

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049706.D
 Acq On : 3 Jul 2018 20:40
 Operator : MD\SY
 Sample : PB110796ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:10:37 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	1236889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2060049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1725614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	636822	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	863335	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	7.59	113	727712	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	10.09	98	2752955	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	
62) 4-Bromofluorobenzene	12.40	95	806636	39.19	ug/l	0.00
Spiked Amount			Recovery	=	78.38%	

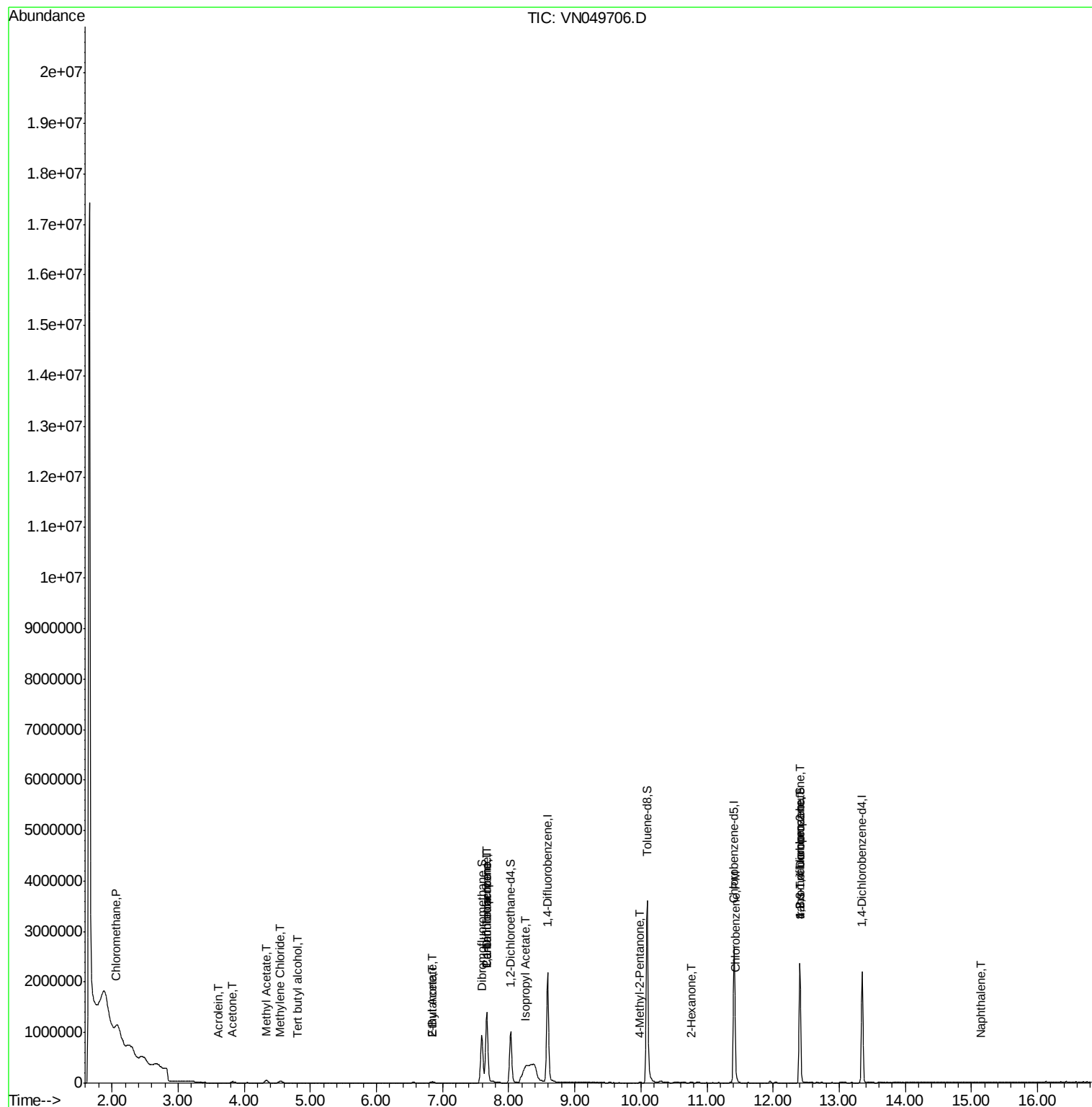
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4531	0.26	ug/l	95
11) Tert butyl alcohol	4.80	59	785	0.84	ug/l #	72
13) Acrolein	3.60	56	936	1.07	ug/l #	47
16) Acetone	3.82	43	43677	5.50	ug/l	99
17) Carbon Disulfide	4.04	76	5191	Below Cal	#	88
18) Methyl Acetate	4.33	43	97115	1.42	ug/l	97
20) Methylene Chloride	4.55	84	26607	1.58	ug/l	98
25) 2-Butanone	6.85	43	22897	4.22	ug/l	90
36) 1,1-Dichloropropene	7.67	75	85611	3.69	ug/l #	49
37) Ethyl Acetate	6.85	43	22897	1.69	ug/l #	71
38) Carbon Tetrachloride	7.67	117	109315	4.85	ug/l #	17
43) Isopropyl Acetate	8.26	43	421654	15.31	ug/l #	64
51) 4-Methyl-2-Pentanone	9.99	43	4072	0.31	ug/l #	87
59) 2-Hexanone	10.75	43	7166	0.82	ug/l	99
65) Chlorobenzene	11.44	112	9950	0.22	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.43	83	34	Below Cal	#	55
76) 1,2,3-Trichloropropane	12.40	75	396576	38.83	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	396576	131.88	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	102	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.37	146	308	Below Cal	#	25
91) 1,2-Dichlorobenzene	13.37	146	308	Below Cal	#	25
92) 1,2-Dibromo-3-Chloropropan	14.23	75	99	Below Cal	#	1
95) Naphthalene	15.14	128	878	4.07	ug/l #	69

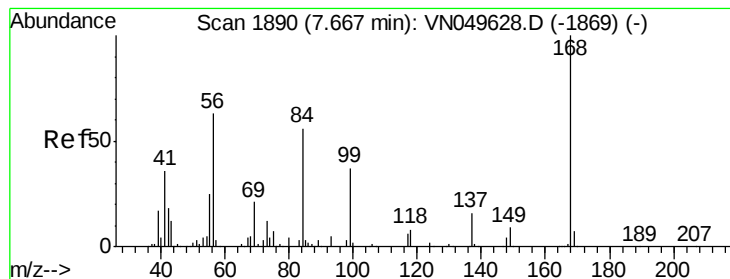
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070318\
Data File : VN049706.D
Acq On : 3 Jul 2018 20:40
Operator : MD\SY
Sample : PB110796ZHE#09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 03 23:10:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 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: VN049706.D

Acq: 3 Jul 2018 20:40

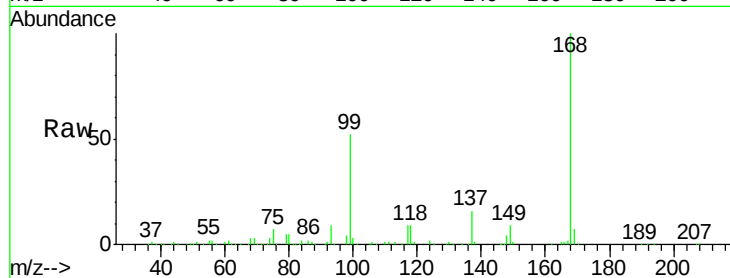
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1236889

Ion Ratio Lower Upper

168 100

99 51.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

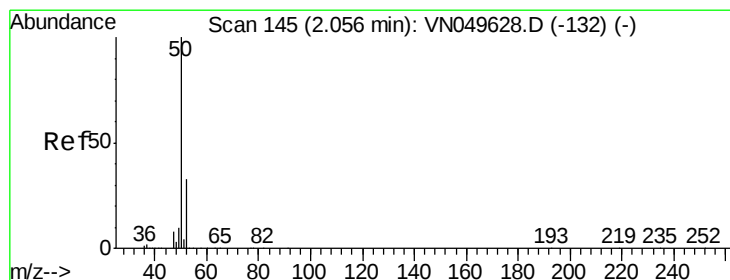
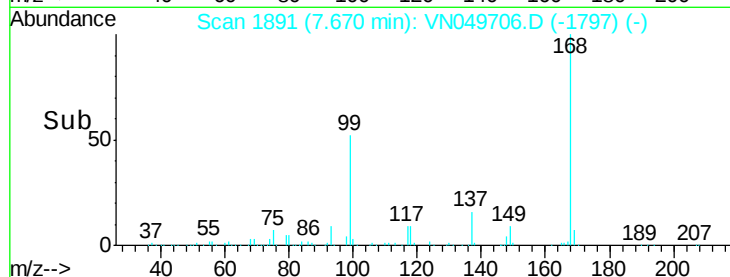
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.26 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049706.D

