

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049478.D
 Acq On : 21 Jun 2018 19:36
 Operator : MD\SY
 Sample : VN0621WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 03:41:19 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	1441420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2133070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1921274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	909546	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	897085	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	
35) Dibromofluoromethane	7.59	113	800211	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	10.09	98	2961894	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
62) 4-Bromofluorobenzene	12.40	95	981038	45.15	ug/l	0.00
Spiked Amount			Recovery	=	90.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	303641	18.30	ug/l	99
3) Chloromethane	2.06	50	380769	17.77	ug/l	99
4) Vinyl Chloride	2.18	62	414194	18.19	ug/l	99
5) Bromomethane	2.57	94	226128	18.89	ug/l	96
6) Chloroethane	2.70	64	262173	19.31	ug/l	99
7) Trichlorofluoromethane	3.02	101	543341	19.13	ug/l	100
8) Diethyl Ether	3.41	74	196512	19.82	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	337968	18.76	ug/l	94
10) Methyl Iodide	3.95	142	363744	19.40	ug/l	92
11) Tert butyl alcohol	4.80	59	115989	103.37	ug/l	99
12) 1,1-Dichloroethene	3.73	96	304067	18.40	ug/l	90
13) Acrolein	3.61	56	117835	100.14	ug/l	100
14) Allyl chloride	4.32	41	497825	19.08	ug/l	89
15) Acrylonitrile	4.99	53	578961	103.19	ug/l	98
16) Acetone	3.82	43	472172	101.72	ug/l	91
17) Carbon Disulfide	4.05	76	881131	17.01	ug/l	99
18) Methyl Acetate	4.33	43	322309	22.77	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	846223	20.08	ug/l	99
20) Methylene Chloride	4.55	84	368515	19.01	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	323877	18.51	ug/l	95
22) Diisopropyl ether	5.96	45	1057108	20.29	ug/l	97
23) Vinyl Acetate	5.90	43	3370391	99.21	ug/l	96
24) 1,1-Dichloroethane	5.85	63	631999	18.95	ug/l	99
25) 2-Butanone	6.84	43	654288	104.97	ug/l	95
26) 2,2-Dichloropropane	6.82	77	518771	19.26	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	373817	19.22	ug/l	92
28) Bromochloromethane	7.20	49	267760	18.11	ug/l #	83
29) Tetrahydrofuran	7.22	42	423493	105.55	ug/l	95
30) Chloroform	7.37	83	638679	19.24	ug/l	99
31) Cyclohexane	7.65	56	535541	18.83	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	547036	19.31	ug/l	97
36) 1,1-Dichloropropene	7.80	75	465621	19.05	ug/l	98
37) Ethyl Acetate	6.94	43	286361	21.55	ug/l #	97
38) Carbon Tetrachloride	7.78	117	483144	19.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	476250	18.15	ug/l	99
40) Benzene	8.04	78	1439857	19.21	ug/l	99
41) Methacrylonitrile	7.18	41	136774	19.04	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	455221	19.66	ug/l	96
43) Isopropyl Acetate	8.17	43	561615	22.12	ug/l	98
44) Trichloroethene	8.84	130	386719	19.54	ug/l	97
45) 1,2-Dichloropropane	9.12	63	382192	19.48	ug/l	99
46) Dibromomethane	9.21	93	225720	19.84	ug/l	92
47) Bromodichloromethane	9.41	83	485245	19.41	ug/l	97
48) Methyl methacrylate	9.20	41	257840	21.56	ug/l	89
49) 1,4-Dioxane	9.20	88	66631	403.72	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1443894	108.49	ug/l	95
52) Toluene	10.16	92	874883	19.89	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	456928	19.10	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	543814	19.25	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	320357	19.54	ug/l	99
56) Ethyl methacrylate	10.43	69	389722	20.60	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	533690	19.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	436914	75.22	ug/l	95
59) 2-Hexanone	10.75	43	931109	108.52	ug/l	93
60) Dibromochloromethane	10.90	129	362474	19.80	ug/l	98
61) 1,2-Dibromoethane	11.01	107	304673	19.99	ug/l	99
64) Tetrachloroethene	10.63	164	421330	21.40	ug/l	97
65) Chlorobenzene	11.44	112	946494	19.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	356983	19.17	ug/l	99
67) Ethyl Benzene	11.51	91	1575101	19.19	ug/l	97
68) m/p-Xylenes	11.63	106	1223808	39.72	ug/l	97
69) o-Xylene	11.95	106	586896	19.78	ug/l	95
70) Styrene	11.97	104	942131	20.12	ug/l	98
71) Bromoform	12.13	173	238897	19.82	ug/l #	100
73) Isopropylbenzene	12.25	105	1563876	19.58	ug/l	98
74) N-amyl acetate	12.07	43	394102	20.15	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	366776	21.03	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	467853	30.15	ug/l #	100
77) Bromobenzene	12.53	156	398205	18.88	ug/l	92
78) n-propylbenzene	12.59	91	1738613	19.83	ug/l	99
79) 2-Chlorotoluene	12.68	91	1073287	19.32	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	1260590	20.08	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	101013	20.57	ug/l	89
82) 4-Chlorotoluene	12.78	91	1055845	19.70	ug/l	97
83) tert-Butylbenzene	13.00	119	1090143	19.60	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1267134	20.32	ug/l	99
85) sec-Butylbenzene	13.17	105	1419679	19.18	ug/l	99
86) p-Isopropyltoluene	13.29	119	1191773	19.27	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	663250	19.11	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	634988	18.46	ug/l	99
89) n-Butylbenzene	13.62	91	861523	17.84	ug/l	97
90) Hexachloroethane	13.88	117	247668	20.15	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	657525	19.32	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57878	20.82	ug/l	92

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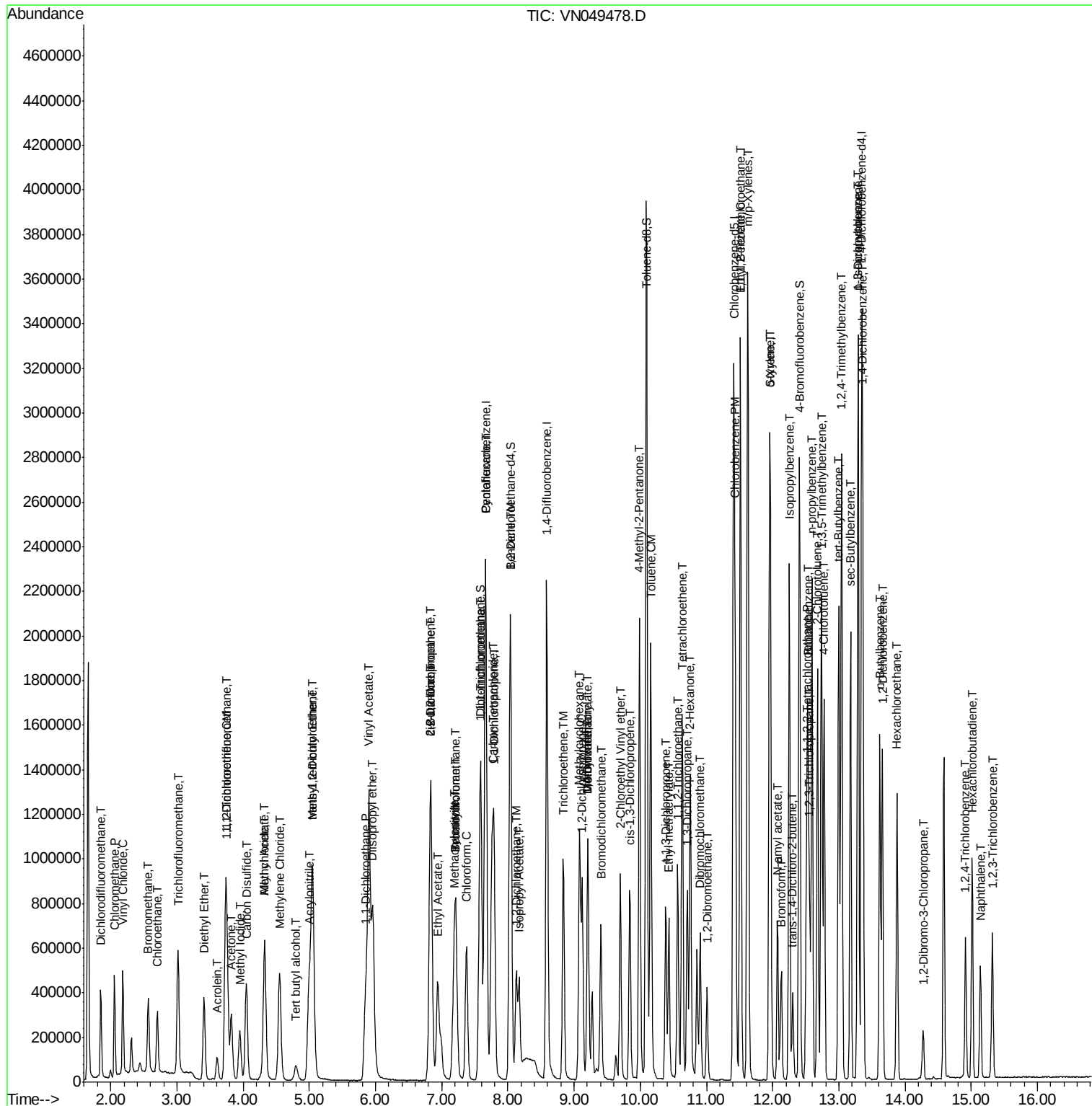
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212778	17.09	ug/l	100
94) Hexachlorobutadiene	15.01	225	204676	18.87	ug/l	99
95) Naphthalene	15.14	128	436833	18.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	233905	17.74	ug/l	98

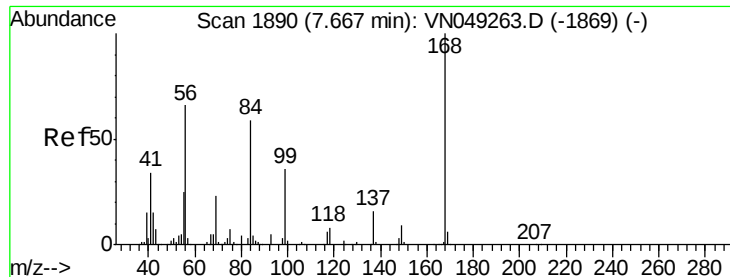
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

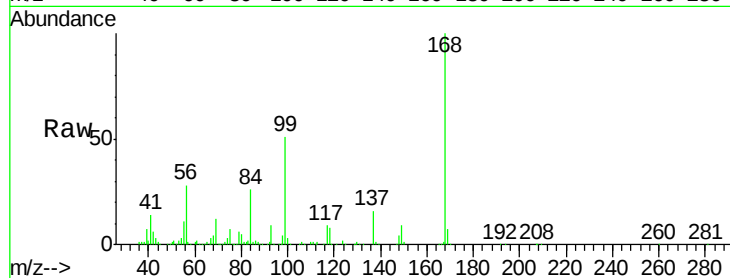
ClientSampleId :

Tot Ion:168 Resp: 1441420

Ion Ratio Lower Upper

168 100

99 51.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

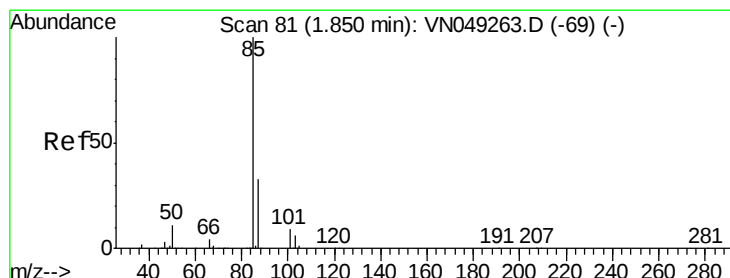
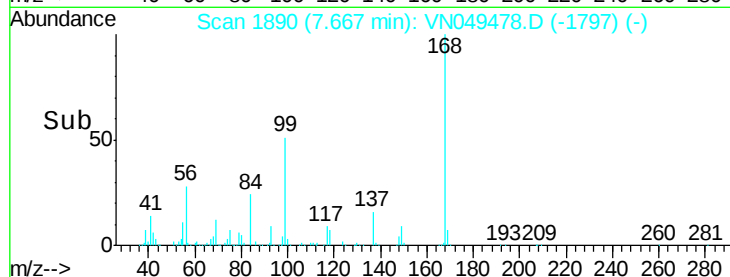
400000

200000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.30 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049478.D

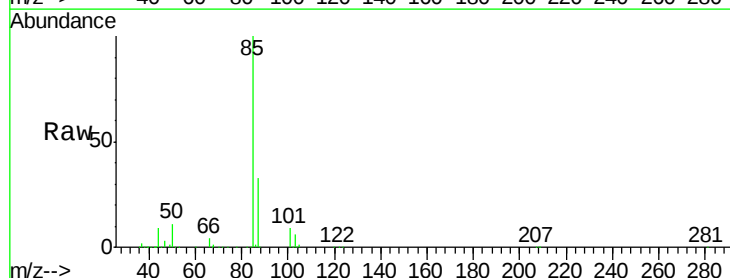
Acq: 21 Jun 2018 19:36

Tgt Ion: 85 Resp: 303641

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

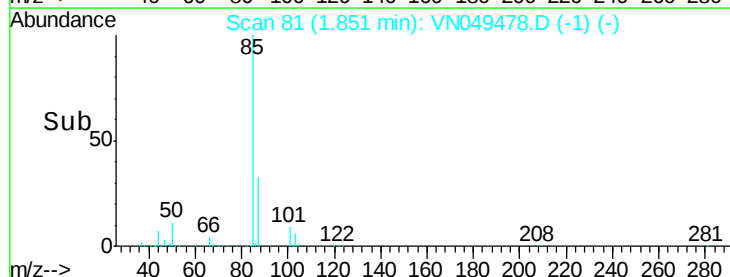
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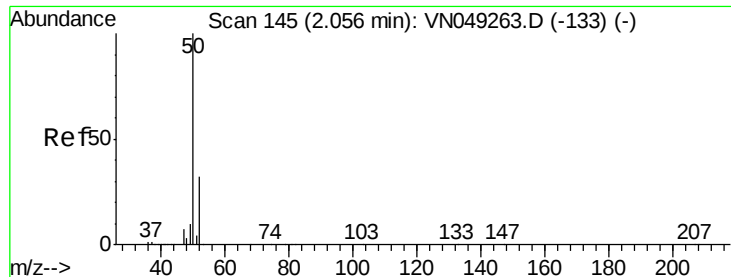
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.77 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

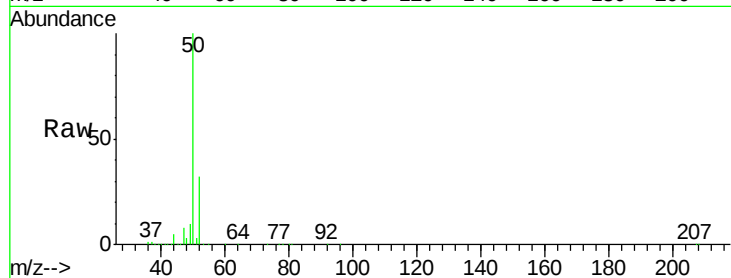
ClientSampleId :

Tot Ion: 50 Resp: 380769

Ion Ratio Lower Upper

50 100

52 32.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN049478.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049478.D (-52) (-)

2.06

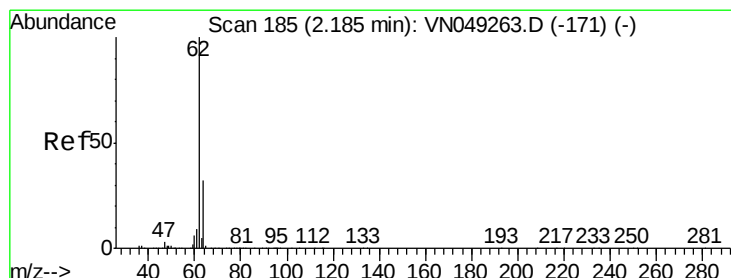
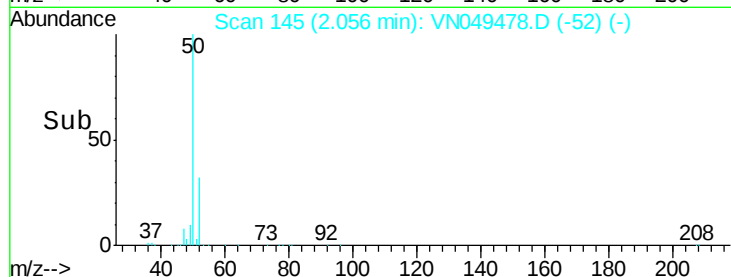
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 18.19 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049478.D

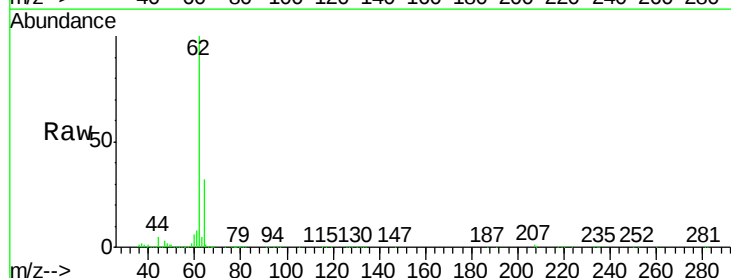
Acq: 21 Jun 2018 19:36

Tgt Ion: 62 Resp: 414194

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN049478.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN049478.D (-92) (-)

2.18

300000

250000

200000

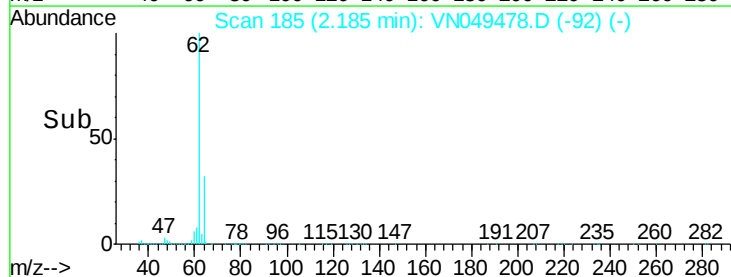
150000

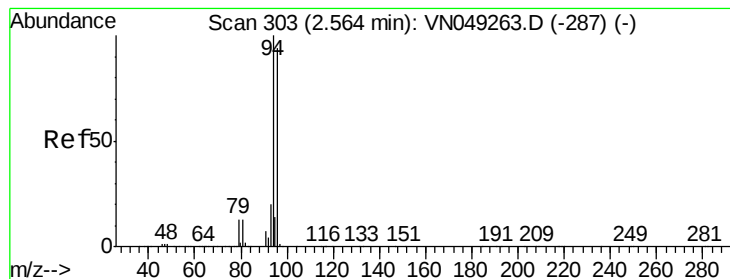
100000

50000

0

Time-->





#5

Bromomethane

Concen: 18.89 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

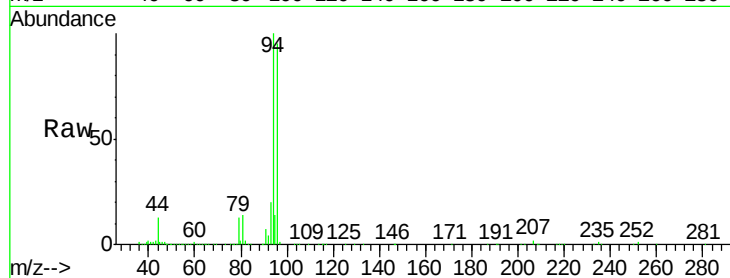
ClientSampleId :

Tot Ion: 94 Resp: 226128

Ion Ratio Lower Upper

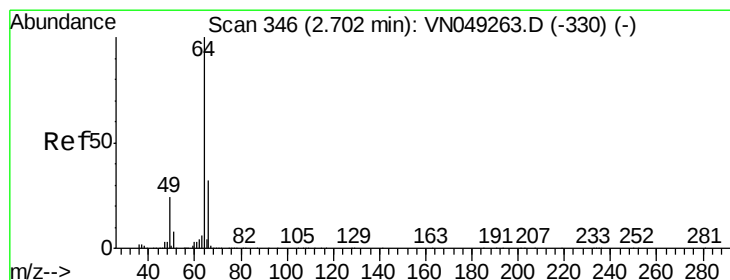
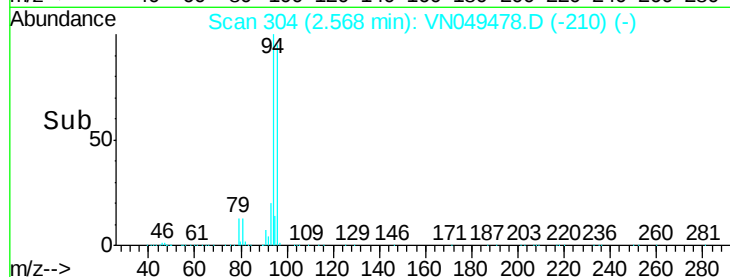
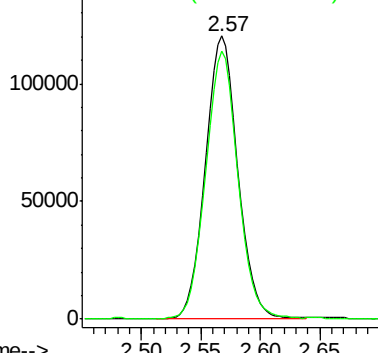
94 100

96 94.7 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.31 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049478.D

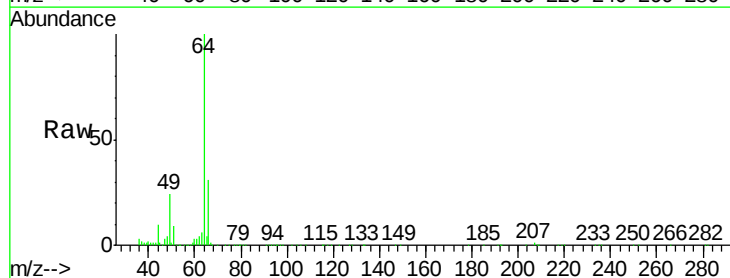
Acq: 21 Jun 2018 19:36

Tgt Ion: 64 Resp: 262173

Ion Ratio Lower Upper

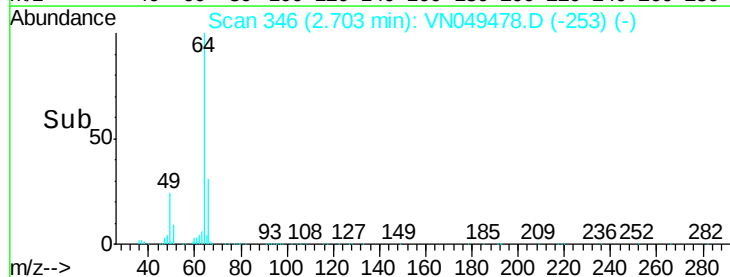
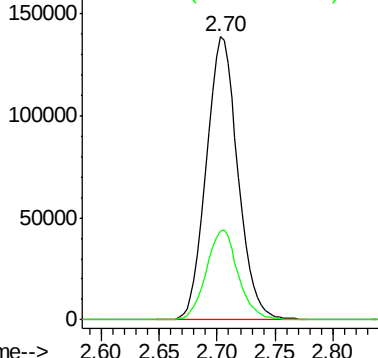
64 100

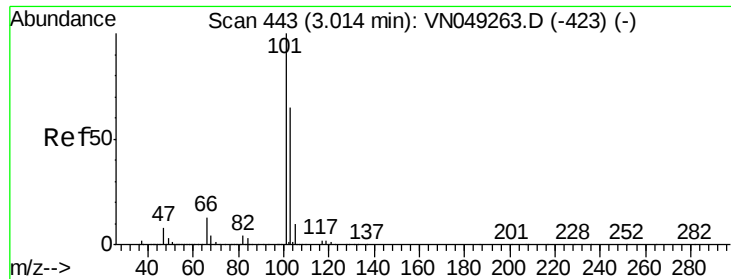
66 31.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



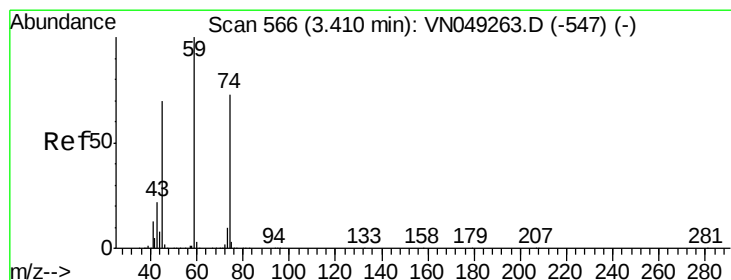
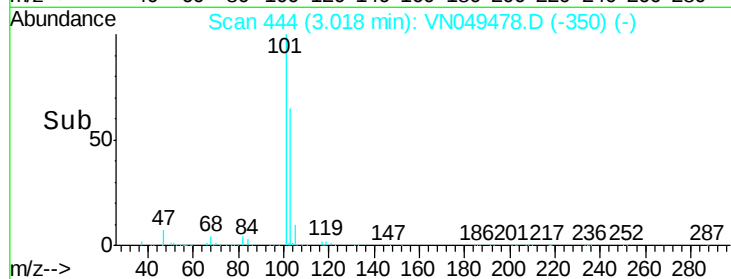
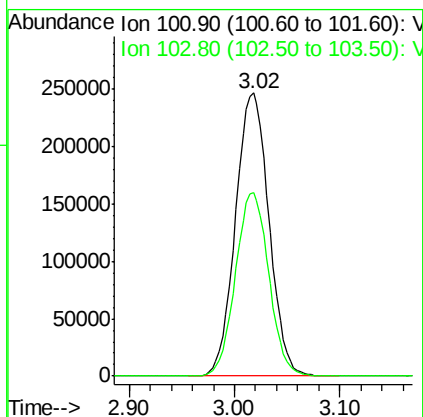
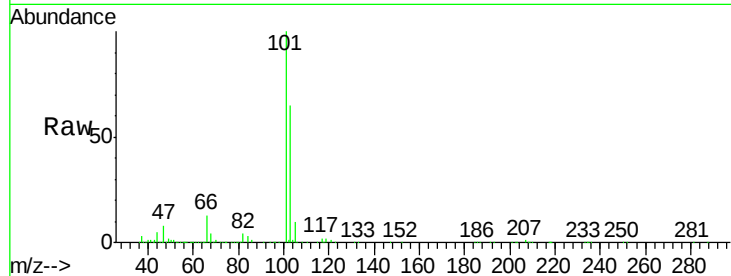


#7

Trichlorofluoromethane
 Concen: 19.13 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampled :

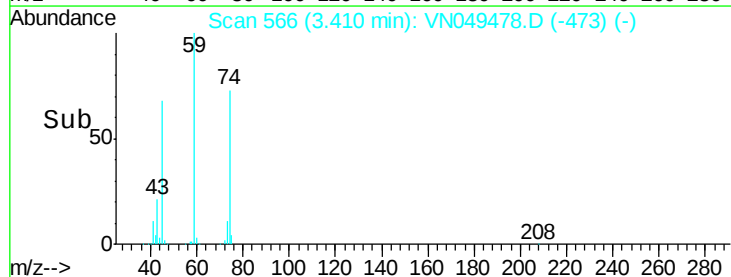
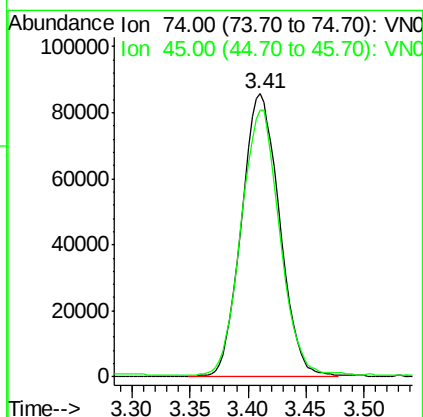
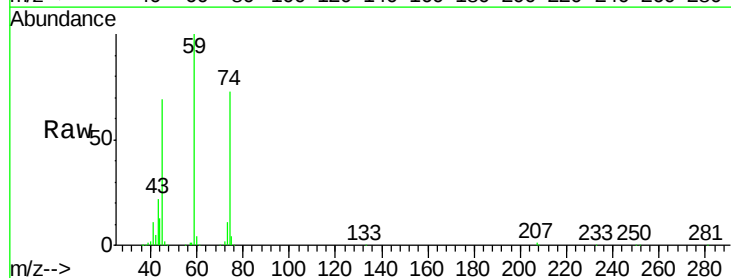
Tot Ion:101 Resp: 543341
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.7 77.5



#8

Diethyl Ether
 Concen: 19.82 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion: 74 Resp: 196512
 Ion Ratio Lower Upper
 74 100
 45 94.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.76 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

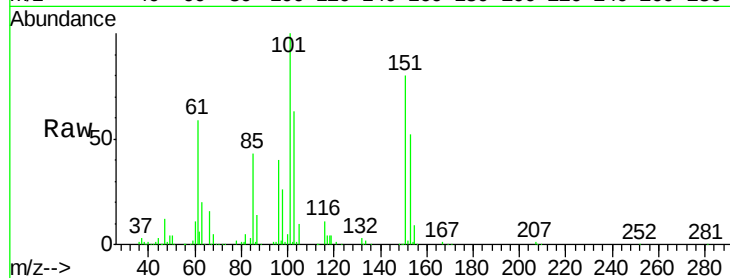
Tot Ion:101 Resp: 337968

Ion Ratio Lower Upper

101 100

85 42.6 37.6 56.4

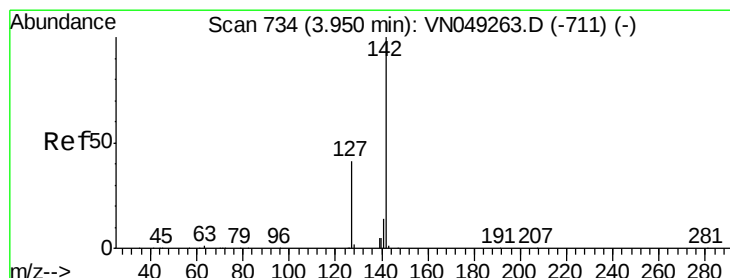
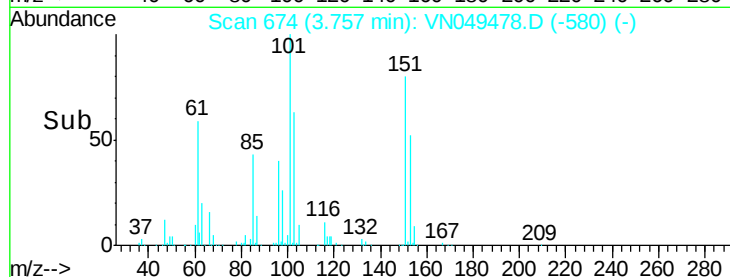
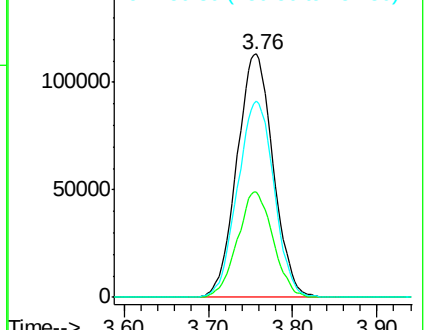
151 81.3 61.1 91.7



