

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049493.D
 Acq On : 22 Jun 2018 15:57
 Operator : MD\SY
 Sample : J3604-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 22:14:55 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	1392039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2179061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1904094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	550747	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	958614	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
35) Dibromofluoromethane	7.59	113	845756	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	10.09	98	3079599	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
62) 4-Bromofluorobenzene	12.41	95	799738	36.03	ug/l	0.00
Spiked Amount			Recovery	=	72.06%	

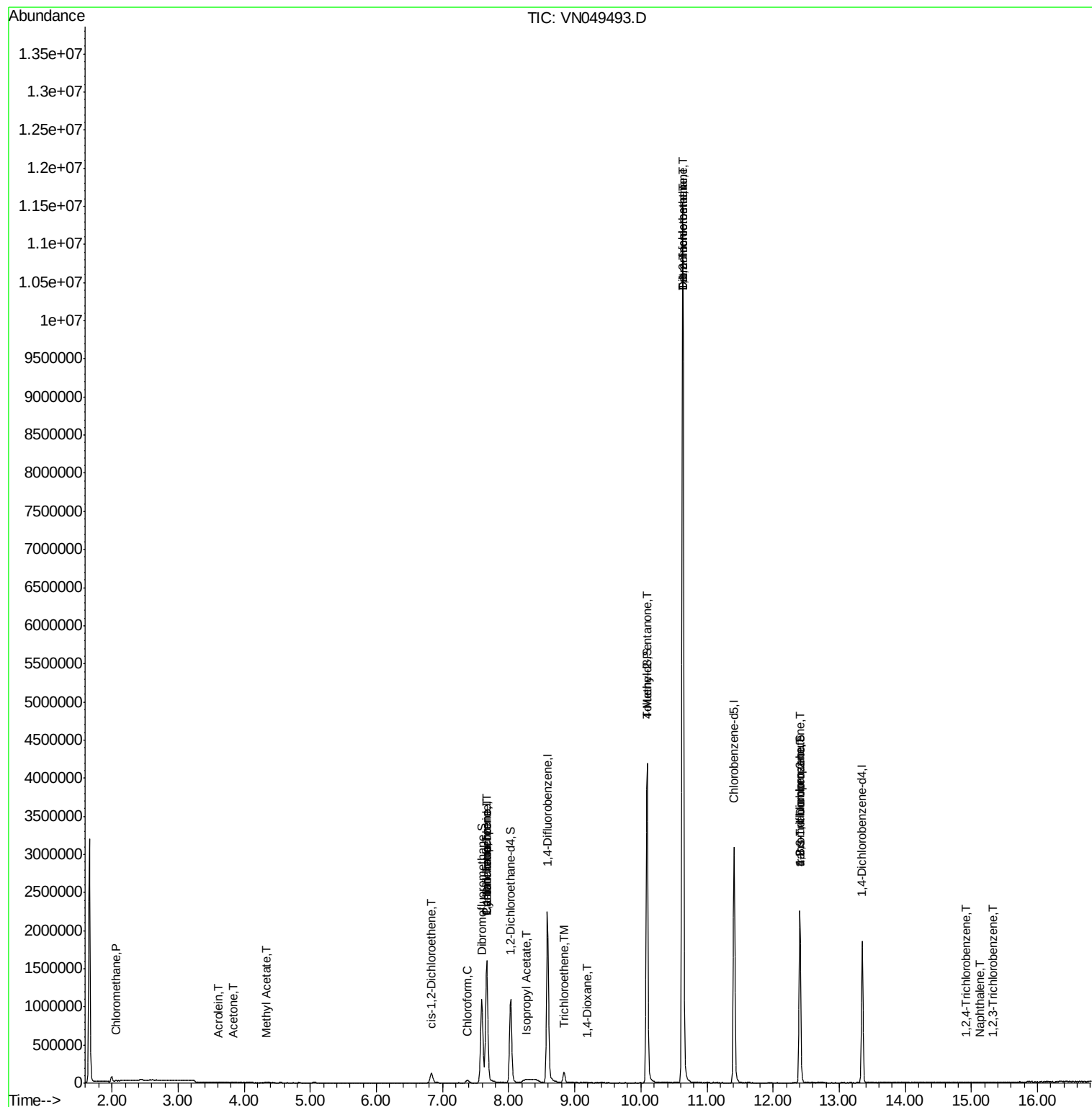
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	15313	0.74	ug/l	93
13) Acrolein	3.62	56	1042	0.92	ug/l #	46
16) Acetone	3.83	43	6629	1.48	ug/l #	83
18) Methyl Acetate	4.34	43	12628	0.92	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	87338	4.65	ug/l	82
30) Chloroform	7.38	83	36224	1.13	ug/l	91
31) Cyclohexane	7.66	56	25309	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	97757	3.91	ug/l #	51
38) Carbon Tetrachloride	7.67	117	122371	4.73	ug/l #	18
43) Isopropyl Acetate	8.25	43	43916	1.69	ug/l #	64
44) Trichloroethene	8.84	130	54771	2.71	ug/l	95
49) 1,4-Dioxane	9.20	88	167	0.99	ug/l #	51
51) 4-Methyl-2-Pentanone	10.09	43	13219	0.97	ug/l #	1
55) 1,1,2-Trichloroethane	10.63	97	22718	1.36	ug/l #	7
60) Dibromochloromethane	10.63	129	2556130	136.71	ug/l #	10
64) Tetrachloroethene	10.63	164	2959509	151.68	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.49	83	80	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	393115	41.83	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	393115	132.22	ug/l #	8
90) Hexachloroethane	13.67	117	65	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.92	180	314	4.77	ug/l #	25
95) Naphthalene	15.14	128	1666	2.19	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.32	180	288	3.49	ug/l #	48

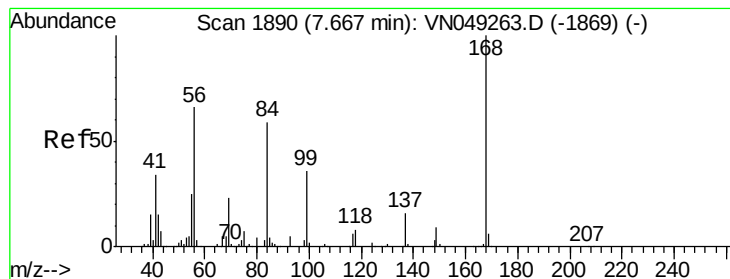
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062218\
Data File : VN049493.D
Acq On : 22 Jun 2018 15:57
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Sample : J3604-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 22 22:14:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

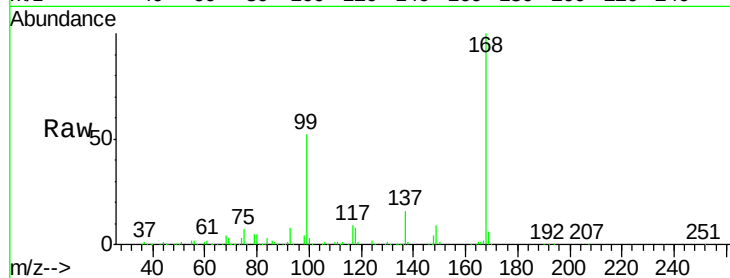
ClientSampleId :

Tot Ion:168 Resp: 1392039

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

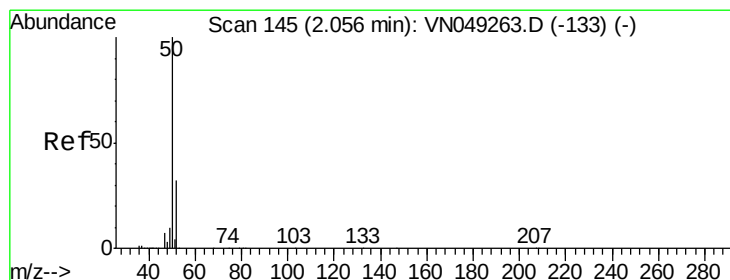
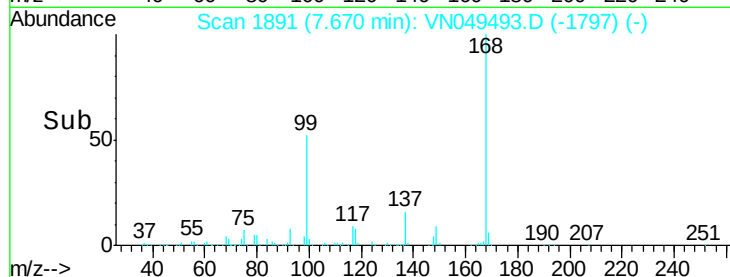
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 0.74 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049493.D

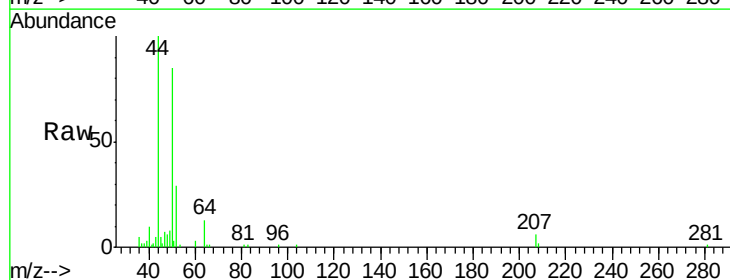
Acq: 22 Jun 2018 15:57

Tgt Ion: 50 Resp: 15313

Ion Ratio Lower Upper

50 100

52 35.4 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

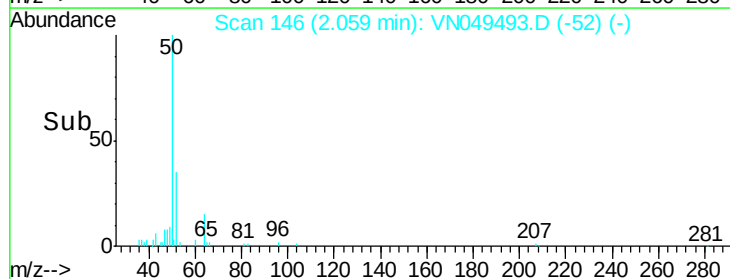
2.06

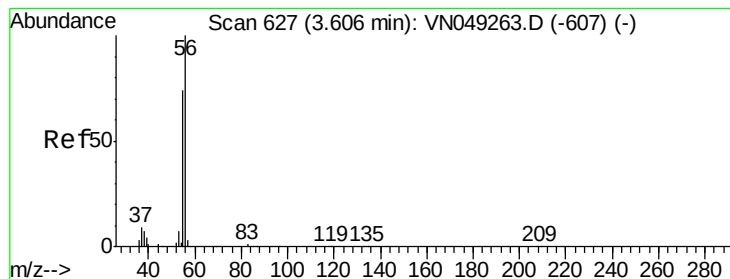
10000

5000

0

Time-->





#13

Acrolein

Concen: 0.92 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

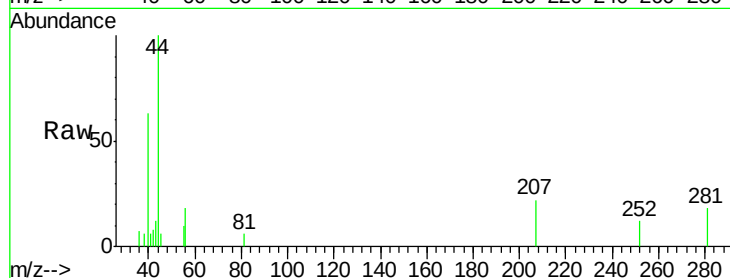
ClientSampled :