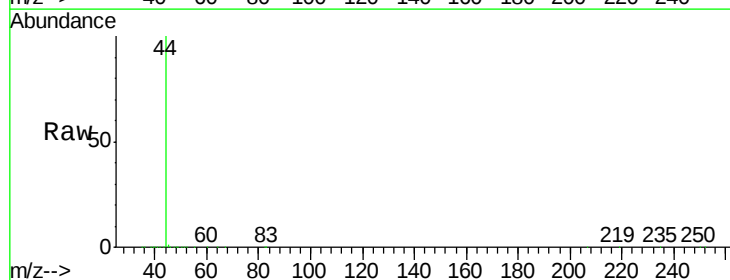
Acq: 3 Jul 2018 20:40

Tgt Ion: 50 Resp: 4531

Ion Ratio Lower Upper

50 100

52 35.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.06

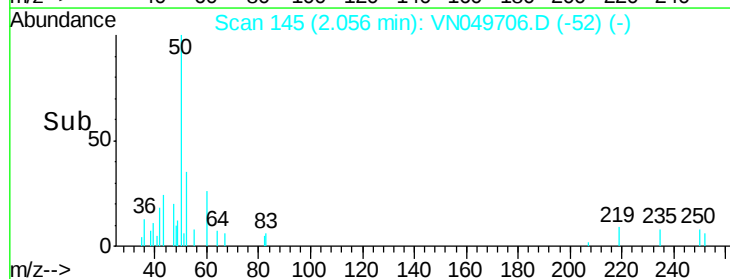
3000

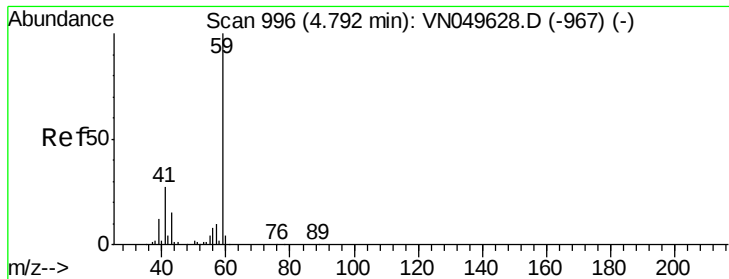
2000

1000

0

Time-->



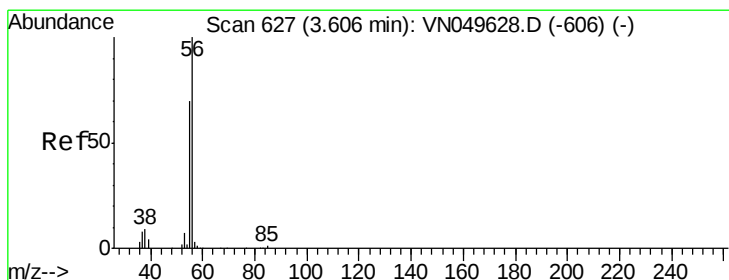
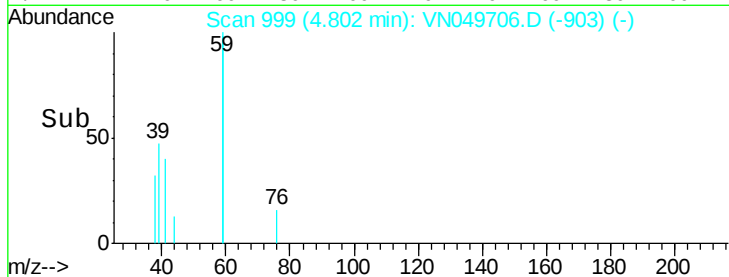
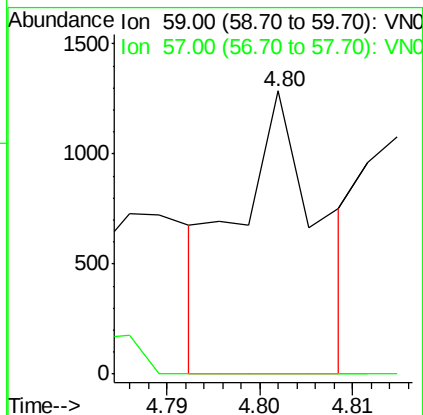
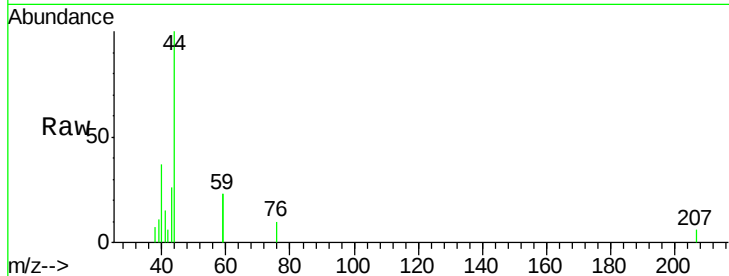


#11

Tert butyl alcohol
 Concen: 0.84 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049706.D
 Acq: 3 Jul 2018 20:40

Instrument :
 MSVOA_N
 ClientSampled :

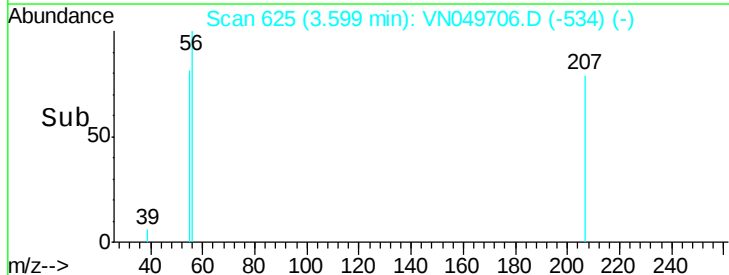
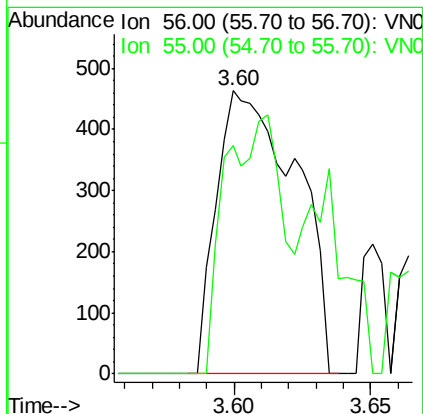
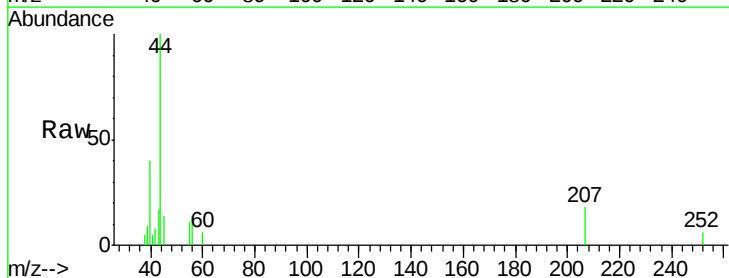
Tot Ion: 59 Resp: 785
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

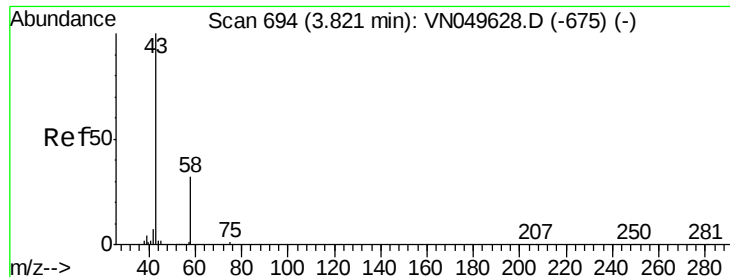


#13

Acrolein
 Concen: 1.07 ug/l
 RT: 3.60 min Scan# 625
 Delta R.T. -0.01 min
 Lab File: VN049706.D
 Acq: 3 Jul 2018 20:40

Tgt Ion: 56 Resp: 936
 Ion Ratio Lower Upper
 56 100
 55 26.4 55.8 83.8#





#16

Acetone

Concen: 5.50 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049706.D

Acq: 3 Jul 2018 20:40

Instrument :

MSVOA_N

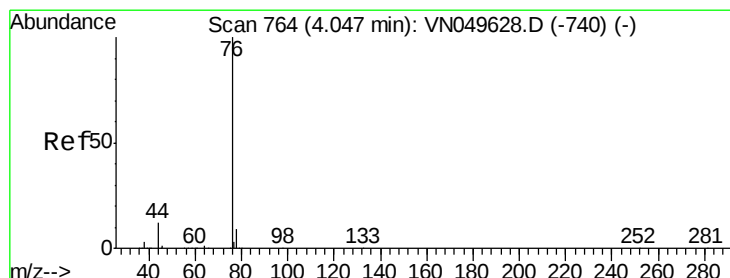
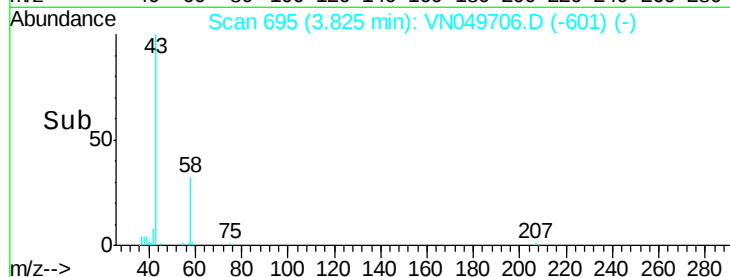
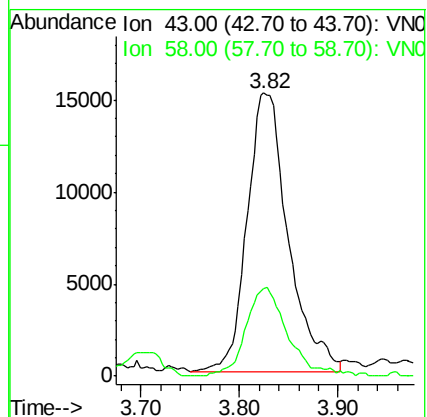
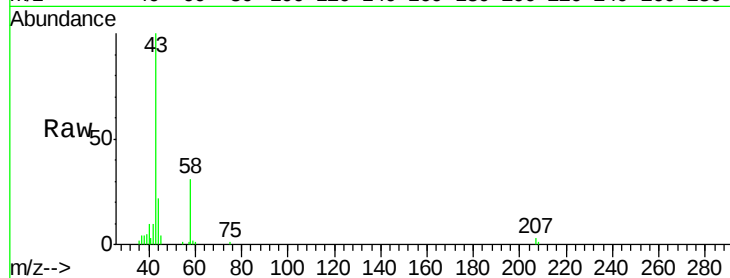
ClientSampled :

Tot Ion: 43 Resp: 43677

Ion Ratio Lower Upper

43 100

58 31.6 25.9 38.9



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 762

Delta R.T. -0.01 min

Lab File: VN049706.D

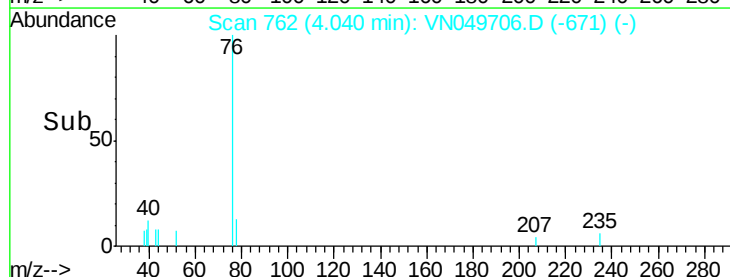
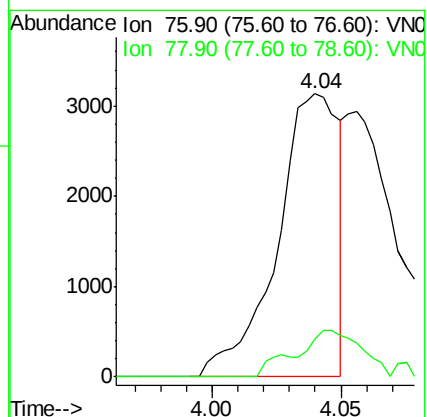
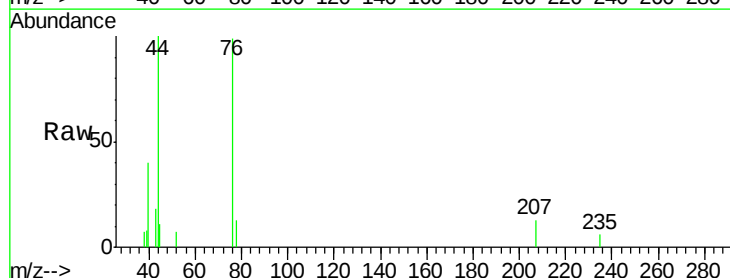
Acq: 3 Jul 2018 20:40