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: 19.40 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

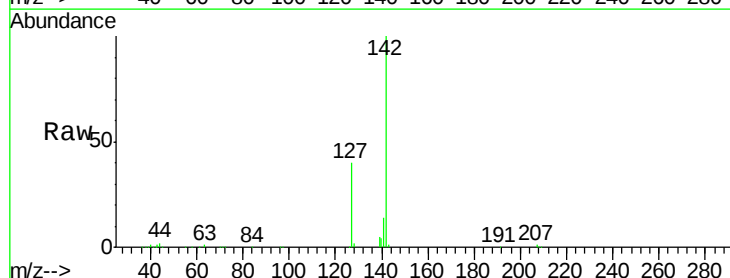
Tgt Ion:142 Resp: 363744

Ion Ratio Lower Upper

142 100

127 41.4 38.2 57.4

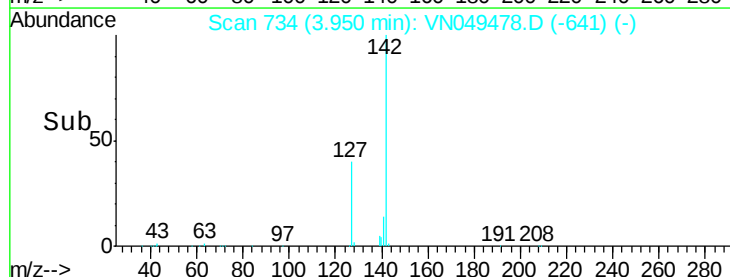
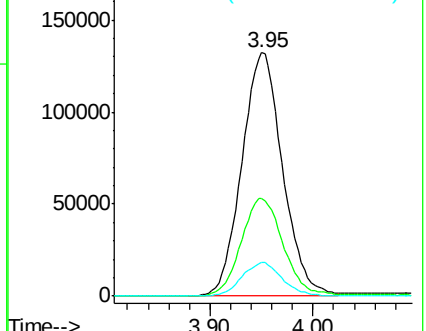
141 13.7 11.9 17.9

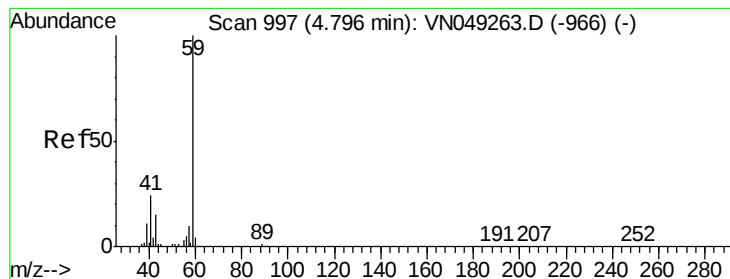


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



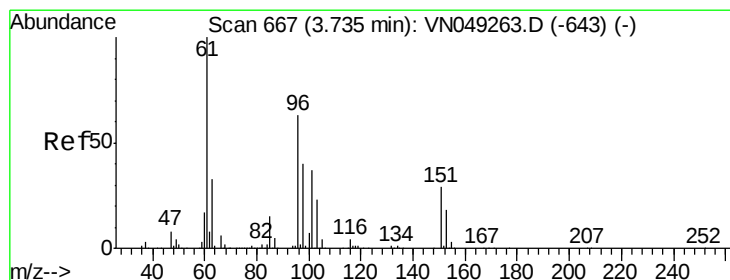
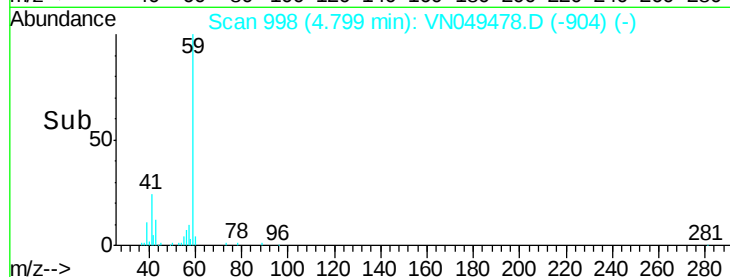
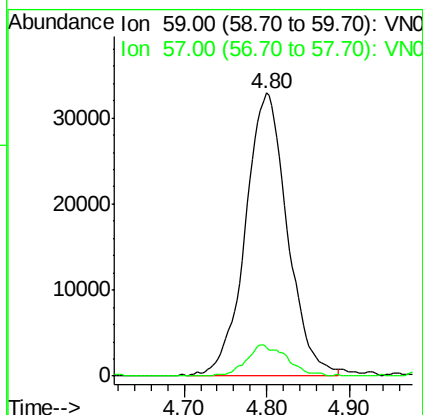
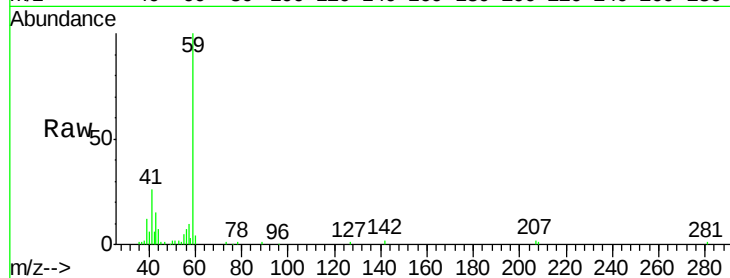


#11

Tert butyl alcohol
 Concen: 103.37 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :

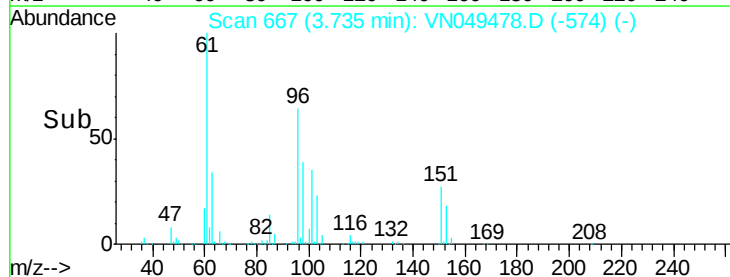
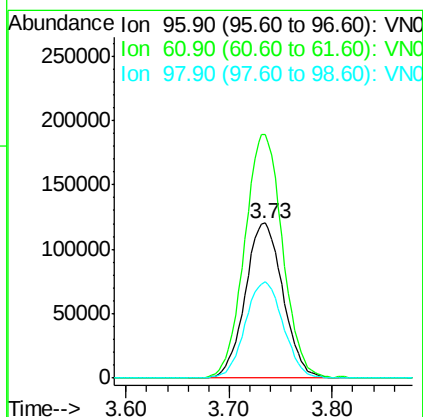
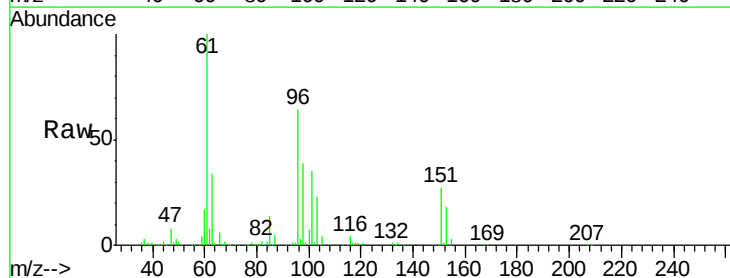
Tot Ion: 59 Resp: 115989
 Ion Ratio Lower Upper
 59 100
 57 10.7 9.0 13.6

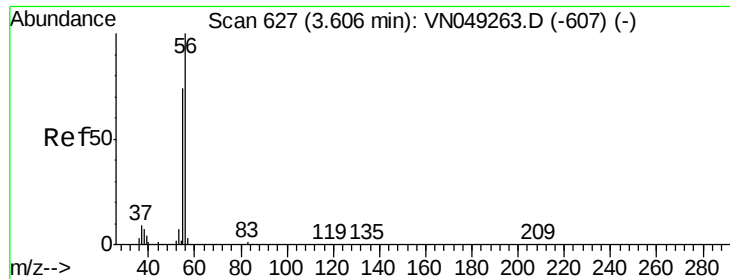


#12

1,1-Dichloroethene
 Concen: 18.40 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion: 96 Resp: 304067
 Ion Ratio Lower Upper
 96 100
 61 157.0 141.0 211.4
 98 61.9 50.4 75.6





#13

Acrolein

Concen: 100.14 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

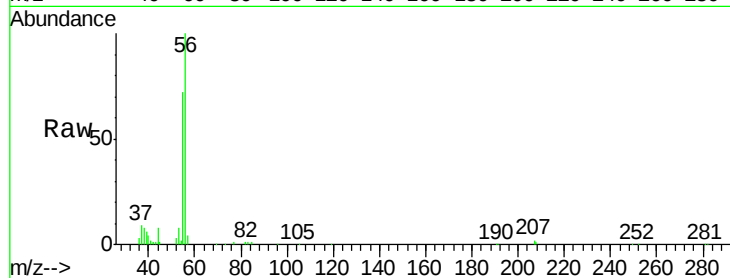
ClientSampled :

Tot Ion: 56 Resp: 117835

Ion Ratio Lower Upper

56 100

55 71.2 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

50000

40000

30000

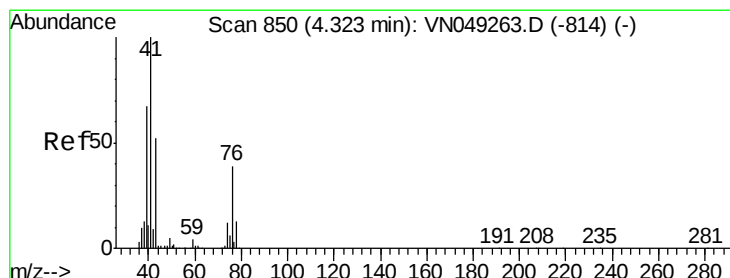
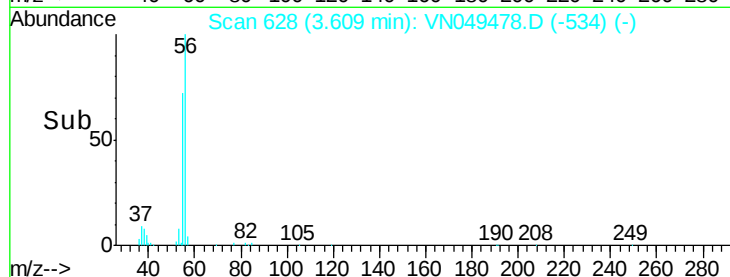
20000

10000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.08 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

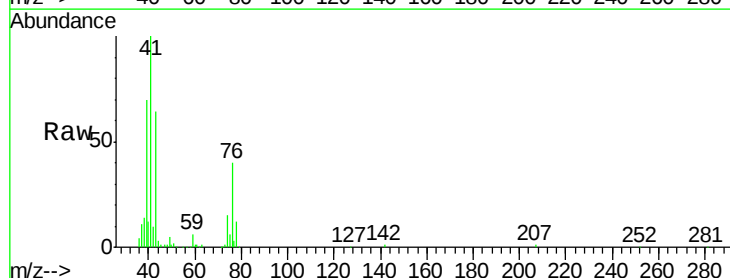
Tgt Ion: 41 Resp: 497825

Ion Ratio Lower Upper

41 100

39 66.2 62.5 93.7

76 36.7 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

200000

150000

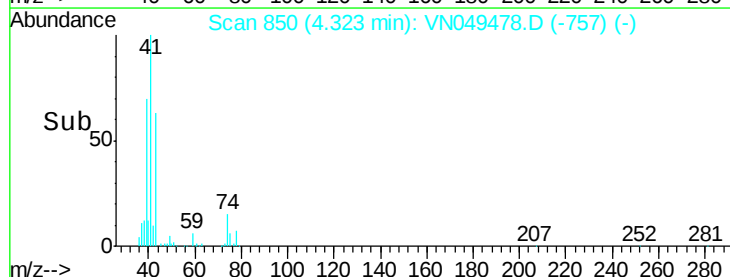
100000

50000

0

Time-->

4.20 4.30 4.40

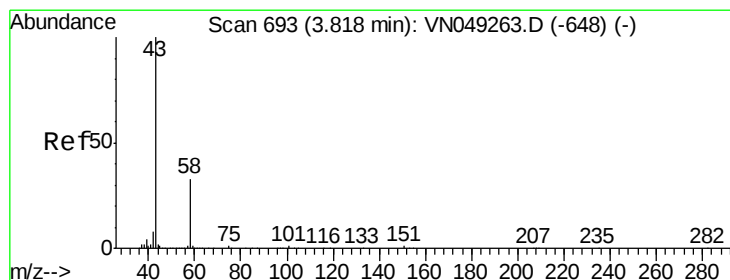
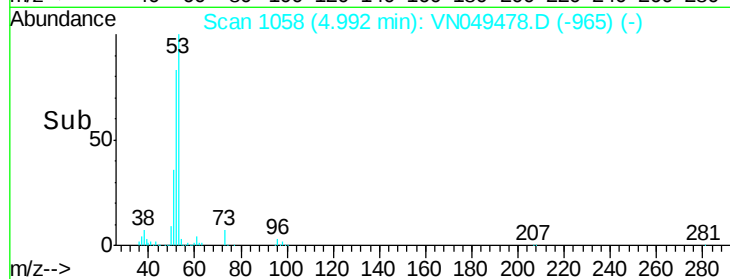
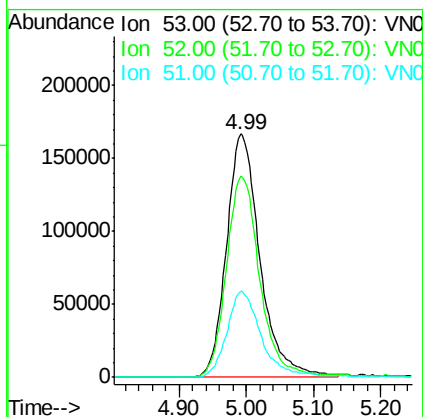
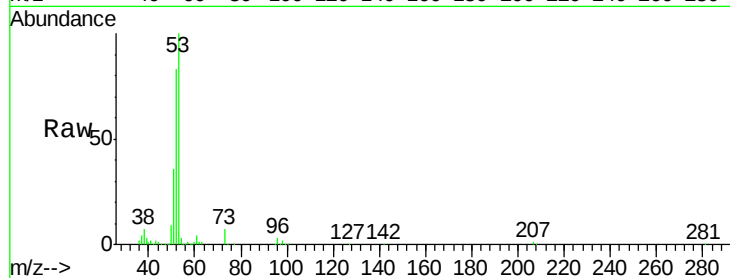




#15
 Acrylonitrile
 Concen: 103.19 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

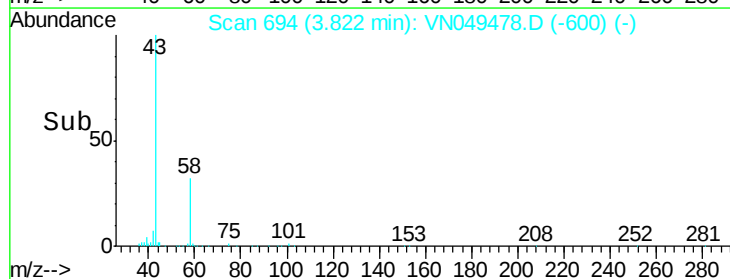
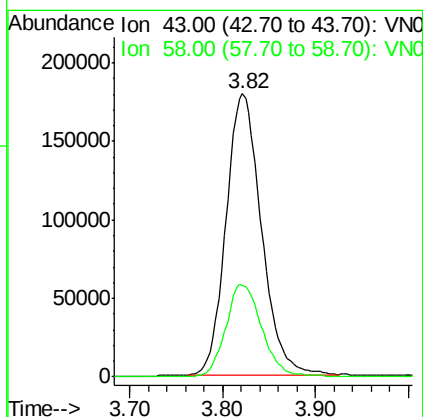
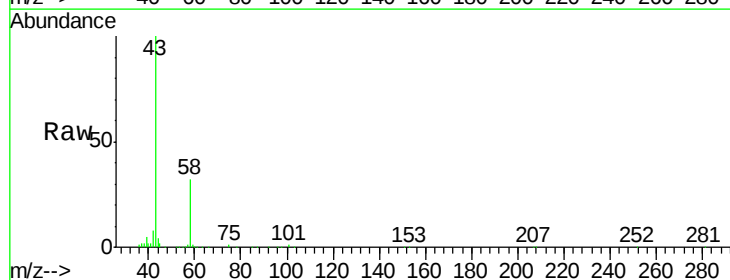
Instrument :
 MSVOA_N
 ClientSampled :

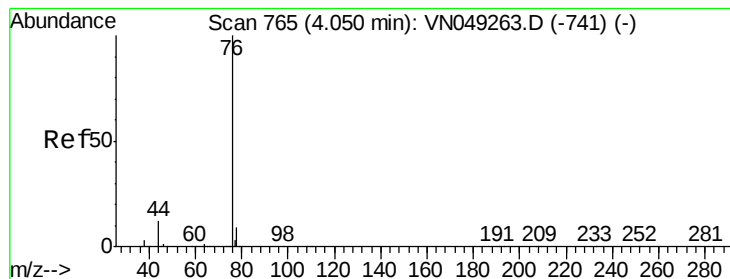
Tot Ion	53	Resp	578961
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	100.0
51	35.4	29.8	44.8



#16
 Acetone
 Concen: 101.72 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	43	Resp	472172
Ion Ratio	Lower	Upper	
43	100		
58	32.5	22.4	33.6





#17

Carbon Disulfide

Concen: 17.01 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

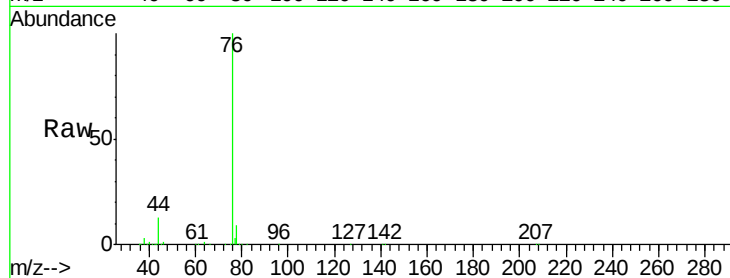
ClientSampleId :

Tot Ion: 76 Resp: 881131

Ion Ratio Lower Upper

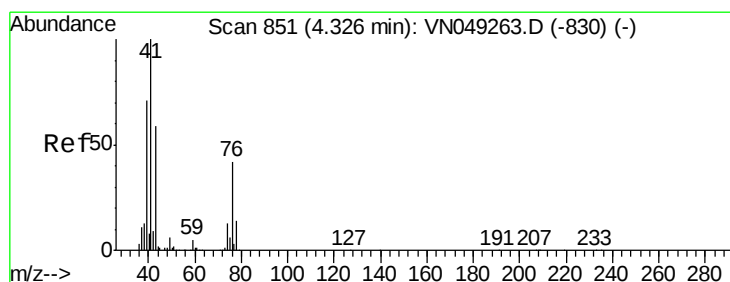
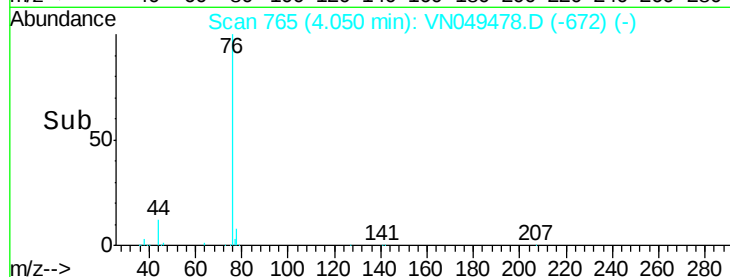
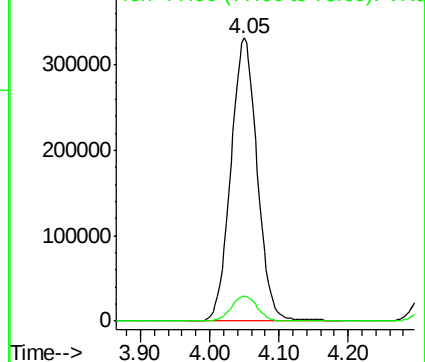
76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.77 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049478.D

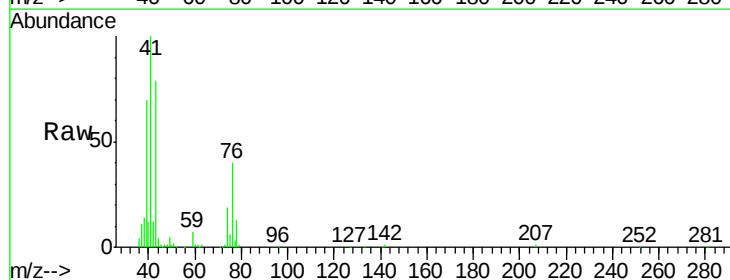
Acq: 21 Jun 2018 19:36

Tgt Ion: 43 Resp: 322309

Ion Ratio Lower Upper

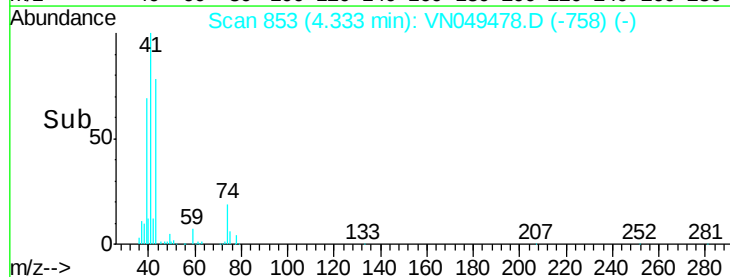
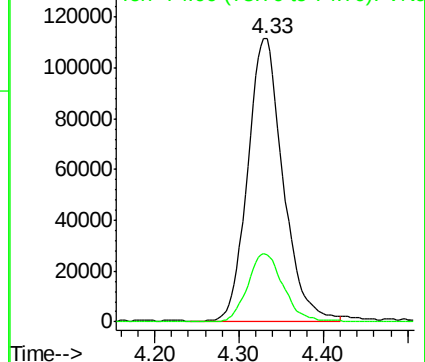
43 100

74 24.2 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

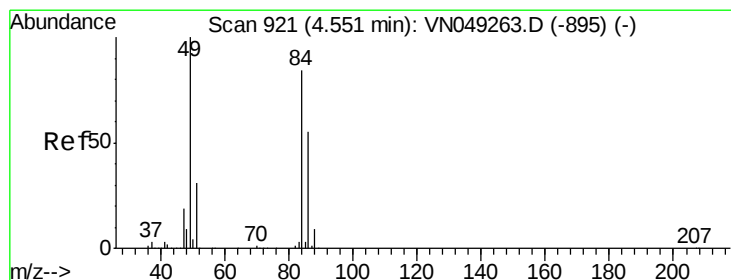
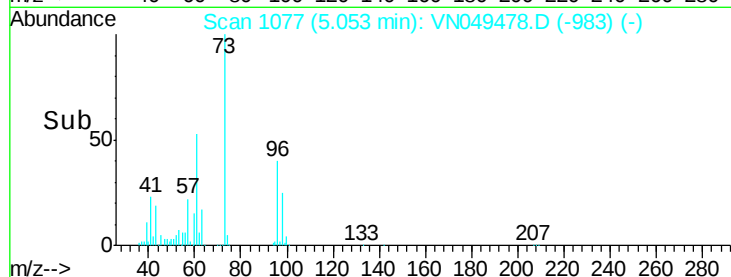
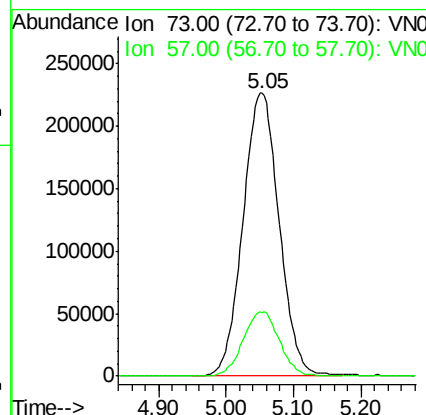
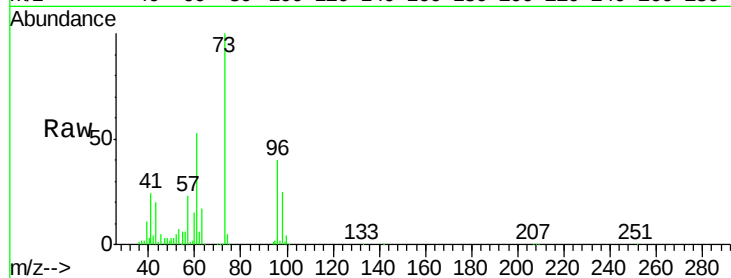




#19
Methyl tert-butyl Ether
Concen: 20.08 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

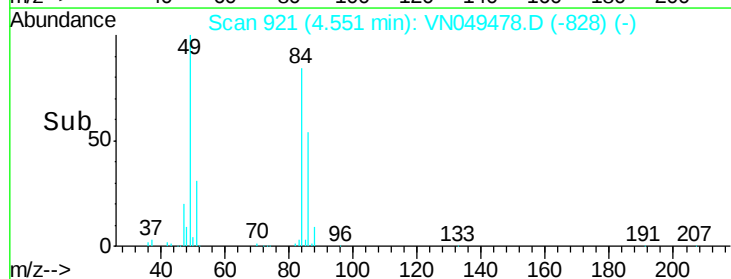
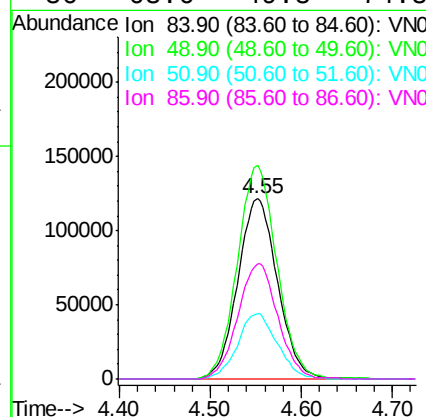
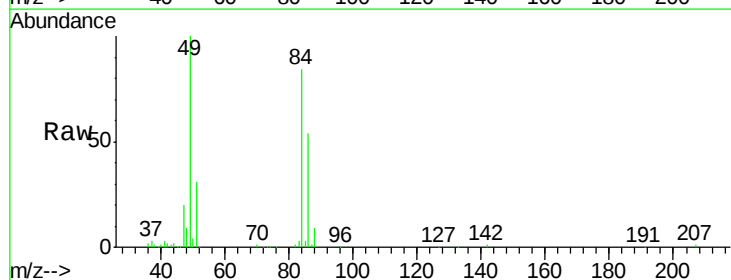
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 846223
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4



#20
Methylene Chloride
Concen: 19.01 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 84 Resp: 368515
Ion Ratio Lower Upper
84 100
49 118.2 106.9 160.3
51 36.4 32.7 49.1
86 63.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.51 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :

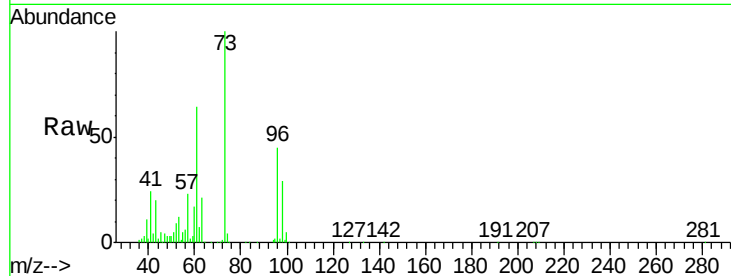
Tot Ion: 96 Resp: 323877

Ion Ratio Lower Upper

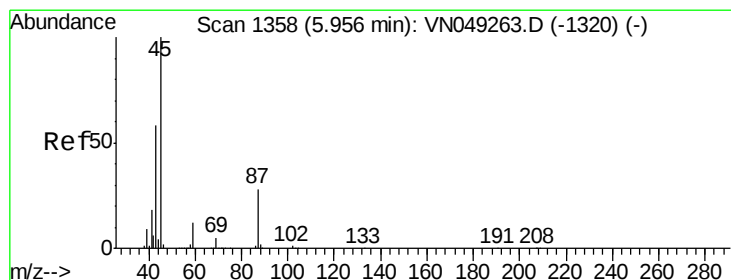
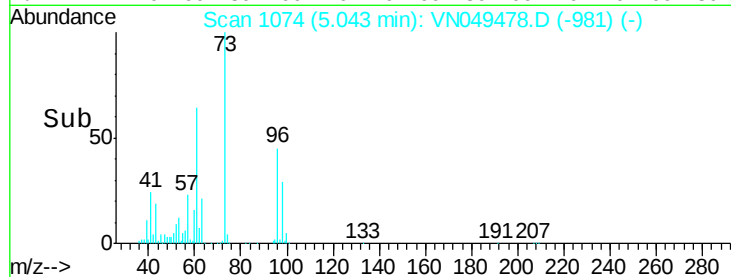
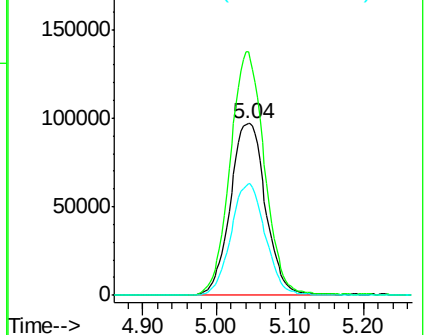
96 100

61 141.7 121.3 181.9

98 65.0 52.0 78.0



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



#22

Diisopropyl ether

Concen: 20.29 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion: 45 Resp: 1057108

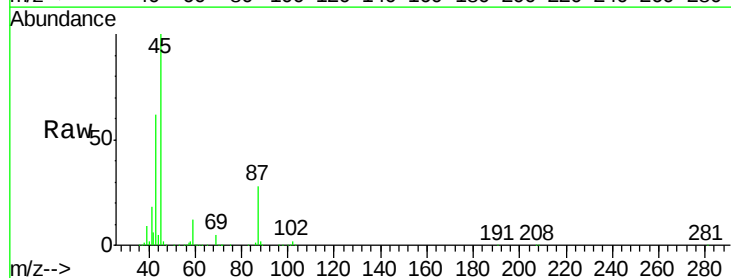
Ion Ratio Lower Upper

45 100

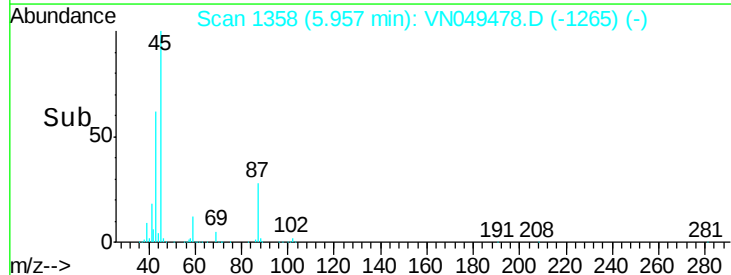
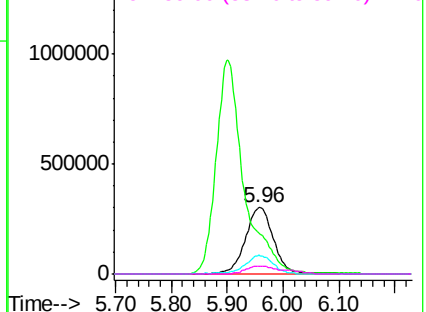
43 61.8 48.6 72.8

