

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049494.D
 Acq On : 22 Jun 2018 16:23
 Operator : MD\SY
 Sample : J3649-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 22 22:15:12 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	1530828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2401929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2047151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	630326	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	1066398	52.52	ug/l	0.00
Spiked Amount						
			Recovery	=	105.04%	
35) Dibromofluoromethane	7.59	113	908259	46.74	ug/l	0.00
Spiked Amount						
			Recovery	=	93.48%	
50) Toluene-d8	10.09	98	3386059	45.76	ug/l	0.00
Spiked Amount						
			Recovery	=	91.52%	
62) 4-Bromofluorobenzene	12.40	95	887329	36.27	ug/l	0.00
Spiked Amount						
			Recovery	=	72.54%	

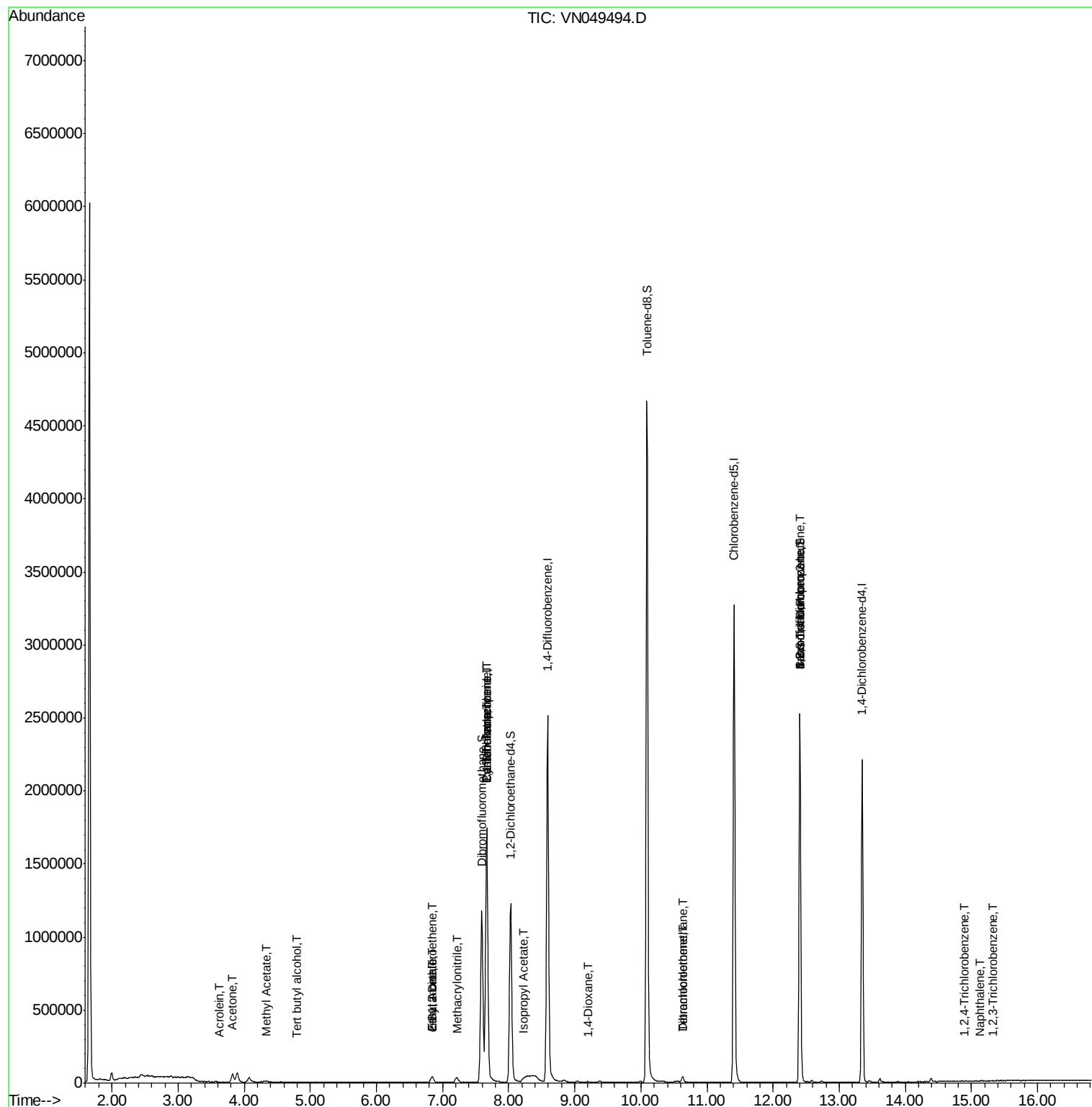
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	748	0.63	ug/l #	70
13) Acrolein	3.62	56	349	0.28	ug/l #	47
16) Acetone	3.82	43	94959	19.26	ug/l	95
18) Methyl Acetate	4.33	43	6413	0.43	ug/l #	34
25) 2-Butanone	6.85	43	44689	6.75	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	15035	0.73	ug/l	77
31) Cyclohexane	7.66	56	26930	0.72	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	105523	3.83	ug/l #	50
37) Ethyl Acetate	6.85	43	44689	2.99	ug/l #	51
38) Carbon Tetrachloride	7.67	117	136817	4.80	ug/l #	16
41) Methacrylonitrile	7.21	41	5628	0.70	ug/l #	100
43) Isopropyl Acetate	8.22	43	15088	0.53	ug/l #	64
49) 1,4-Dioxane	9.21	88	177	0.95	ug/l #	1
60) Dibromochloromethane	10.63	129	7645	0.37	ug/l #	10
64) Tetrachloroethene	10.63	164	10072	0.48	ug/l	89
71) Bromoform	12.41	173	6121	0.48	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	32	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	434520	40.40	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	434520	127.69	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.90	180	255	4.76	ug/l #	86
95) Naphthalene	15.14	128	641	2.12	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.33	180	531	3.50	ug/l #	54

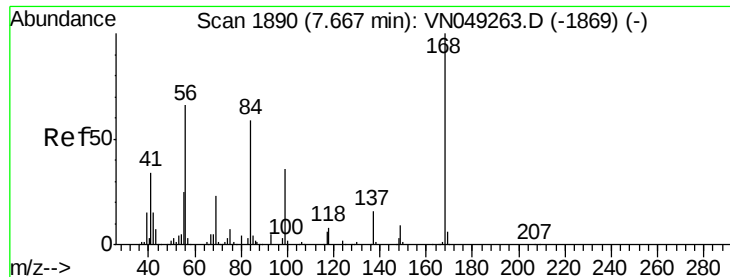
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062218\
Data File : VN049494.D
Acq On : 22 Jun 2018 16:23
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Sample : J3649-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 22 22:15:12 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: VN049494.D

Acq: 22 Jun 2018 16:23

Instrument :

MSVOA_N

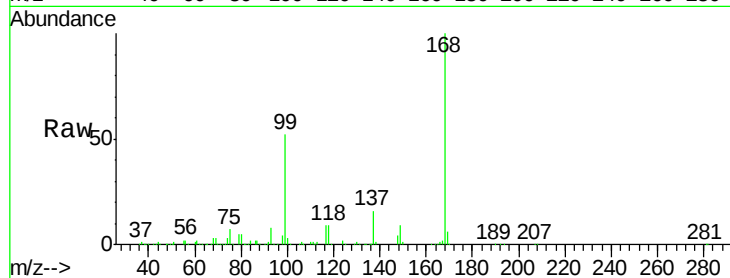
ClientSampleId :

Tot Ion:168 Resp: 1530828

Ion Ratio Lower Upper

168 100

99 52.0 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

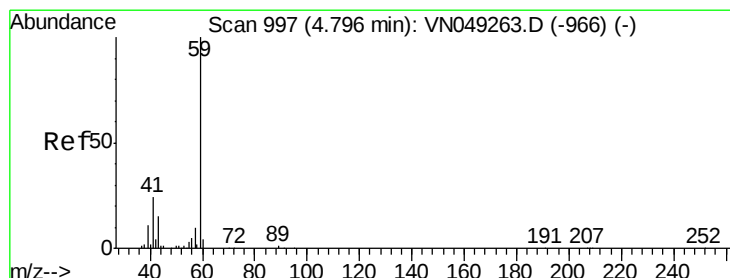
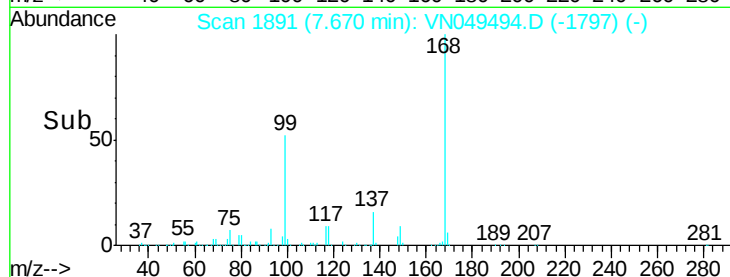
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.63 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN049494.D

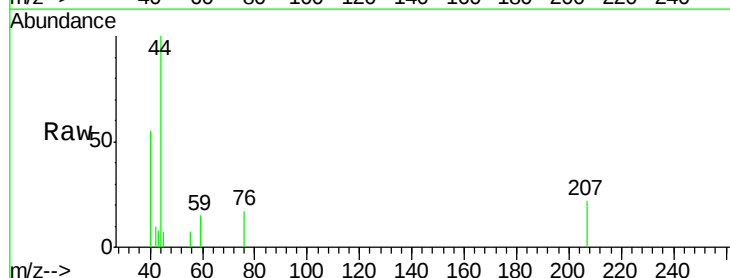
Acq: 22 Jun 2018 16:23

Tgt Ion: 59 Resp: 748

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.79

500

400

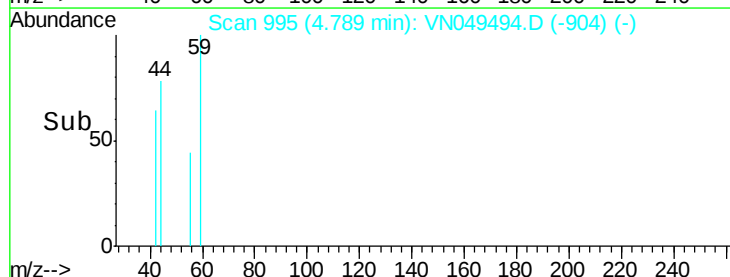
300

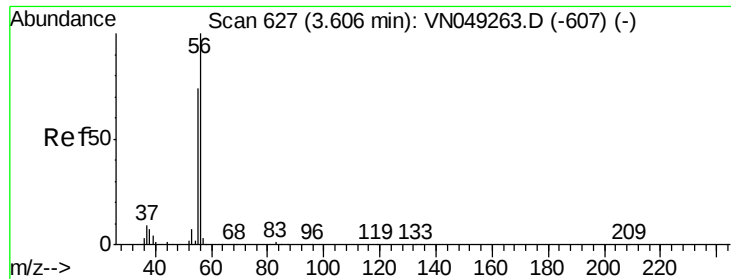
200

100

0

Time-->





#13

Acrolein

Concen: 0.28 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

Instrument :

