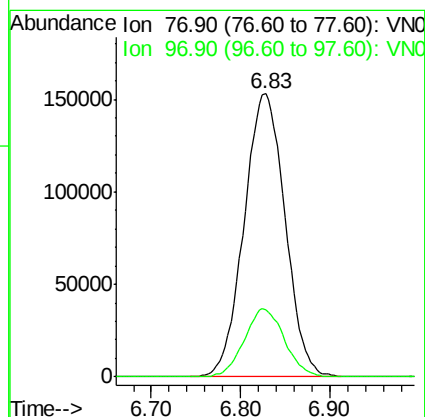
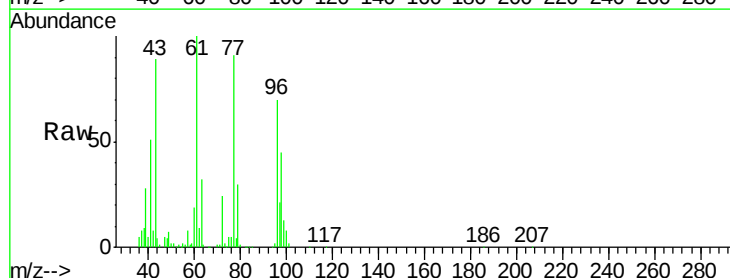
Acq: 21 Jun 2018 15:26

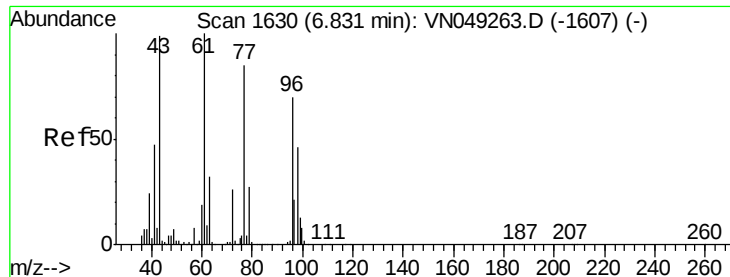
Tgt Ion: 77 Resp: 489327

Ion Ratio Lower Upper

77 100

97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.47 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :

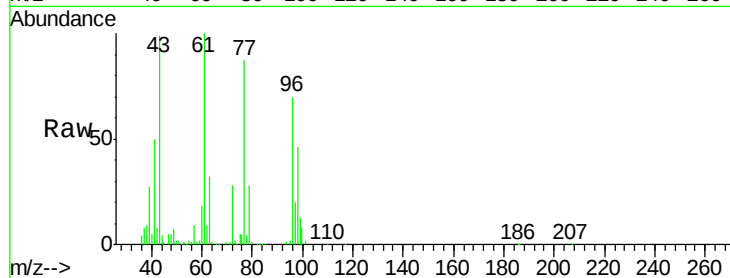
Tot Ion: 96 Resp: 358183

Ion Ratio Lower Upper

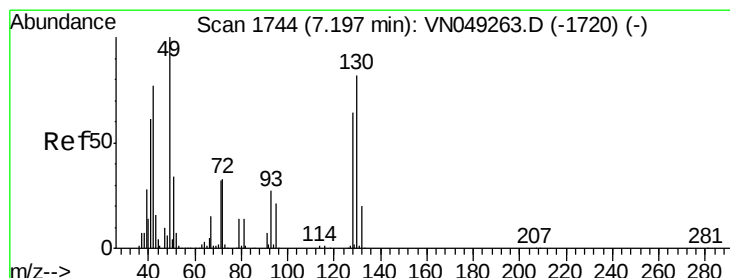
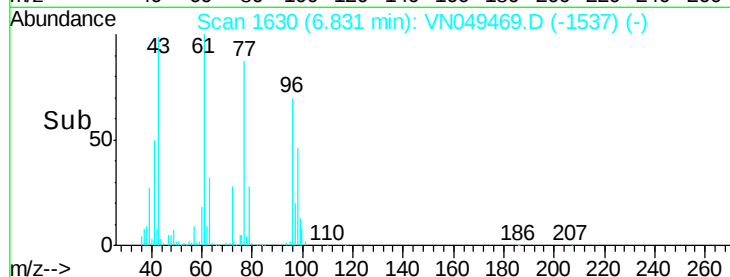
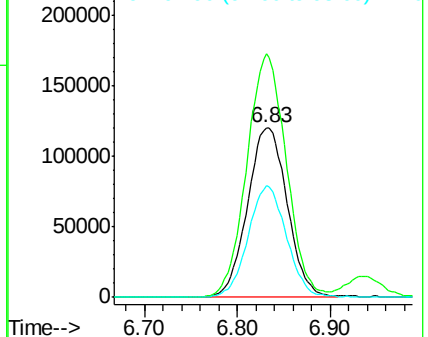
96 100

61 142.2 0.0 316.4

98 63.3 0.0 128.4



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: 18.61 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

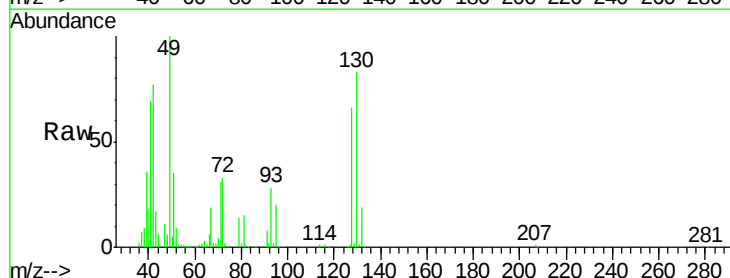
Tgt Ion: 49 Resp: 260182

Ion Ratio Lower Upper

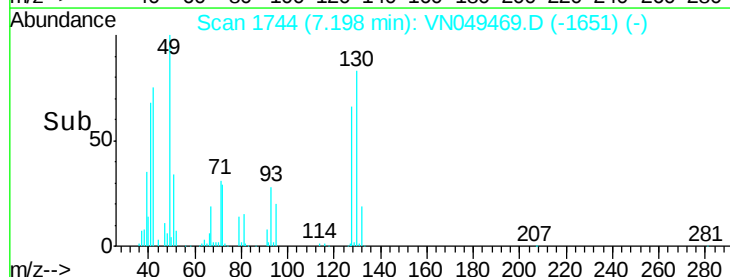
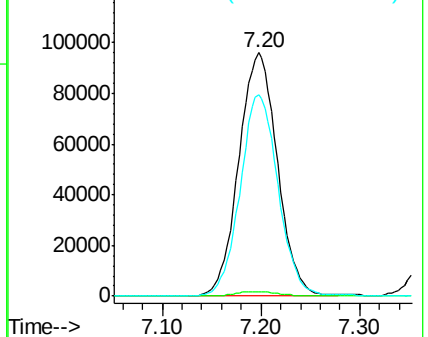
49 100

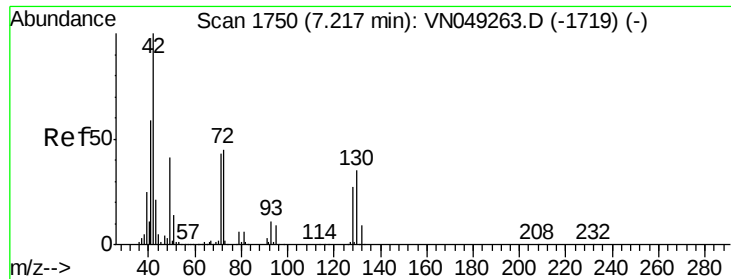
129 2.0 0.0 3.8

130 81.4 54.9 82.3



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: 101.32 ug/l

RT: 7.22 min Scan# 1750

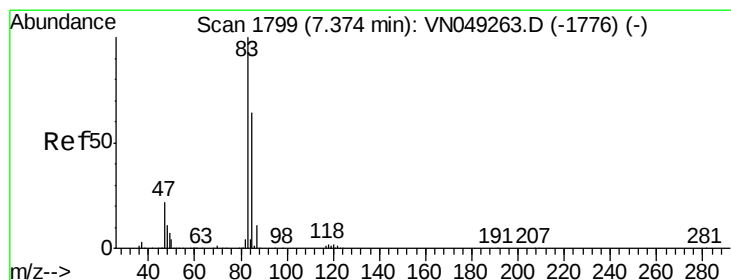
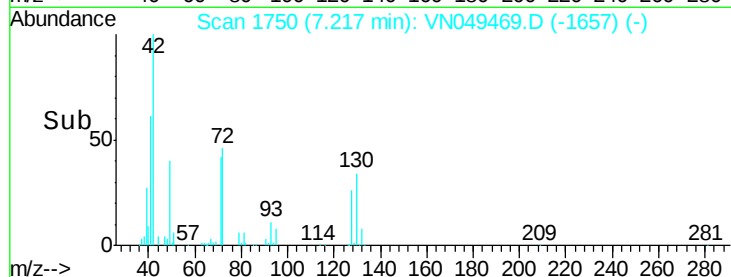
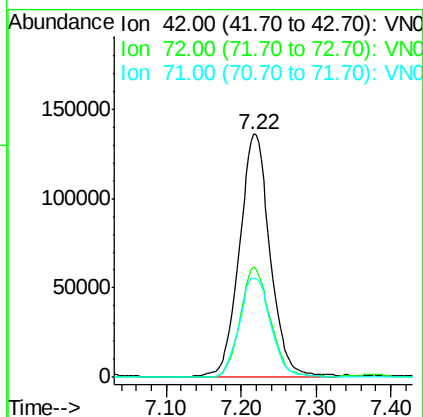
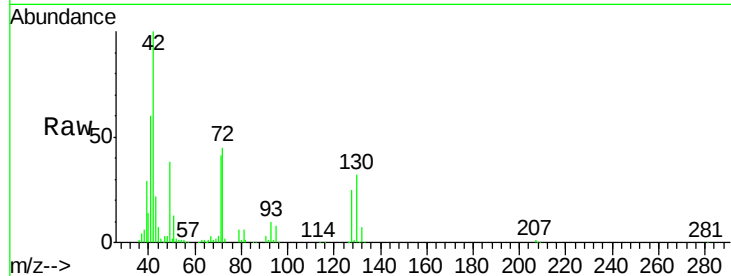
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	42	Resp:	384351
Ion	Ratio	Lower	Upper
42	100		
72	44.8	32.2	48.4
71	42.4	30.5	45.7



#30

Chloroform

Concen: 19.81 ug/l

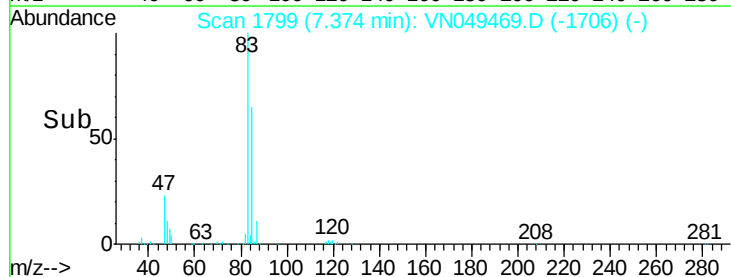
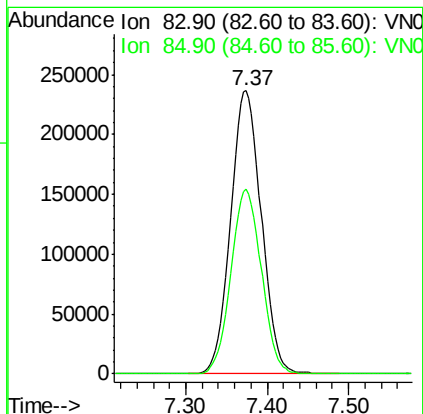
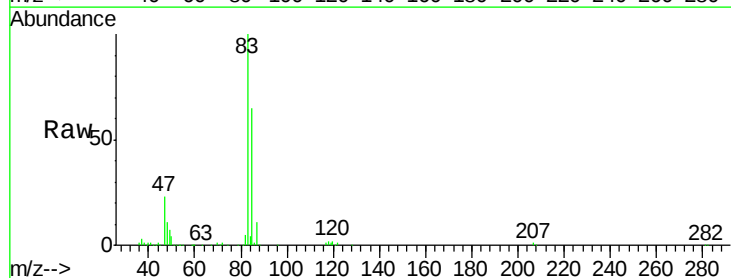
RT: 7.37 min Scan# 1799

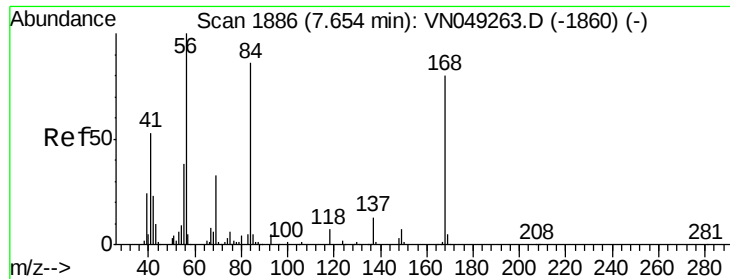
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	83	Resp:	621649
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.7	77.5

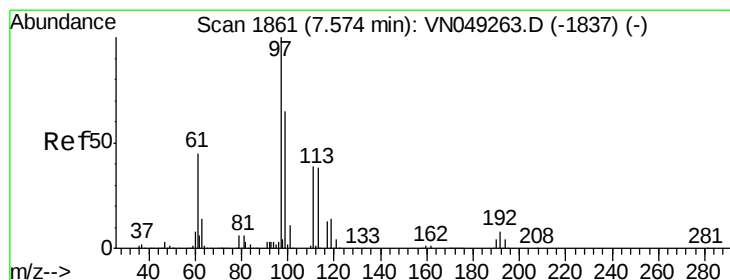
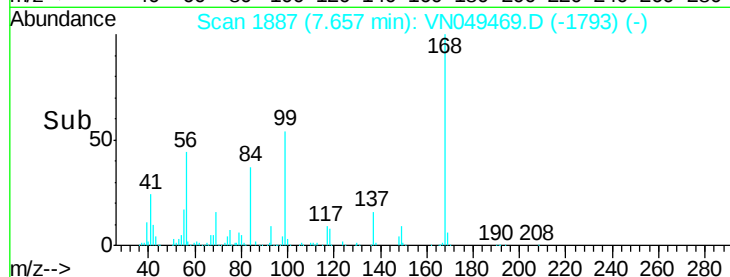
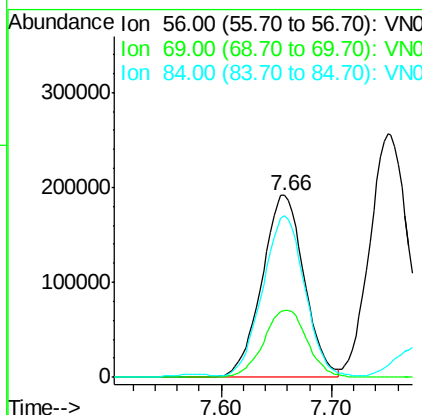
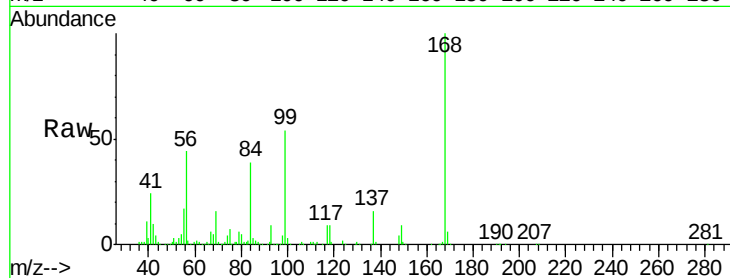




#31
Cyclohexane
Concen: 18.92 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

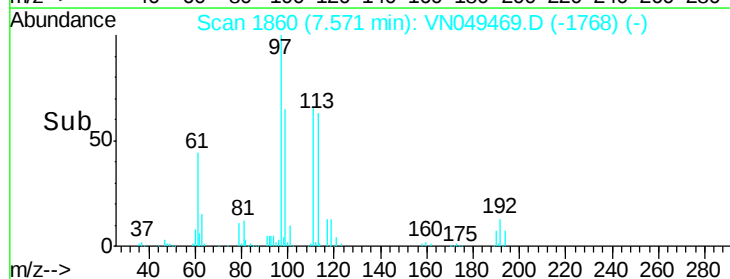
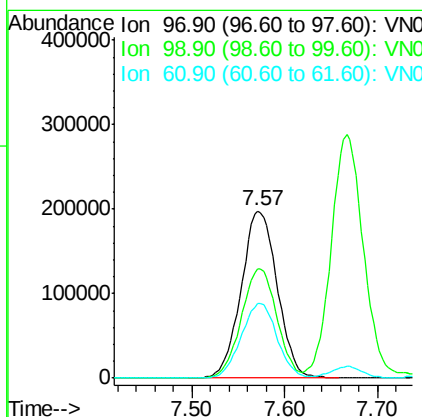
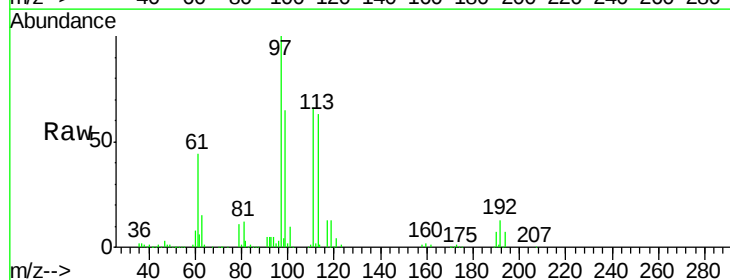
Instrument :
MSVOA_N
ClientSampled :

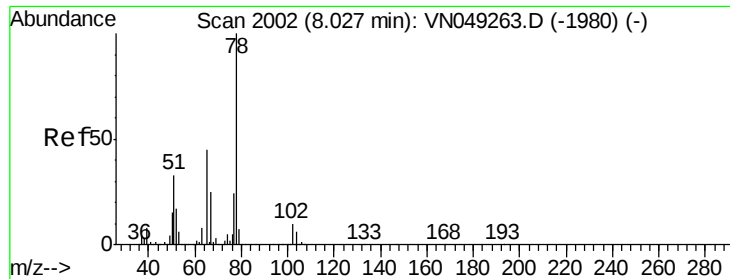
Tot Ion	56	Resp	508757
Ion Ratio	Lower	Upper	
56	100		
69	37.0	25.0	37.4
84	87.1	64.6	96.8



#32
1,1,1-Trichloroethane
Concen: 19.94 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	97	Resp	533860
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.5	75.7
61	44.6	37.9	56.9

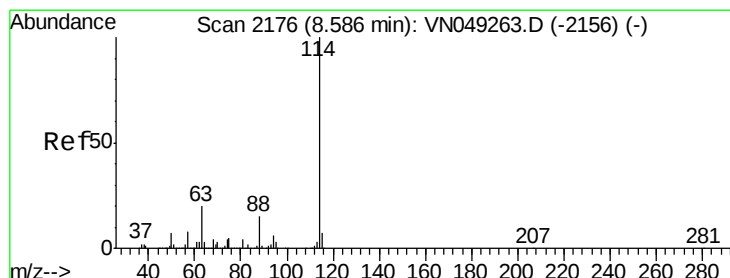
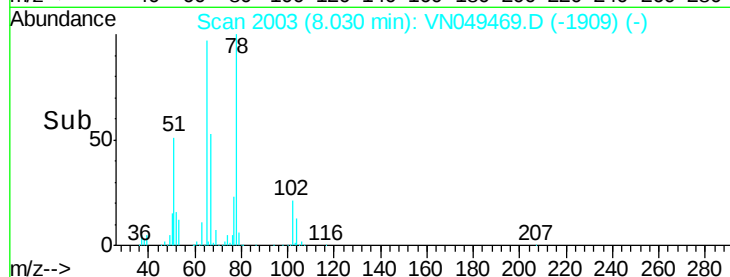
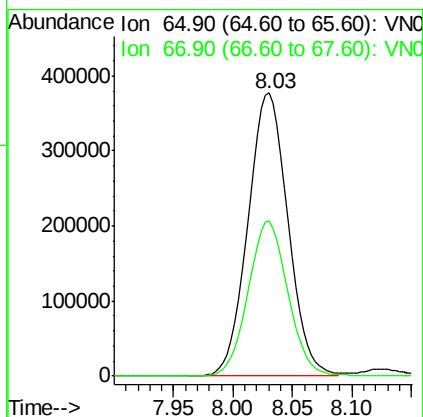
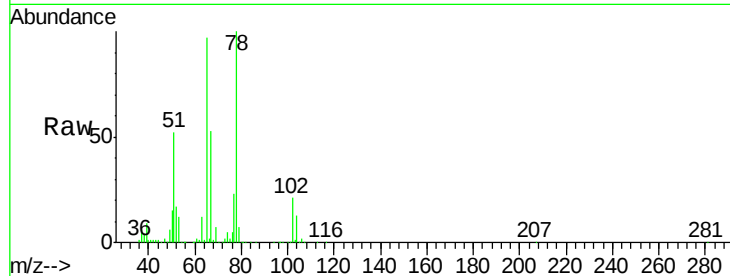




#33
 1,2-Dichloroethane-d4
 Concen: 48.64 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

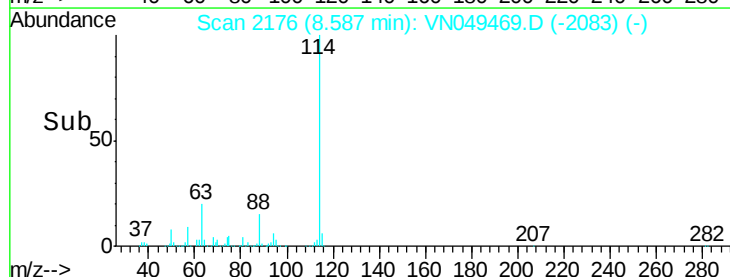
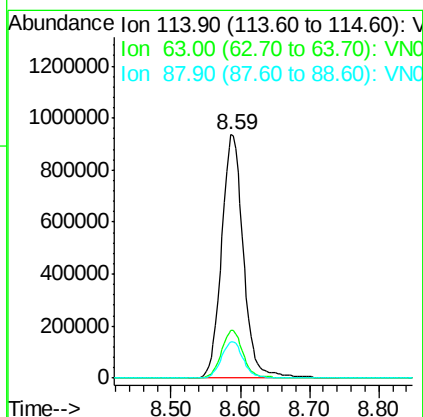
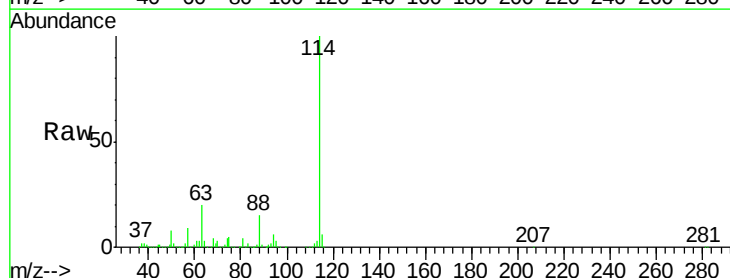
Instrument :
 MSVOA_N
 ClientSampleId :