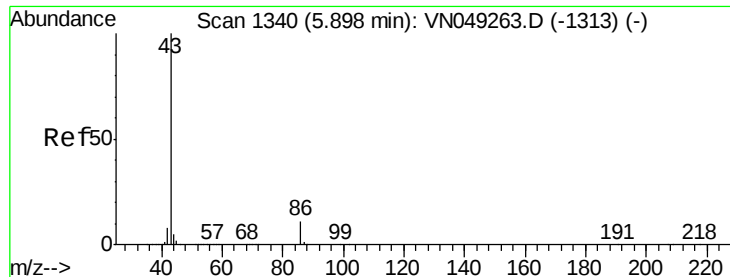
87 28.0 20.2 30.2

59 11.8 9.0 13.4



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





#23

Vinyl Acetate

Concen: 99.21 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

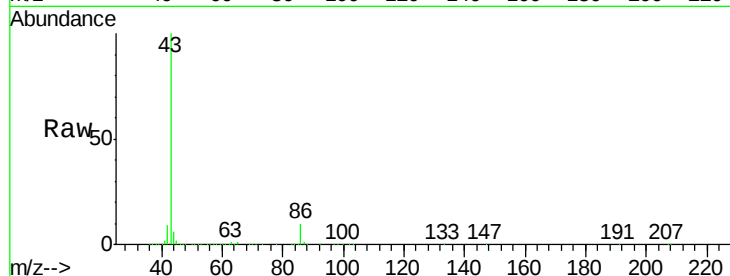
ClientSampled :

Tot Ion: 43 Resp: 3370391

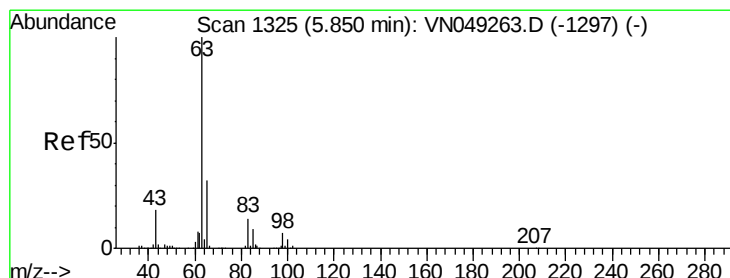
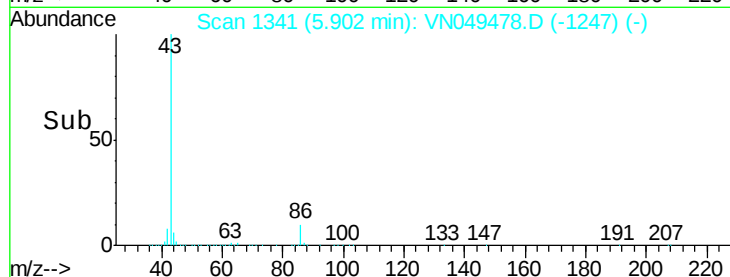
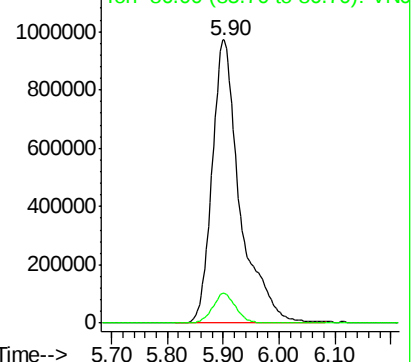
Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN049478.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 18.95 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

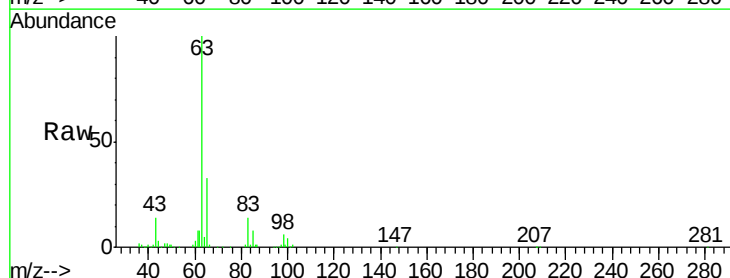
Tgt Ion: 63 Resp: 631999

Ion Ratio Lower Upper

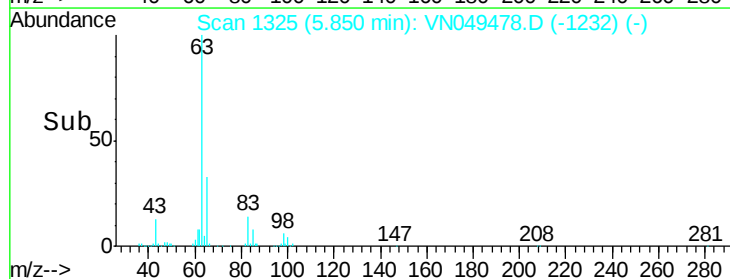
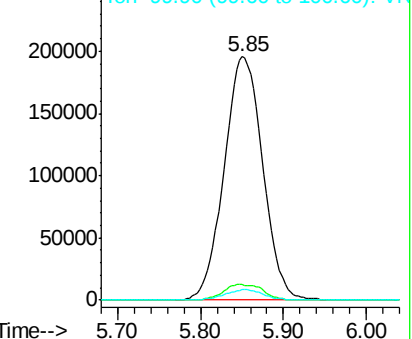
63 100

98 6.4 2.9 8.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049478.D (-1232) (-)





#25

2-Butanone

Concen: 104.97 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

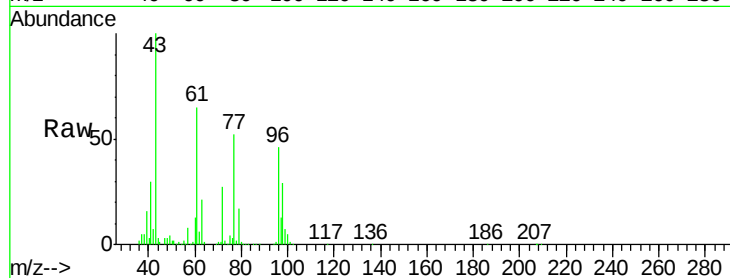
ClientSampled :

Tot Ion: 43 Resp: 654288

Ion Ratio Lower Upper

43 100

72 27.5 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

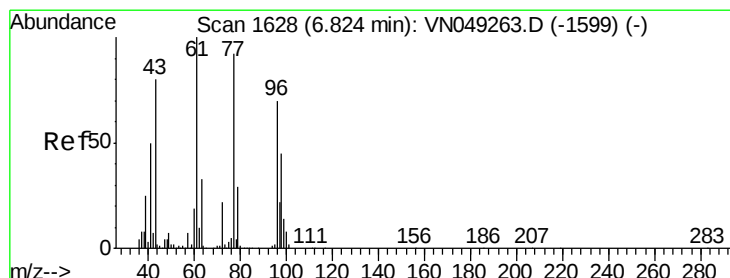
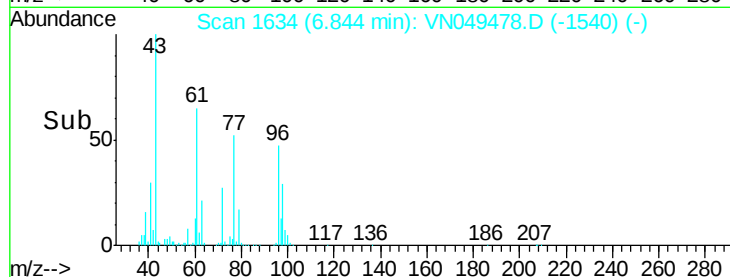
150000

100000

50000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 19.26 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049478.D

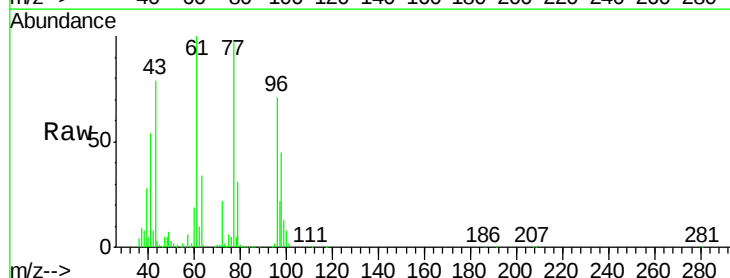
Acq: 21 Jun 2018 19:36

Tgt Ion: 77 Resp: 518771

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

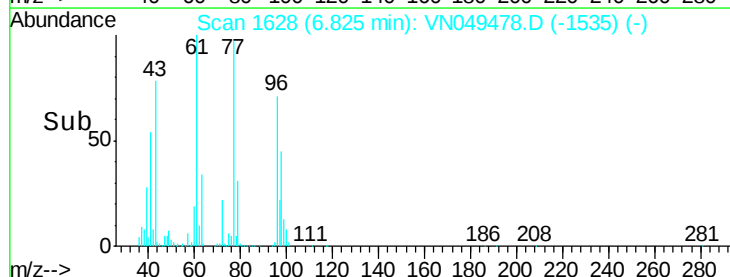
150000

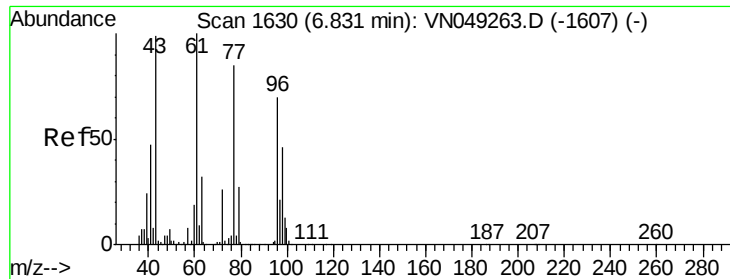
100000

50000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 19.22 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

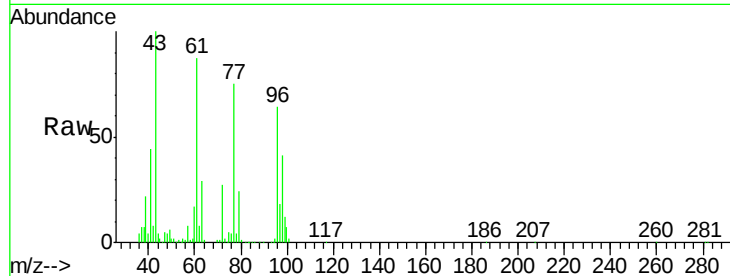
Tot Ion: 96 Resp: 373817

Ion Ratio Lower Upper

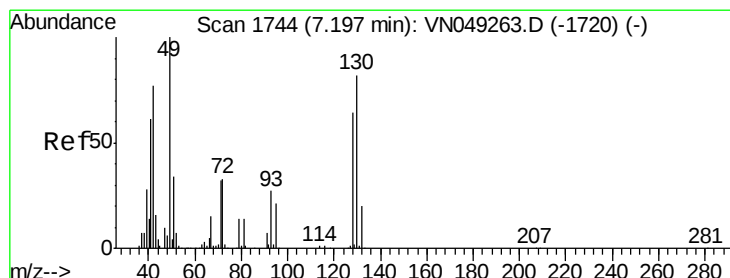
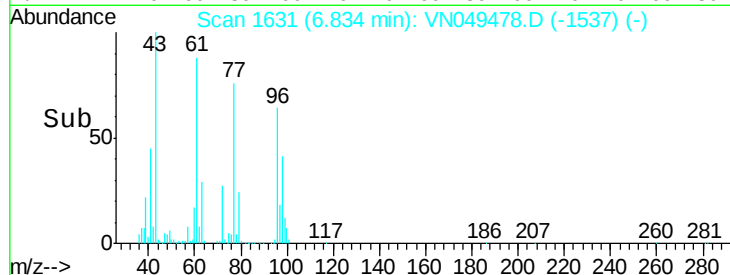
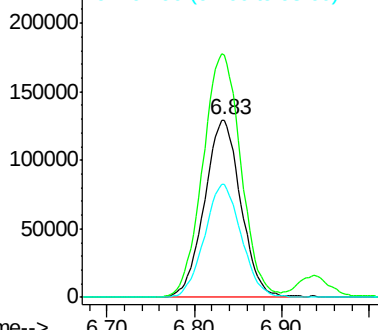
96 100

61 143.2 0.0 316.4

98 64.5 0.0 128.4



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



#28

Bromochloromethane

Concen: 18.11 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

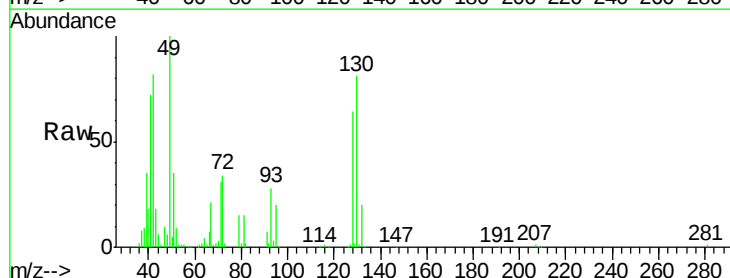
Tgt Ion: 49 Resp: 267760

Ion Ratio Lower Upper

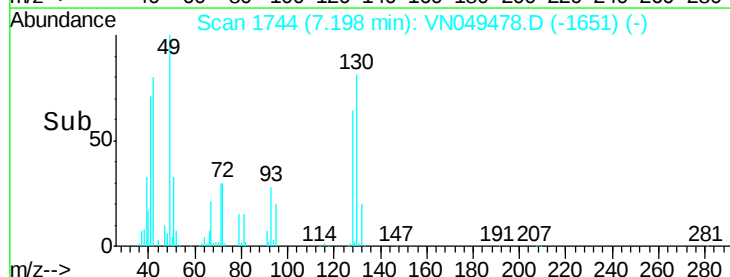
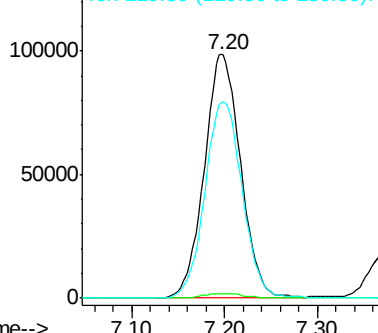
49 100

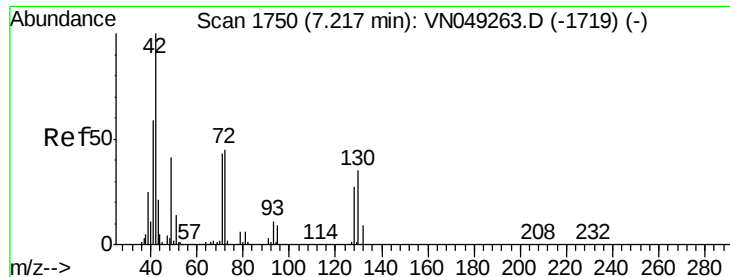
129 2.1 0.0 3.8

130 83.0 54.9 82.3#



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





#29

Tetrahydrofuran

Concen: 105.55 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

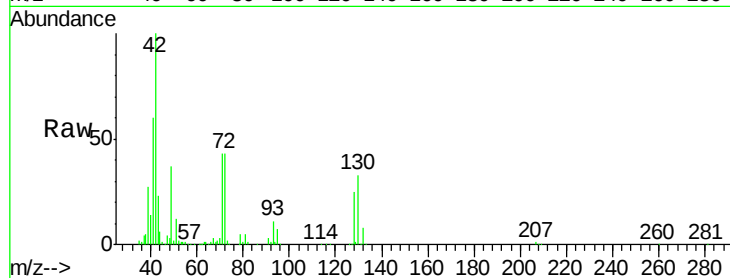
Tot Ion: 42 Resp: 423493

Ion Ratio Lower Upper

42 100

72 43.8 32.2 48.4

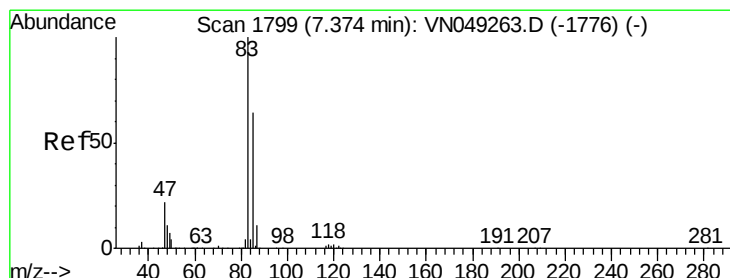
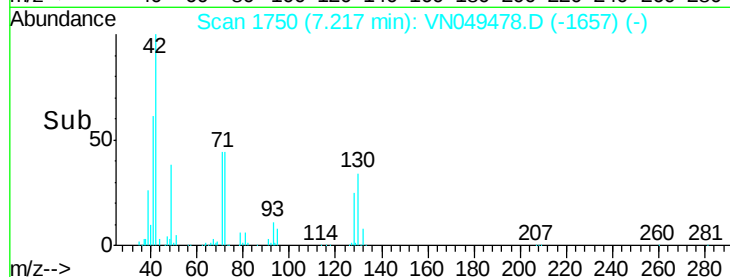
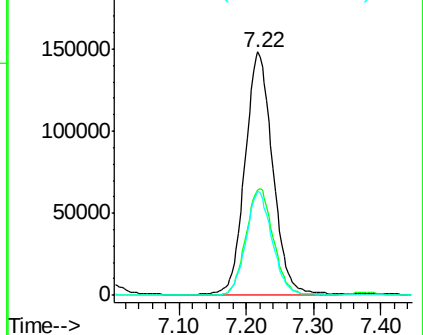
71 40.6 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.24 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049478.D

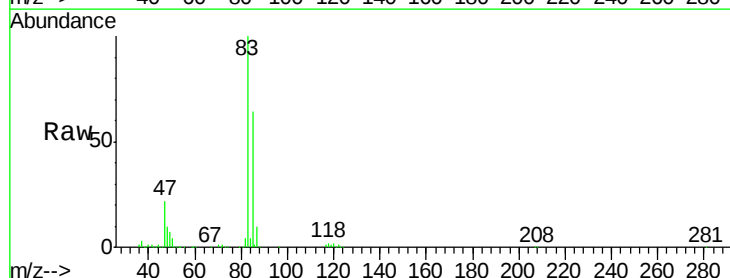
Acq: 21 Jun 2018 19:36

Tgt Ion: 83 Resp: 638679

Ion Ratio Lower Upper

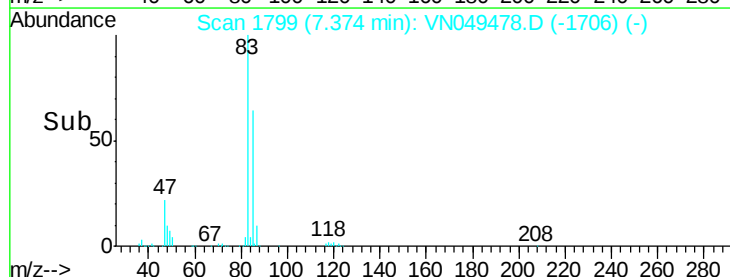
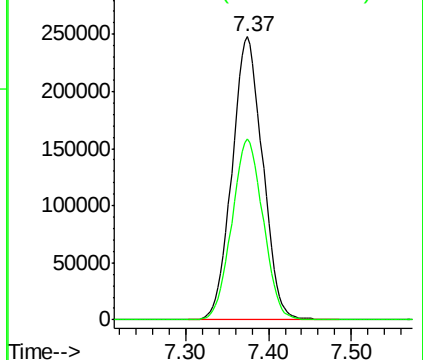
83 100

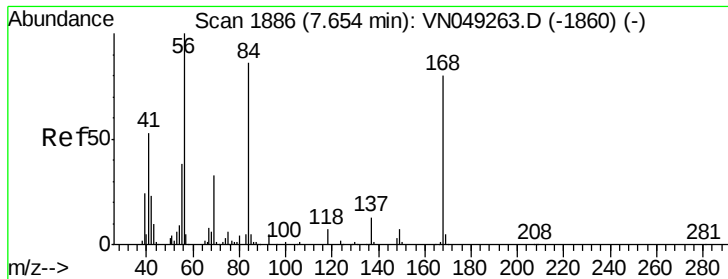
85 63.8 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

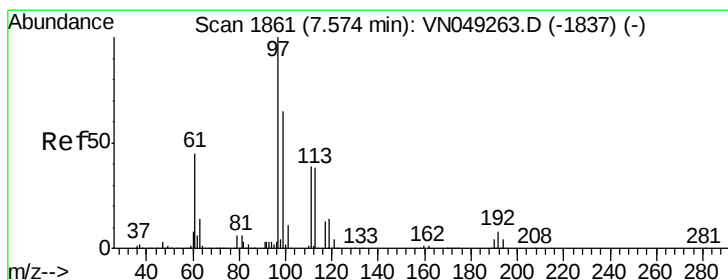
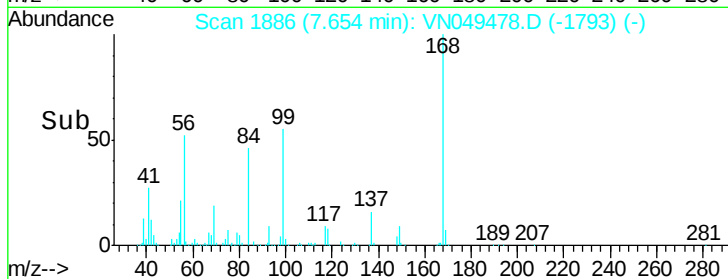
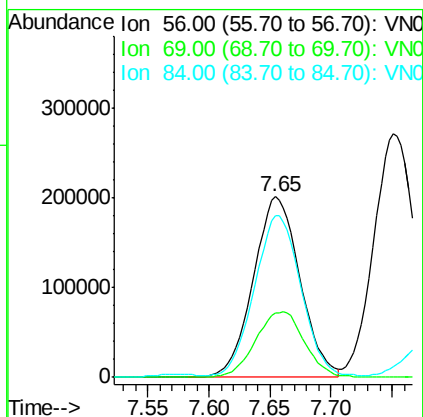
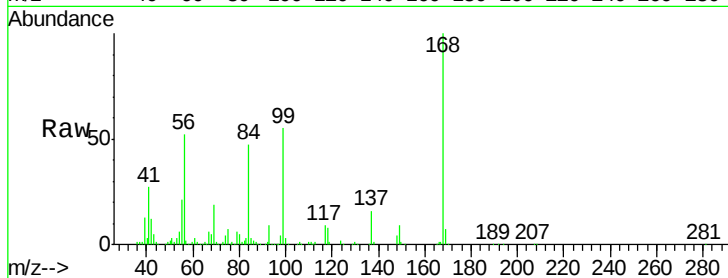




#31
Cyclohexane
Concen: 18.83 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

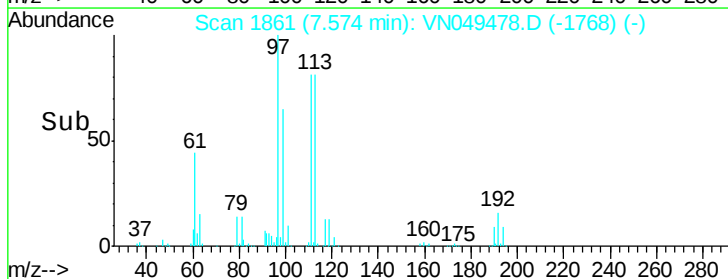
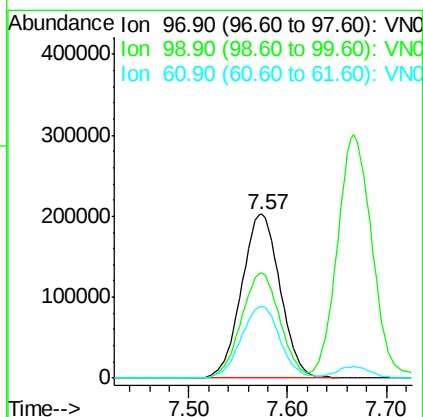
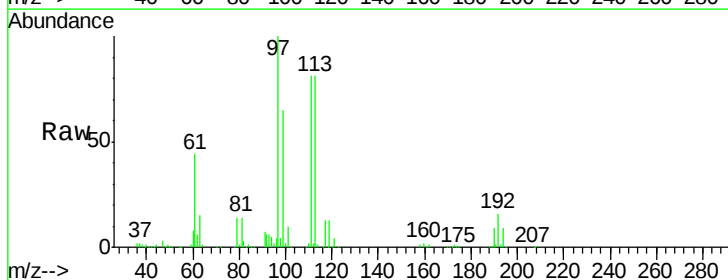
Instrument :
MSVOA_N
ClientSampled :

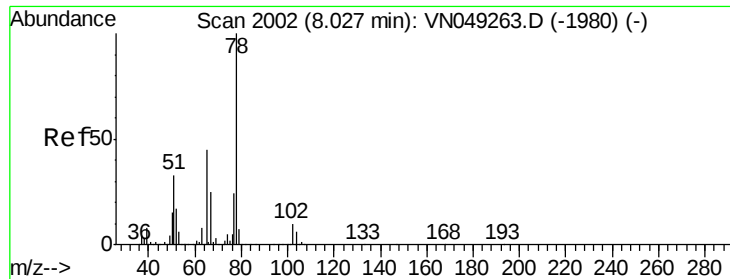
Tot Ion	56	Resp	535541
Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.0	37.4
84	88.5	64.6	96.8



#32
1,1,1-Trichloroethane
Concen: 19.31 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	97	Resp	547036
Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.5	75.7
61	44.3	37.9	56.9

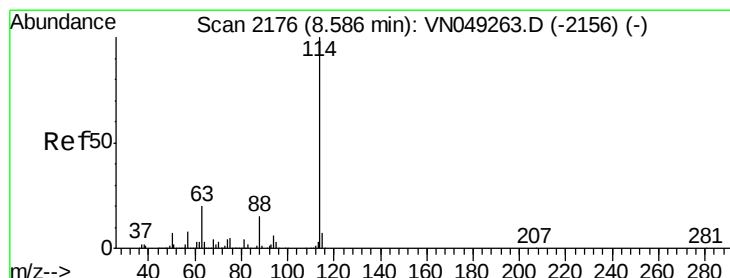
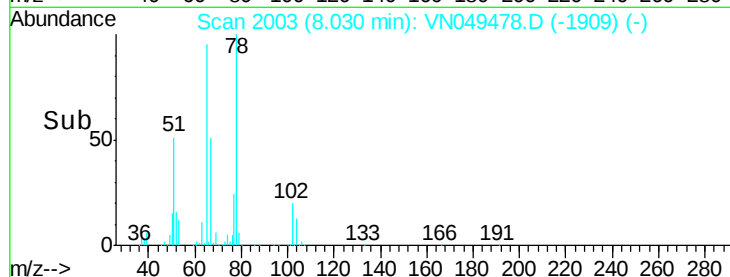
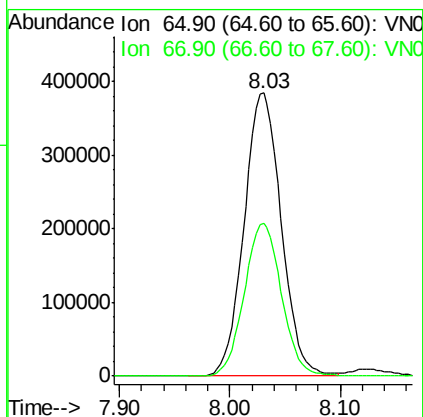
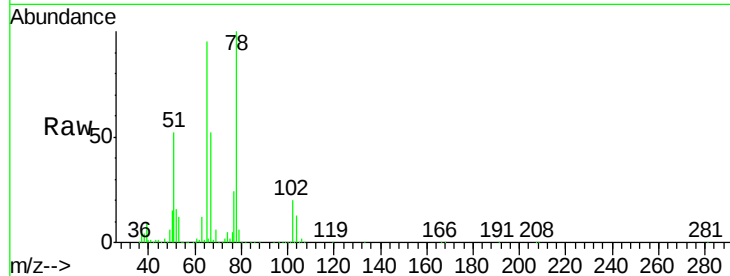




#33
 1,2-Dichloroethane-d4
 Concen: 46.92 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

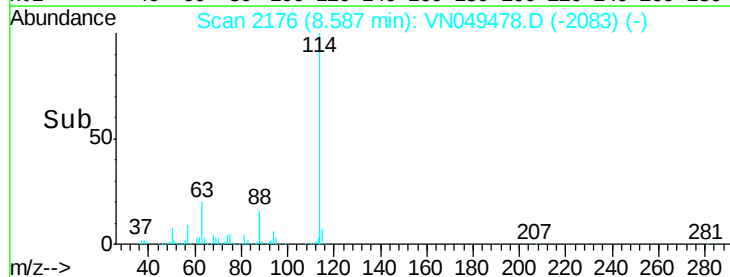
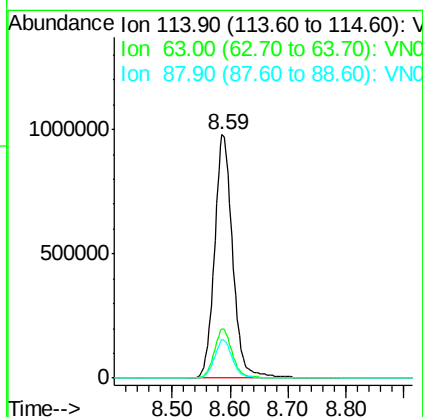
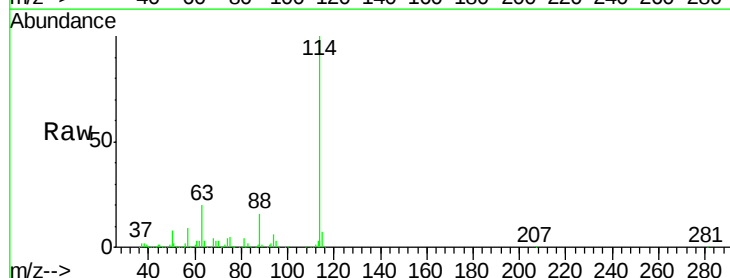
Instrument :
 MSVOA_N
 ClientSampleId :

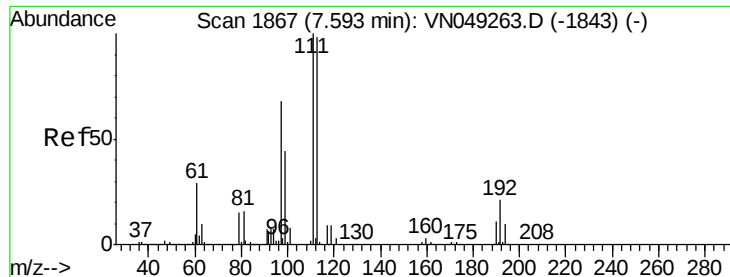
Tot Ion: 65 Resp: 897085
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion: 114 Resp: 2133070
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 44.4
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.37 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