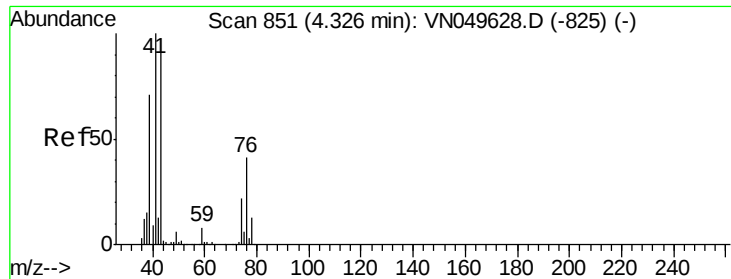
Tgt Ion: 76 Resp: 5191

Ion Ratio Lower Upper

76 100

78 13.1 7.1 10.7#

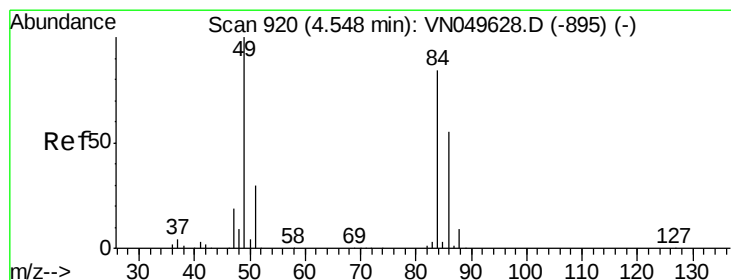
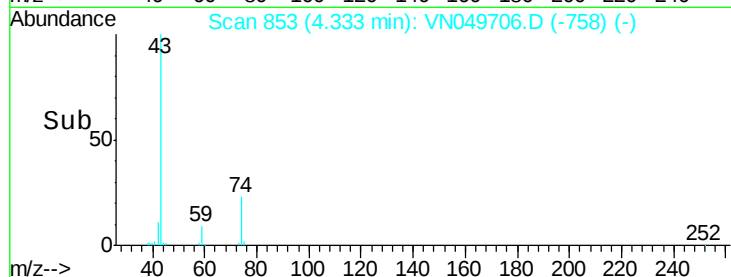
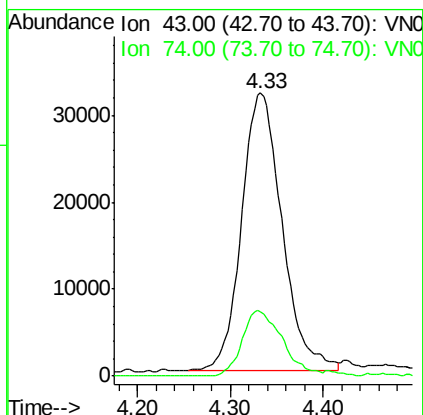
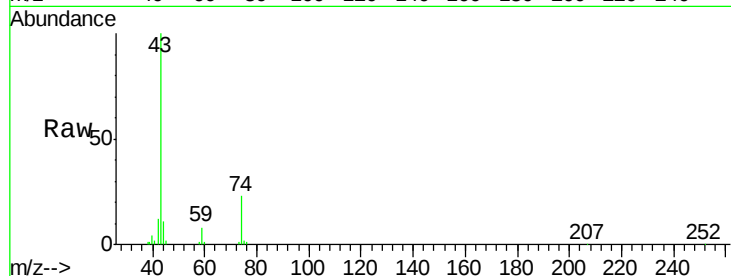




#18
Methvl Acetate
Concen: 1.42 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

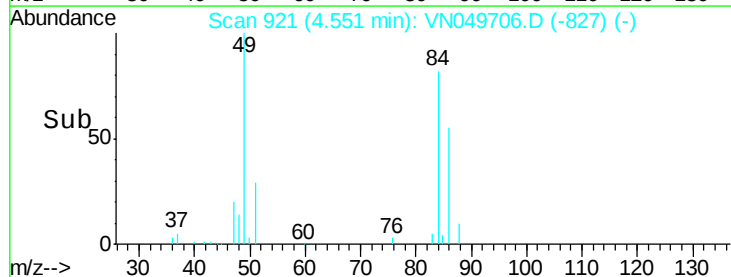
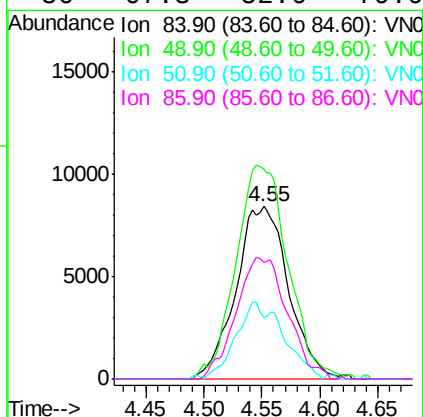
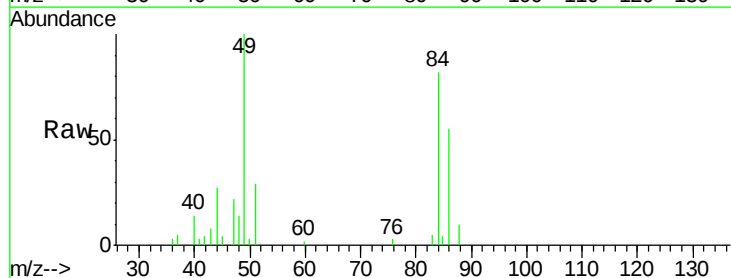
Instrument :
MSVOA_N
ClientSampleId :

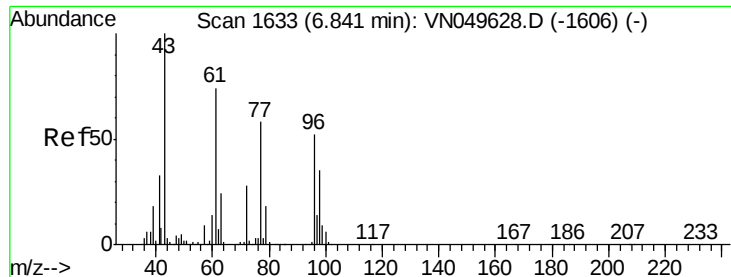
Tot Ion: 43 Resp: 97115
Ion Ratio Lower Upper
43 100
74 23.3 19.8 29.8



#20
Methylene Chloride
Concen: 1.58 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Tgt Ion: 84 Resp: 26607
Ion Ratio Lower Upper
84 100
49 121.5 95.4 143.2
51 35.6 28.4 42.6
86 67.3 52.6 79.0

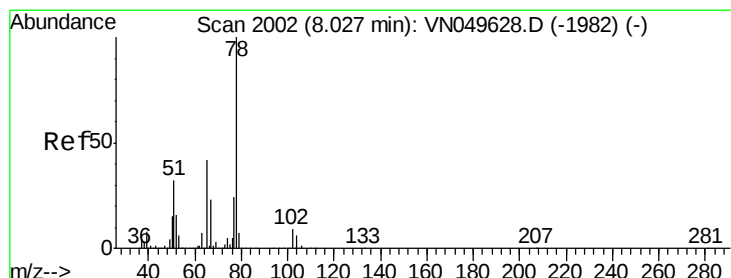
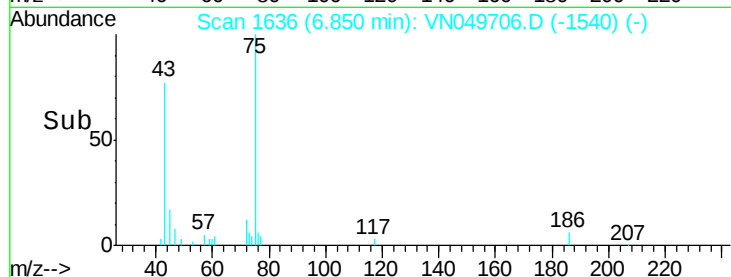
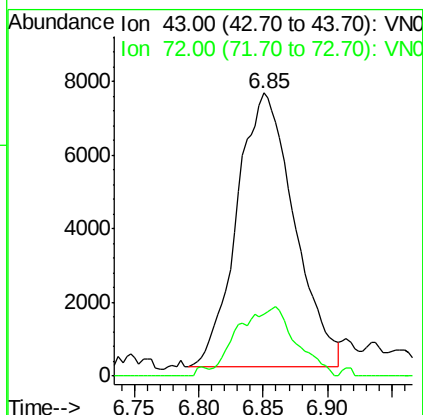
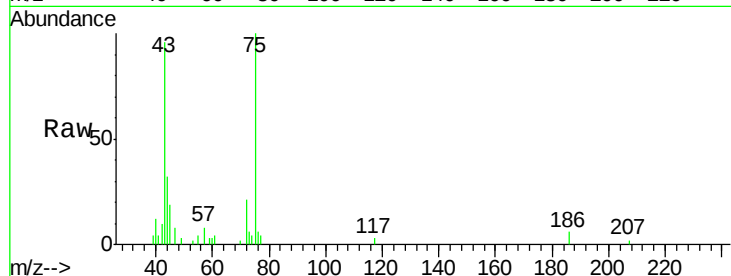




#25
2-Butanone
Concen: 4.22 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

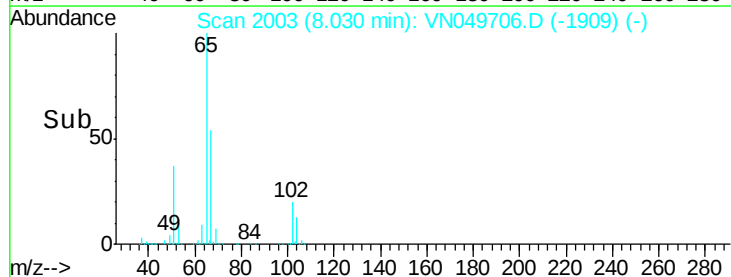
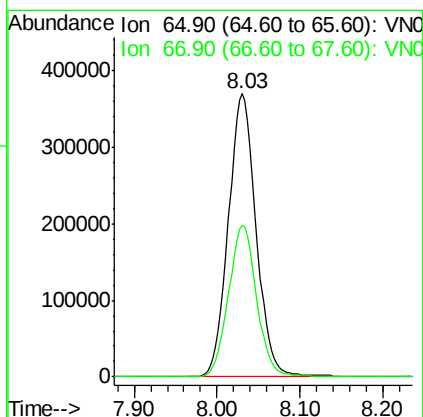
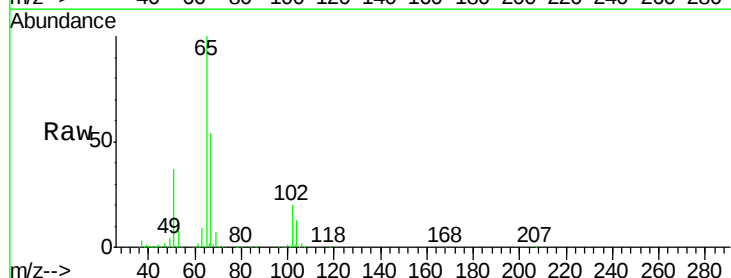
Instrument :
MSVOA_N
ClientSampleId :

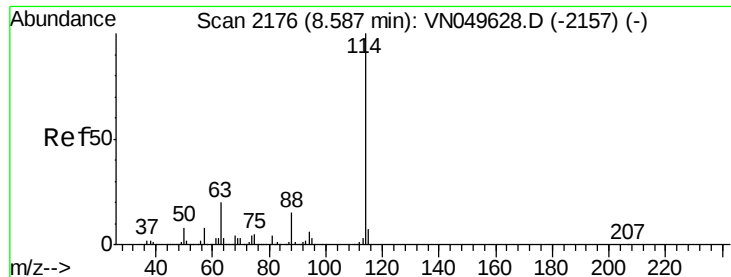
Tot Ion: 43 Resp: 22897
Ion Ratio Lower Upper
43 100
72 22.5 22.1 33.1