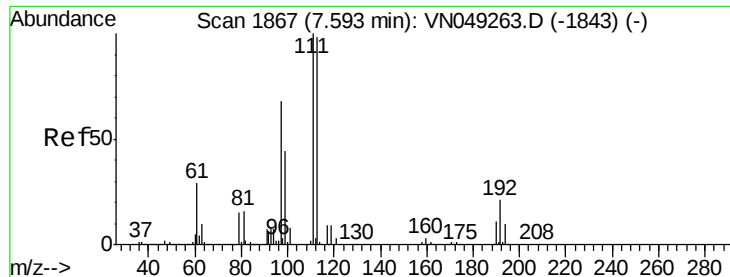
Tot Ion: 65 Resp: 879148
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion:114 Resp: 2049321
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.0 0.0 31.4

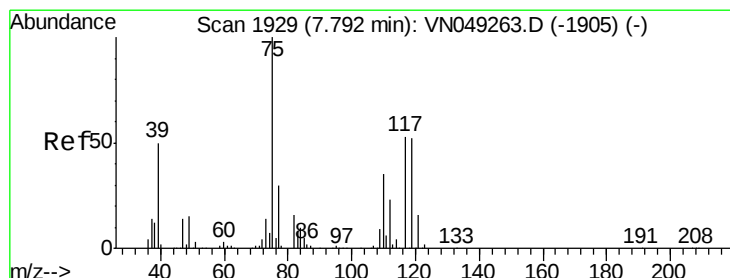
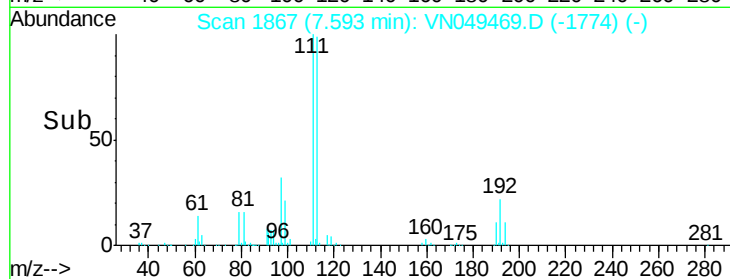
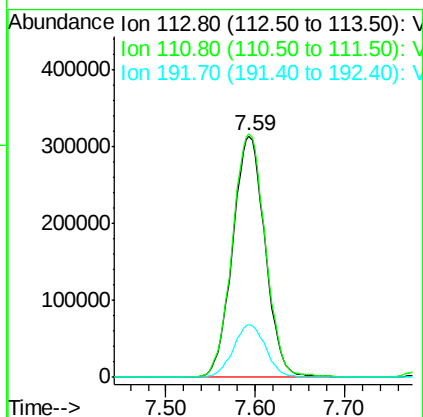
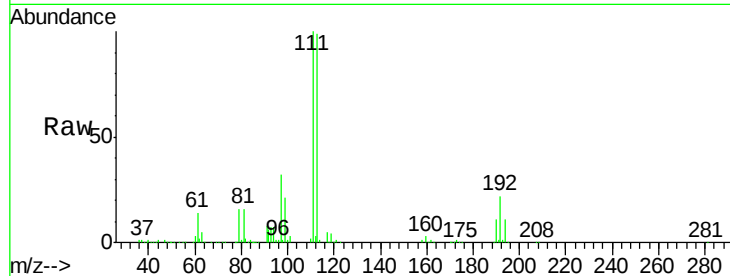




#35
Dibromofluoromethane
Concen: 47.66 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

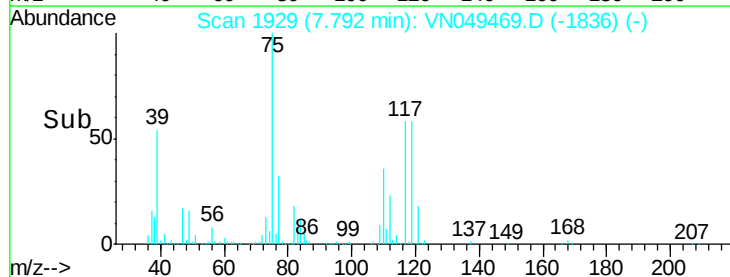
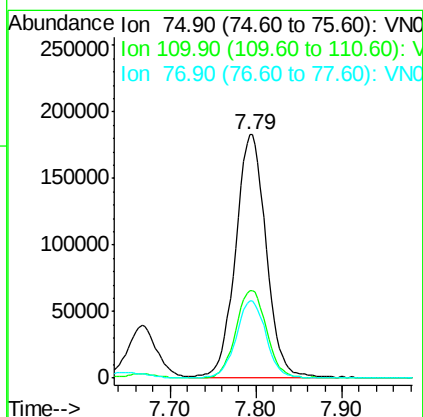
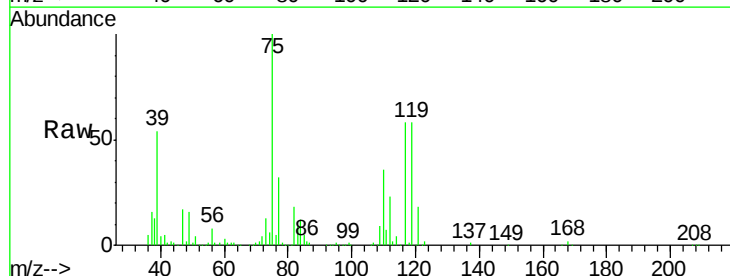
Instrument :
MSVOA_N
ClientSampleId :

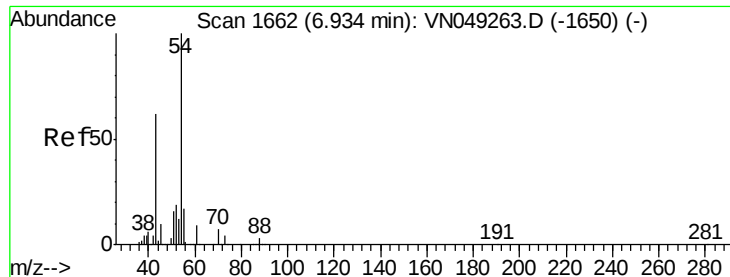
Tot Ion:113 Resp: 790123
Ion Ratio Lower Upper
113 100
111 102.8 82.4 123.6
192 21.8 15.0 22.6



#36
1,1-Dichloropropene
Concen: 19.12 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 75 Resp: 448965
Ion Ratio Lower Upper
75 100
110 36.4 17.0 50.9
77 30.6 24.4 36.6

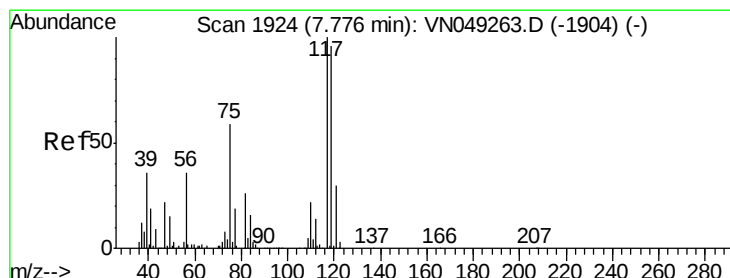
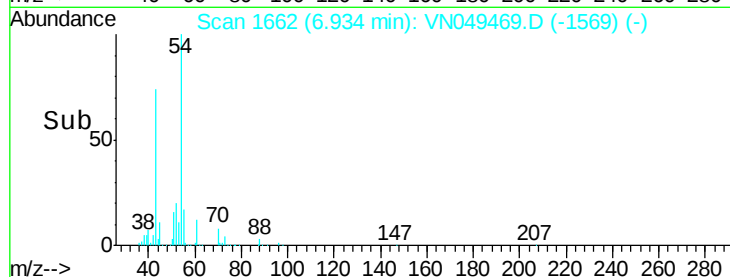
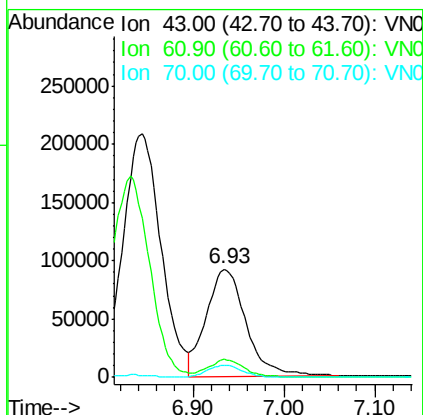
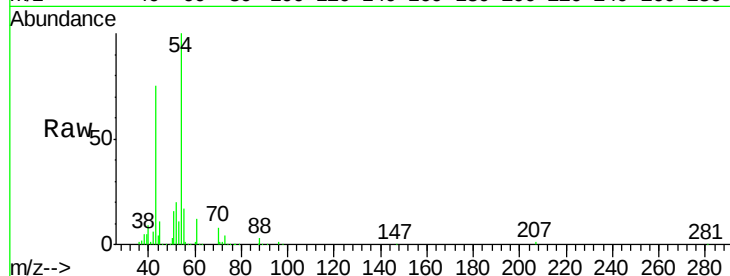




#37
Ethyl Acetate
Concen: 21.77 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

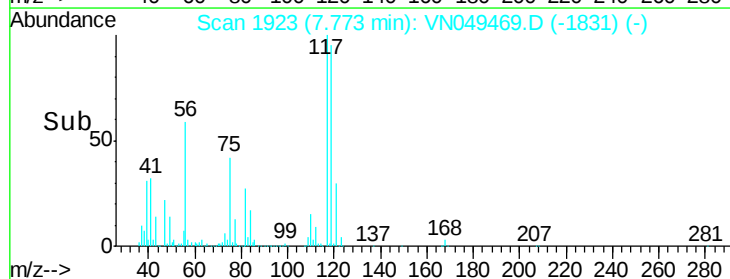
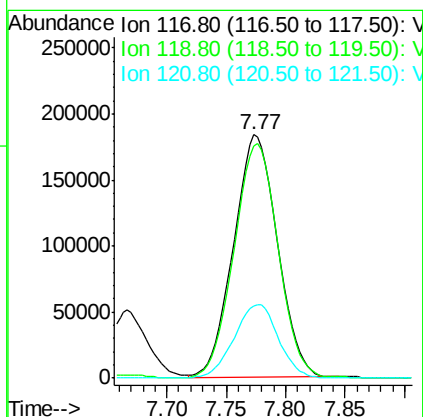
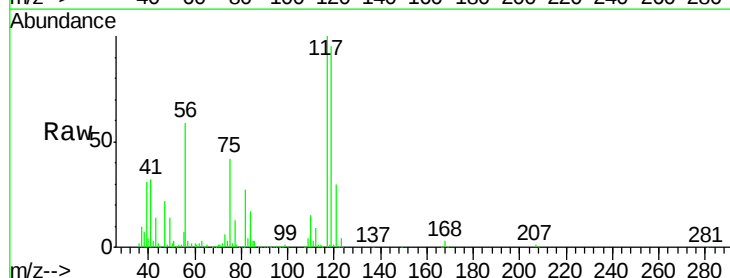
Instrument :
MSVOA_N
ClientSampled :

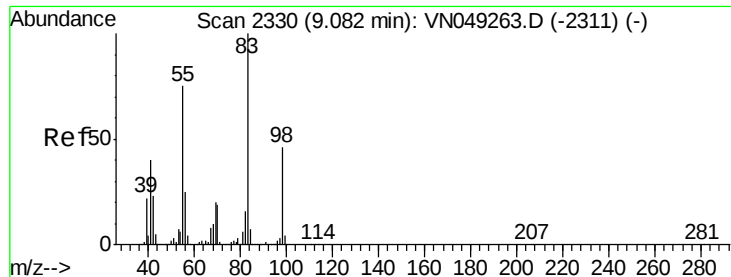
Tot Ion: 43 Resp: 278017
Ion Ratio Lower Upper
43 100
61 14.5 11.0 16.4
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.26 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 117 Resp: 468343
Ion Ratio Lower Upper
117 100
119 95.1 75.6 113.4
121 29.7 24.7 37.1

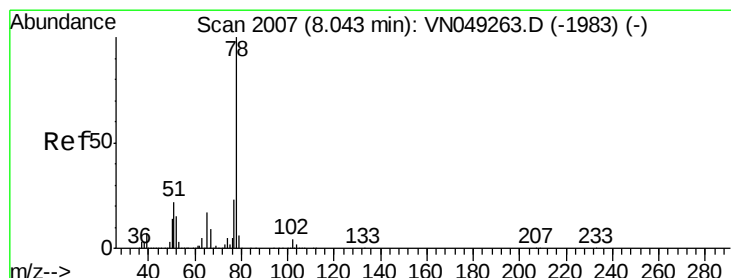
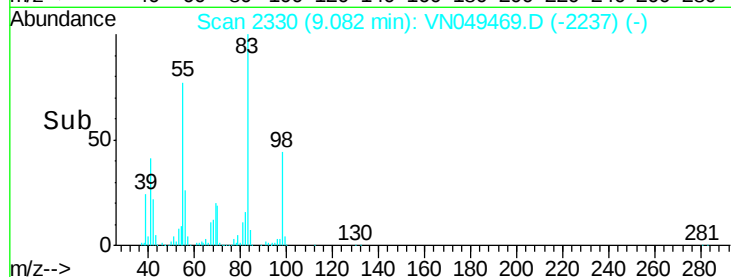
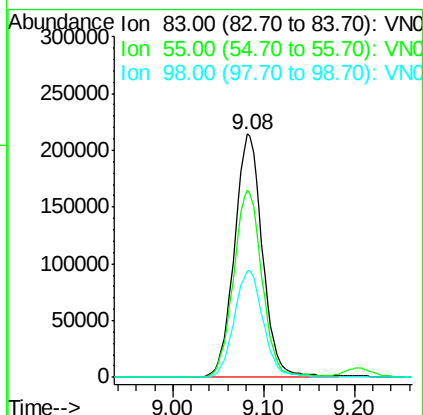
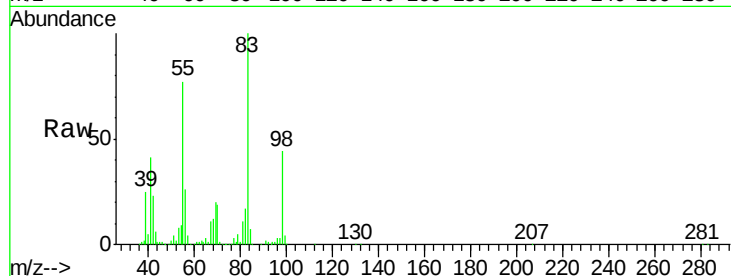




#39
Methvlcvclohexane
Concen: 18.23 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

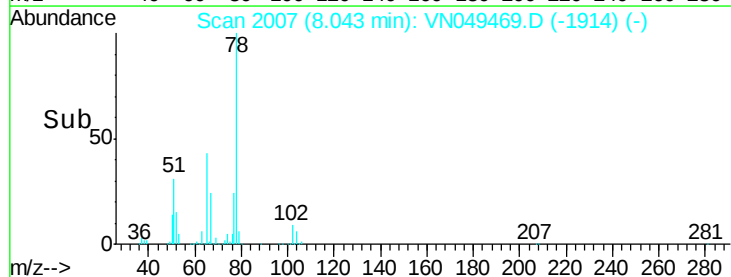
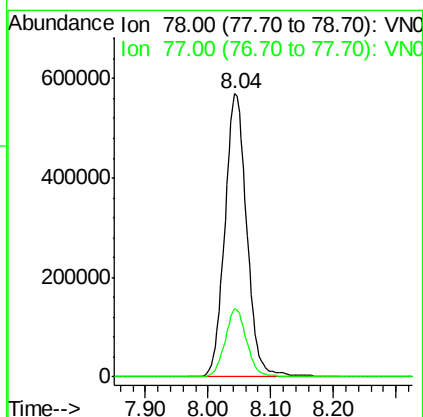
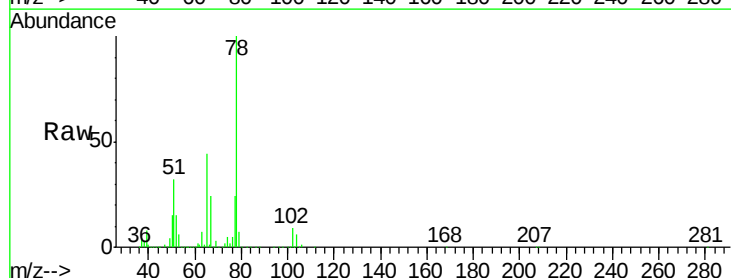
Instrument :
MSVOA_N
ClientSampled :

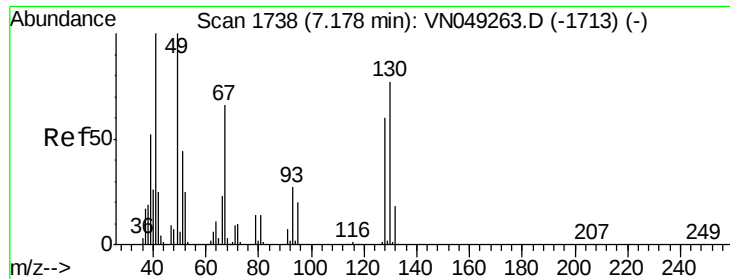
Tot Ion: 83 Resp: 459631
Ion Ratio Lower Upper
83 100
55 77.0 65.1 97.7
98 43.6 36.5 54.7



#40
Benzene
Concen: 19.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 78 Resp: 1382399
Ion Ratio Lower Upper
78 100
77 24.2 19.4 29.0

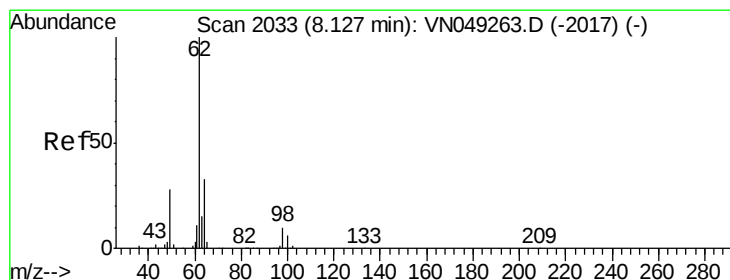
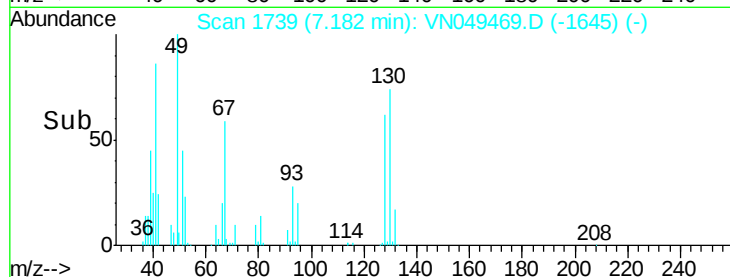
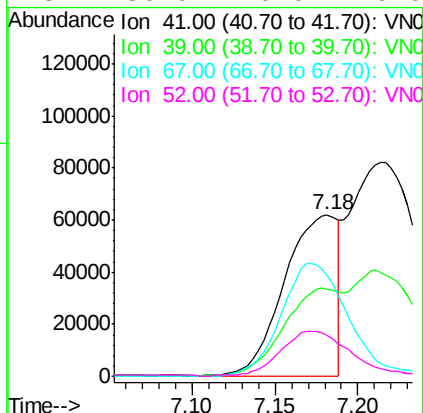
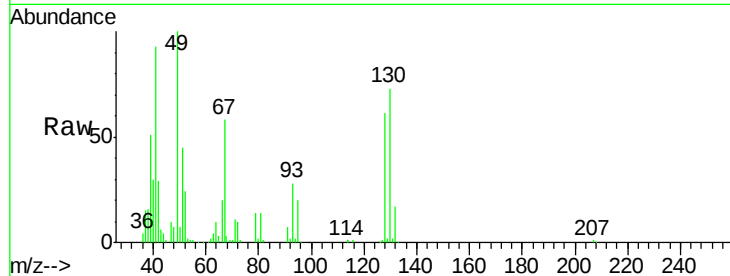




#41
Methacrylonitrile
Concen: 19.99 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

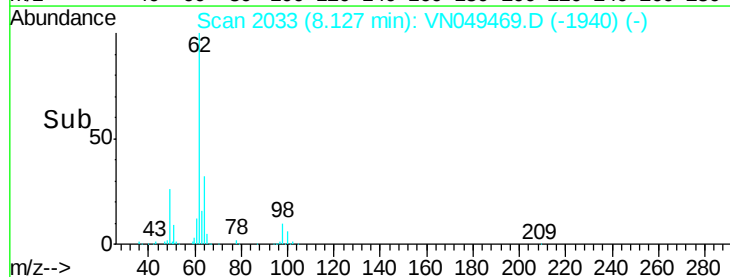
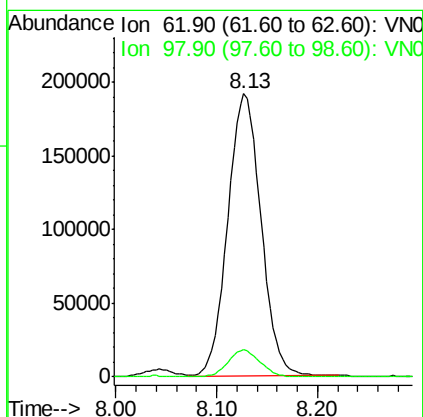
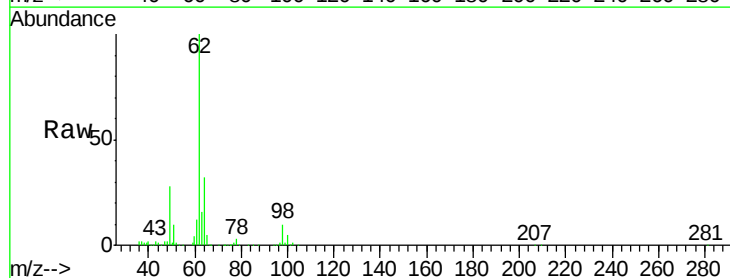
Instrument :
MSVOA_N
ClientSampled :