MSVOA_N

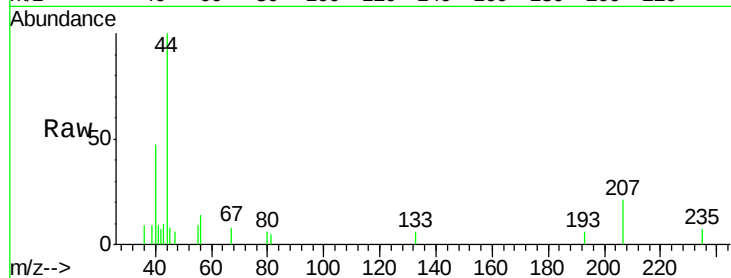
ClientSampled :

Tot Ion: 56 Resp: 349

Ion Ratio Lower Upper

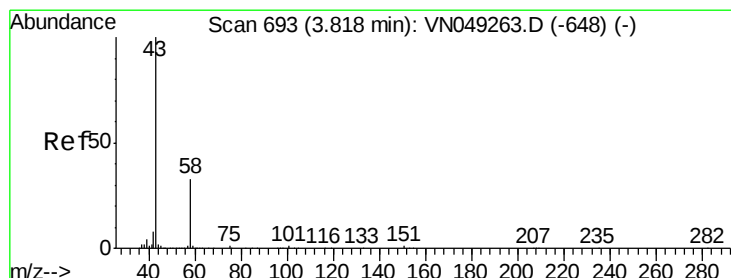
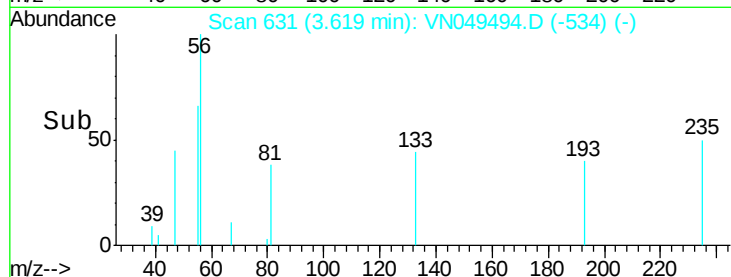
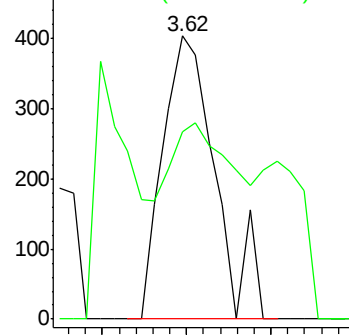
56 100

55 27.5 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 19.26 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049494.D

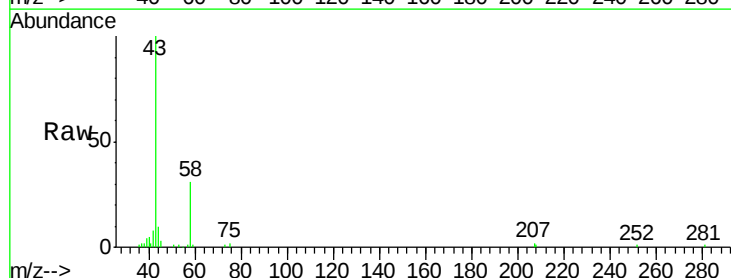
Acq: 22 Jun 2018 16:23

Tgt Ion: 43 Resp: 94959

Ion Ratio Lower Upper

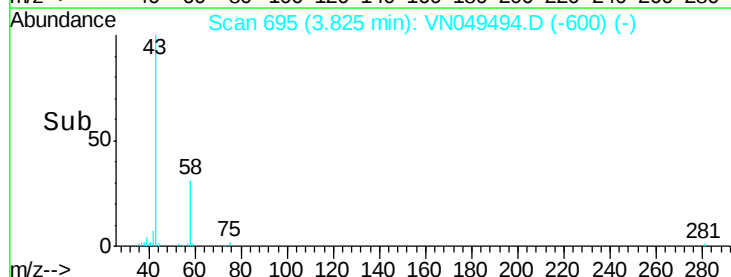
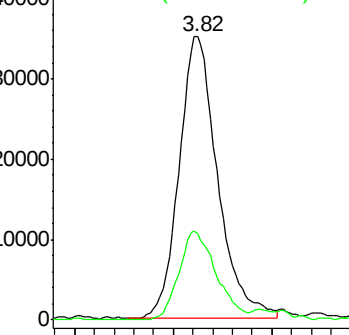
43 100

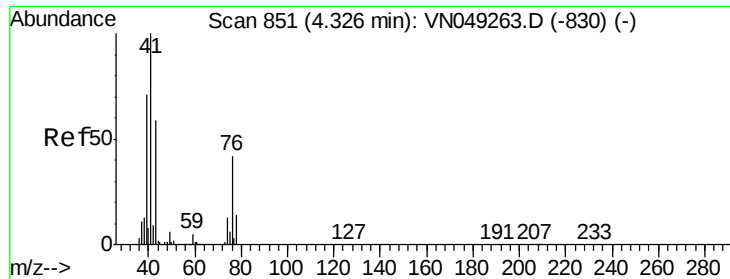
58 30.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

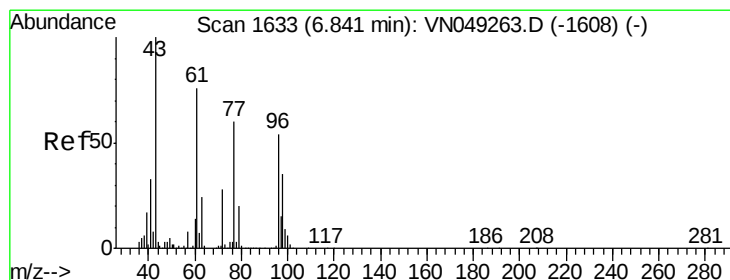
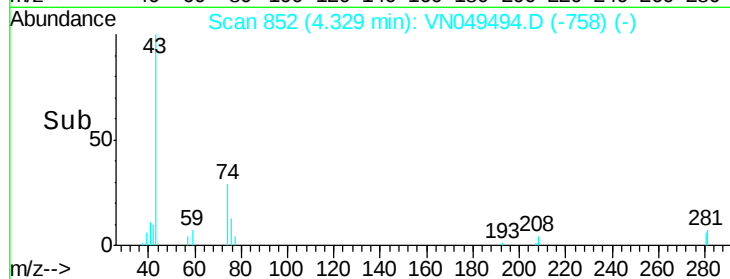
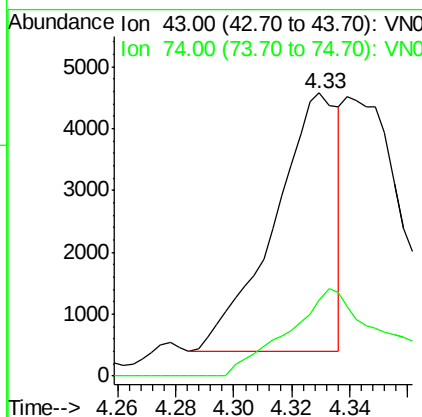
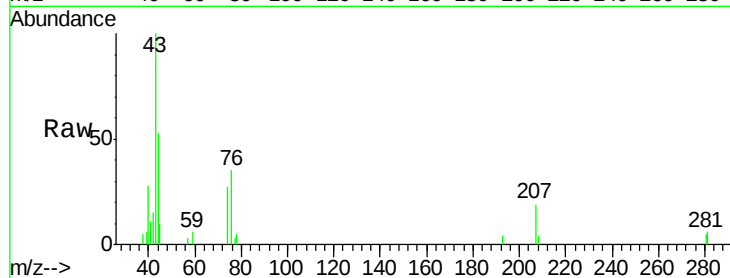




#18
Methvl Acetate
Concen: 0.43 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

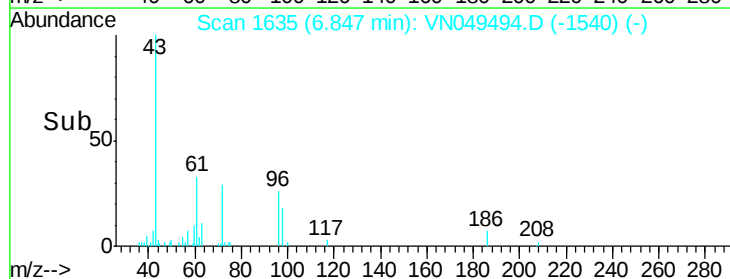
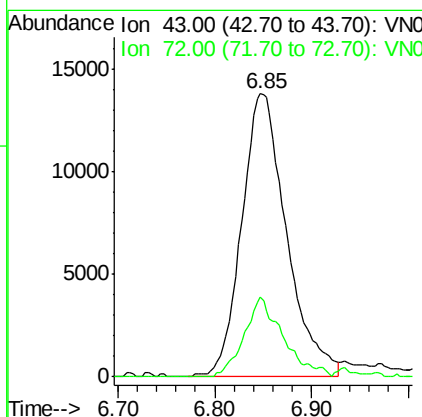
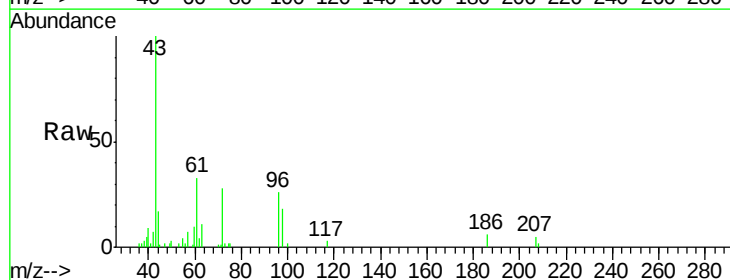
Instrument :
MSVOA_N
ClientSampled :

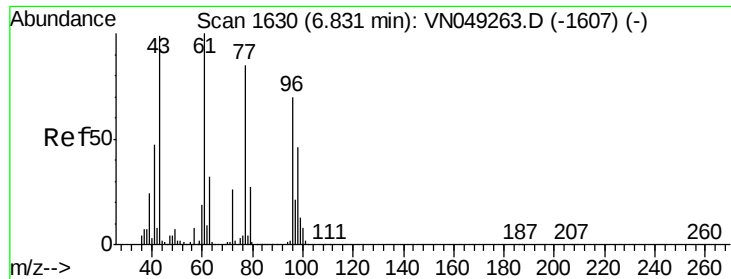
Tot Ion: 43 Resp: 6413
Ion Ratio Lower Upper
43 100
74 52.8 17.4 26.0#



