

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057085.D
 Acq On : 5 Aug 2019 16:25
 Operator : JC/SP
 Sample : K4130-39
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:11:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	580380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	841195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	720287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	208345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	288699	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.58	113	258038	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
50) Toluene-d8	10.08	98	991004	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	271749	40.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.30%	

Target Compounds

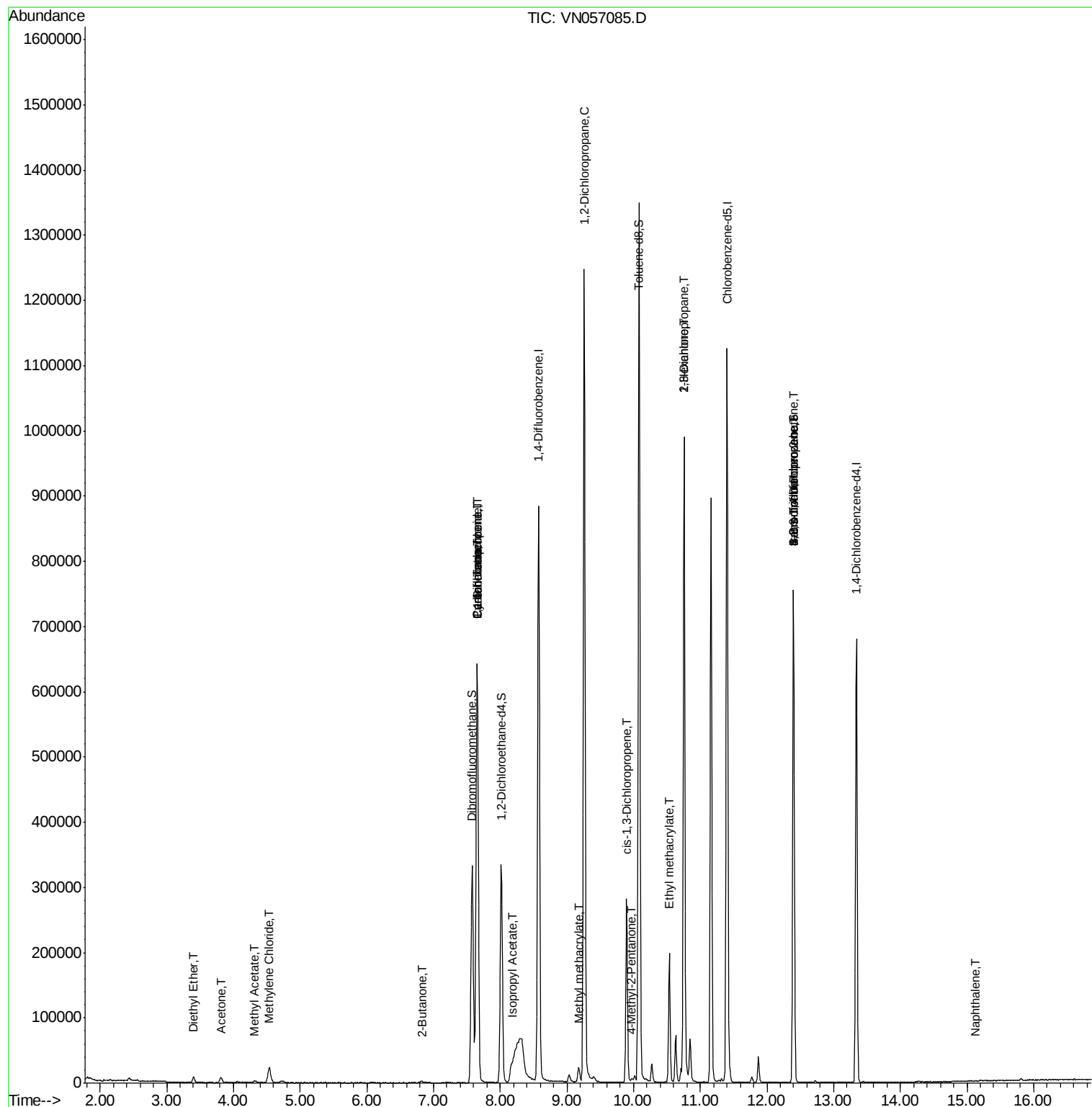
						Qvalue
8) Diethyl Ether	3.40	74	4085	1.266	ug/l	72
16) Acetone	3.81	43	13794	6.409	ug/l	99
18) Methyl Acetate	4.33	43	6812	0.992	ug/l #	86
20) Methylene Chloride	4.54	84	18881	3.045	ug/l	94
25) 2-Butanone	6.84	43	688	0.225	ug/l #	48
31) Cyclohexane	7.65	56	8981	0.920	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	35917	4.852	ug/l #	48
38) Carbon Tetrachloride	7.66	117	49192	7.026	ug/l #	16
43) Isopropyl Acetate	8.17	43	30010	3.063	ug/l #	52
45) 1,2-Dichloropropane	9.26	63	1241	0.204	ug/l #	44
48) Methyl methacrylate	9.17	41	8668	1.832	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	3310	0.569	ug/l	98
54) cis-1,3-Dichloropropene	9.90	75	54330	6.228	ug/l #	63
56) Ethyl methacrylate	10.53	69	923	1.868	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	10769	1.182	ug/l #	42
59) 2-Hexanone	10.76	43	138901	33.171	ug/l #	51
71) Bromoform	12.40	173	2168	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	125792	29.730	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	125792	95.522	ug/l #	15
95) Naphthalene	15.12	128	271	3.616	ug/l #	70

