

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049656.D
 Acq On : 30 Jun 2018 19:10
 Operator : MD\SY
 Sample : J3752-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:25:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1263742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2030957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1717238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	626503	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	846978	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.59	113	740342	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	10.09	98	2751251	46.29	ug/l	0.00
Spiked Amount			Recovery	=	92.58%	
62) 4-Bromofluorobenzene	12.40	95	784490	38.66	ug/l	0.00
Spiked Amount			Recovery	=	77.32%	

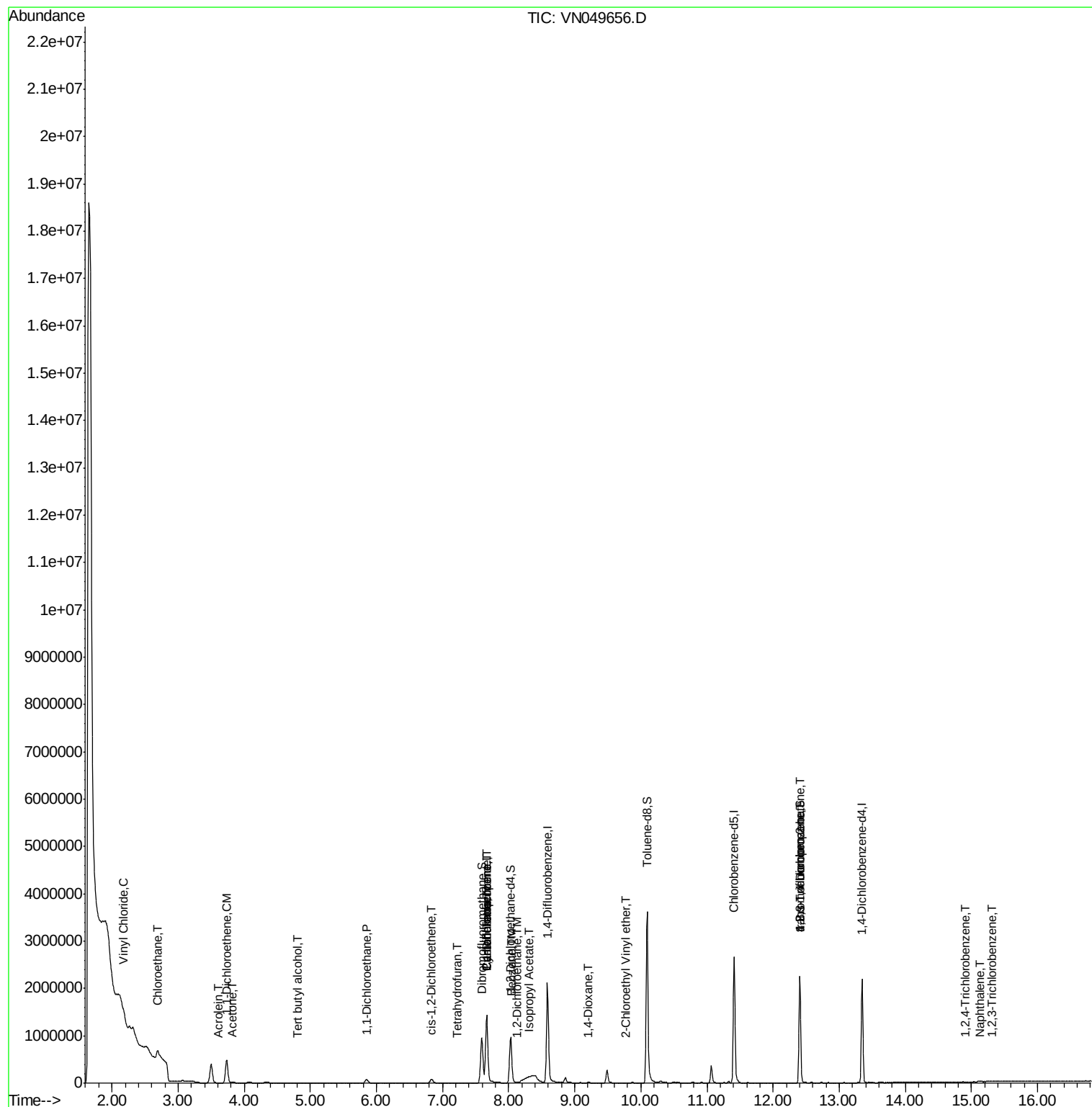
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	80470	4.21	ug/l	97
6) Chloroethane	2.69	64	4409	0.36	ug/l	91
11) Tert butyl alcohol	4.81	59	555	0.58	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	266994	17.99	ug/l	98
13) Acrolein	3.61	56	908	1.02	ug/l	92
16) Acetone	3.83	43	30645	1.19	ug/l	100
17) Carbon Disulfide	4.04	76	3314	Below Cal	#	90
18) Methyl Acetate	4.34	43	50052	Below Cal		97
24) 1,1-Dichloroethane	5.85	63	111397	3.83	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	49909	2.92	ug/l	88
29) Tetrahydrofuran	7.22	42	1270	0.36	ug/l #	86
31) Cyclohexane	7.67	56	23828	0.22	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	90292	3.95	ug/l #	49
38) Carbon Tetrachloride	7.67	117	113981	5.13	ug/l #	17
40) Benzene	8.05	78	23103	0.33	ug/l	95
42) 1,2-Dichloroethane	8.13	62	7648	0.34	ug/l	98
43) Isopropyl Acetate	8.30	43	238138	8.52	ug/l #	62
49) 1,4-Dioxane	9.20	88	6423	40.34	ug/l #	76
58) 2-Chloroethyl Vinyl ether	9.78	63	1355	10.96	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.50	83	67	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	382578	38.08	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	382578	129.32	ug/l #	14
87) 1,3-Dichlorobenzene	13.29	146	716	Below Cal		83
88) 1,4-Dichlorobenzene	13.29	146	716	Below Cal		84
91) 1,2-Dichlorobenzene	13.66	146	558	Below Cal	#	48
92) 1,2-Dibromo-3-Chloropropan	14.26	75	84	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	159	2.42	ug/l #	87
94) Hexachlorobutadiene	15.02	225	119	Below Cal	#	19
95) Naphthalene	15.14	128	983	4.08	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	121	1.66	ug/l #	12

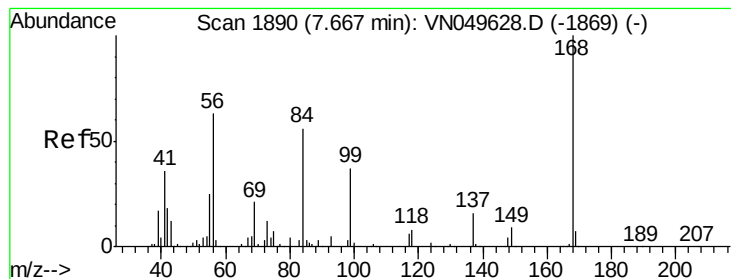
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
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: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

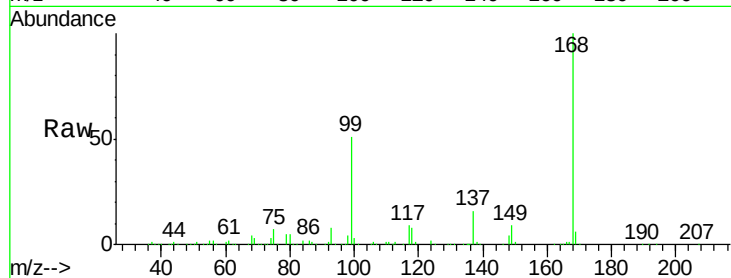
ClientSampled :

Tot Ion:168 Resp: 1263742

Ion Ratio Lower Upper

168 100

99 51.1 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

100000

0

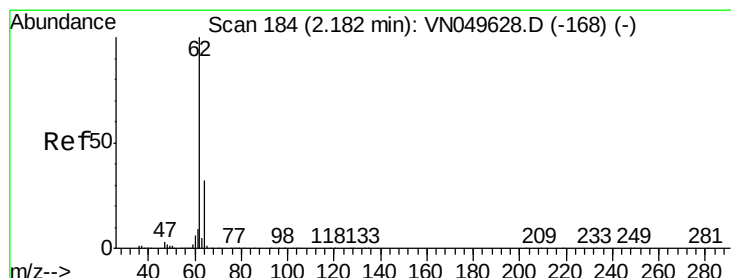
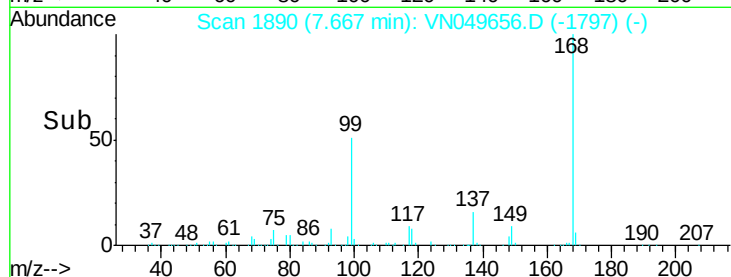
7.67

7.60

7.70

7.80

Time-->



#4

Vinyl Chloride

Concen: 4.21 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049656.D

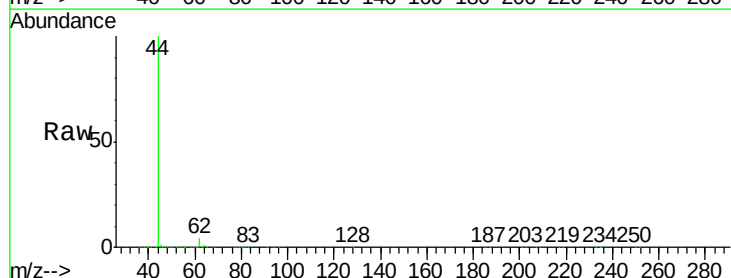
Acq: 30 Jun 2018 19:10

Tgt Ion: 62 Resp: 80470

Ion Ratio Lower Upper

62 100

64 33.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

60000

50000

40000

30000

20000

10000

0

2.18

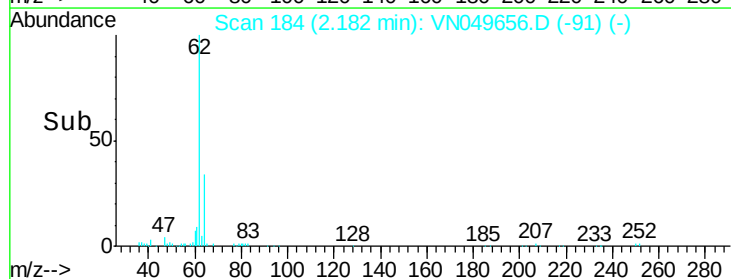
2.10

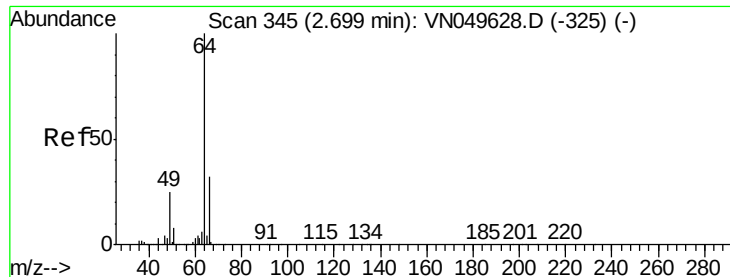
2.15

2.20

2.25

Time-->





#6

Chloroethane

Concen: 0.36 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

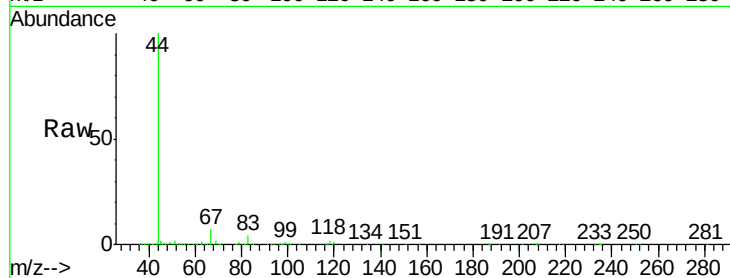
ClientSampleId :

Tot Ion: 64 Resp: 4409

Ion Ratio Lower Upper

64 100

66 27.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

2500

2000

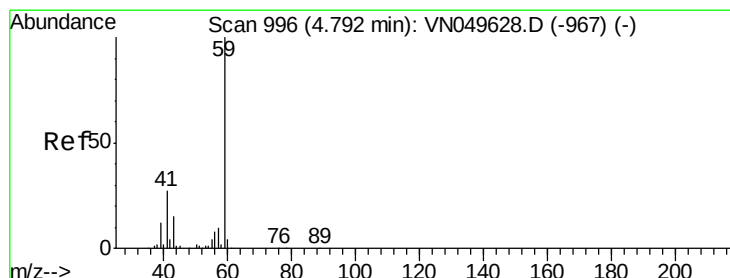
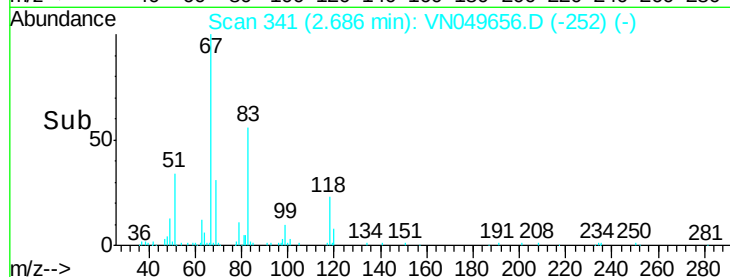
1500