#25
2-Butanone
Concen: 6.75 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Tgt Ion: 43 Resp: 44689
Ion Ratio Lower Upper
43 100
72 28.2 20.2 30.2





#27

cis-1,2-Dichloroethene

Concen: 0.73 ug/l

RT: 6.83 min Scan# 1629

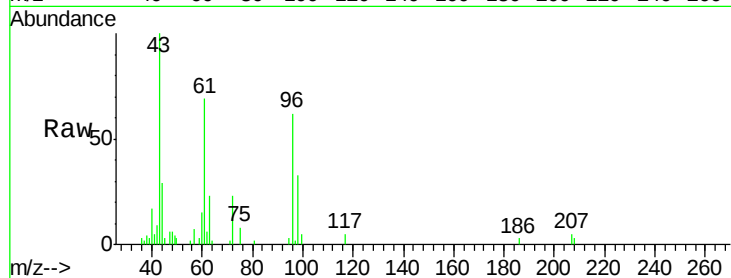
Delta R.T. -0.00 min

Lab File: VN049494.D

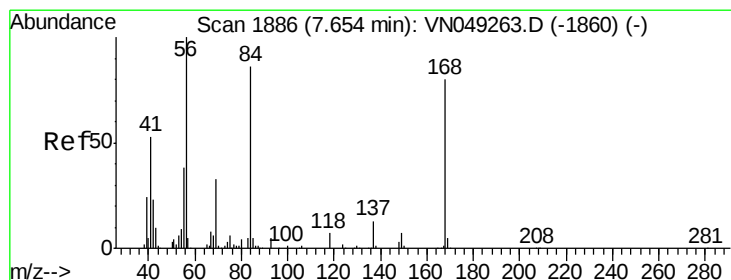
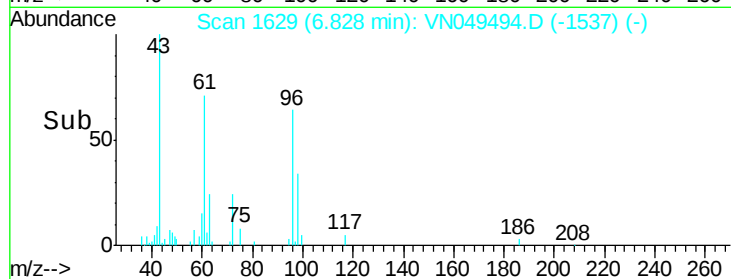
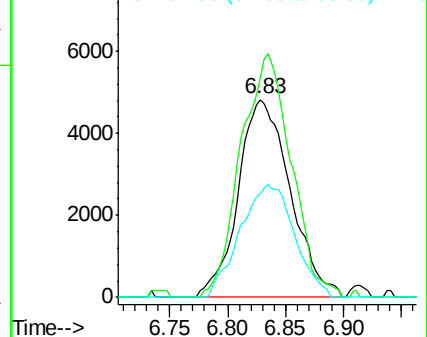
Acq: 22 Jun 2018 16:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	96	Resp:	15035
Ion	Ratio	Lower	Upper
96	100		
61	119.6	0.0	316.4
98	59.5	0.0	128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049494.D (-1537) (-)



#31

Cyclohexane

Concen: 0.72 ug/l

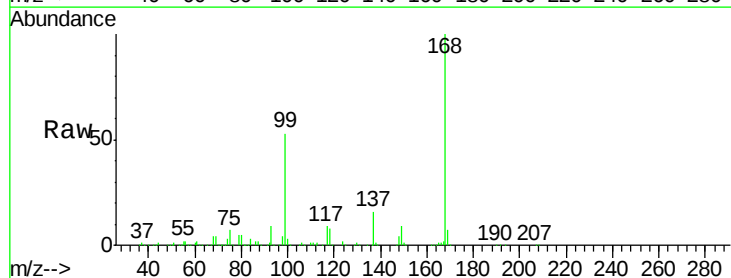
RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

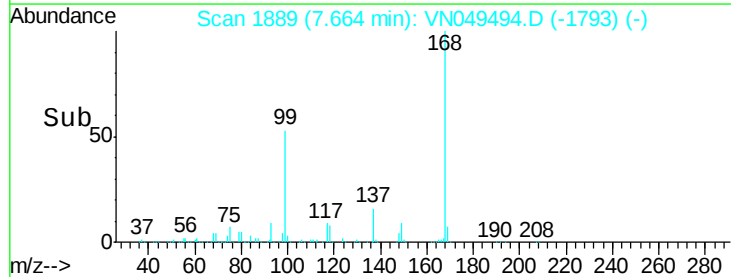
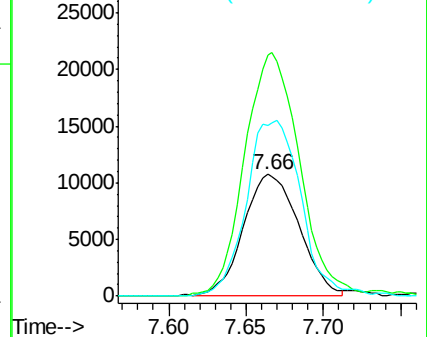
Lab File: VN049494.D

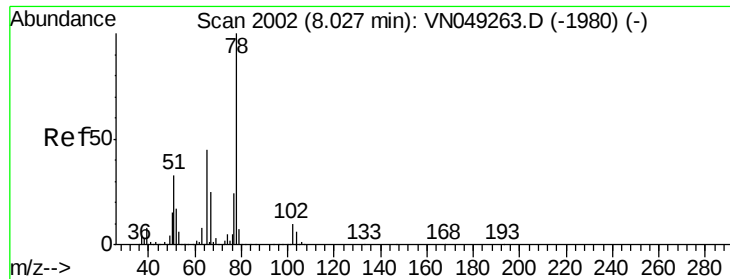
Acq: 22 Jun 2018 16:23

Tgt Ion:	56	Resp:	26930
Ion	Ratio	Lower	Upper
56	100		
69	196.1	25.0	37.4#
84	140.0	64.6	96.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049494.D (-1793) (-)

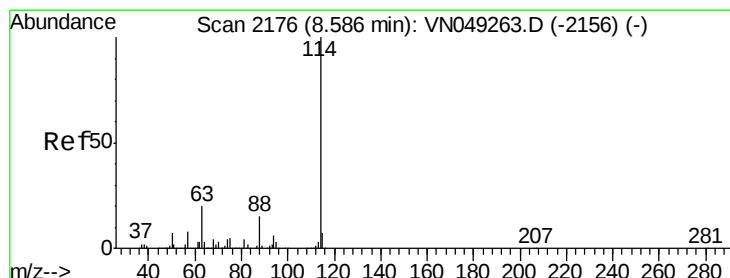
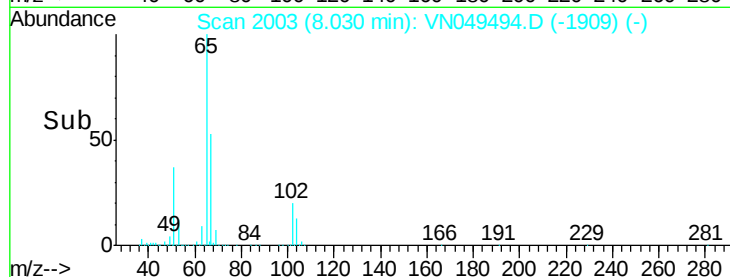
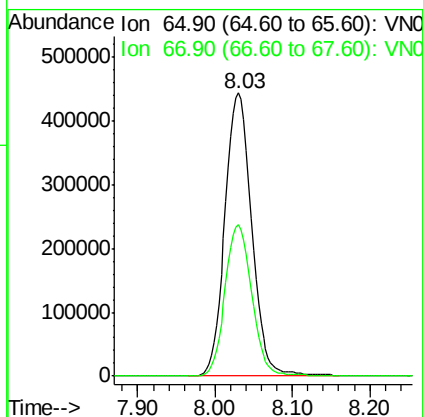
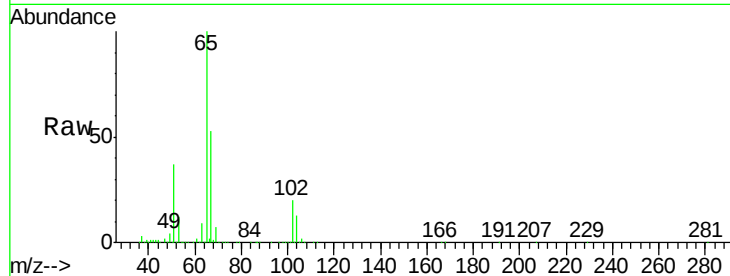




#33
 1,2-Dichloroethane-d4
 Concen: 52.52 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049494.D
 Acq: 22 Jun 2018 16:23

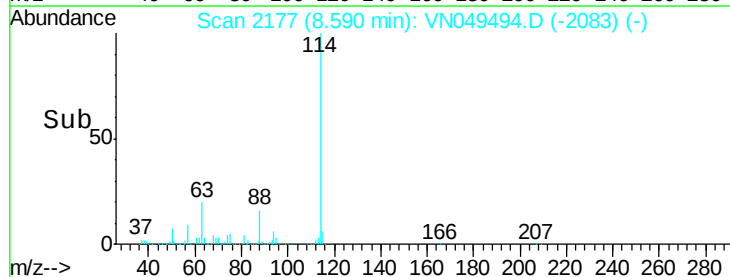
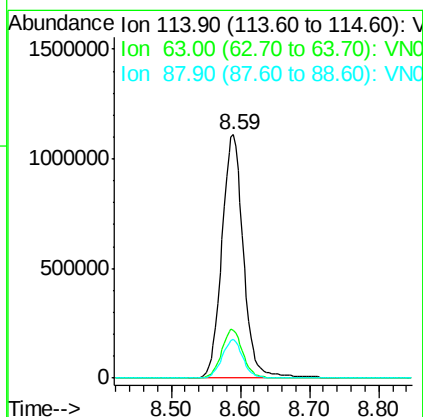
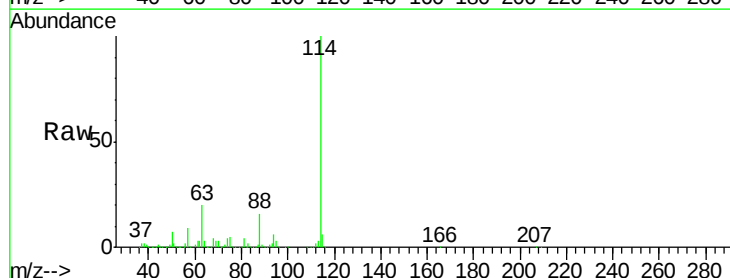
Instrument :
 MSVOA_N
 ClientSampleId :