Tot Ion: 56 Resp: 1042

Ion Ratio Lower Upper

56 100

55 26.3 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

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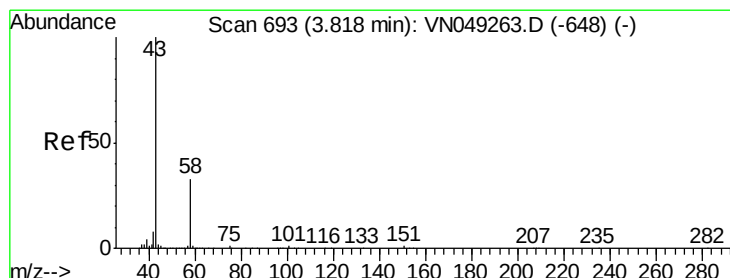
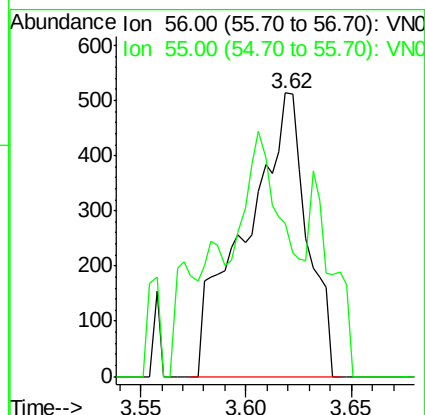
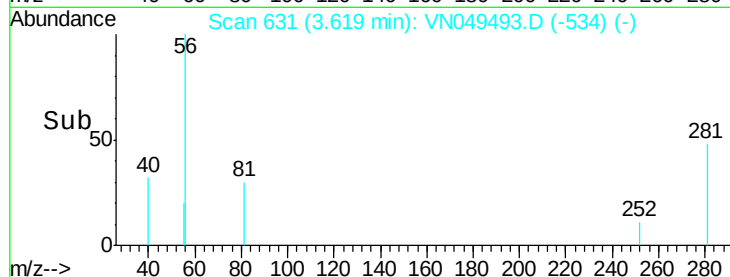
3.62

3.62

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3.62



#16

Acetone

Concen: 1.48 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049493.D

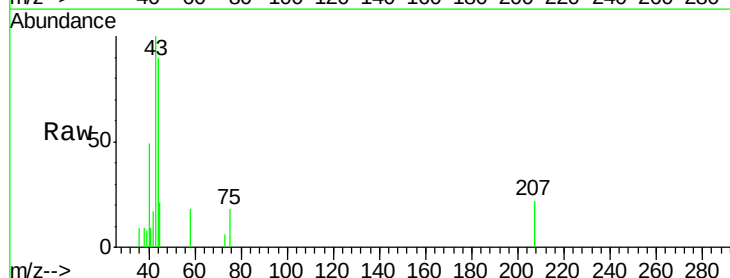
Acq: 22 Jun 2018 15:57

Tgt Ion: 43 Resp: 6629

Ion Ratio Lower Upper

43 100

58 19.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

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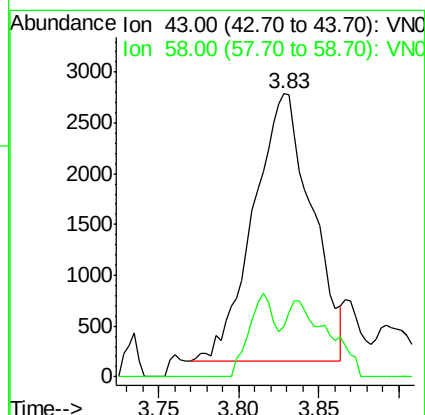
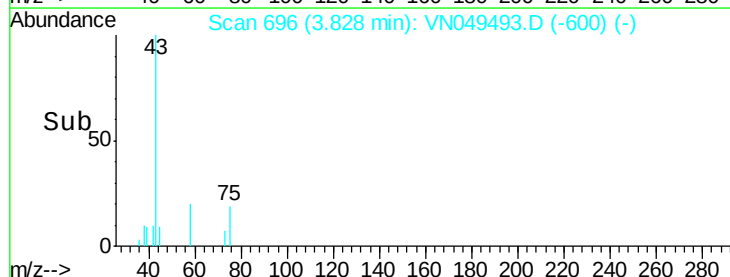
3.83

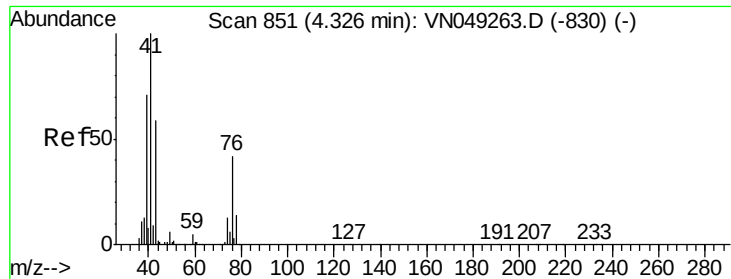
3.83

3.83

3.83

3.83





#18

Methyl Acetate

Concen: 0.92 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

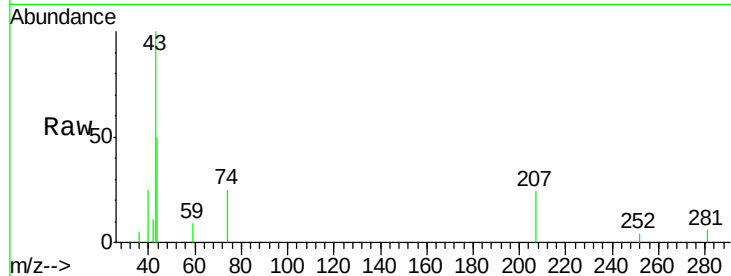
ClientSampled :

Tot Ion: 43 Resp: 12628

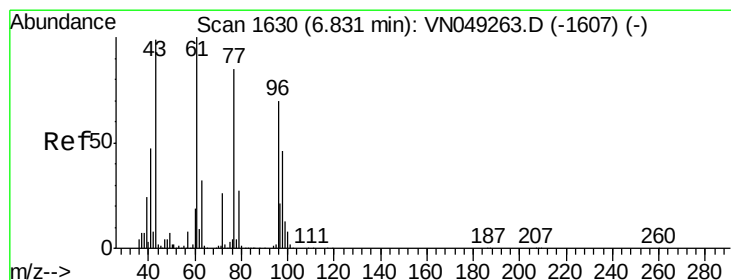
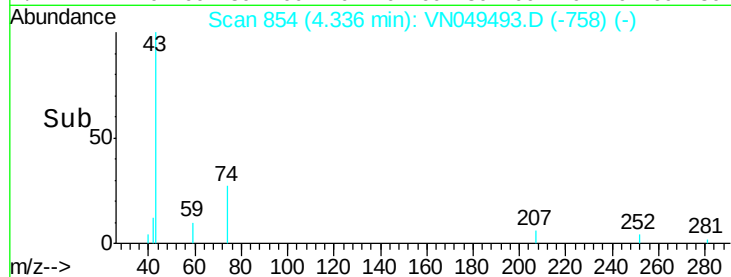
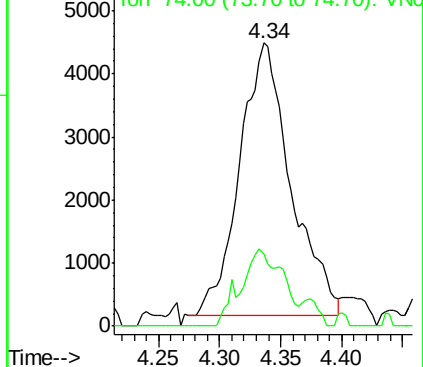
Ion Ratio Lower Upper

43 100

74 19.1 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN049493.D (-1537) (-)



#27

cis-1,2-Dichloroethene

Concen: 4.65 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

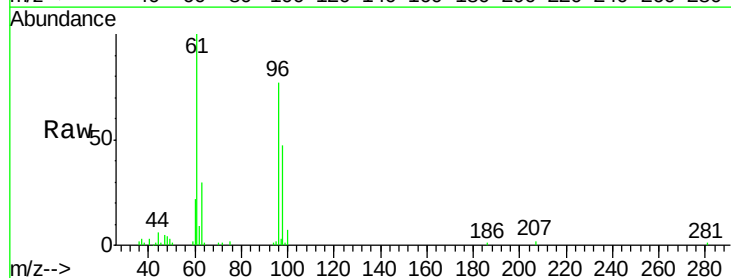
Tgt Ion: 96 Resp: 87338

Ion Ratio Lower Upper

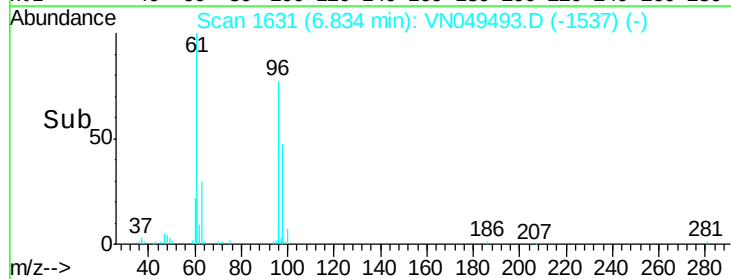
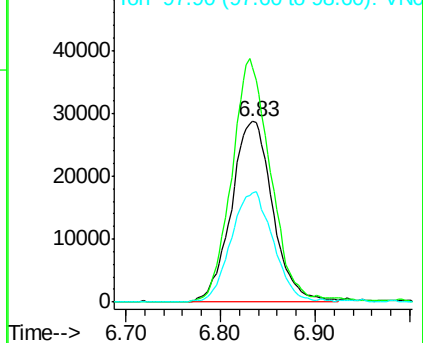
96 100

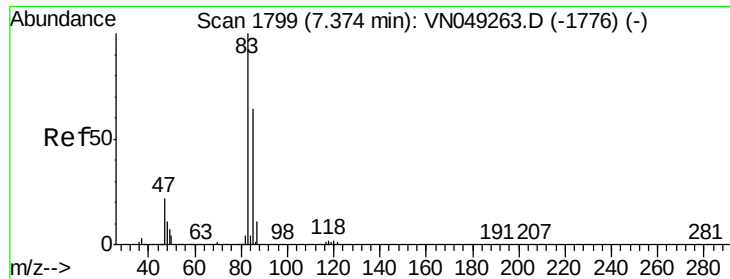
61 126.0 0.0 316.4

98 61.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049493.D (-1537) (-)