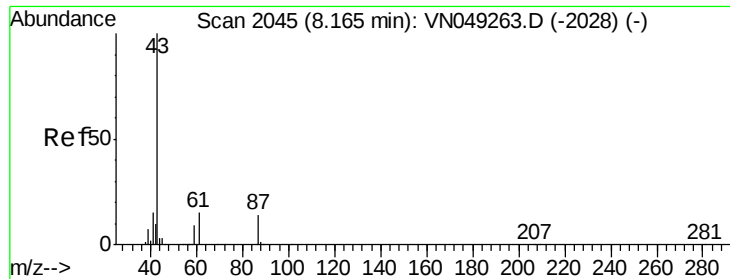
Tot Ion: 41 Resp: 138010
Ion Ratio Lower Upper
41 100
39 59.6 0.0 0.0#
67 88.7 0.0 0.0#
52 36.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.79 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 62 Resp: 440310
Ion Ratio Lower Upper
62 100
98 9.3 0.0 16.2





#43

Isopropyl Acetate

Concen: 23.15 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

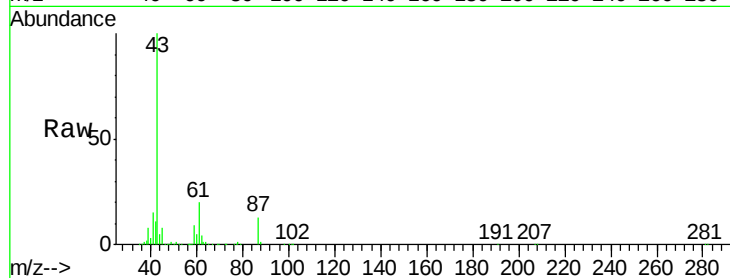
Tot Ion: 43 Resp: 564666

Ion Ratio Lower Upper

43 100

61 15.5 14.2 21.4

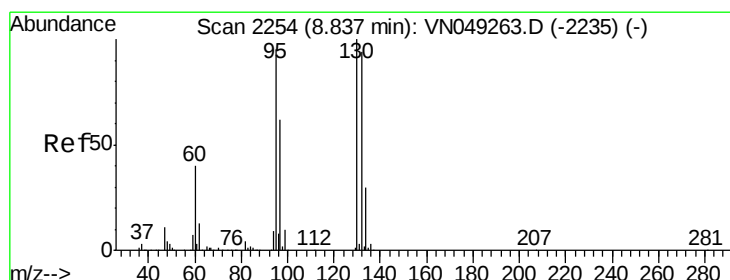
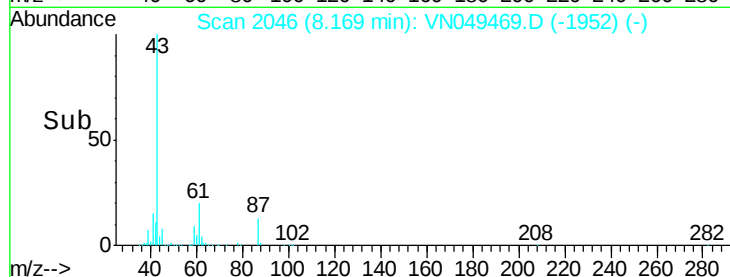
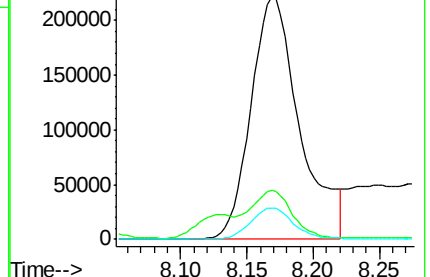
87 11.3 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)



#44

Trichloroethene

Concen: 19.48 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049469.D

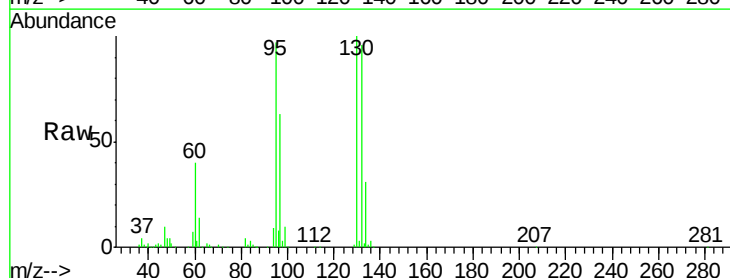
Acq: 21 Jun 2018 15:26

Tgt Ion:130 Resp: 370495

Ion Ratio Lower Upper

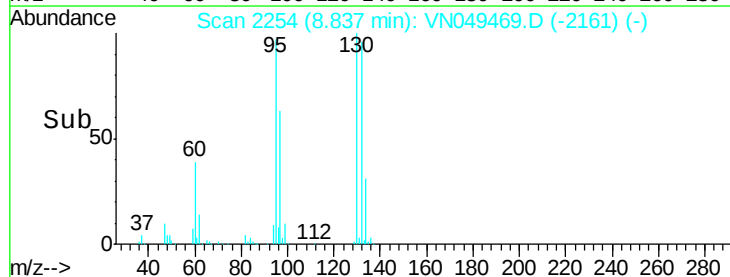
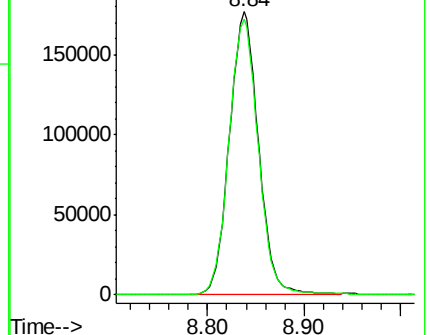
130 100

95 97.4 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

Ion 94.90 (94.60 to 95.60): VN049263.D (-2235) (-)

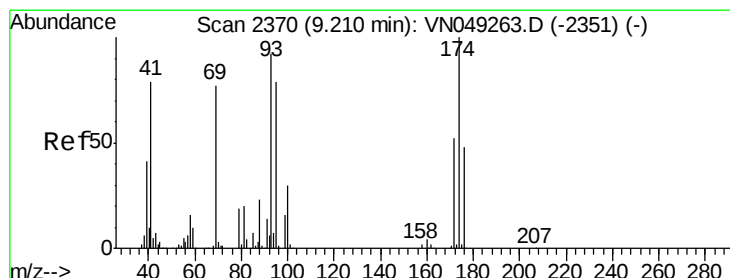
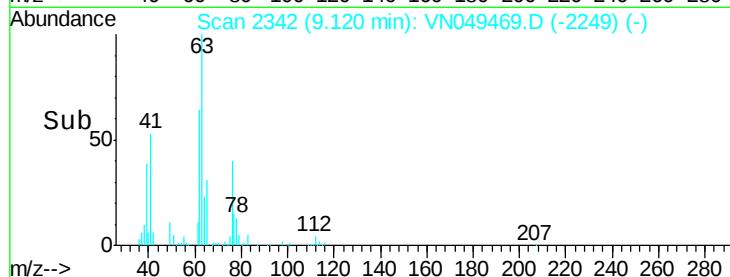
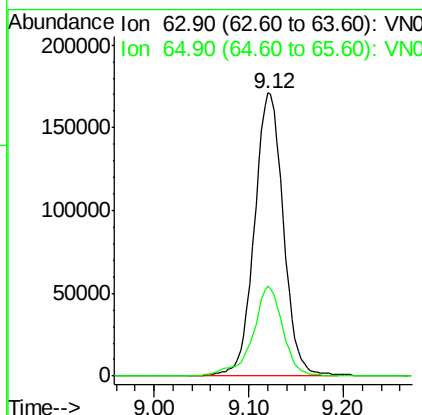
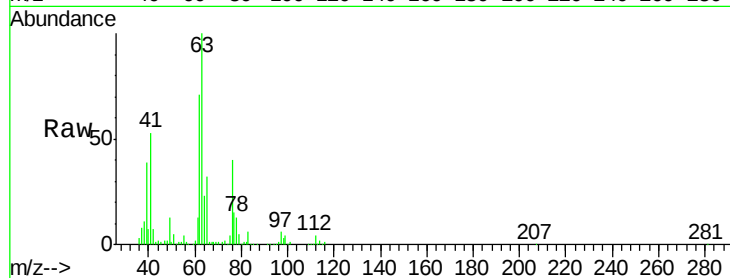




#45
 1,2-Dichloropropane
 Concen: 19.31 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

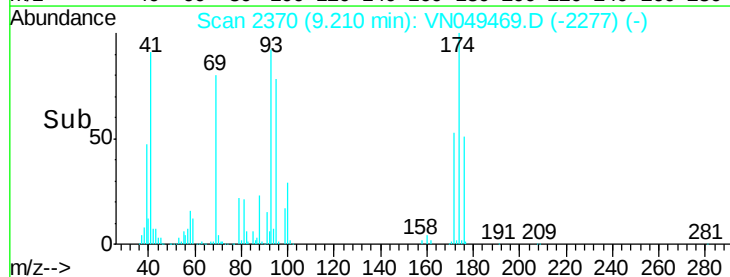
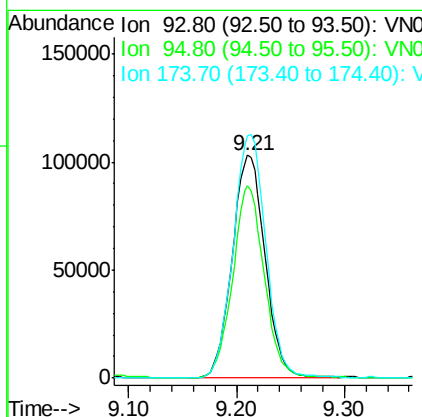
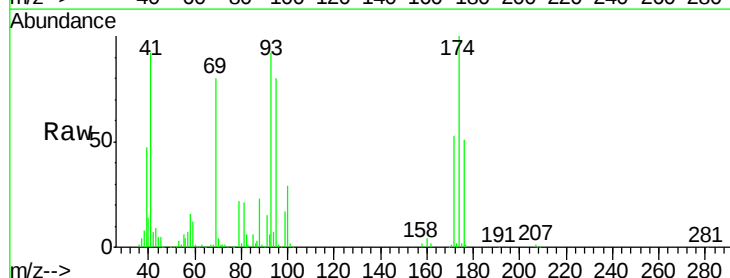
Instrument :
 MSVOA_N
 ClientSampleId :

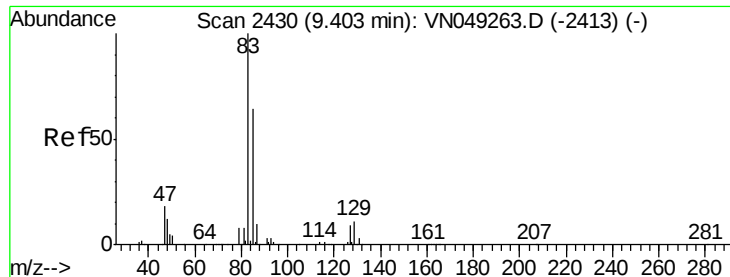
Tot Ion: 63 Resp: 364106
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 20.11 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion: 93 Resp: 219814
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.2 100.8
 174 108.7 75.6 113.4





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampled :

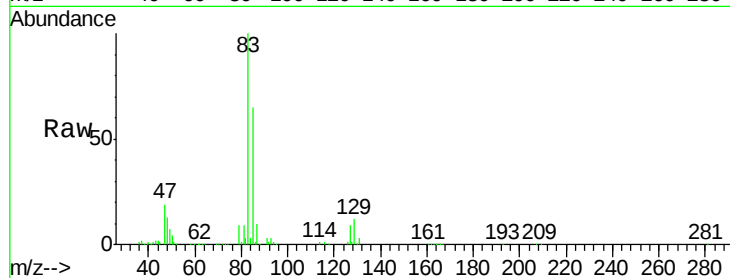
Tot Ion: 83 Resp: 474471

Ion Ratio Lower Upper

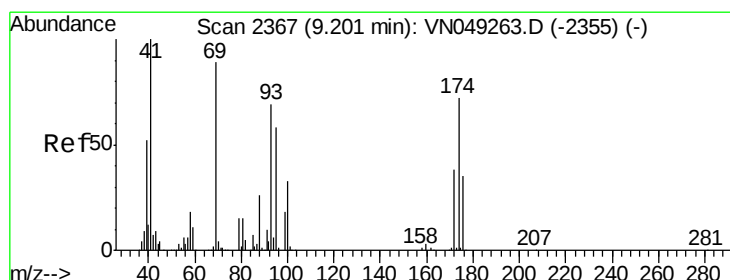
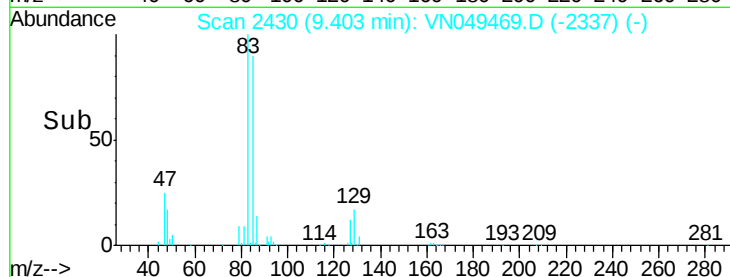
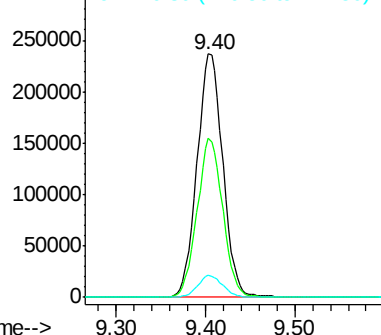
83 100

85 65.1 49.4 74.0

127 9.1 6.3 9.5



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): V



#48

Methyl methacrylate

Concen: 20.77 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

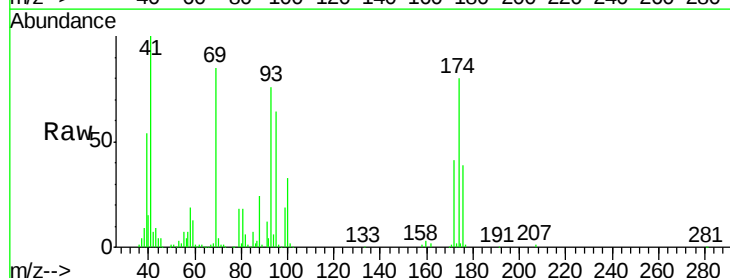
Tgt Ion: 41 Resp: 238621

Ion Ratio Lower Upper

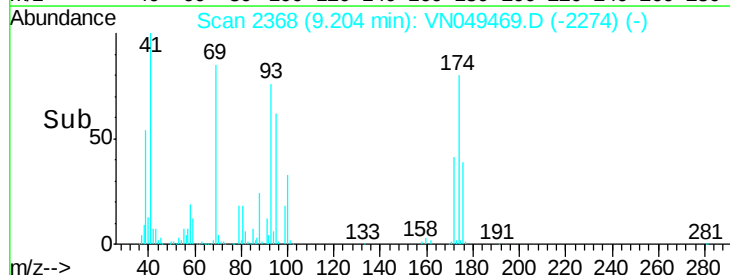
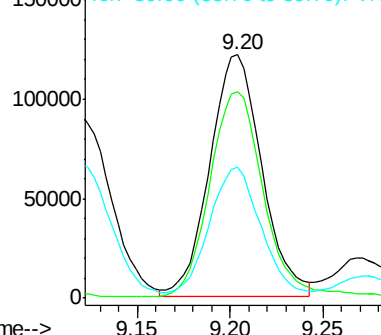
41 100

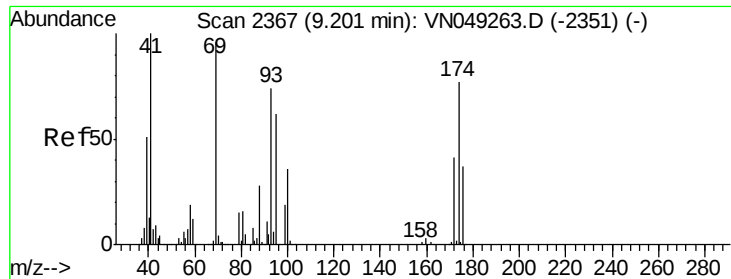
69 89.1 62.0 93.0

39 53.6 50.6 75.8



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

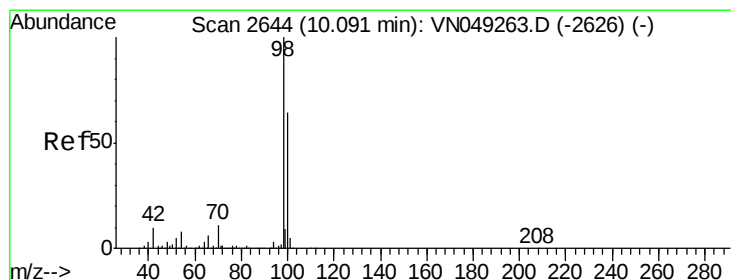
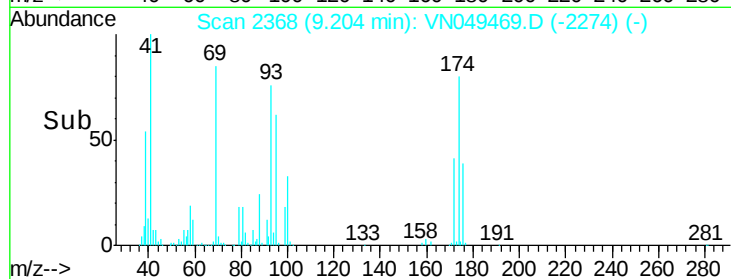
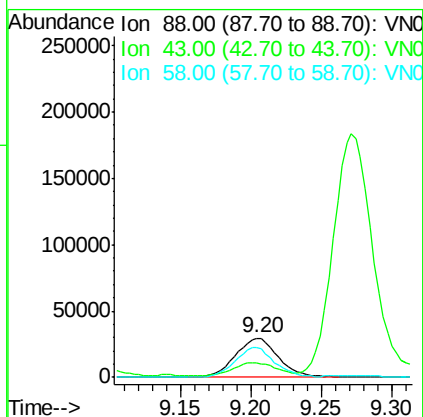
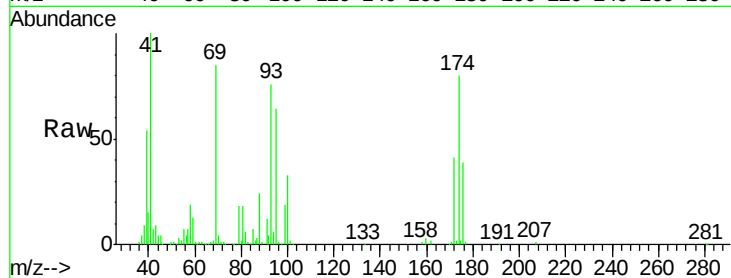




#49
1,4-Dioxane
Concen: 394.75 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

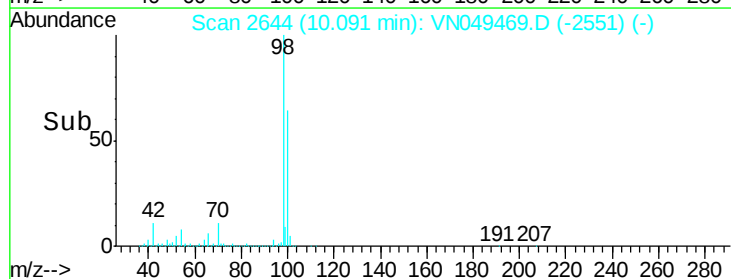
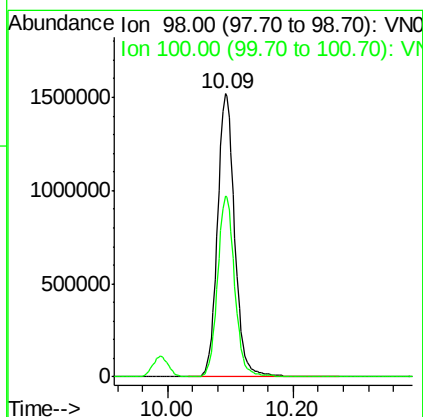
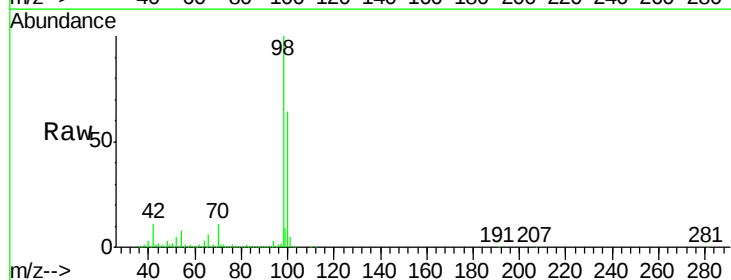
Instrument :
MSVOA_N
ClientSampleId :

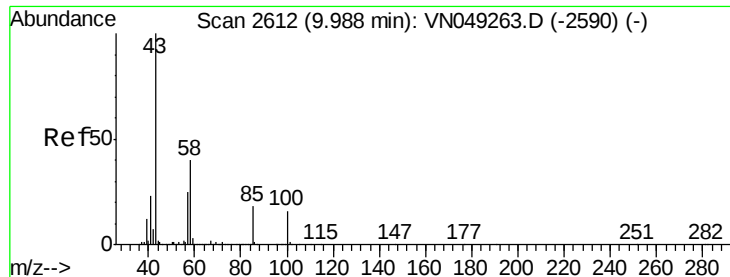
Tot Ion: 88 Resp: 62592
Ion Ratio Lower Upper
88 100
43 30.5 30.9 46.3#
58 71.1 58.9 88.3



#50
Toluene-d8
Concen: 45.73 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 98 Resp: 2887268
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 105.20 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

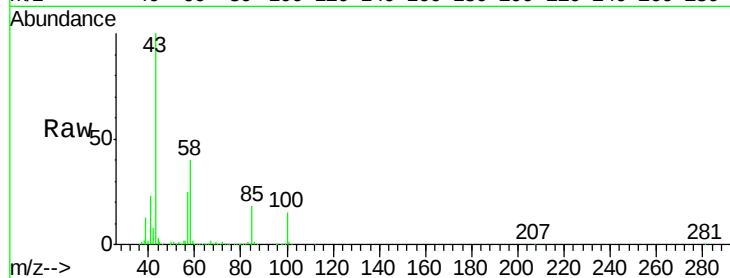
ClientSampled :

