

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052692.D
 Acq On : 6 Dec 2018 11:30
 Operator : MD\SY
 Sample : PB115376ZHE#01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 06:37:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1170449	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1822472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1588948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	570167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	635612	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
35) Dibromofluoromethane	7.59	113	343572	30.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.16%	
50) Toluene-d8	10.09	98	2225132	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
62) 4-Bromofluorobenzene	12.40	95	681488	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

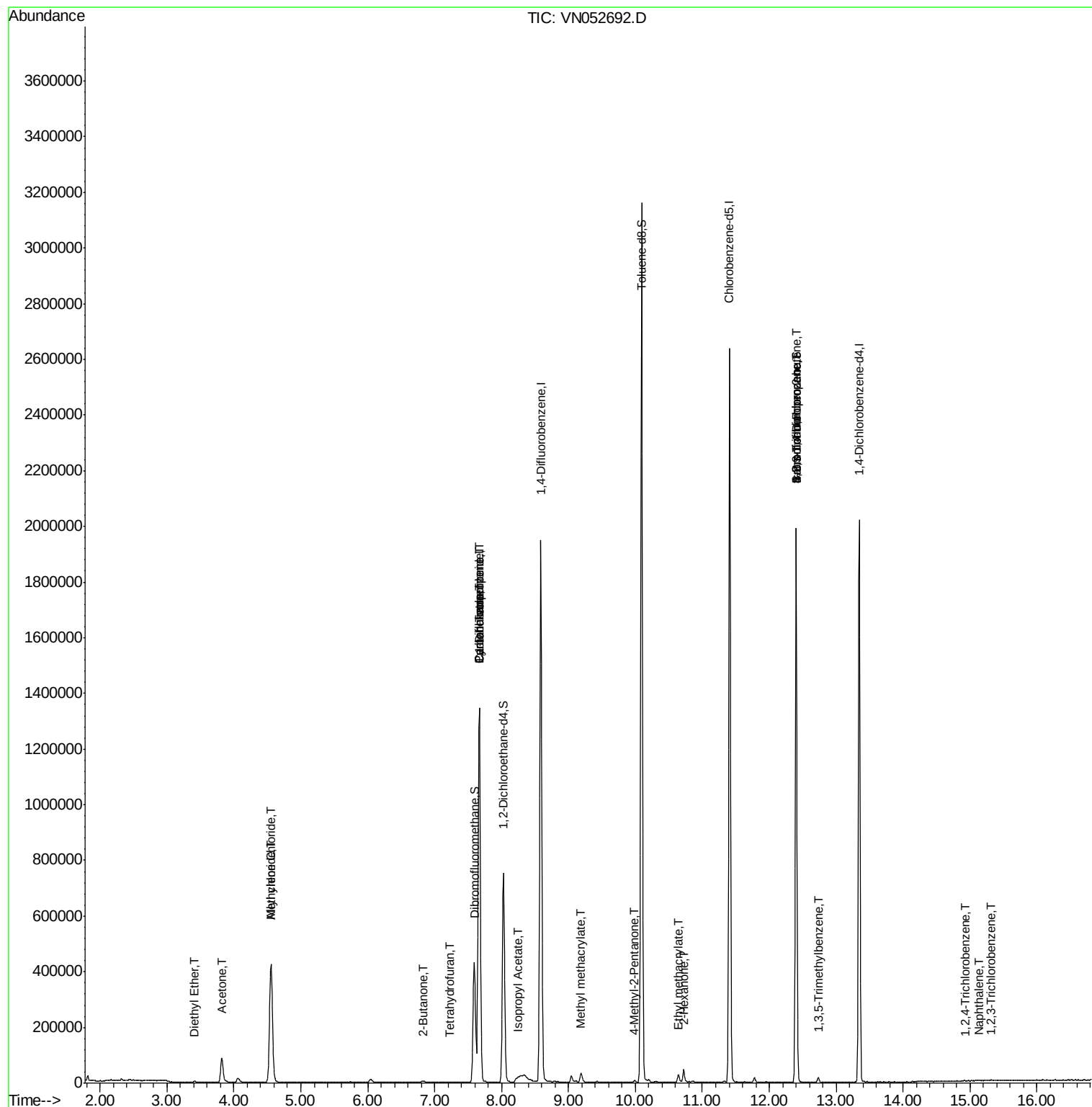
					Qvalue	
8) Diethyl Ether	3.42	74	1813	0.269	ug/l	68
14) Allyl chloride	4.55	41	12347	0.653	ug/l #	26
16) Acetone	3.82	43	155515	46.265	ug/l	98
20) Methylene Chloride	4.55	84	331271	25.184	ug/l	98
25) 2-Butanone	6.83	43	1722	0.361	ug/l	99
29) Tetrahydrofuran	7.22	42	853	0.278	ug/l #	57
31) Cyclohexane	7.67	56	20838	0.589	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	81041	4.709	ug/l #	49
38) Carbon Tetrachloride	7.67	117	104365	6.699	ug/l #	17
43) Isopropyl Acetate	8.25	43	17360	0.977	ug/l #	51
48) Methyl methacrylate	9.18	41	15668	1.691	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	5437	0.545	ug/l	93
56) Ethyl methacrylate	10.65	69	246	2.709	ug/l #	1
59) 2-Hexanone	10.72	43	39475	5.898	ug/l #	24
71) Bromoform	12.40	173	4489	0.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	327098	37.203	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7622	0.214	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	327098	124.240	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	884	2.912	ug/l #	86
95) Naphthalene	15.14	128	2333	3.530	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	1116	2.840	ug/l #	42

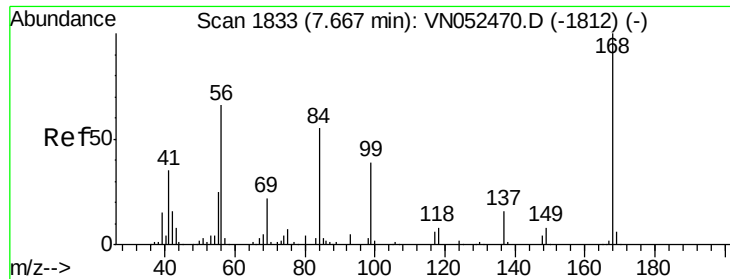
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052692.D

Acq: 6 Dec 2018 11:30

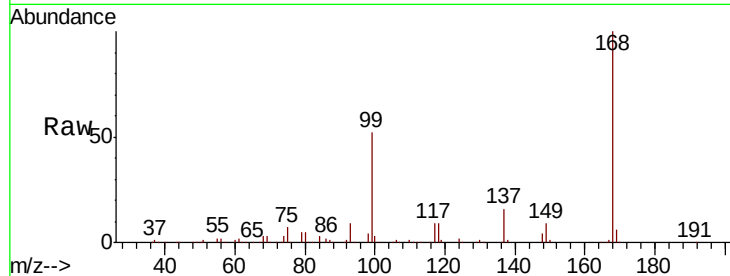
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1170449

Ion Ratio Lower Upper

168 100

99 51.6 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

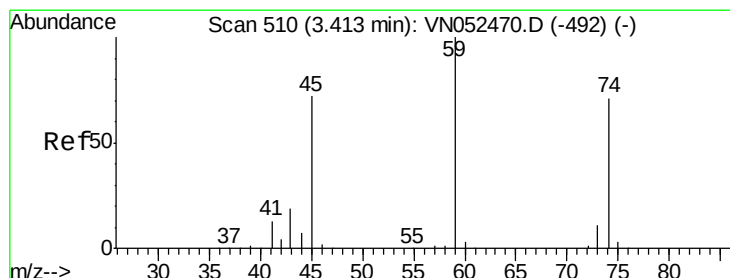
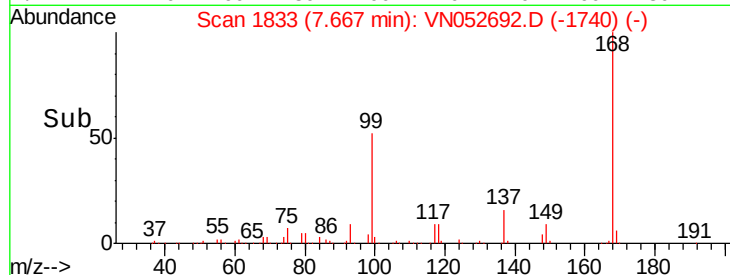
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.269 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052692.D