#30

Chloroform

Concen: 1.13 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

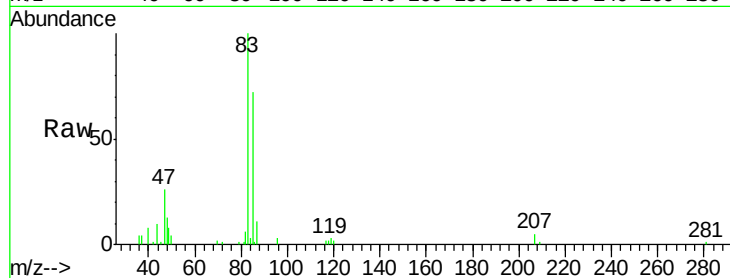
ClientSampleId :

Tot Ion: 83 Resp: 36224

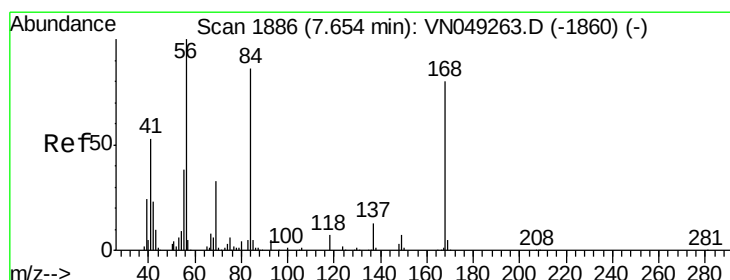
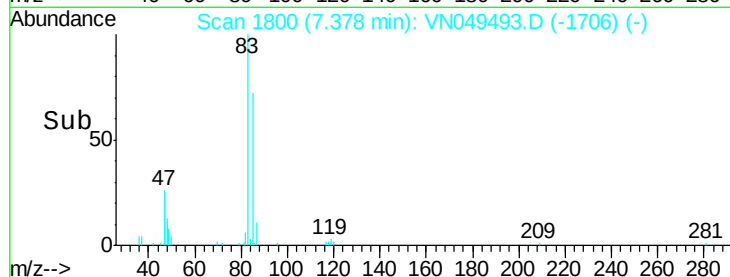
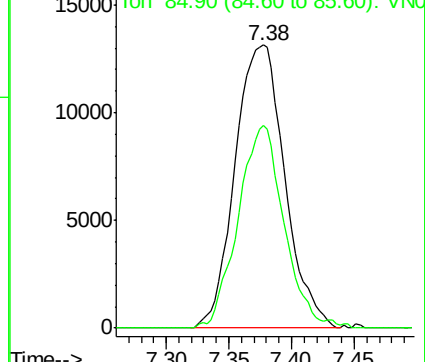
Ion Ratio Lower Upper

83 100

85 71.7 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049493.D (-1776) (-)



#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

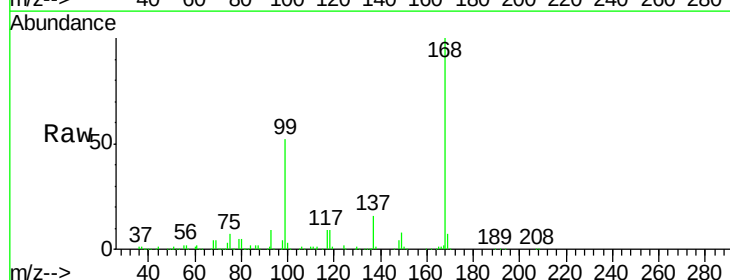
Tgt Ion: 56 Resp: 25309

Ion Ratio Lower Upper

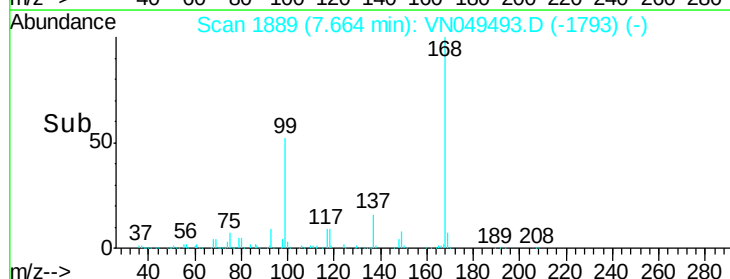
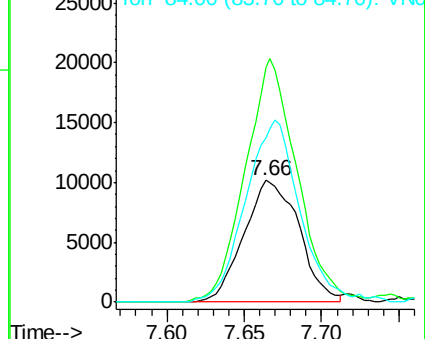
56 100

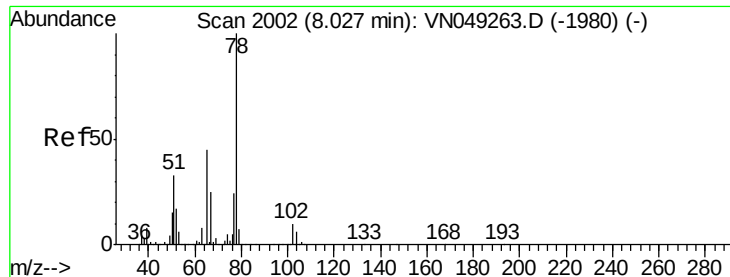
69 190.4 25.0 37.4#

84 134.9 64.6 96.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049493.D (-1793) (-)

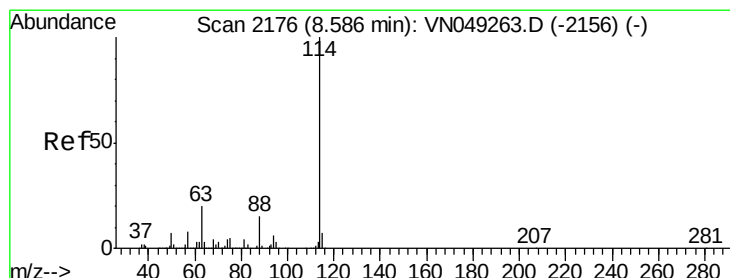
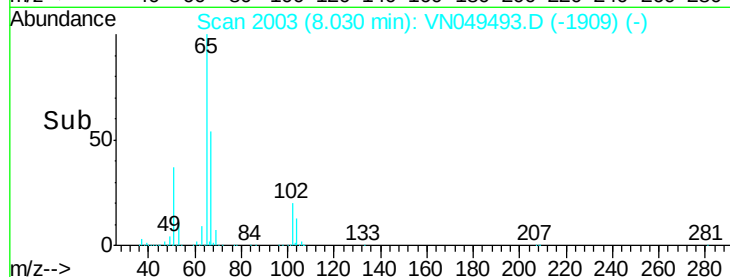
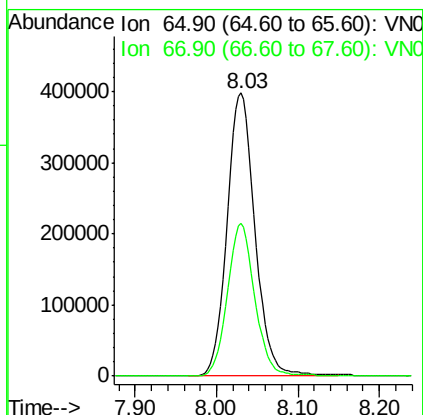
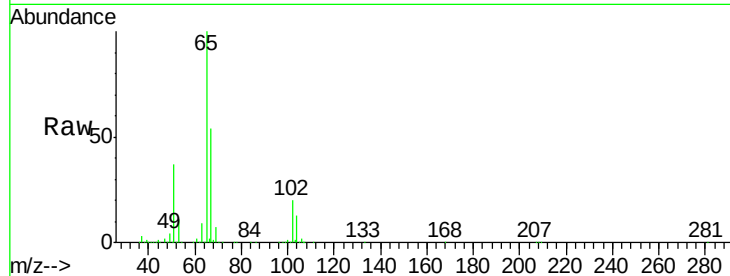




#33
 1,2-Dichloroethane-d4
 Concen: 51.92 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049493.D
 Acq: 22 Jun 2018 15:57

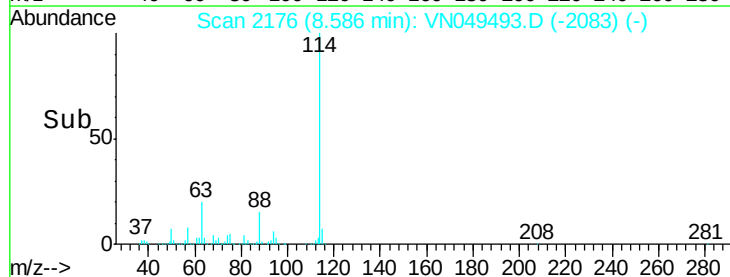
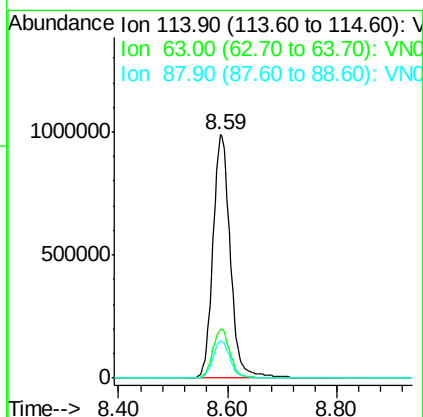
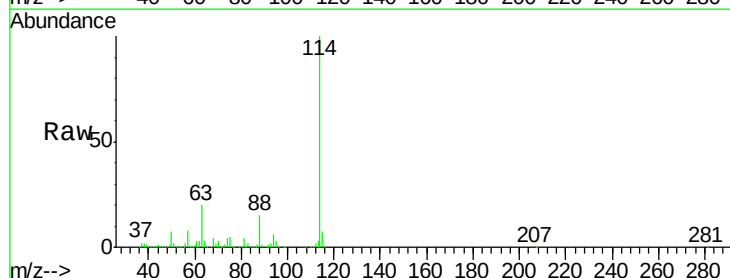
Instrument :
 MSVOA_N
 ClientSampleId :

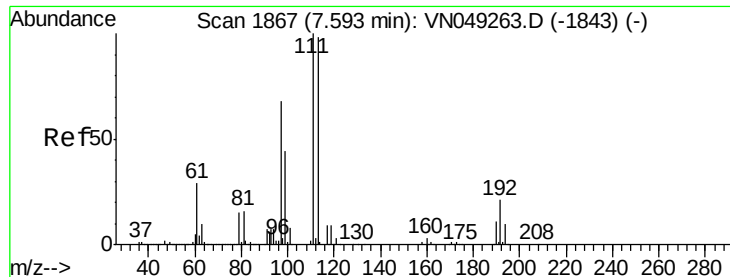
Tot Ion: 65 Resp: 958614
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049493.D
 Acq: 22 Jun 2018 15:57

Tgt Ion: 114 Resp: 2179061
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.4 0.0 31.4