Tot Ion: 43 Resp: 1345162

Ion Ratio Lower Upper

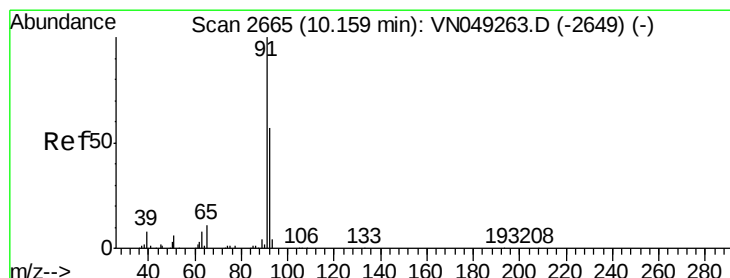
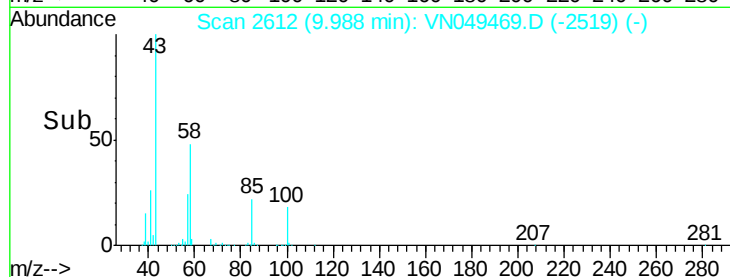
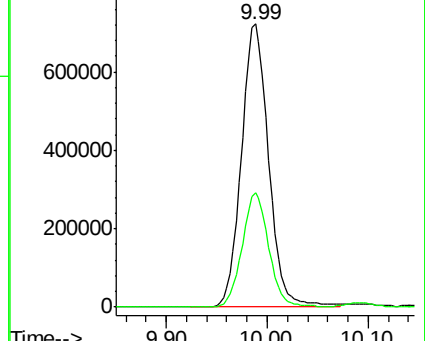
43 100

58 39.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)



#52

Toluene

Concen: 19.94 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049469.D

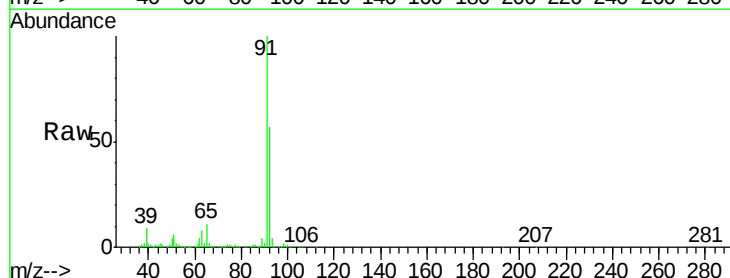
Acq: 21 Jun 2018 15:26

Tgt Ion: 92 Resp: 842909

Ion Ratio Lower Upper

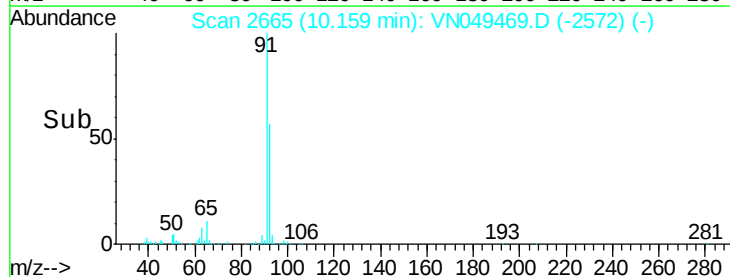
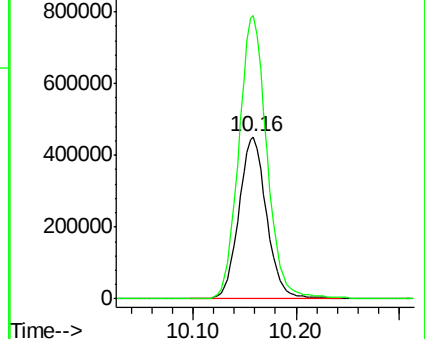
92 100

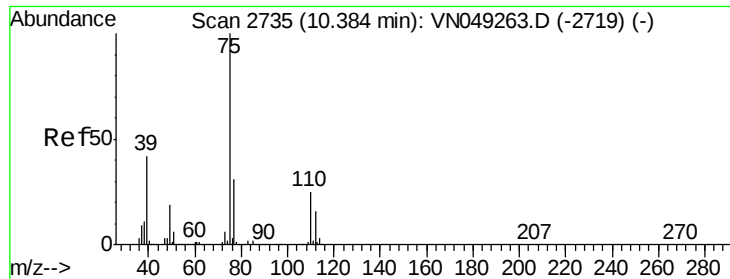
91 177.6 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)





#53

t-1,3-Dichloropropene

Concen: 19.04 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

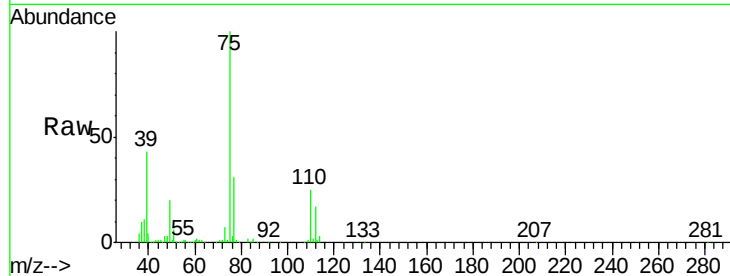
ClientSampled :

Tot Ion: 75 Resp: 437525

Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

150000

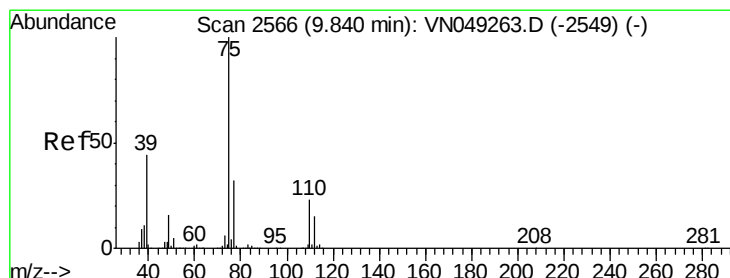
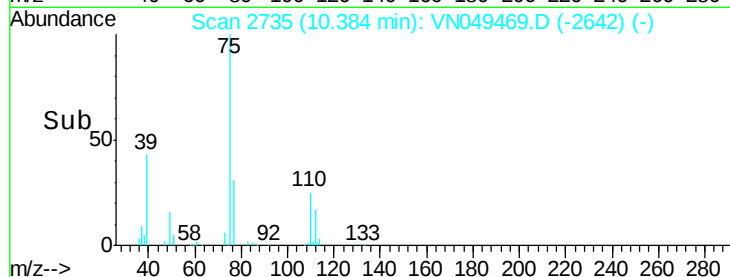
100000

50000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 19.00 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

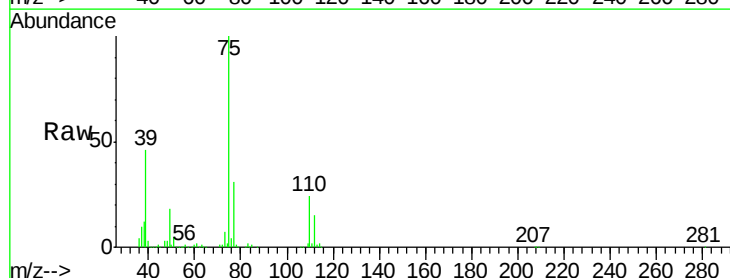
Tgt Ion: 75 Resp: 515621

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 46.3 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

300000

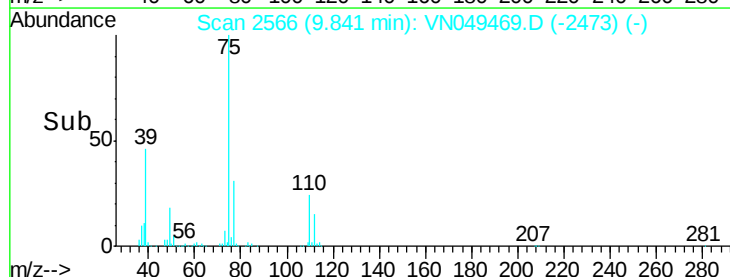
200000

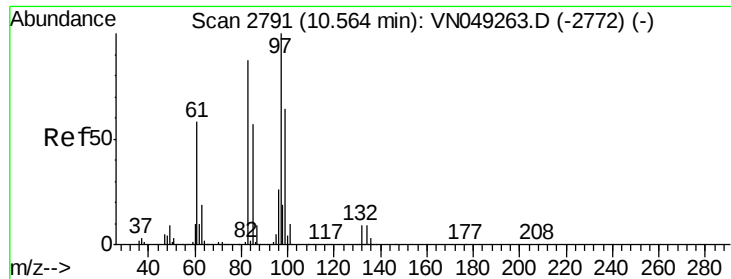
100000

0

Time-->

9.75 9.80 9.85 9.90 9.95

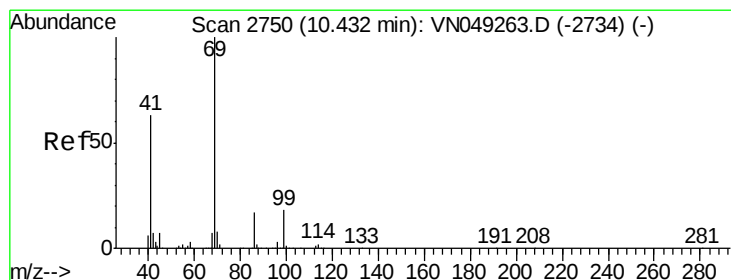
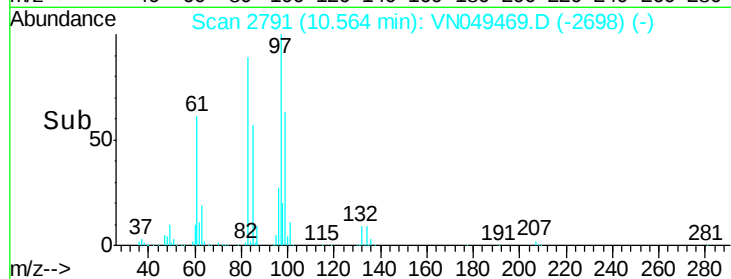
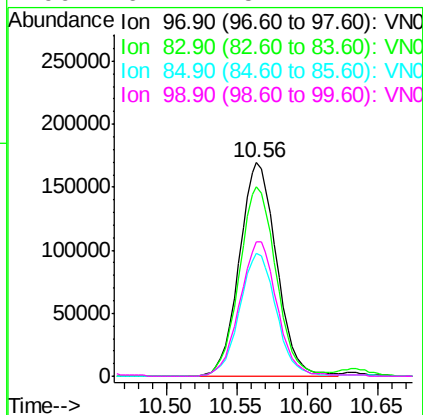
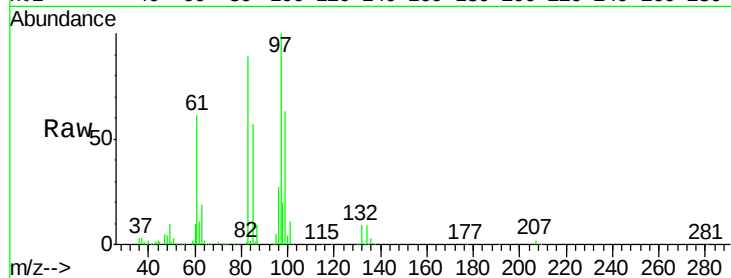




#55
 1,1,2-Trichloroethane
 Concen: 19.88 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

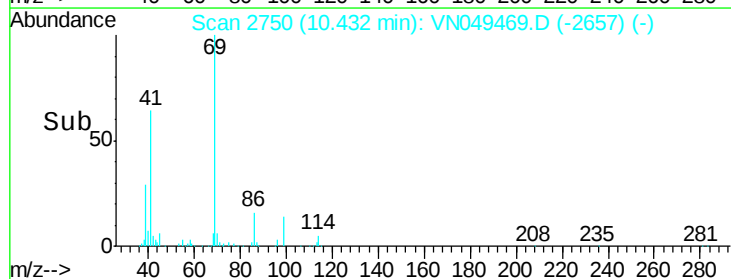
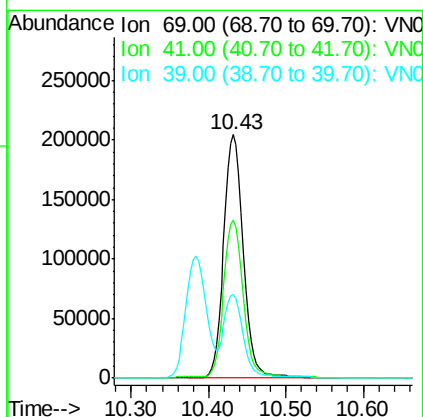
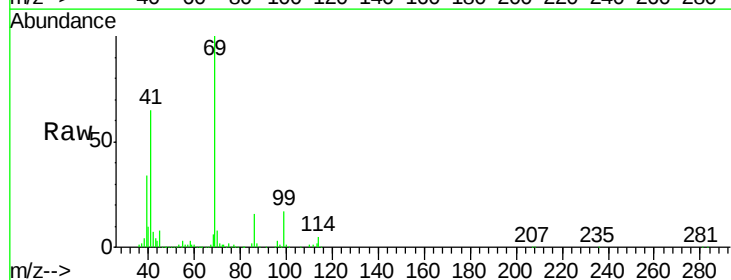
Instrument :
 MSVOA_N
 ClientSampleId :

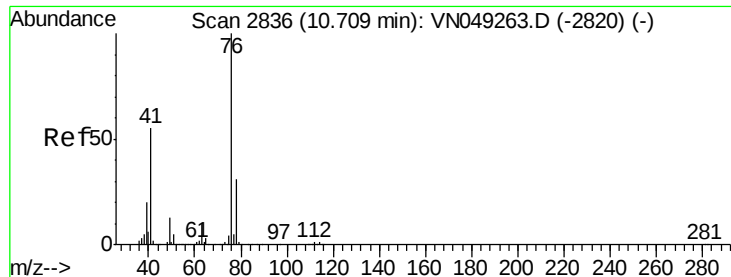
Tot Ion:	97	Resp:	313287
Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.5	107.3
85	57.3	47.0	70.4
99	62.4	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 19.90 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion:	69	Resp:	361774
Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	33.6	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 19.75 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

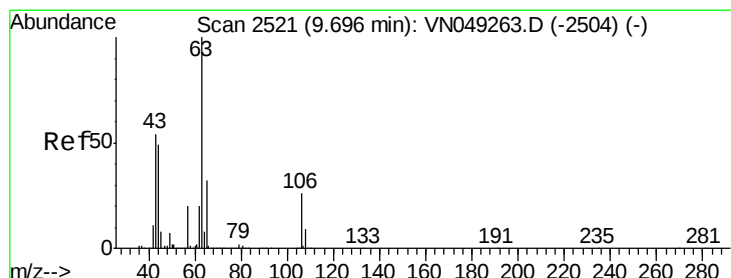
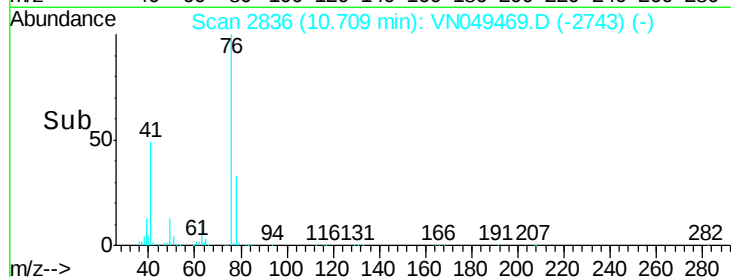
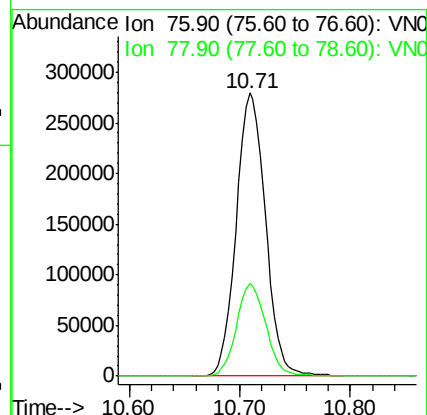
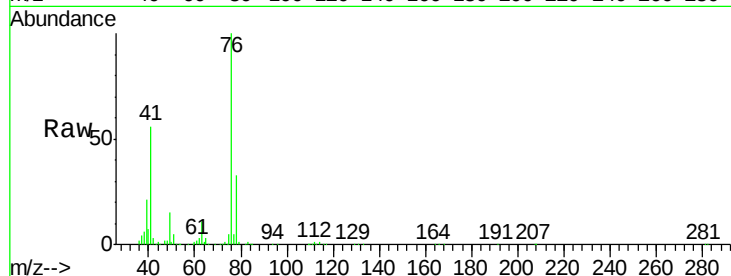
ClientSampled :

Tot Ion: 76 Resp: 51532

Ion Ratio Lower Upper

76 100

78 33.0 26.3 39.5



#58

2-Chloroethyl Vinyl ether

Concen: 79.27 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049469.D

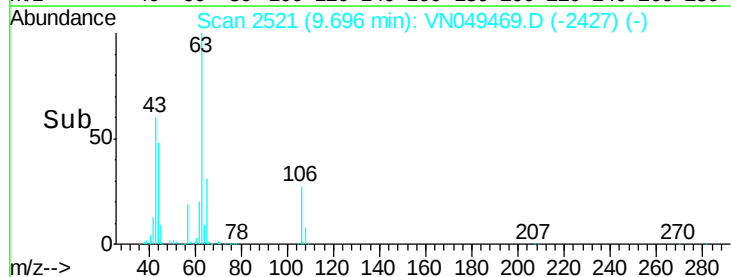
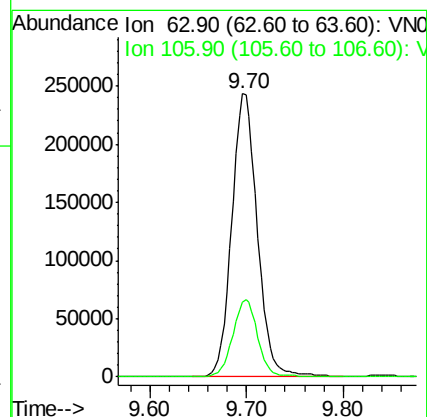
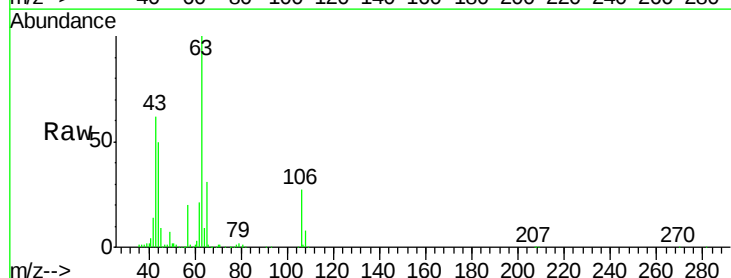
Acq: 21 Jun 2018 15:26

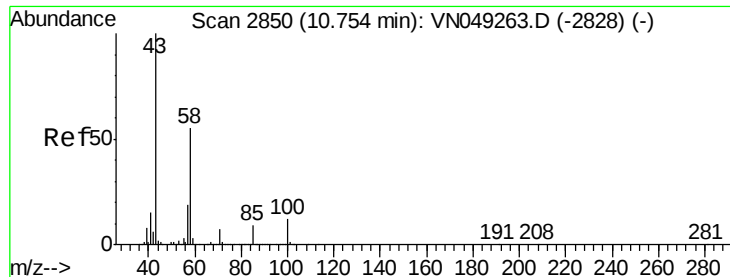
Tgt Ion: 63 Resp: 447654

Ion Ratio Lower Upper

63 100

106 26.3 19.4 29.2

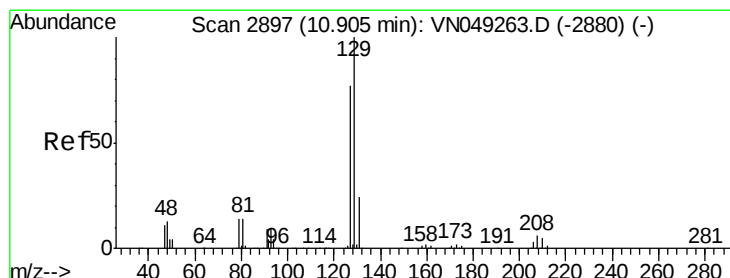
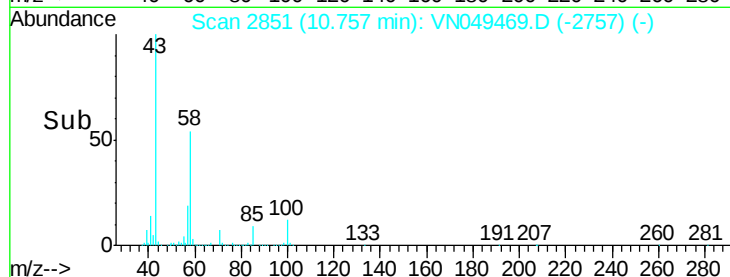
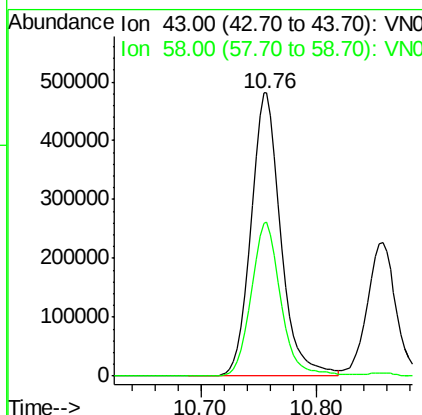
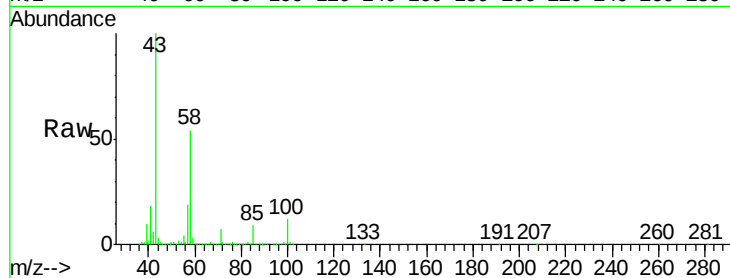




#59
2-Hexanone
Concen: 104.44 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