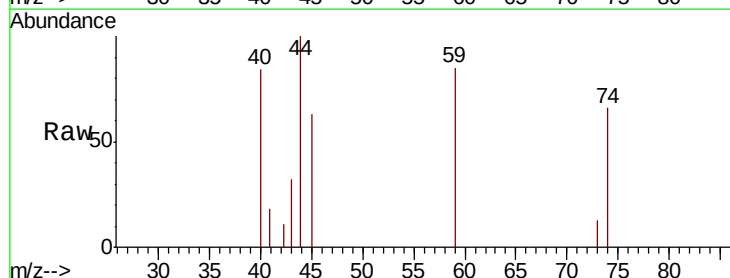
Acq: 6 Dec 2018 11:30

Tgt Ion: 74 Resp: 1813

Ion Ratio Lower Upper

74 100

45 133.4 50.4 151.3



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.42

1200

1000

800

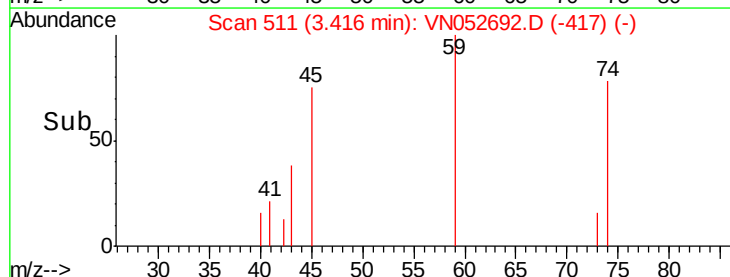
600

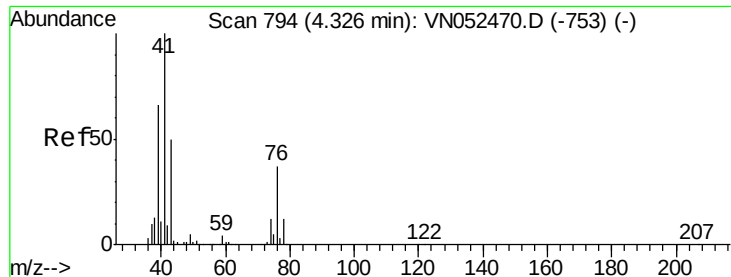
400

200

0

Time-->

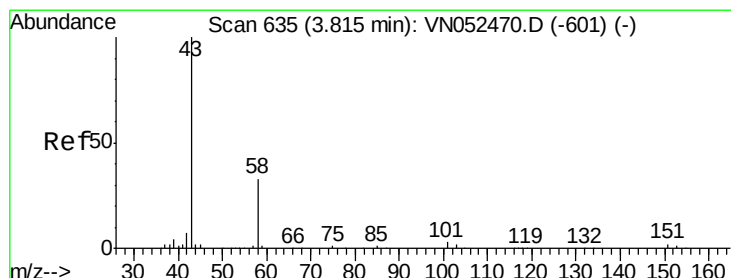
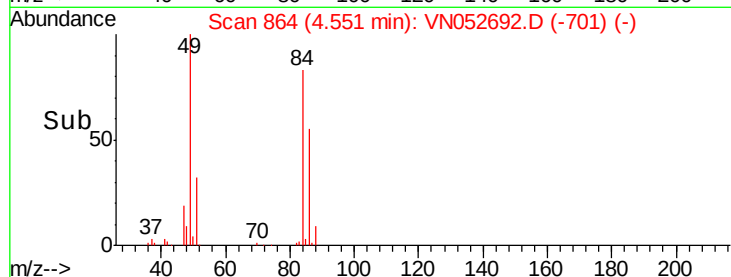
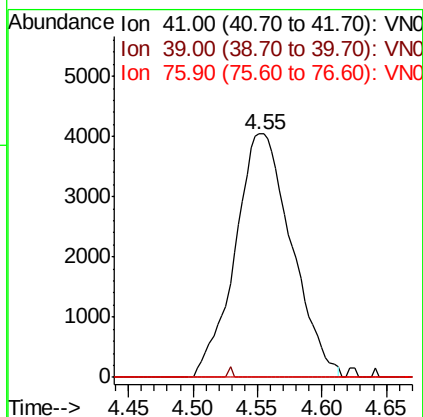
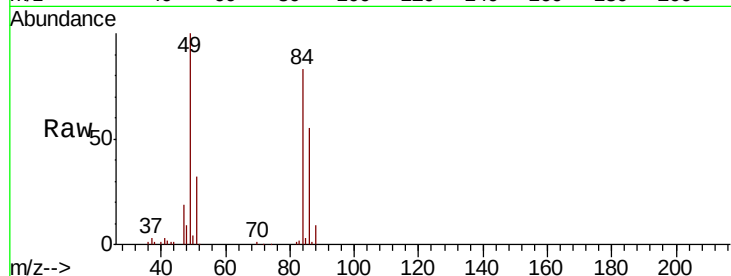




#14
Allvl chloride
Concen: 0.653 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.22 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

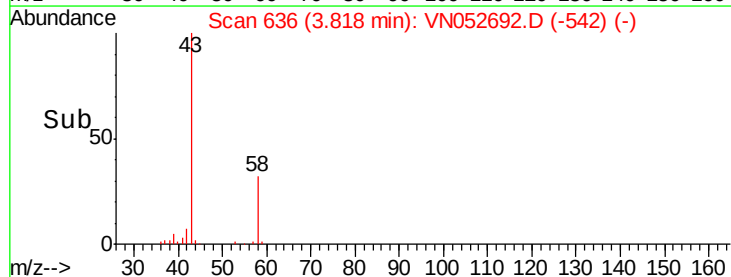
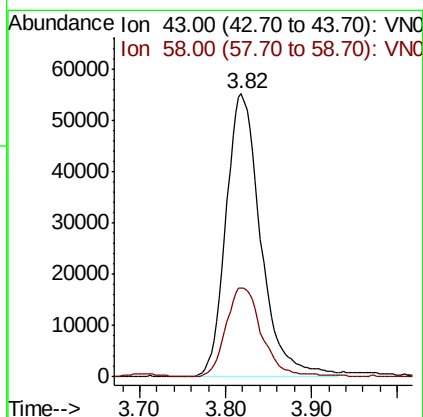
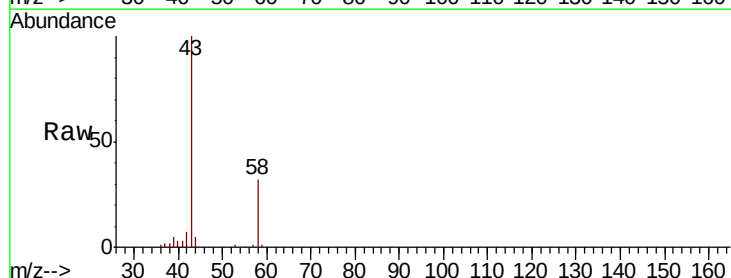
Instrument :
MSVOA_N
ClientSampled :

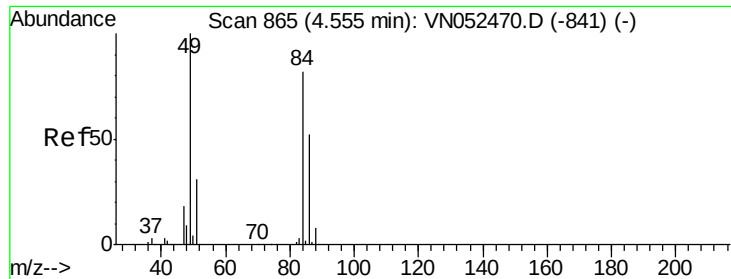
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.6	76.0#
76	0.0	27.4	41.2#



#16
Acetone
Concen: 46.265 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.0	39.0

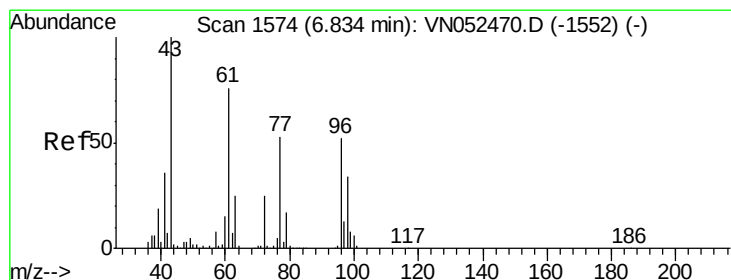
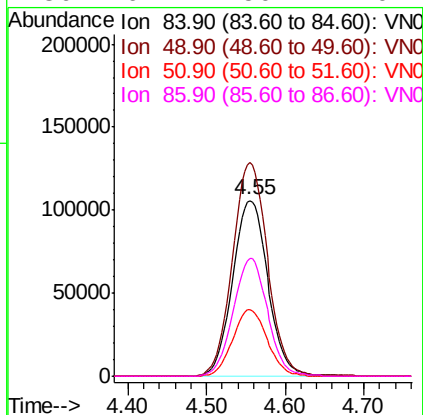
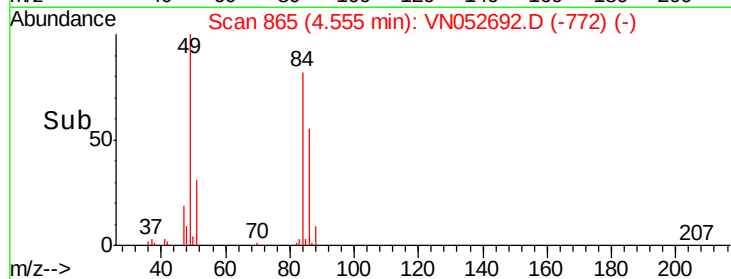
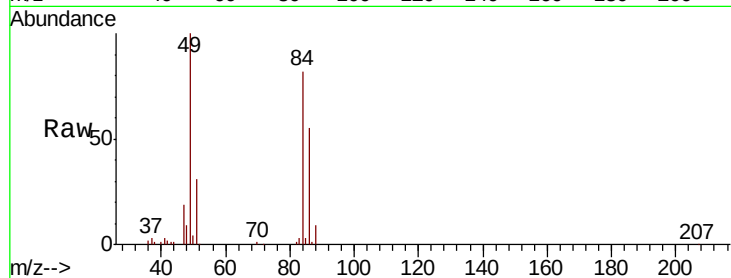




#20
Methylene Chloride
Concen: 25.184 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

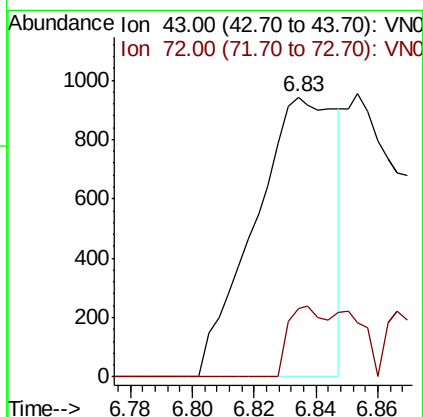
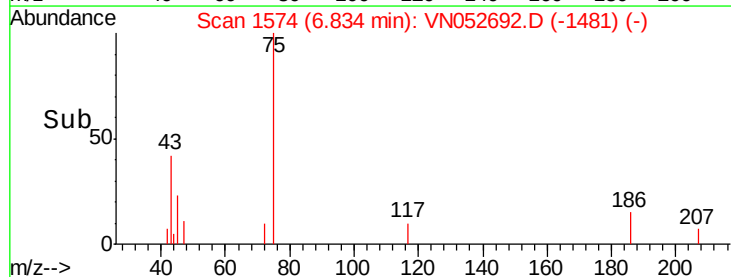
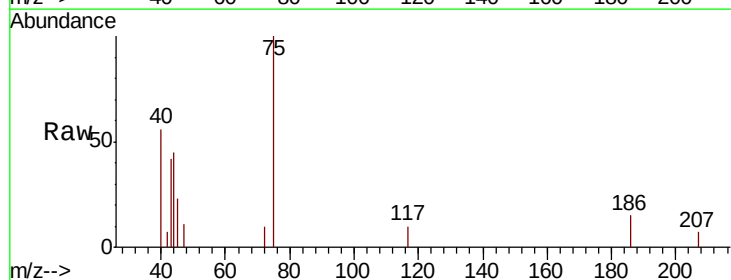
Instrument :
MSVOA_N
ClientSampleId :