#33
1,2-Dichloroethane-d4
Concen: 52.85 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Tgt Ion: 65 Resp: 863335
Ion Ratio Lower Upper
65 100
67 53.9 0.0 107.2

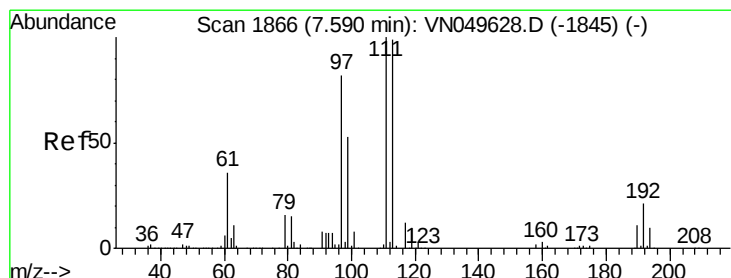
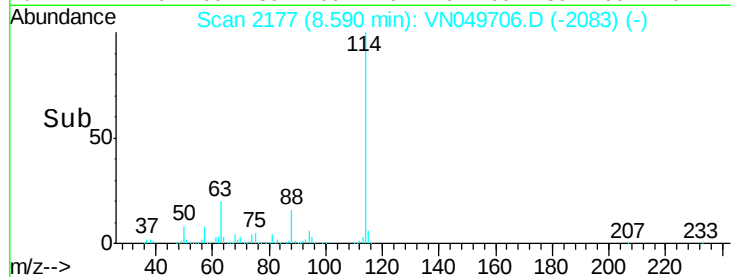
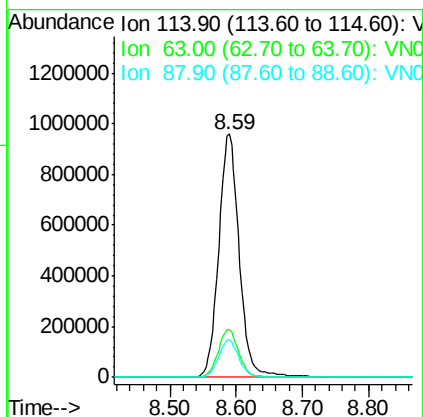
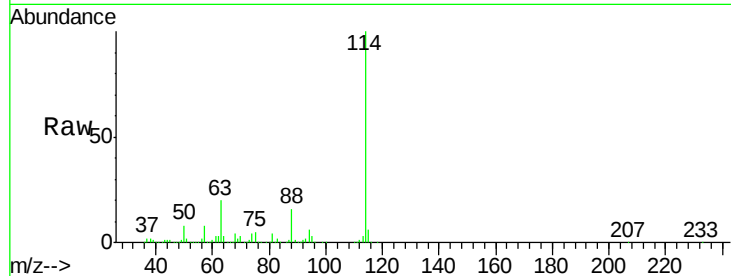




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049706.D
 Acq: 3 Jul 2018 20:40

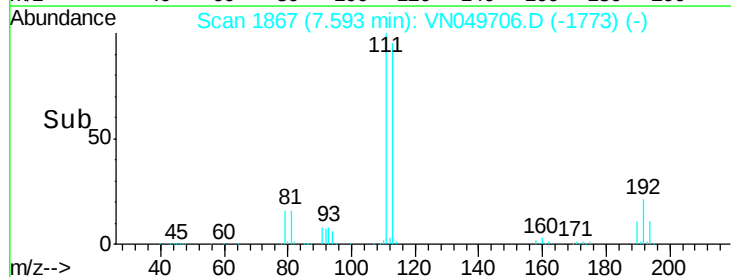
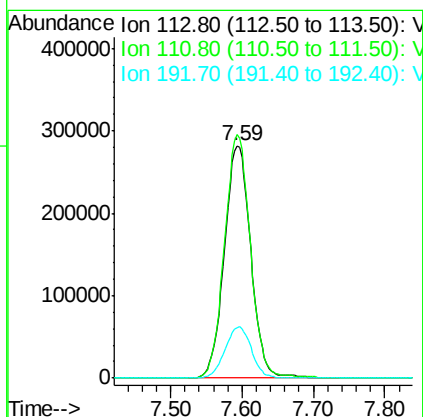
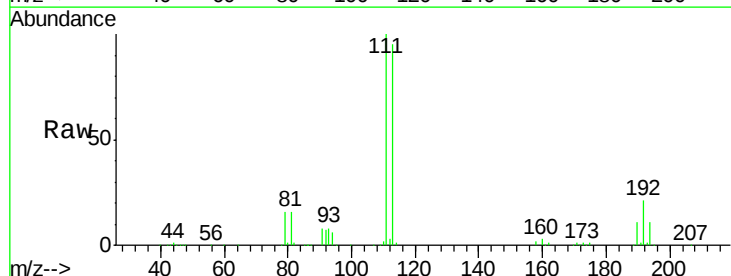
Instrument :
 MSVOA_N
 ClientSampleId :

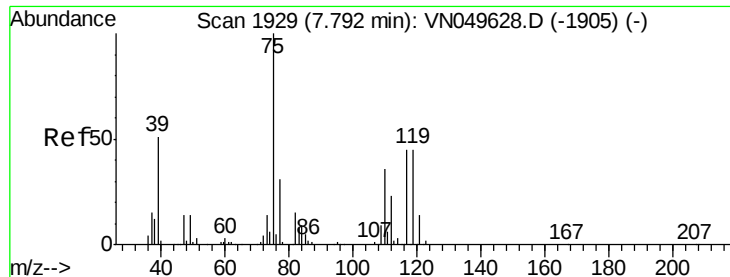
Tot Ion:114 Resp: 2060049
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.6 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 47.25 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049706.D
 Acq: 3 Jul 2018 20:40

Tgt Ion:113 Resp: 727712
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 22.0 17.8 26.6





#36

1,1-Dichloropropene

Concen: 3.69 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049706.D

Acq: 3 Jul 2018 20:40

Instrument :
MSVOA_N
ClientSampled :

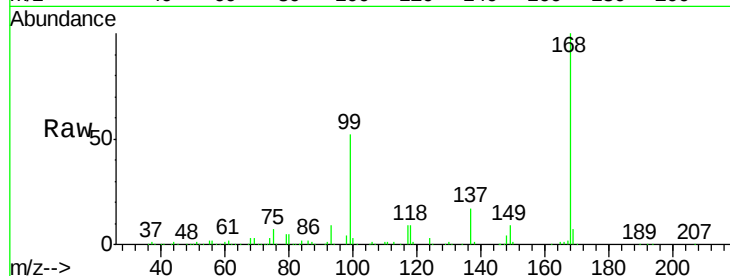
Tot Ion: 75 Resp: 85611

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

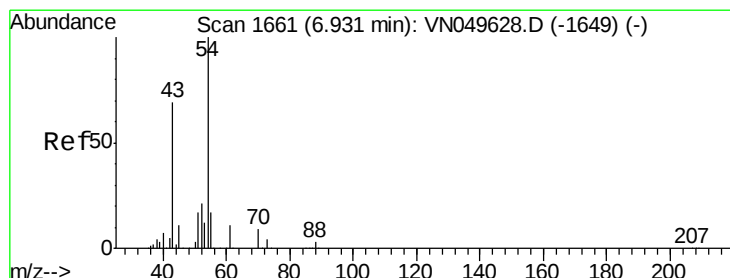
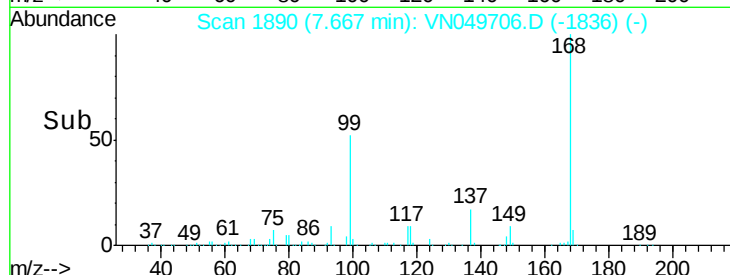
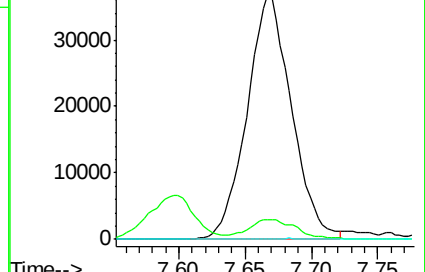
77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN049706.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049706.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049706.D (-1836) (-)



#37

Ethyl Acetate

Concen: 1.69 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. -0.08 min

Lab File: VN049706.D

Acq: 3 Jul 2018 20:40

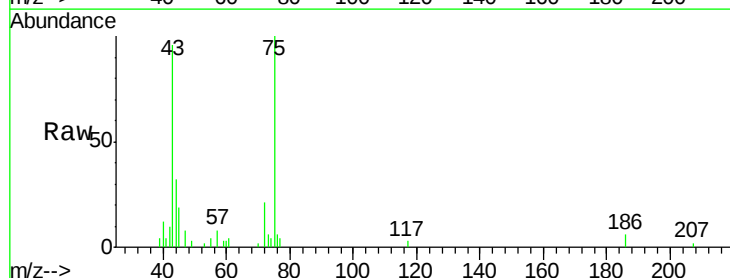
Tgt Ion: 43 Resp: 22897

Ion Ratio Lower Upper

43 100

61 2.4 11.7 17.5#

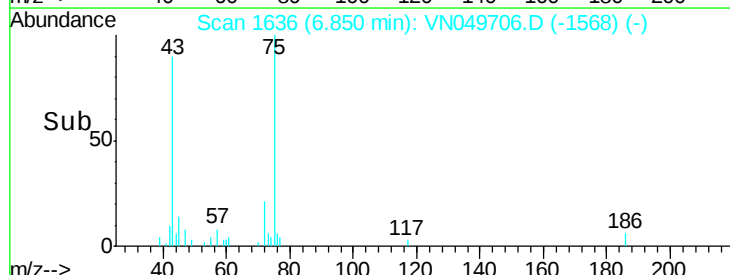
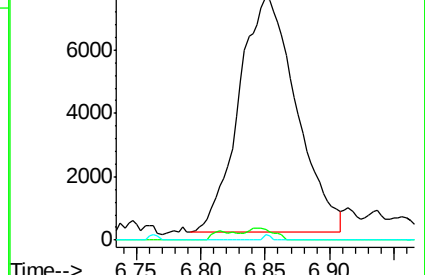
70 0.3 8.4 12.6#