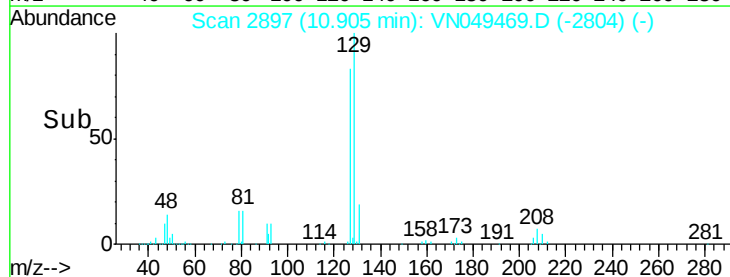
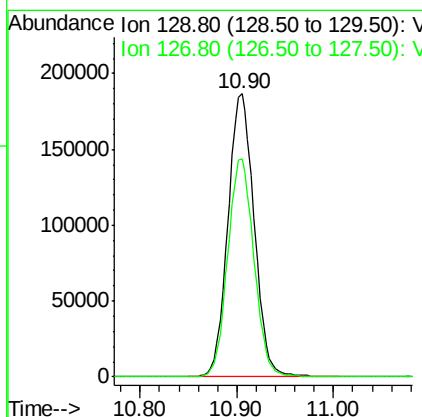
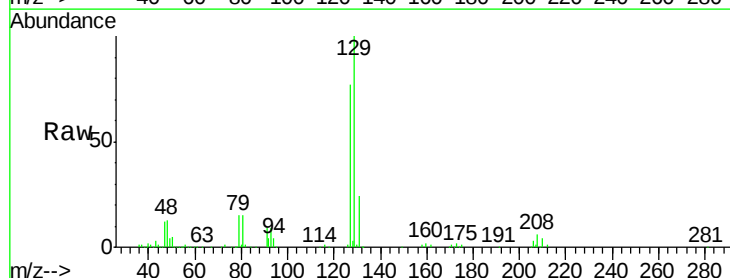
Instrument :
MSVOA_N
ClientSampled :

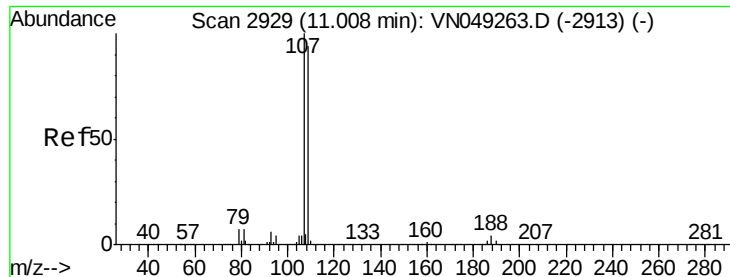
Tot Ion: 43 Resp: 860971
Ion Ratio Lower Upper
43 100
58 54.4 25.2 75.6



#60
Dibromochloromethane
Concen: 20.02 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 129 Resp: 351989
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.30 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

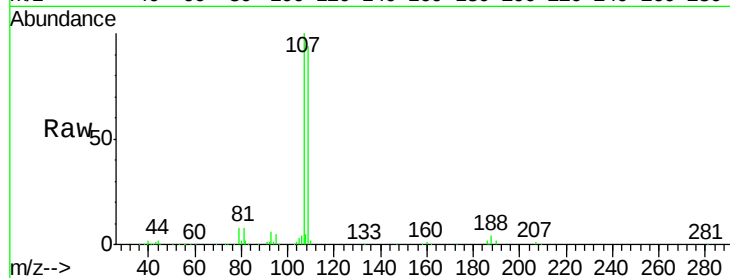
ClientSampleId :

Tot Ion: 107 Resp: 297281

Ion Ratio Lower Upper

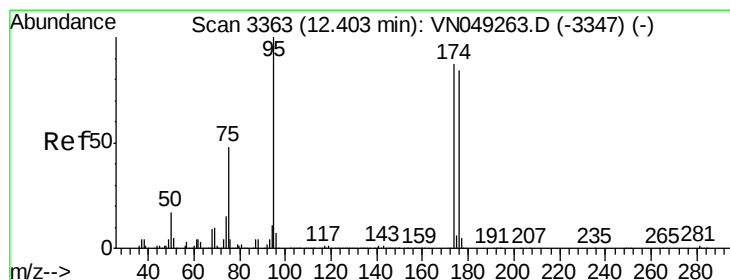
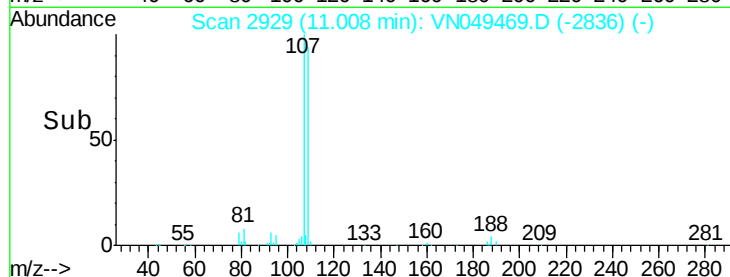
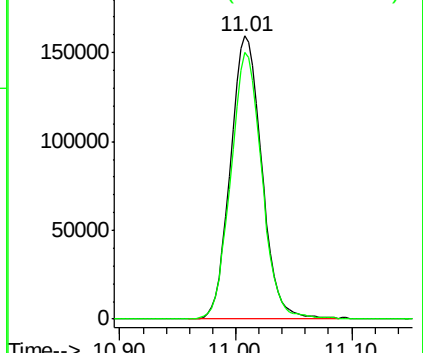
107 100

109 93.7 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: 45.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

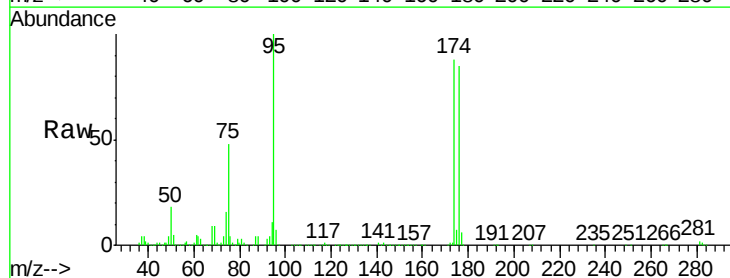
Tgt Ion: 95 Resp: 953081

Ion Ratio Lower Upper

95 100

174 88.9 0.0 165.6

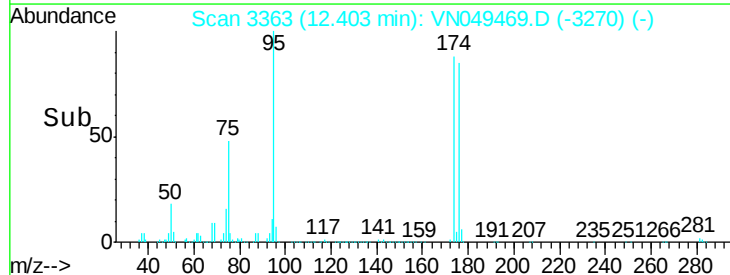
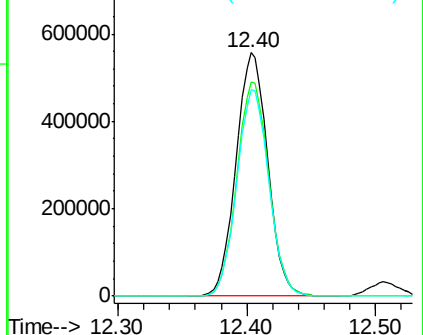
176 85.5 0.0 157.4

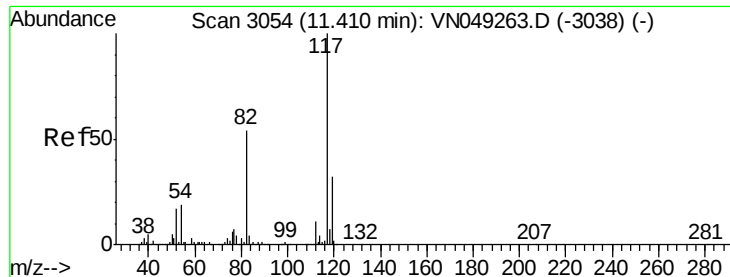


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

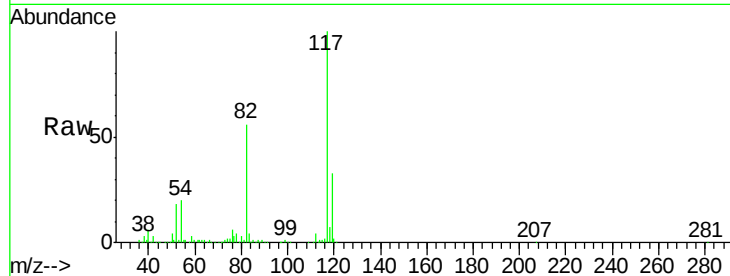




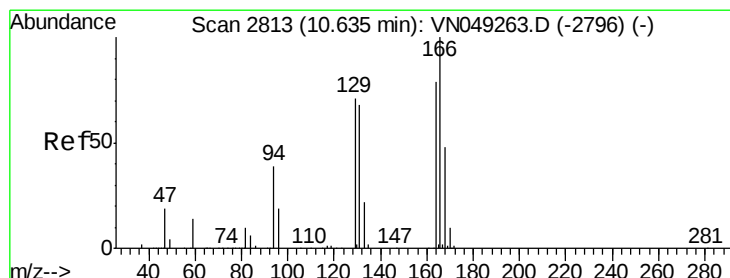
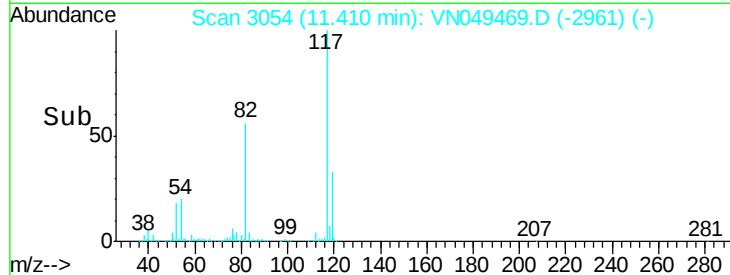
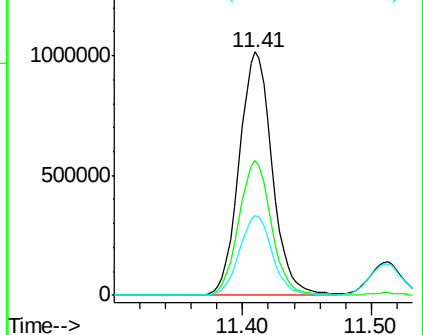
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1808026
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 32.9 25.5 38.3

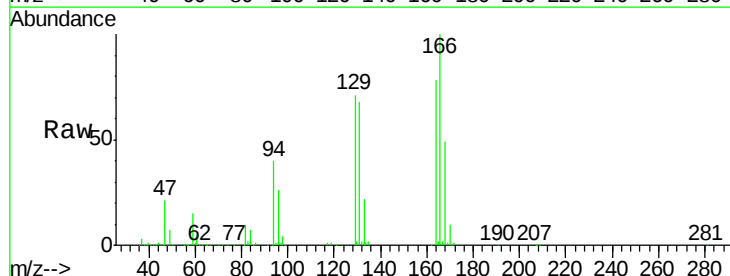


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

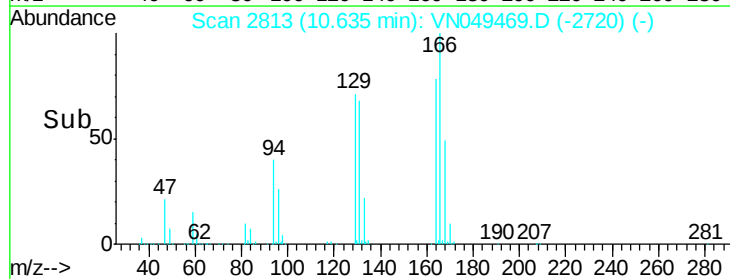
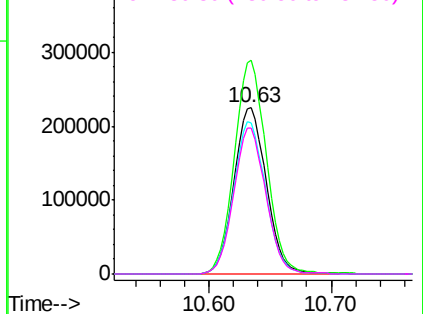


#64
Tetrachloroethene
Concen: 22.35 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion:164 Resp: 414009
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.2
129 90.9 74.1 111.1
131 87.9 73.7 110.5



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: 19.51 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

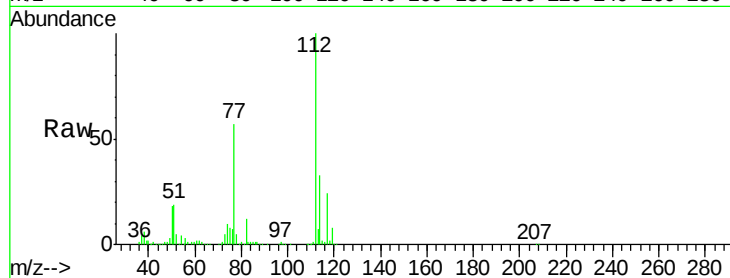
ClientSampleId :

Tot Ion:112 Resp: 908738

Ion Ratio Lower Upper

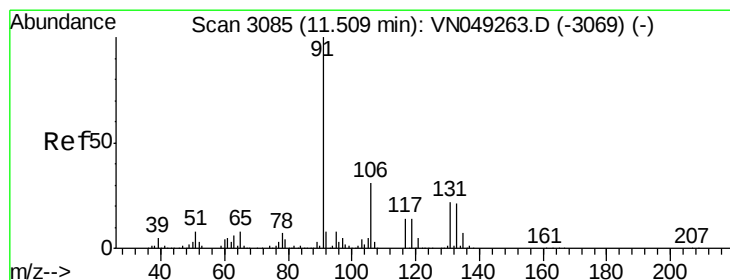
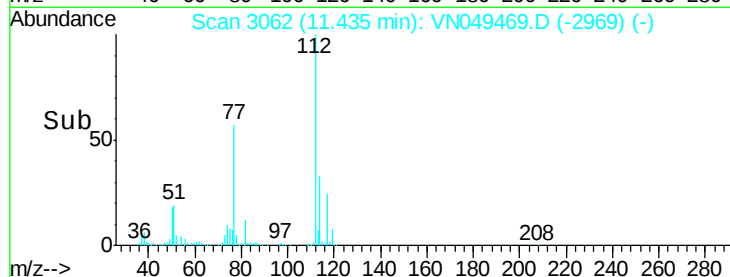
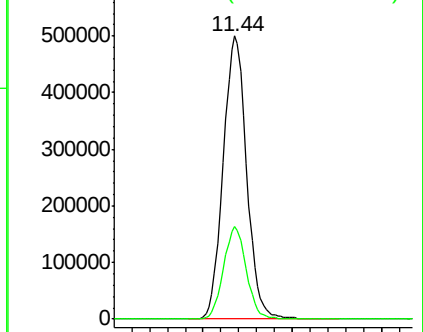
112 100

114 32.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.01 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

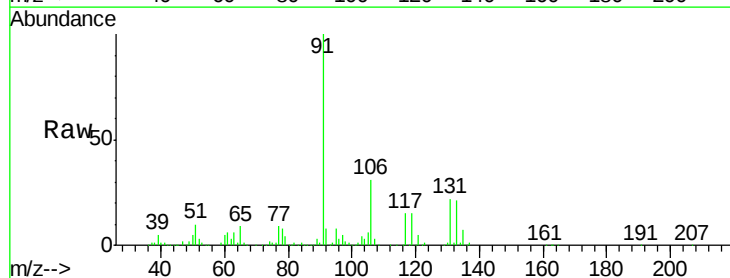
Tgt Ion:131 Resp: 350752

Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

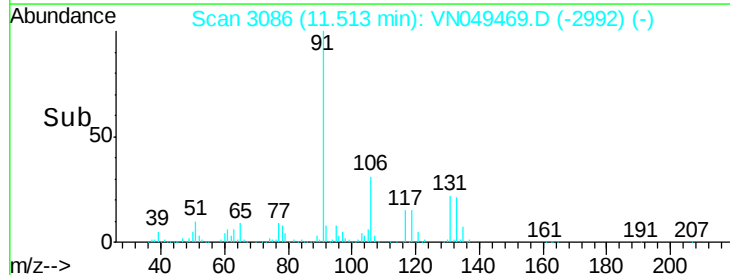
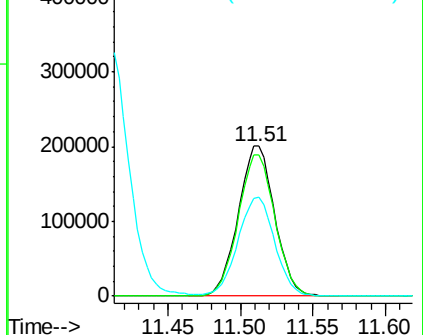
119 66.9 33.6 100.8

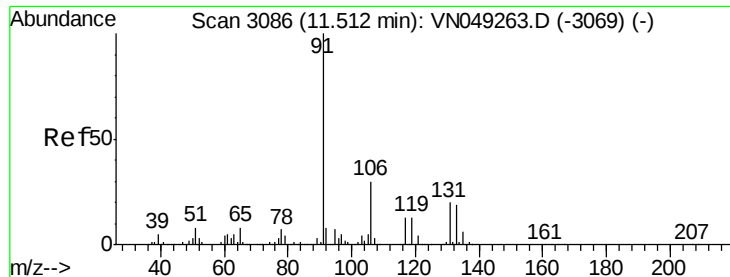


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.63 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

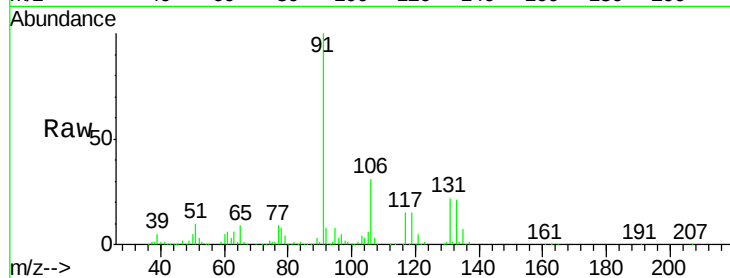
ClientSampled :

Tot Ion: 91 Resp: 1516150

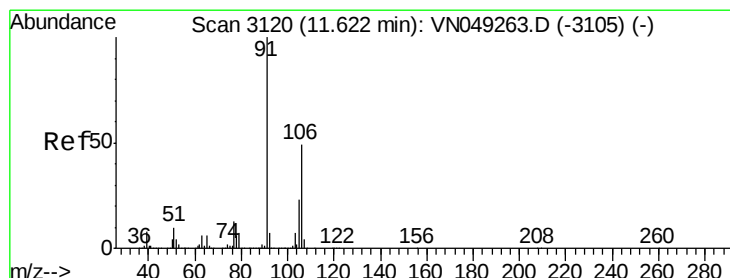
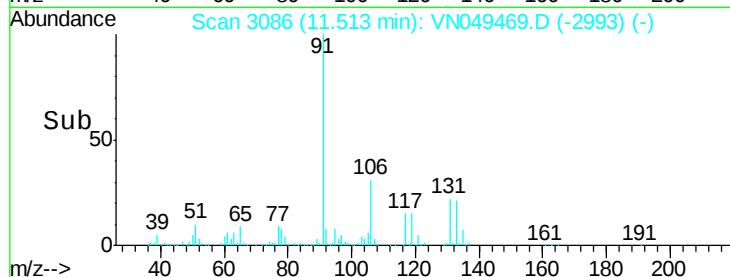
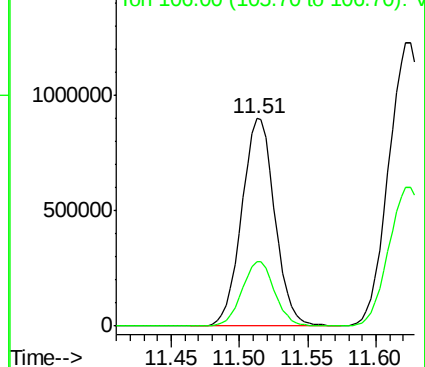
Ion Ratio Lower Upper

91 100

106 30.8 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049469.D (-2993) (-)



#68

m/p-Xylenes

Concen: 40.64 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049469.D

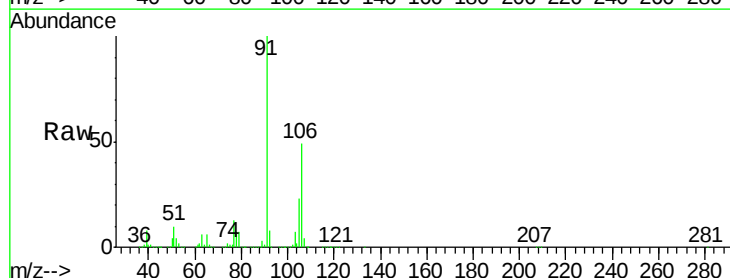
Acq: 21 Jun 2018 15:26

Tgt Ion: 106 Resp: 1178272

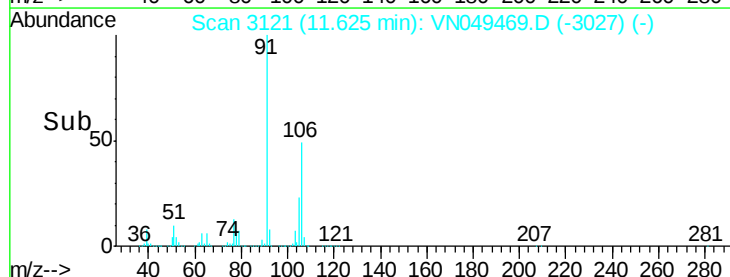
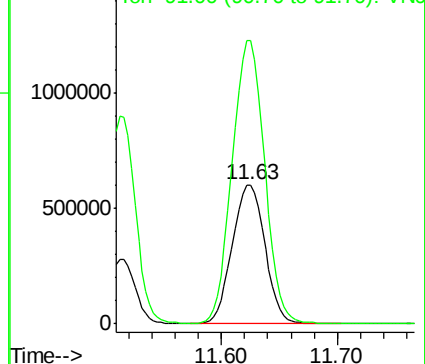
Ion Ratio Lower Upper

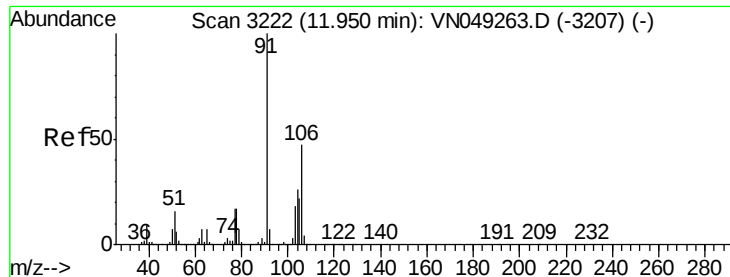
106 100

91 202.5 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049469.D (-3027) (-)