1000

500

0

Time-->



#11

Tert butyl alcohol

Concen: 0.58 ug/l

RT: 4.81 min Scan# 1001

Delta R.T. 0.02 min

Lab File: VN049656.D

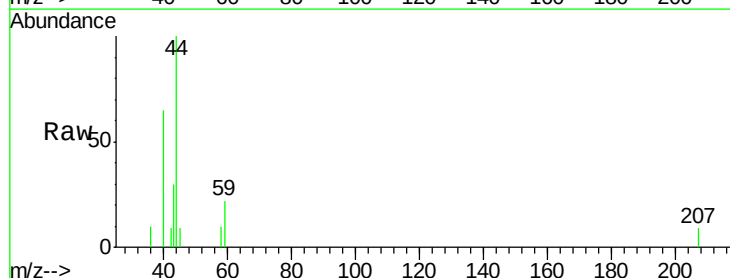
Acq: 30 Jun 2018 19:10

Tgt Ion: 59 Resp: 555

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.81

500

400

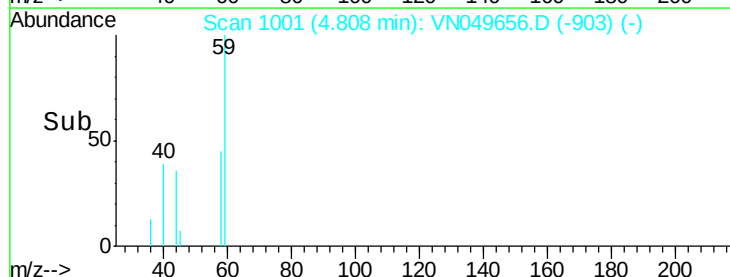
300

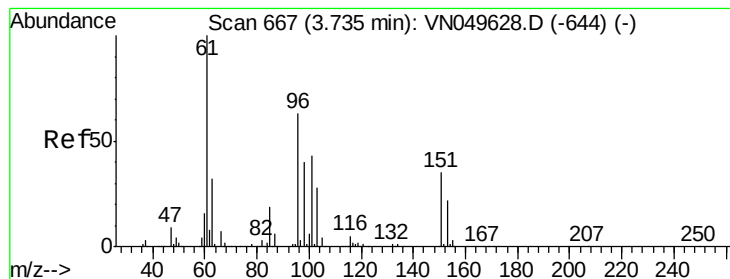
200

100

0

Time-->





#12

1,1-Dichloroethene

Concen: 17.99 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

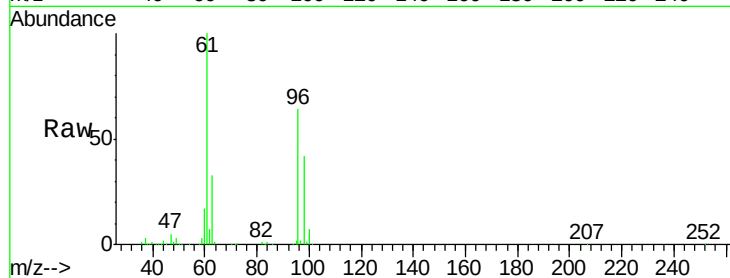
Tot Ion: 96 Resp: 266994

Ion Ratio Lower Upper

96 100

61 156.3 126.5 189.7

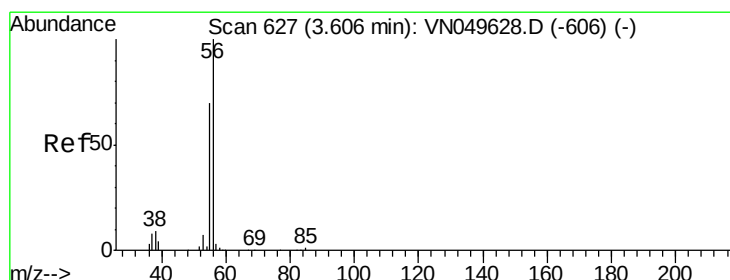
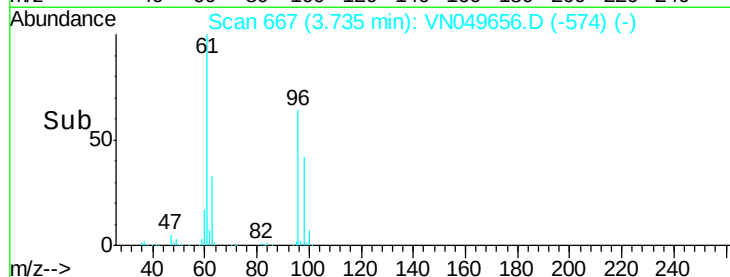
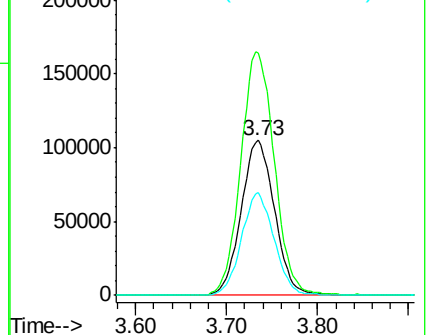
98 66.1 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-644) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-644) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-644) (-)



#13

Acrolein

Concen: 1.02 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049656.D

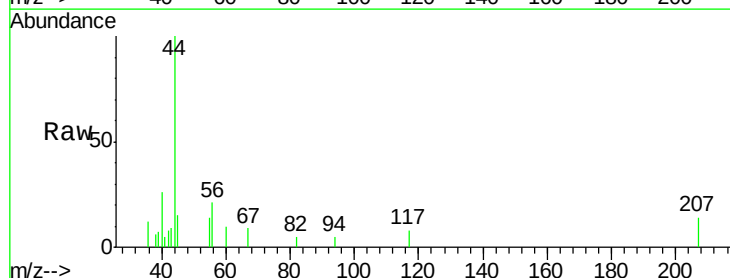
Acq: 30 Jun 2018 19:10

Tgt Ion: 56 Resp: 908

Ion Ratio Lower Upper

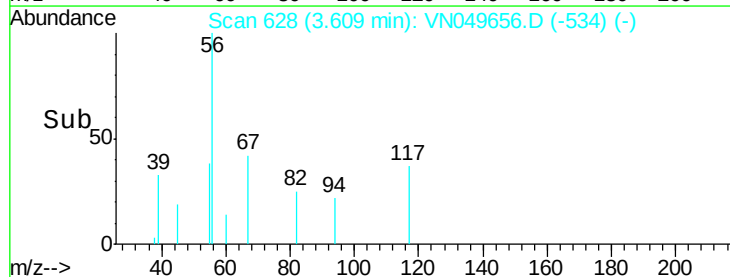
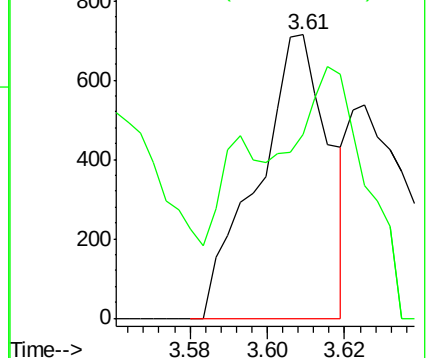
56 100

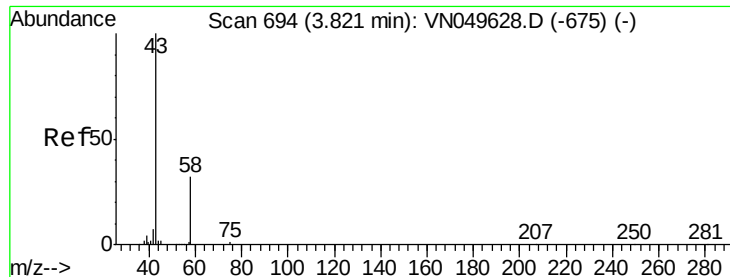
55 76.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-606) (-)

Ion 55.00 (54.70 to 55.70): VN049628.D (-606) (-)





#16

Acetone

Concen: 1.19 ua/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

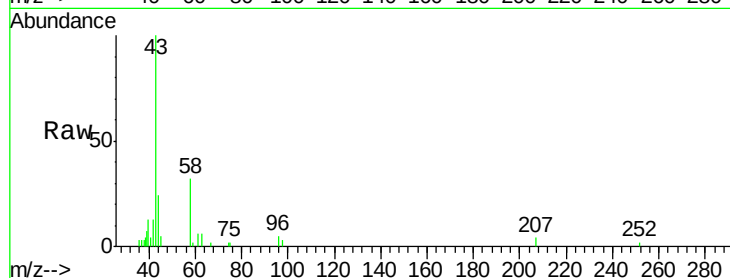
ClientSampleId :

Tot Ion: 43 Resp: 30645

Ion Ratio Lower Upper

43 100

58 32.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)

12000

10000

8000

6000

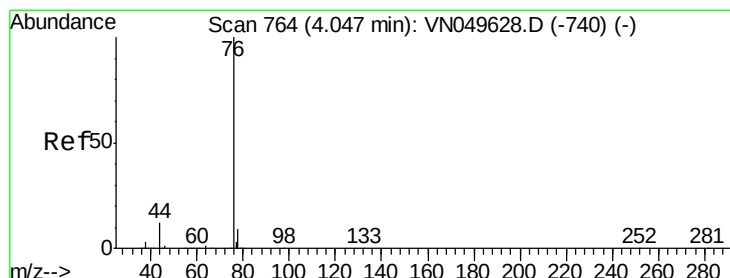
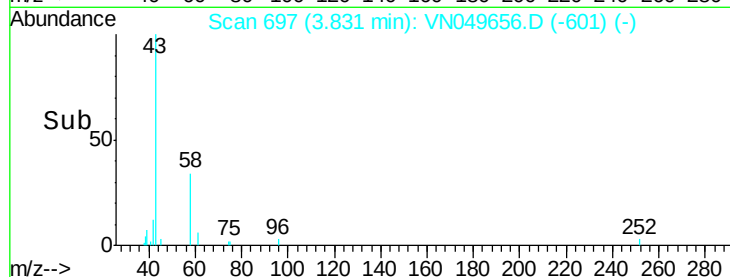
4000