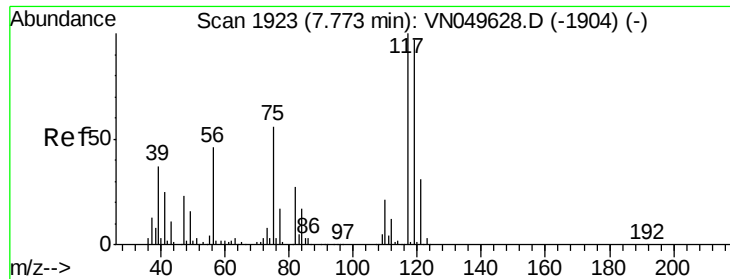


Abundance Ion 43.00 (42.70 to 43.70): VN049706.D (-1568) (-)

Ion 60.90 (60.60 to 61.60): VN049706.D (-1568) (-)

Ion 70.00 (69.70 to 70.70): VN049706.D (-1568) (-)

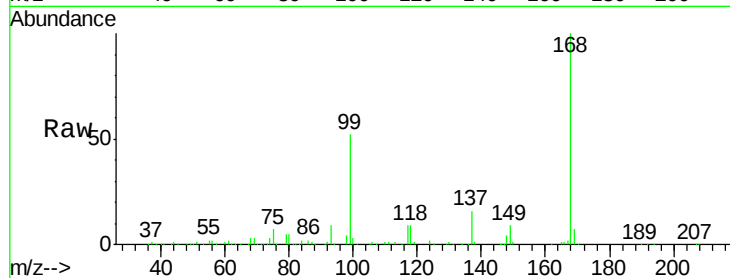




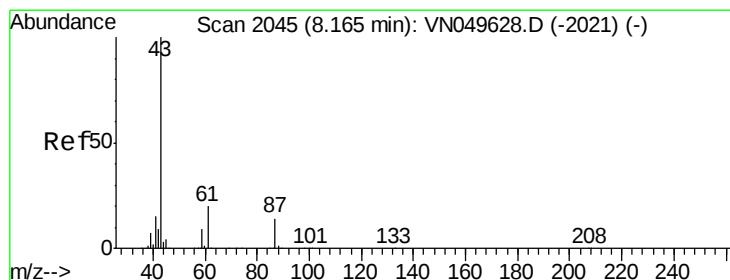
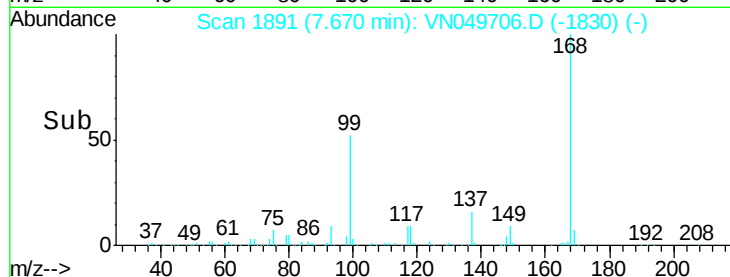
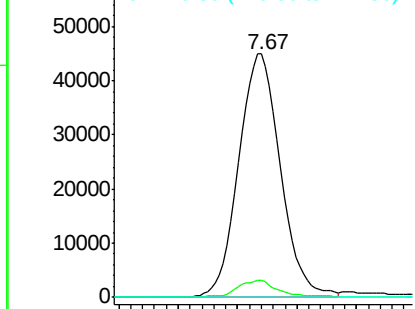
#38
Carbon Tetrachloride
Concen: 4.85 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 109315
Ion Ratio Lower Upper
117 100
119 7.1 77.2 115.8#
121 0.0 25.0 37.6#

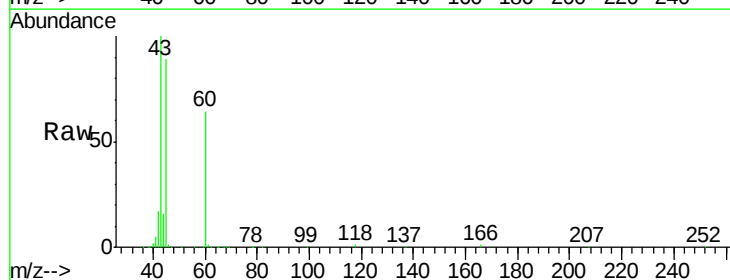


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

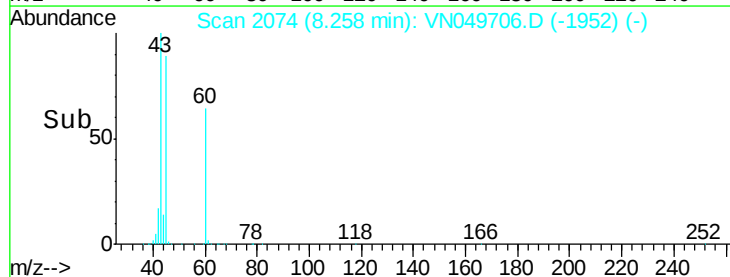
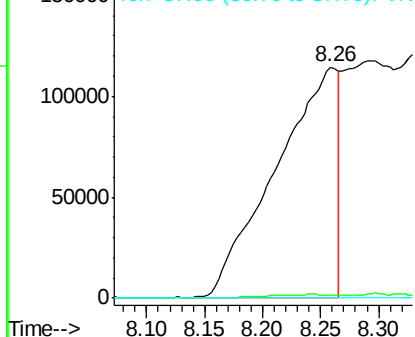


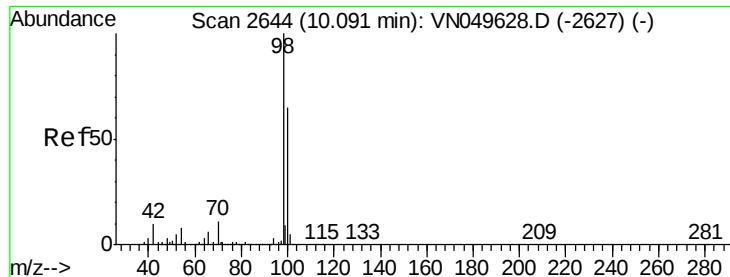
#43
Isopropyl Acetate
Concen: 15.31 ug/l
RT: 8.26 min Scan# 2074
Delta R.T. 0.09 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Tgt Ion: 43 Resp: 421654
Ion Ratio Lower Upper
43 100
61 0.9 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

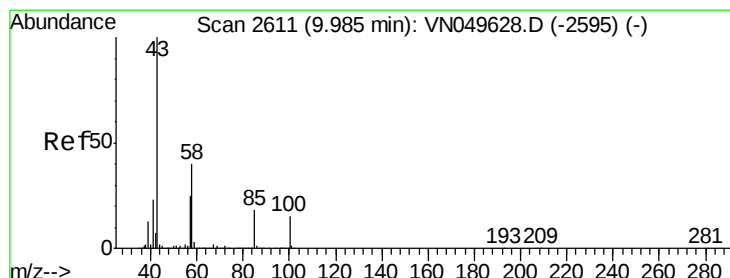
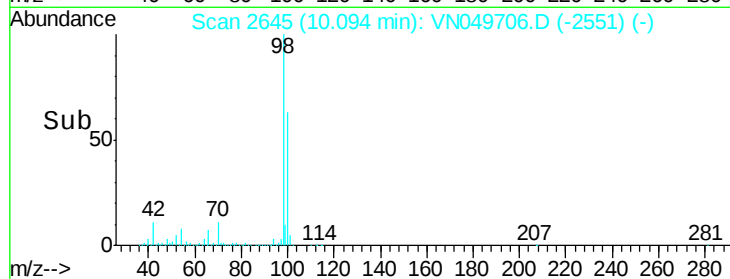
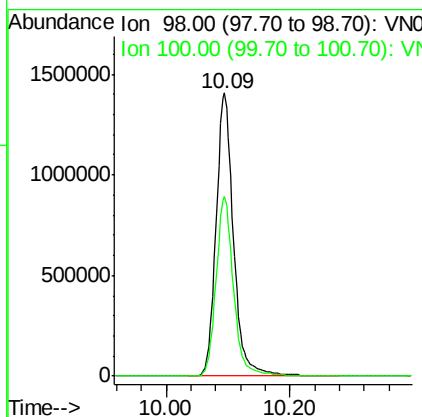
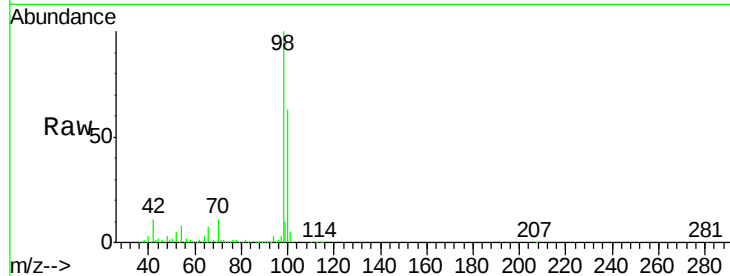




#50
Toluene-d8
Concen: 45.67 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

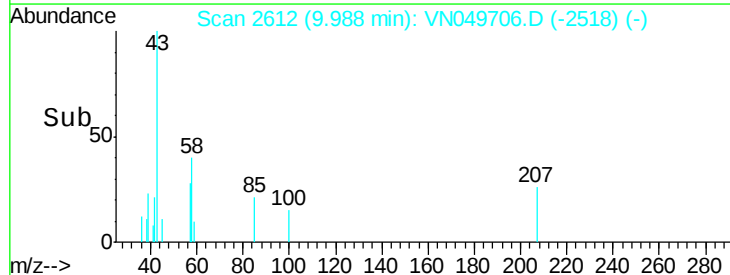
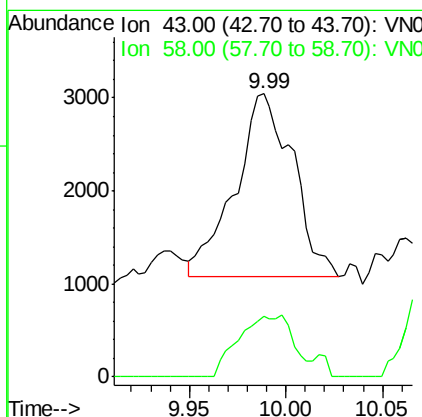
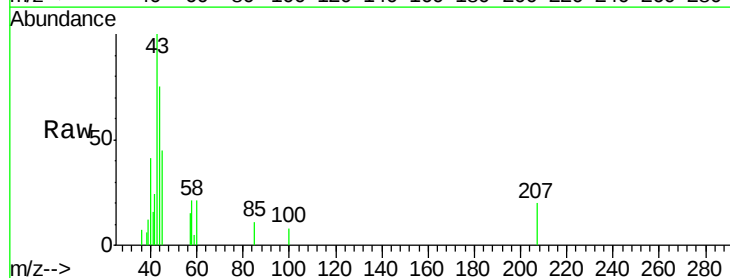
Instrument :
MSVOA_N
ClientSampled :

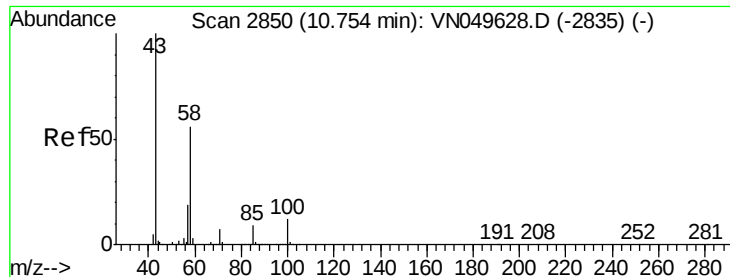
Tot Ion: 98 Resp: 2752955
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Tgt Ion: 43 Resp: 4072
Ion Ratio Lower Upper
43 100
58 31.7 31.8 47.8#