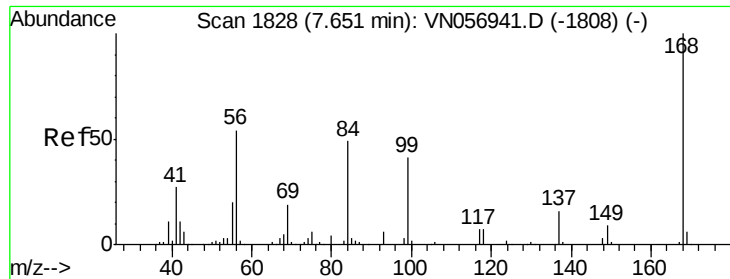
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057085.D

Acq: 5 Aug 2019 16:25

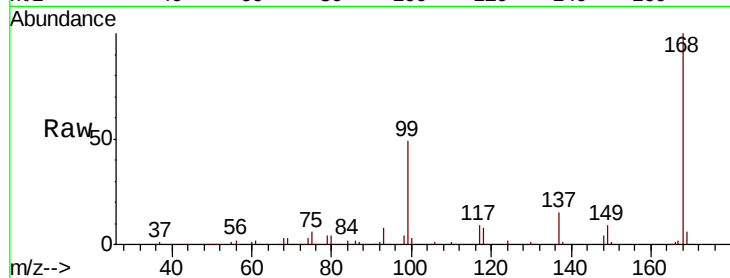
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 580380

Ion Ratio Lower Upper

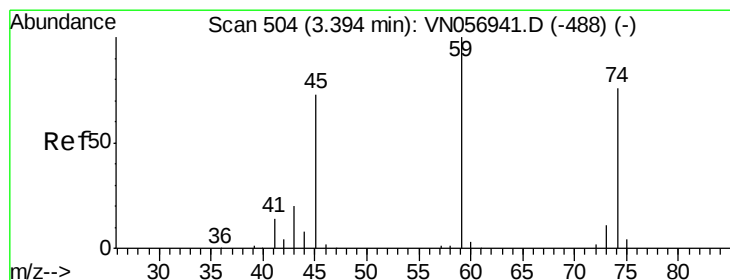
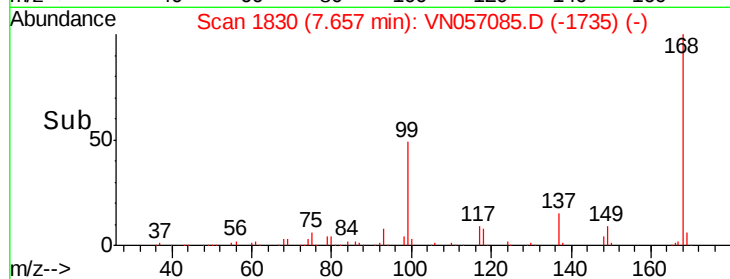
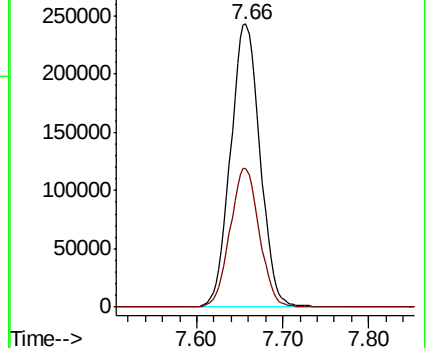
168 100