2000

0

3.75 3.80 3.85 3.90

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049656.D

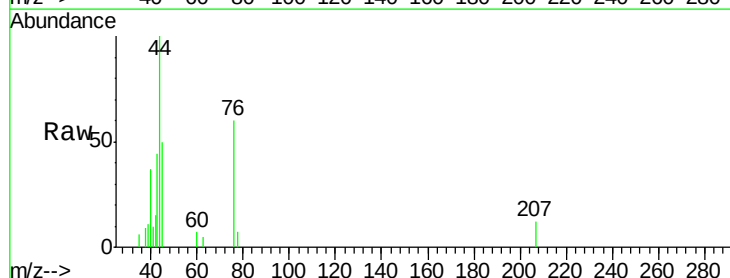
Acq: 30 Jun 2018 19:10

Tgt Ion: 76 Resp: 3314

Ion Ratio Lower Upper

76 100

78 12.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

2000

1500

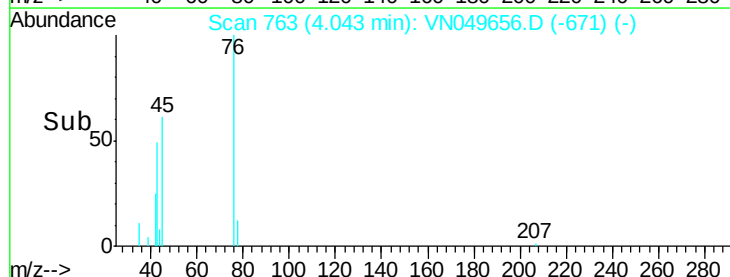
1000

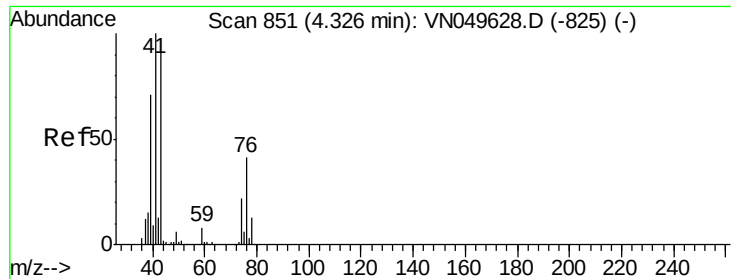
500

0

4.00 4.05

Time-->

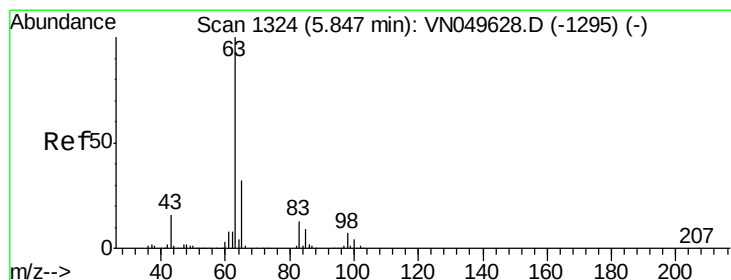
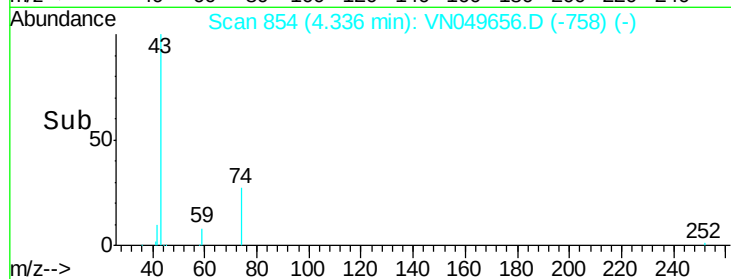
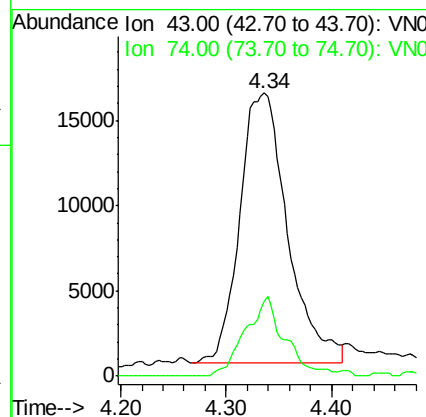
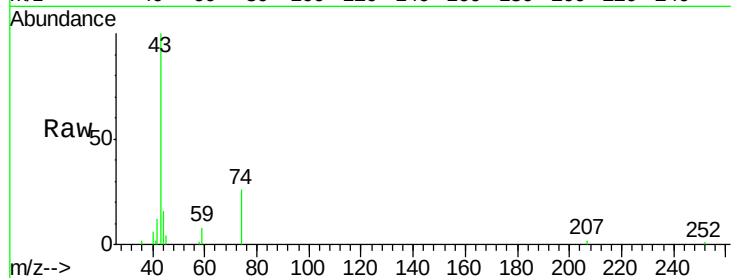




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049656.D
Acq: 30 Jun 2018 19:10

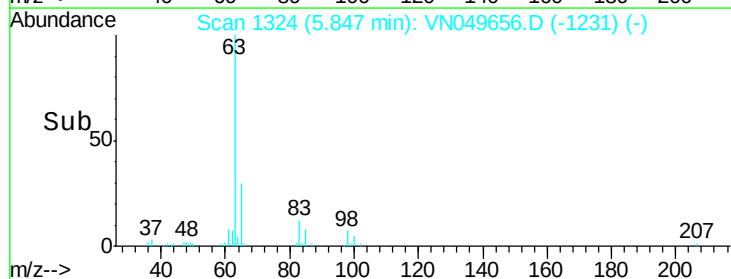
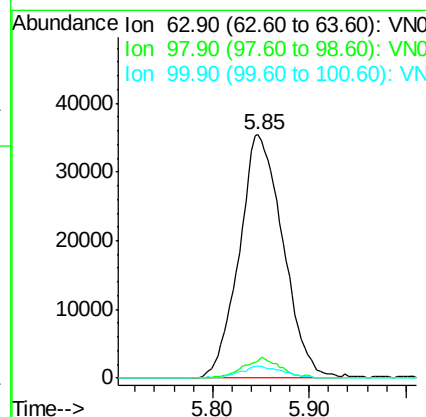
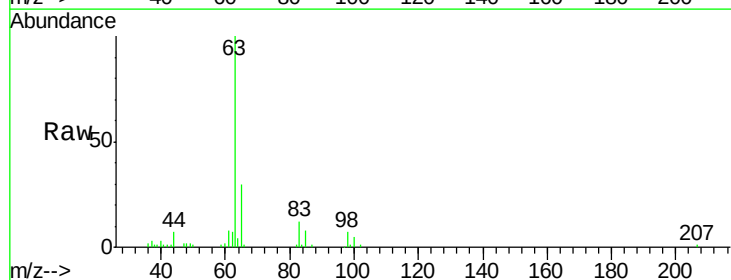
Instrument :
MSVOA_N
ClientSampled :

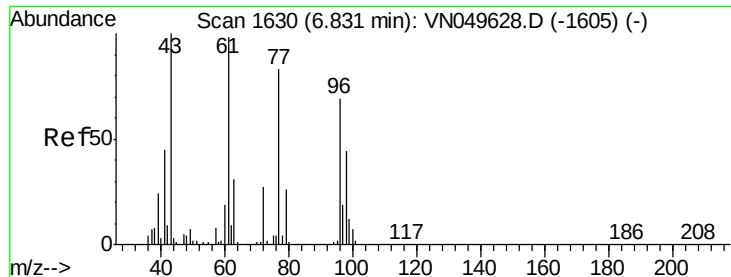
Tot Ion: 43 Resp: 50052
Ion Ratio Lower Upper
43 100
74 23.5 19.8 29.8



#24
1,1-Dichloroethane
Concen: 3.83 ug/l
RT: 5.85 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VN049656.D
Acq: 30 Jun 2018 19:10

Tgt Ion: 63 Resp: 111397
Ion Ratio Lower Upper
63 100
98 7.3 3.4 10.2
100 5.1 2.2 6.6

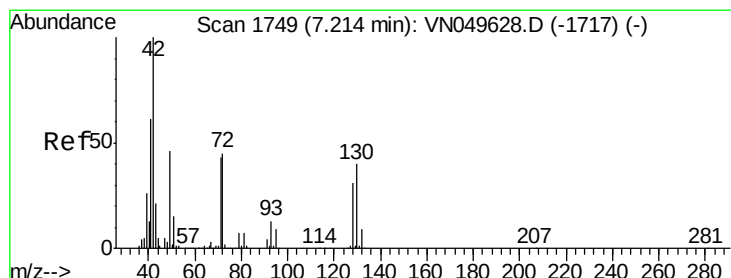
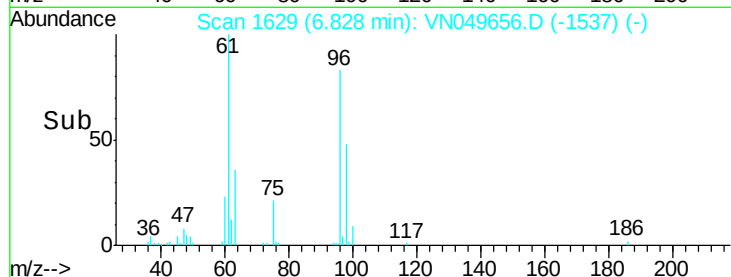
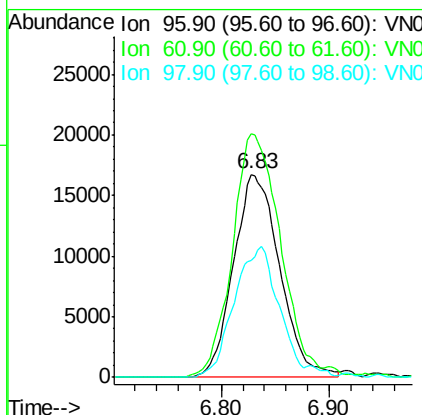
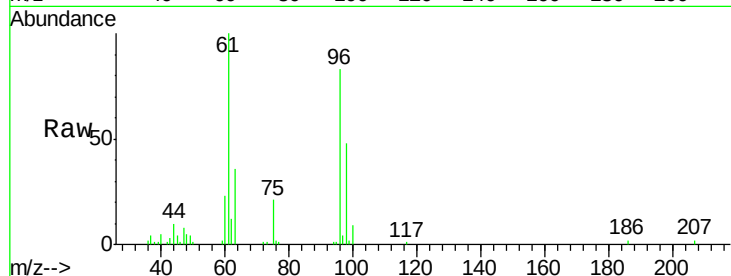




#27
 cis-1,2-Dichloroethene
 Concen: 2.92 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049656.D
 Acq: 30 Jun 2018 19:10

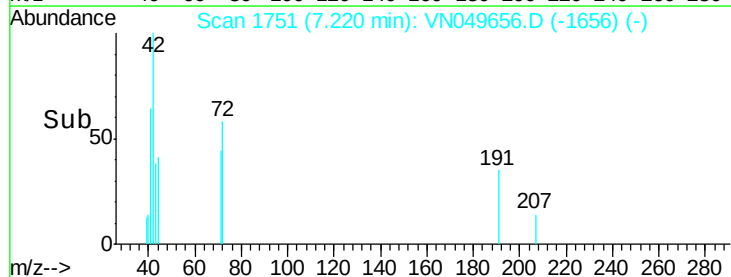
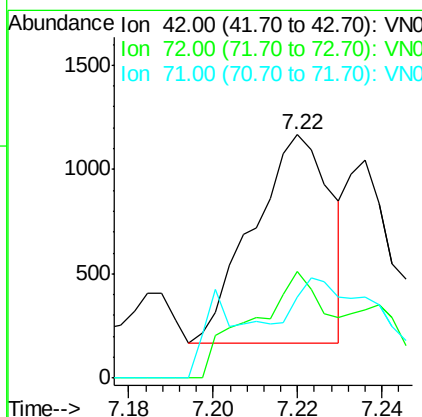
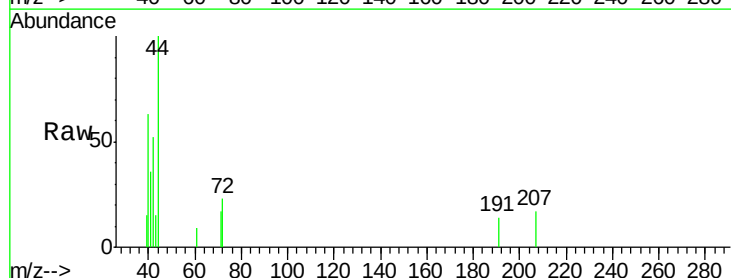
Instrument :
 MSVOA_N
 ClientSampleId :

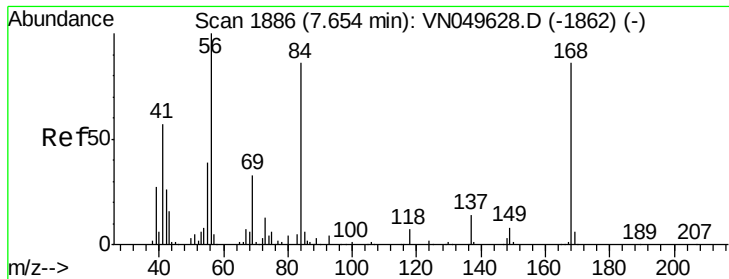
Tot Ion: 96 Resp: 49909
 Ion Ratio Lower Upper
 96 100
 61 124.1 0.0 289.0
 98 63.5 0.0 130.2



#29
 Tetrahydrofuran
 Concen: 0.36 ug/l
 RT: 7.22 min Scan# 1751
 Delta R.T. 0.01 min
 Lab File: VN049656.D
 Acq: 30 Jun 2018 19:10

Tgt Ion: 42 Resp: 1270
 Ion Ratio Lower Upper
 42 100
 72 48.8 35.6 53.4
 71 56.1 34.0 51.0#

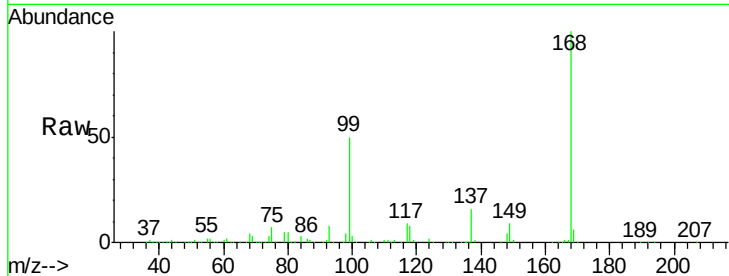




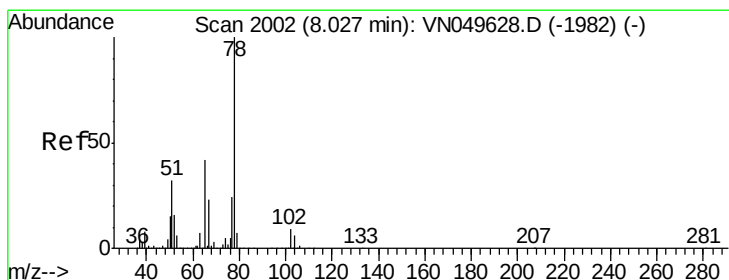
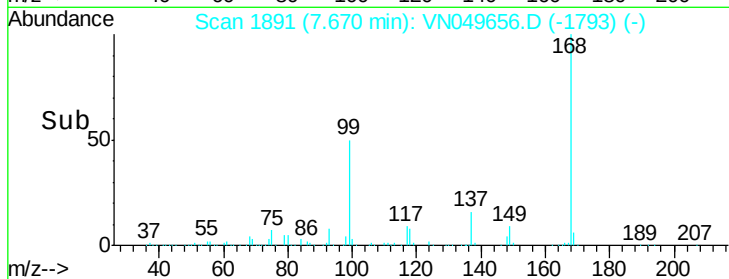
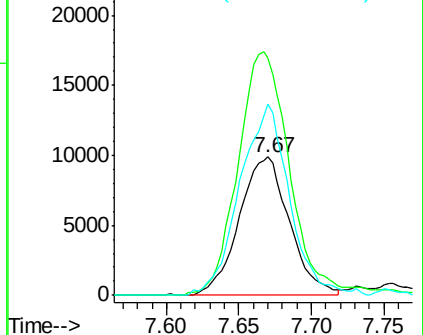
#31
Cyclohexane
Concen: 0.22 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049656.D
Acq: 30 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 23828
Ion Ratio Lower Upper
56 100
69 169.1 26.6 40.0#
84 138.1 69.0 103.6#