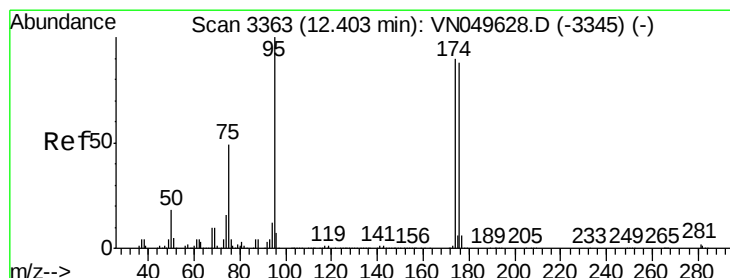
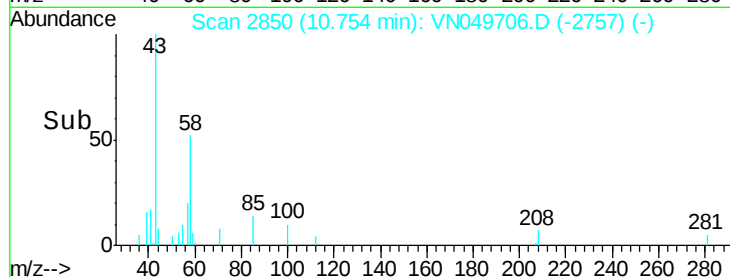
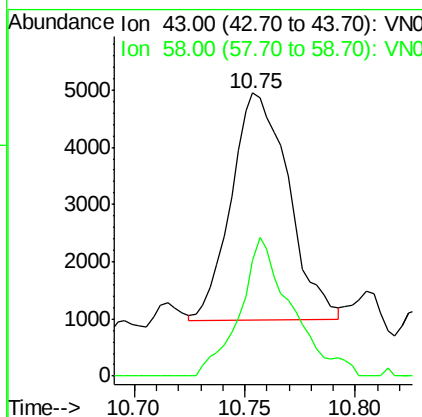
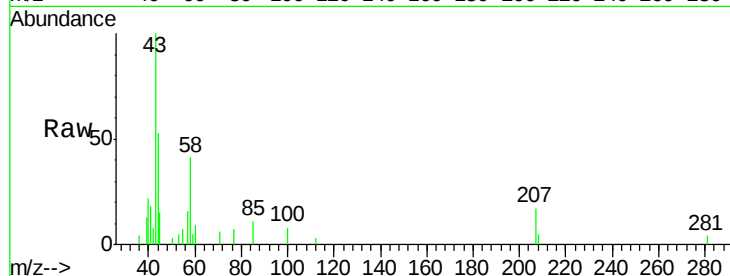




#59
2-Hexanone
Concen: 0.82 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

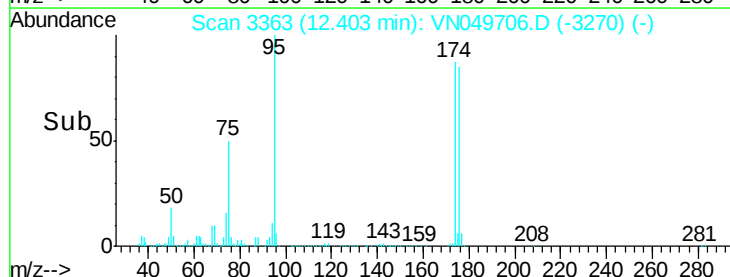
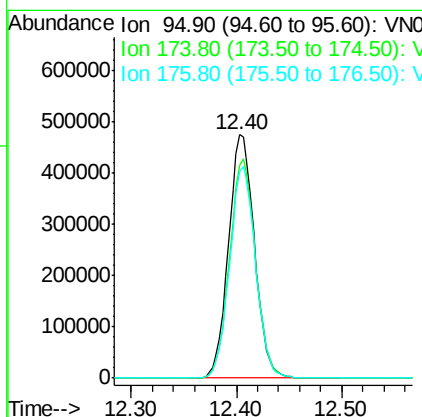
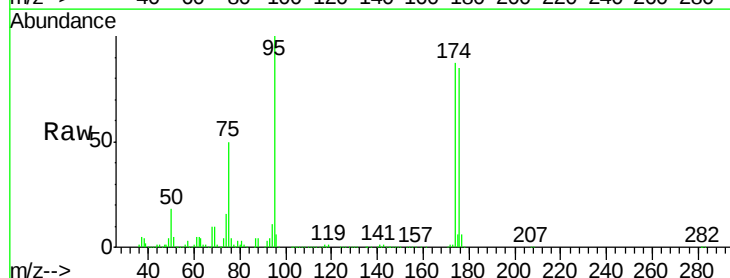
Instrument :
MSVOA_N
ClientSampled :

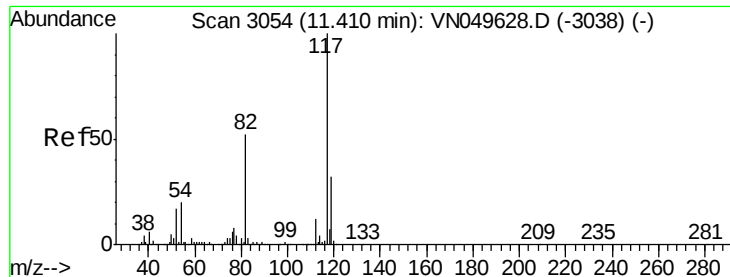
Tot Ion: 43 Resp: 7166
Ion Ratio Lower Upper
43 100
58 55.1 27.8 83.4



#62
4-Bromofluorobenzene
Concen: 39.19 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Tgt Ion: 95 Resp: 806636
Ion Ratio Lower Upper
95 100
174 89.9 0.0 179.6
176 86.7 0.0 174.0

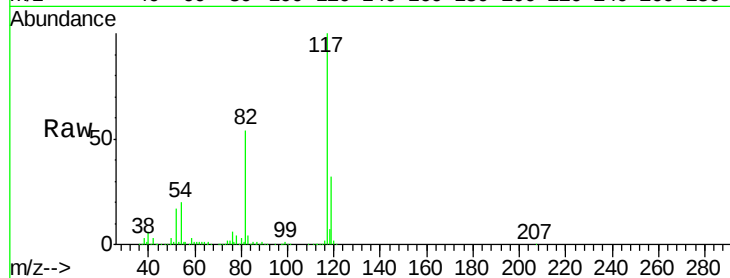




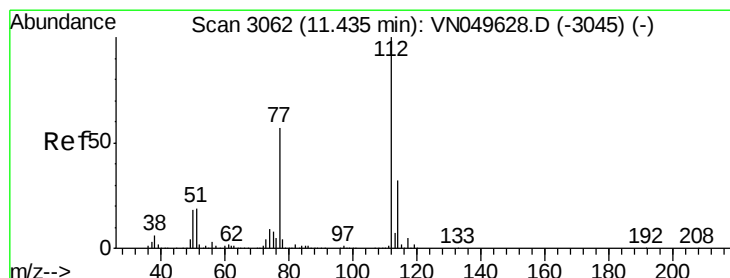
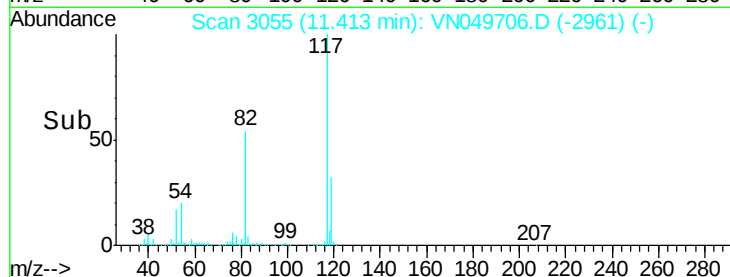
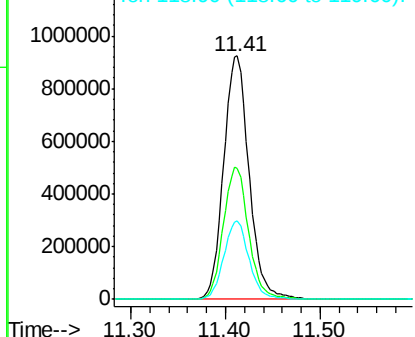
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1725614
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 32.1 25.4 38.2

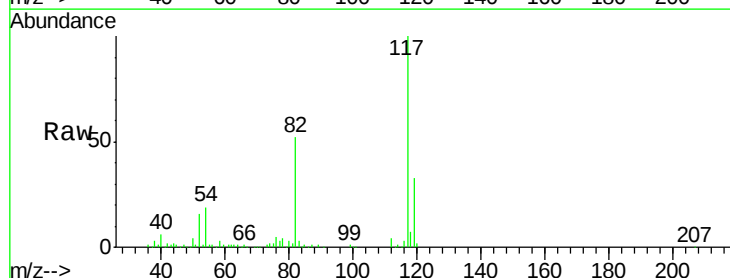


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

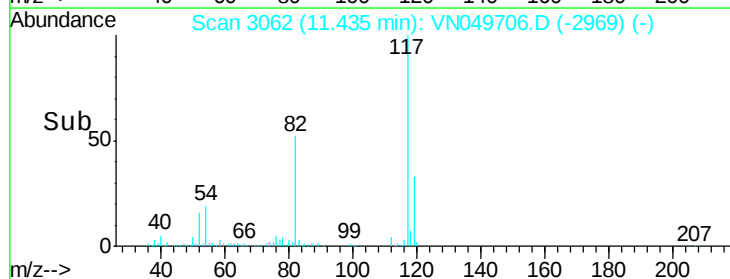
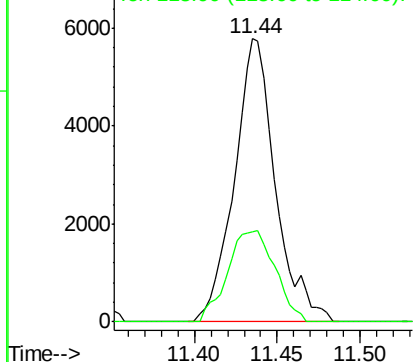


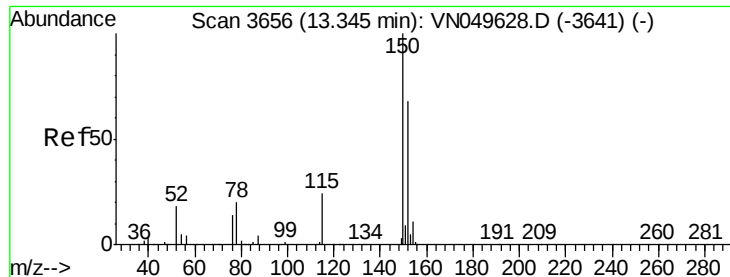
#65
Chlorobenzene
Concen: 0.22 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Tgt Ion:112 Resp: 9950
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VN049706.D