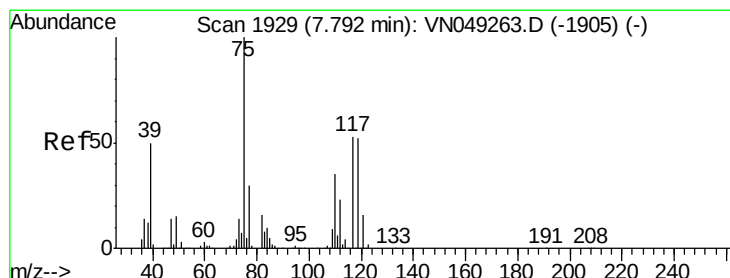
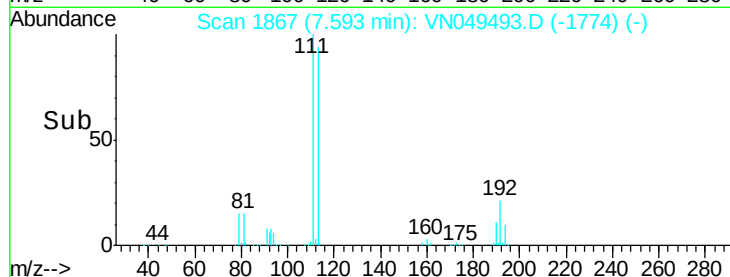
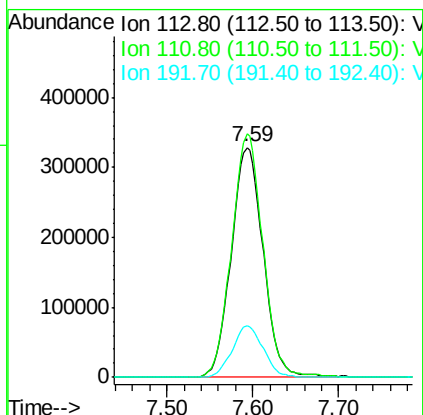
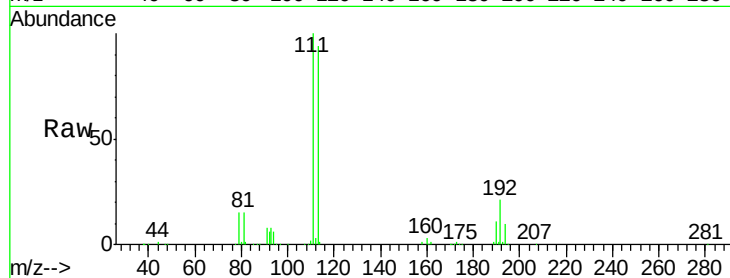




#35
 Dibromofluoromethane
 Concen: 47.97 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049493.D
 Acq: 22 Jun 2018 15:57

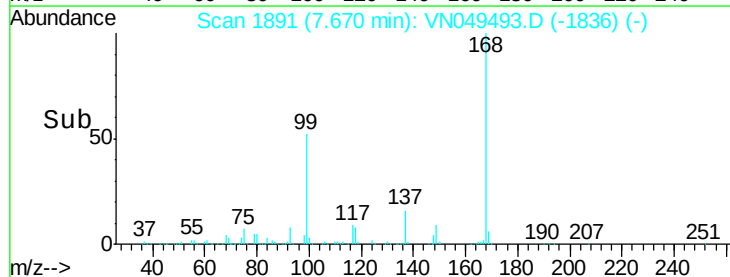
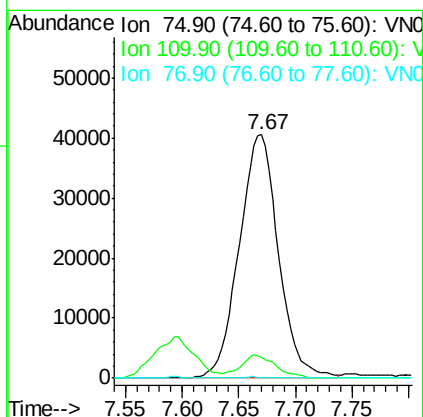
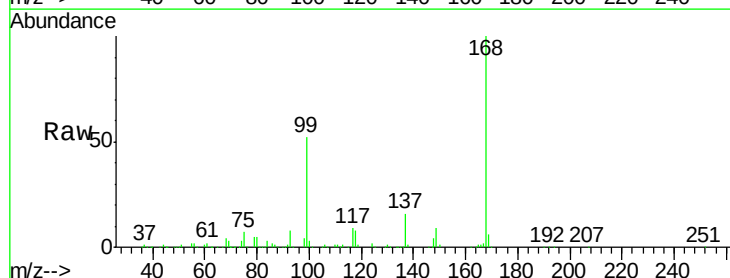
Instrument :
 MSVOA_N
 ClientSampleId :

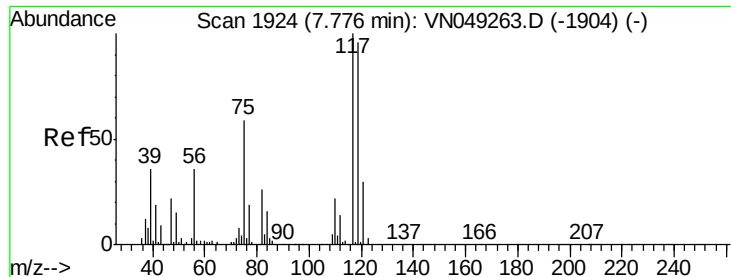
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	21.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.91 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049493.D
 Acq: 22 Jun 2018 15:57

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.2	24.4	36.6#

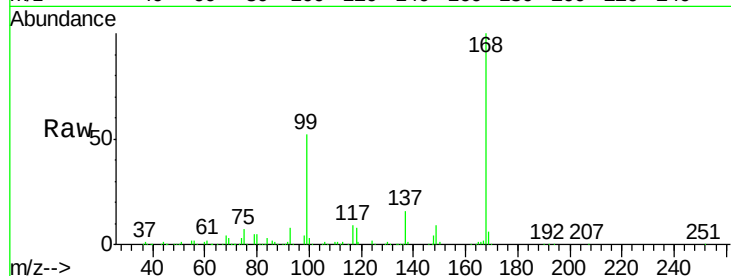




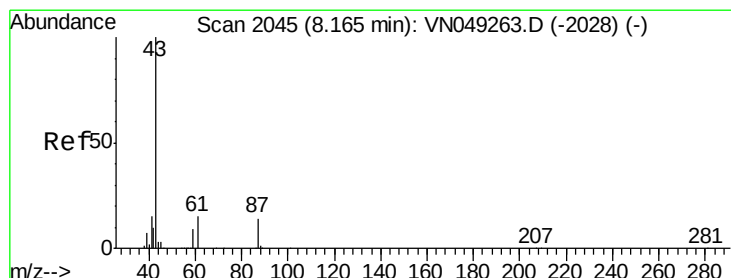
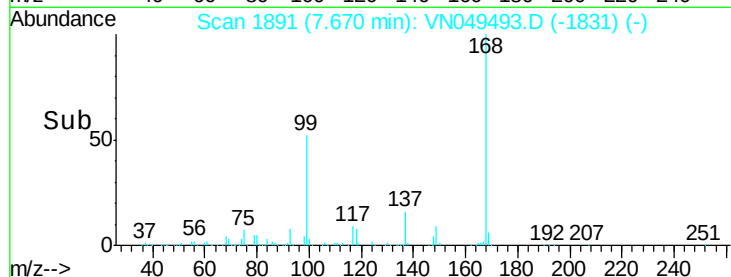
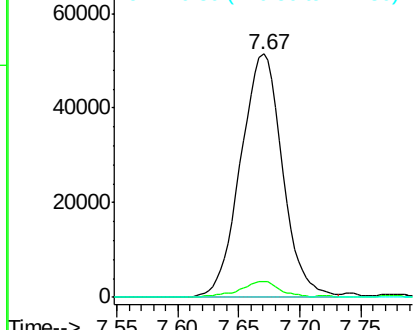
#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049493.D
Acq: 22 Jun 2018 15:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 122371
Ion Ratio Lower Upper
117 100
119 6.4 75.6 113.4#
121 0.0 24.7 37.1#

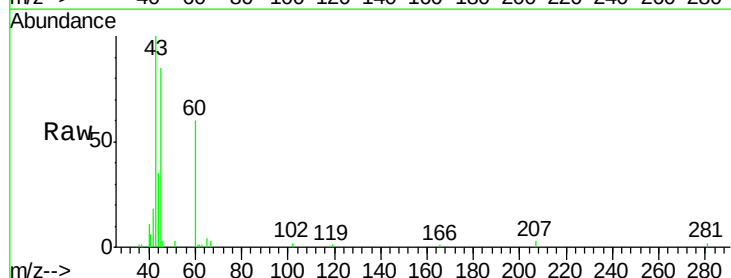


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

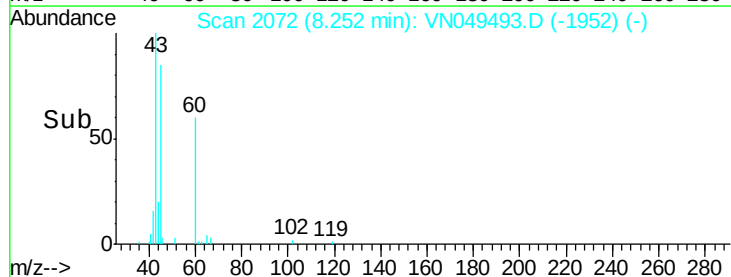
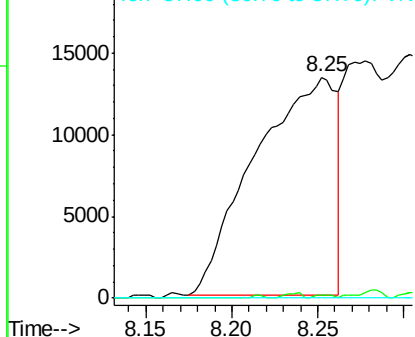


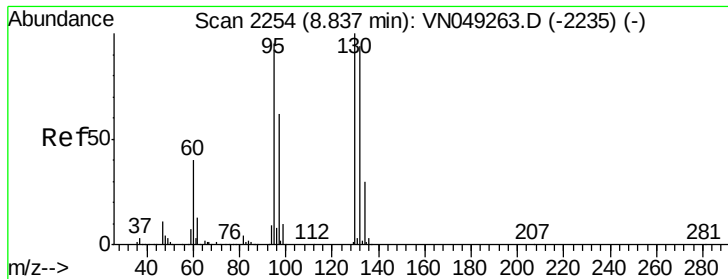
#43
Isopropyl Acetate
Concen: 1.69 ug/l
RT: 8.25 min Scan# 2072
Delta R.T. 0.09 min
Lab File: VN049493.D
Acq: 22 Jun 2018 15:57

Tgt Ion: 43 Resp: 43916
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.4 14.0#



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





#44

Trichloroethene

Concen: 2.71 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

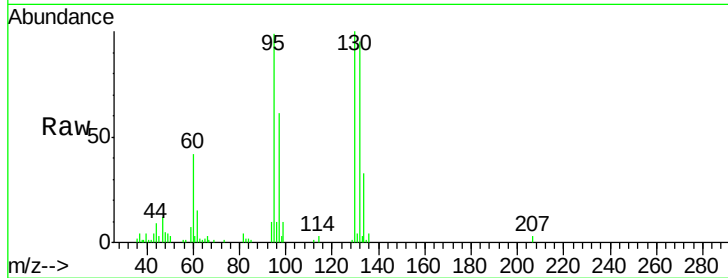
ClientSampled :