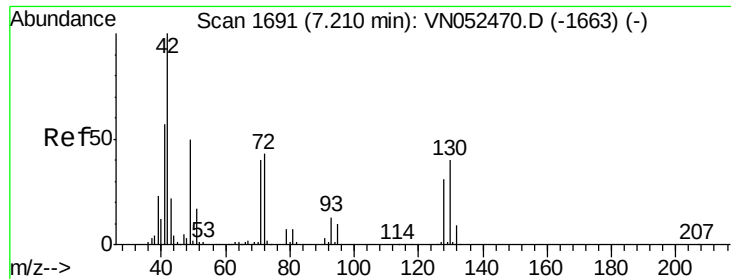
Tot Ion: 84 Resp: 331271
Ion Ratio Lower Upper
84 100
49 121.5 98.0 147.0
51 38.2 30.1 45.1
86 67.4 50.7 76.1



#25
2-Butanone
Concen: 0.361 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
72 24.5 20.1 30.1

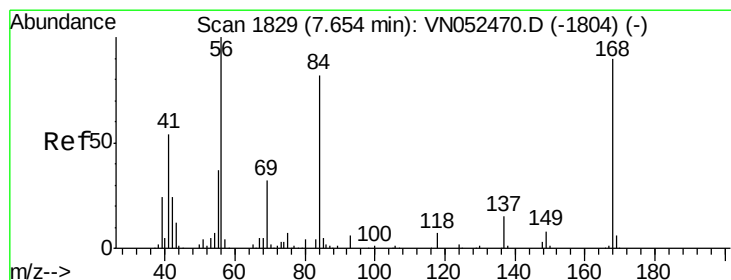
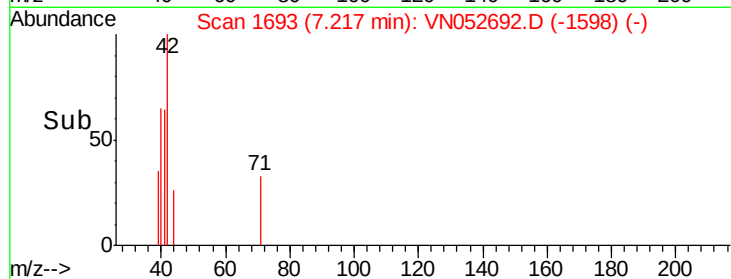
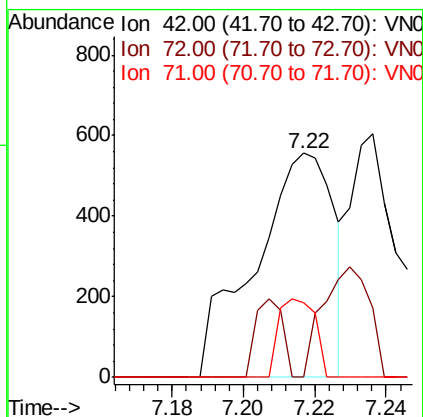
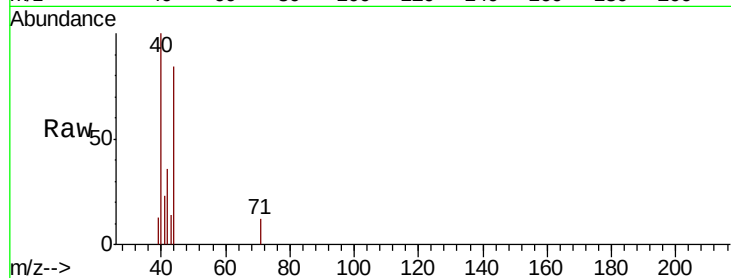




#29
Tetrahydrofuran
Concen: 0.278 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

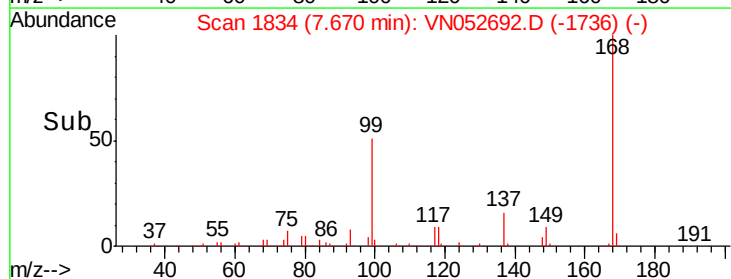
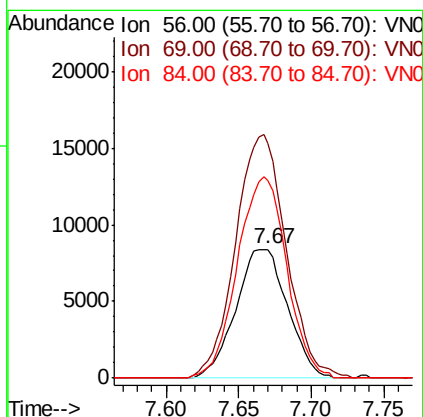
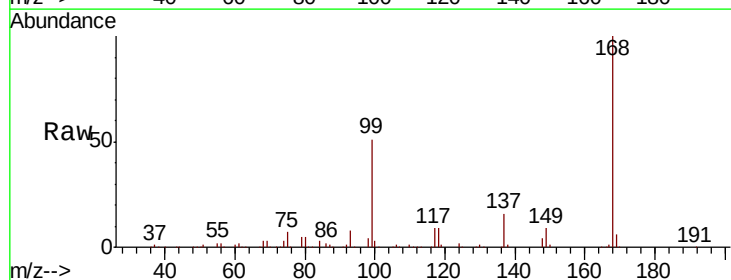
Instrument :
MSVOA_N
ClientSampled :

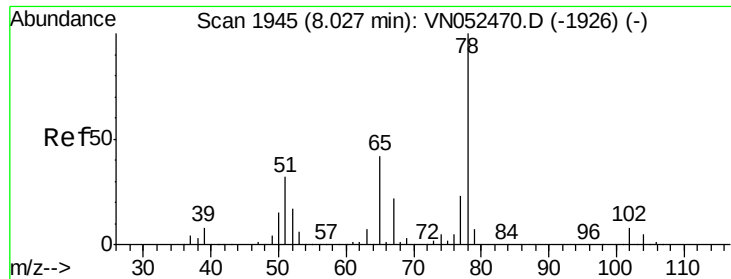
Tot Ion: 42 Resp: 853
Ion Ratio Lower Upper
42 100
72 12.0 33.3 49.9#
71 16.2 32.0 48.0#



#31
Cyclohexane
Concen: 0.589 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion: 56 Resp: 20838
Ion Ratio Lower Upper
56 100
69 182.5 25.8 38.6#
84 153.1 65.3 97.9#

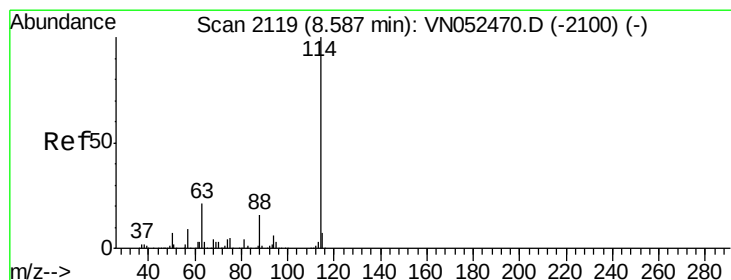
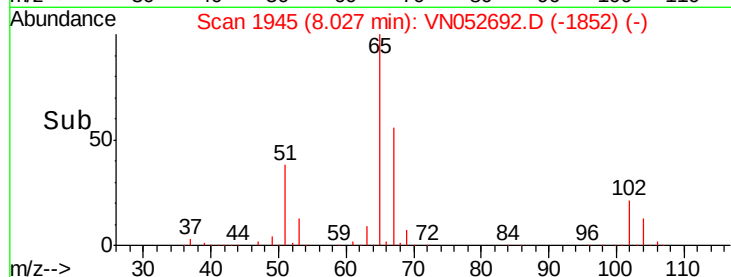
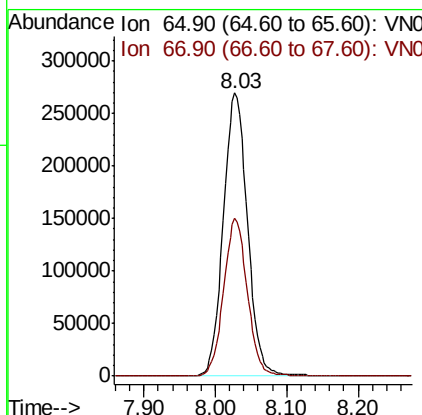
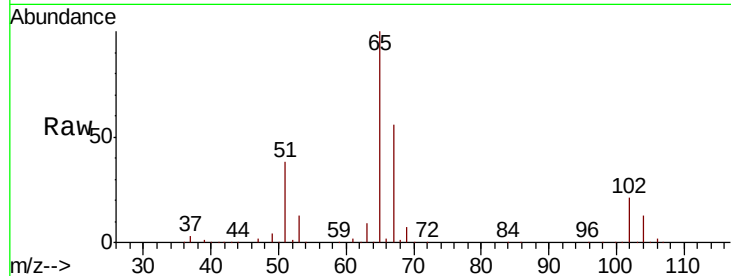