Acq: 3 Jul 2018 20:40

Instrument :

MSVOA_N

ClientSampleId :

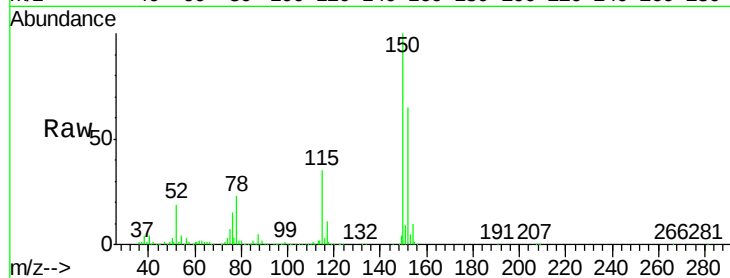
Tot Ion:152 Resp: 636822

Ion Ratio Lower Upper

152 100

115 55.2 28.1 84.2

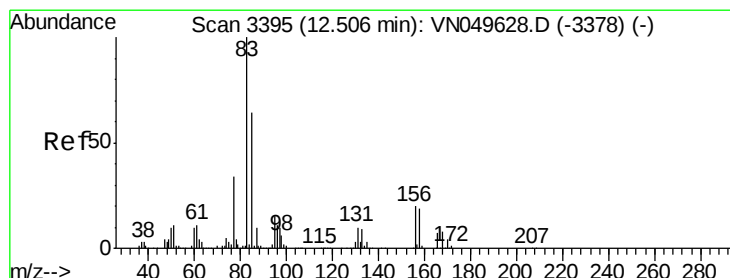
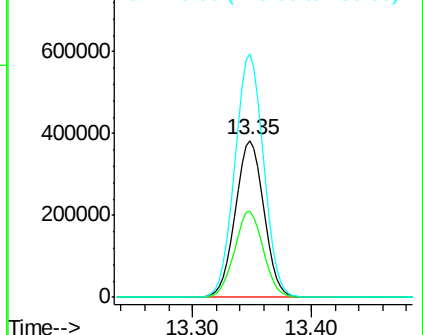
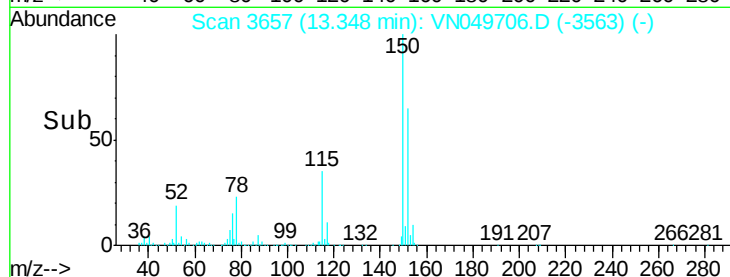
150 156.3 0.0 347.6



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: 12.43 min Scan# 3372

Delta R.T. -0.07 min

Lab File: VN049706.D

Acq: 3 Jul 2018 20:40

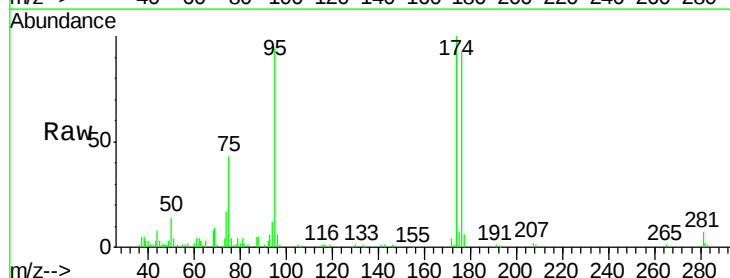
Tgt Ion: 83 Resp: 34

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

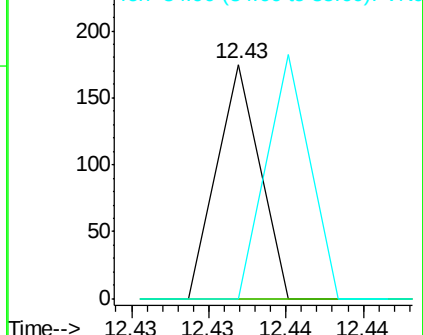
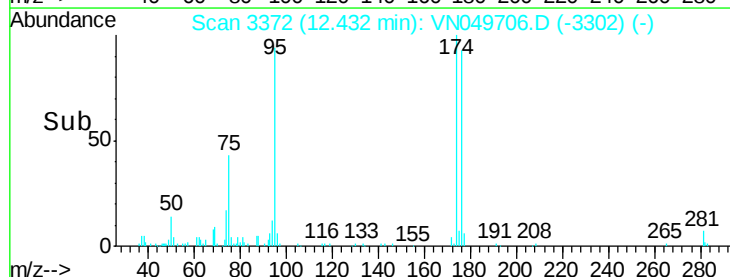
85 102.9 32.5 97.4#

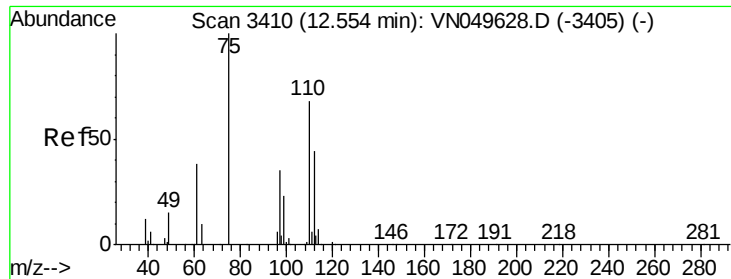


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

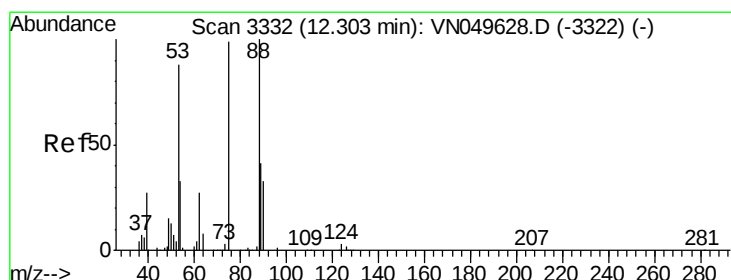
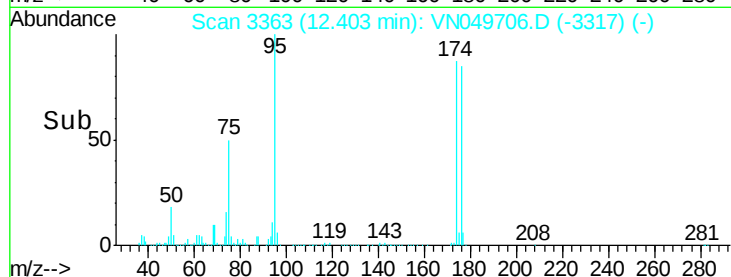
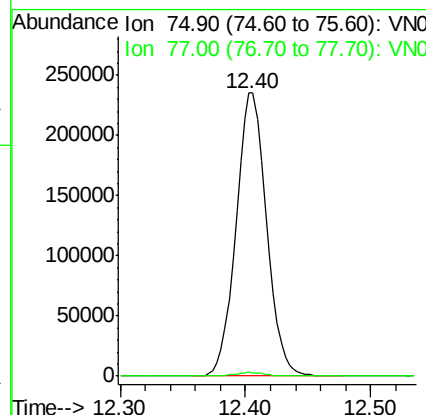
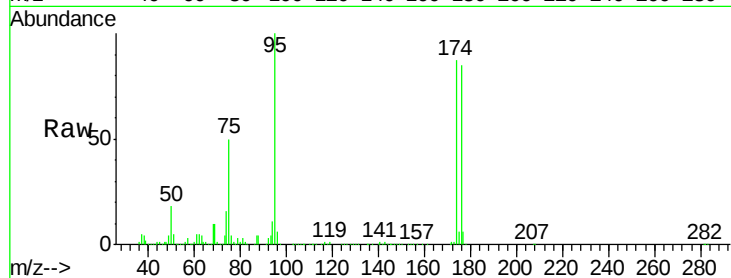




#76
 1,2,3-Trichloropropane
 Concen: 38.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049706.D
 Acq: 3 Jul 2018 20:40

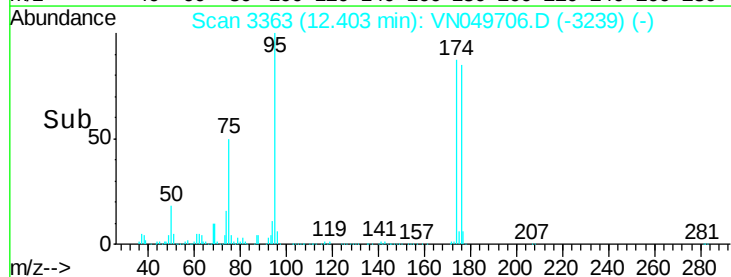
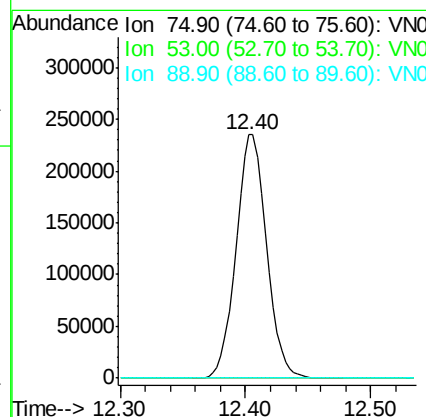
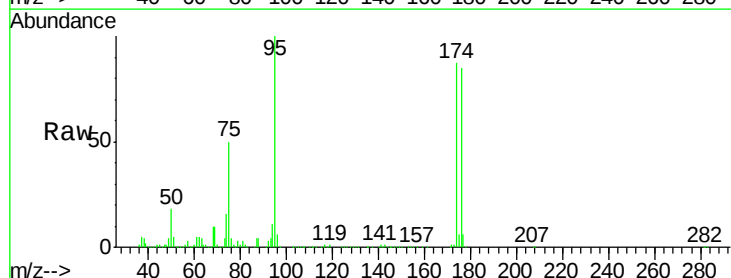
Instrument :
 MSVOA_N
 ClientSampled :

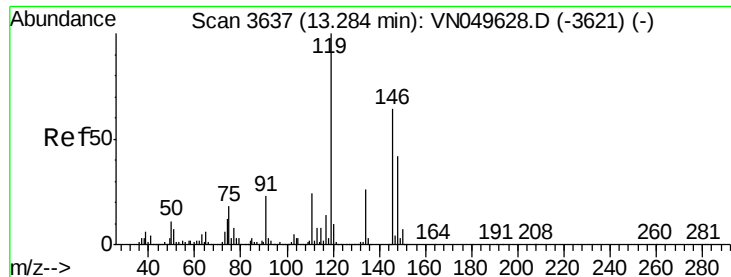
Tot Ion: 75 Resp: 396576
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.88 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049706.D
 Acq: 3 Jul 2018 20:40