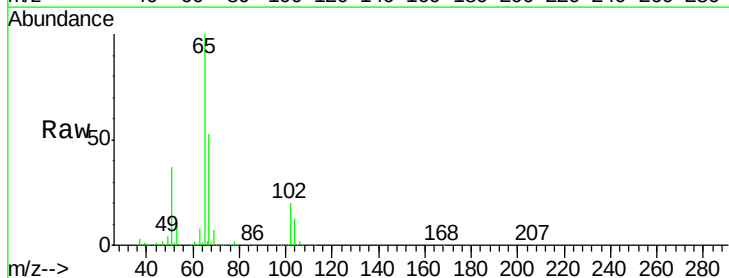


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

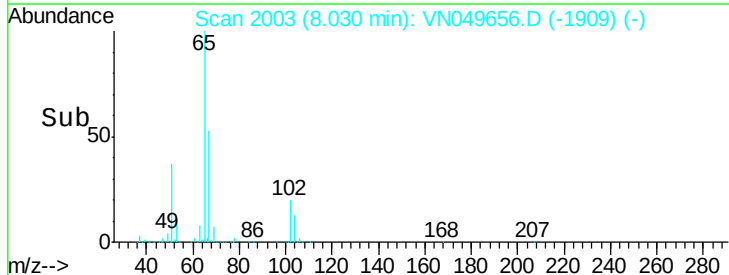
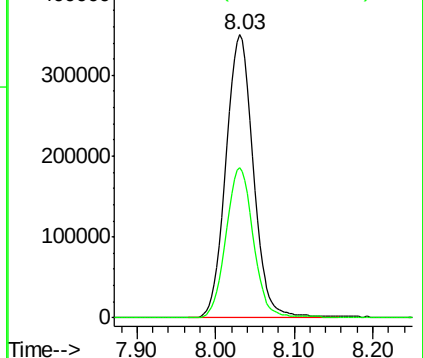


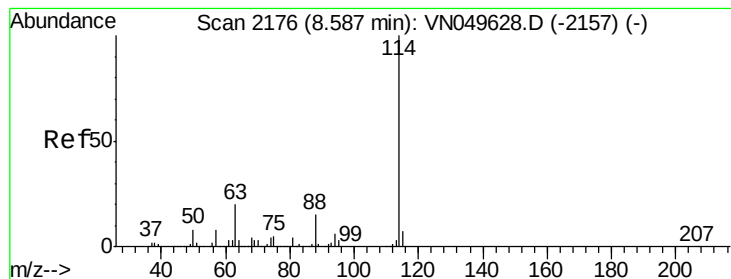
#33
1,2-Dichloroethane-d4
Concen: 50.75 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049656.D
Acq: 30 Jun 2018 19:10

Tgt Ion: 65 Resp: 846978
Ion Ratio Lower Upper
65 100
67 52.7 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

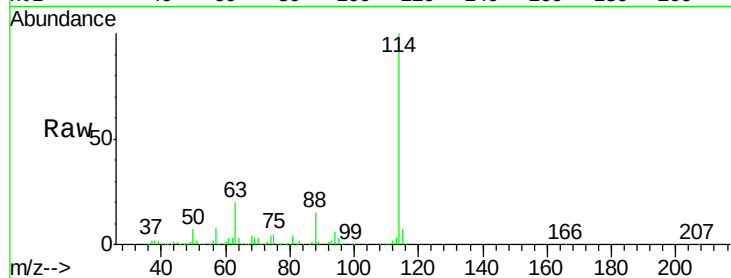
Tot Ion:114 Resp: 2030957

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

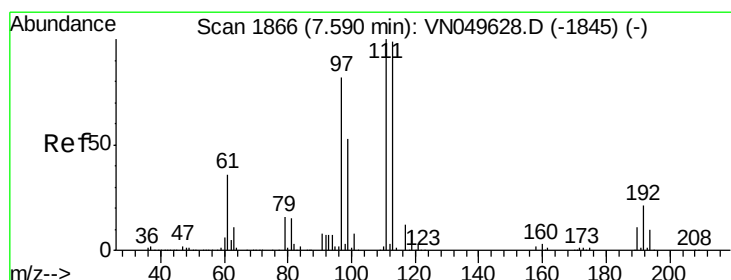
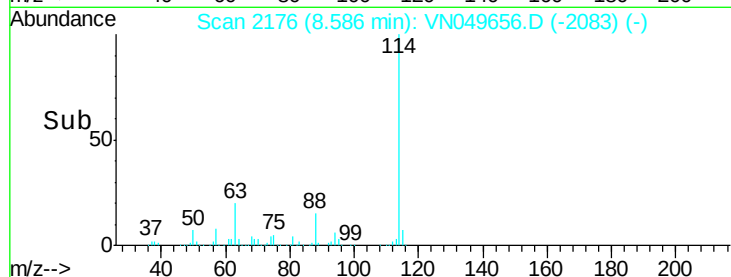
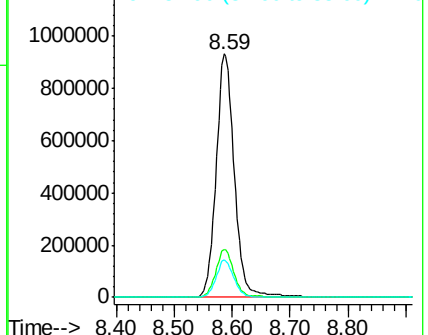
88 15.3 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 48.76 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

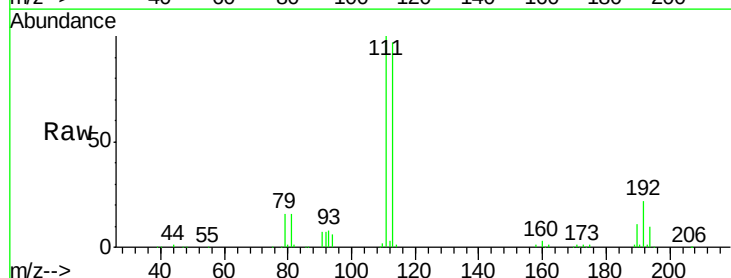
Tgt Ion:113 Resp: 740342

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

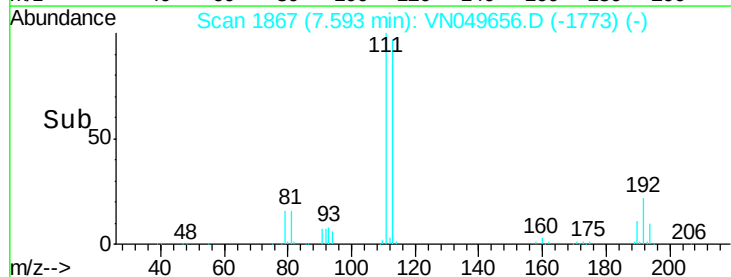
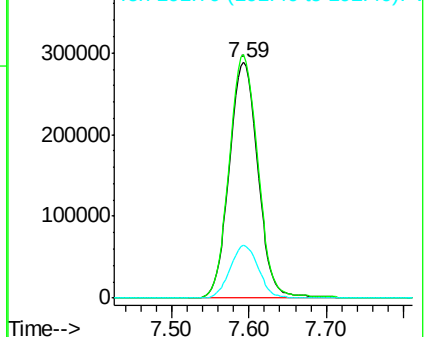
192 22.2 17.8 26.6

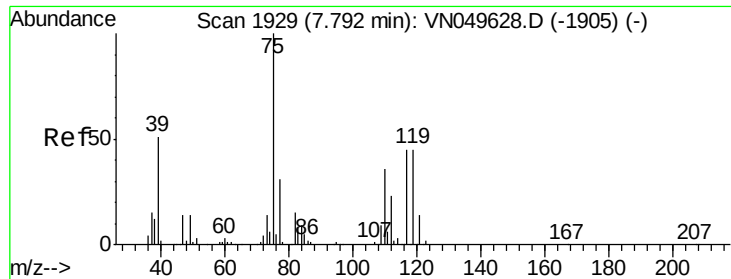


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.95 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

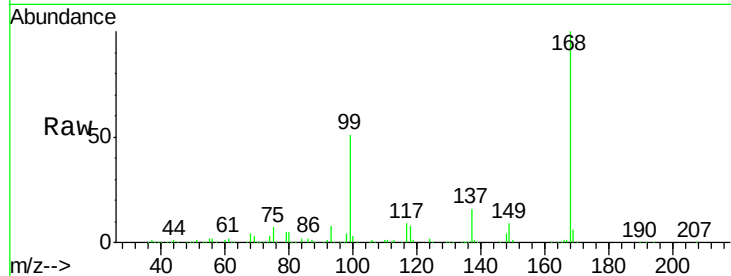
Tot Ion: 75 Resp: 90292

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.4#

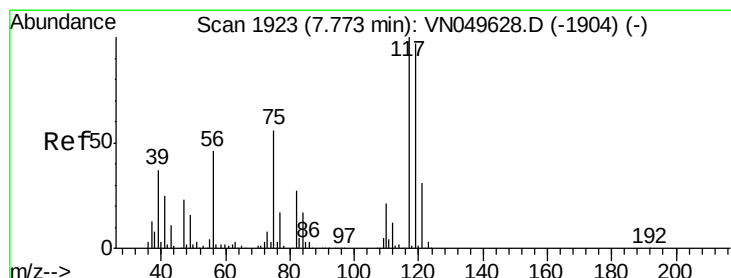
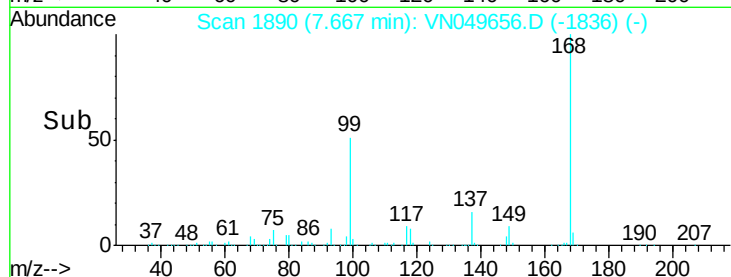
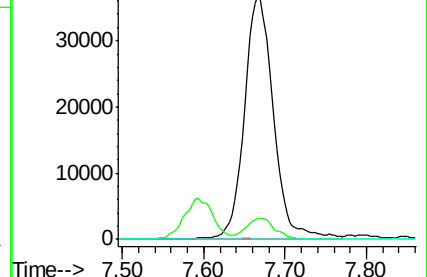
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN049628.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049628.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049628.D (-1905) (-)



#38

Carbon Tetrachloride

Concen: 5.13 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.10 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

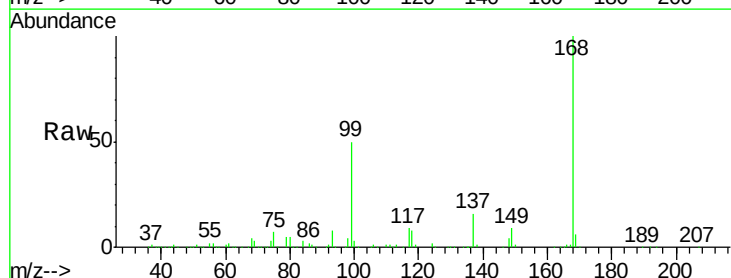
Tgt Ion: 117 Resp: 113981

Ion Ratio Lower Upper

117 100

119 6.4 77.2 115.8#

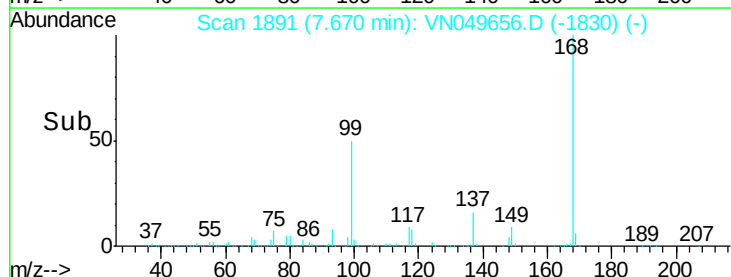
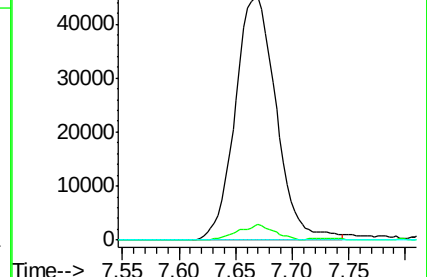
121 0.0 25.0 37.6#