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

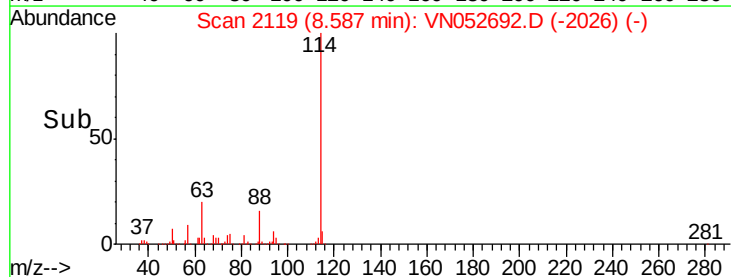
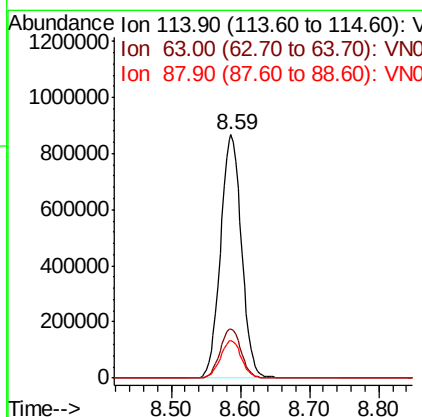
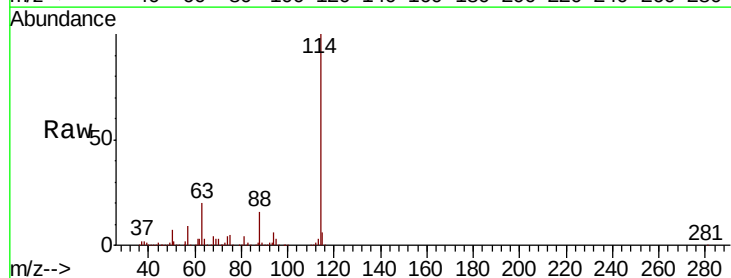
Instrument :
 MSVOA_N
 ClientSampleId :

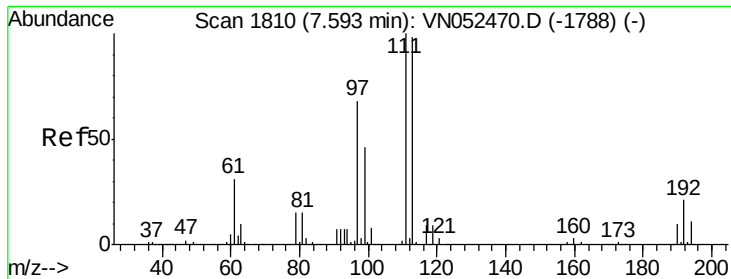
Tot Ion: 65 Resp: 635612
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

Tgt Ion: 114 Resp: 1822472
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.6 0.0 31.6

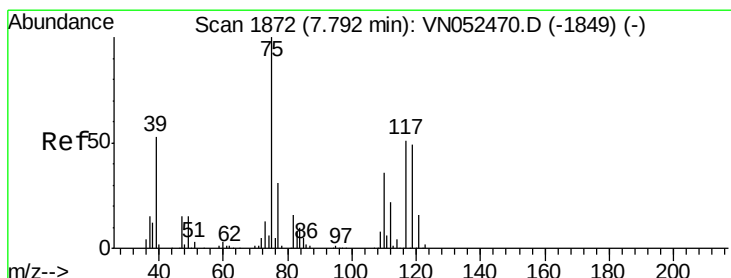
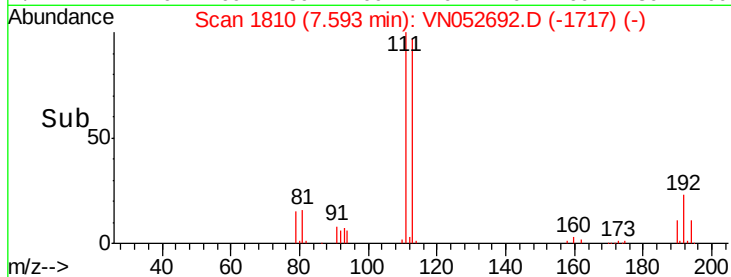
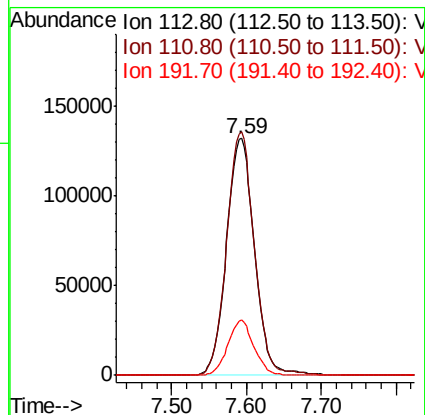
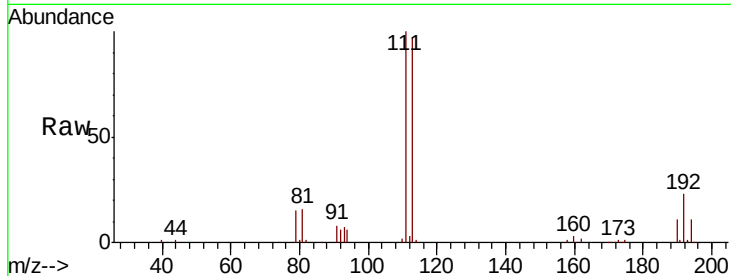




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

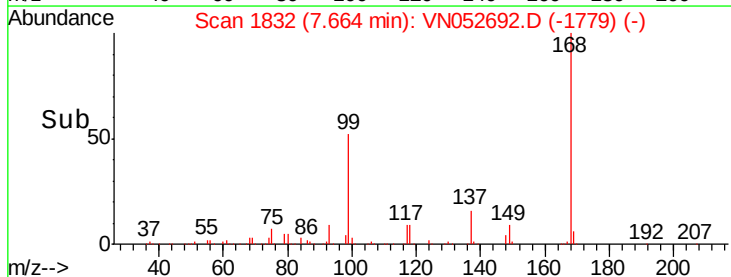
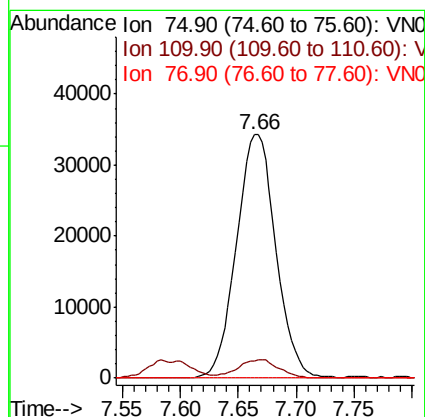
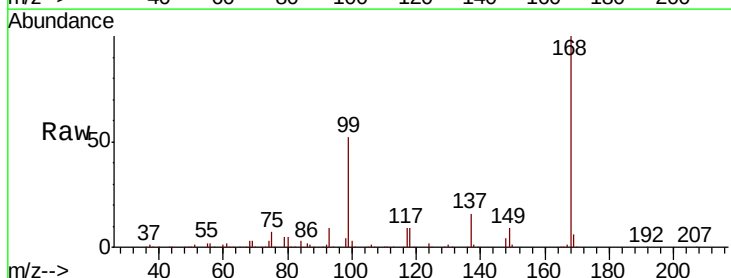
Instrument :
MSVOA_N
ClientSampleId :

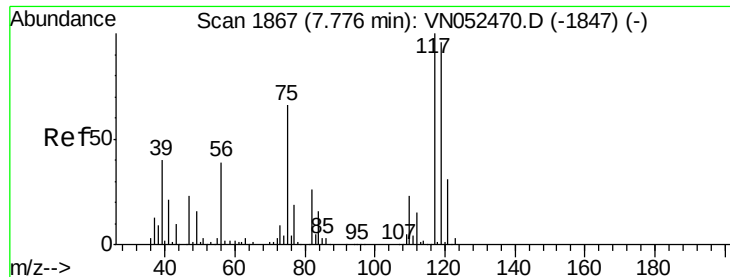
Tot Ion:113 Resp: 343572
Ion Ratio Lower Upper
113 100
111 101.3 82.0 123.0
192 21.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.709 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion: 75 Resp: 81041
Ion Ratio Lower Upper
75 100
110 8.0 17.5 52.6#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.699 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052692.D

Acq: 6 Dec 2018 11:30

Instrument :

MSVOA_N

ClientSampleId :

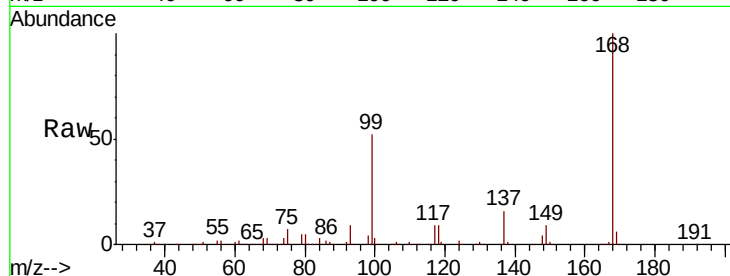
Tot Ion:117 Resp: 104365

Ion Ratio Lower Upper

117 100

119 6.1 76.8 115.2#

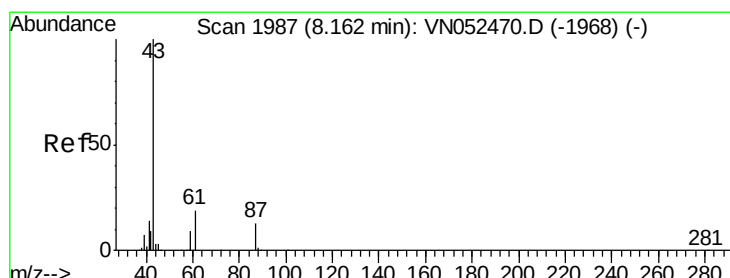
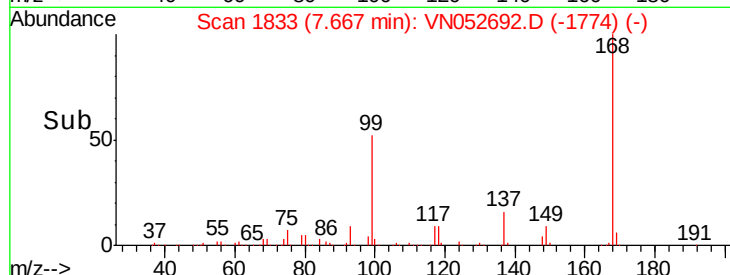
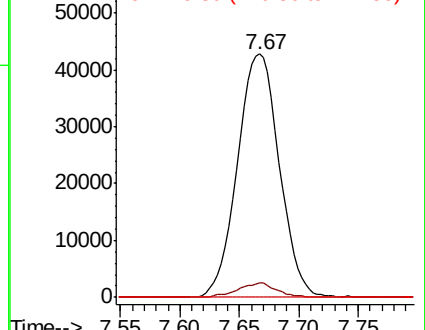
121 0.0 24.9 37.3#