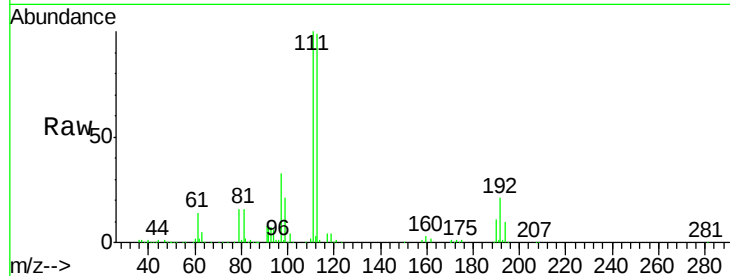
Tot Ion:113 Resp: 800211

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

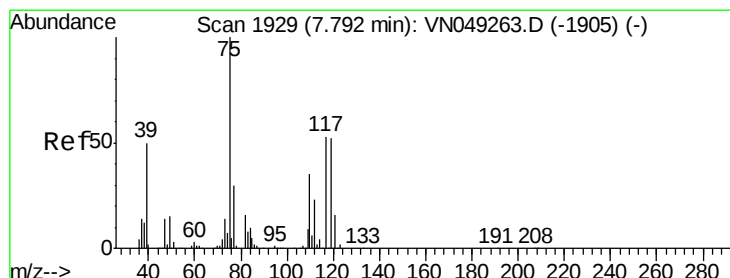
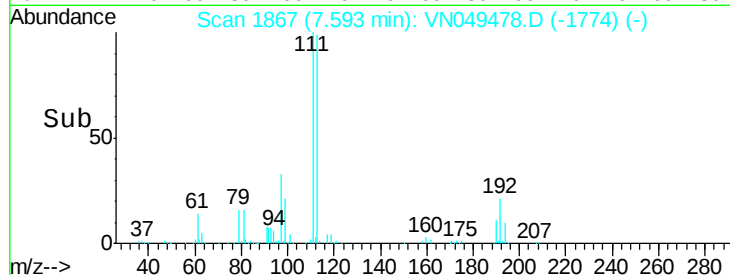
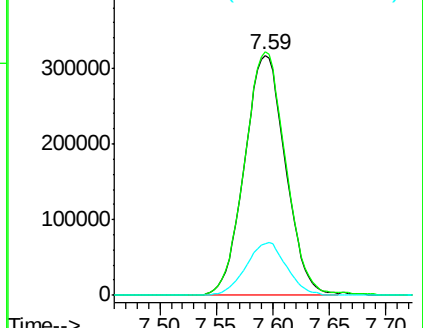
192 21.8 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.05 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

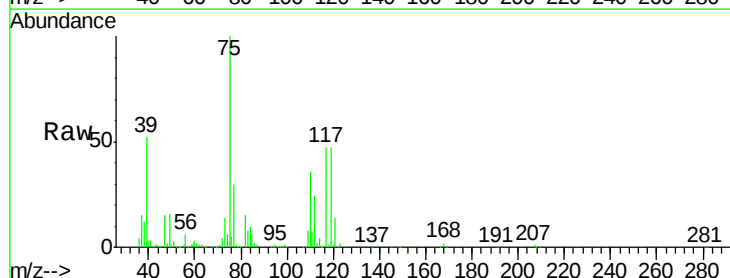
Tgt Ion: 75 Resp: 465621

Ion Ratio Lower Upper

75 100

110 36.3 17.0 50.9

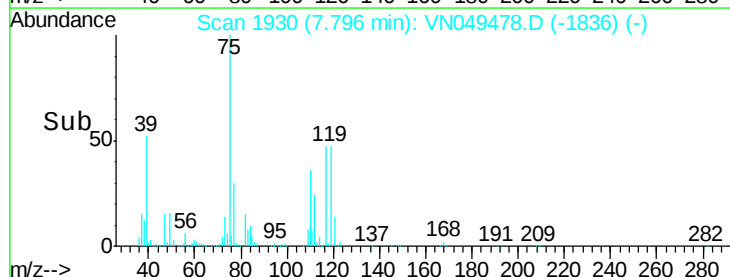
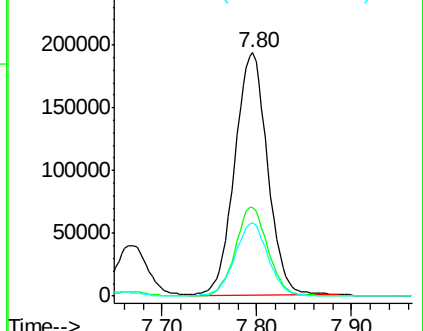
77 30.3 24.4 36.6

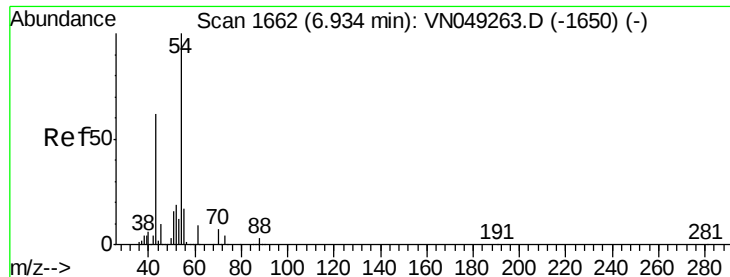


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

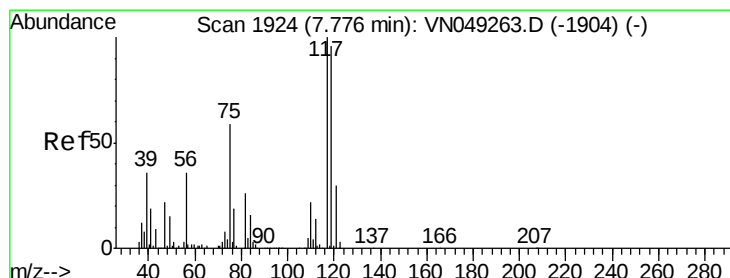
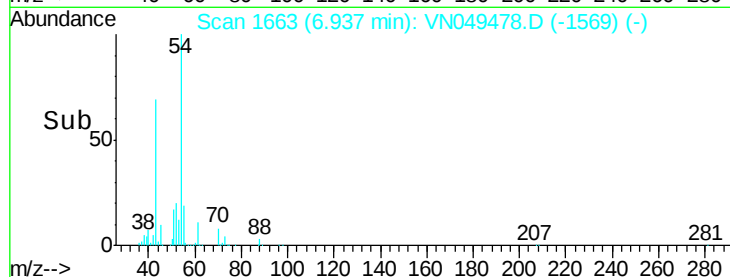
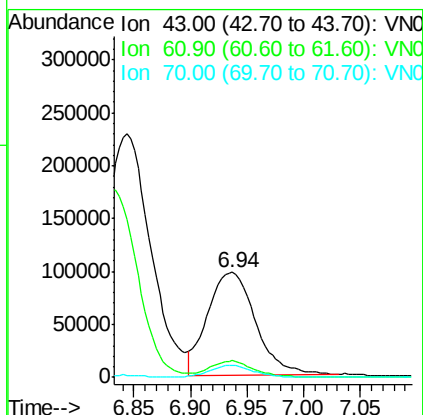
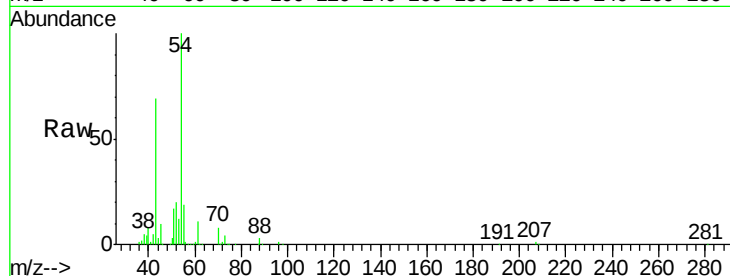




#37
Ethyl Acetate
Concen: 21.55 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

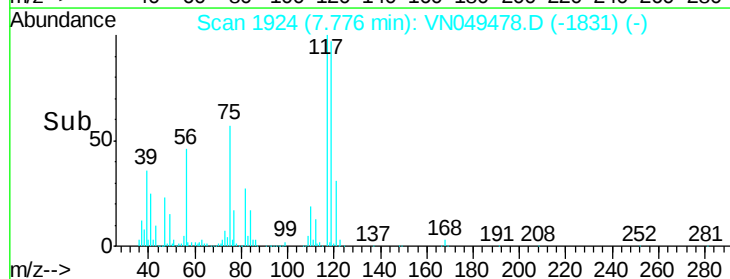
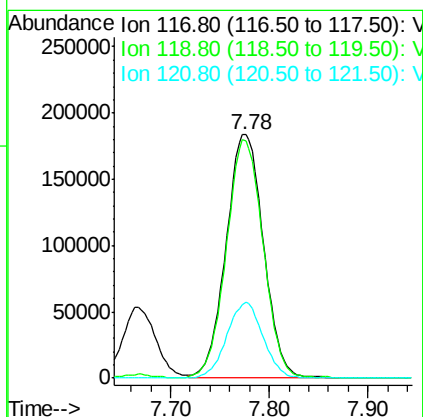
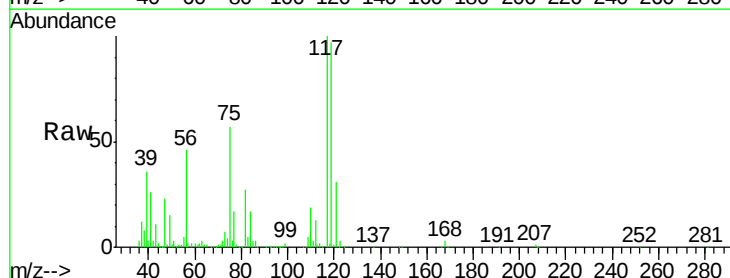
Instrument :
MSVOA_N
ClientSampleId :

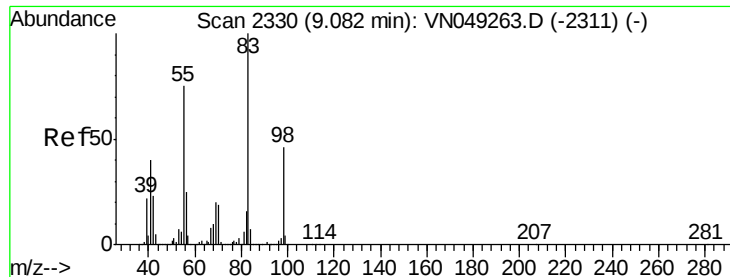
Tot Ion: 43 Resp: 286361
Ion Ratio Lower Upper
43 100
61 14.3 11.0 16.4
70 10.9 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 117 Resp: 483144
Ion Ratio Lower Upper
117 100
119 97.4 75.6 113.4
121 31.1 24.7 37.1

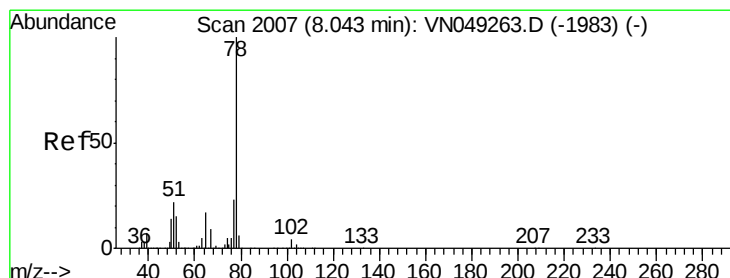
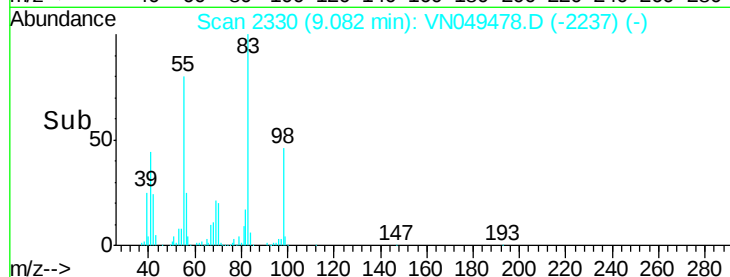
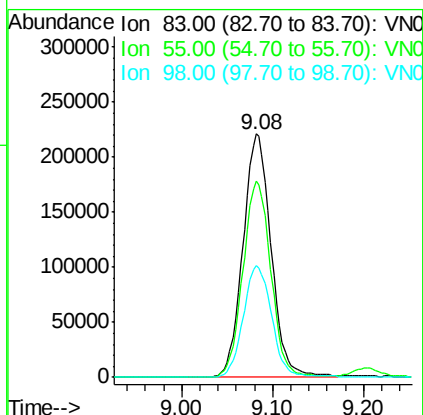
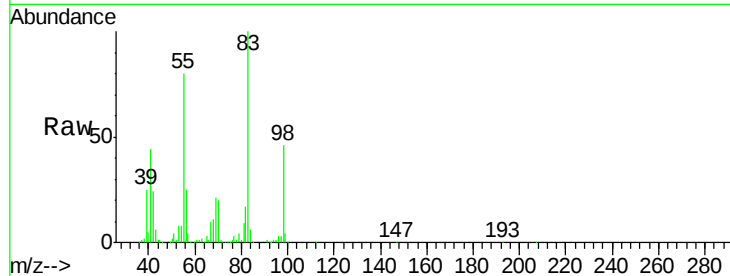




#39
Methvlcvclohexane
Concen: 18.15 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

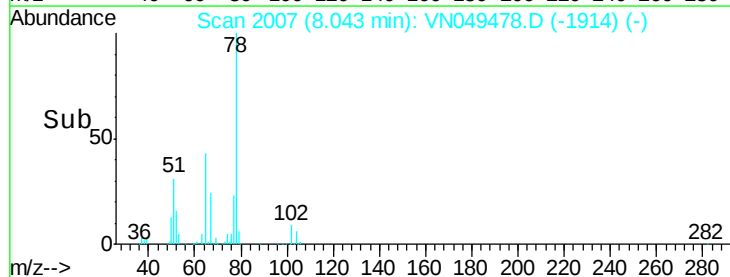
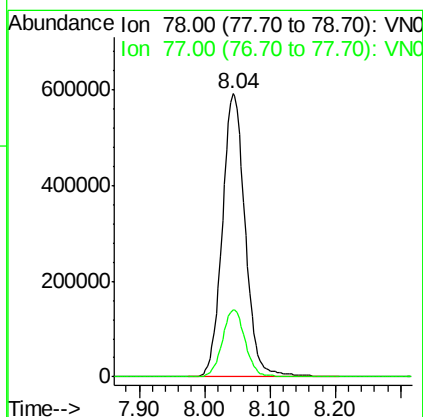
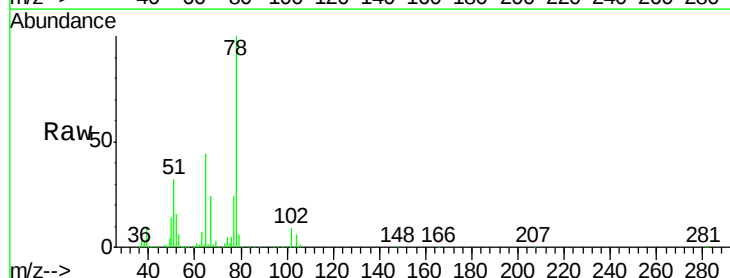
Instrument :
MSVOA_N
ClientSampleId :

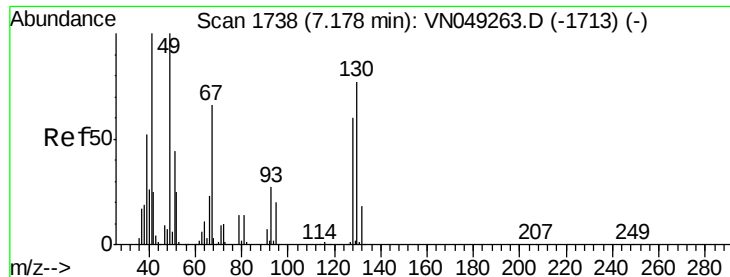
Tot Ion: 83 Resp: 476250
Ion Ratio Lower Upper
83 100
55 80.5 65.1 97.7
98 45.7 36.5 54.7



#40
Benzene
Concen: 19.21 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 78 Resp: 1439857
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0

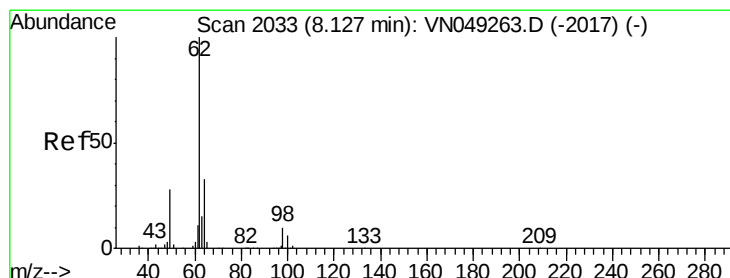
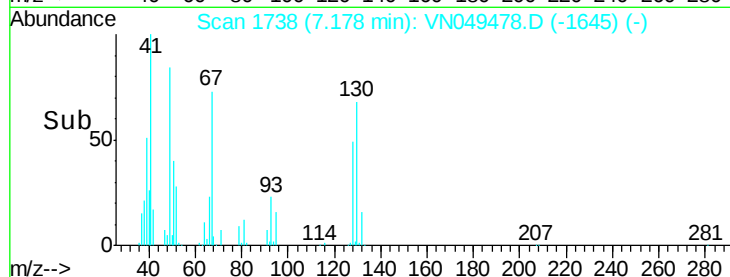
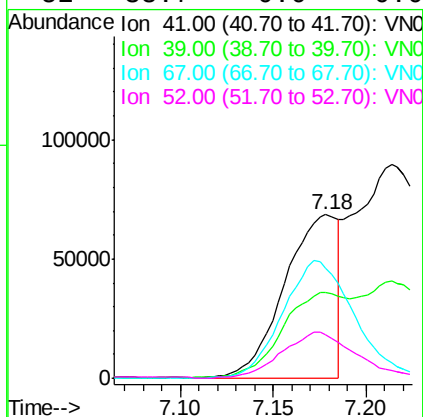
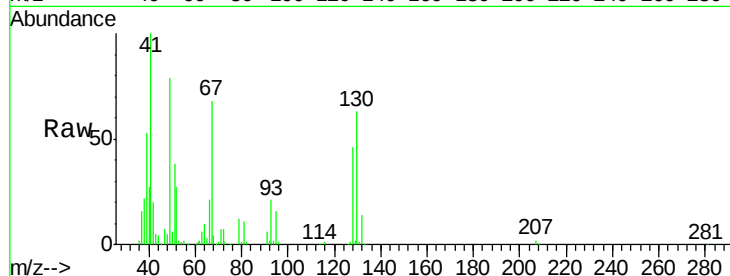




#41
Methacrylonitrile
Concen: 19.04 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

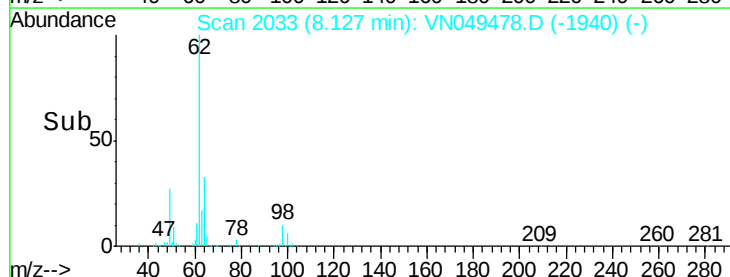
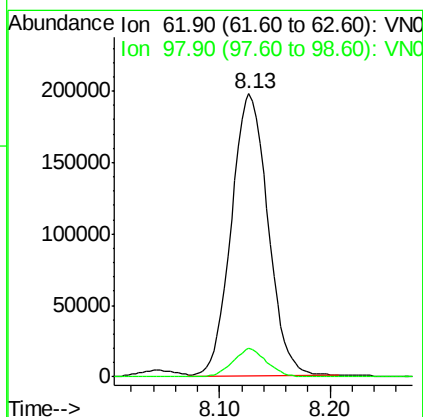
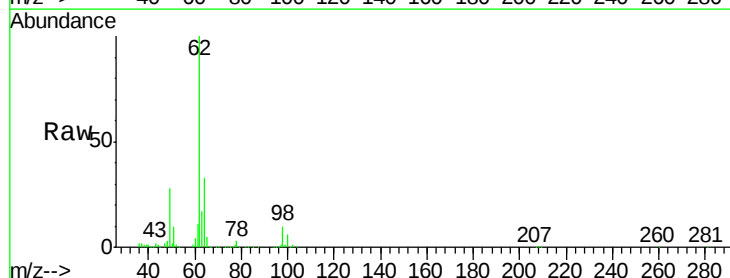
Instrument :
MSVOA_N
ClientSampled :

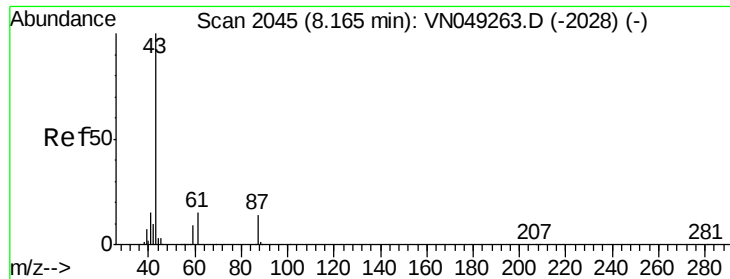
Tot Ion: 41 Resp: 136774
Ion Ratio Lower Upper
41 100
39 62.7 0.0 0.0#
67 98.2 0.0 0.0#
52 38.7 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.66 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 62 Resp: 455221
Ion Ratio Lower Upper
62 100
98 9.4 0.0 16.2



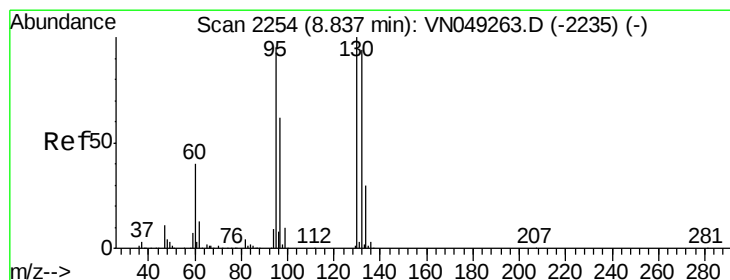
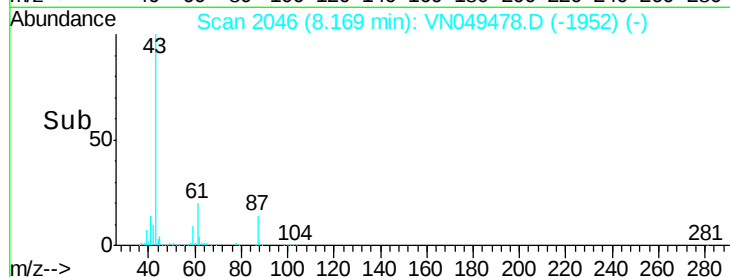
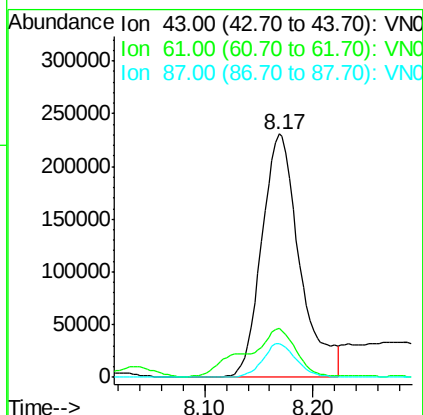
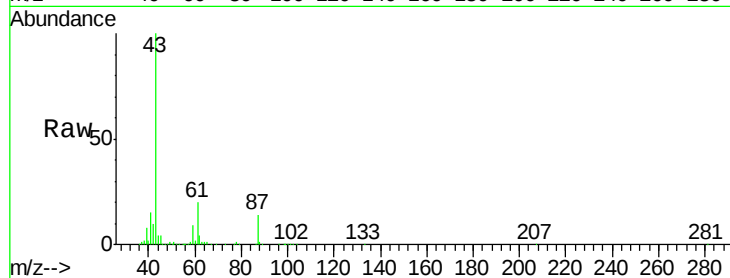


#43

Isopropyl Acetate
 Concen: 22.12 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :

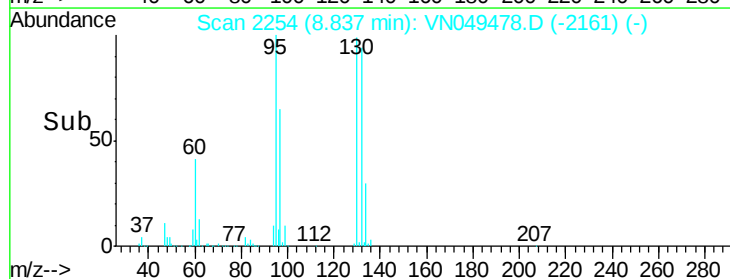
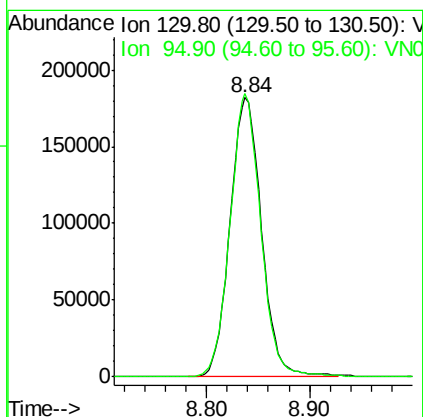
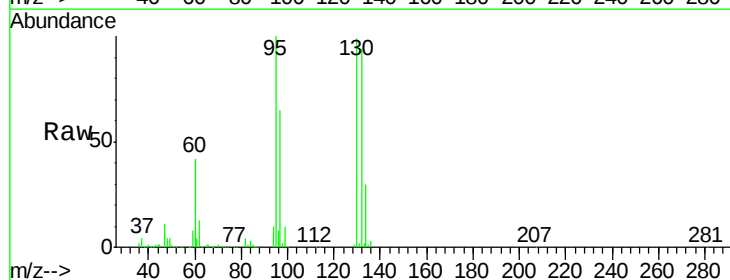
Tot Ion	43	Resp	561615
Ion Ratio	100		
Lower	14.2		
Upper	21.4		
61	16.6		
87	12.3		
	9.4		



#44

Trichloroethene
 Concen: 19.54 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	130	Resp	386719
Ion Ratio	100		
Lower	0.0		
Upper	208.6		
95	101.4		





#45

1,2-Dichloropropane

Concen: 19.48 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

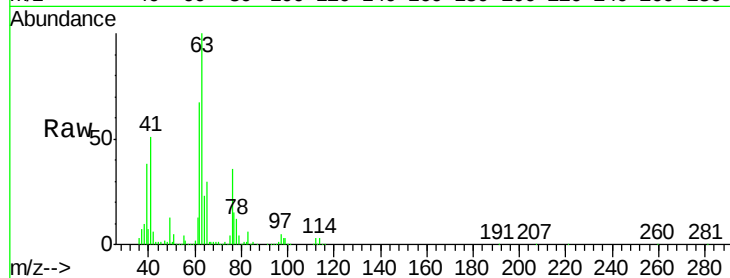
ClientSampled :

Tot Ion: 63 Resp: 382192

Ion Ratio Lower Upper

63 100

65 30.4 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

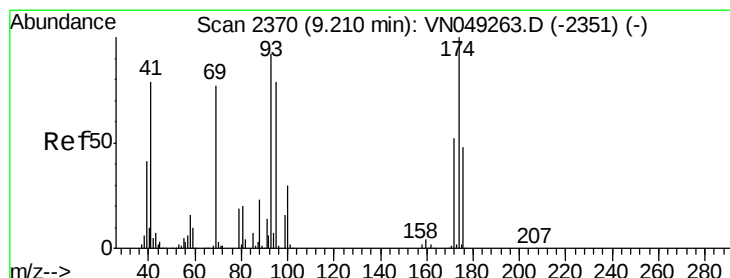
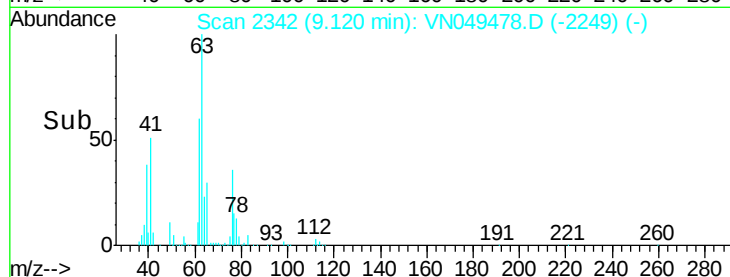
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.84 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

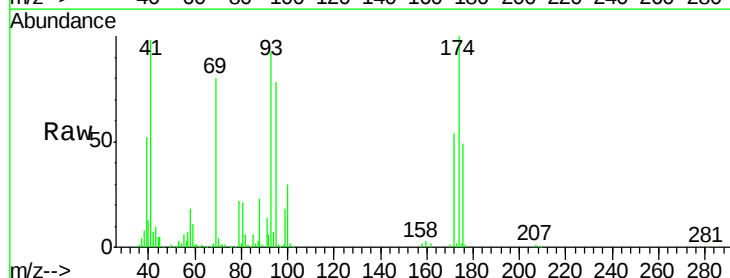
Tgt Ion: 93 Resp: 225720

Ion Ratio Lower Upper

93 100

95 82.6 67.2 100.8

174 108.2 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

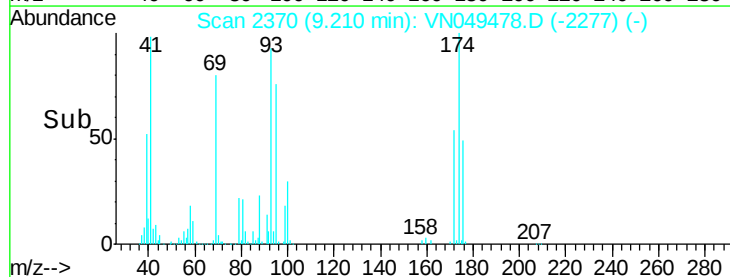
150000

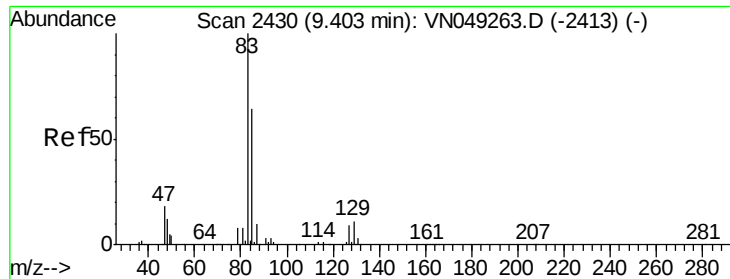
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 19.41 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