Tot Ion:130 Resp: 54771

Ion Ratio Lower Upper

130 100

95 99.5 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.84

25000

20000

15000

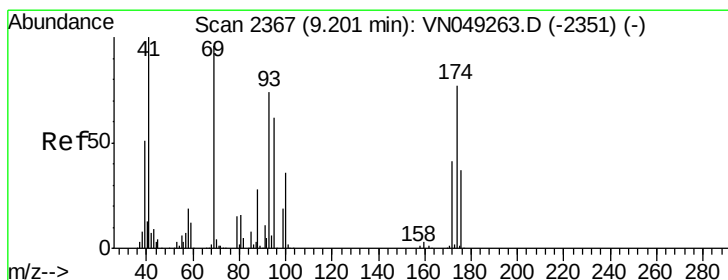
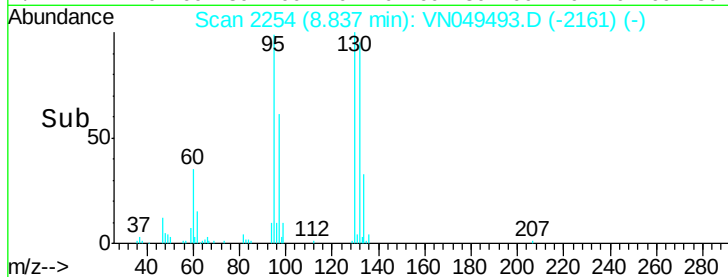
10000

5000

0

Time-->

8.75 8.80 8.85 8.90



#49

1,4-Dioxane

Concen: 0.99 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

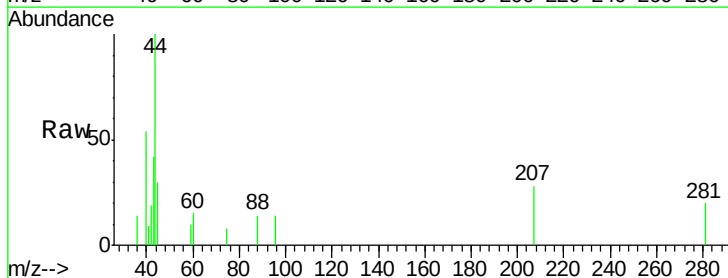
Tgt Ion: 88 Resp: 167

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 38.9 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

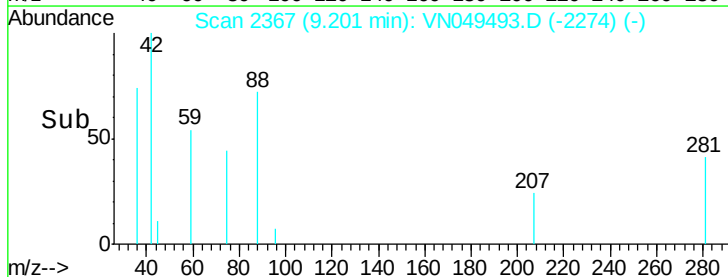
1000

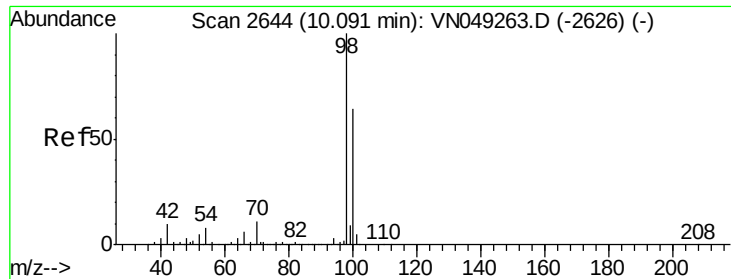
500

0

Time-->

9.18 9.19 9.20 9.21 9.22

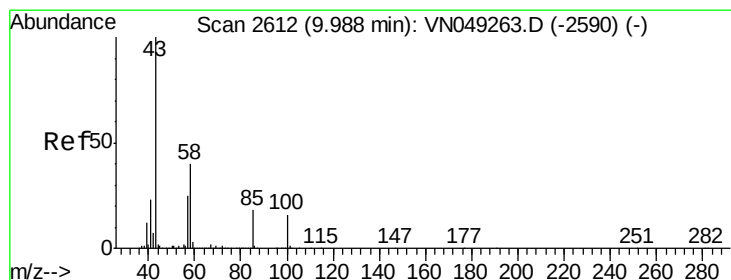
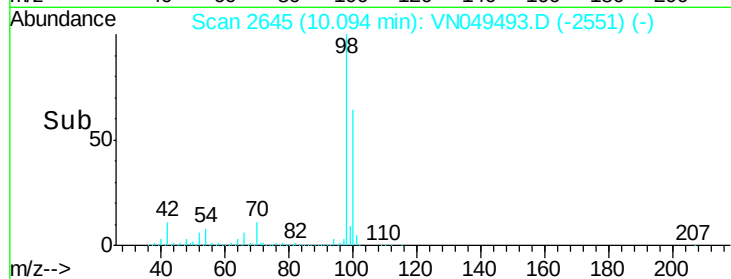
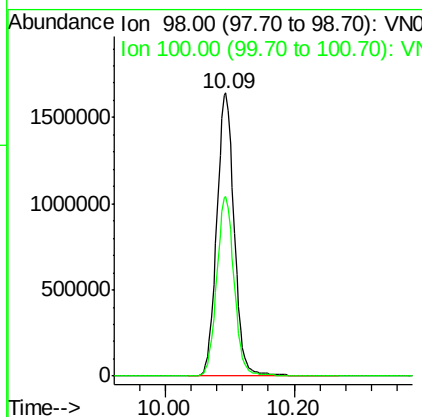
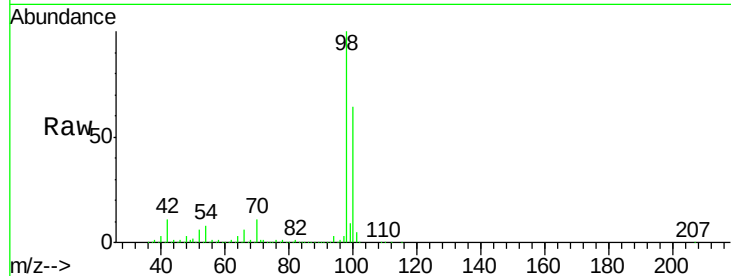




#50
Toluene-d8
Concen: 45.88 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049493.D
Acq: 22 Jun 2018 15:57

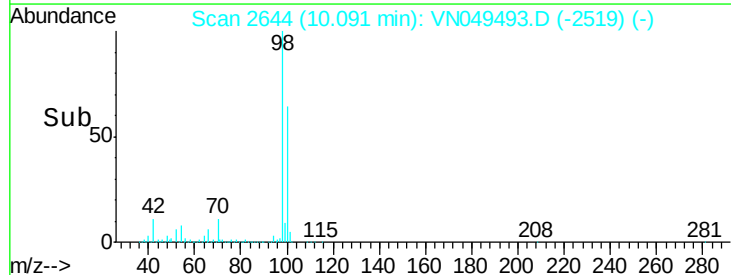
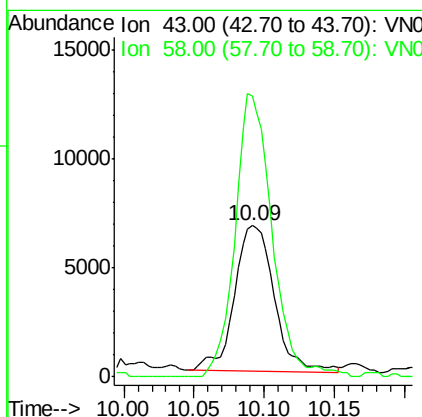
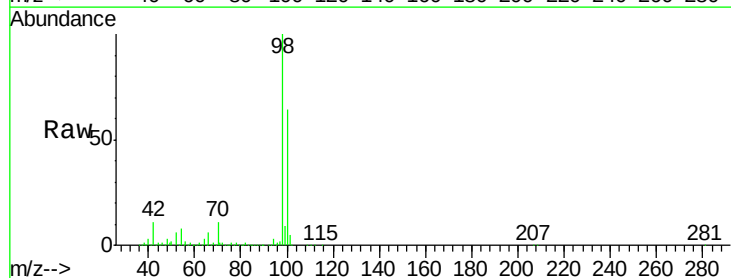
Instrument :
MSVOA_N
ClientSampleId :

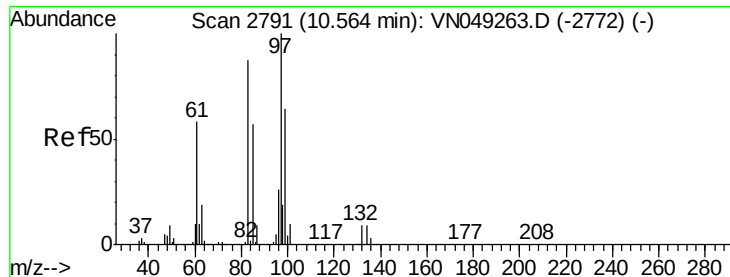
Tot Ion: 98 Resp: 3079599
Ion Ratio Lower Upper
98 100
100 63.2 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.97 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.10 min
Lab File: VN049493.D
Acq: 22 Jun 2018 15:57

Tgt Ion: 43 Resp: 13219
Ion Ratio Lower Upper
43 100
58 180.8 29.0 43.6#





#55

1,1,2-Trichloroethane

Concen: 1.36 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.07 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 22718

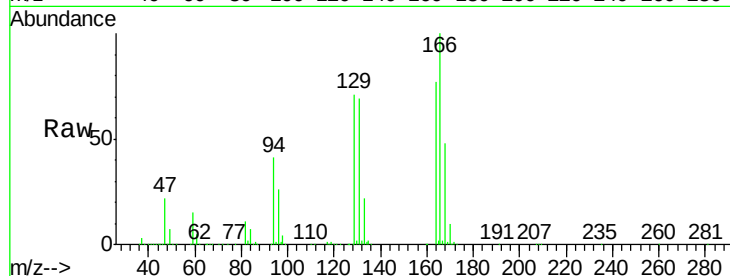
Ion Ratio Lower Upper

97 100

83 238.7 71.5 107.3#

85 36.0 47.0 70.4#

99 17.3 51.4 77.2#

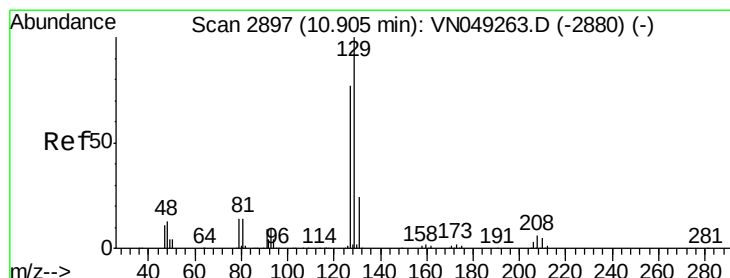
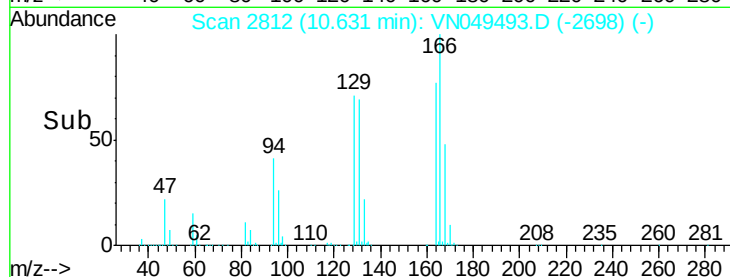
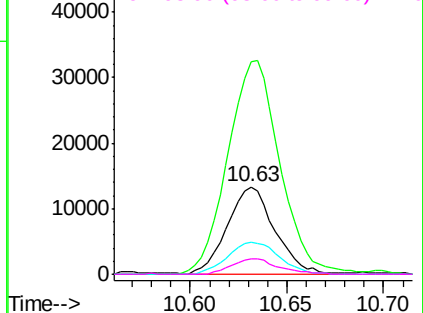