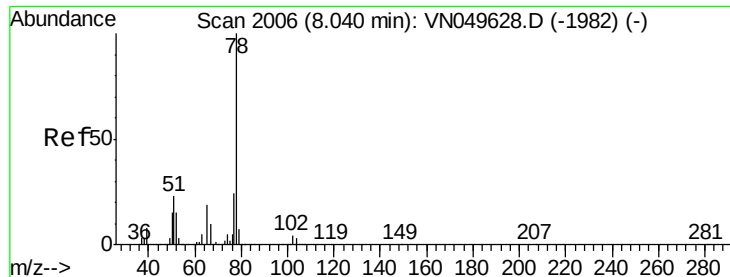


Abundance Ion 116.80 (116.50 to 117.50): VN049628.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049628.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049628.D (-1904) (-)





#40

Benzene

Concen: 0.33 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.01 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

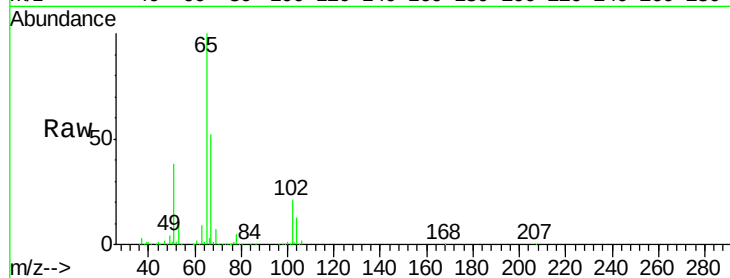
ClientSampleId :

Tot Ion: 78 Resp: 23103

Ion Ratio Lower Upper

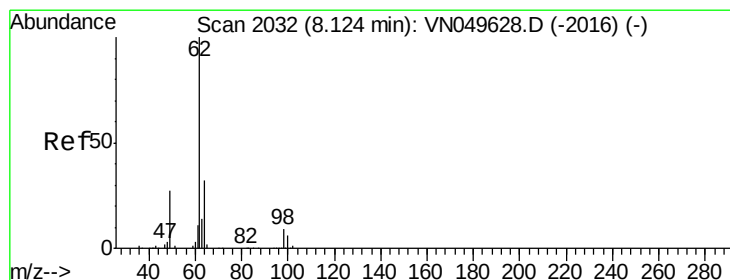
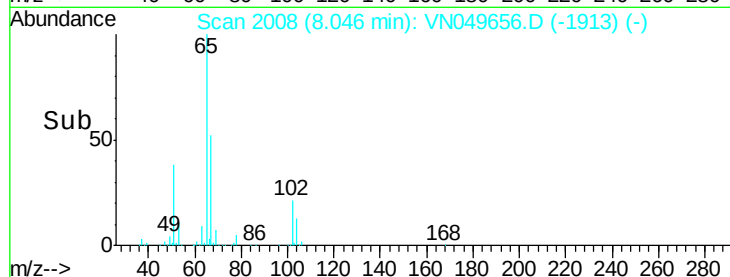
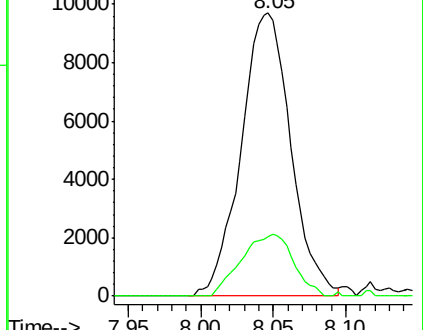
78 100

77 21.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN049628.D (-1982) (-)

Ion 77.00 (76.70 to 77.70): VN049628.D (-1982) (-)



#42

1,2-Dichloroethane

Concen: 0.34 ug/l

RT: 8.13 min Scan# 2034

Delta R.T. 0.01 min

Lab File: VN049656.D

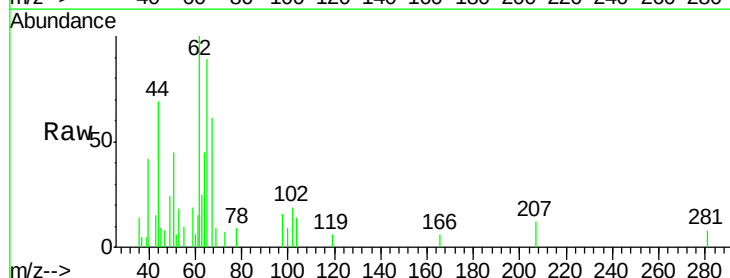
Acq: 30 Jun 2018 19:10

Tgt Ion: 62 Resp: 7648

Ion Ratio Lower Upper

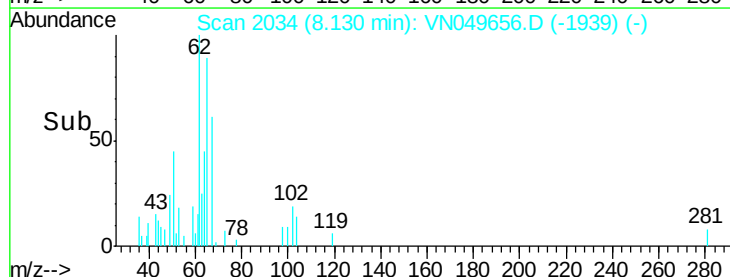
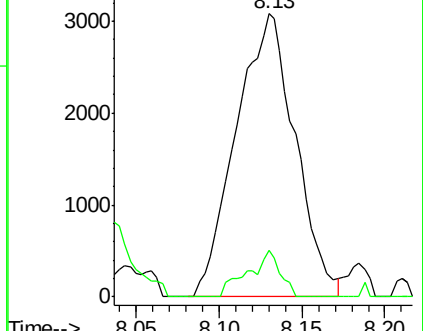
62 100

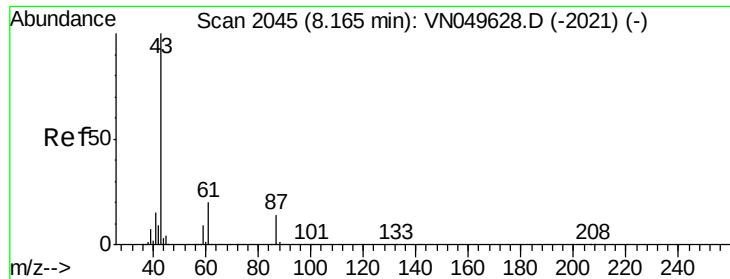
98 8.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN049628.D (-2016) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-2016) (-)





#43

Isopropyl Acetate

Concen: 8.52 ug/l

RT: 8.30 min Scan# 2087

Delta R.T. 0.14 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

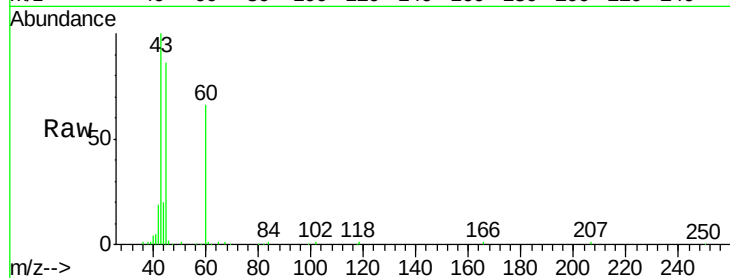
Tot Ion: 43 Resp: 238138

Ion Ratio Lower Upper

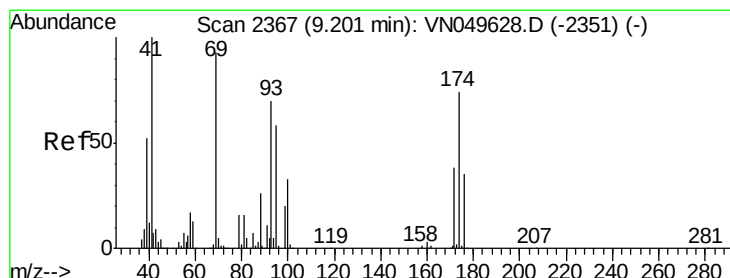
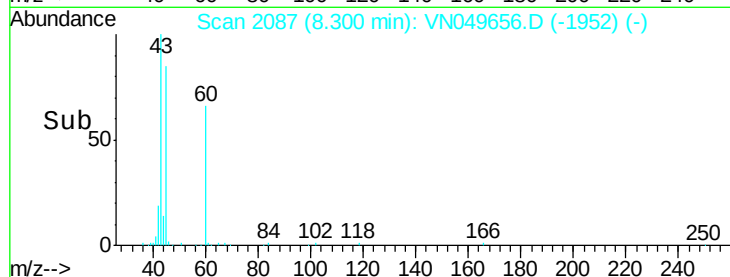
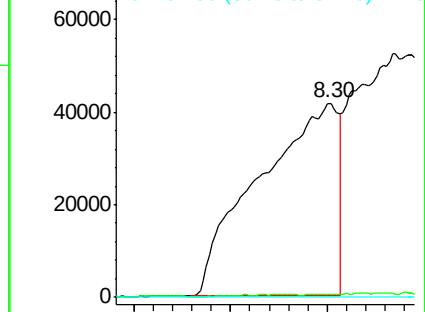
43 100

61 0.0 14.9 22.3#

87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 40.34 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

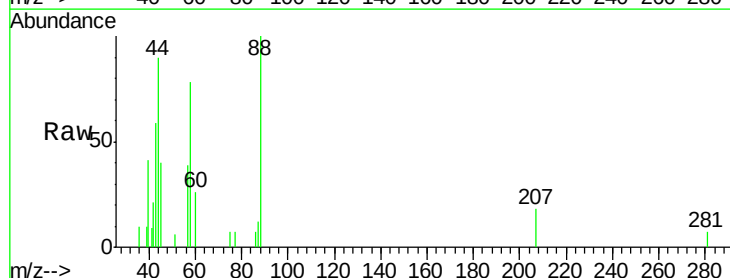
Tgt Ion: 88 Resp: 6423

Ion Ratio Lower Upper

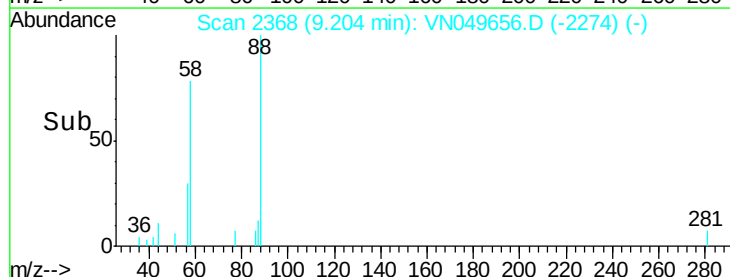
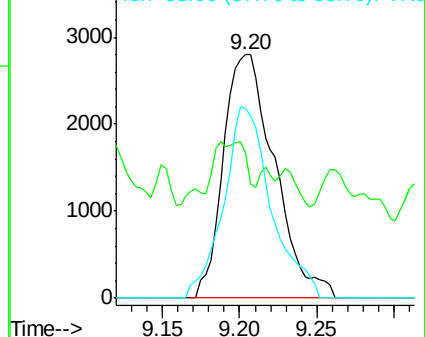
88 100

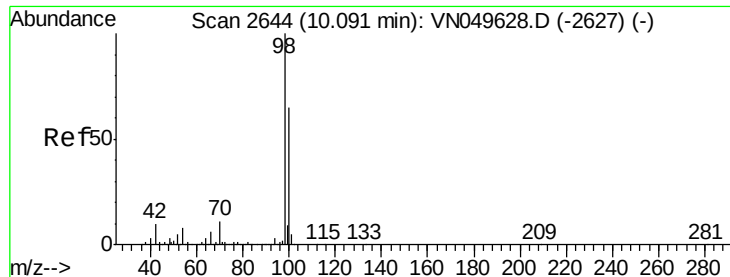
43 1.9 25.1 37.7#

58 73.0 52.5 78.7



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

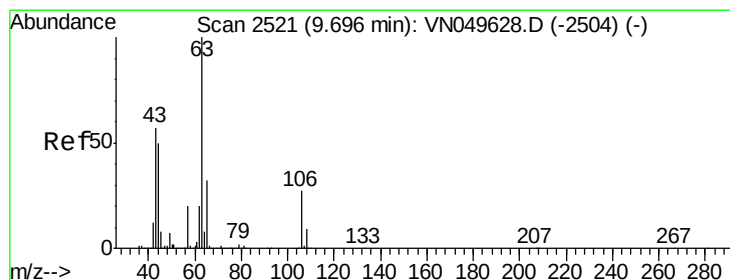
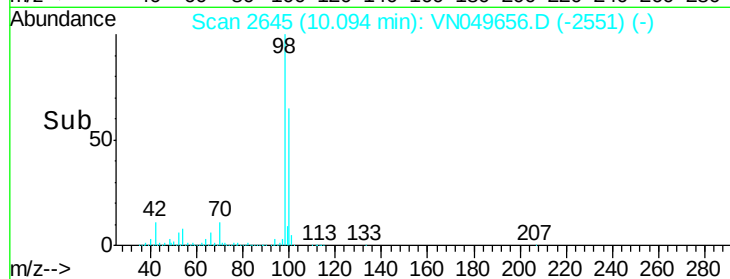
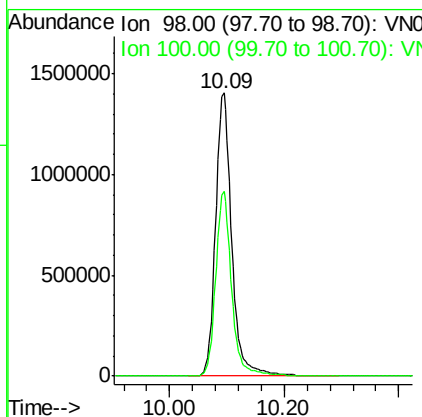
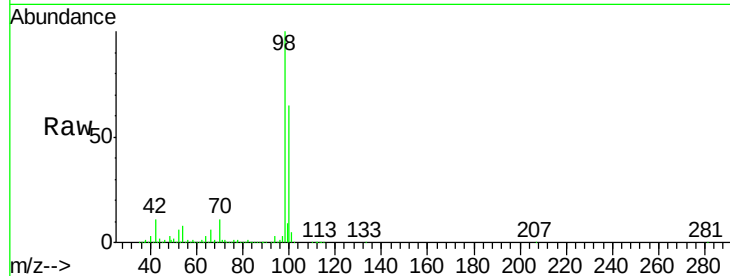