#69

o-Xylene

Concen: 20.14 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

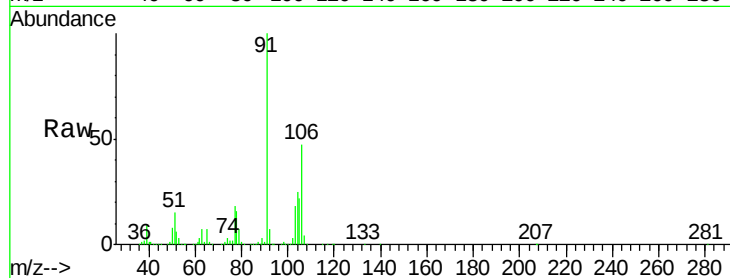
ClientSampleId :

Tot Ion:106 Resp: 562341

Ion Ratio Lower Upper

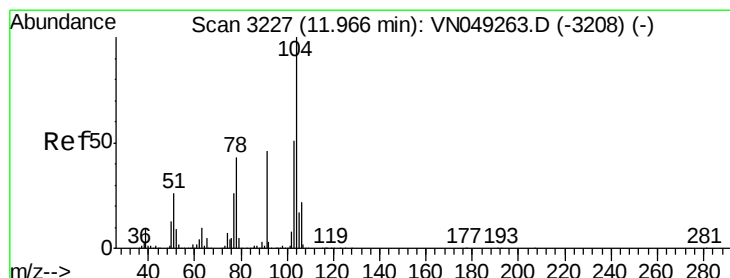
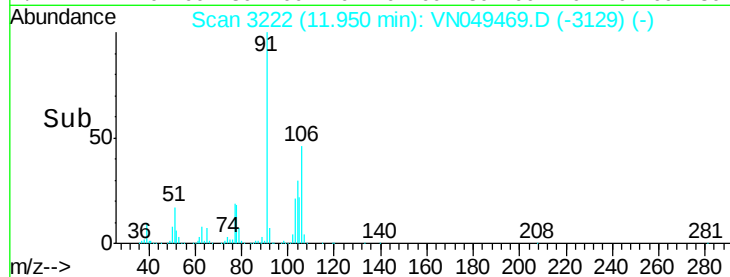
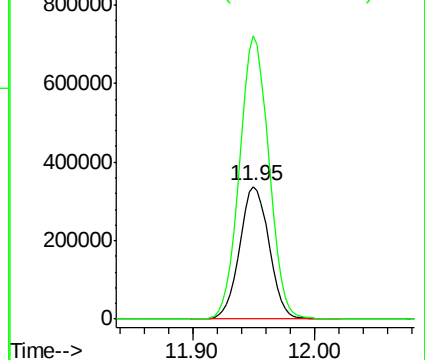
106 100

91 212.8 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.36 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

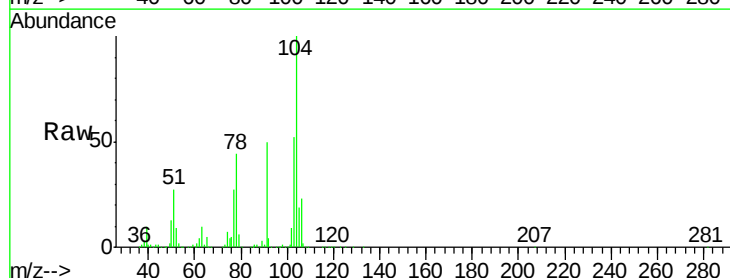
Tgt Ion:104 Resp: 897022

Ion Ratio Lower Upper

104 100

78 49.1 41.6 62.4

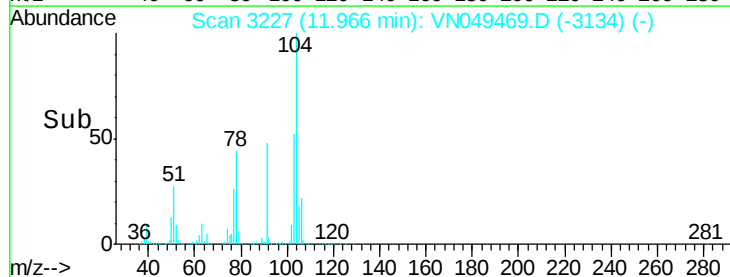
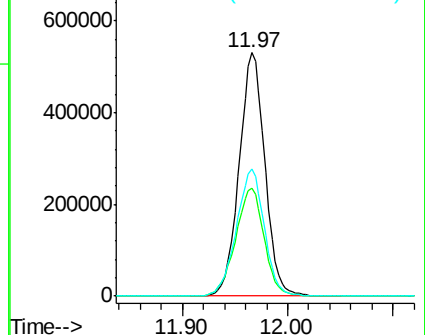
103 56.9 45.4 68.2

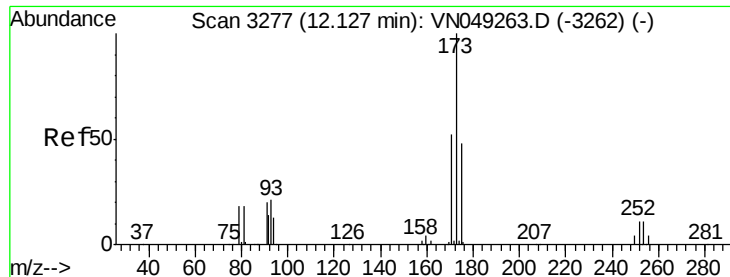


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.91 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

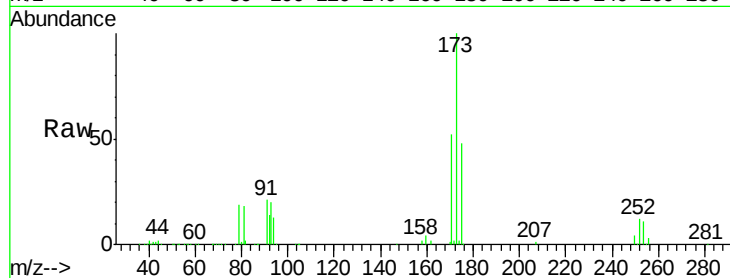
Tot Ion:173 Resp: 237226

Ion Ratio Lower Upper

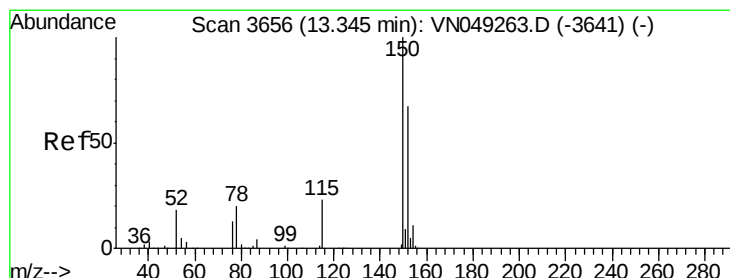
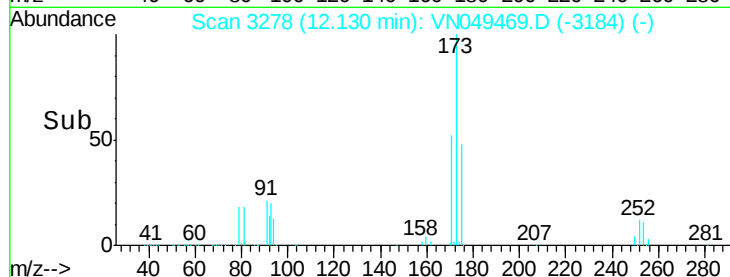
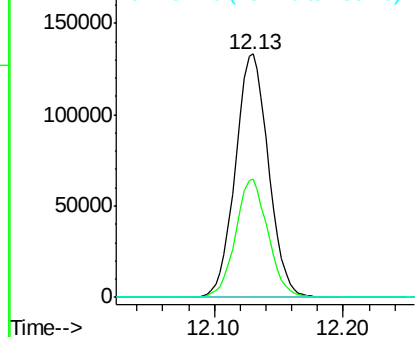
173 100

175 47.7 24.5 73.5

254 0.2 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

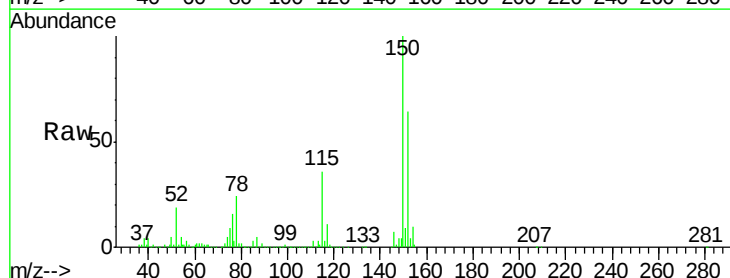
Tgt Ion:152 Resp: 884512

Ion Ratio Lower Upper

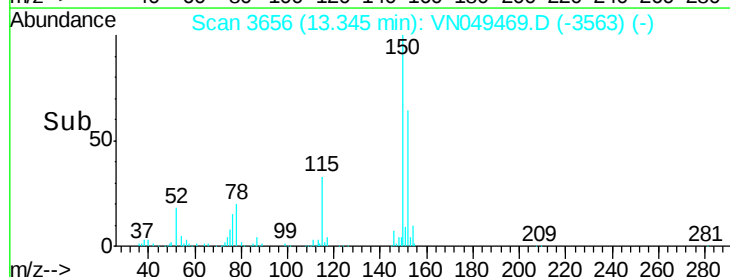
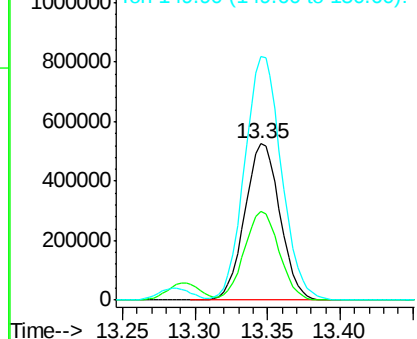
152 100

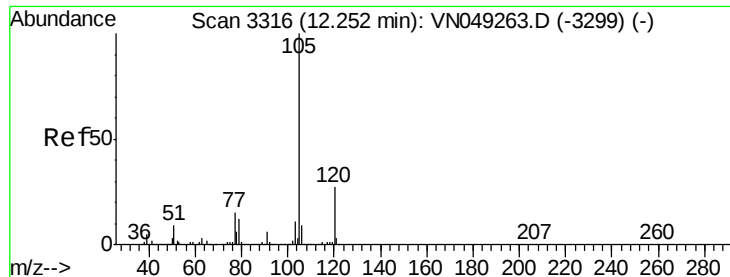
115 56.4 28.7 86.1

150 163.9 0.0 351.0



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





#73

Isopropylbenzene

Concen: 19.18 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

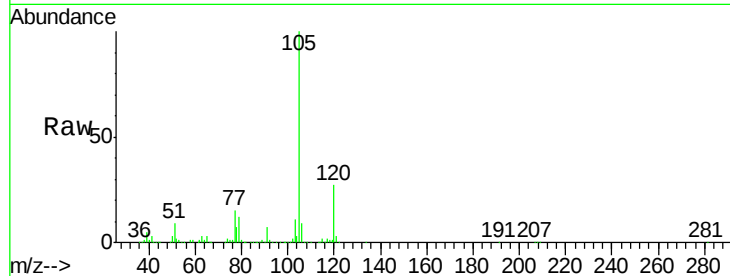
ClientSampled :

Tot Ion:105 Resp: 1489318

Ion Ratio Lower Upper

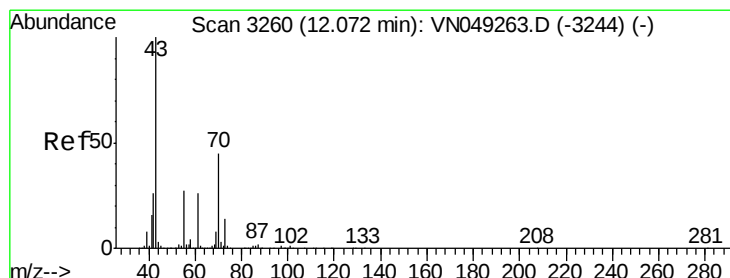
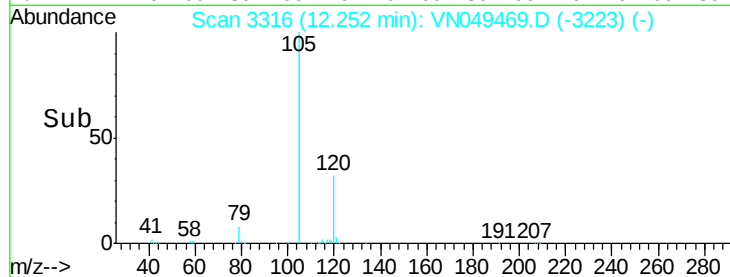
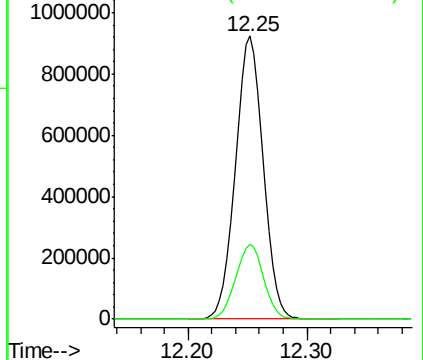
105 100

120 26.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.94 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion: 43 Resp: 360310

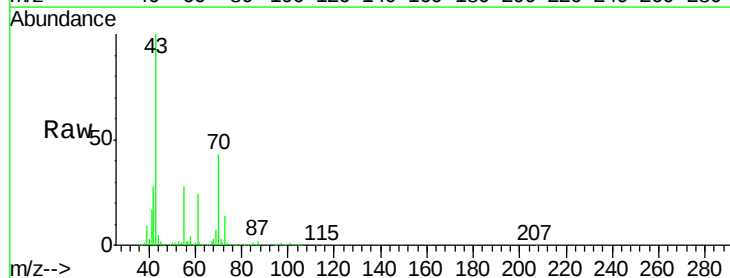
Ion Ratio Lower Upper

43 100

70 43.1 30.3 45.5

55 28.3 19.4 29.2

61 24.9 17.8 26.6

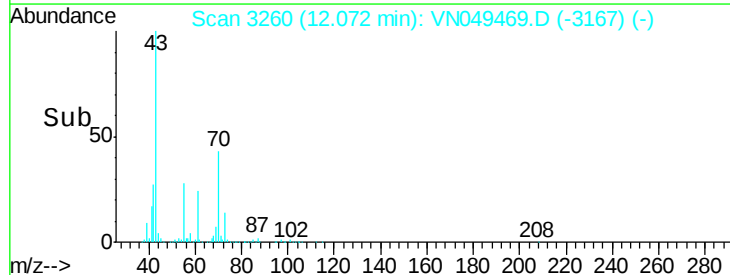
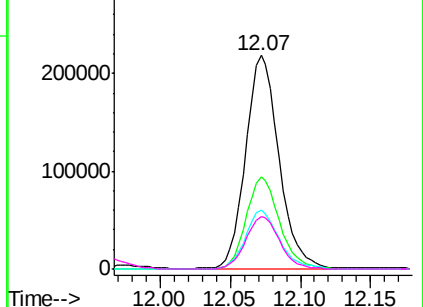


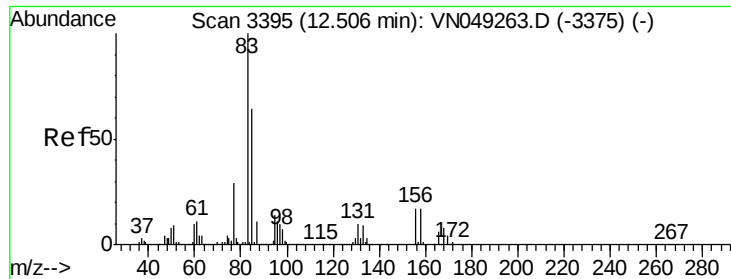
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.46 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

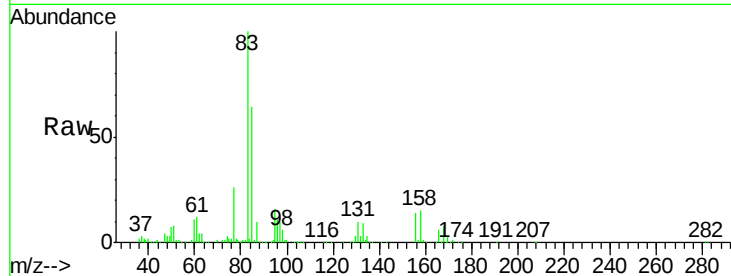
Tot Ion: 83 Resp: 347979

Ion Ratio Lower Upper

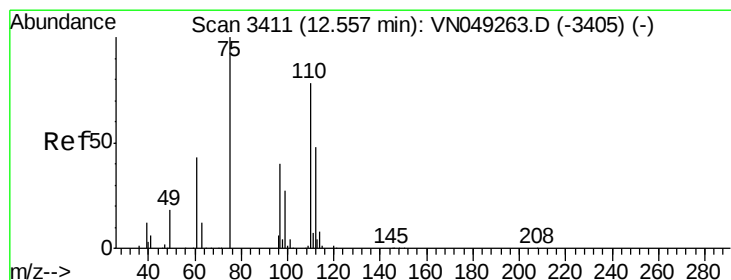
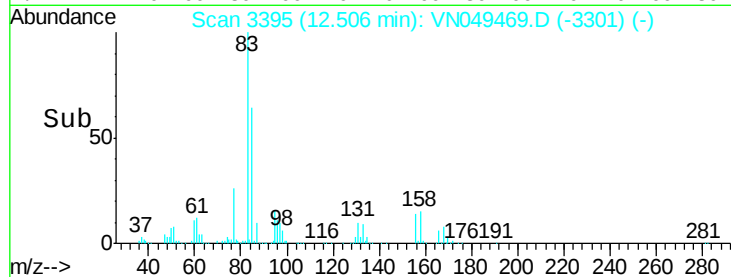
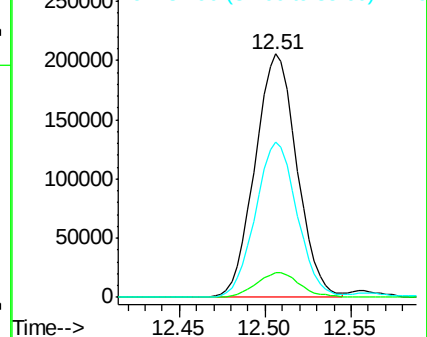
83 100

131 10.6 5.0 15.0

85 63.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.47 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049469.D

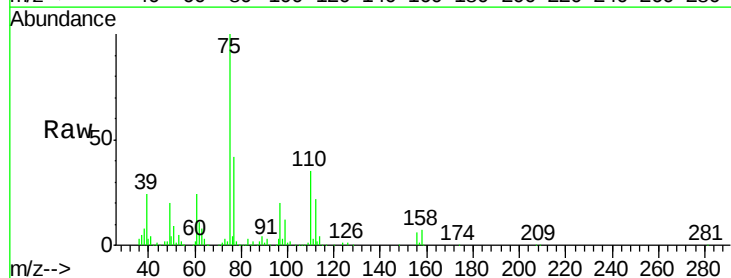
Acq: 21 Jun 2018 15:26

Tgt Ion: 75 Resp: 444727

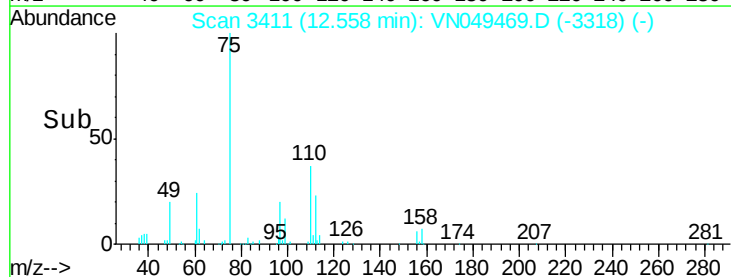
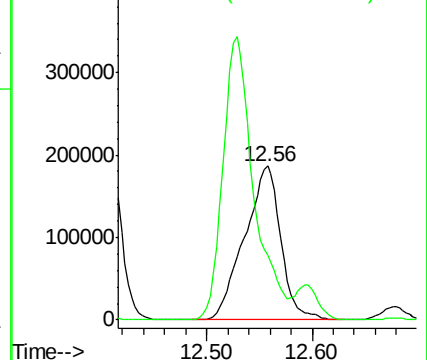
Ion Ratio Lower Upper

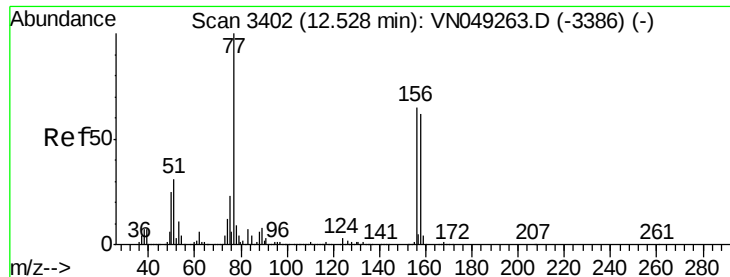
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 18.82 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

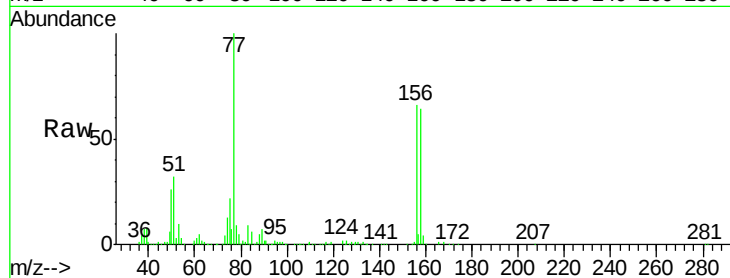
Tot Ion:156 Resp: 386150

Ion Ratio Lower Upper

156 100

77 179.1 100.8 302.4

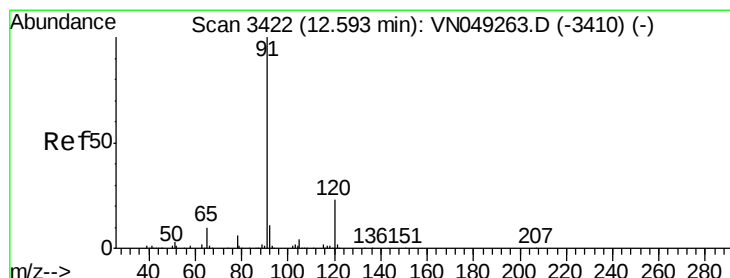
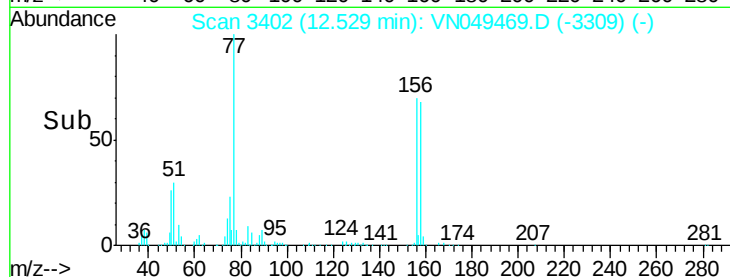
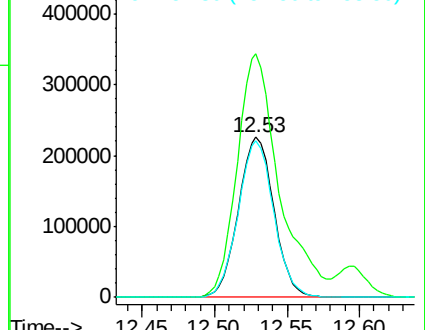
158 97.8 49.3 147.9