Abundance Ion 96.90 (96.60 to 97.60): VN049493.D (-2698) (-)

Ion 82.90 (82.60 to 83.60): VN049493.D (-2698) (-)

Ion 84.90 (84.60 to 85.60): VN049493.D (-2698) (-)

Ion 98.90 (98.60 to 99.60): VN049493.D (-2698) (-)



#60

Dibromochloromethane

Concen: 136.71 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.27 min

Lab File: VN049493.D

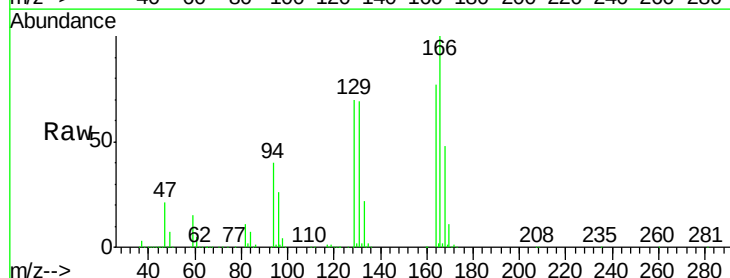
Acq: 22 Jun 2018 15:57

Tgt Ion: 129 Resp: 2556130

Ion Ratio Lower Upper

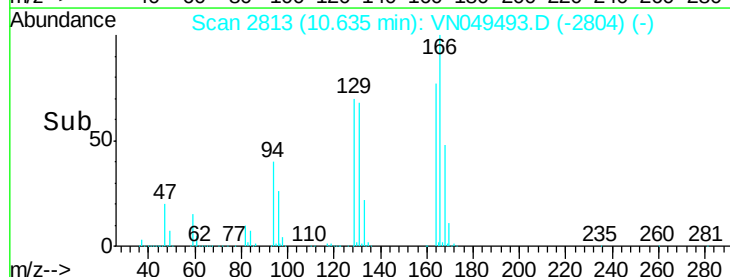
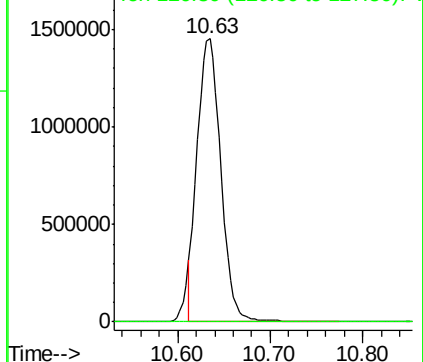
129 100

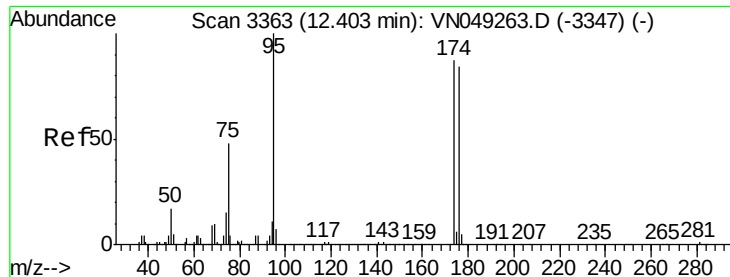
127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): VN049493.D (-2804) (-)

Ion 126.80 (126.50 to 127.50): VN049493.D (-2804) (-)





#62

4-Bromofluorobenzene

Concen: 36.03 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

ClientSampled :

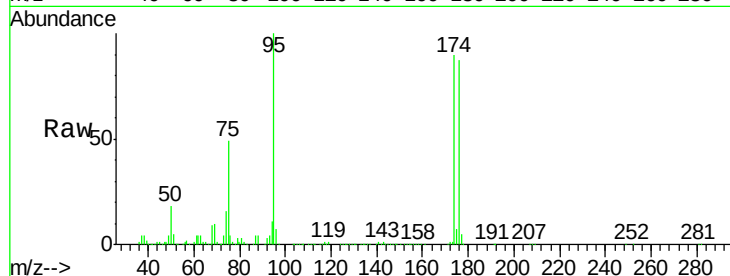
Tot Ion: 95 Resp: 799738

Ion Ratio Lower Upper

95 100

174 90.8 0.0 165.6

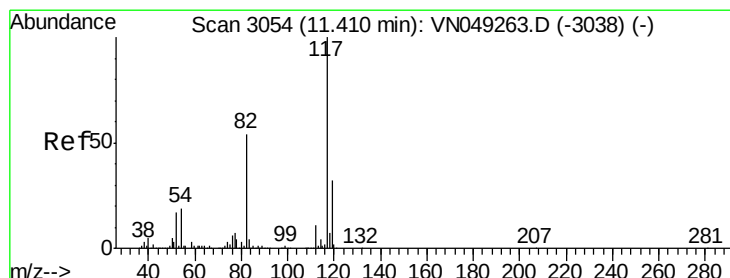
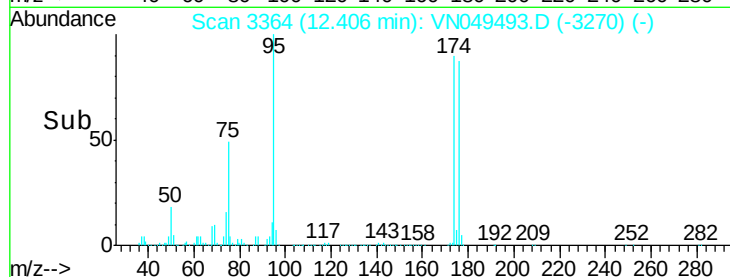
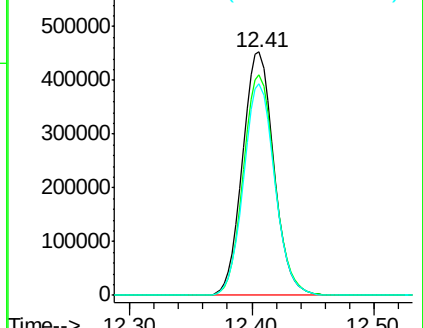
176 86.6 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

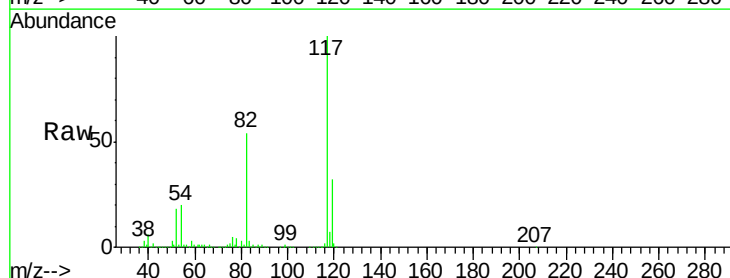
Tgt Ion: 117 Resp: 1904094

Ion Ratio Lower Upper

117 100

82 54.1 45.9 68.9

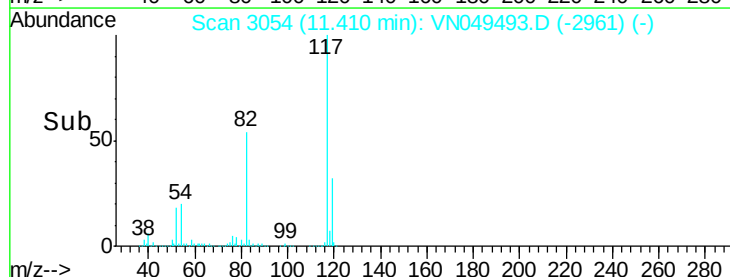
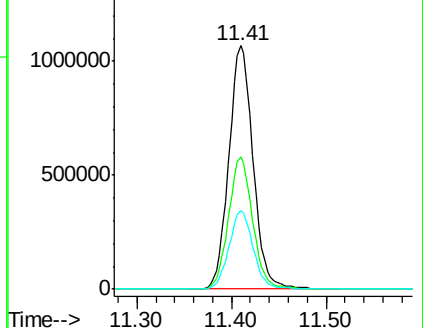
119 32.0 25.5 38.3

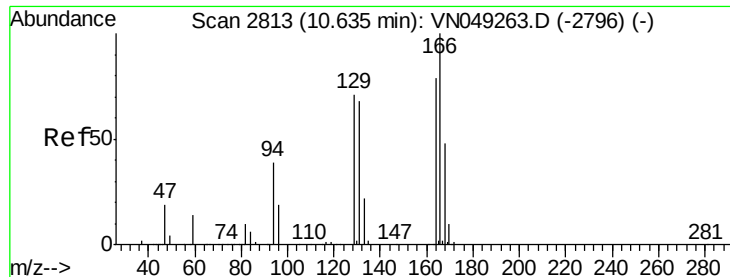


Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049263.D (-3038) (-)