#50
Toluene-d8
Concen: 46.29 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049656.D
Acq: 30 Jun 2018 19:10

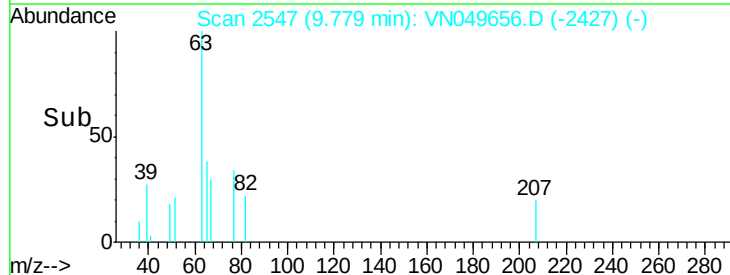
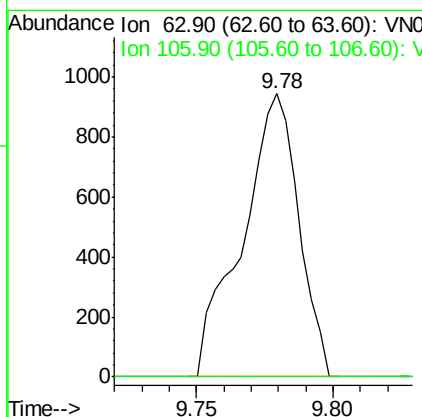
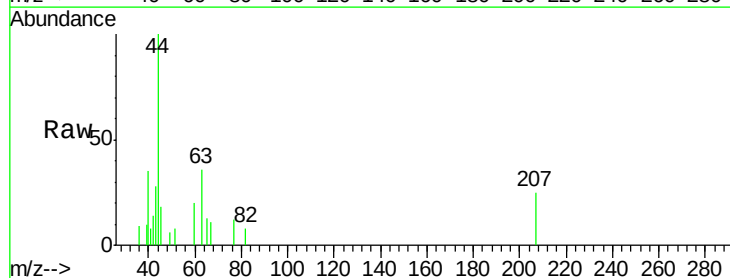
Instrument :
MSVOA_N
ClientSampled :

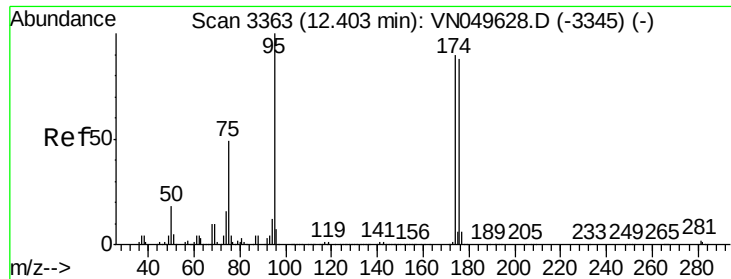
Tot Ion: 98 Resp: 2751251
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#58
2-Chloroethyl Vinyl ether
Concen: 10.96 ug/l
RT: 9.78 min Scan# 2547
Delta R.T. 0.08 min
Lab File: VN049656.D
Acq: 30 Jun 2018 19:10

Tgt Ion: 63 Resp: 1355
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.8#





#62

4-Bromofluorobenzene

Concen: 38.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

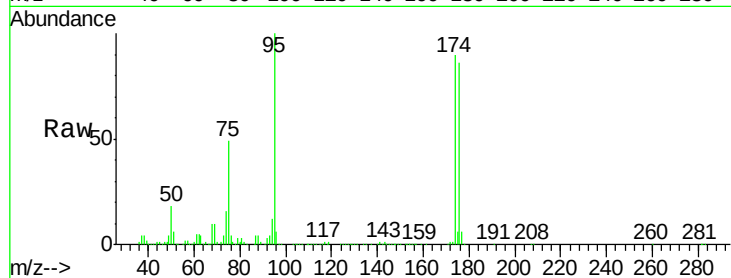
Tot Ion: 95 Resp: 784490

Ion Ratio Lower Upper

95 100

174 90.4 0.0 179.6

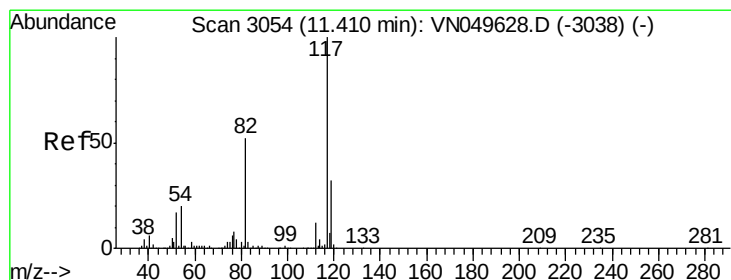
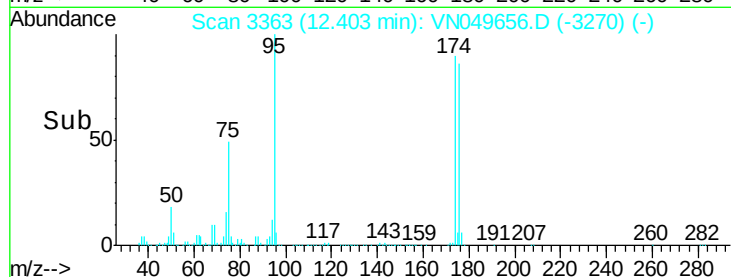
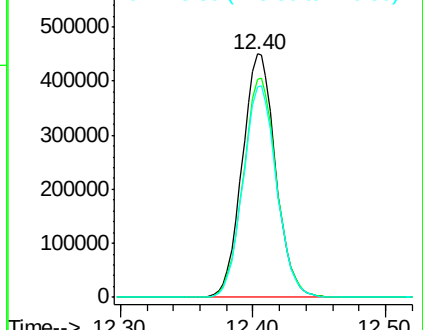
176 87.2 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049628.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049628.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049628.D (-3345) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

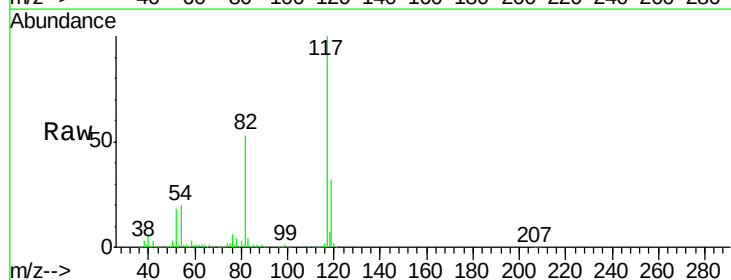
Tgt Ion: 117 Resp: 1717238

Ion Ratio Lower Upper

117 100

82 53.3 41.9 62.9

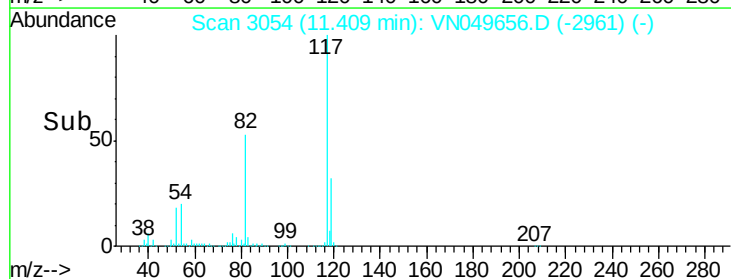
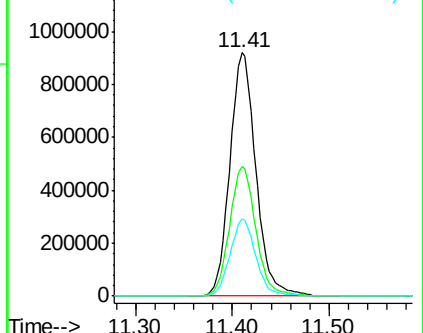
119 31.9 25.4 38.2

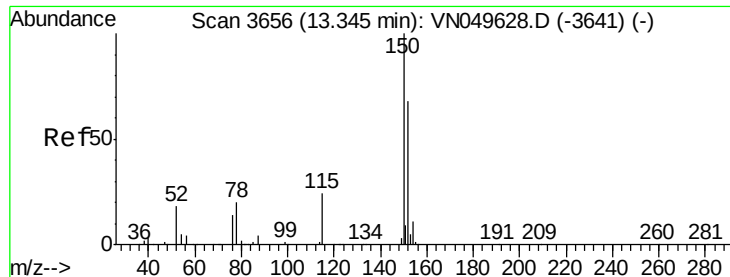


Abundance Ion 116.90 (116.60 to 117.60): VN049628.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049628.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049628.D (-3038) (-)

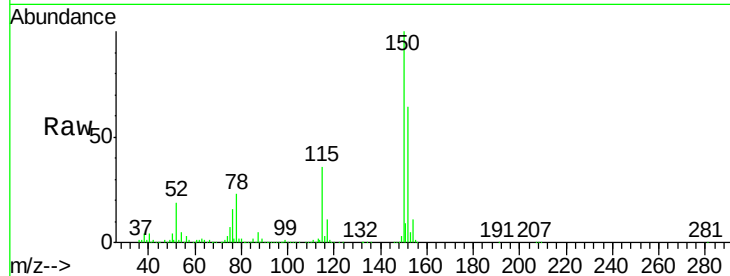




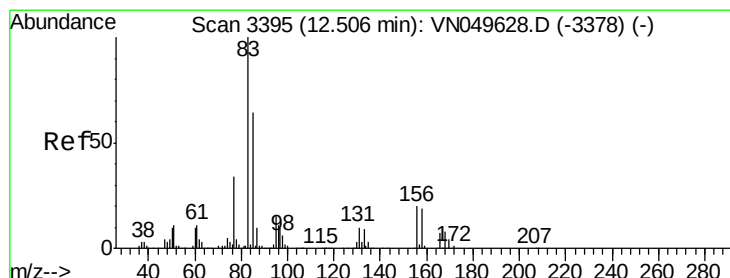
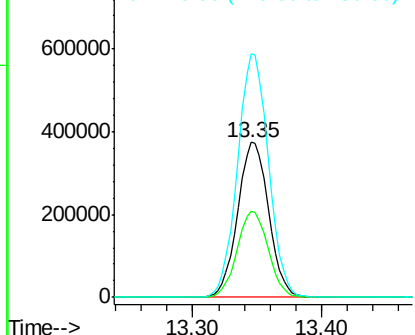
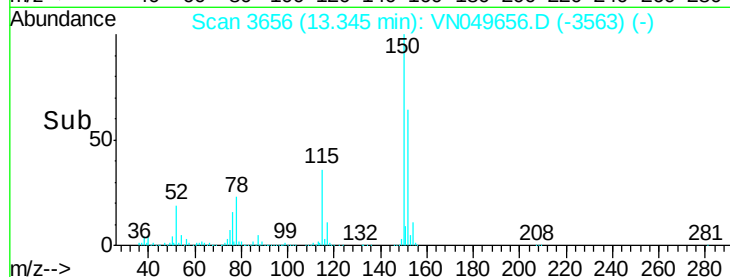
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: VN049656.D
 Acq: 30 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:152 Resp: 626503
 Ion Ratio Lower Upper
 152 100
 115 55.7 28.1 84.2
 150 156.7 0.0 347.6