Tgt Ion: 75 Resp: 396576
 Ion Ratio Lower Upper
 75 100
 53 0.2 73.9 110.9#
 89 0.0 35.9 53.9#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049706.D

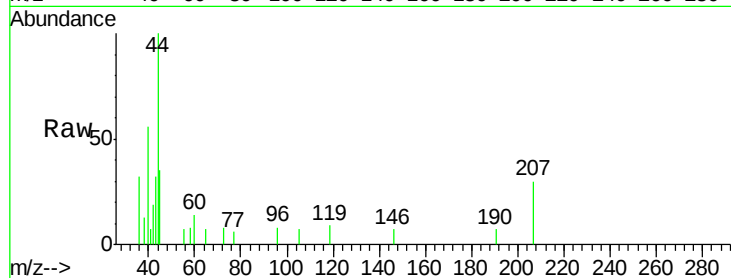
Acq: 3 Jul 2018 20:40

Instrument :

MSVOA_N

ClientSampled :

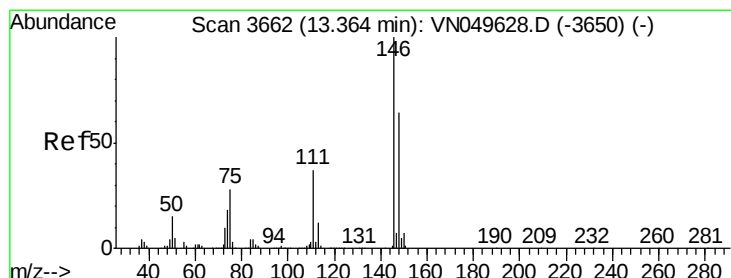
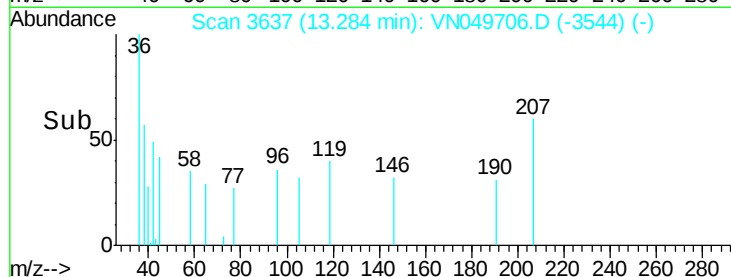
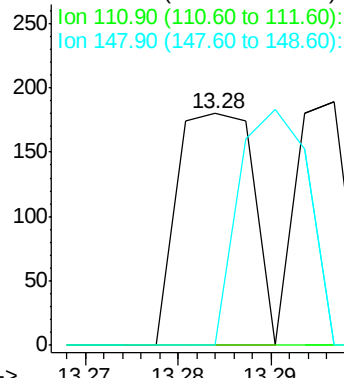
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.0	57.0#
148	0.0	32.5	97.5#



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



#88

1,4-Dichlorobenzene

Concen: Below Cal

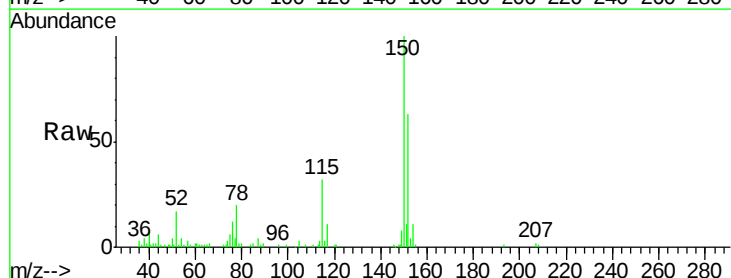
RT: 13.37 min Scan# 3665

Delta R.T. 0.01 min

Lab File: VN049706.D

Acq: 3 Jul 2018 20:40

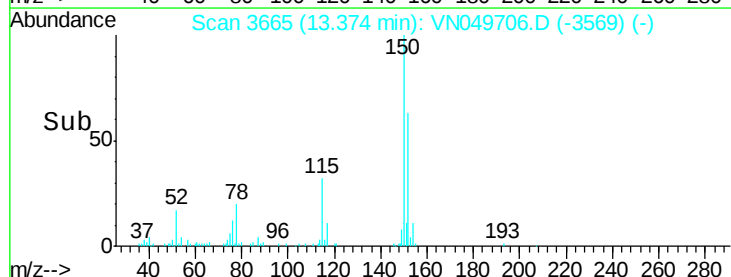
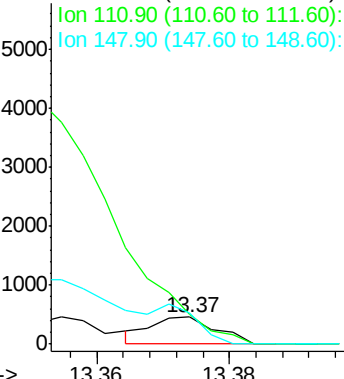
Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.9	56.5#
148	0.0	32.1	96.3#

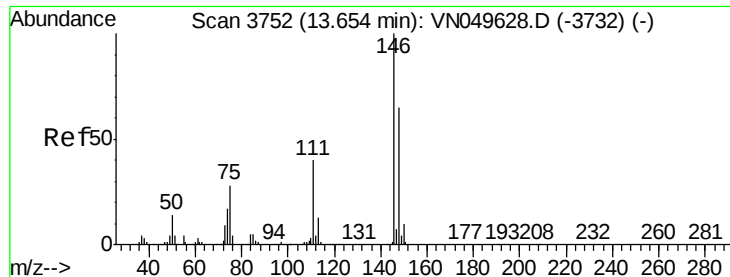


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.37 min Scan# 3665

Delta R.T. -0.28 min

Lab File: VN049706.D

Acq: 3 Jul 2018 20:40

Instrument :

MSVOA_N

ClientSampled :

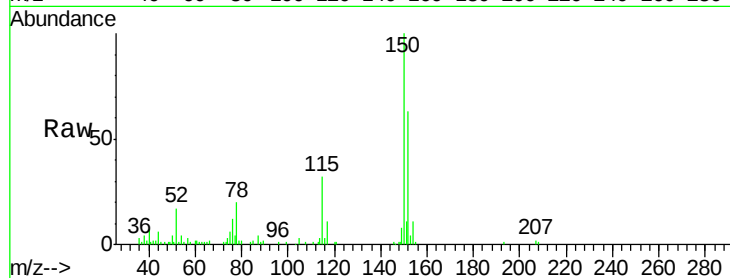
Tot Ion:146 Resp: 308

Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.1#

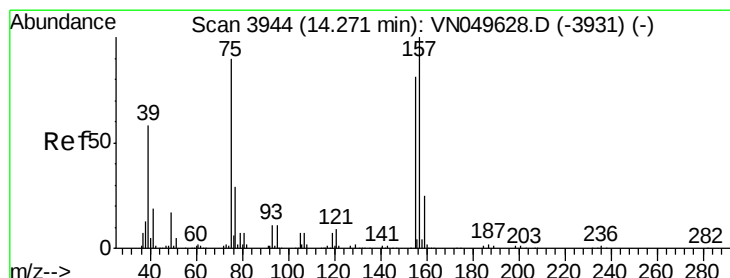
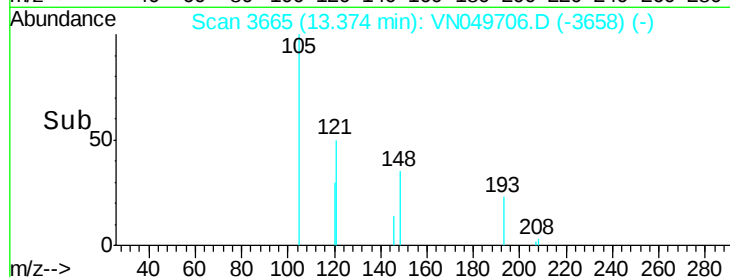
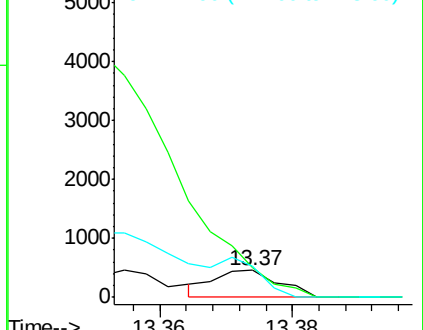
148 0.0 32.0 96.2#



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: 14.23 min Scan# 3932

Delta R.T. -0.04 min

Lab File: VN049706.D

Acq: 3 Jul 2018 20:40

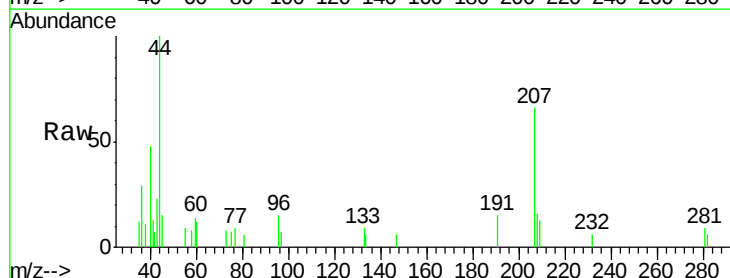
Tgt Ion: 75 Resp: 99

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

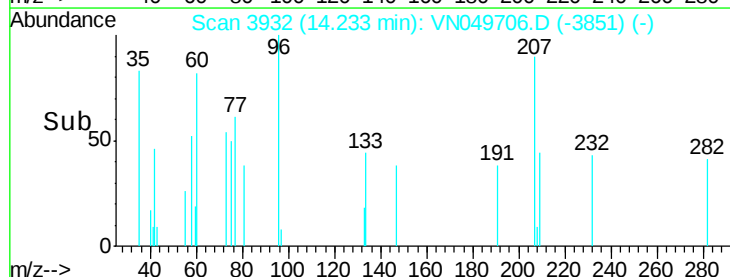
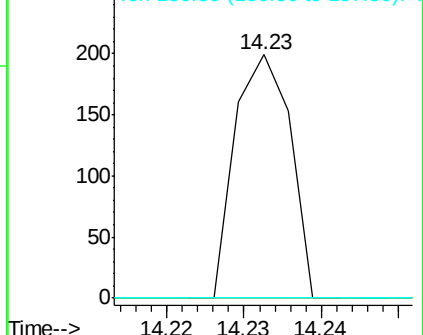
157 0.0 56.9 170.7#

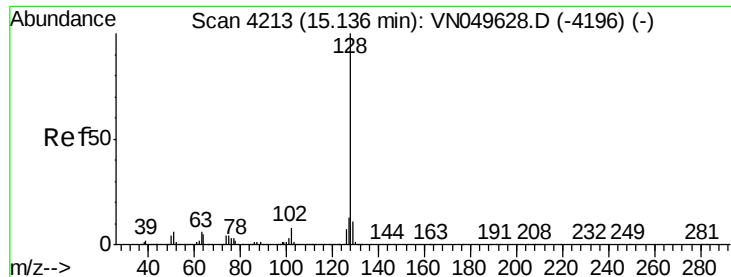


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 4.07 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049706.D
Acq: 3 Jul 2018 20:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