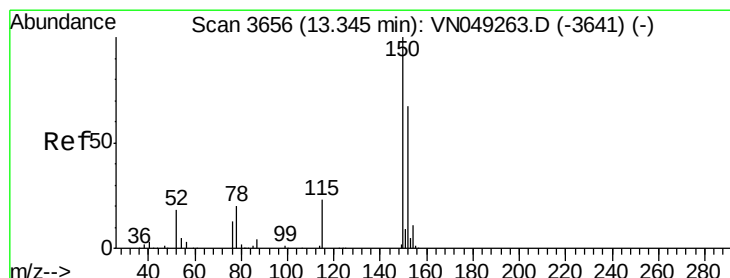
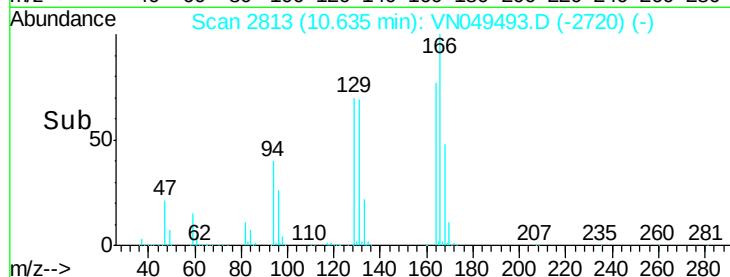
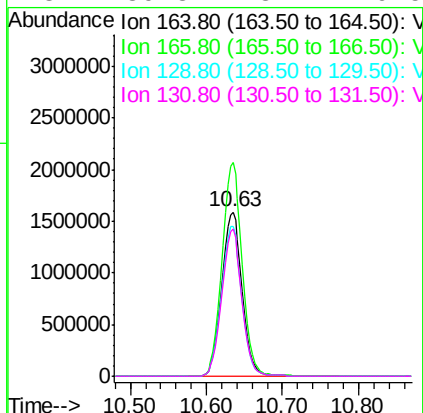
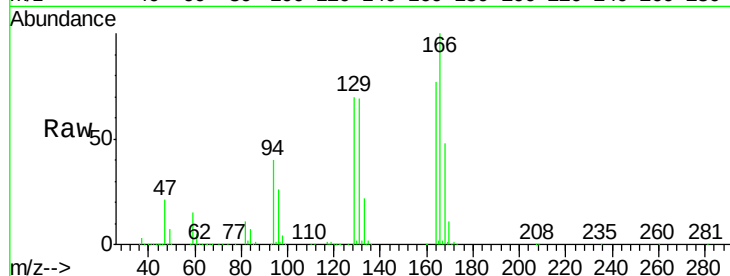




#64
Tetrachloroethene
Concen: 151.68 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN049493.D
Acq: 22 Jun 2018 15:57

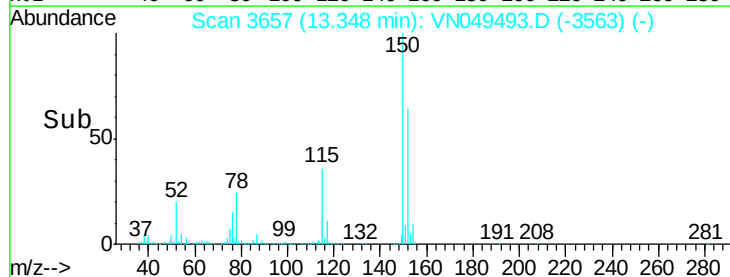
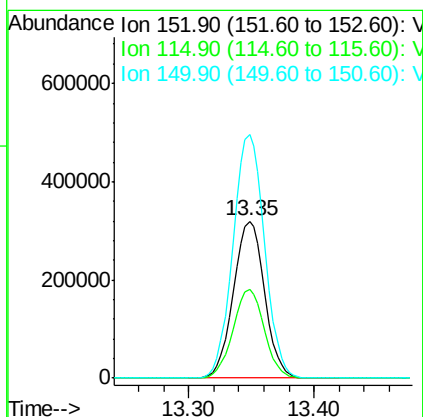
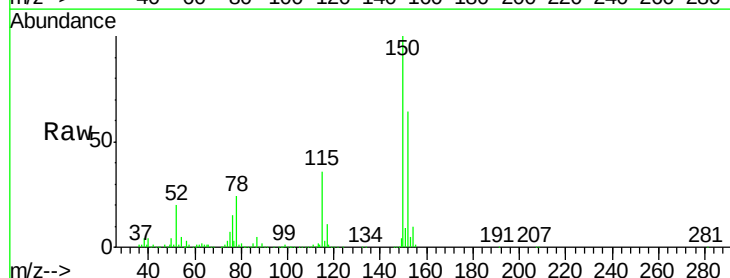
Instrument :
MSVOA_N
ClientSampleId :

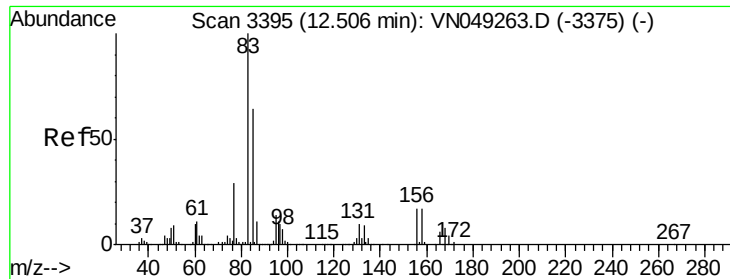
Tot Ion:164 Resp: 2959509
Ion Ratio Lower Upper
164 100
166 130.0 101.4 152.2
129 91.3 74.1 111.1
131 89.3 73.7 110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049493.D
Acq: 22 Jun 2018 15:57

Tgt Ion:152 Resp: 550747
Ion Ratio Lower Upper
152 100
115 56.8 28.7 86.1
150 157.1 0.0 351.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

ClientSampled :

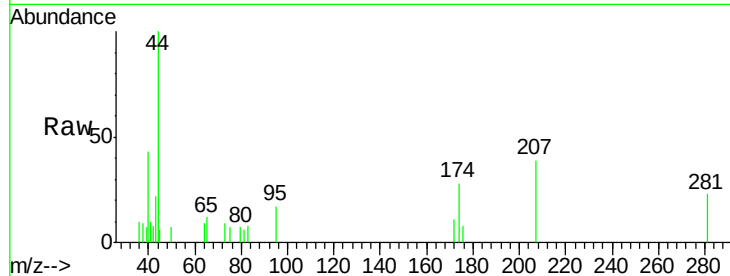
Tot Ion: 83 Resp: 80

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

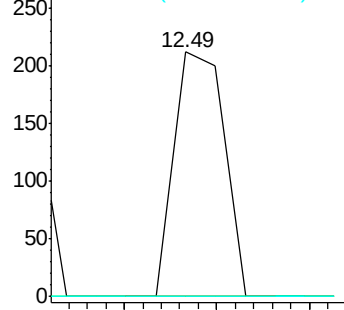
85 0.0 32.0 96.0#



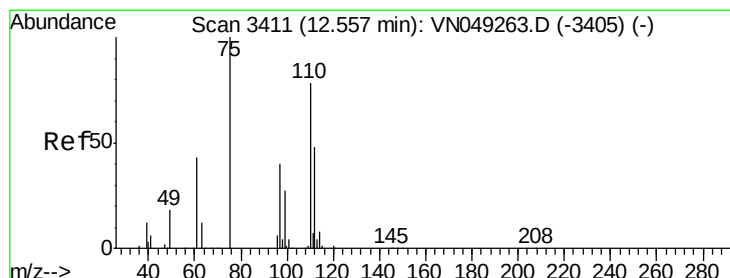
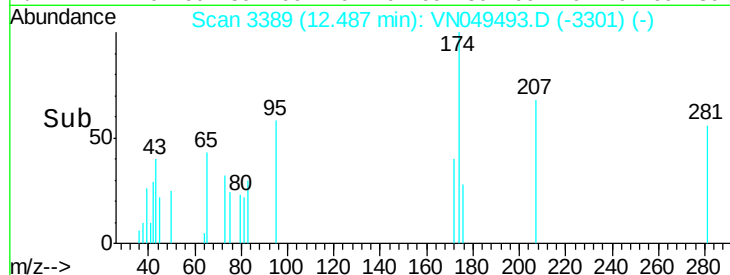
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



Time-->



#76

1,2,3-Trichloropropane

Concen: 41.83 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049493.D

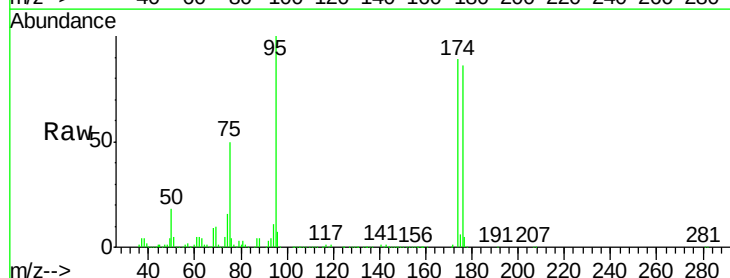
Acq: 22 Jun 2018 15:57

Tgt Ion: 75 Resp: 393115

Ion Ratio Lower Upper

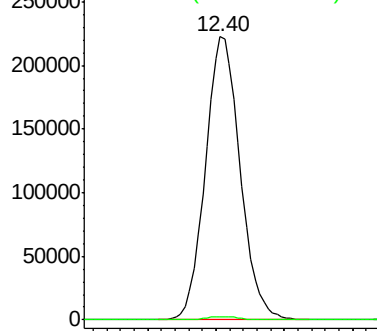
75 100

77 1.1 0.0 0.0#

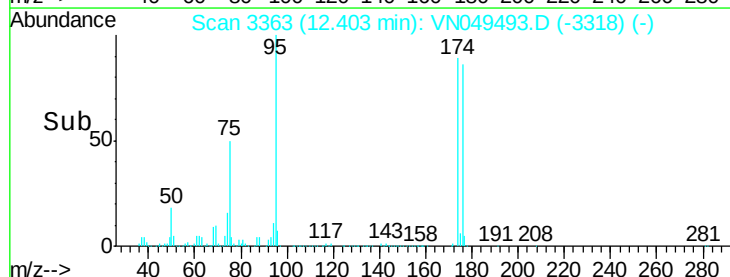


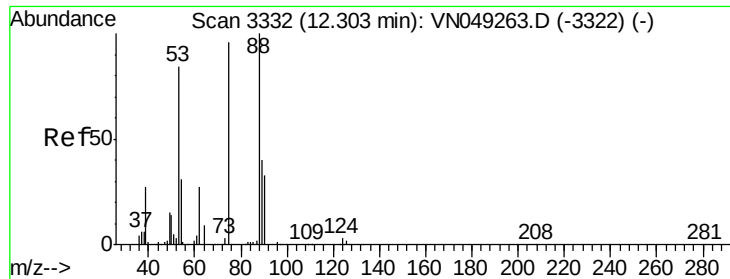
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 132.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

ClientSampleId :

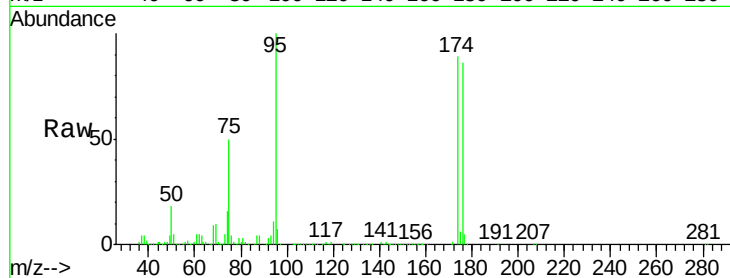
Tot Ion: 75 Resp: 393115

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

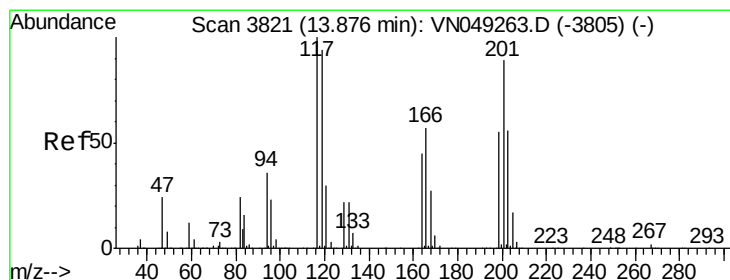
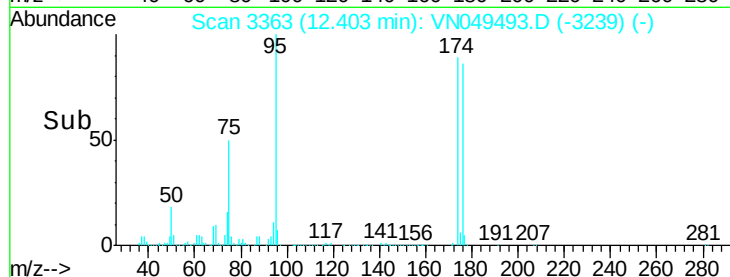
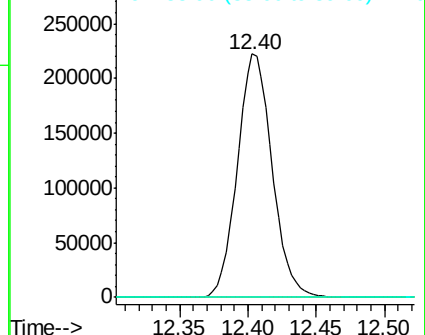
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049493.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049493.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049493.D (-3363) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.67 min Scan# 3758