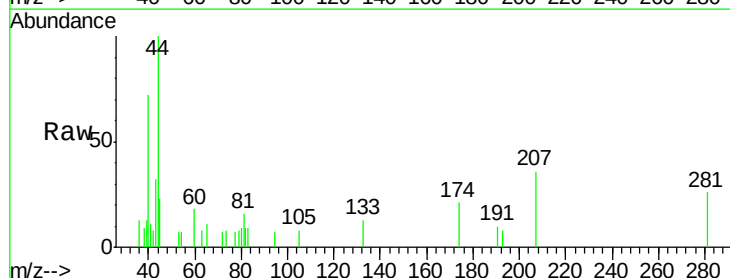


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

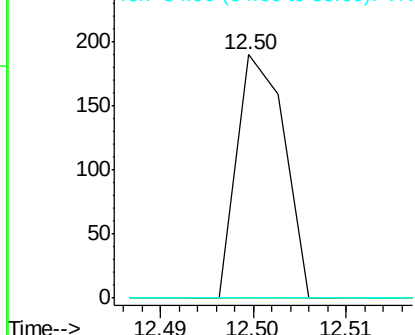
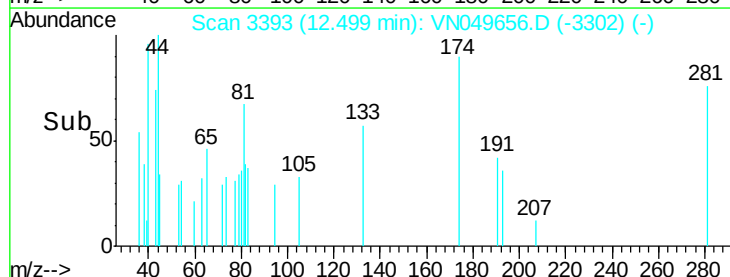


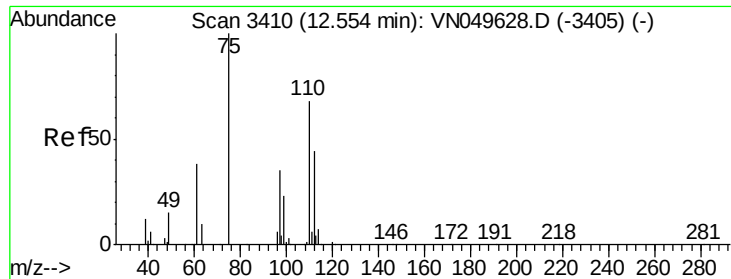
#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.50 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VN049656.D
 Acq: 30 Jun 2018 19:10

Tgt Ion: 83 Resp: 67
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 0.0 32.5 97.4#



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





#76

1,2,3-Trichloropropane

Concen: 38.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

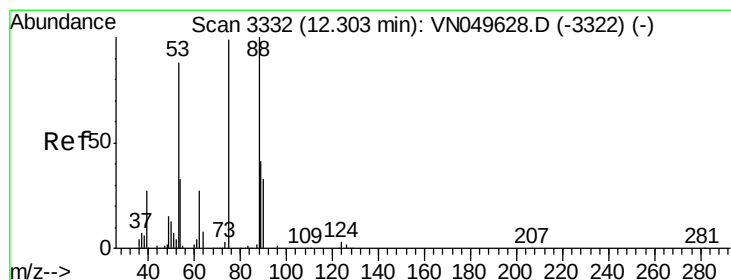
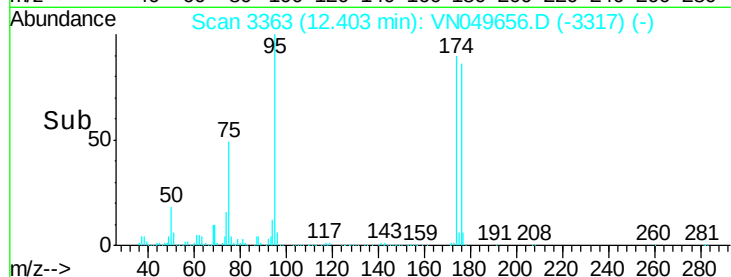
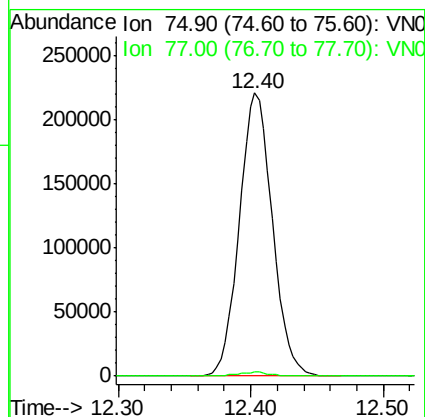
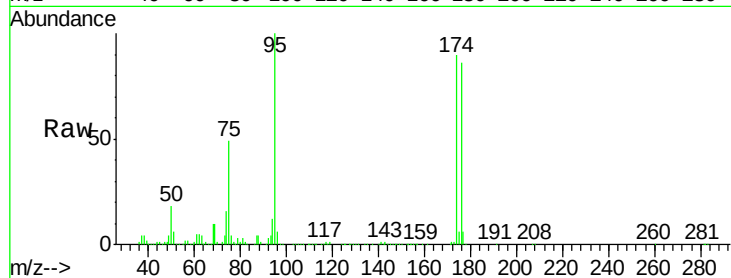
ClientSampleId :

Tot Ion: 75 Resp: 382578

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 129.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

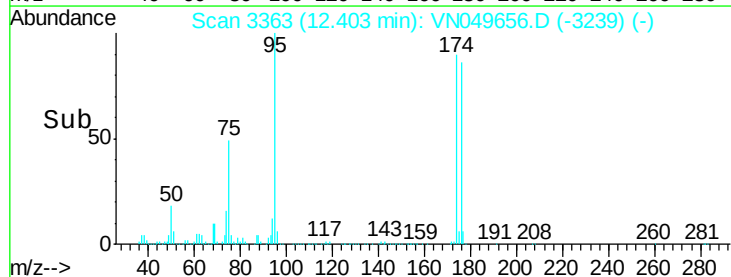
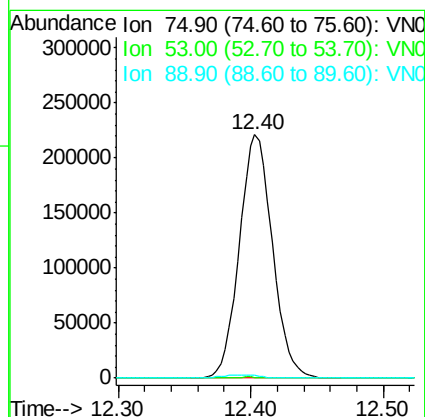
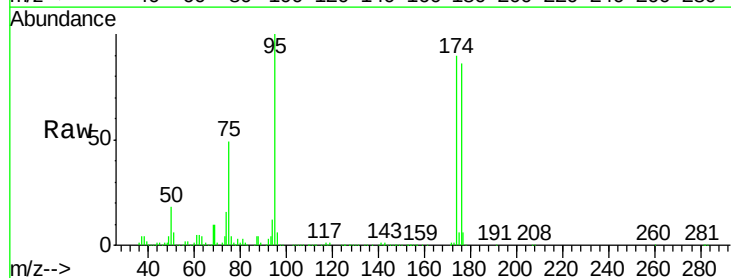
Tgt Ion: 75 Resp: 382578

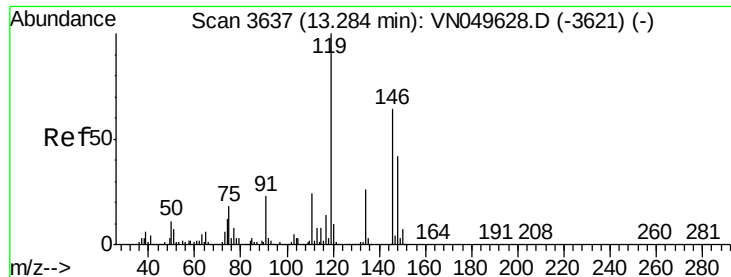
Ion Ratio Lower Upper

75 100

53 0.5 73.9 110.9#

89 1.5 35.9 53.9#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

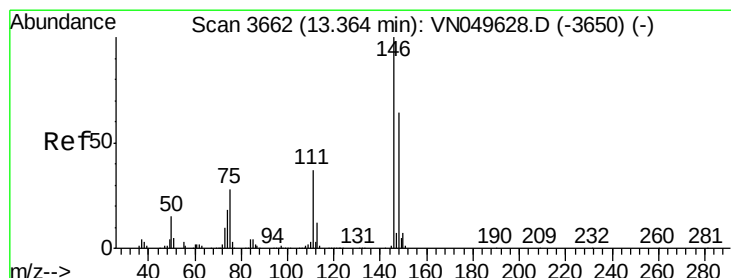
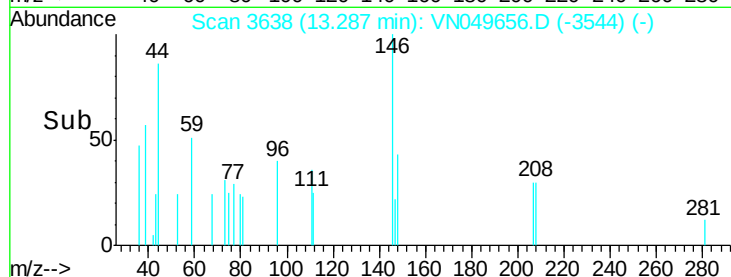
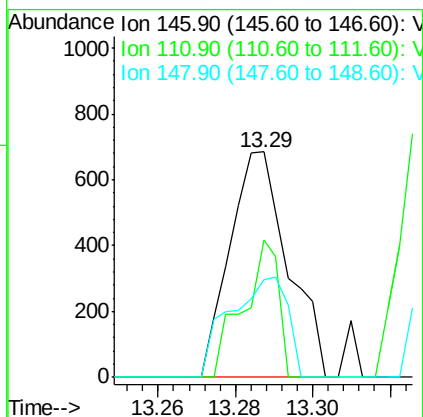
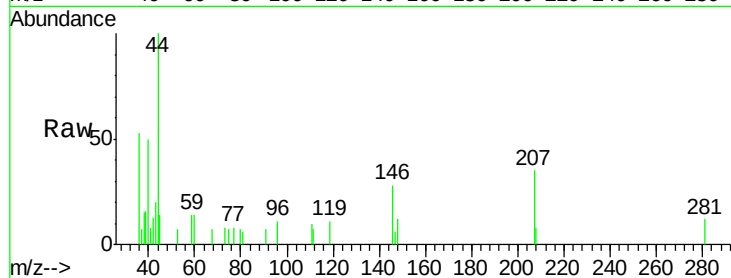
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 716

Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.0	57.0
148	44.1	32.5	97.5



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3638

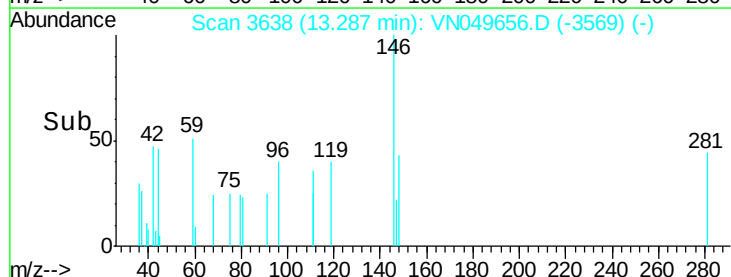
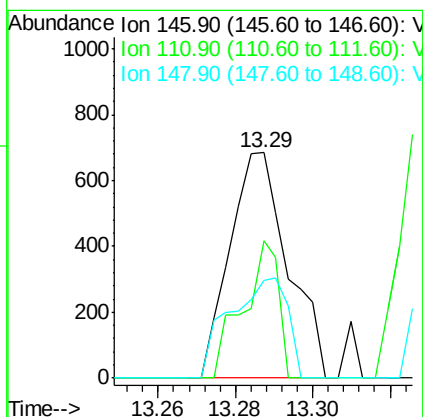
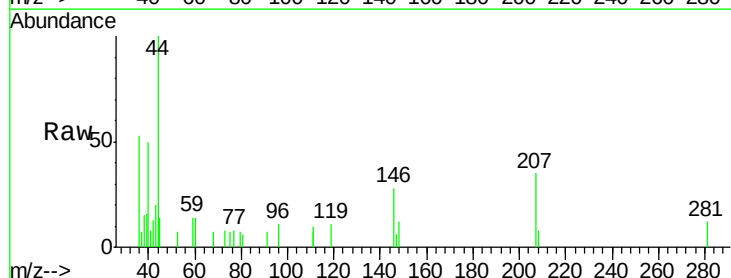
Delta R.T. -0.08 min

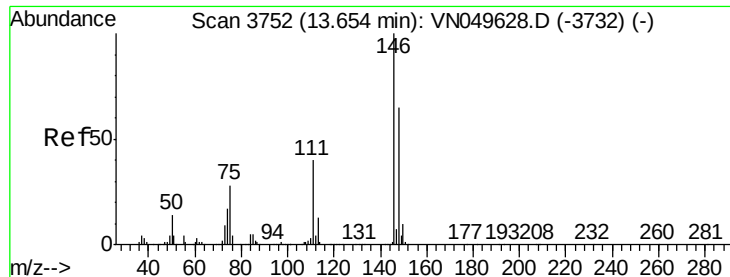
Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Tgt Ion:146 Resp: 716