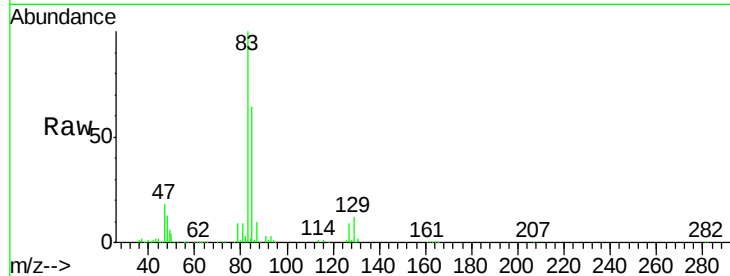
Tot Ion: 83 Resp: 485245

Ion Ratio Lower Upper

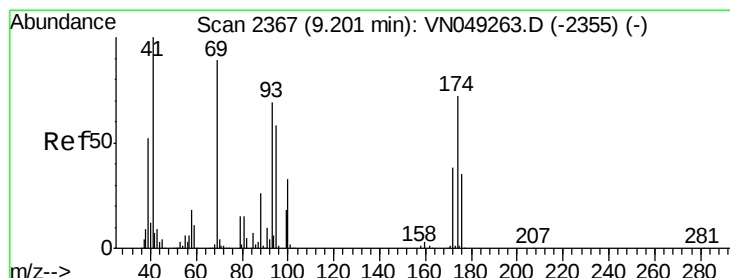
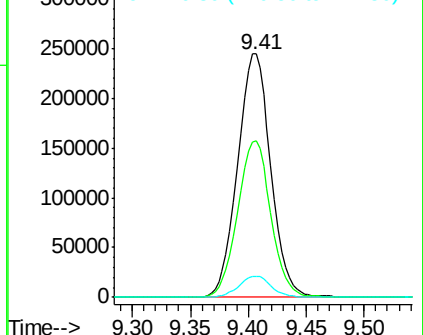
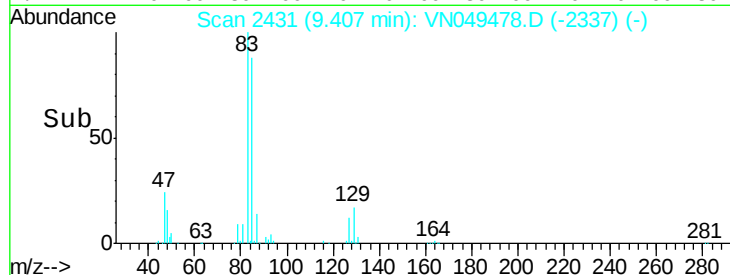
83 100

85 64.4 49.4 74.0

127 8.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049478.D (-2337) (-)



#48

Methyl methacrylate

Concen: 21.56 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

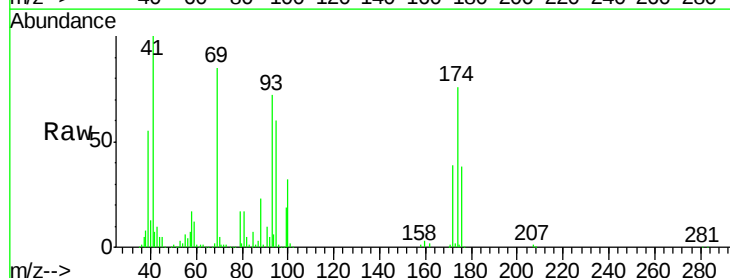
Tgt Ion: 41 Resp: 257840

Ion Ratio Lower Upper

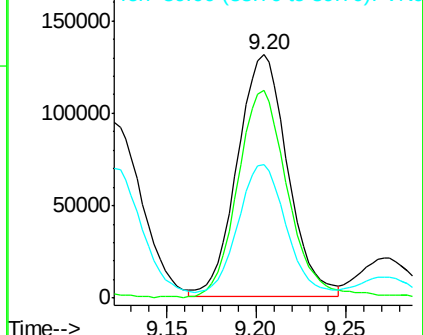
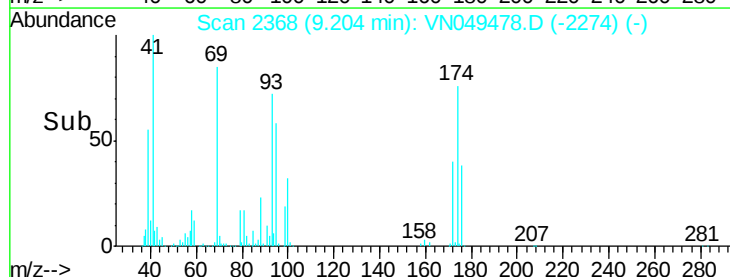
41 100

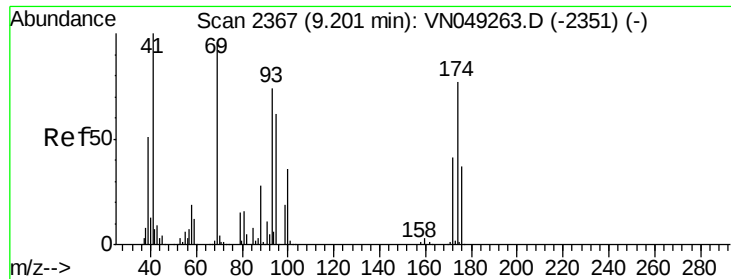
69 85.8 62.0 93.0

39 54.0 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VN049478.D (-2274) (-)

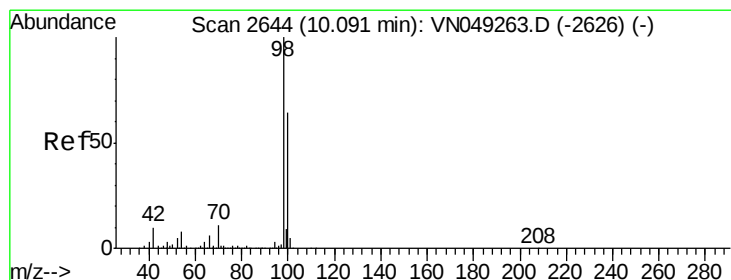
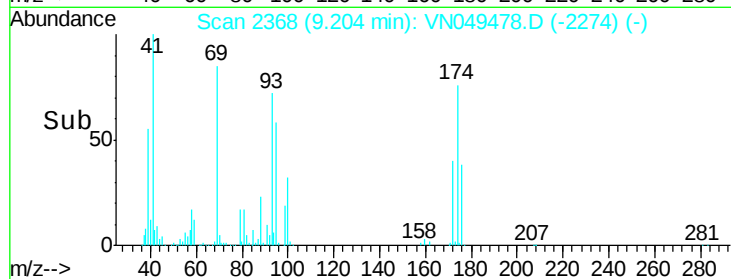
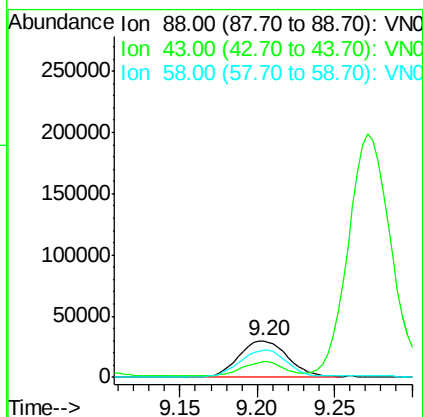
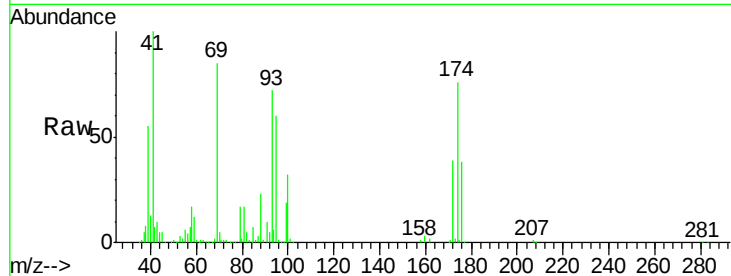




#49
1,4-Dioxane
Concen: 403.72 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

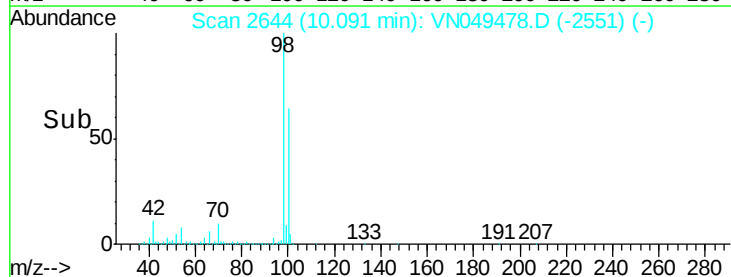
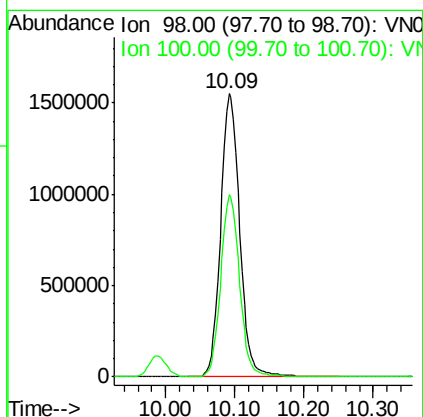
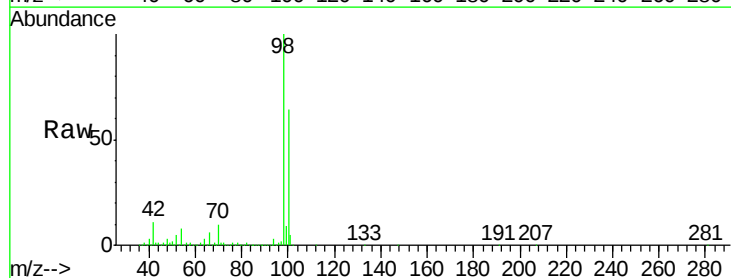
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 66631
Ion Ratio Lower Upper
88 100
43 32.8 30.9 46.3
58 71.8 58.9 88.3



#50
Toluene-d8
Concen: 45.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 98 Resp: 2961894
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 108.49 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

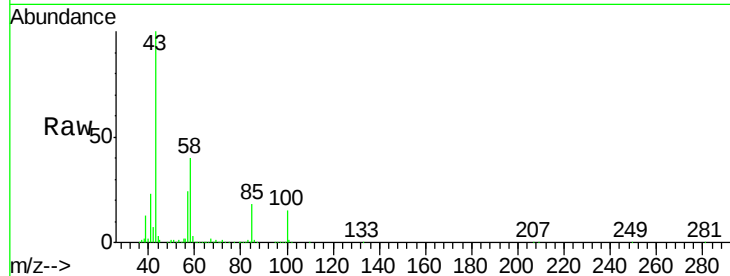
ClientSampleId :

Tot Ion: 43 Resp: 1443894

Ion Ratio Lower Upper

43 100

58 39.1 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) (-)

800000

600000

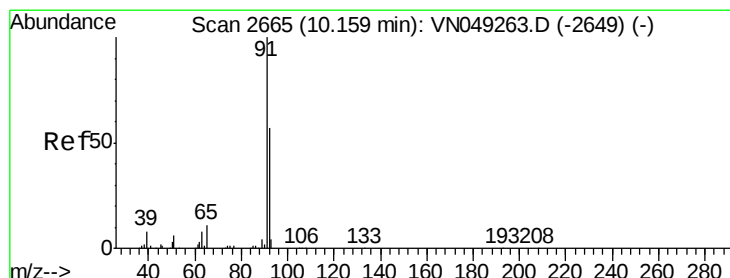
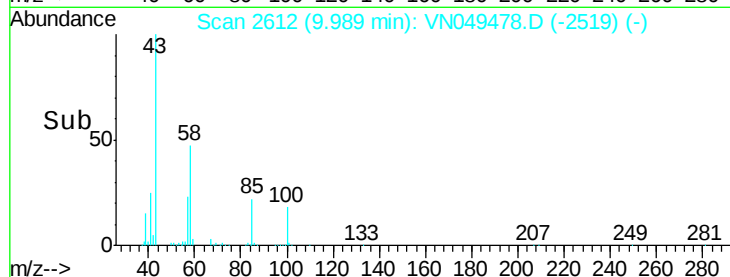
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 19.89 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049478.D

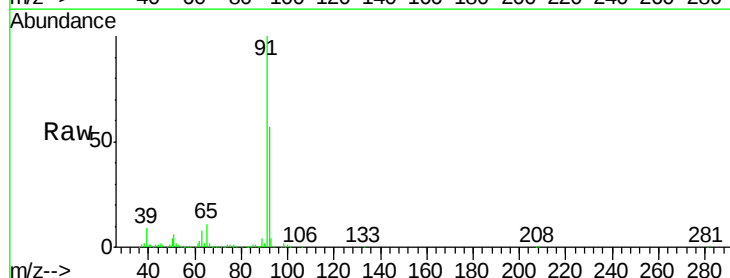
Acq: 21 Jun 2018 19:36

Tgt Ion: 92 Resp: 874883

Ion Ratio Lower Upper

92 100

91 176.4 143.4 215.2



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

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

800000

600000

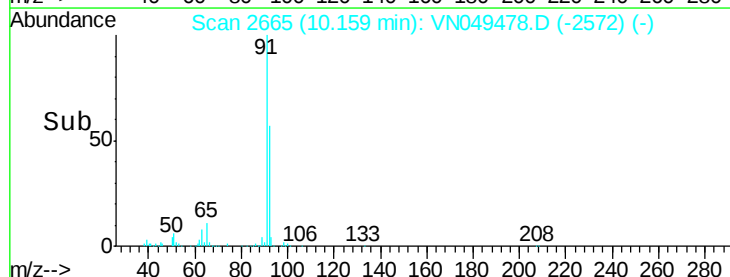
400000

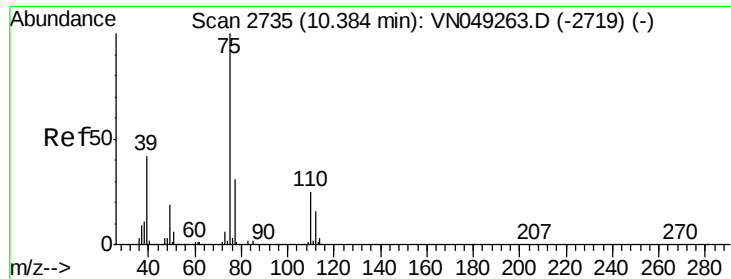
200000

0

10.10 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.10 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

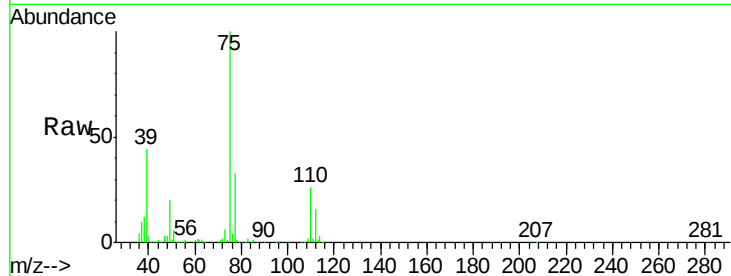
ClientSampled :

Tot Ion: 75 Resp: 456928

Ion Ratio Lower Upper

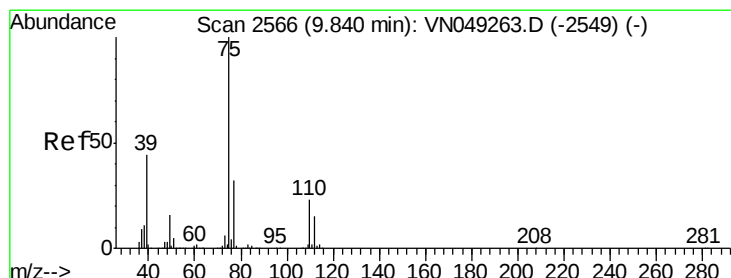
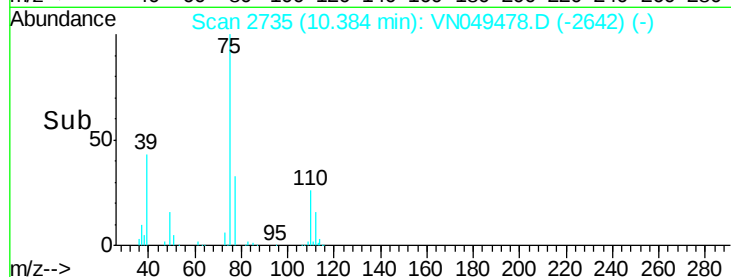
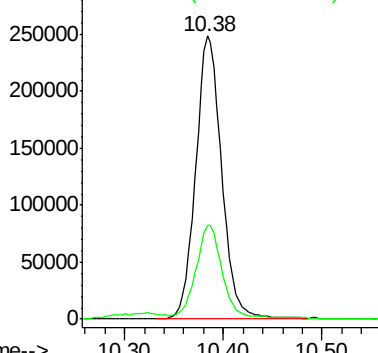
75 100

77 32.8 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.25 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

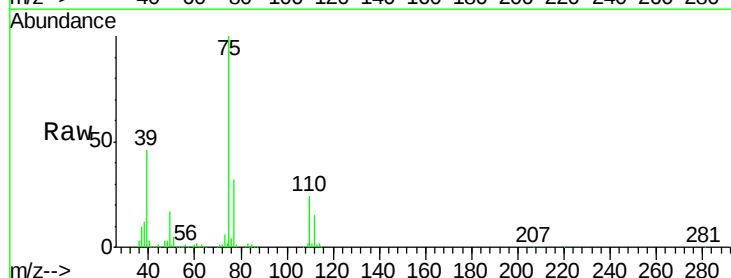
Tgt Ion: 75 Resp: 543814

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

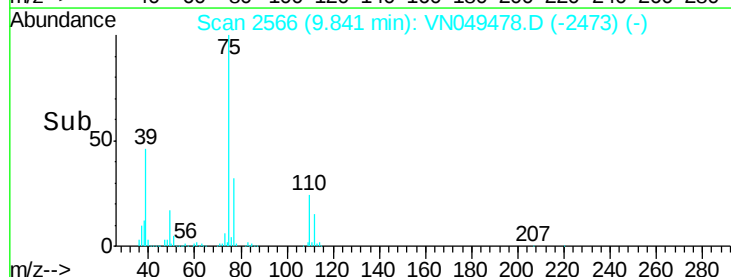
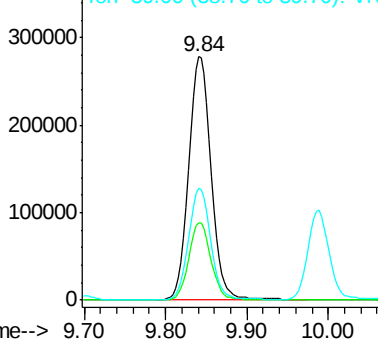
39 45.8 45.1 67.7

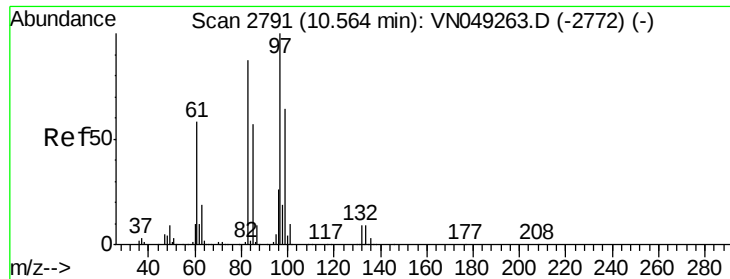


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

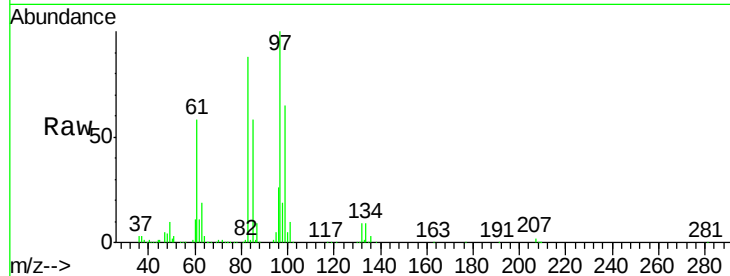




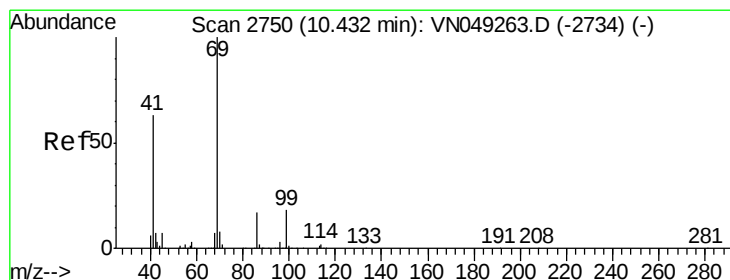
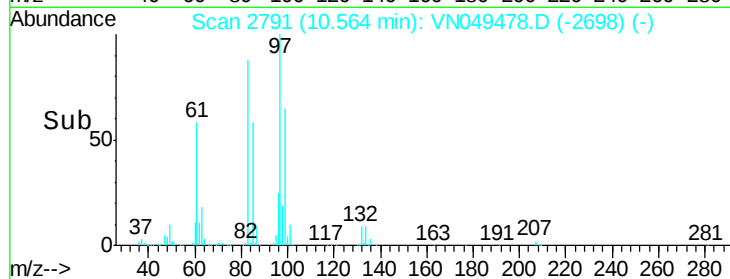
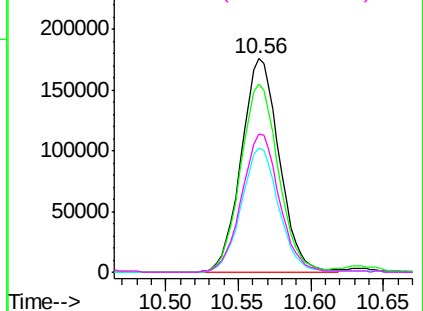
#55
 1,1,2-Trichloroethane
 Concen: 19.54 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	320357
Ion	Ratio	Lower	Upper
97	100		
83	87.9	71.5	107.3
85	58.4	47.0	70.4
99	64.5	51.4	77.2

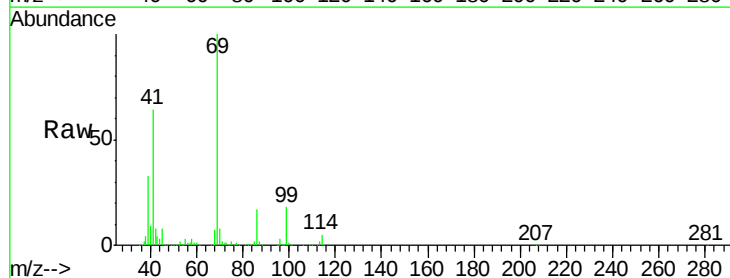


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

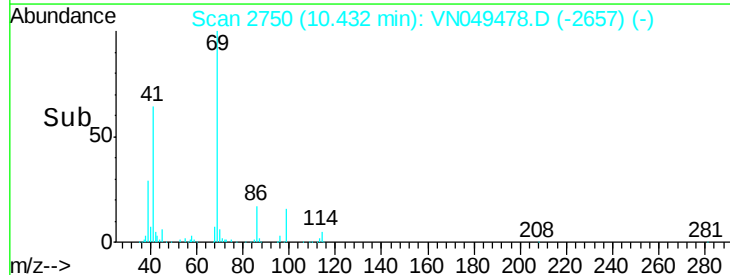
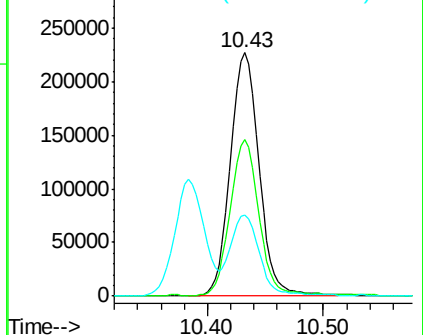


#56
 Ethyl methacrylate
 Concen: 20.60 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion:	69	Resp:	389722
Ion	Ratio	Lower	Upper
69	100		
41	63.4	58.4	87.6
39	33.8	35.5	53.3#



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

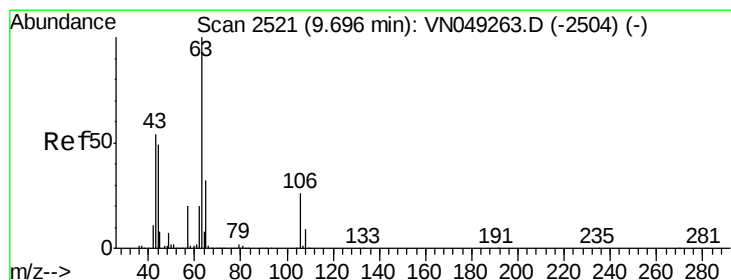
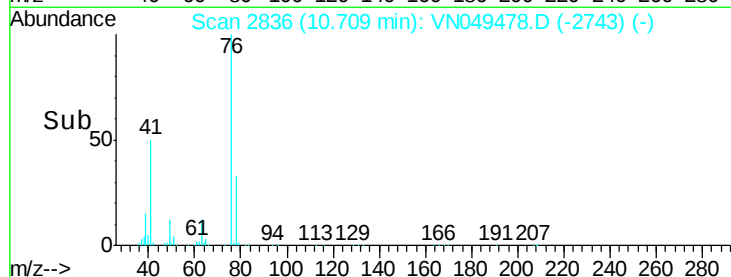
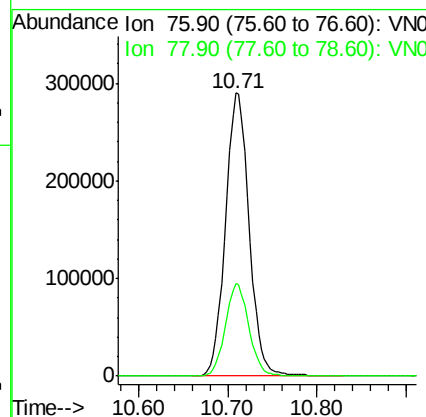
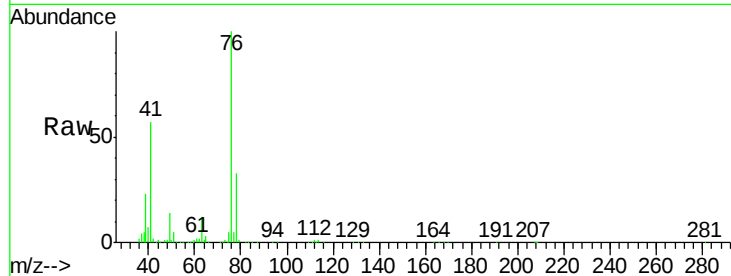




#57
 1,3-Dichloropropane
 Concen: 19.65 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

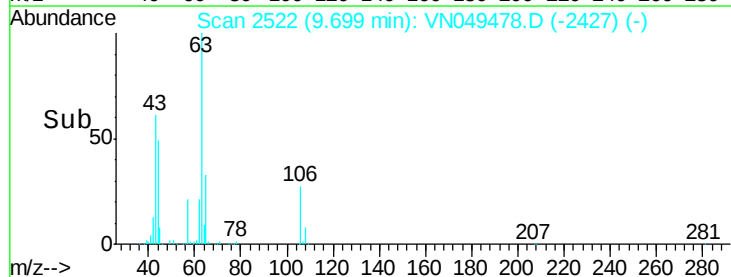
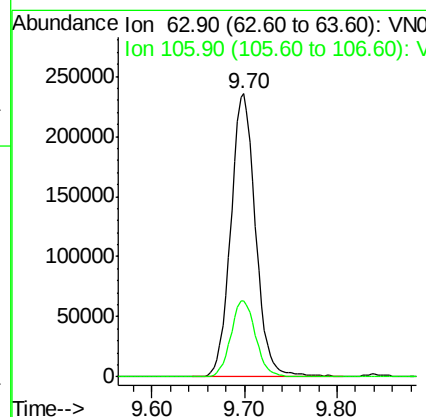
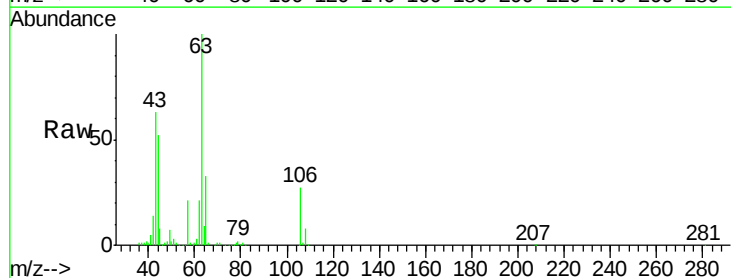
Instrument :
 MSVOA_N
 ClientSampleId :

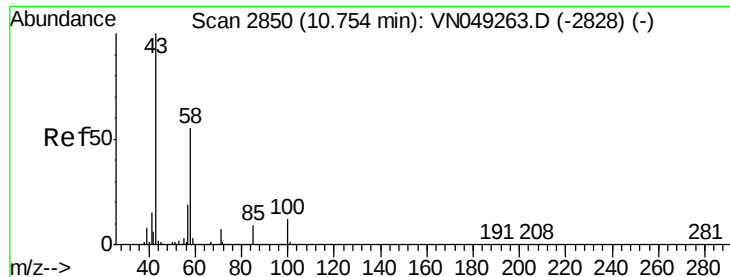
Tot Ion: 76 Resp: 533690
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 75.22 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion: 63 Resp: 436914
 Ion Ratio Lower Upper
 63 100
 106 27.0 19.4 29.2

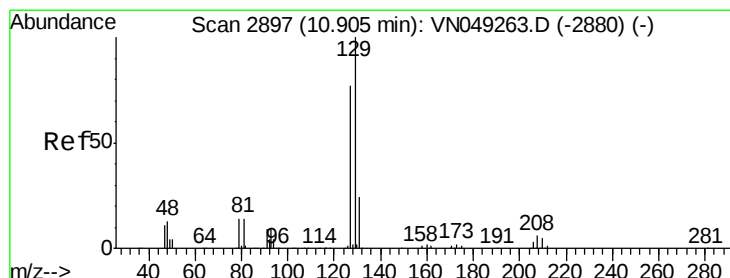
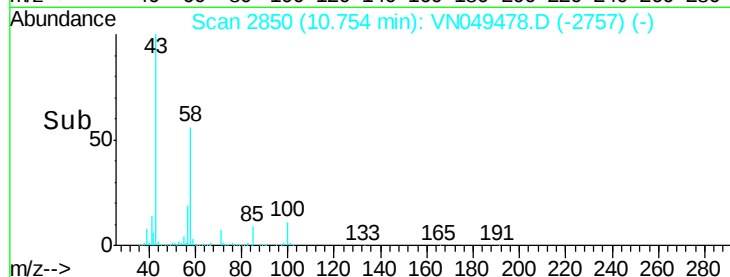
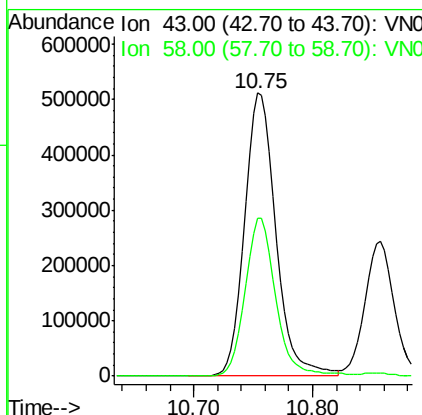
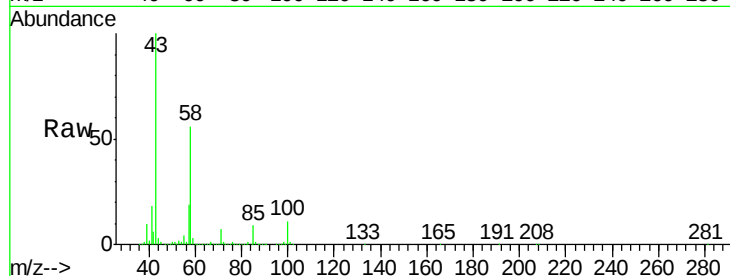