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: 19.46 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049469.D

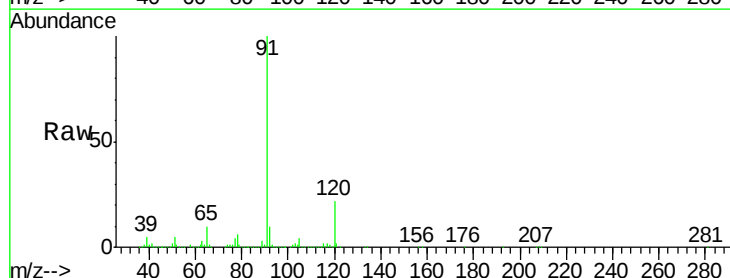
Acq: 21 Jun 2018 15:26

Tgt Ion: 91 Resp: 1659275

Ion Ratio Lower Upper

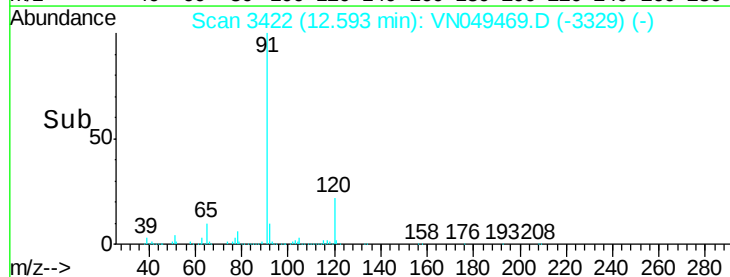
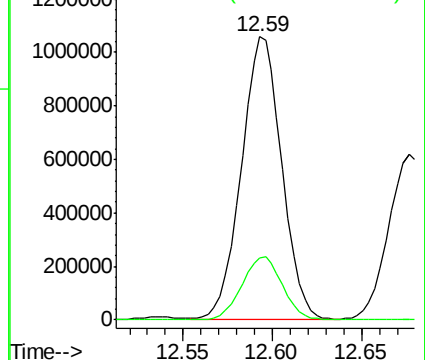
91 100

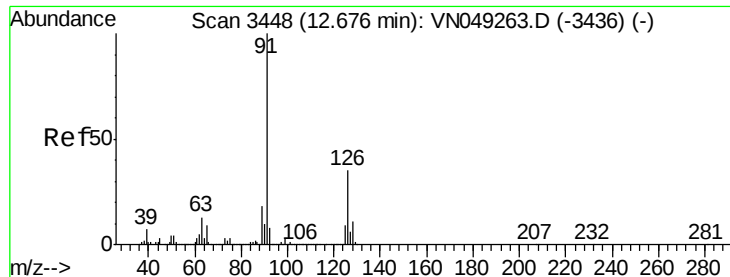
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

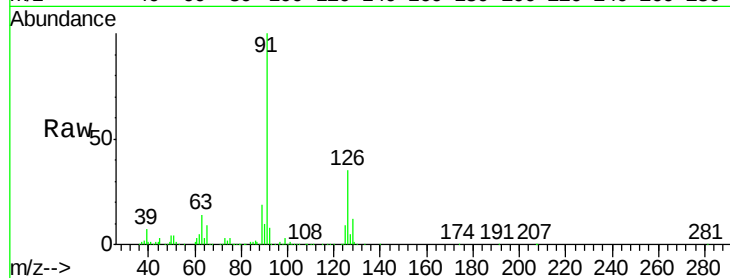
ClientSampled :

Tot Ion: 91 Resp: 1029324

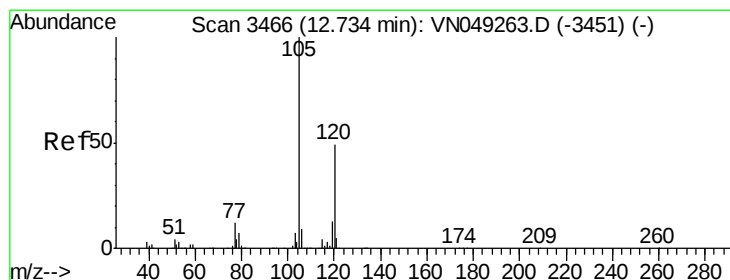
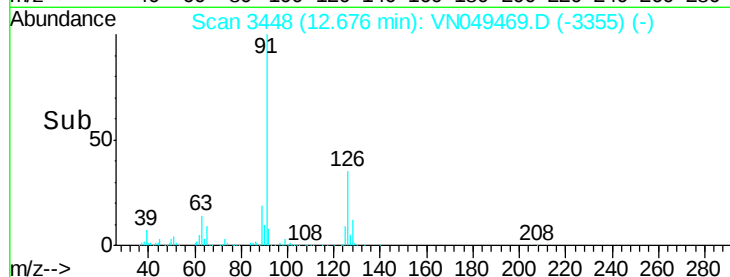
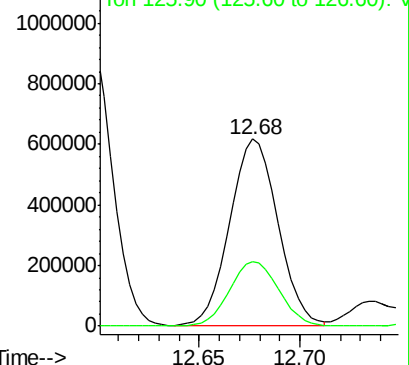
Ion Ratio Lower Upper

91 100

126 35.4 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.81 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049469.D

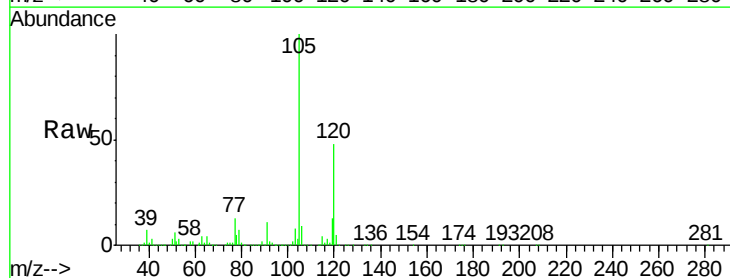
Acq: 21 Jun 2018 15:26

Tgt Ion: 105 Resp: 1209499

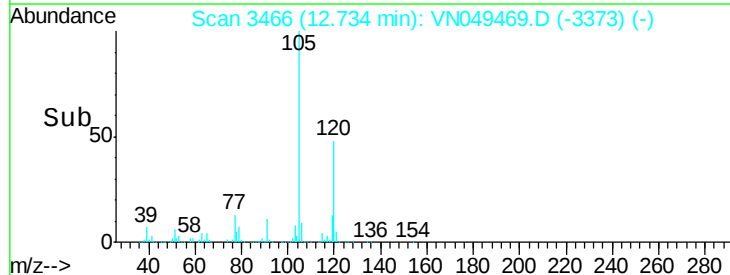
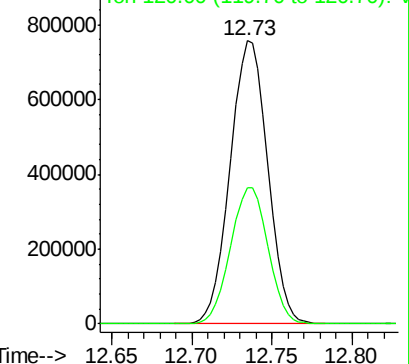
Ion Ratio Lower Upper

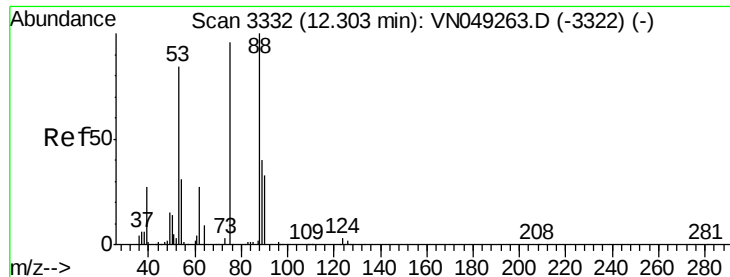
105 100

120 48.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.45 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

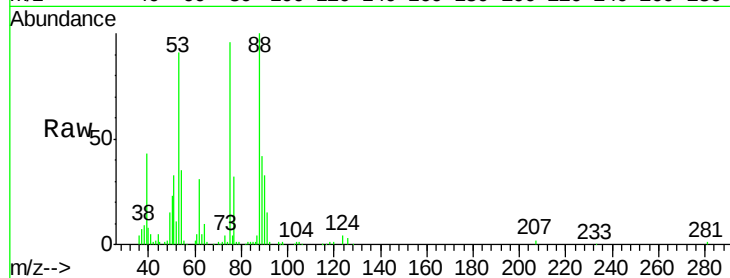
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 92897

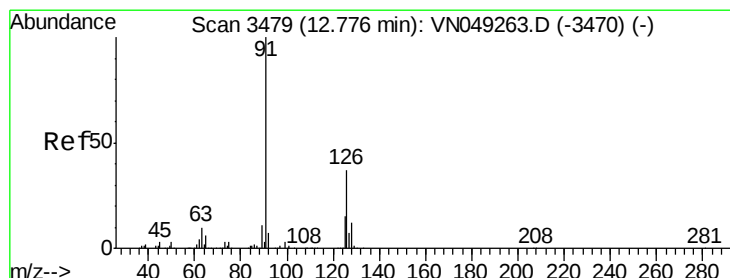
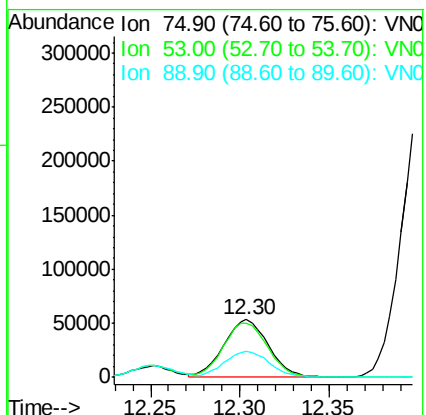
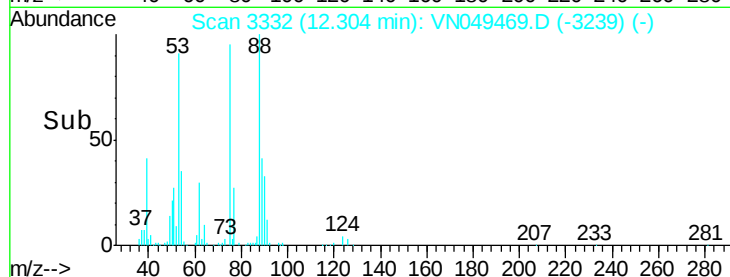
Ion	Ratio	Lower	Upper
75	100		
53	94.4	82.7	124.1
89	46.2	36.5	54.7



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: 19.45 ug/l

RT: 12.78 min Scan# 3479

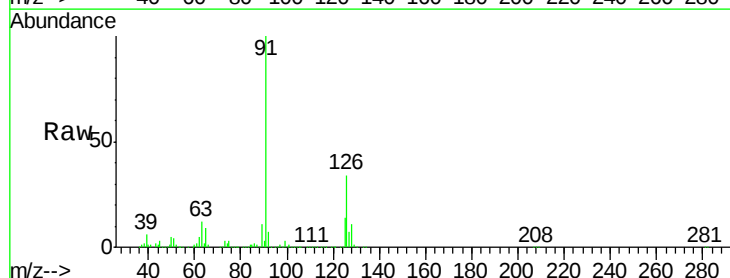
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

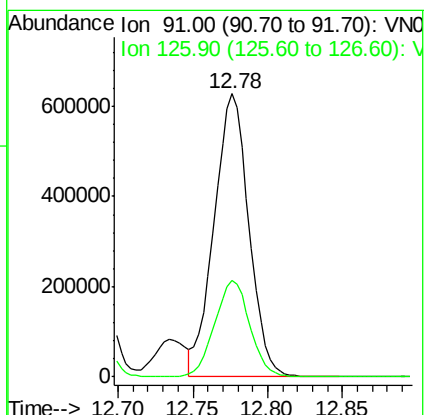
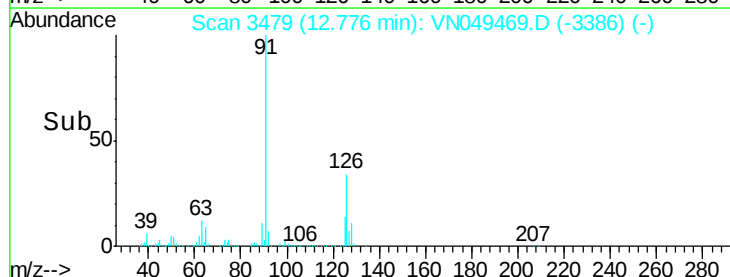
Tgt Ion: 91 Resp: 1013929

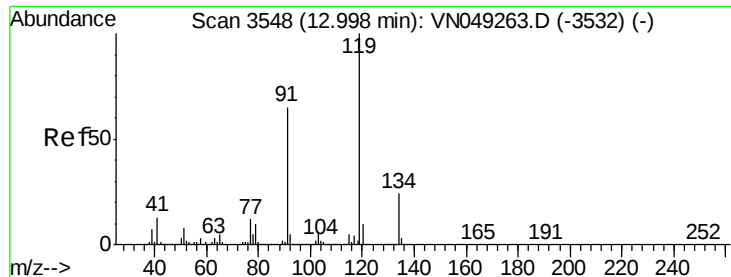
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.76 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

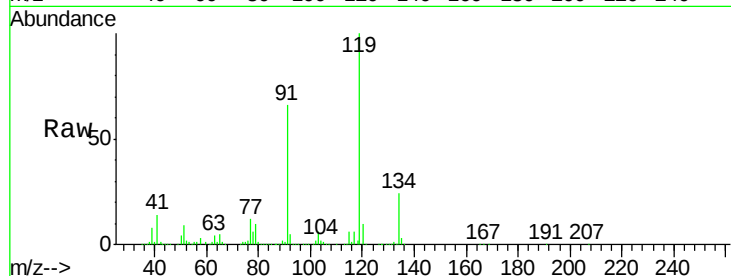
Tot Ion:119 Resp: 1014779

Ion Ratio Lower Upper

119 100

91 64.6 33.7 101.0

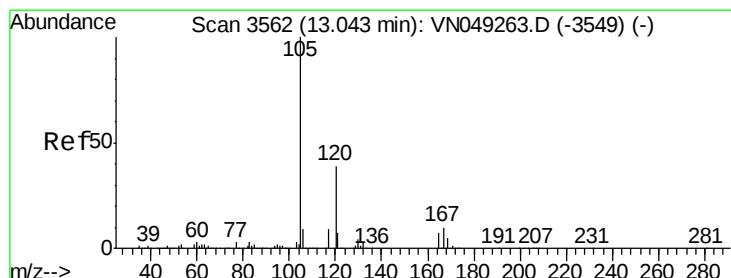
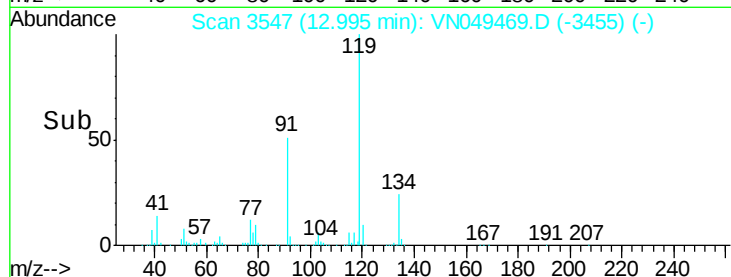
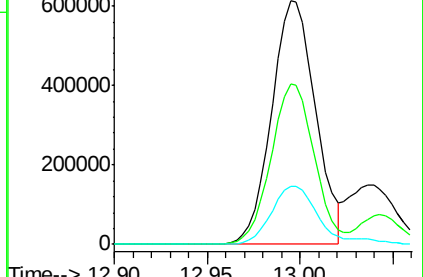
134 25.9 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.99 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049469.D

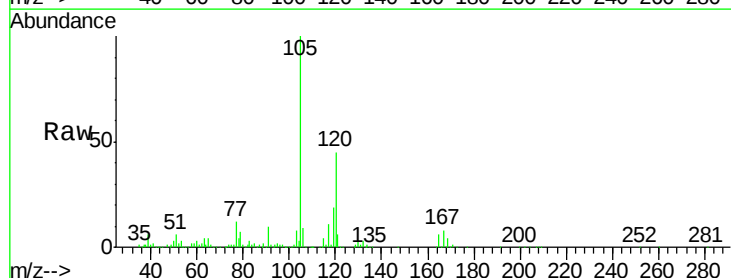
Acq: 21 Jun 2018 15:26

Tgt Ion:105 Resp: 1212214

Ion Ratio Lower Upper

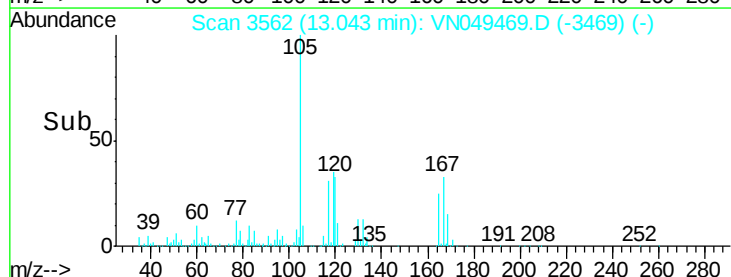
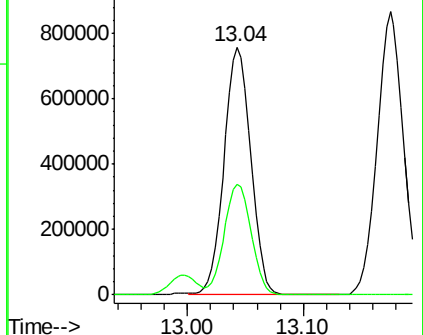
105 100

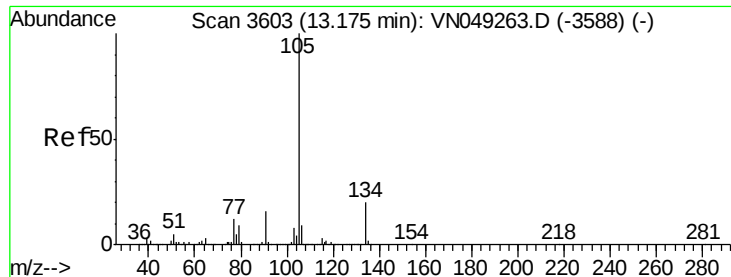
120 45.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.96 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

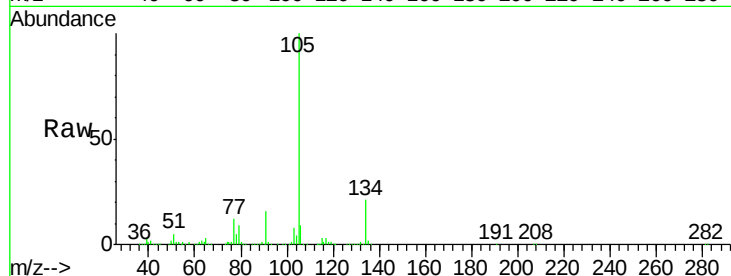
ClientSampleId :

Tot Ion:105 Resp: 1364955

Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

800000

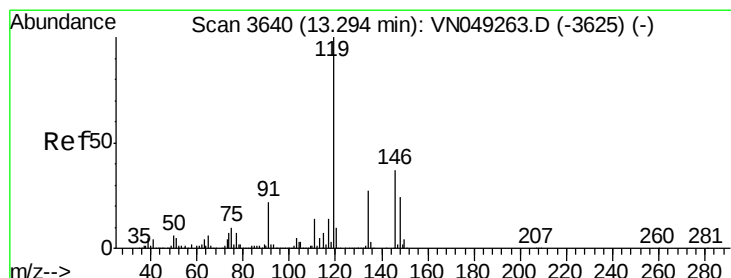
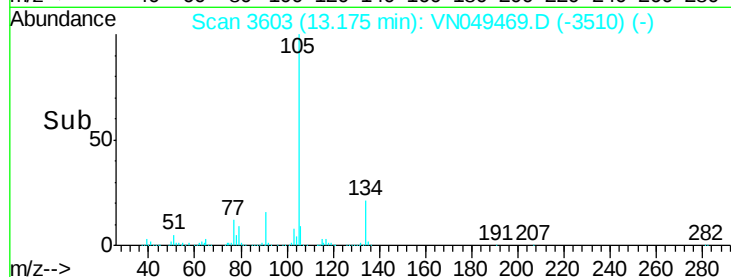
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.98 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