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.5
148	44.1	32.1	96.3





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3755

Delta R.T. 0.01 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

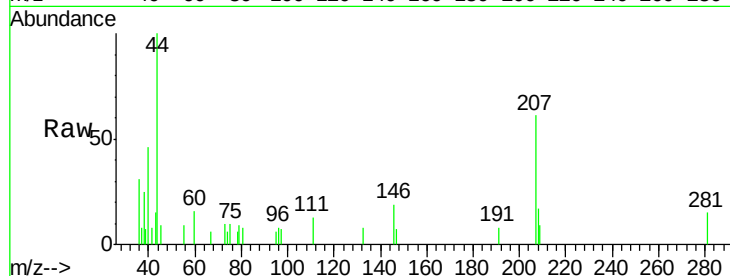
Tot Ion:146 Resp: 558

Ion Ratio Lower Upper

146 100

111 74.7 19.7 59.1#

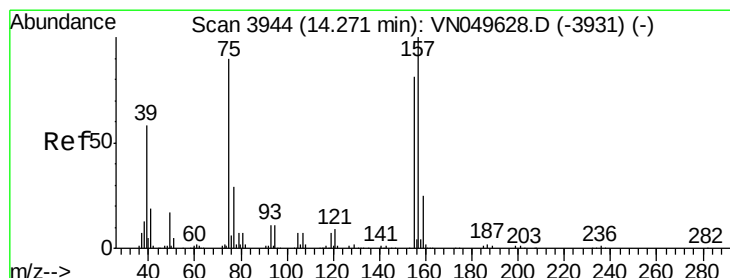
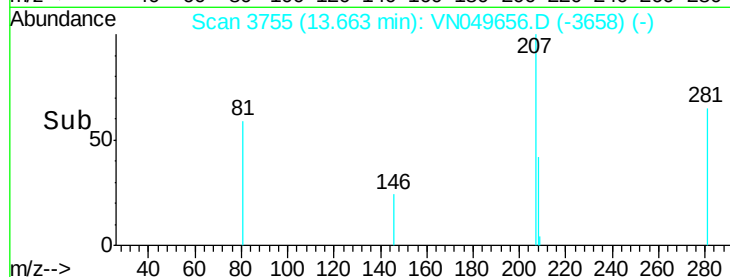
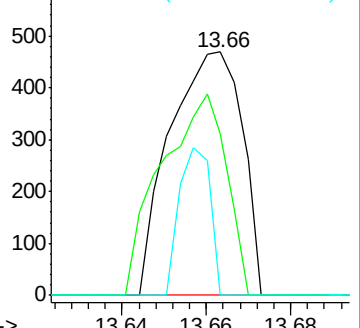
148 26.3 32.0 96.2#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3942

Delta R.T. -0.01 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

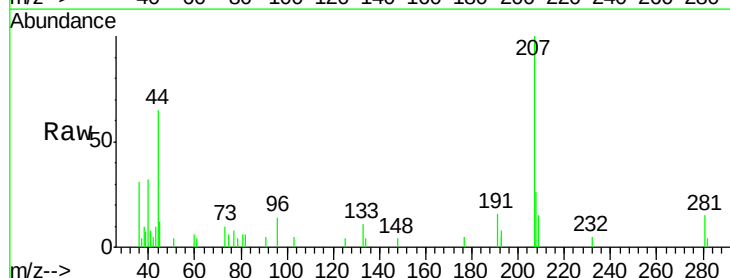
Tgt Ion: 75 Resp: 84

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

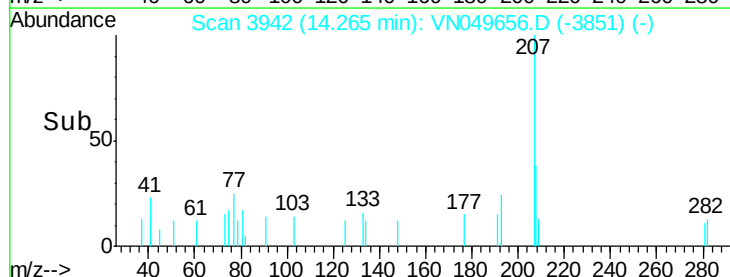
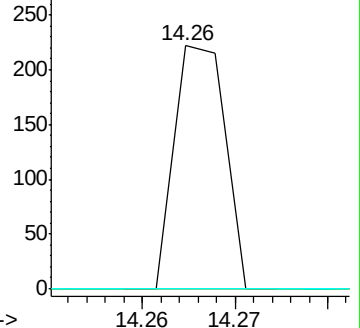
157 0.0 56.9 170.7#

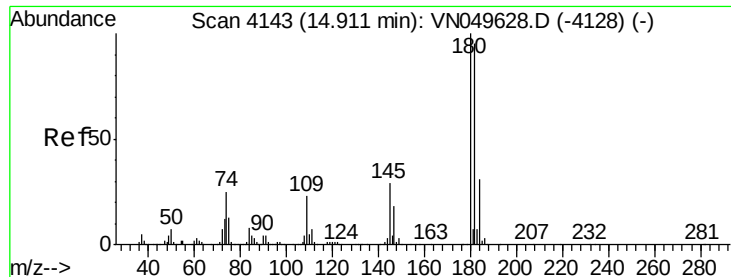


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 2.42 ua/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

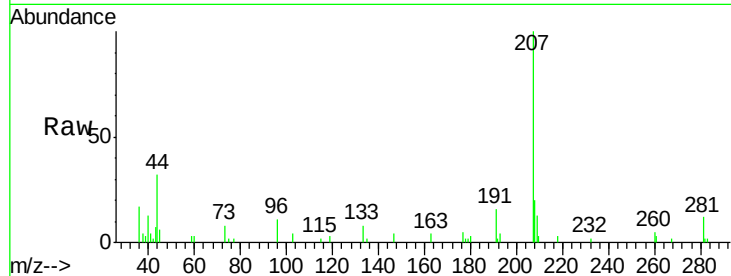
Tot Ion:180 Resp: 159

Ion Ratio Lower Upper

180 100

182 95.0 47.3 141.9

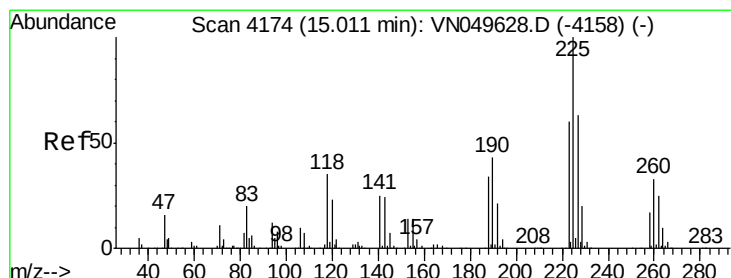
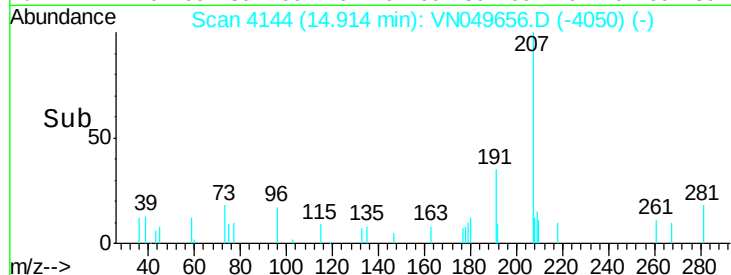
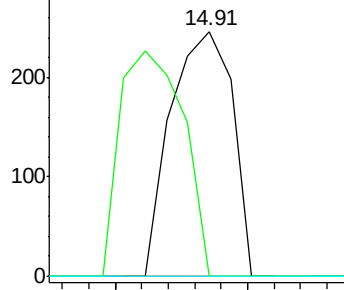
145 0.0 14.4 43.0#



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: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.01 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

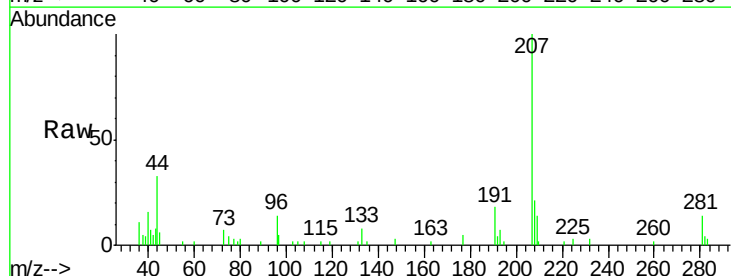
Tgt Ion:225 Resp: 119

Ion Ratio Lower Upper

225 100

223 0.0 30.9 92.7#

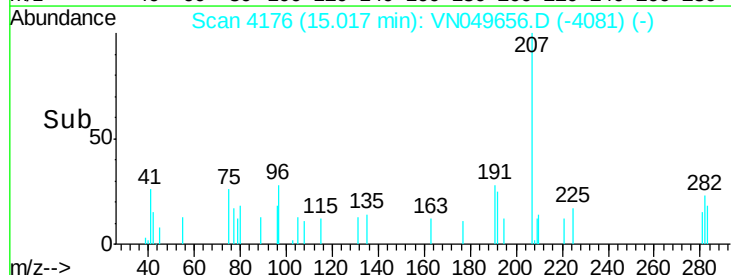
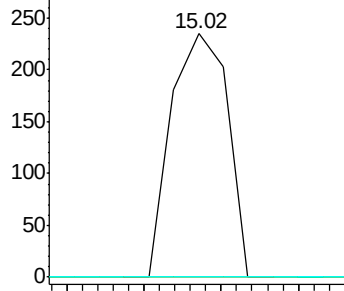
227 0.0 31.8 95.4#

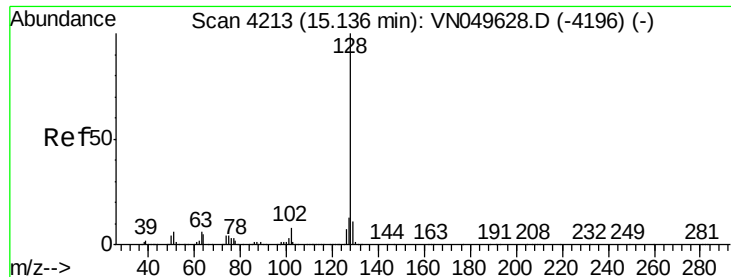


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.08 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

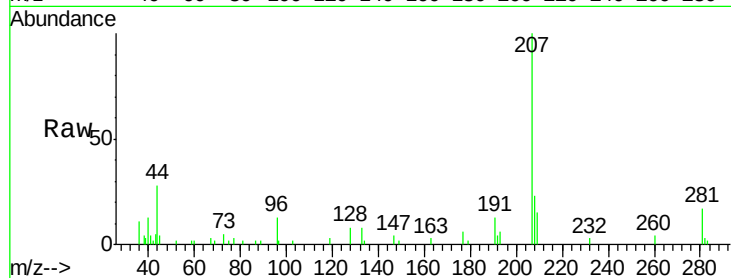
Tot Ion:128 Resp: 983

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

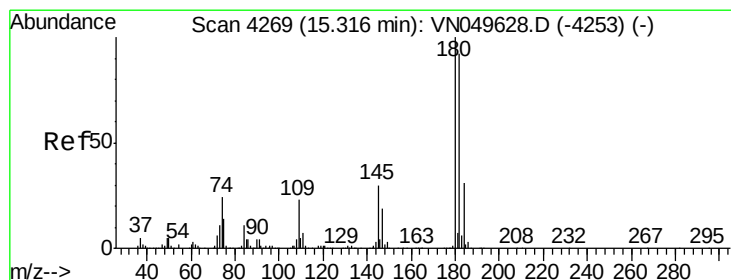
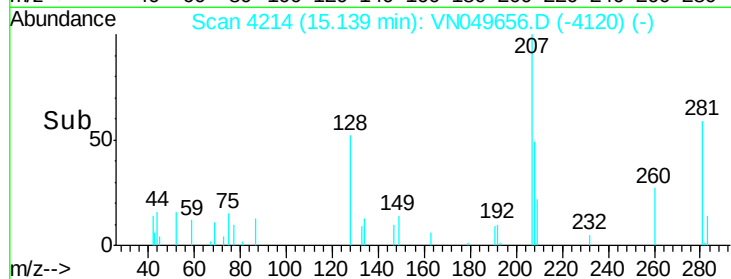
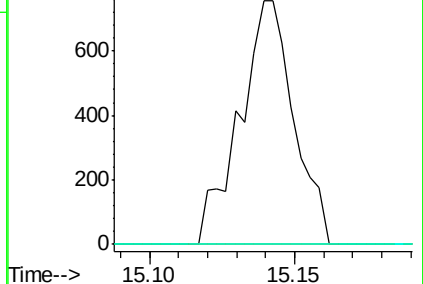
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.66 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049656.D

Acq: 30 Jun 2018 19:10

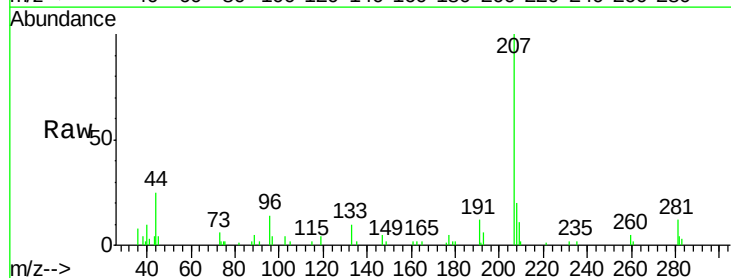
Tgt Ion:180 Resp: 121

Ion Ratio Lower Upper

180 100

182 0.0 47.4 142.2#

145 0.0 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