Delta R.T. -0.20 min

Lab File: VN049493.D

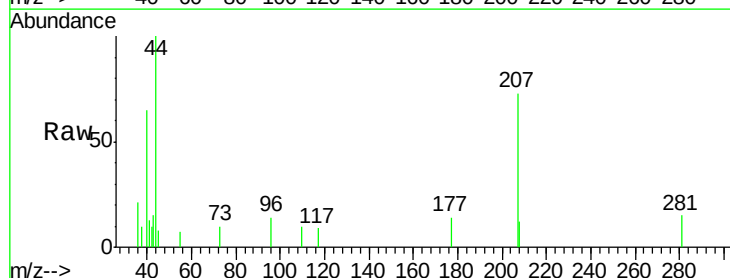
Acq: 22 Jun 2018 15:57

Tgt Ion: 117 Resp: 65

Ion Ratio Lower Upper

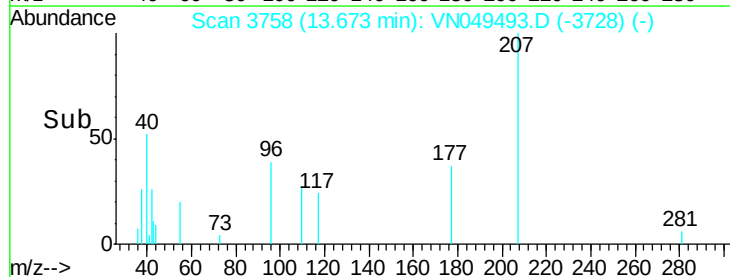
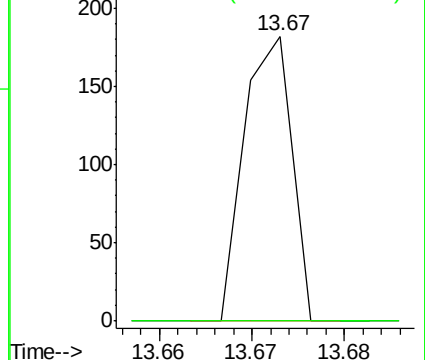
117 100

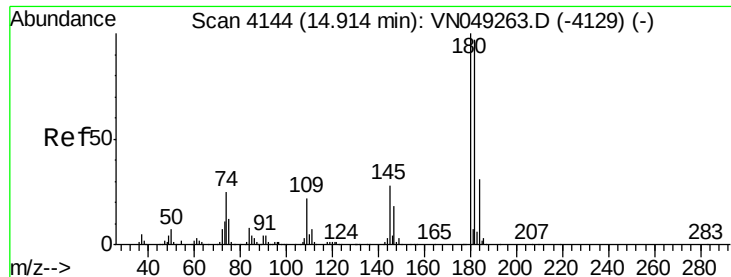
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049493.D (-3758) (-)

Ion 200.70 (200.40 to 201.40): VN049493.D (-3758) (-)

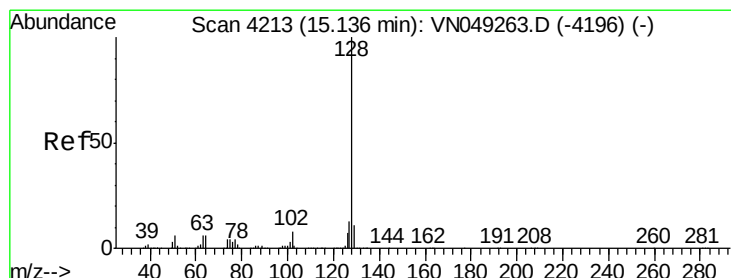
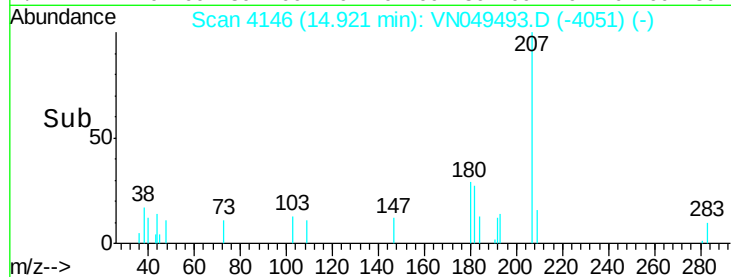
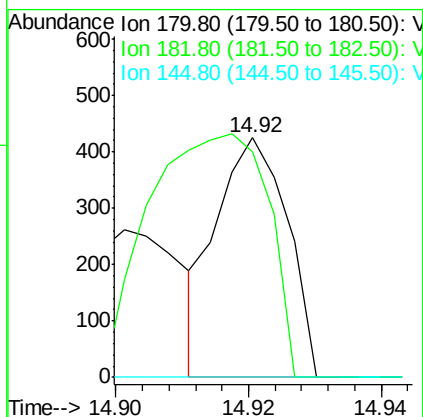
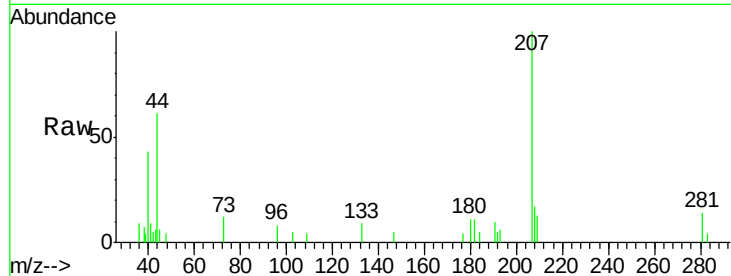




#93
 1,2,4-Trichlorobenzene
 Concen: 4.77 ug/l
 RT: 14.92 min Scan# 4146
 Delta R.T. 0.01 min
 Lab File: VN049493.D
 Acq: 22 Jun 2018 15:57

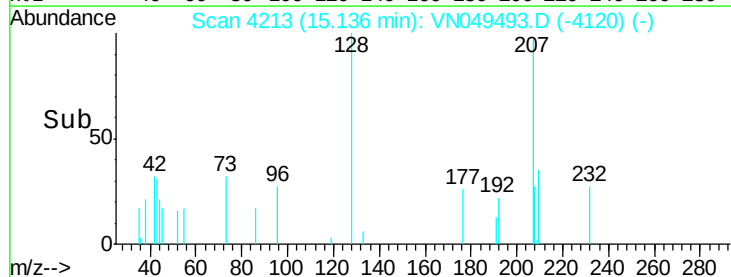
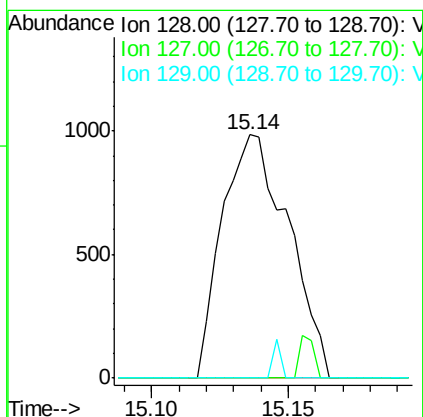
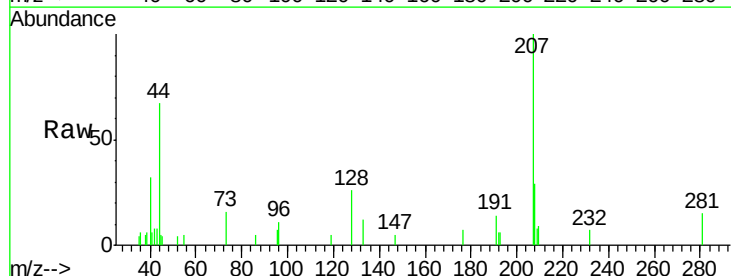
Instrument :
 MSVOA_N
 ClientSampled :

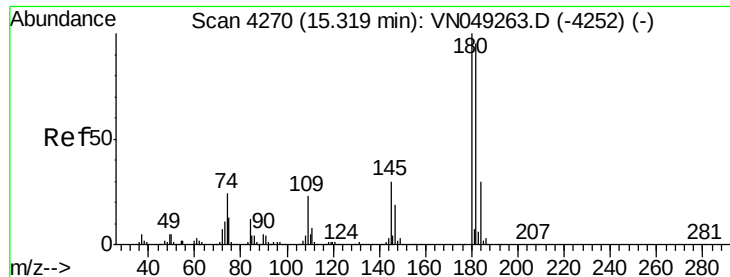
Tot Ion:180 Resp: 314
 Ion Ratio Lower Upper
 180 100
 182 172.3 46.9 140.8#
 145 0.0 14.7 44.1#



#95
 Naphthalene
 Concen: 2.19 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049493.D
 Acq: 22 Jun 2018 15:57

Tgt Ion:128 Resp: 1666
 Ion Ratio Lower Upper
 128 100
 127 3.7 10.6 16.0#
 129 1.8 8.5 12.7#





#96

1,2,3-Trichlorobenzene

Concen: 3.49 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049493.D

Acq: 22 Jun 2018 15:57

Instrument :

MSVOA_N

ClientSampleId :

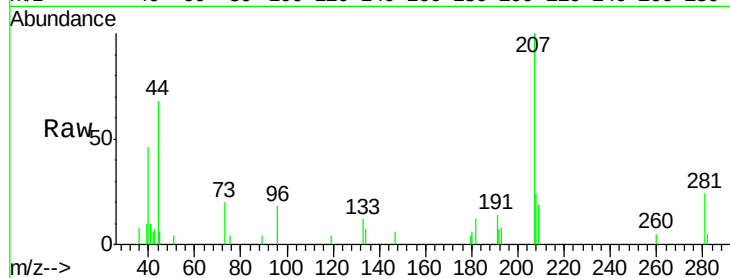
Tot Ion:180 Resp: 288

Ion Ratio Lower Upper

180 100

182 143.4 47.3 141.8#

145 0.0 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