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: 0.977 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN052692.D

Acq: 6 Dec 2018 11:30

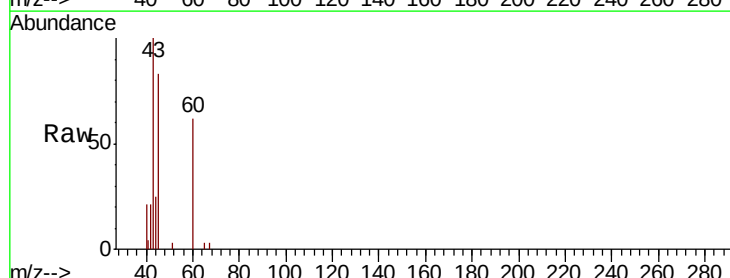
Tgt Ion: 43 Resp: 17360

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

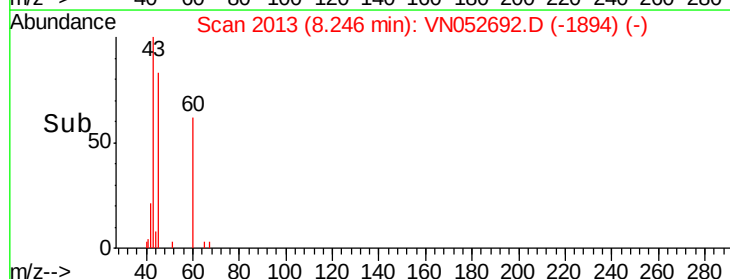
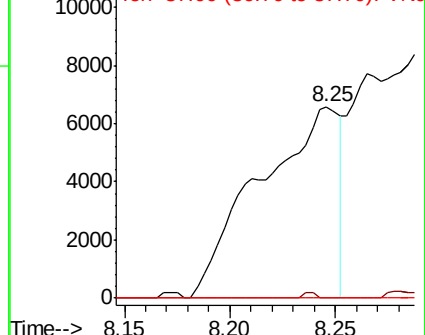
87 0.0 10.6 15.8#

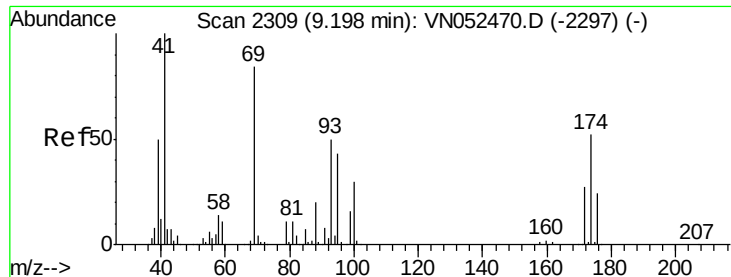


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

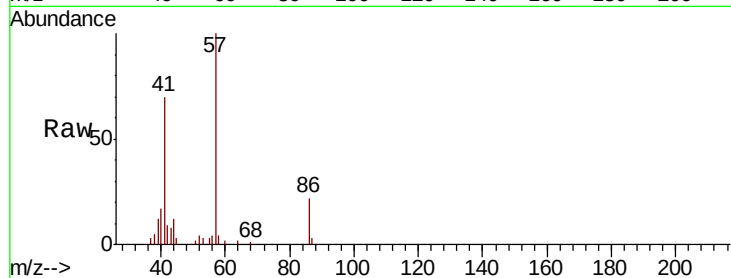




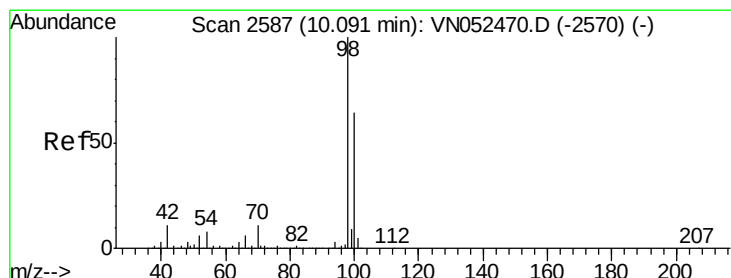
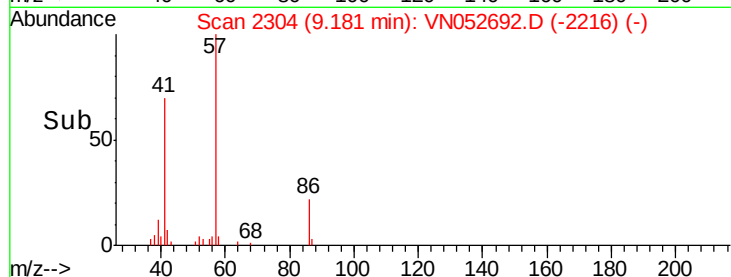
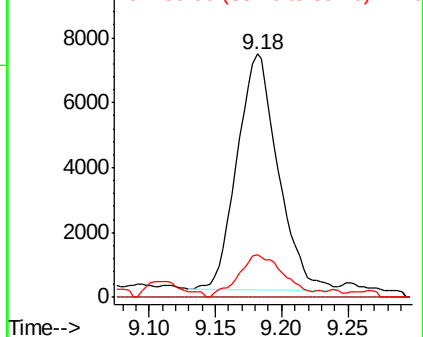
#48
Methvl methacrylate
Concen: 1.691 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 15668
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 19.9 42.6 64.0#

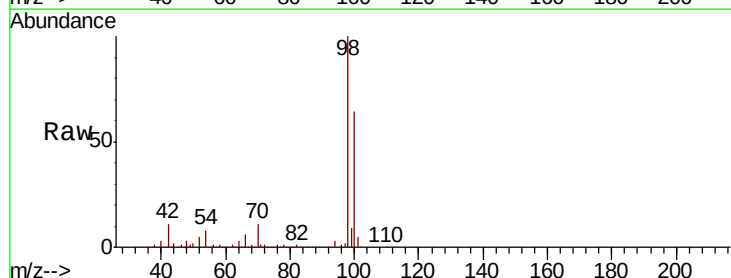


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

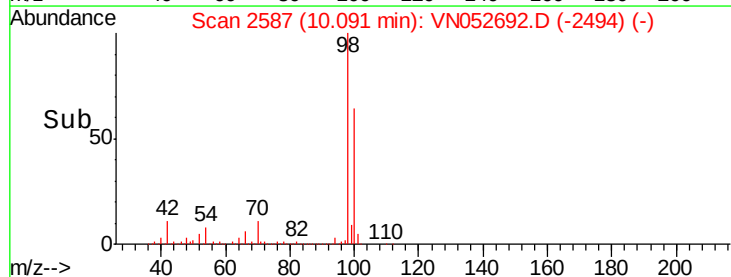
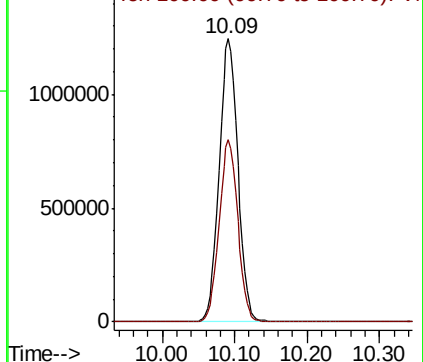


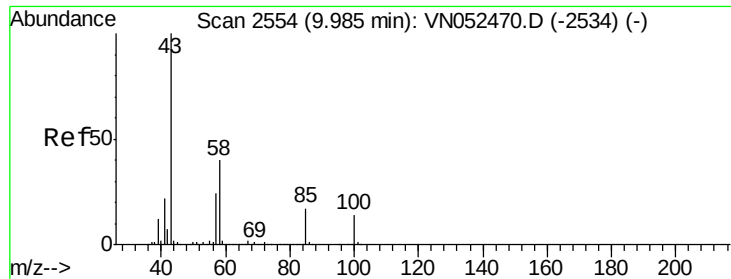
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion: 98 Resp: 2225132
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

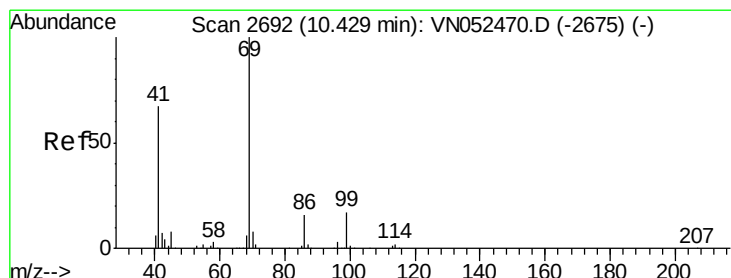
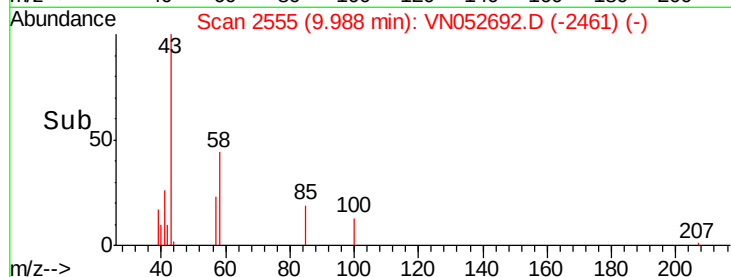
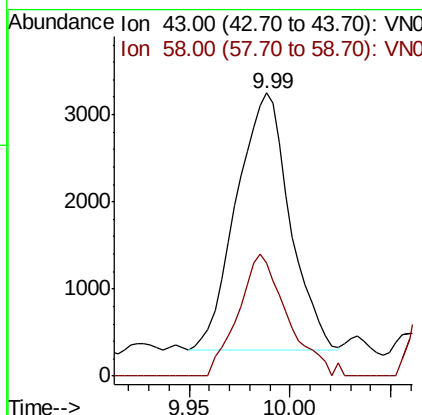
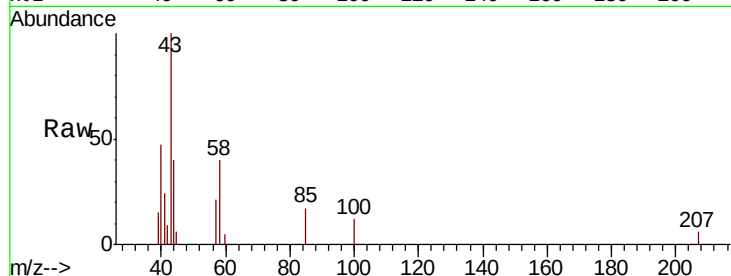