#59
2-Hexanone
Concen: 108.52 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

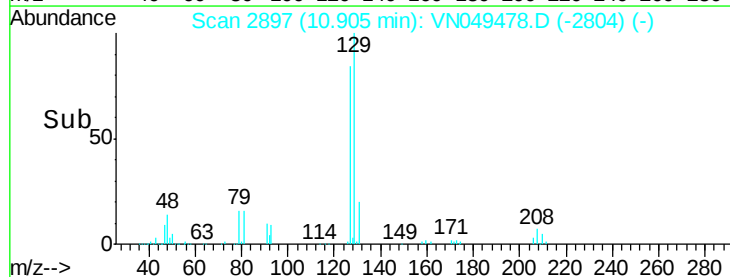
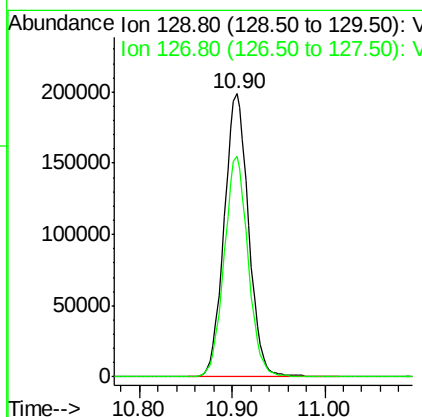
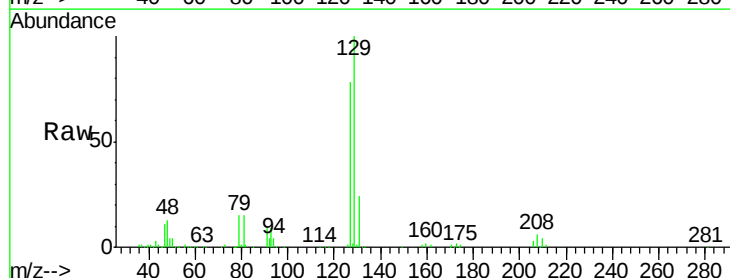
Instrument :
MSVOA_N
ClientSampled :

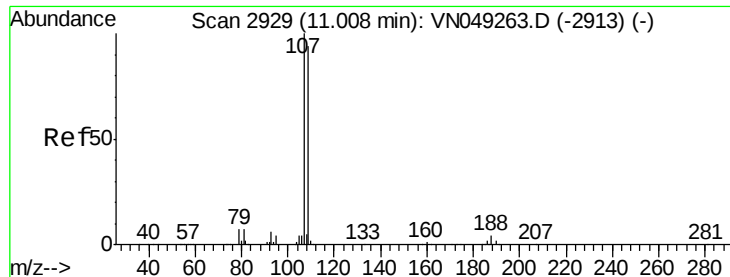
Tot Ion: 43 Resp: 931109
Ion Ratio Lower Upper
43 100
58 54.9 25.2 75.6



#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 129 Resp: 362474
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2

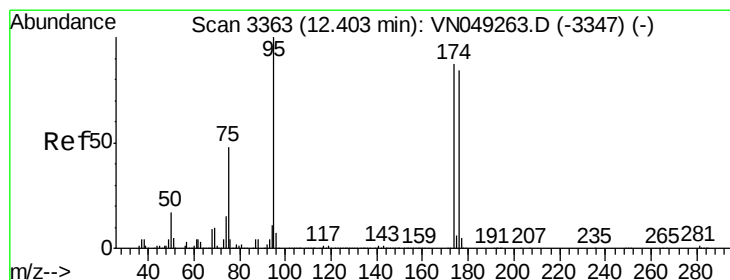
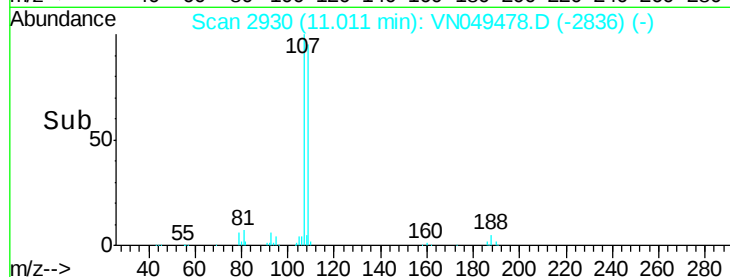
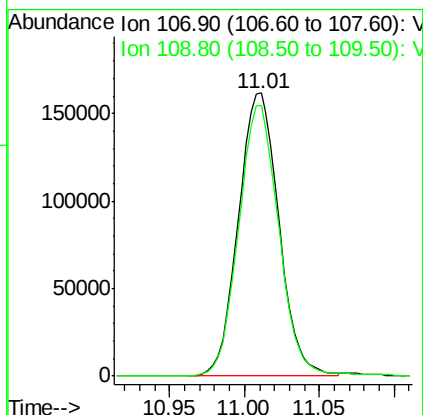
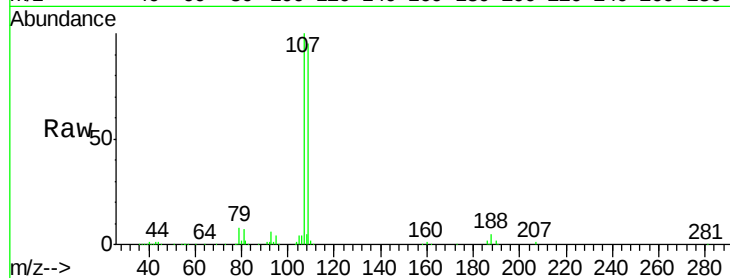




#61
 1,2-Dibromoethane
 Concen: 19.99 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

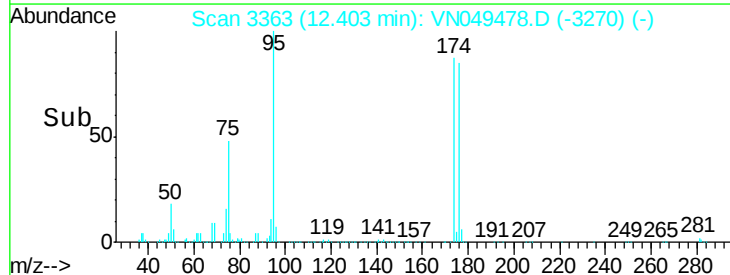
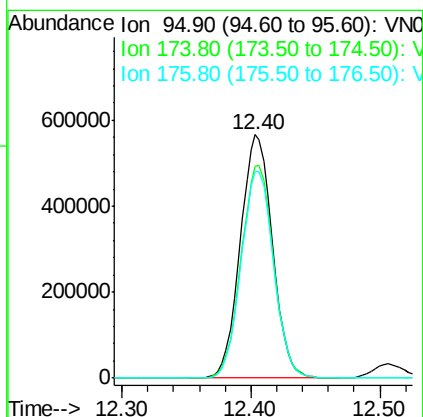
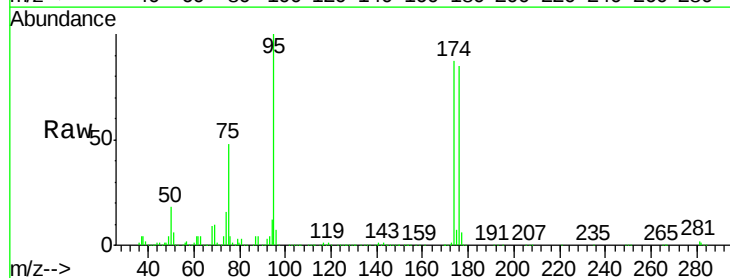
Instrument :
 MSVOA_N
 ClientSampleId :

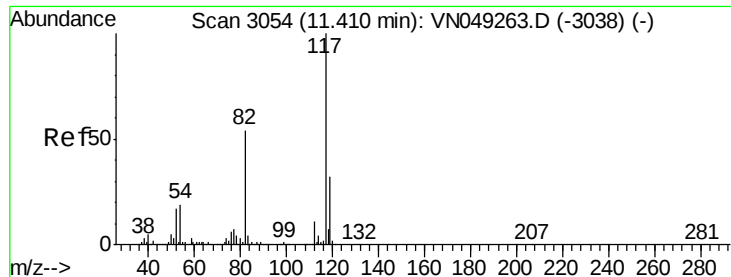
Tot Ion: 107 Resp: 304673
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 45.15 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion: 95 Resp: 981038
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 165.6
 176 85.8 0.0 157.4

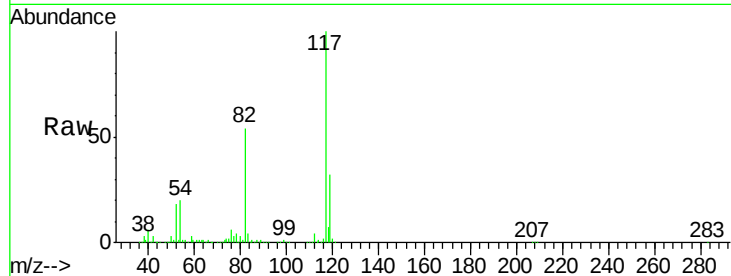




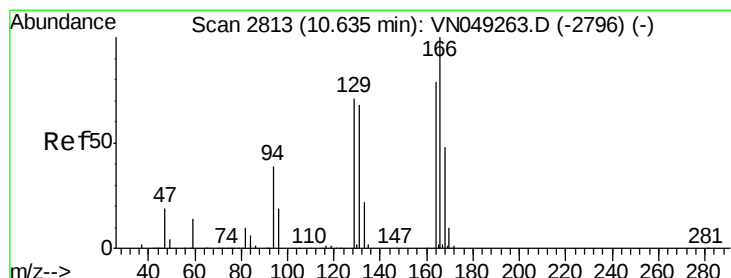
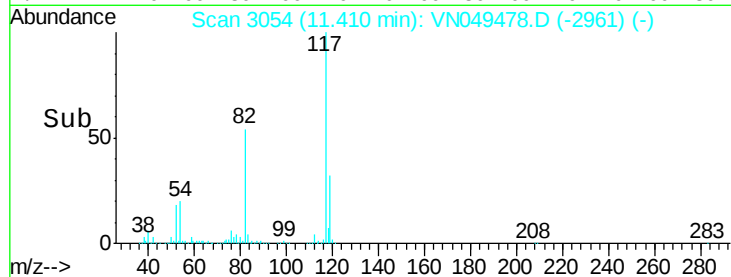
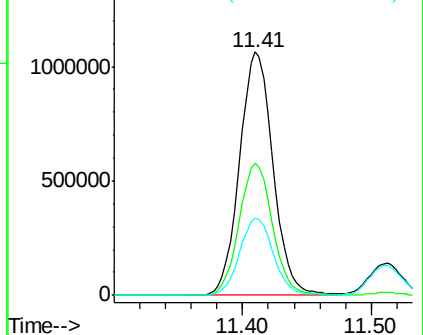
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1921274
Ion Ratio Lower Upper
117 100
82 54.2 45.9 68.9
119 31.7 25.5 38.3

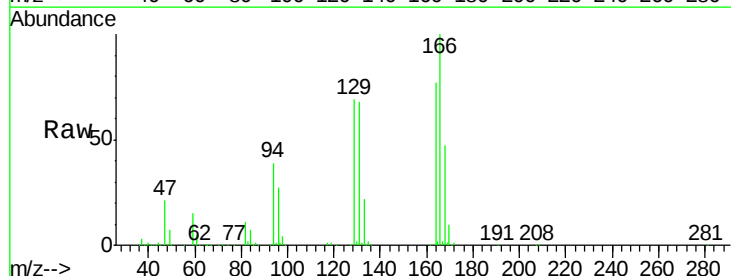


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

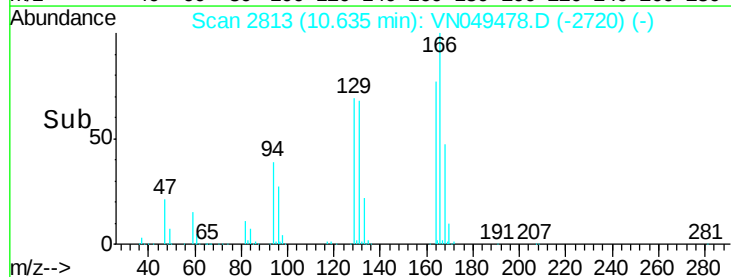
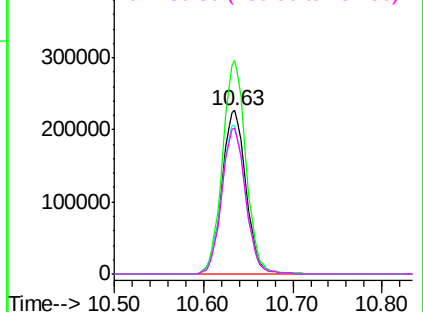


#64
Tetrachloroethene
Concen: 21.40 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion:164 Resp: 421330
Ion Ratio Lower Upper
164 100
166 130.6 101.4 152.2
129 90.4 74.1 111.1
131 88.9 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: 19.12 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

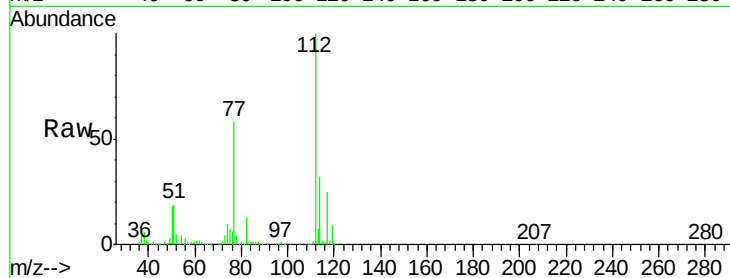
ClientSampled :

Tot Ion:112 Resp: 946494

Ion Ratio Lower Upper

112 100

114 31.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

600000

500000

400000

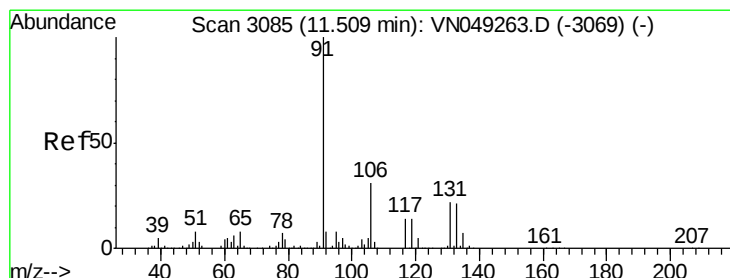
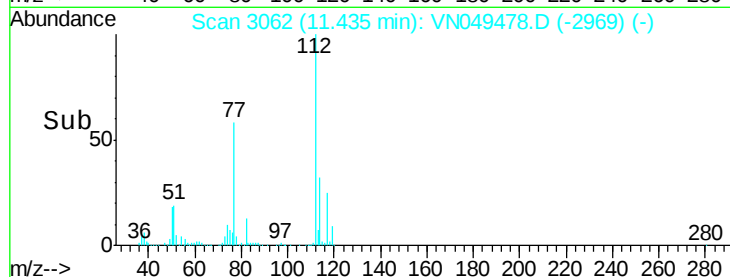
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.17 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

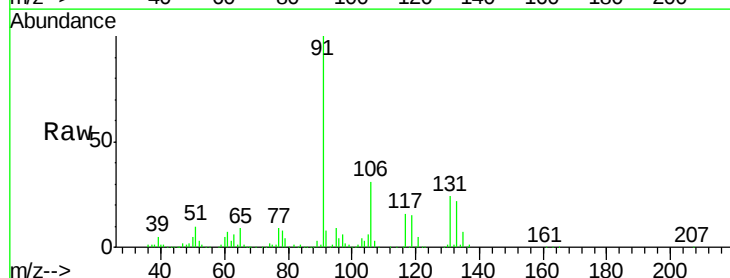
Tgt Ion:131 Resp: 356983

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.2

119 65.5 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

11.51

400000

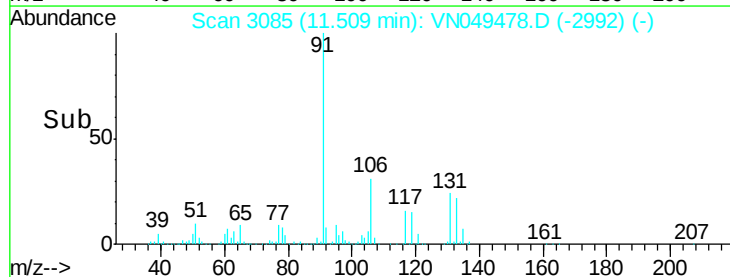
300000

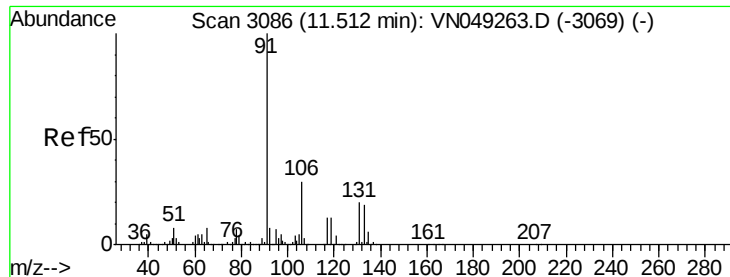
200000

100000

0

Time-->

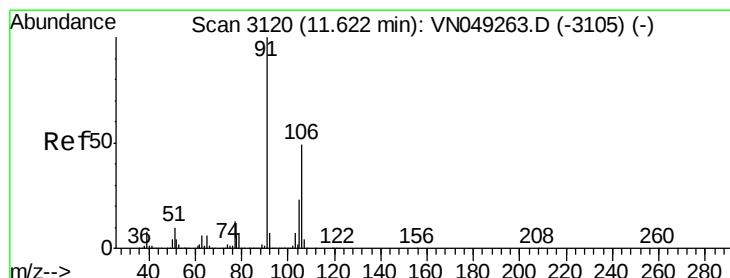
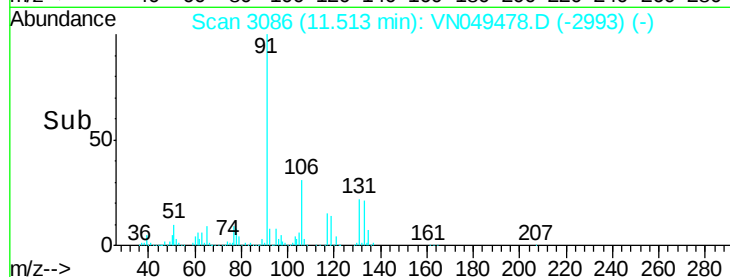
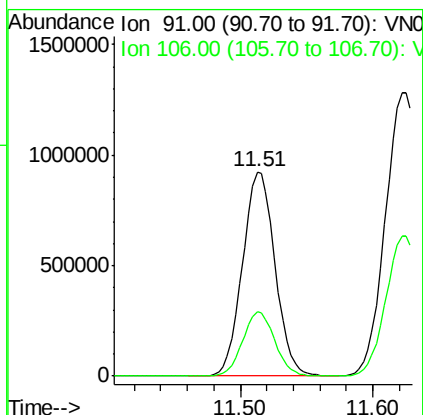
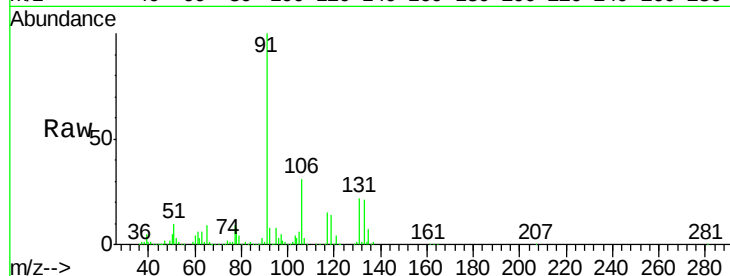




#67
Ethyl Benzene
Concen: 19.19 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

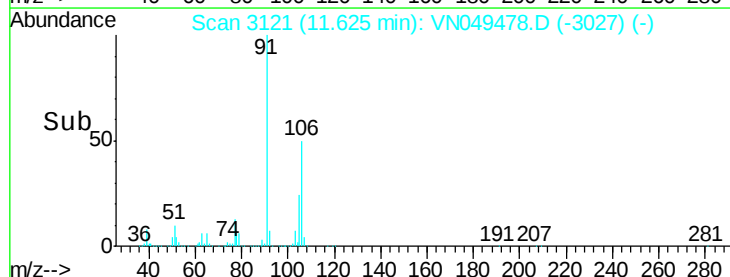
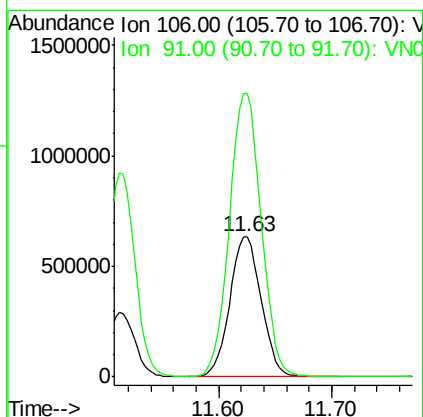
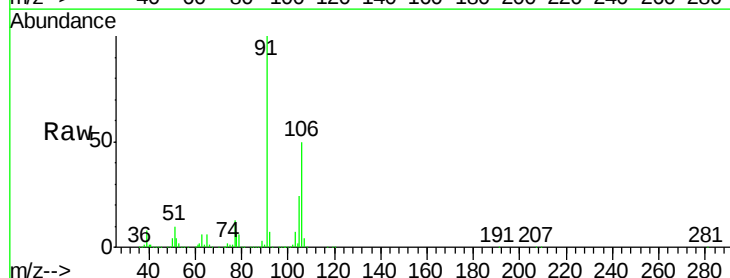
Instrument :
MSVOA_N
ClientSampled :

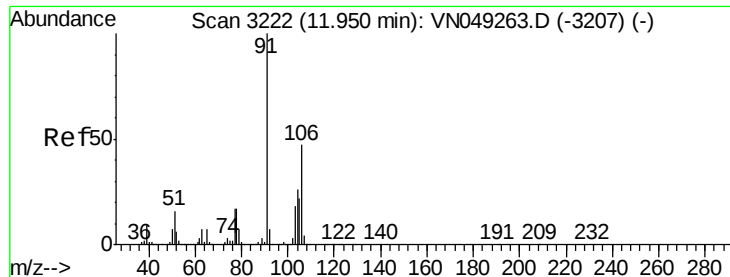
Tot Ion: 91 Resp: 1575101
Ion Ratio Lower Upper
91 100
106 31.3 23.9 35.9



#68
m/p-Xylenes
Concen: 39.72 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 106 Resp: 1223808
Ion Ratio Lower Upper
106 100
91 205.2 167.3 250.9





#69

o-Xylene

Concen: 19.78 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

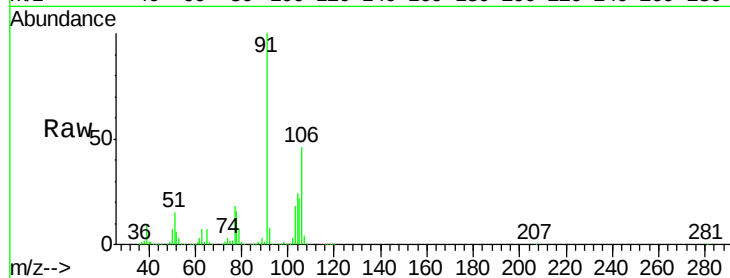
ClientSampled :

Tot Ion:106 Resp: 586896

Ion Ratio Lower Upper

106 100

91 213.9 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

800000

600000

400000

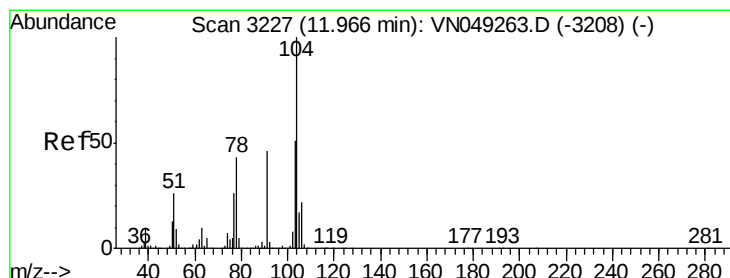
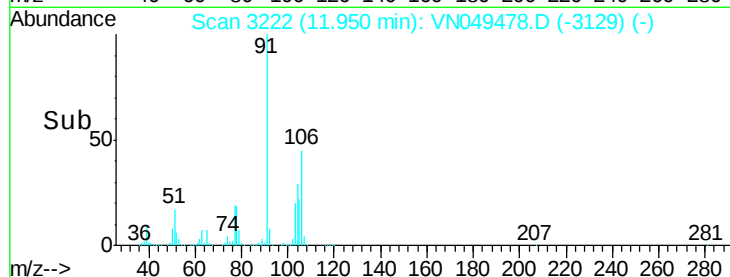
200000

0

11.95

11.90 12.00

Time-->



#70

Styrene

Concen: 20.12 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

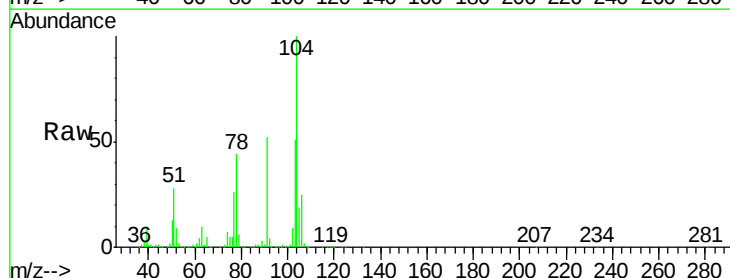
Tgt Ion:104 Resp: 942131

Ion Ratio Lower Upper

104 100

78 48.9 41.6 62.4

103 56.3 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

600000

400000

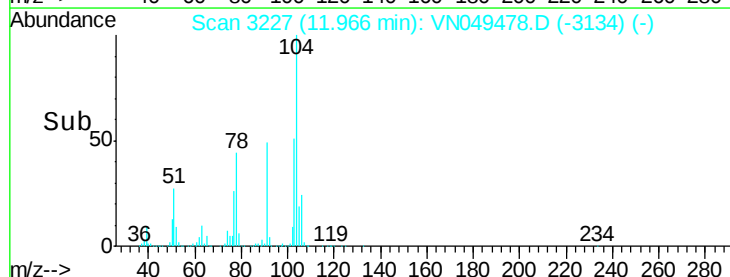
200000

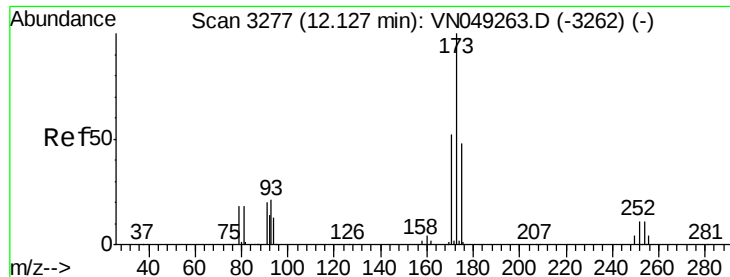
0

11.97

11.90 12.00

Time-->





#71

Bromoform

Concen: 19.82 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

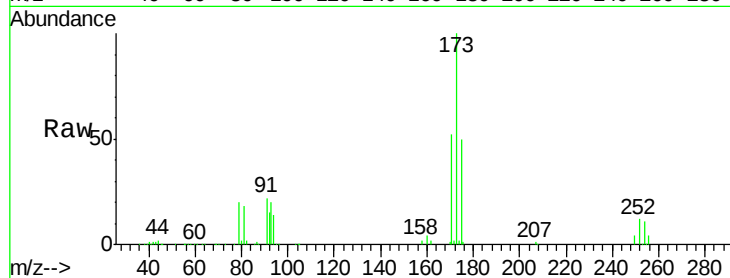
Tot Ion:173 Resp: 238897

Ion Ratio Lower Upper

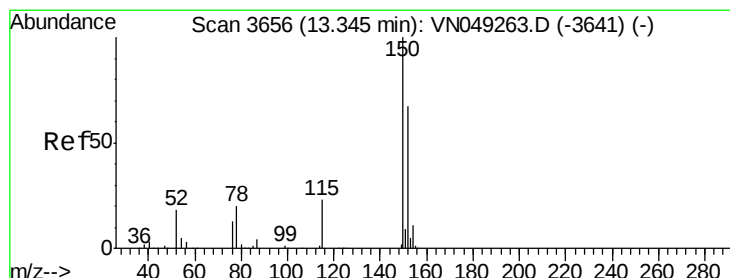
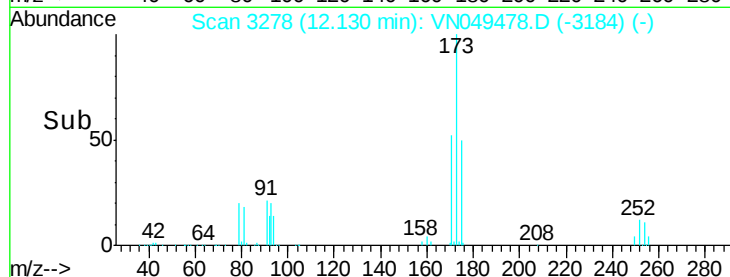
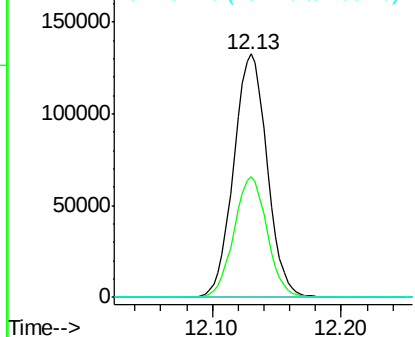
173 100