99 49.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#8

Diethyl Ether

Concen: 1.266 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.01 min

Lab File: VN057085.D

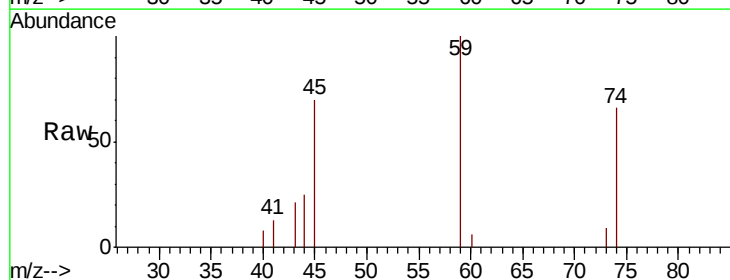
Acq: 5 Aug 2019 16:25

Tgt Ion: 74 Resp: 4085

Ion Ratio Lower Upper

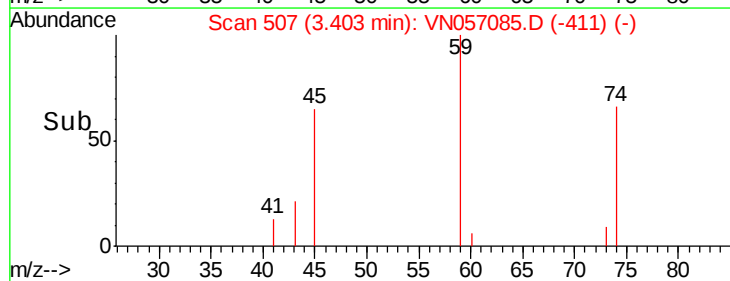
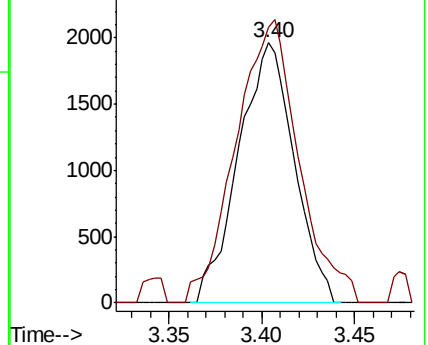
74 100