#51
 4-Methyl-2-Pentanone
 Concen: 0.545 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

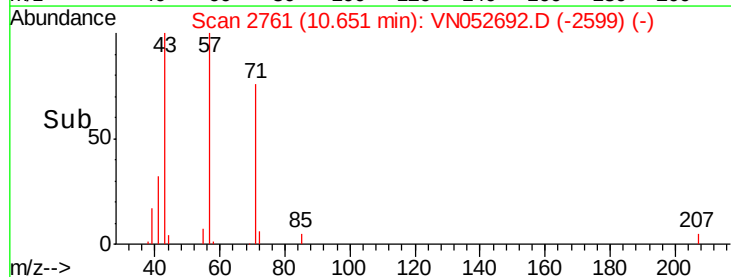
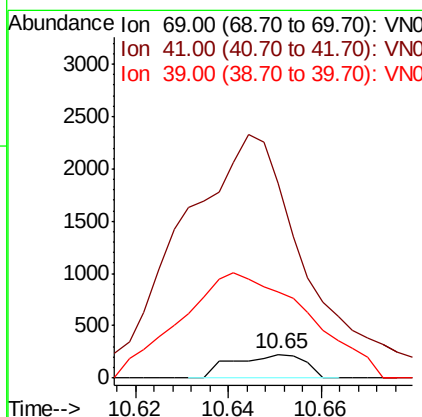
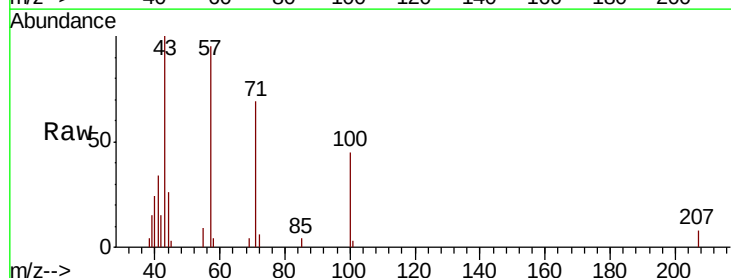
Instrument :
 MSVOA_N
 ClientSampleId :

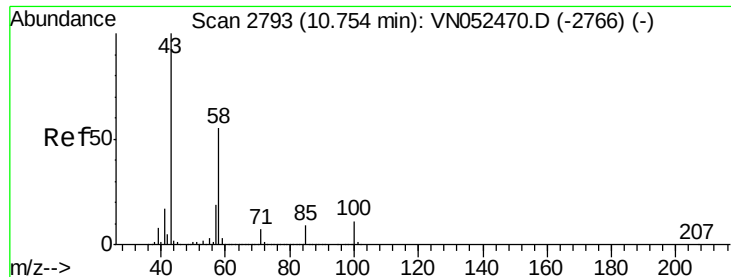
Tot Ion: 43 Resp: 5437
 Ion Ratio Lower Upper
 43 100
 58 43.9 31.5 47.3



#56
 Ethyl methacrylate
 Concen: 2.709 ug/l
 RT: 10.65 min Scan# 2761
 Delta R.T. 0.22 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

Tgt Ion: 69 Resp: 246
 Ion Ratio Lower Upper
 69 100
 41 1781.3 52.6 79.0#
 39 788.6 25.9 38.9#

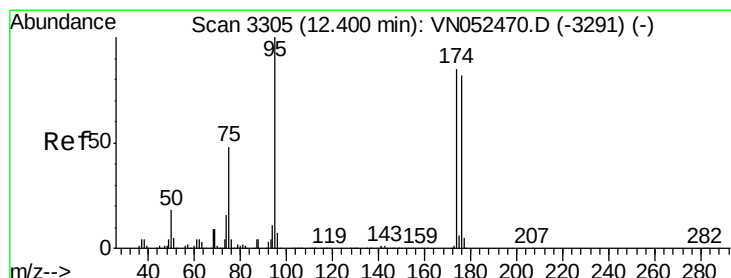
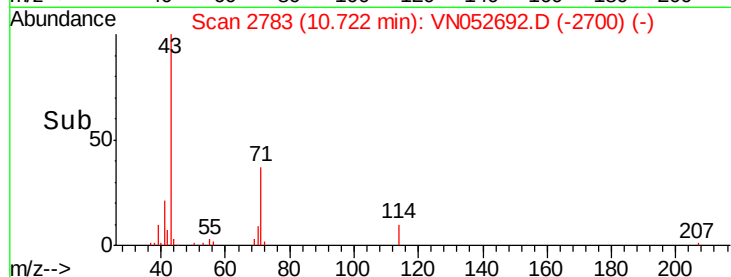
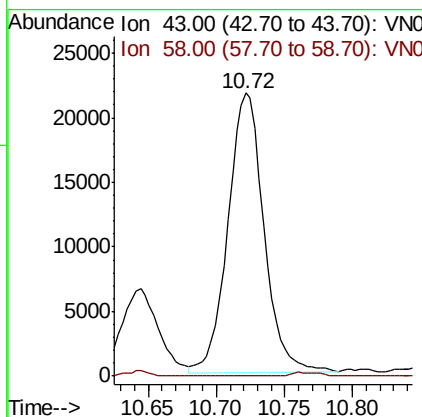
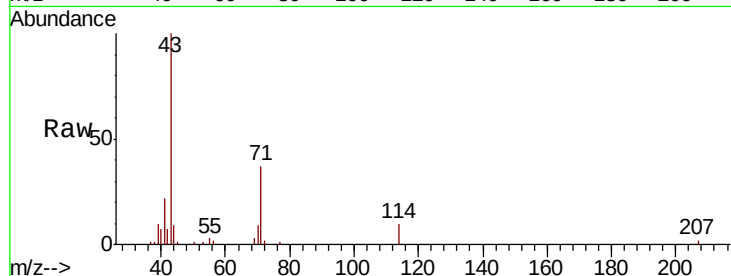




#59
2-Hexanone
Concen: 5.898 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

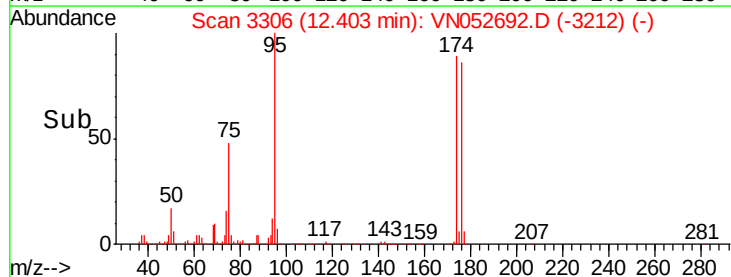
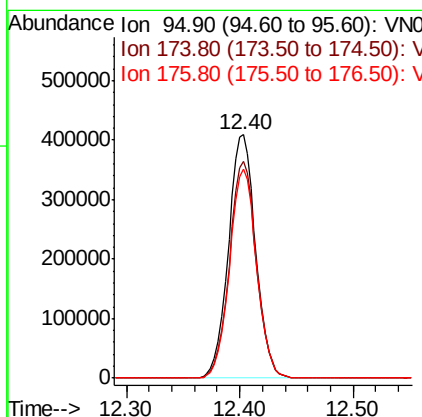
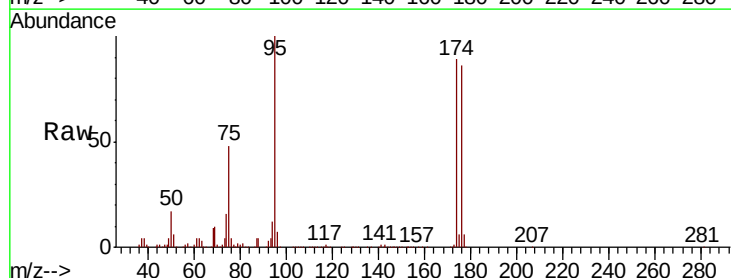
Instrument :
MSVOA_N
ClientSampled :

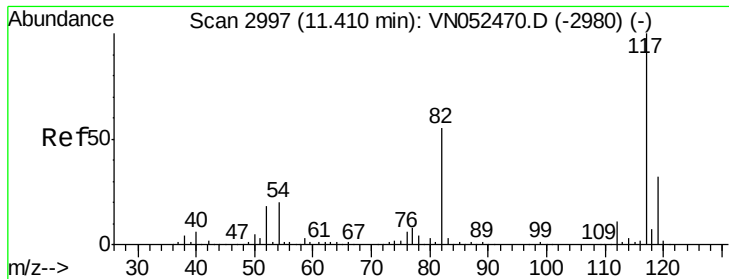
Tot Ion: 43 Resp: 39475
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion: 95 Resp: 681488
Ion Ratio Lower Upper
95 100
174 88.6 0.0 173.0
176 85.5 0.0 166.2