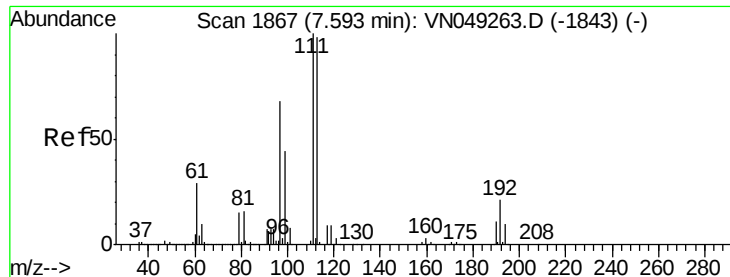
Tot Ion: 65 Resp: 1066398
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049494.D
 Acq: 22 Jun 2018 16:23

Tgt Ion: 114 Resp: 2401929
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.8 0.0 31.4

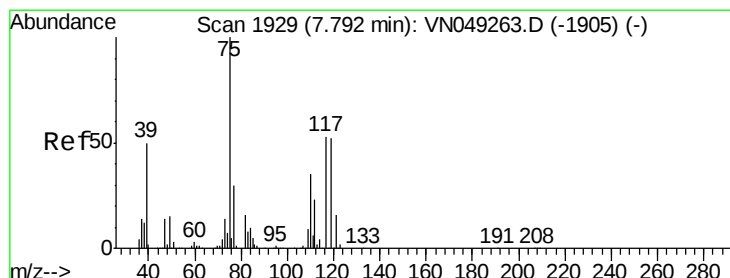
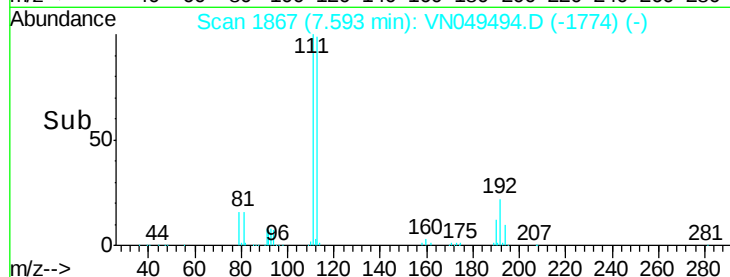
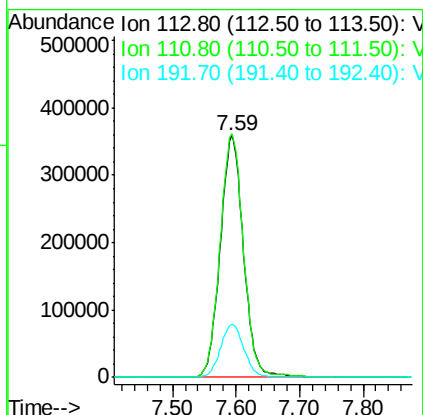
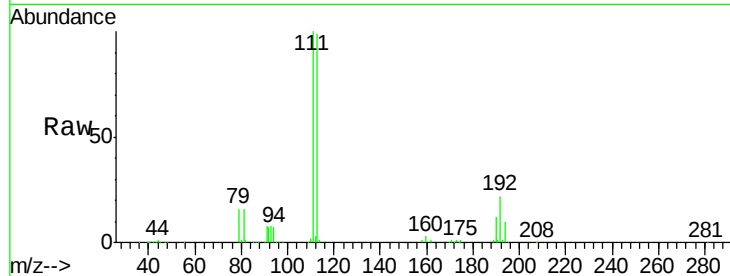




#35
 Dibromofluoromethane
 Concen: 46.74 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049494.D
 Acq: 22 Jun 2018 16:23

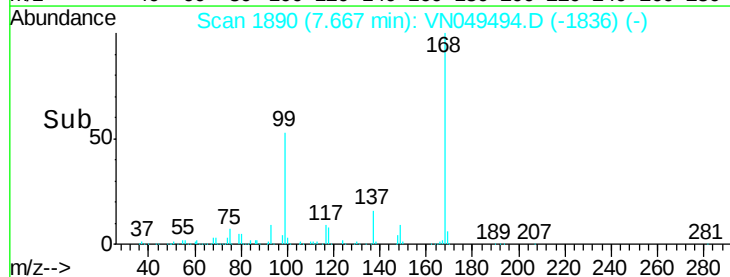
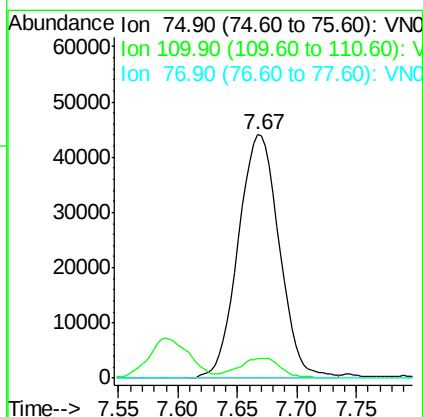
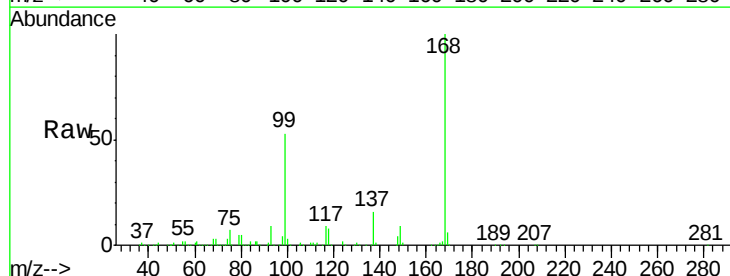
Instrument :
 MSVOA_N
 ClientSampleId :

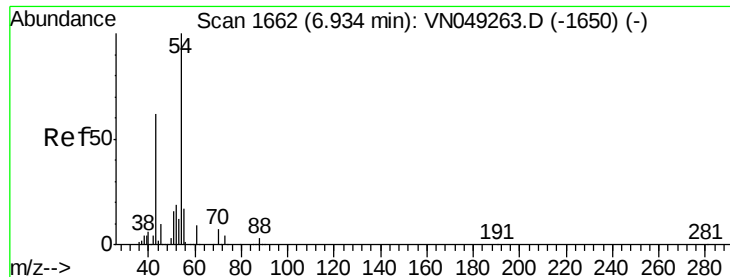
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.4	123.6
192	22.1	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049494.D
 Acq: 22 Jun 2018 16:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.4	36.6#

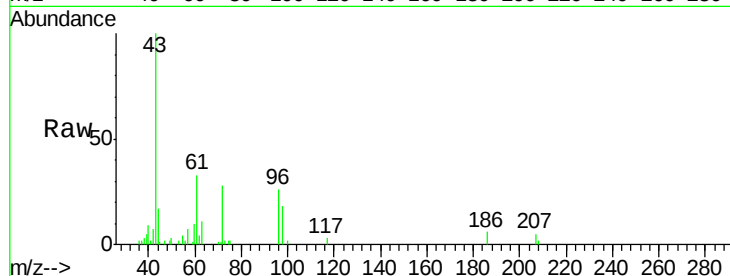




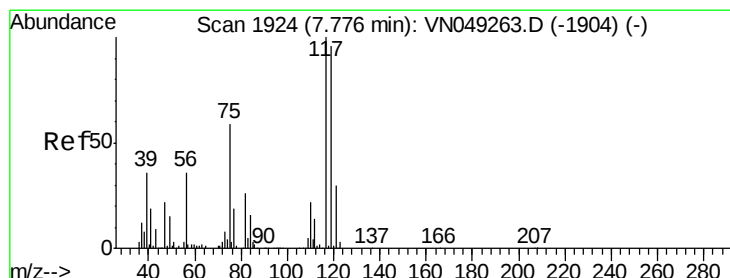
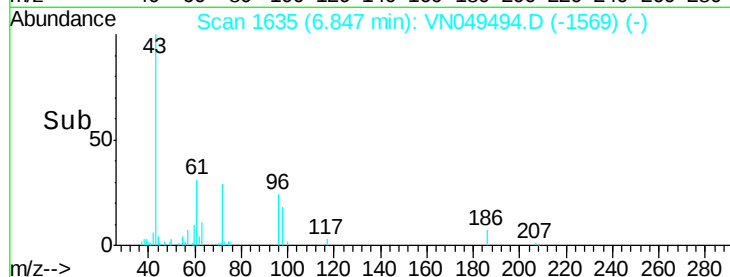
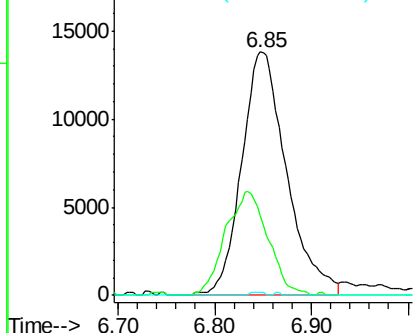
#37
Ethyl Acetate
Concen: 2.99 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. -0.09 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 44689
Ion Ratio Lower Upper
43 100
61 40.2 11.0 16.4#
70 0.4 7.2 10.8#

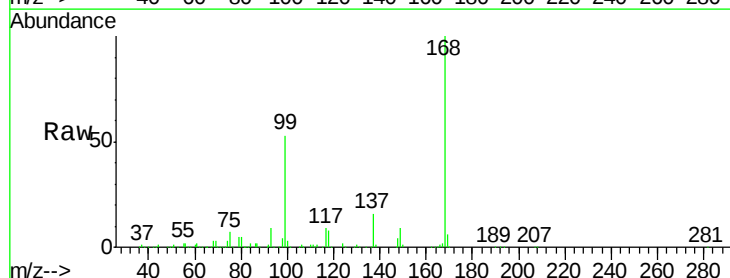


Abundance Ion 43.00 (42.70 to 43.70): VN049494.D (-1569) (-)
Ion 60.90 (60.60 to 61.60): VN049494.D (-1569) (-)
Ion 70.00 (69.70 to 70.70): VN049494.D (-1569) (-)

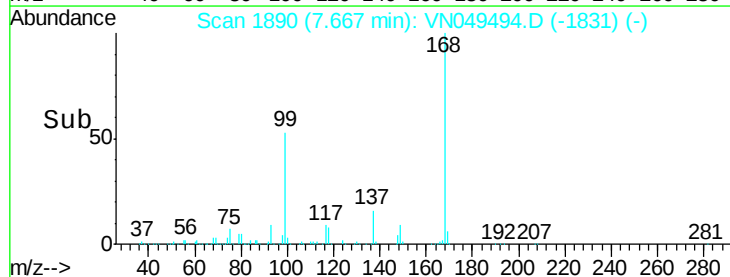
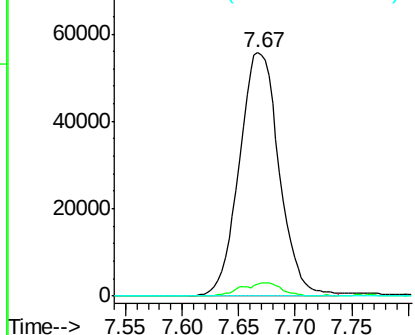