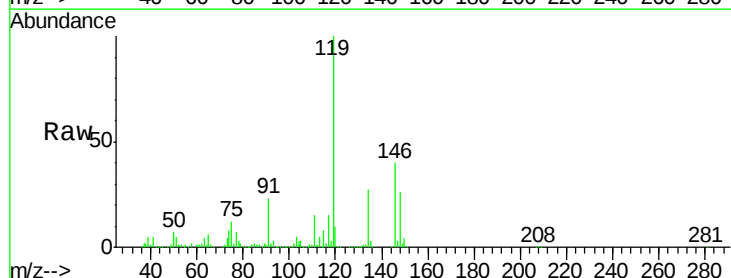
Tgt Ion:119 Resp: 1141354

Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

91 23.0 12.1 36.3



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

13.29

800000

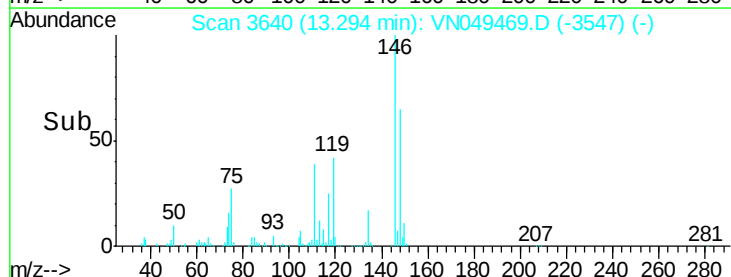
600000

400000

200000

0

Time-->

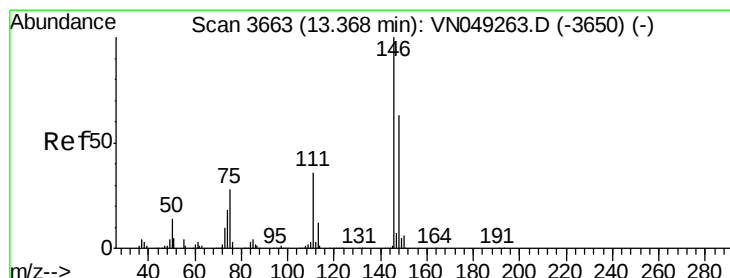
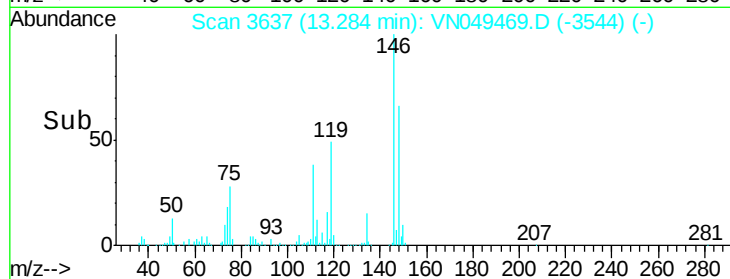
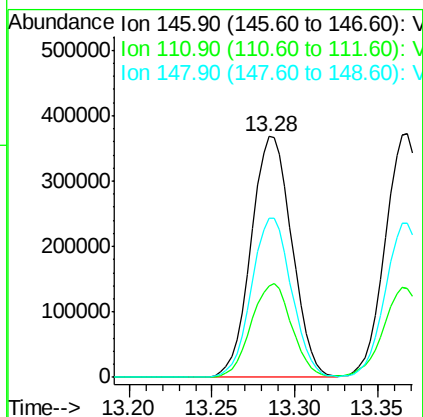
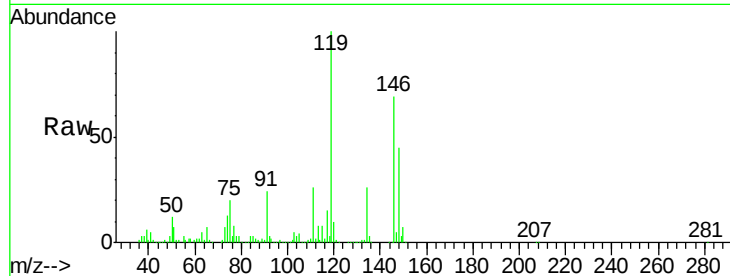




#87
 1,3-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

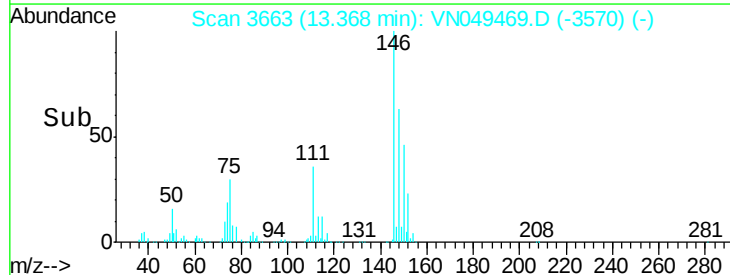
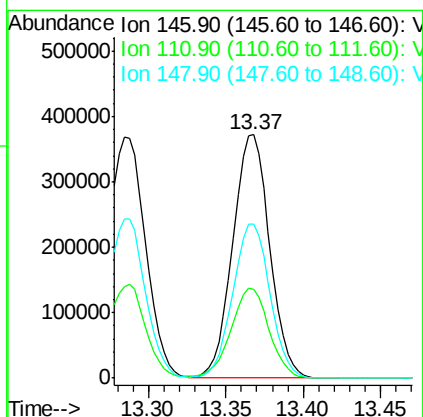
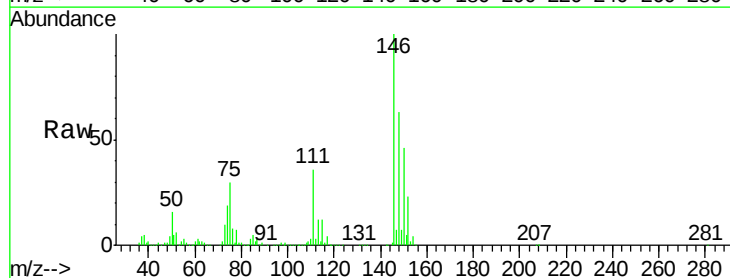
Instrument :
 MSVOA_N
 ClientSampled :

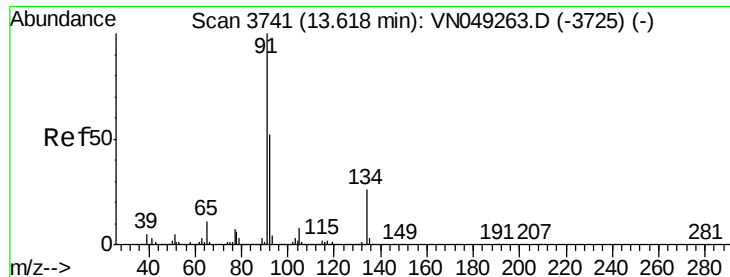
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	64.9	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.9	32.0	96.2

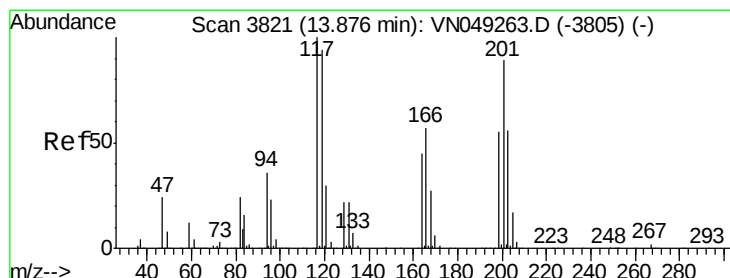
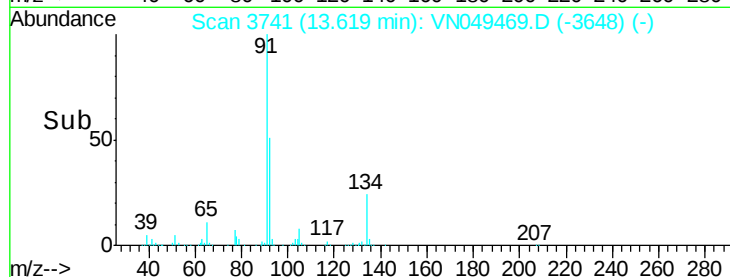
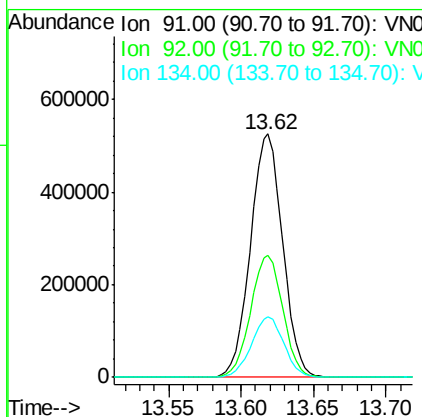
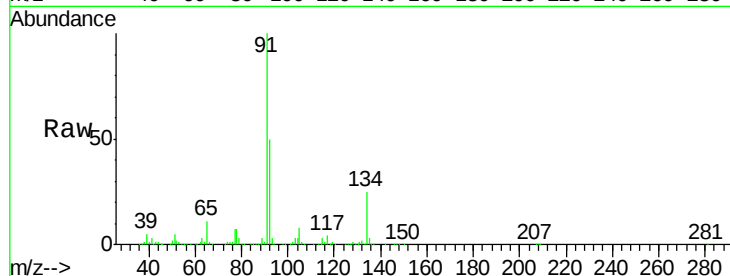




#89
n-Butylbenzene
Concen: 17.30 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

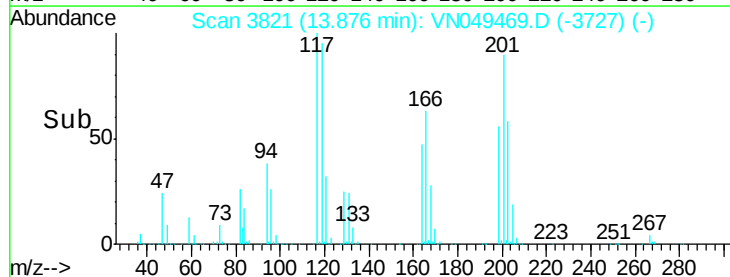
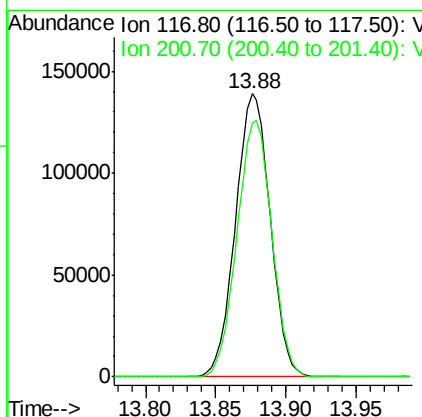
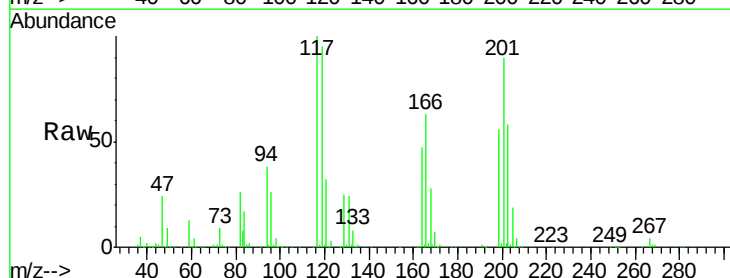
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 812529
Ion Ratio Lower Upper
91 100
92 50.4 25.1 75.4
134 25.0 12.0 36.0



#90
Hexachloroethane
Concen: 20.07 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 117 Resp: 240021
Ion Ratio Lower Upper
117 100
201 91.1 40.1 120.2

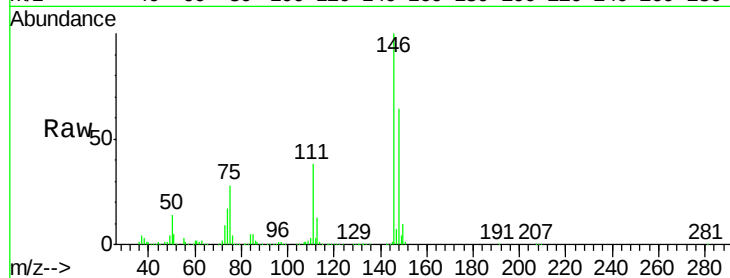




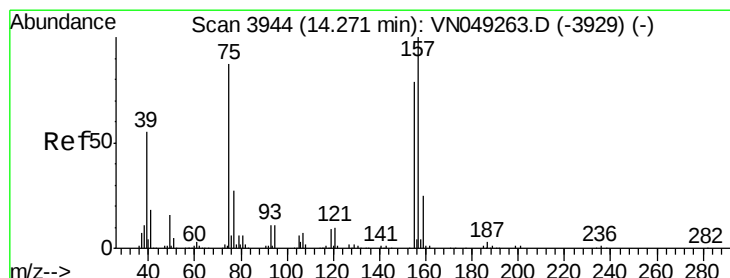
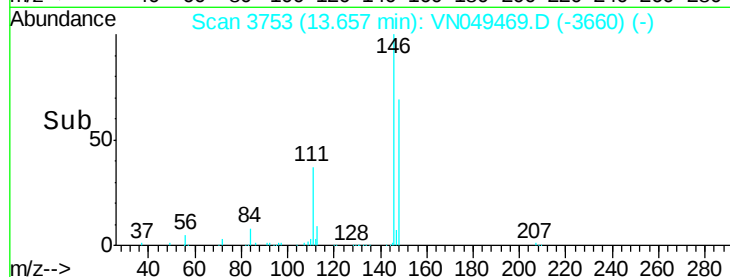
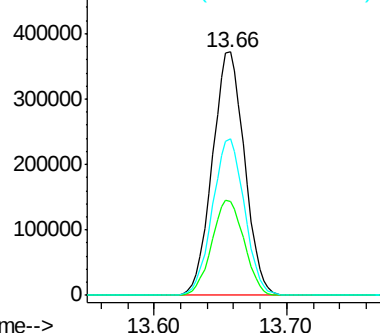
#91
 1,2-Dichlorobenzene
 Concen: 18.94 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.2
148	64.1	32.0	96.2

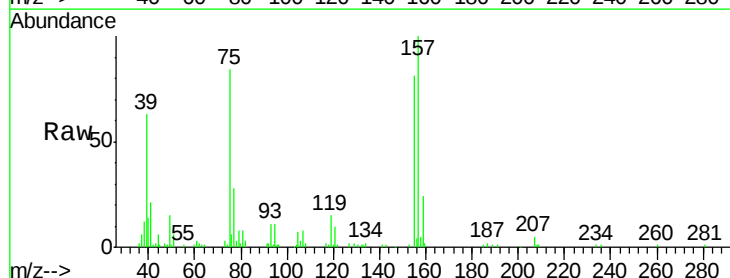


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

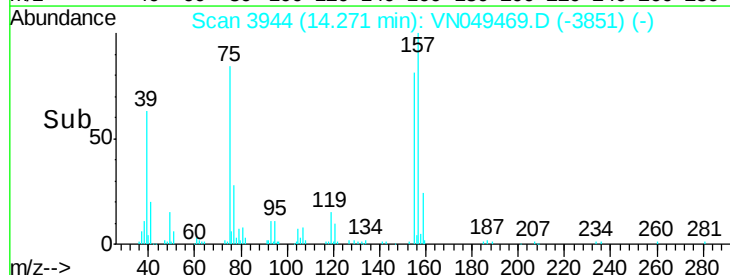
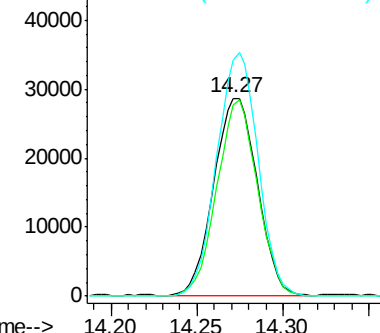


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.77 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	38.8	116.3
157	115.7	51.0	153.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

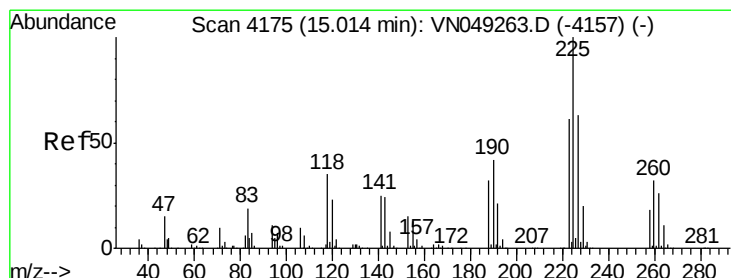
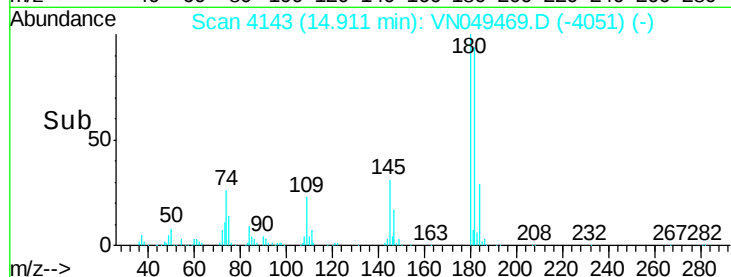
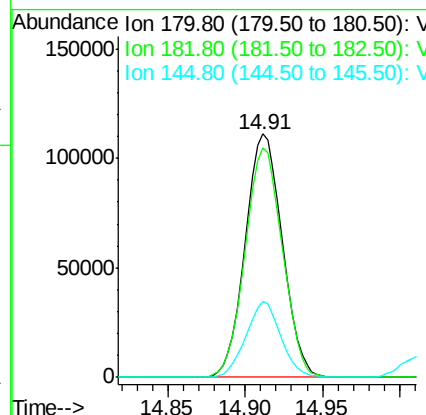
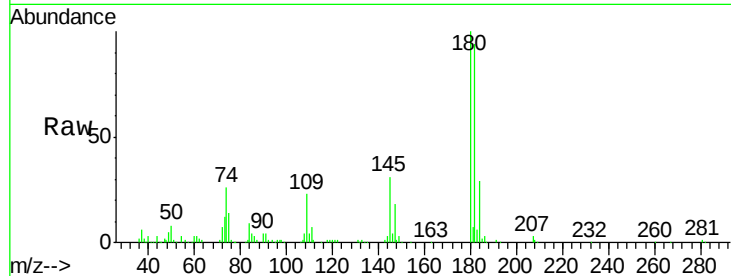




#93
 1,2,4-Trichlorobenzene
 Concen: 15.81 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

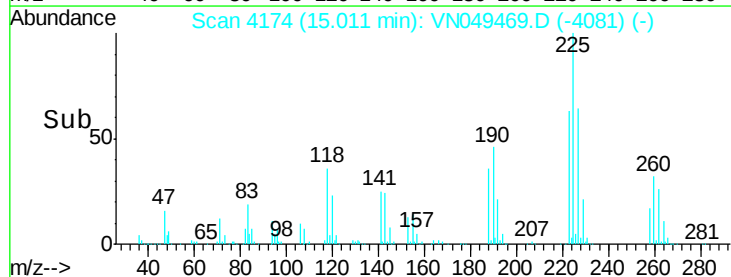
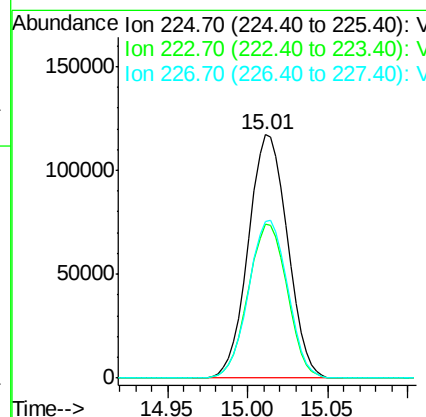
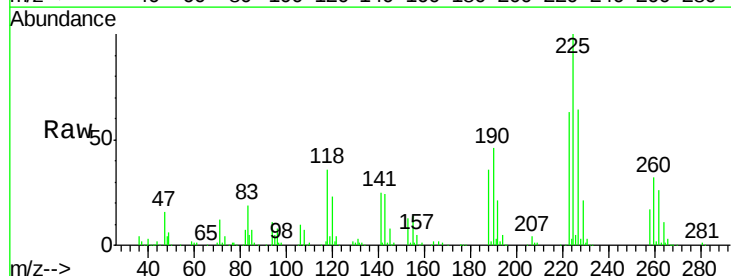
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.8
145	29.4	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 18.55 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.1	96.3
227	64.6	31.8	95.3





#95

Naphthalene

Concen: 16.07 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

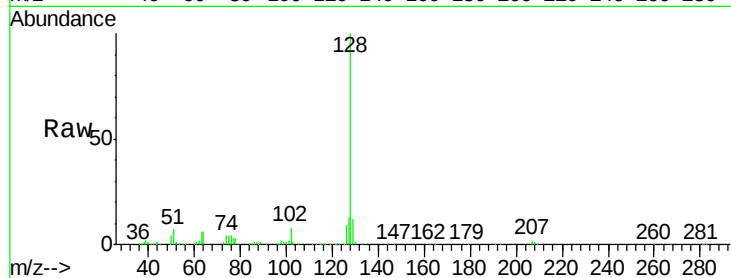
Tot Ion:128 Resp: 357192

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

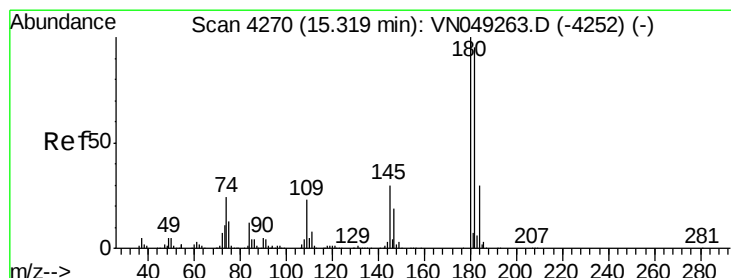
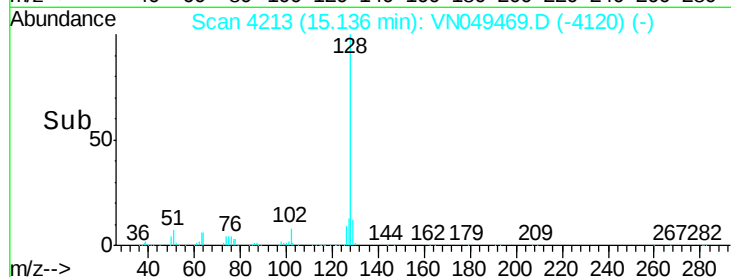
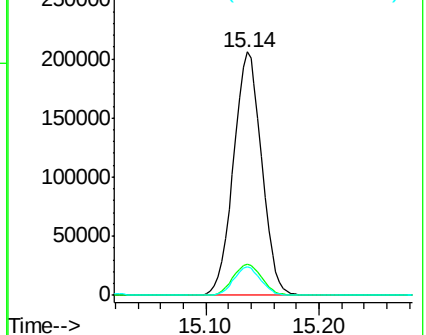
129 11.2 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.54 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

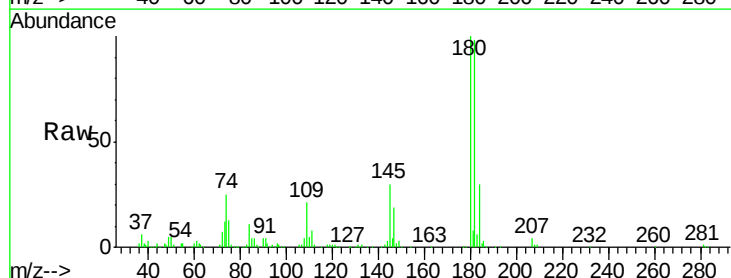
Tgt Ion:180 Resp: 208381

Ion Ratio Lower Upper

180 100

182 96.5 47.3 141.8

145 30.4 15.6 46.7



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