175 49.2 24.5 73.5

254 0.1 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: VN049478.D

Acq: 21 Jun 2018 19:36

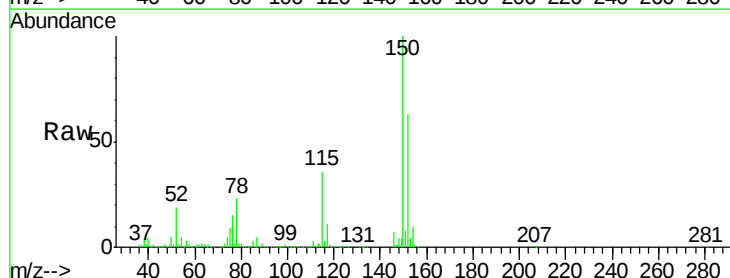
Tgt Ion:152 Resp: 909546

Ion Ratio Lower Upper

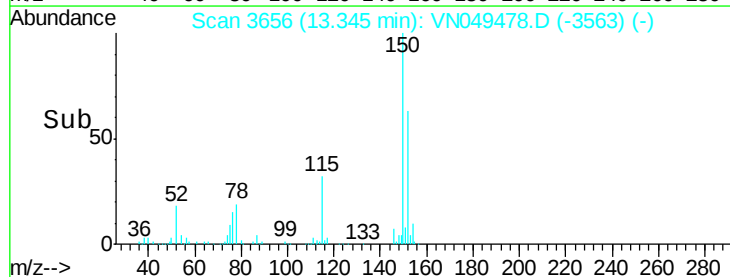
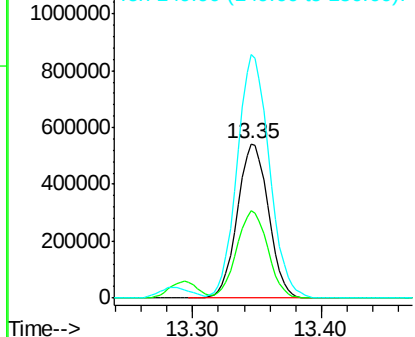
152 100

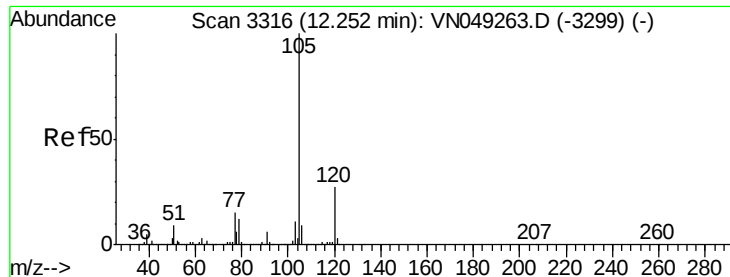
115 56.7 28.7 86.1

150 163.8 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: 19.58 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

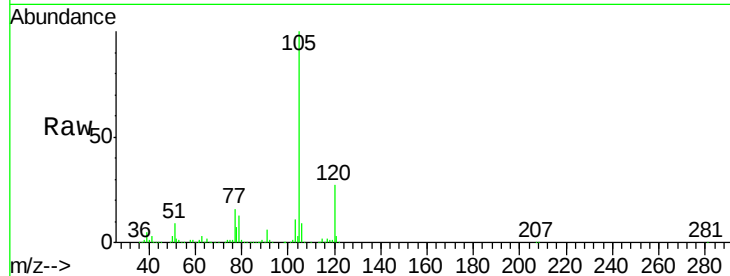
ClientSampled :

Tot Ion:105 Resp: 1563876

Ion Ratio Lower Upper

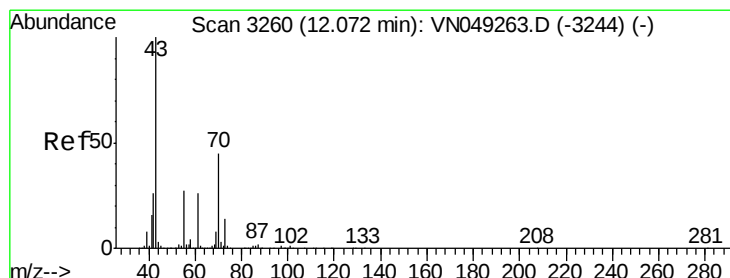
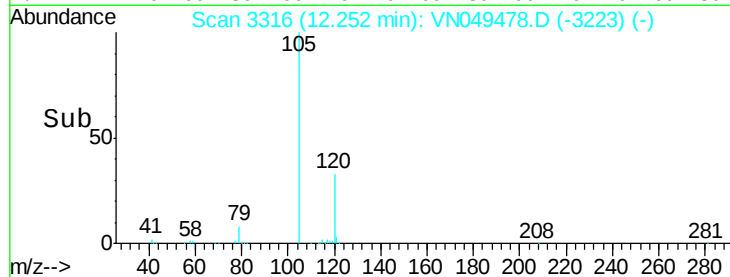
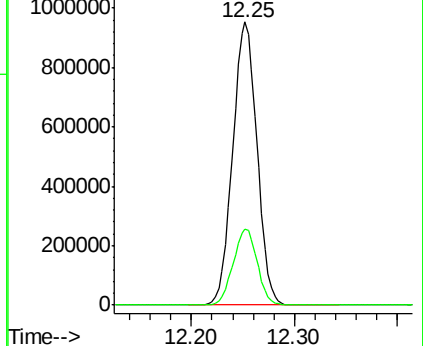
105 100

120 26.8 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: 20.15 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion: 43 Resp: 394102

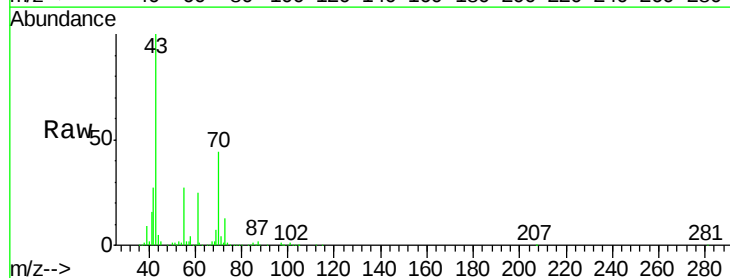
Ion Ratio Lower Upper

43 100

70 42.7 30.3 45.5

55 27.5 19.4 29.2

61 24.5 17.8 26.6

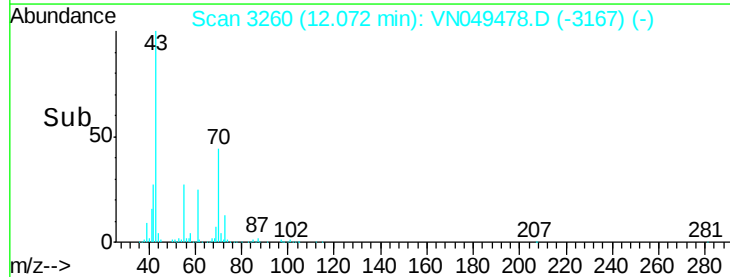
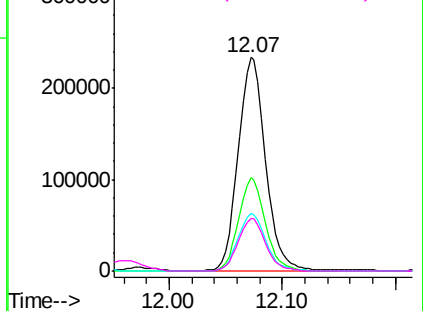


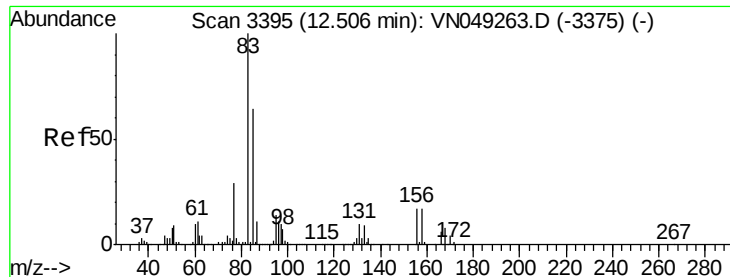
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.03 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

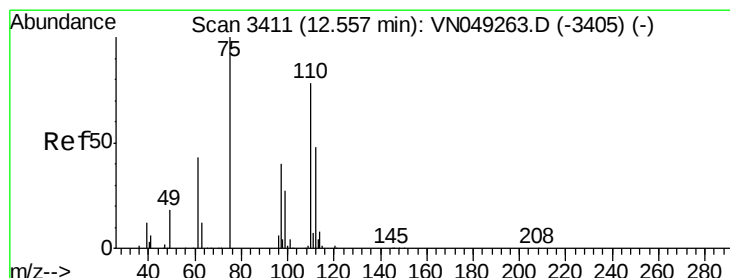
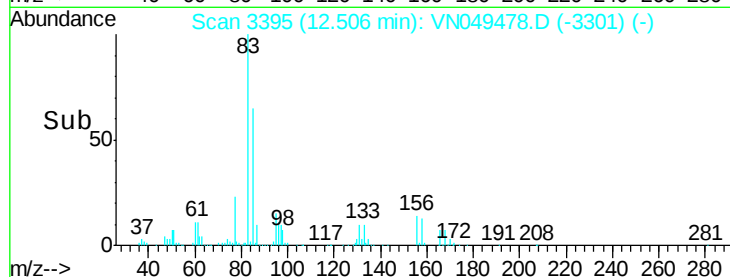
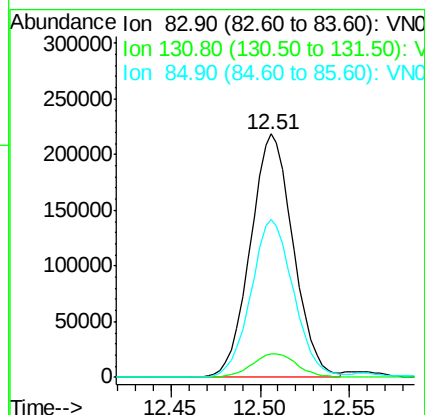
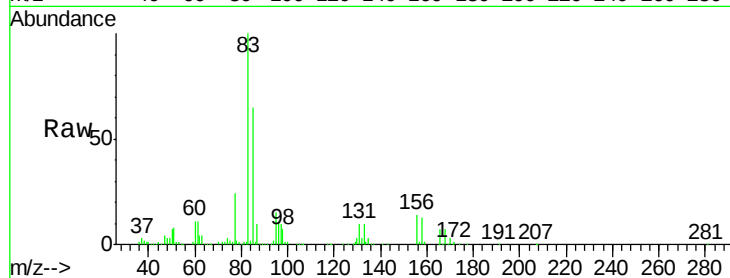
Tot Ion: 83 Resp: 366776

Ion Ratio Lower Upper

83 100

131 10.3 5.0 15.0

85 64.5 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 30.15 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049478.D

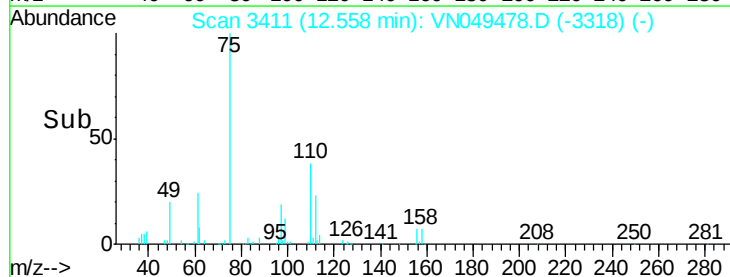
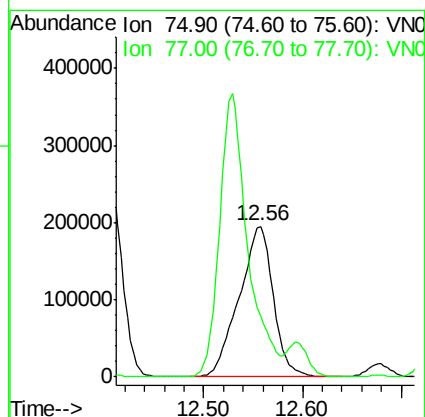
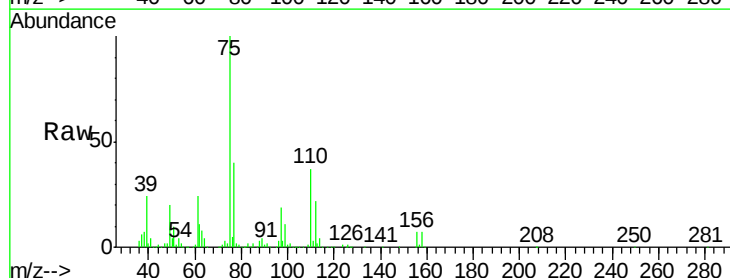
Acq: 21 Jun 2018 19:36

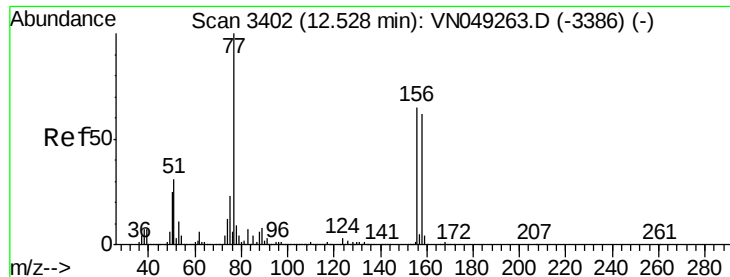
Tgt Ion: 75 Resp: 467853

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.88 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

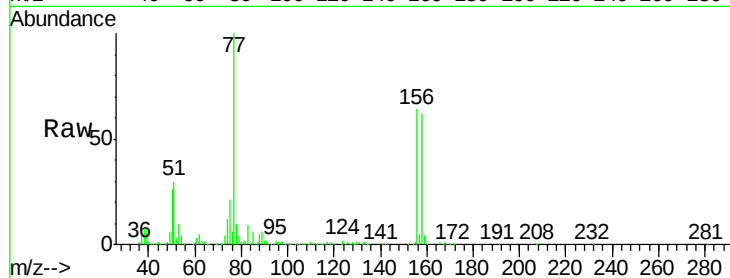
Tot Ion:156 Resp: 398205

Ion Ratio Lower Upper

156 100

77 183.8 100.8 302.4

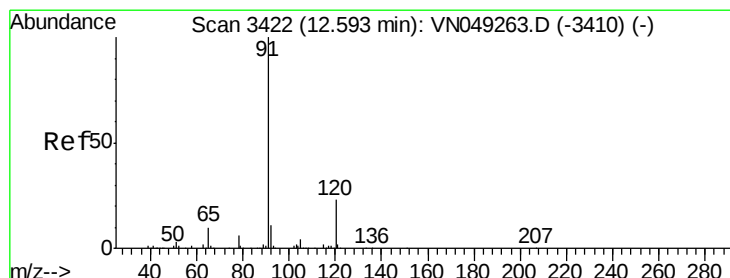
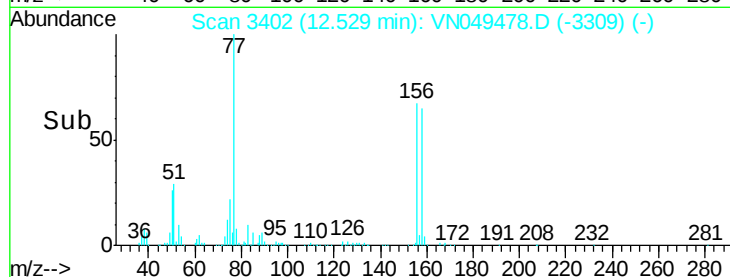
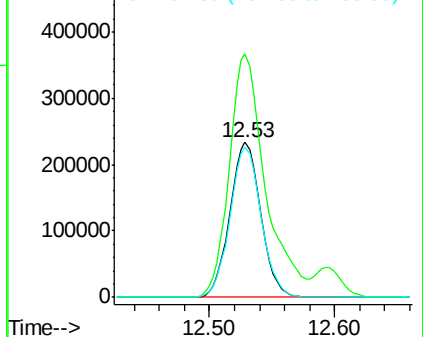
158 97.7 49.3 147.9



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: 19.83 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049478.D

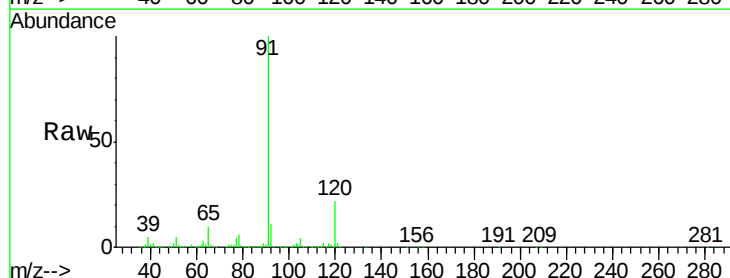
Acq: 21 Jun 2018 19:36

Tgt Ion: 91 Resp: 1738613

Ion Ratio Lower Upper

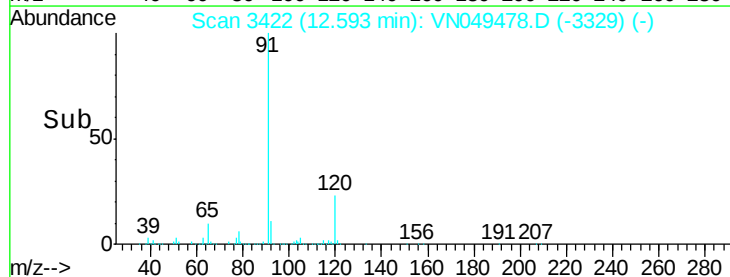
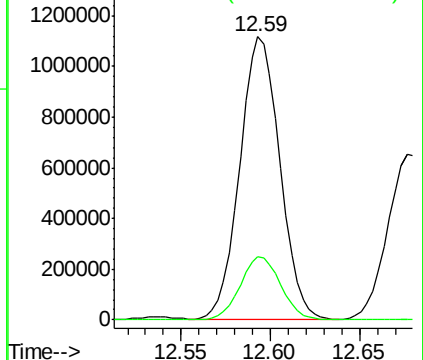
91 100

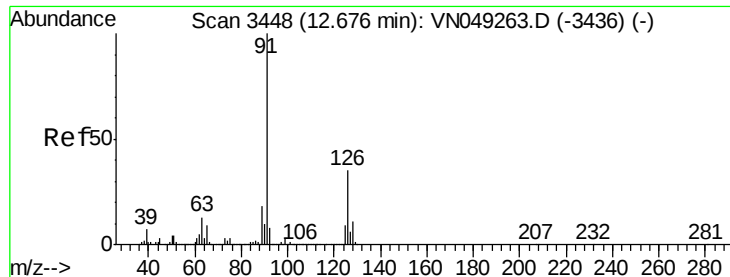
120 22.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

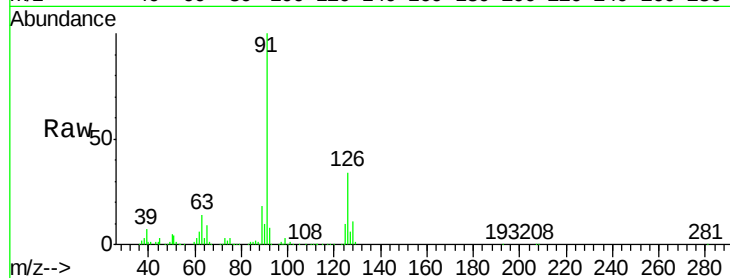
ClientSampled :

Tot Ion: 91 Resp: 1073287

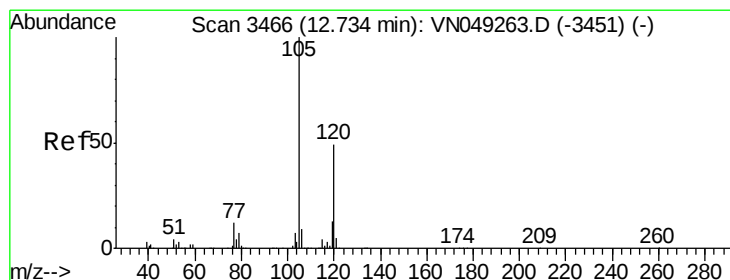
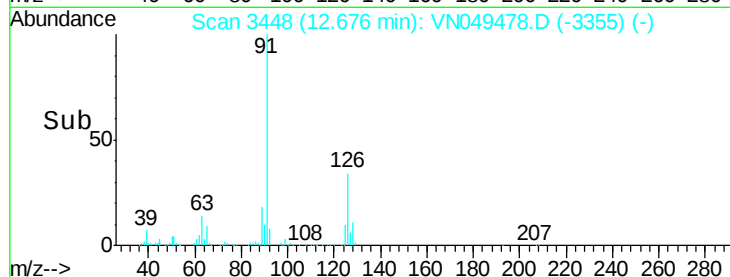
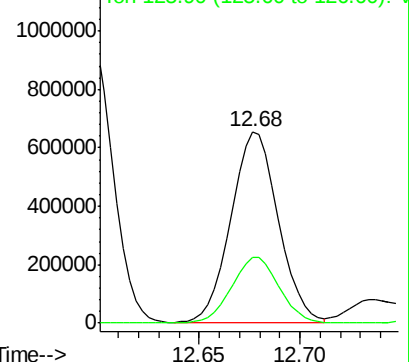
Ion Ratio Lower Upper

91 100

126 34.7 16.6 49.8



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



#80

1,3,5-Trimethylbenzene

Concen: 20.08 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049478.D

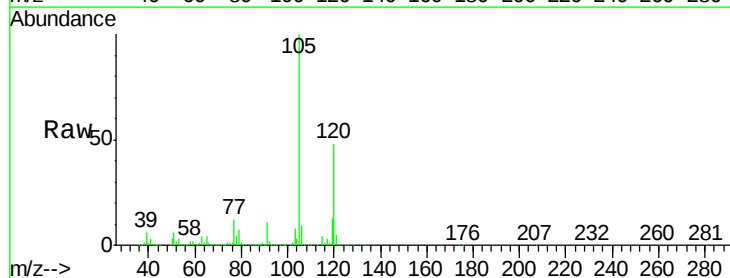
Acq: 21 Jun 2018 19:36

Tgt Ion:105 Resp: 1260590

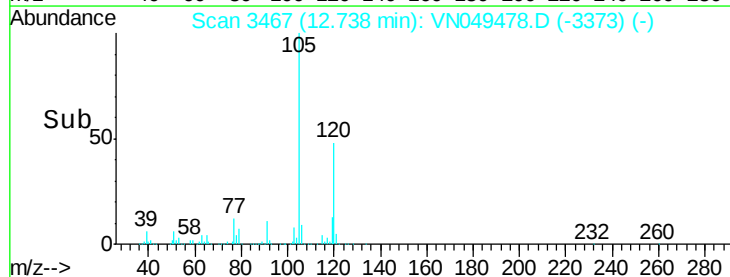
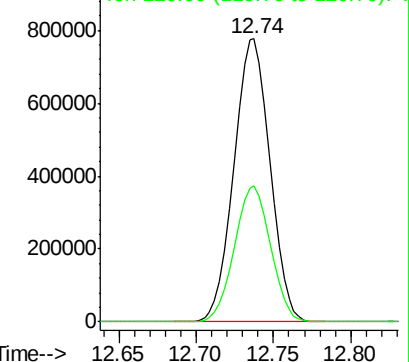
Ion Ratio Lower Upper

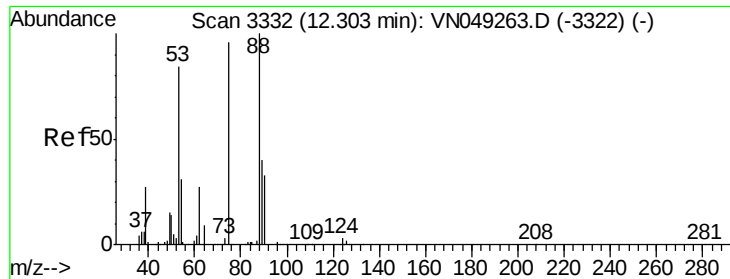
105 100

120 48.2 23.5 70.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 20.57 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

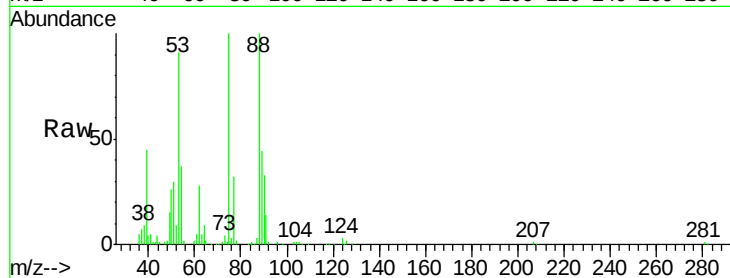
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 101013

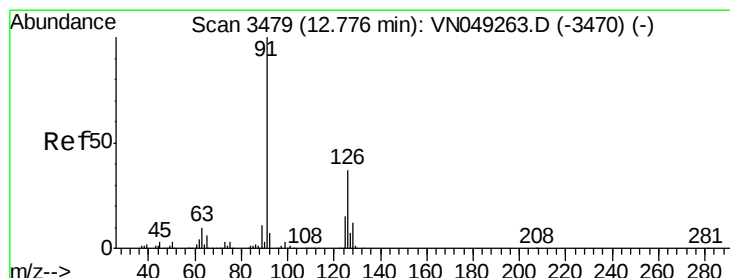
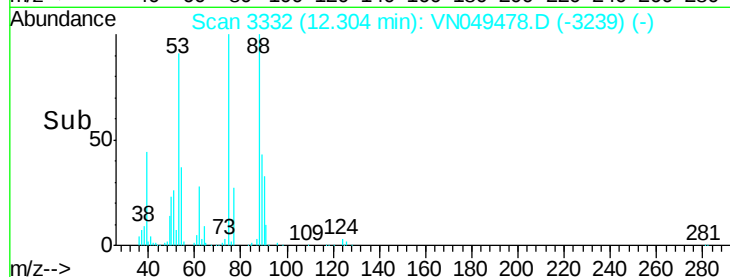
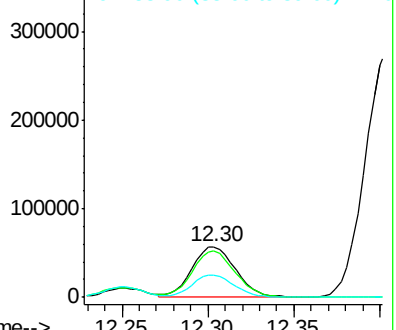
Ion	Ratio	Lower	Upper
75	100		
53	89.4	82.7	124.1
89	43.1	36.5	54.7



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.70 ug/l

RT: 12.78 min Scan# 3479

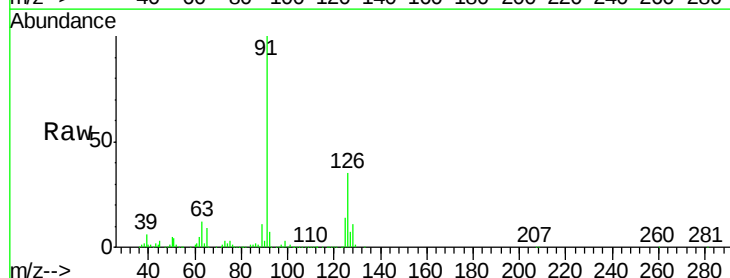
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

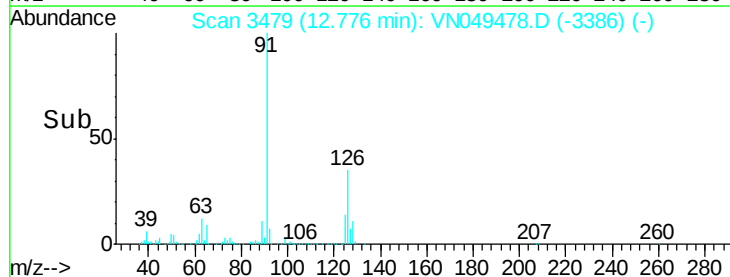
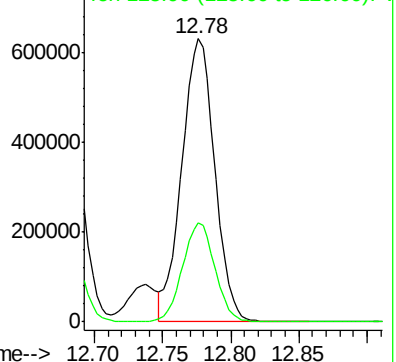
Tgt Ion: 91 Resp: 1055845

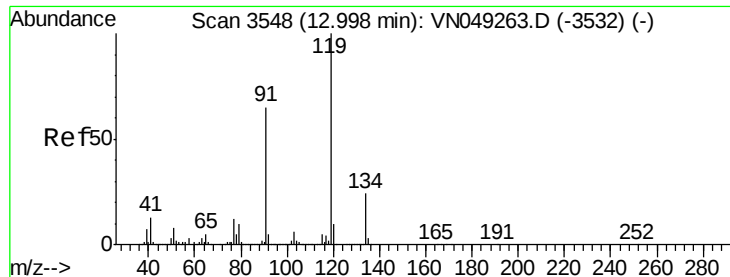
Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 19.60 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

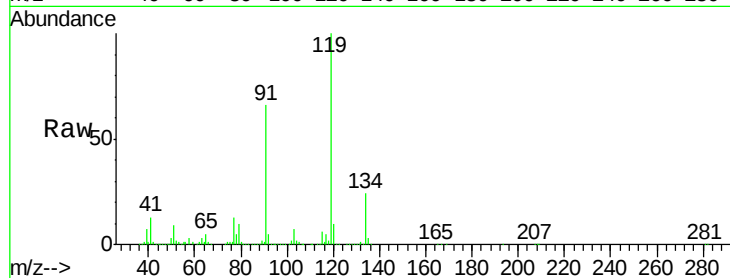
Tot Ion:119 Resp: 1090143

Ion Ratio Lower Upper

119 100

91 64.0 33.7 101.0

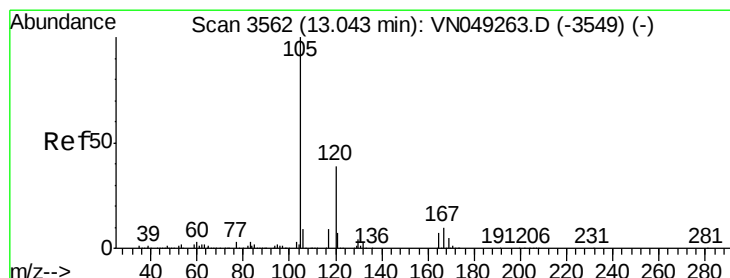
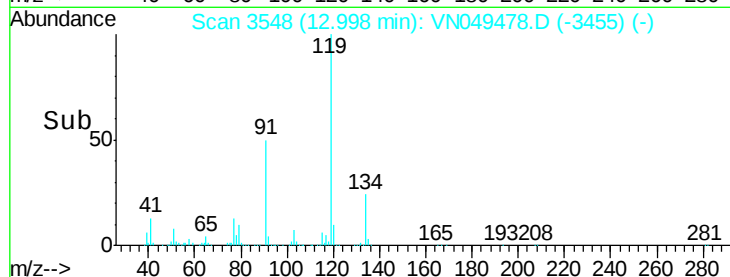
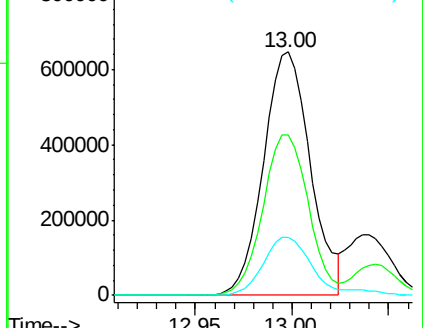
134 25.5 12.9 38.6



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: 20.32 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049478.D