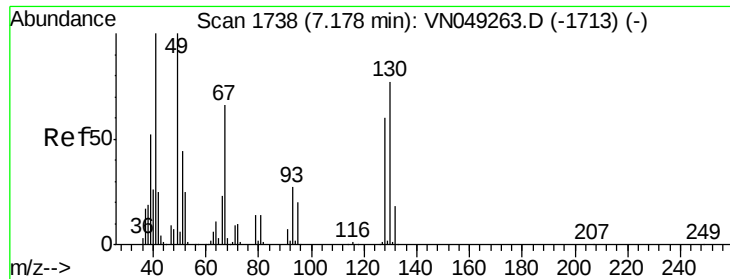
#38
Carbon Tetrachloride
Concen: 4.80 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Tgt Ion: 117 Resp: 136817
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN049494.D (-1831) (-)
Ion 118.80 (118.50 to 119.50): VN049494.D (-1831) (-)
Ion 120.80 (120.50 to 121.50): VN049494.D (-1831) (-)

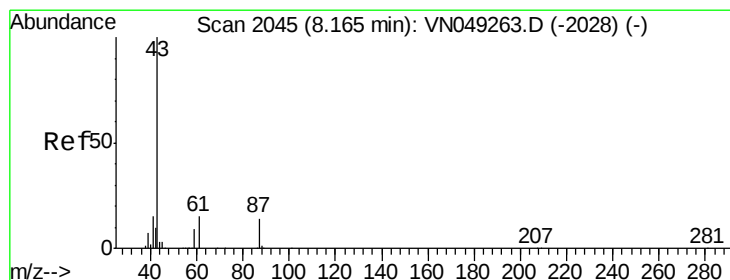
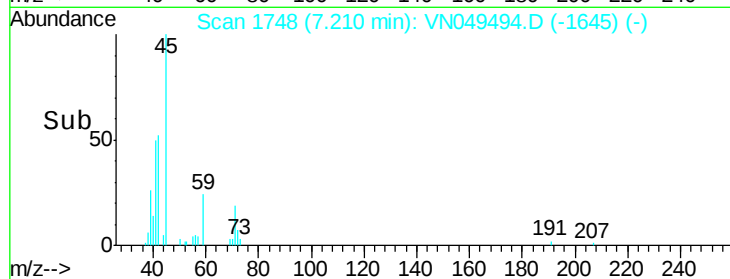
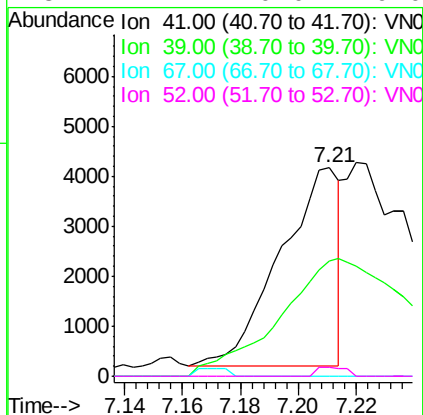
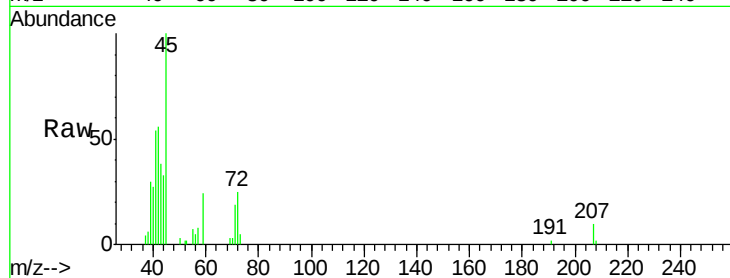




#41
Methacrylonitrile
Concen: 0.70 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. 0.03 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

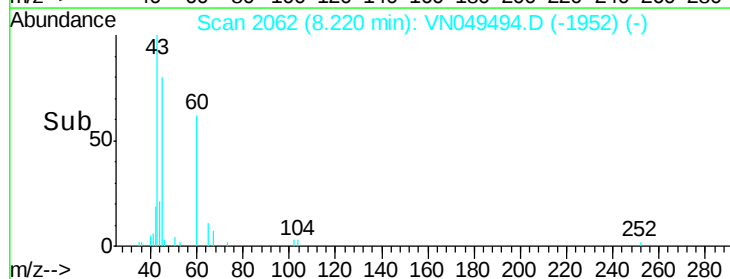
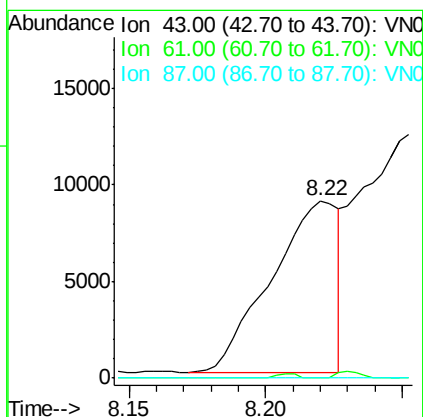
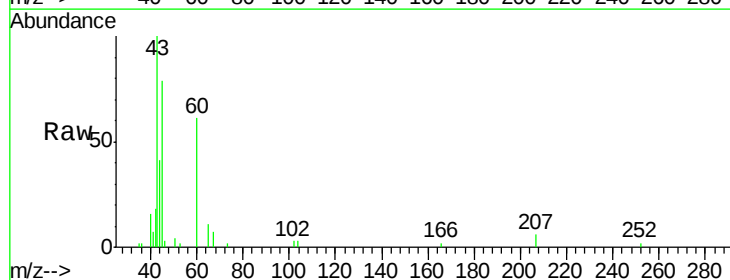
Instrument :
MSVOA_N
ClientSampled :

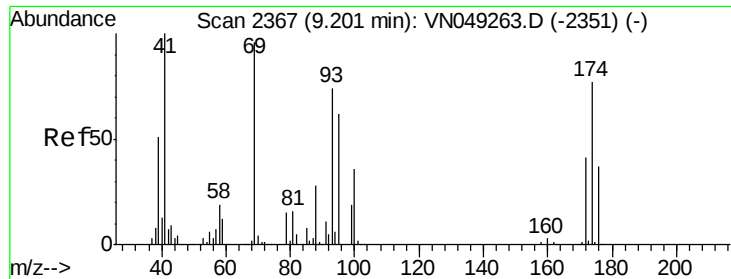
Tot Ion:	41	Resp:	5628
Ion	Ratio	Lower	Upper
41	100		
39	126.6	0.0	0.0#
67	0.0	0.0	0.0
52	2.2	0.0	0.0#



#43
Isopropyl Acetate
Concen: 0.53 ug/l
RT: 8.22 min Scan# 2062
Delta R.T. 0.05 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Tgt Ion:	43	Resp:	15088
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.2	21.4#
87	0.0	9.4	14.0#

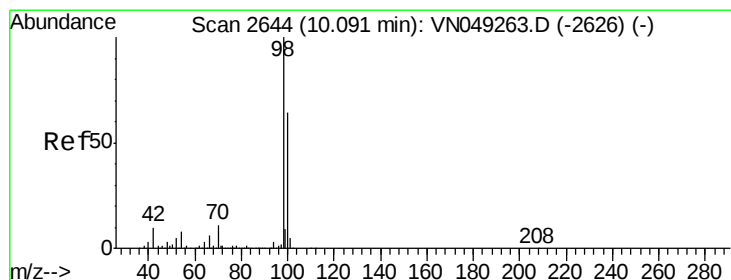
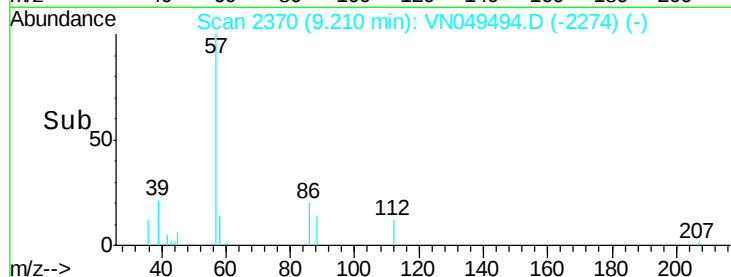
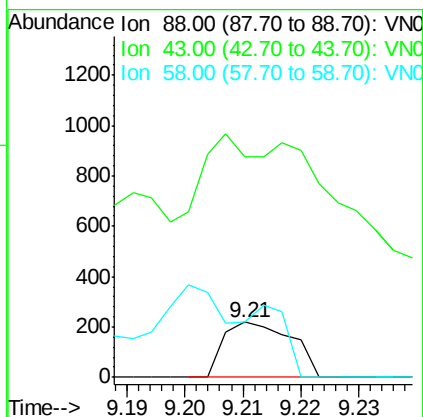
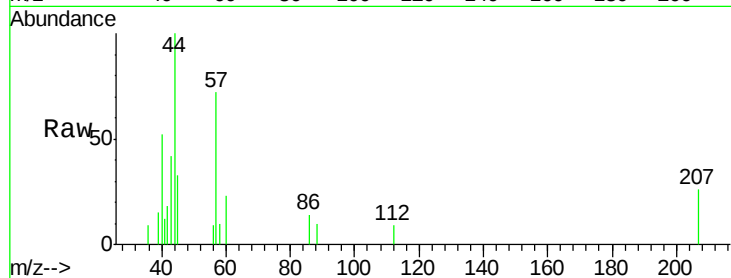




#49
1,4-Dioxane
Concen: 0.95 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