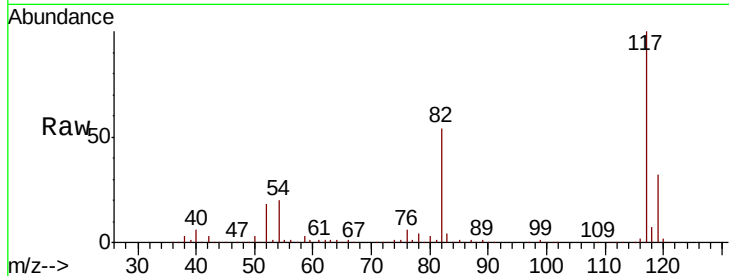




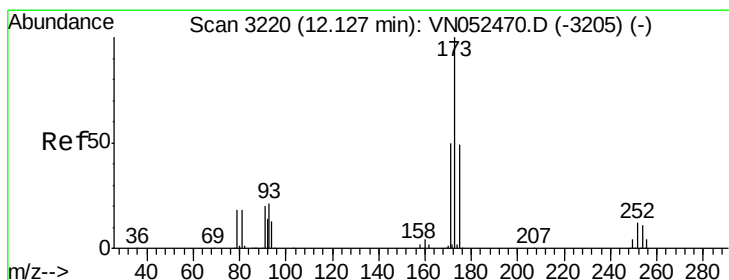
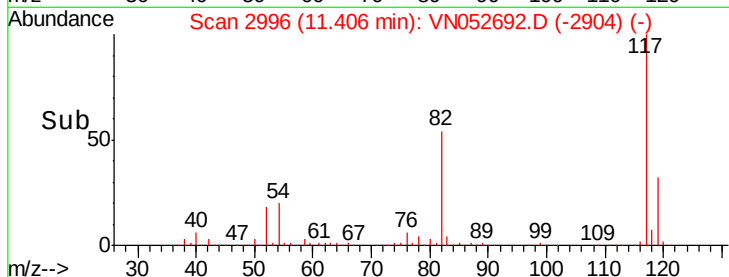
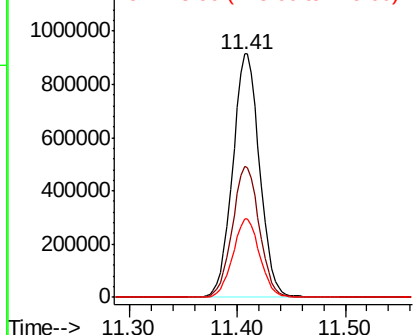
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1588948
Ion Ratio Lower Upper
117 100
82 53.9 43.6 65.4
119 32.0 25.4 38.2

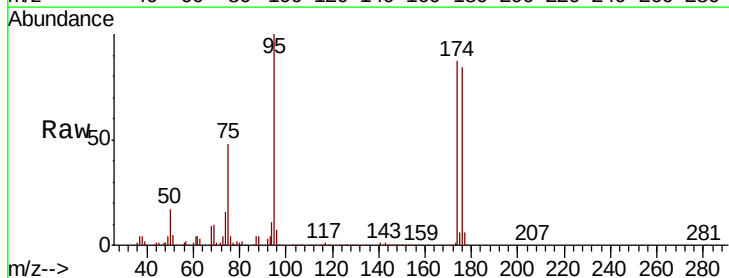


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

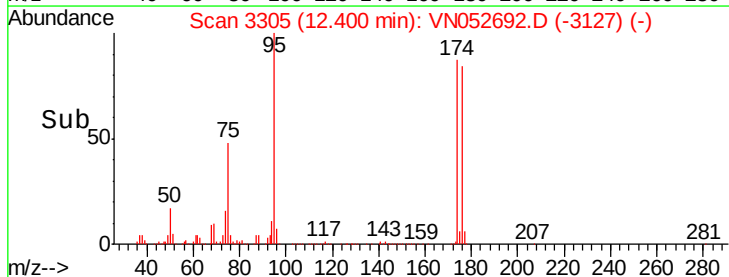
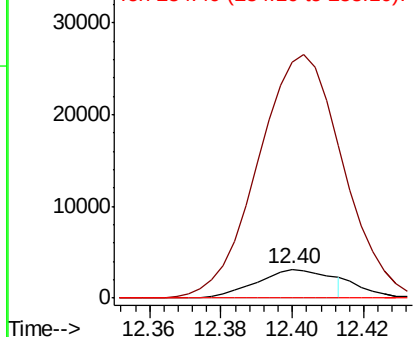


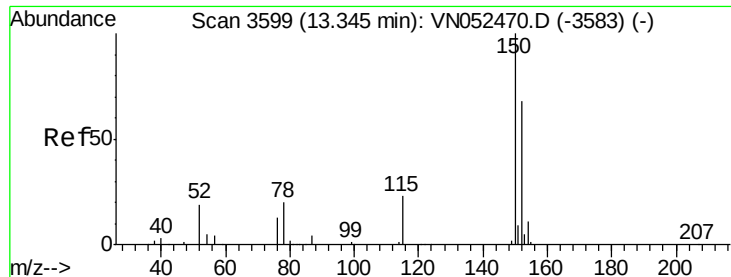
#71
Bromoform
Concen: 0.595 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion:173 Resp: 4489
Ion Ratio Lower Upper
173 100
175 844.4 24.4 73.2#
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



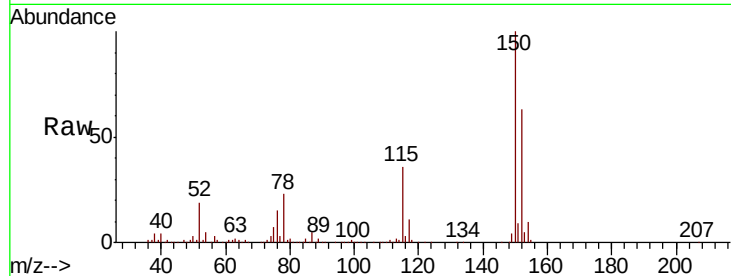


#72

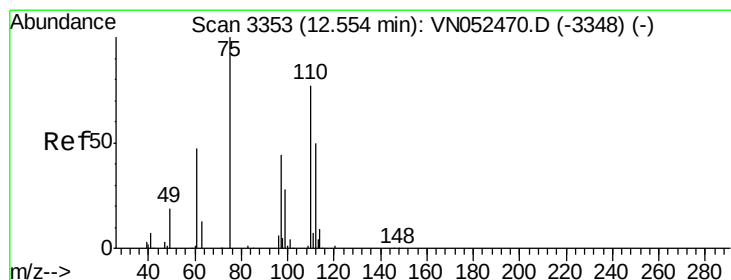
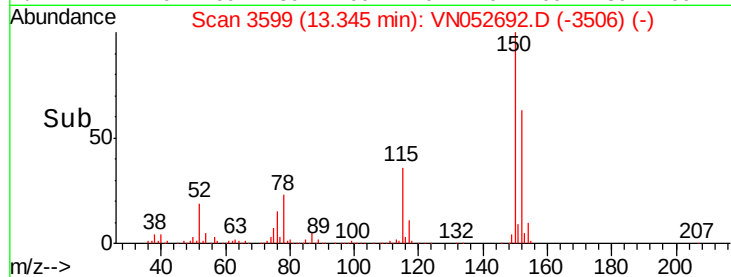
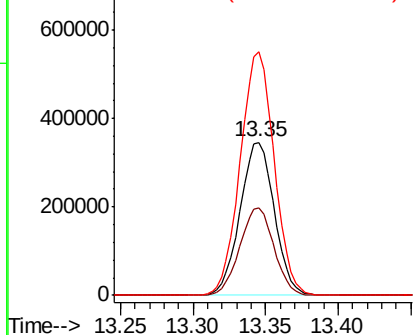
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 570167
Ion Ratio Lower Upper
152 100
115 57.1 28.4 85.2
150 157.6 0.0 346.0



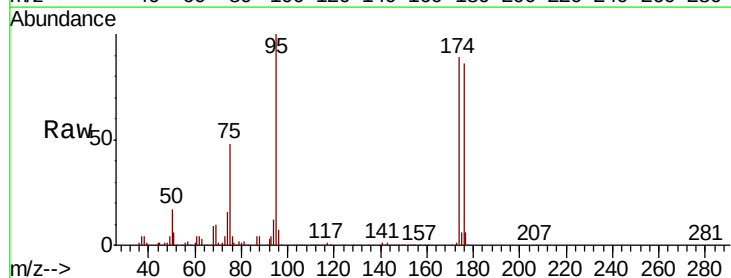
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



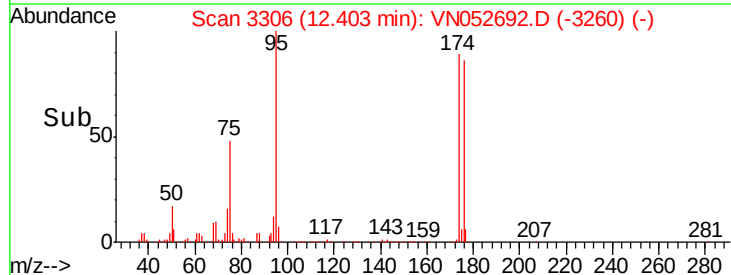
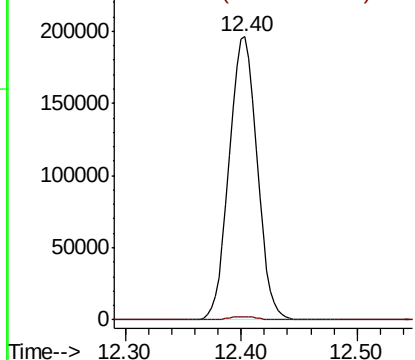
#76

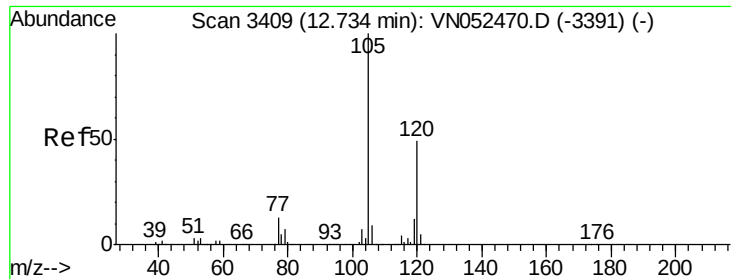
1,2,3-Trichloropropane
Concen: 37.203 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN052692.D
Acq: 6 Dec 2018 11:30