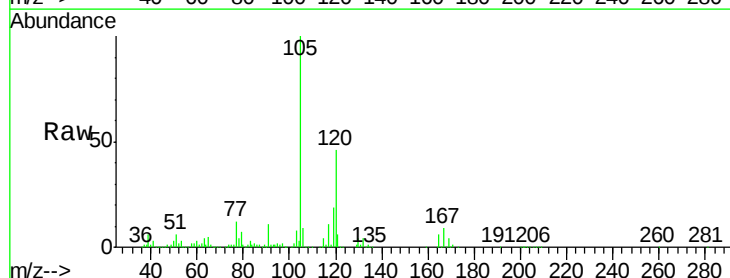
Acq: 21 Jun 2018 19:36

Tgt Ion:105 Resp: 1267134

Ion Ratio Lower Upper

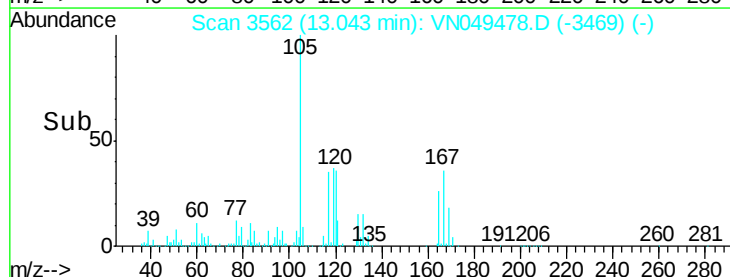
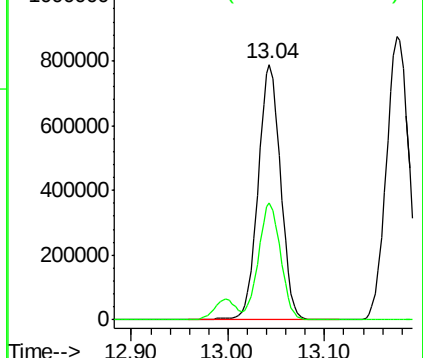
105 100

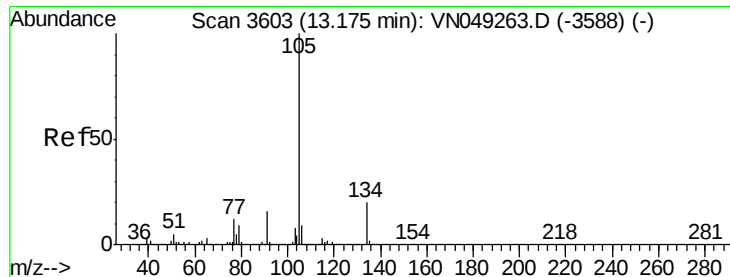
120 45.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.18 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

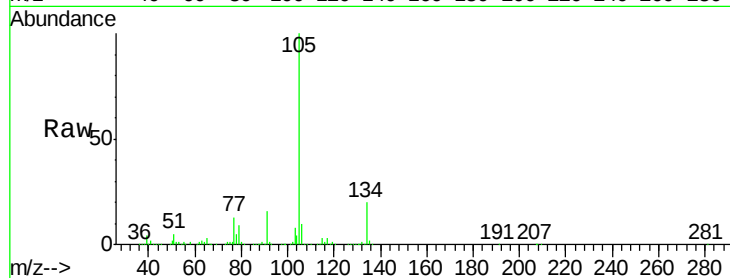
ClientSampleId :

Tot Ion:105 Resp: 1419679

Ion Ratio Lower Upper

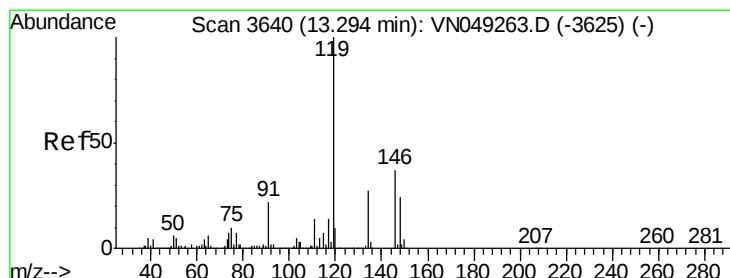
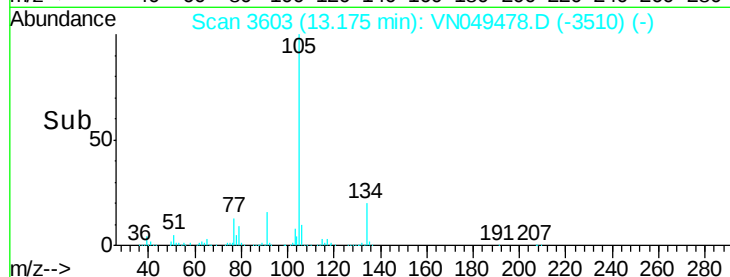
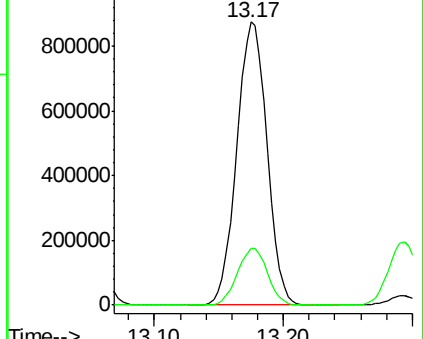
105 100

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



#86

p-Isopropyltoluene

Concen: 19.27 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

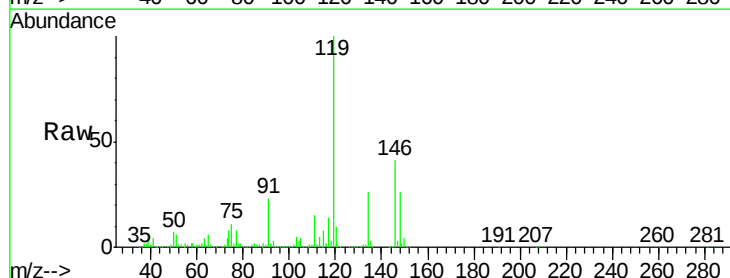
Tgt Ion:119 Resp: 1191773

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

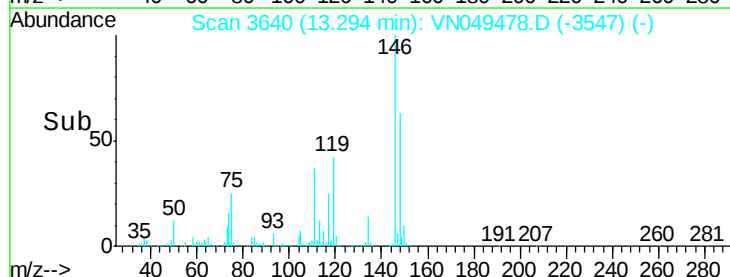
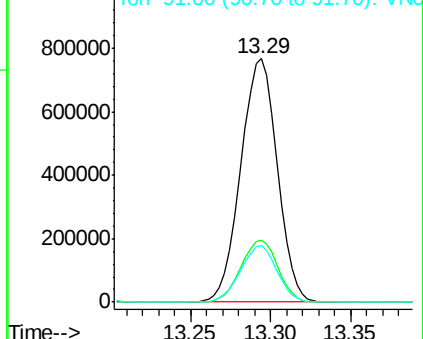
91 23.1 12.1 36.3

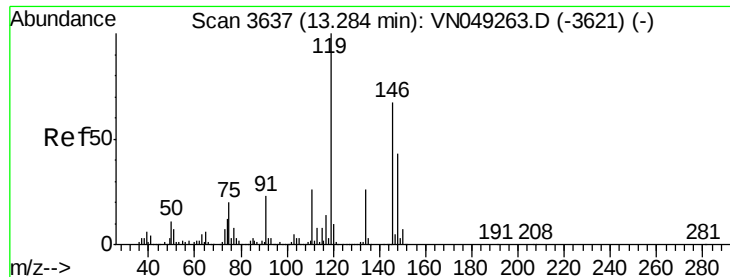


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

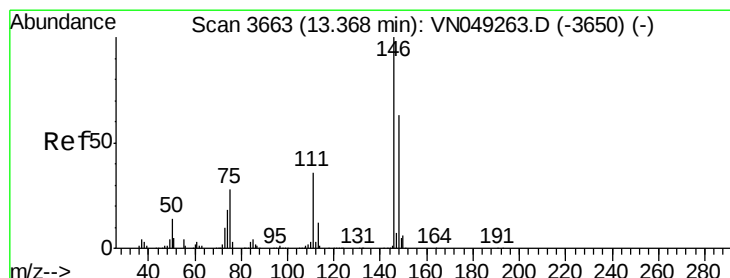
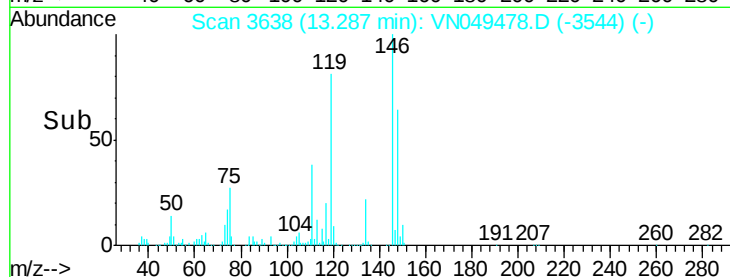
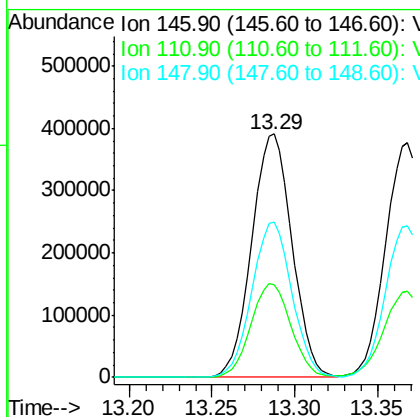
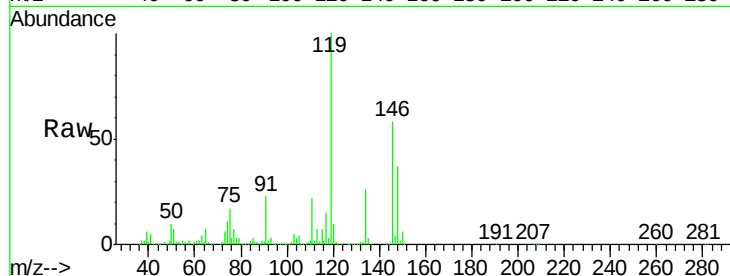




#87
 1,3-Dichlorobenzene
 Concen: 19.11 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

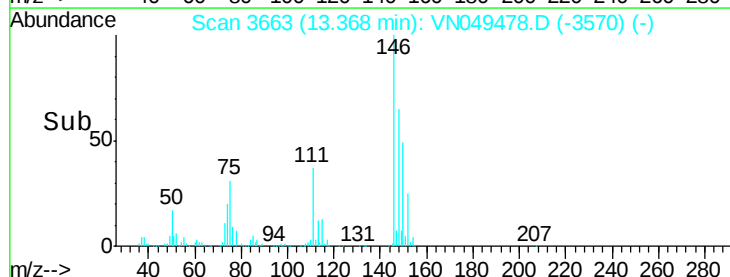
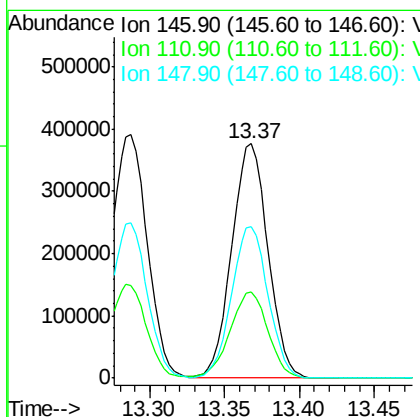
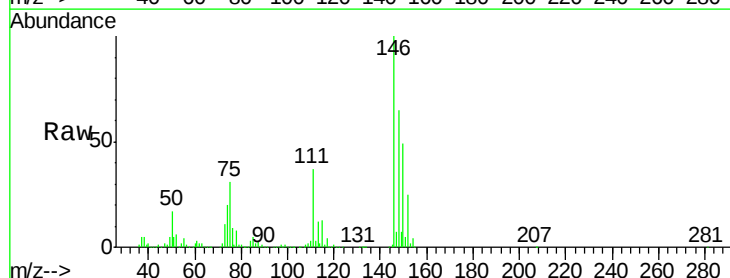
Instrument :
 MSVOA_N
 ClientSampled :

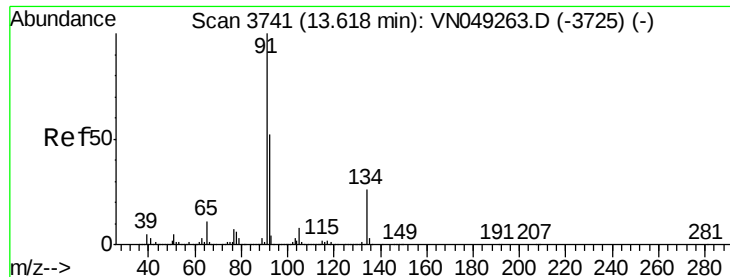
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.9	59.6
148	63.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.46 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.0	32.0	96.2

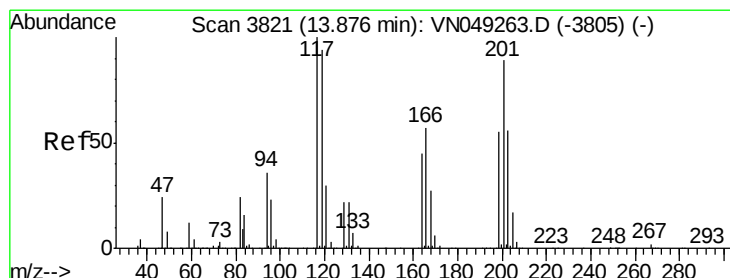
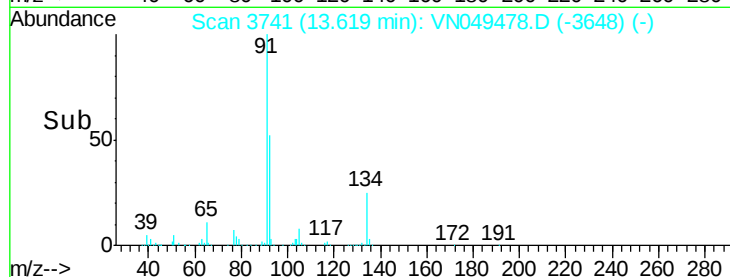
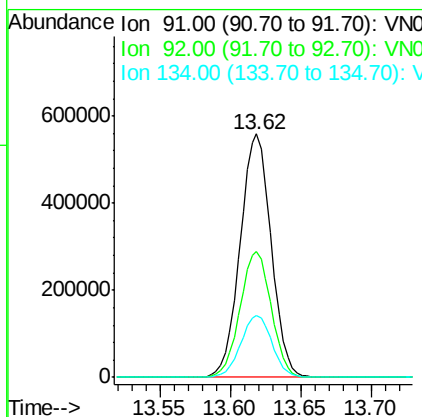
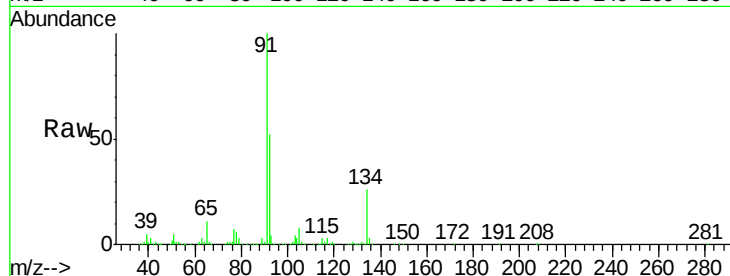




#89
n-Butylbenzene
Concen: 17.84 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

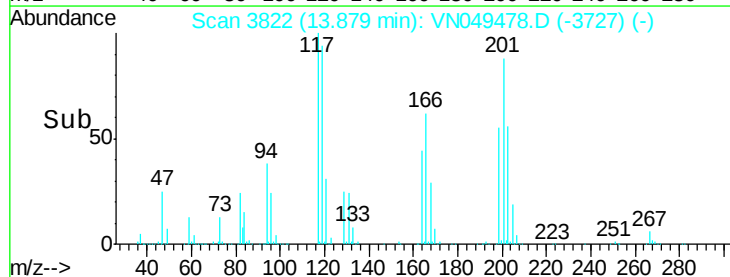
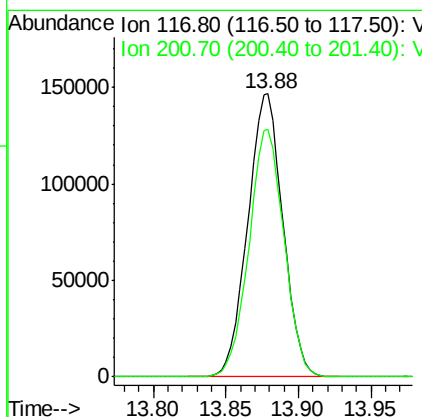
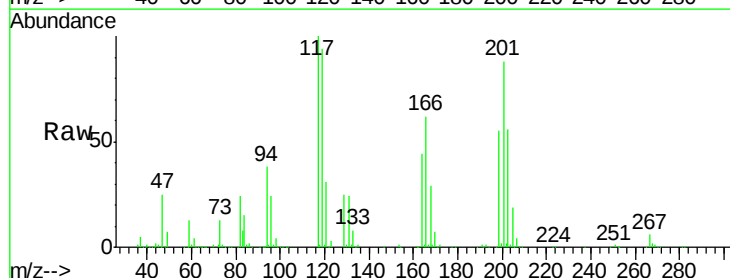
Instrument :
MSVOA_N
ClientSampled :

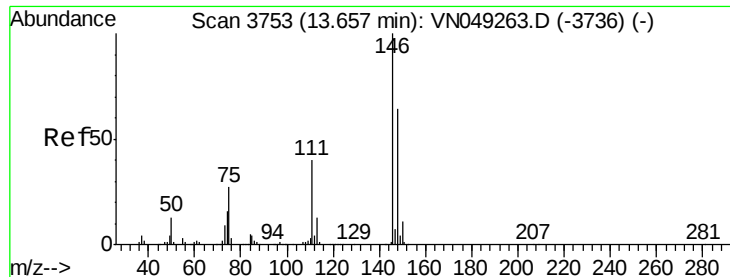
Tot Ion: 91 Resp: 861523
Ion Ratio Lower Upper
91 100
92 52.1 25.1 75.4
134 25.6 12.0 36.0



#90
Hexachloroethane
Concen: 20.15 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 117 Resp: 247668
Ion Ratio Lower Upper
117 100
201 87.2 40.1 120.2

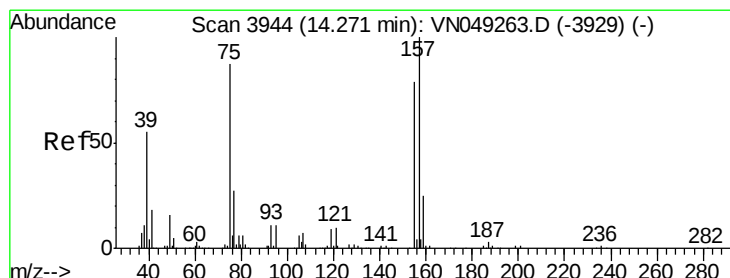
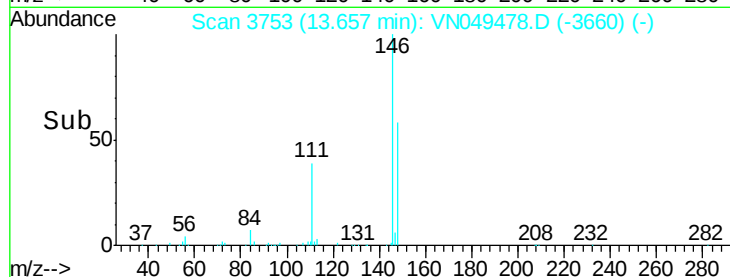
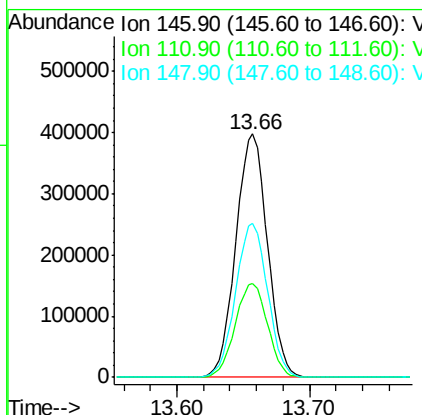
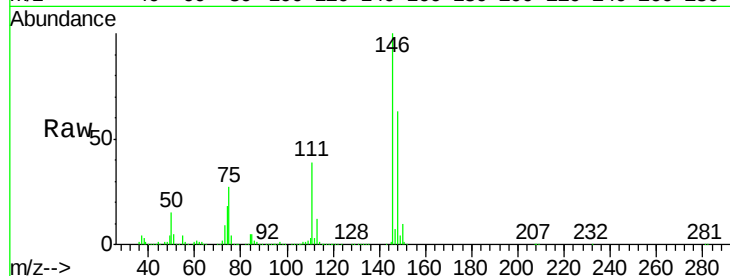




#91
 1,2-Dichlorobenzene
 Concen: 19.32 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

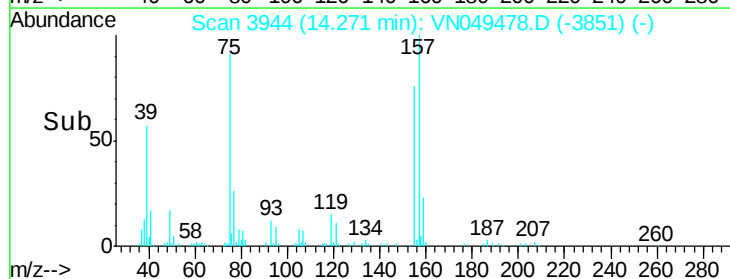
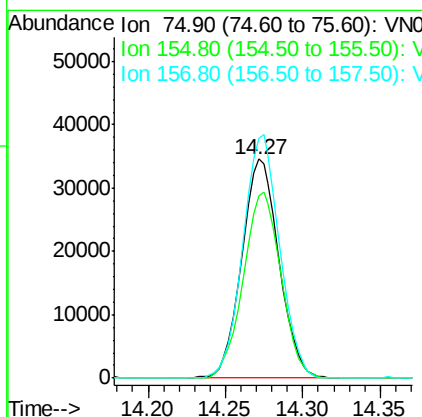
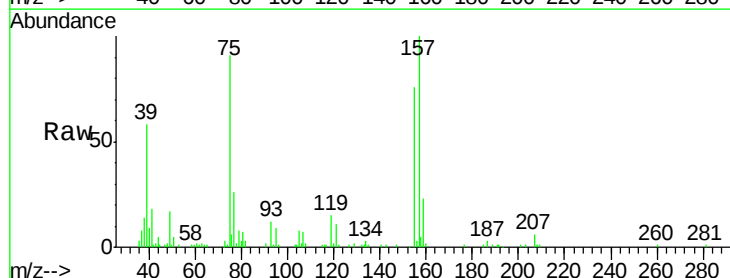
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	64.2	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.82 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	38.8	116.3
157	109.6	51.0	153.1

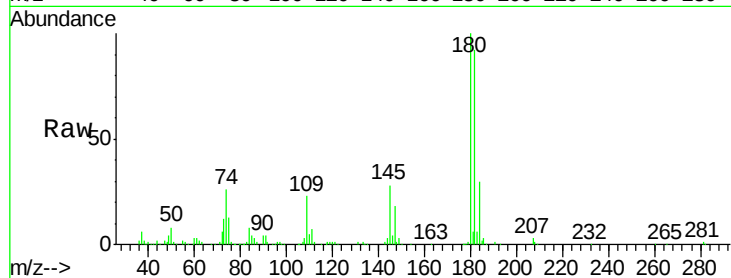




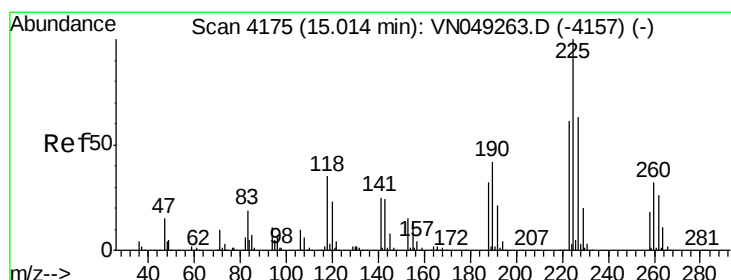
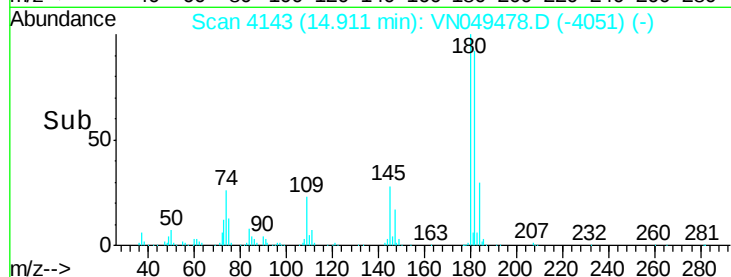
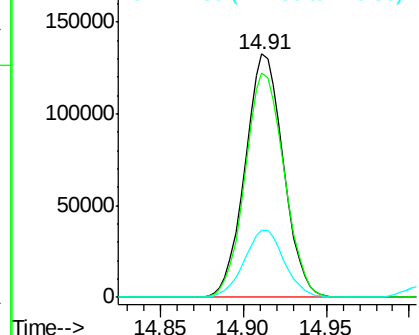
#93
1,2,4-Trichlorobenzene
Concen: 17.09 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:180 Resp: 212778
Ion Ratio Lower Upper
180 100
182 94.0 46.9 140.8
145 29.0 14.7 44.1

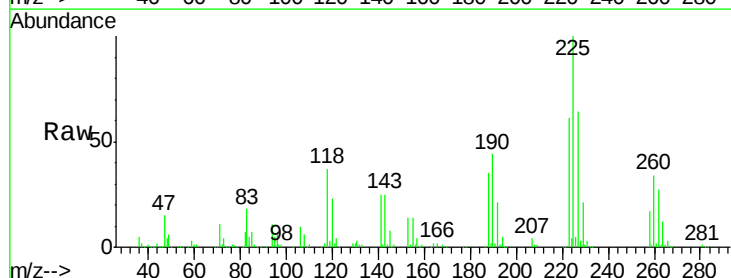


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

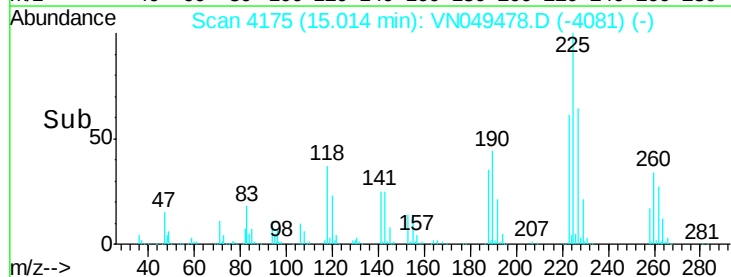
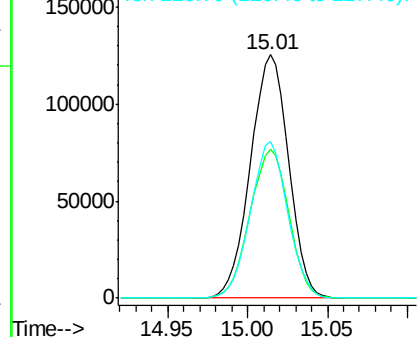


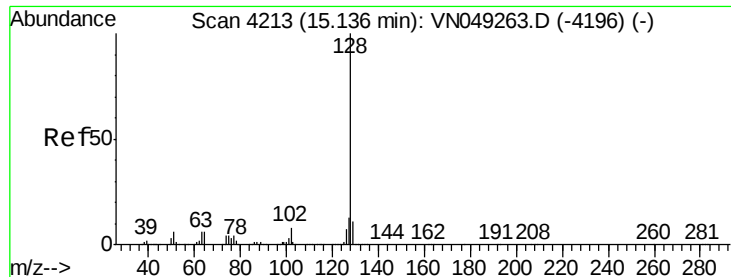
#94
Hexachlorobutadiene
Concen: 18.87 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion:225 Resp: 204676
Ion Ratio Lower Upper
225 100
223 62.4 32.1 96.3
227 63.0 31.8 95.3



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

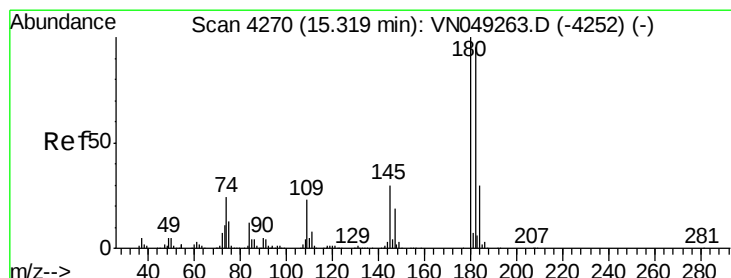
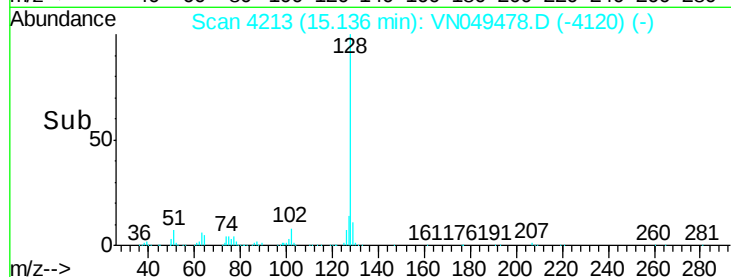
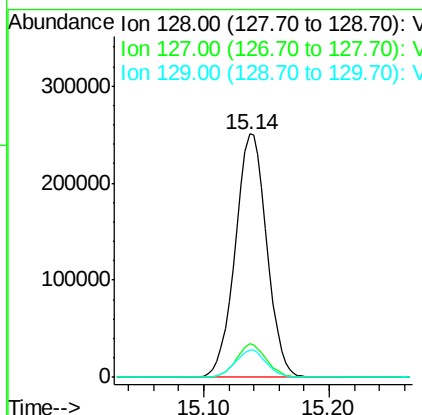
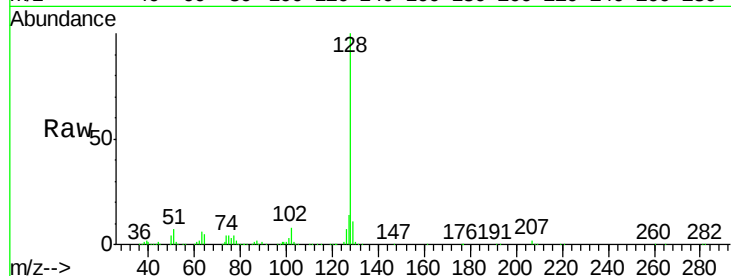




#95
Naphthalene
Concen: 18.60 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 436833
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 17.74 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion:180 Resp: 233905
Ion Ratio Lower Upper
180 100
182 96.6 47.3 141.8
145 30.9 15.6 46.7