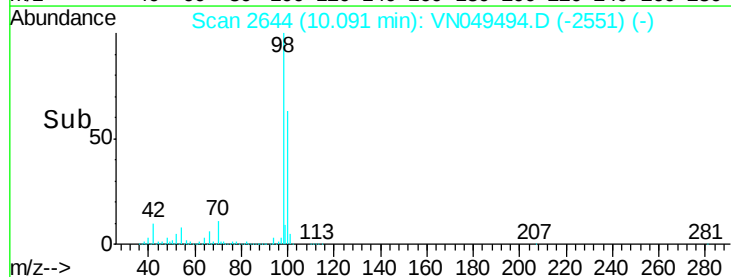
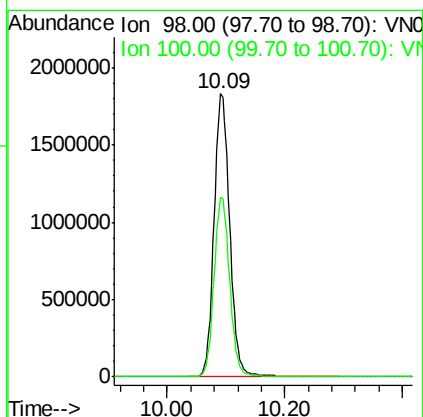
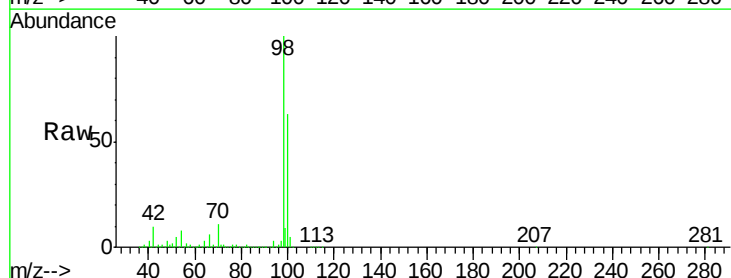
Instrument :
MSVOA_N
ClientSampled :

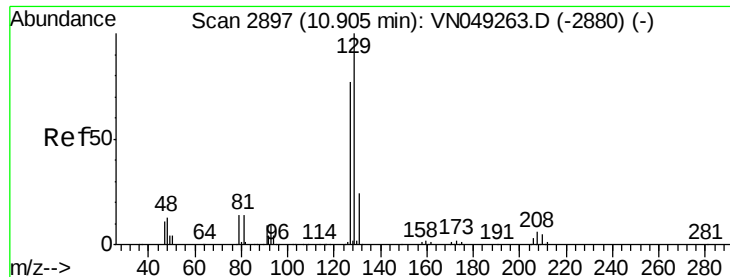
Tot Ion: 88 Resp: 177
Ion Ratio Lower Upper
88 100
43 127.7 30.9 46.3#
58 268.9 58.9 88.3#



#50
Toluene-d8
Concen: 45.76 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Tgt Ion: 98 Resp: 3386059
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.8





#60

Dibromochloromethane

Concen: 0.37 ug/l

RT: 10.63 min Scan# 2811

Delta R.T. -0.28 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

Instrument :

MSVOA_N

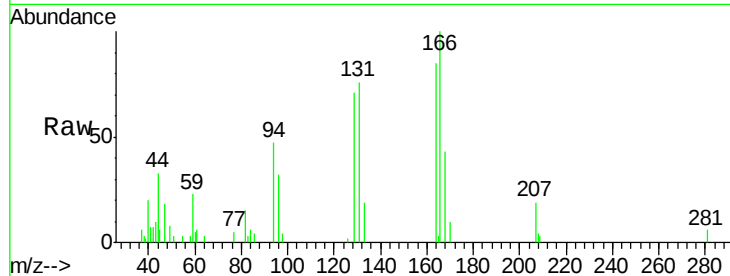
ClientSampleId :

Tot Ion:129 Resp: 7645

Ion Ratio Lower Upper

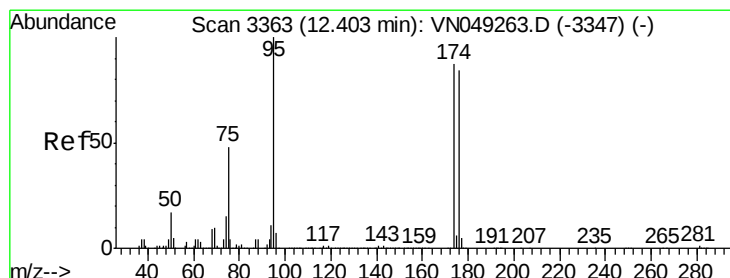
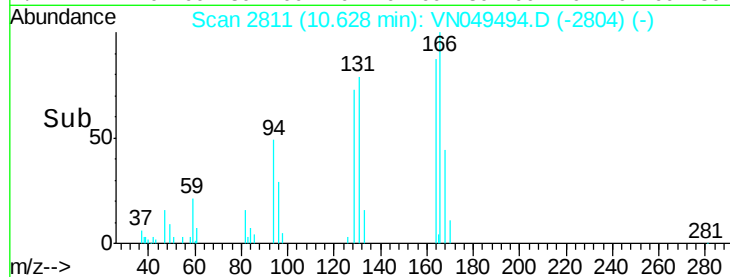
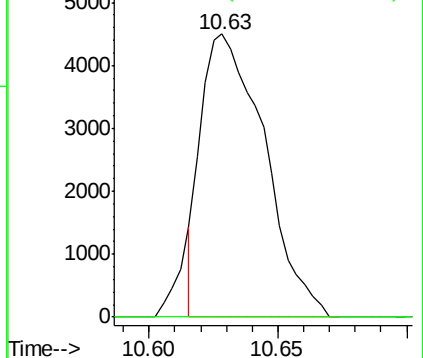
129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 36.27 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

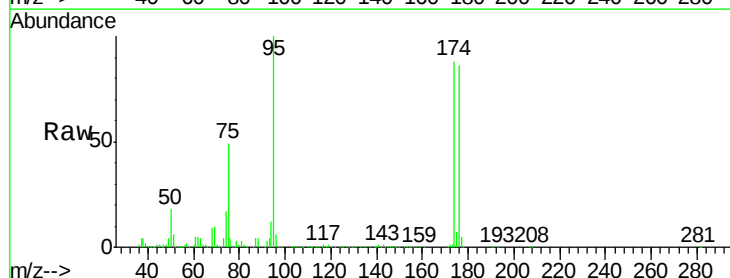
Tgt Ion: 95 Resp: 887329

Ion Ratio Lower Upper

95 100

174 90.0 0.0 165.6

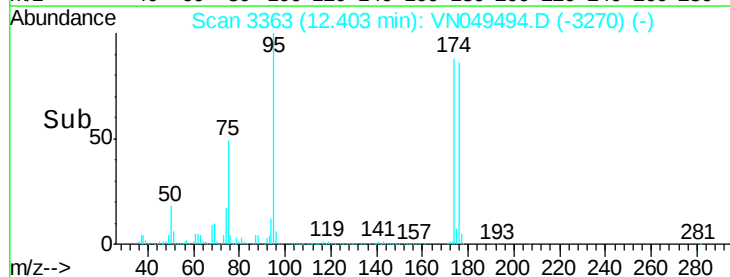
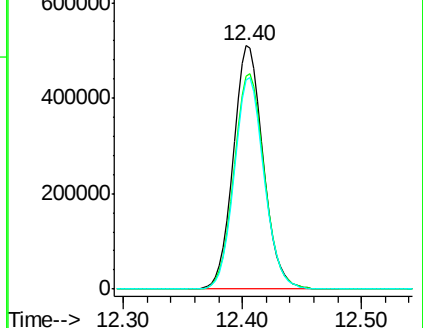
176 86.9 0.0 157.4

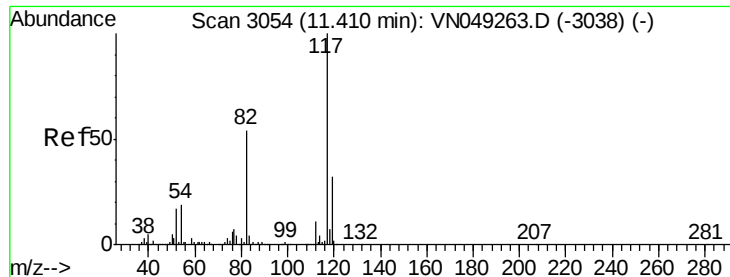


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

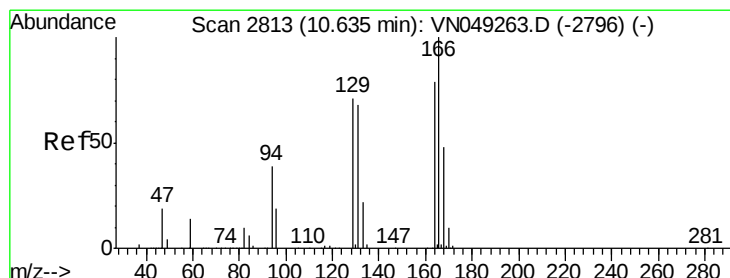
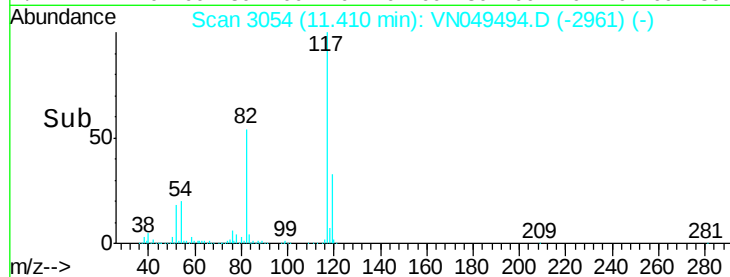
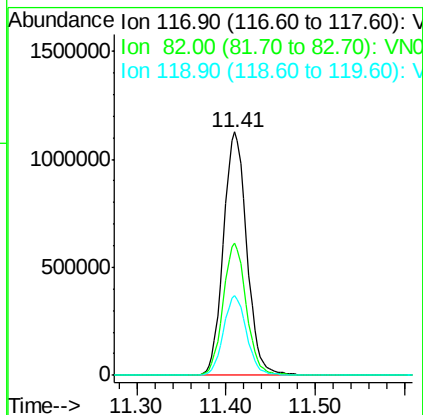
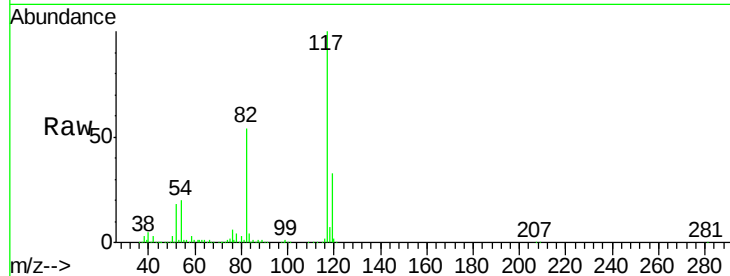