Tgt Ion: 75 Resp: 327098
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

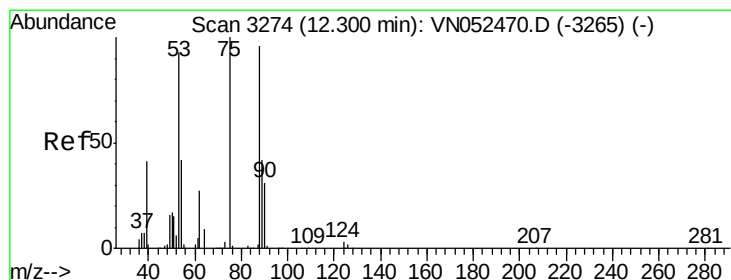
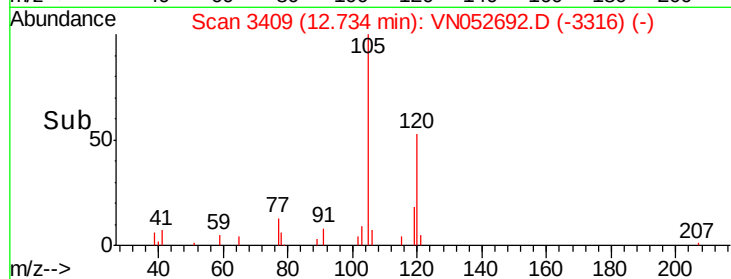
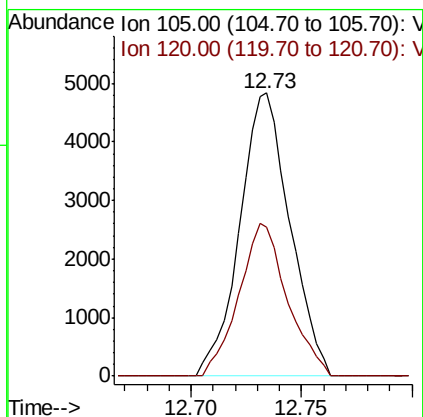
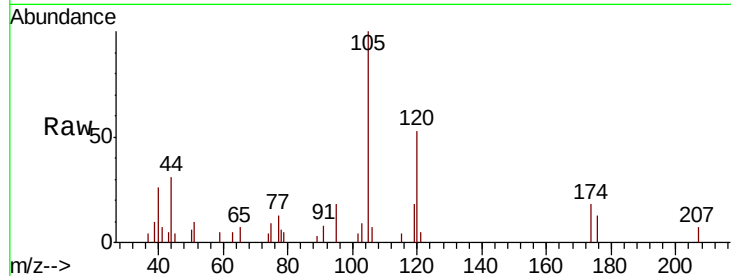




#80
 1,3,5-Trimethylbenzene
 Concen: 0.214 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

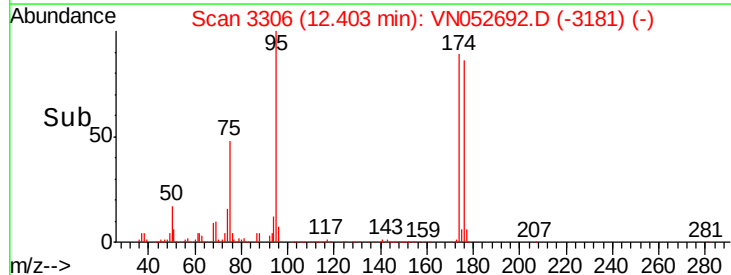
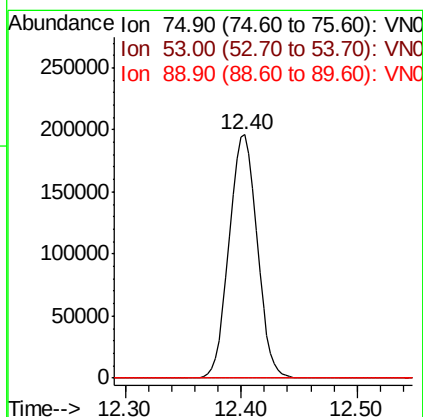
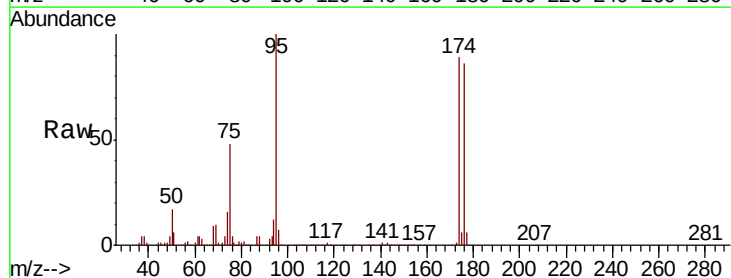
Instrument :
 MSVOA_N
 ClientSampled :

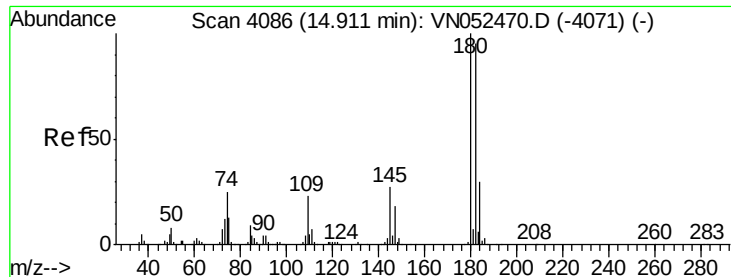
Tot Ion:105 Resp: 7622
 Ion Ratio Lower Upper
 105 100
 120 52.1 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.240 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

Tgt Ion: 75 Resp: 327098
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#

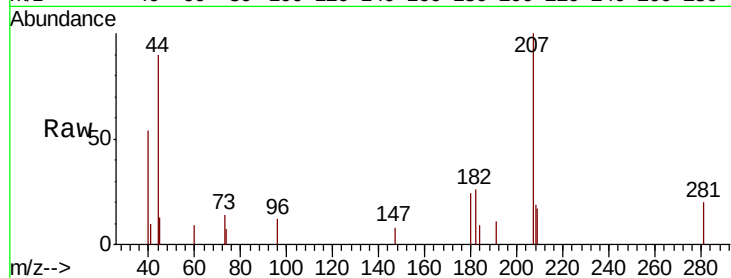




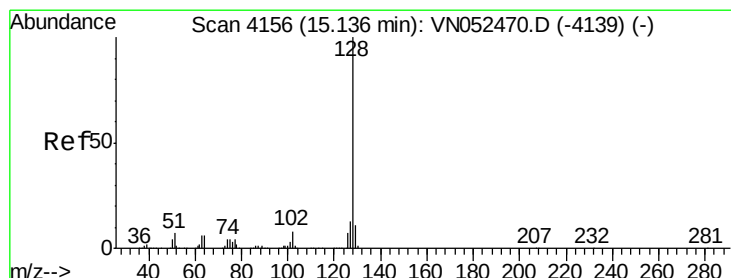
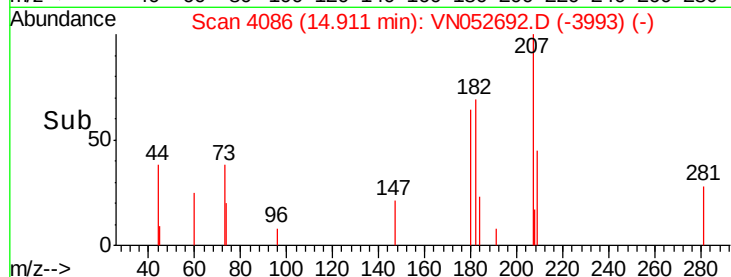
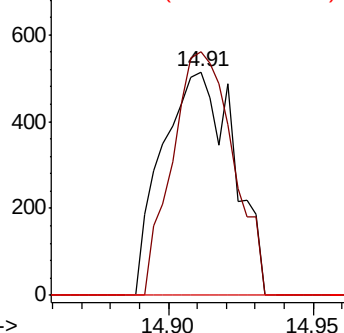
#93
 1,2,4-Trichlorobenzene
 Concen: 2.912 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 884
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.8 143.4
 145 0.0 14.1 42.3#

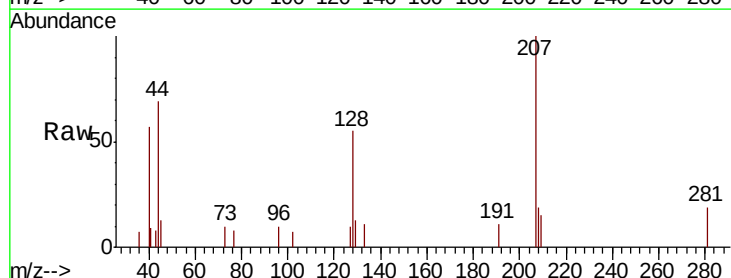


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

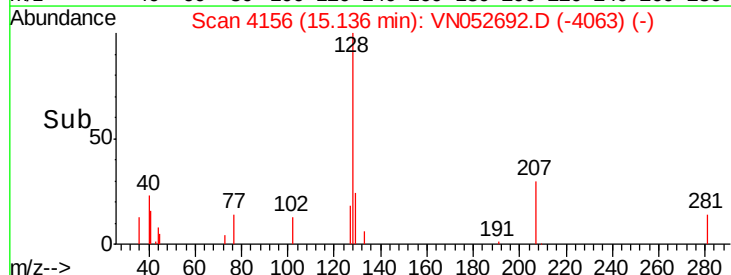
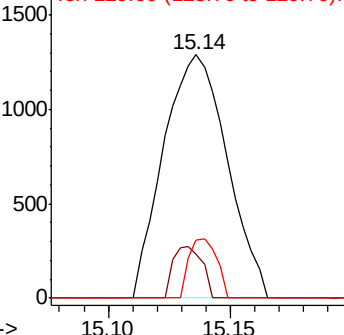


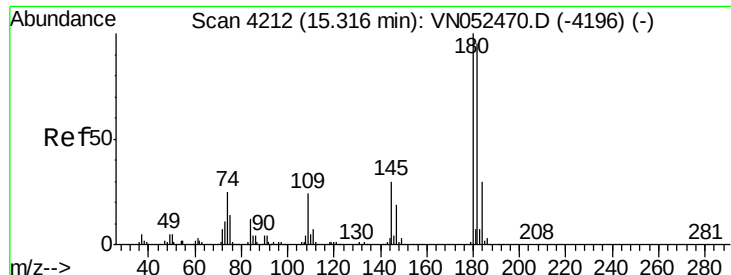
#95
 Naphthalene
 Concen: 3.530 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

Tgt Ion:128 Resp: 2333
 Ion Ratio Lower Upper
 128 100
 127 9.6 10.2 15.2#
 129 10.5 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 2.840 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052692.D
 Acq: 6 Dec 2018 11:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 1116
 Ion Ratio Lower Upper
 180 100
 182 32.8 47.8 143.3#
 145 10.5 15.2 45.5#