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

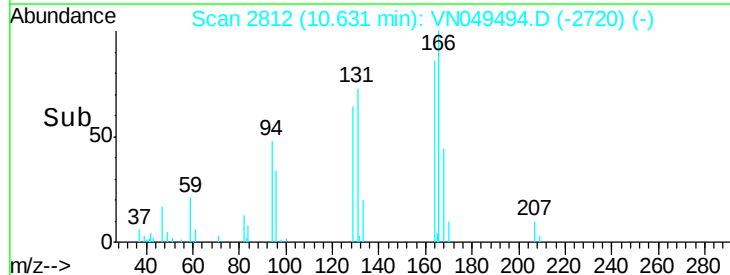
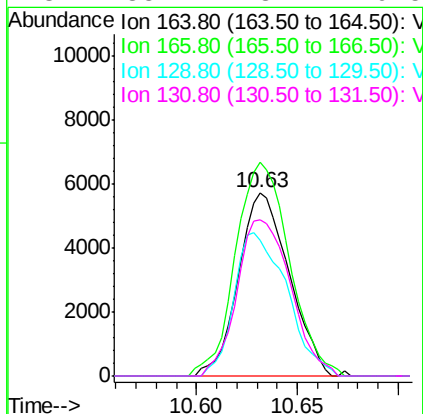
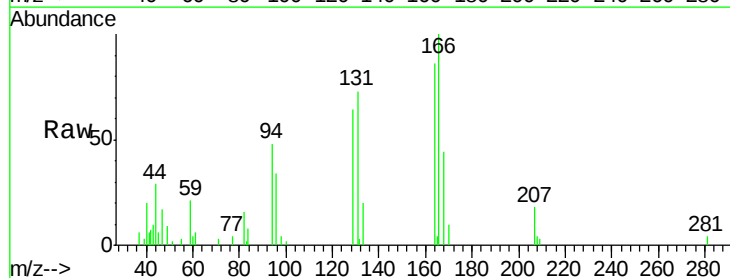
Instrument :
MSVOA_N
ClientSampled :

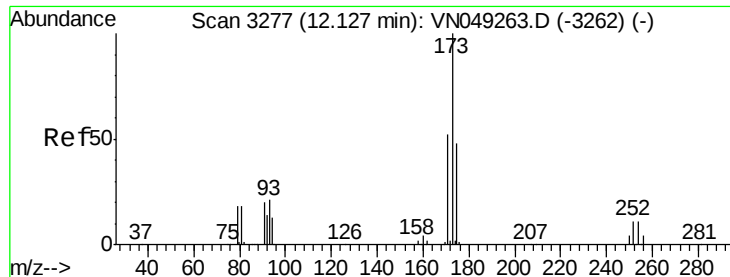
Tot Ion:117 Resp: 2047151
Ion Ratio Lower Upper
117 100
82 54.1 45.9 68.9
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 0.48 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Tgt Ion:164 Resp: 10072
Ion Ratio Lower Upper
164 100
166 116.4 101.4 152.2
129 74.2 74.1 111.1
131 85.4 73.7 110.5





#71

Bromoform

Concen: 0.48 ug/l

RT: 12.41 min Scan# 3365

Delta R.T. 0.28 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

Instrument :

MSVOA_N

ClientSampleId :

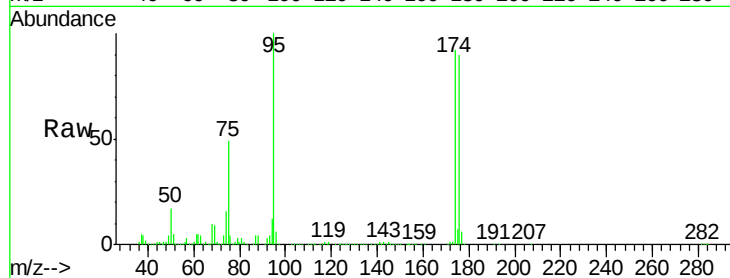
Tot Ion:173 Resp: 6121

Ion Ratio Lower Upper

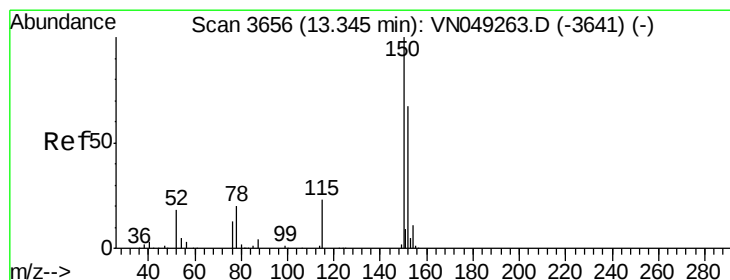
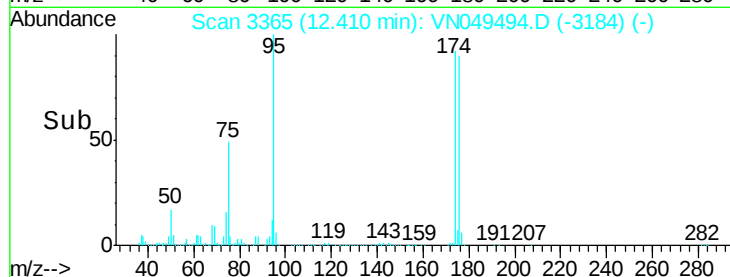
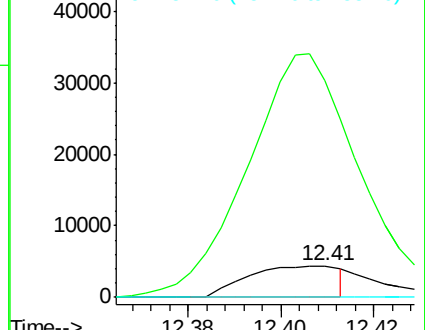
173 100

175 739.0 24.5 73.5#

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

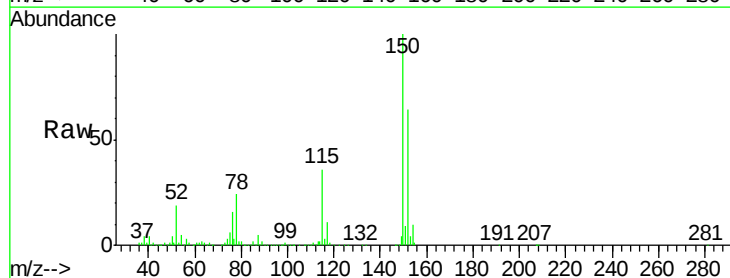
Tgt Ion:152 Resp: 630326

Ion Ratio Lower Upper

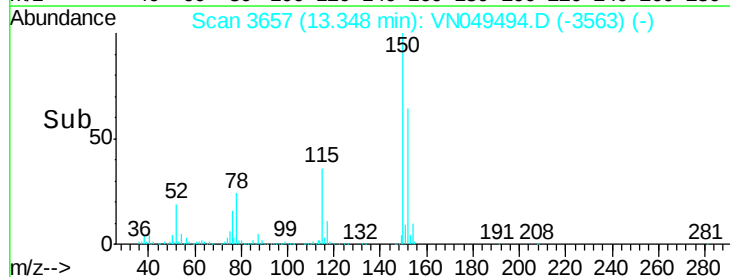
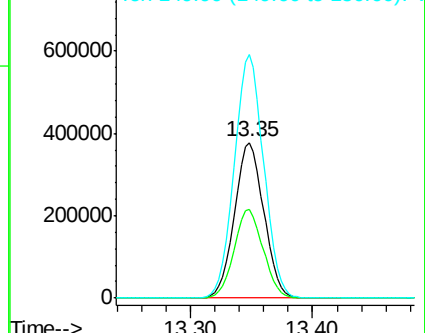
152 100

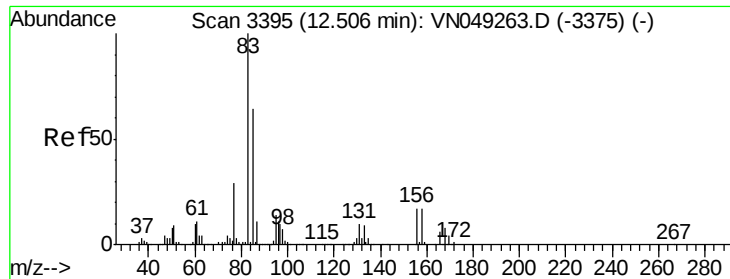
115 56.5 28.7 86.1

150 157.0 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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

Instrument :

MSVOA_N

ClientSampled :

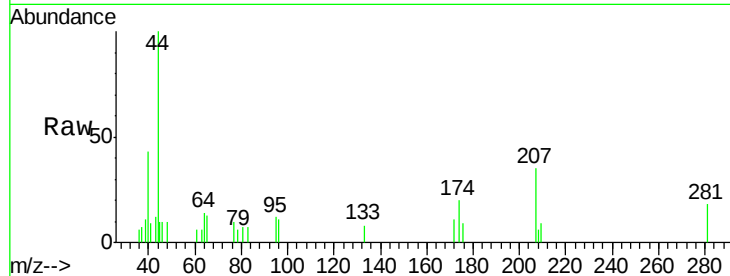
Tot Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

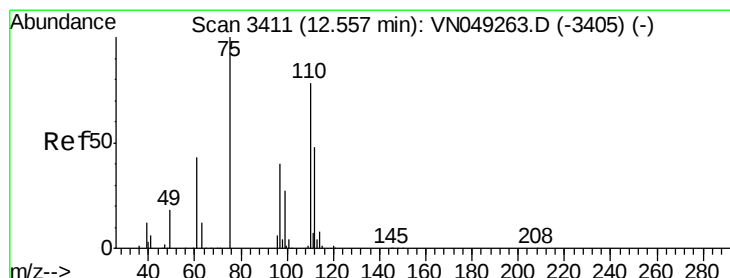
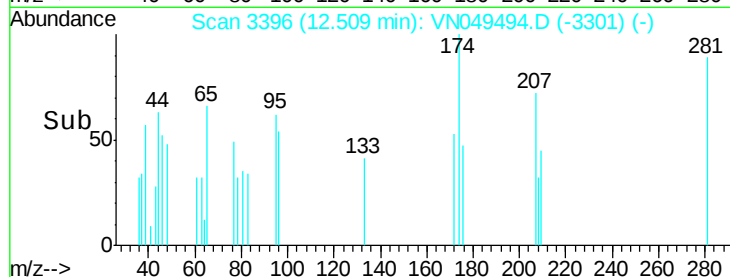
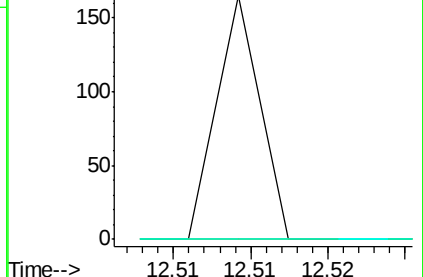
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 40.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049494.D

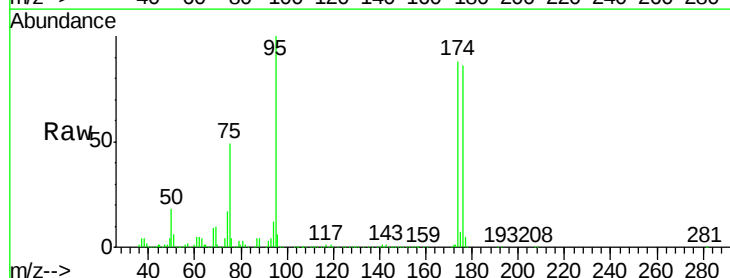
Acq: 22 Jun 2018 16:23

Tgt Ion: 75 Resp: 434520

Ion Ratio Lower Upper

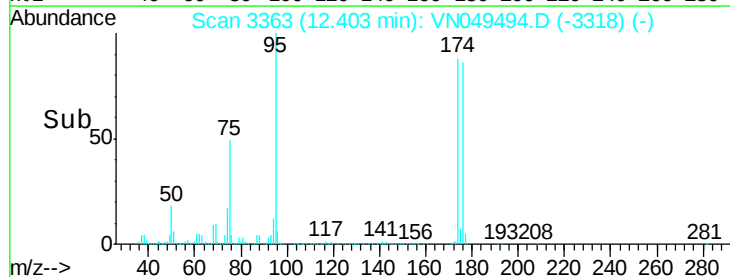
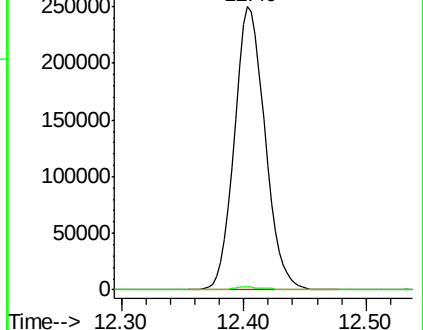
75 100

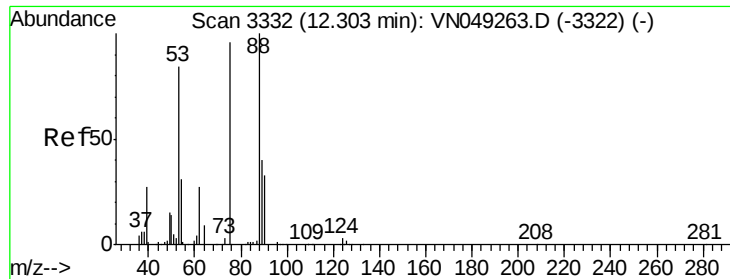
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 127.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

Instrument :

MSVOA_N

ClientSampleId :

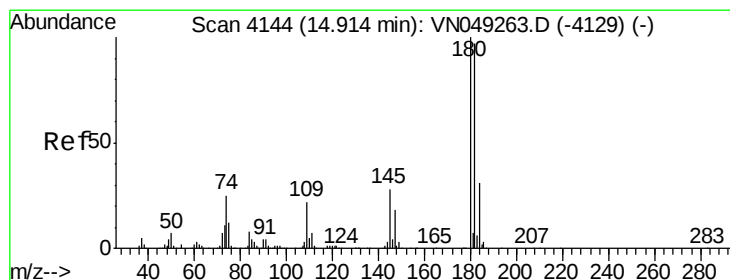
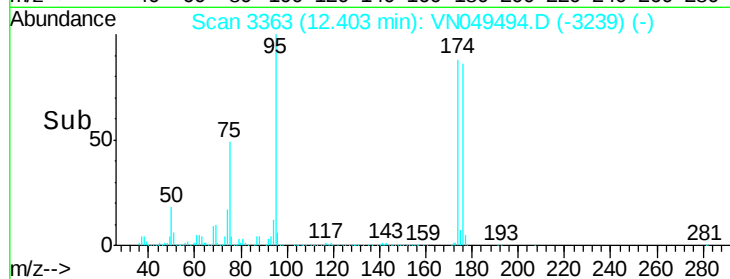
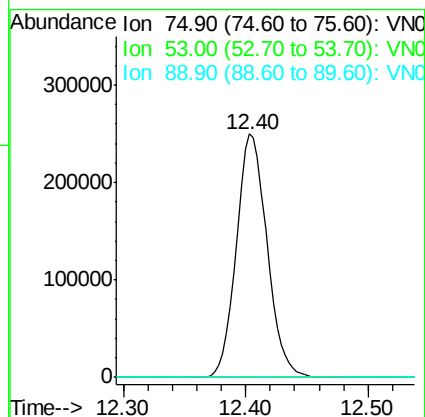
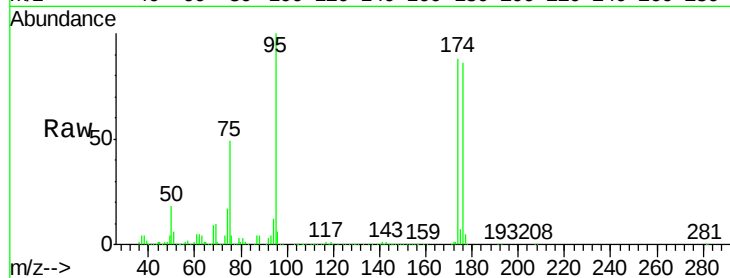
Tot Ion: 75 Resp: 434520

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#



#93

1,2,4-Trichlorobenzene

Concen: 4.76 ug/l

RT: 14.90 min Scan# 4139

Delta R.T. -0.02 min

Lab File: VN049494.D

Acq: 22 Jun 2018 16:23

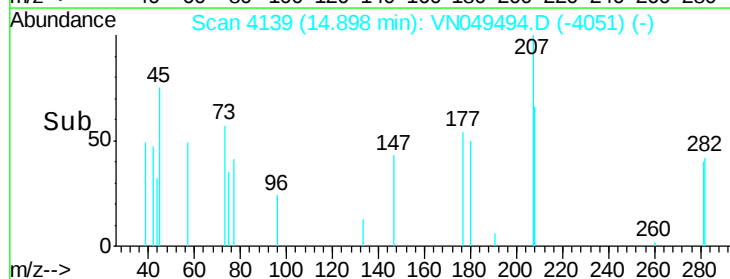
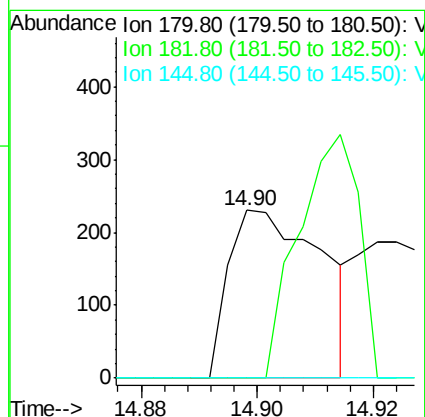
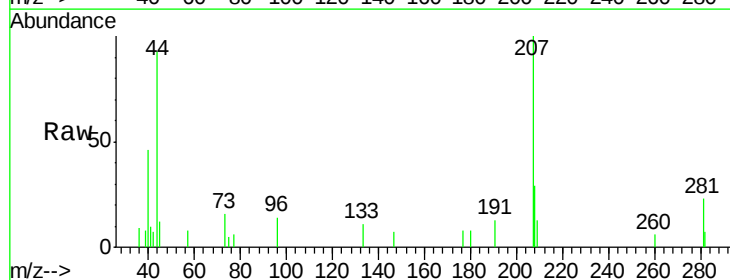
Tgt Ion:180 Resp: 255

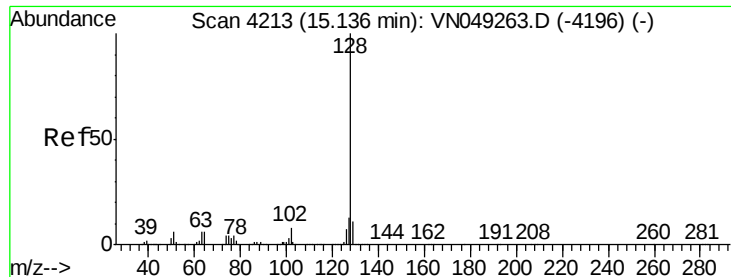
Ion Ratio Lower Upper

180 100

182 94.9 46.9 140.8

145 0.0 14.7 44.1#

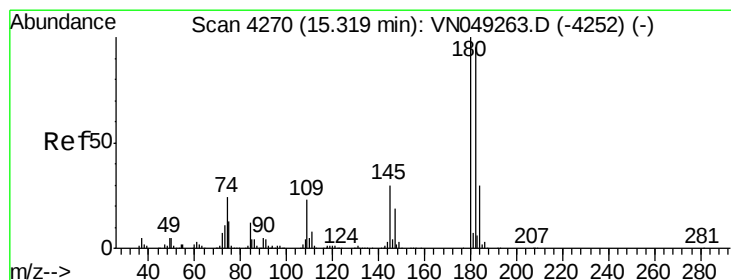
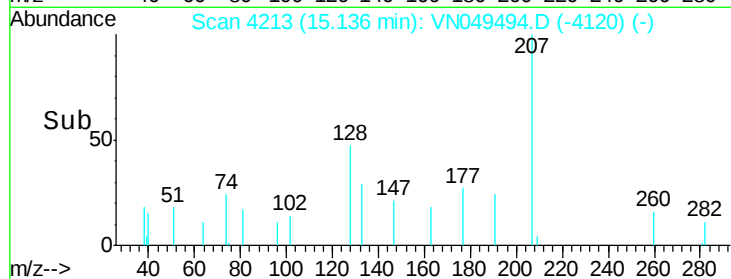
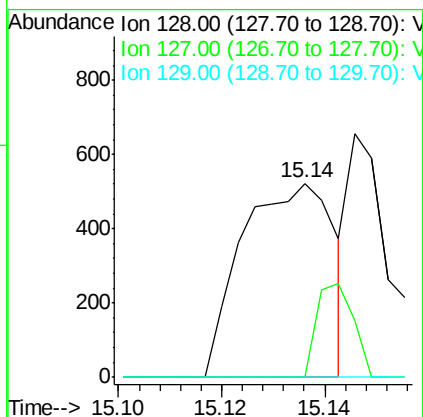
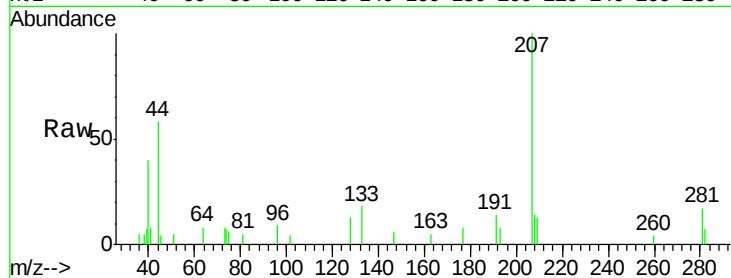




#95
Naphthalene
Concen: 2.12 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 641
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 3.50 ug/l
RT: 15.33 min Scan# 4272
Delta R.T. 0.01 min
Lab File: VN049494.D
Acq: 22 Jun 2018 16:23

Tgt Ion:180 Resp: 531
Ion Ratio Lower Upper
180 100
182 44.4 47.3 141.8#
145 15.6 15.6 46.7