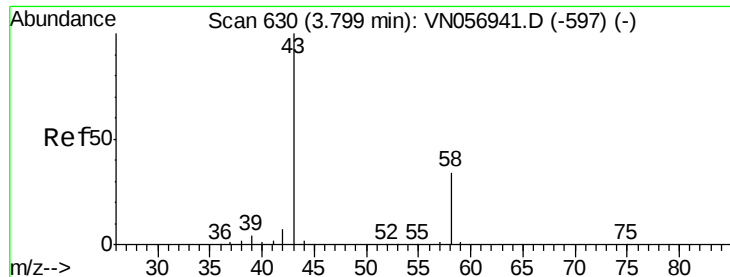
45 123.4 48.1 144.3



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

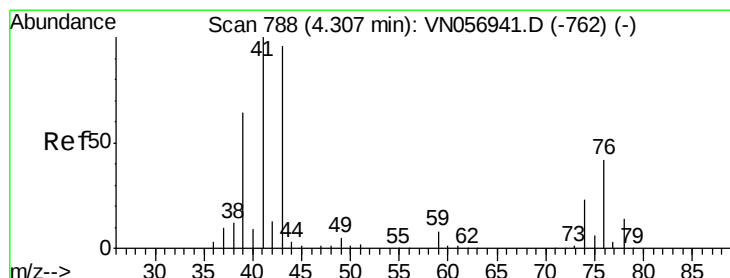
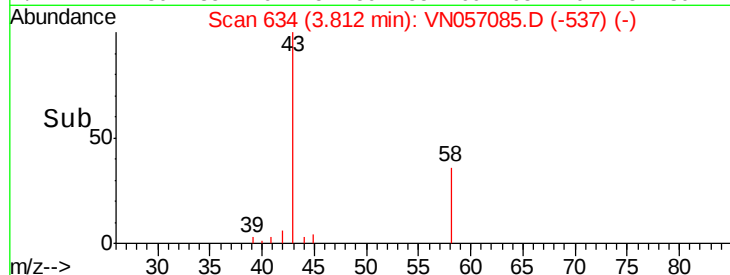
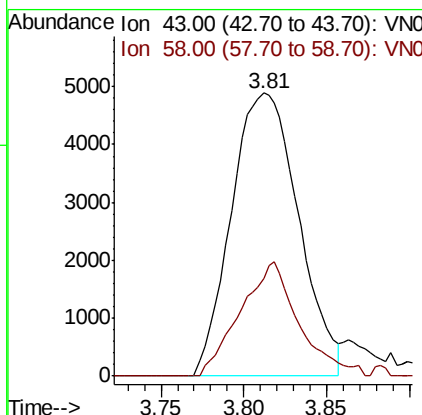
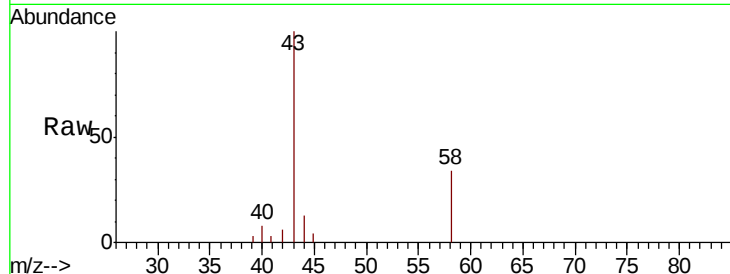




#16
 Acetone
 Concen: 6.409 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VN057085.D
 Acq: 5 Aug 2019 16:25

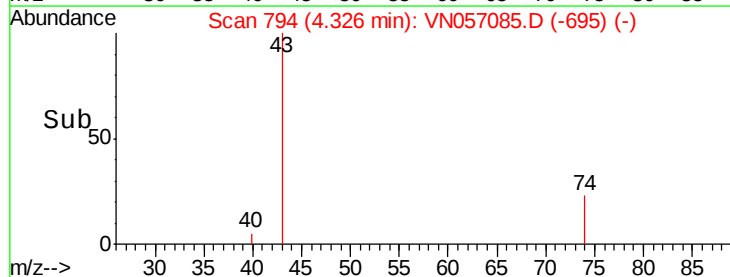
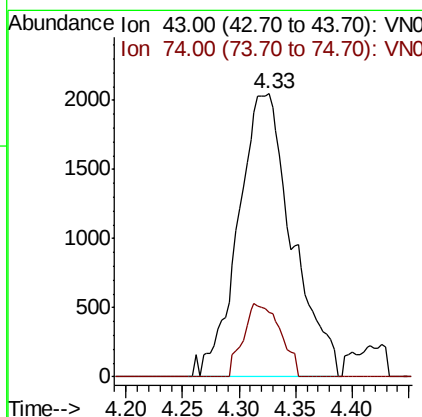
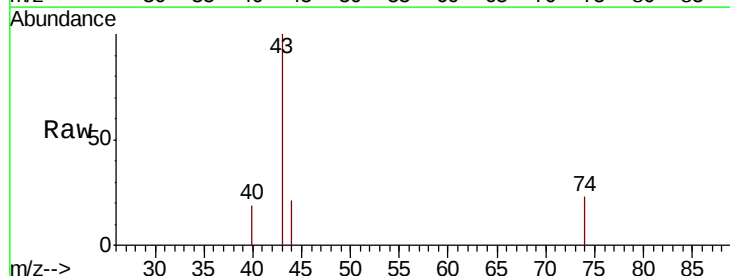
Instrument :
 MSVOA_N
 ClientSampled :

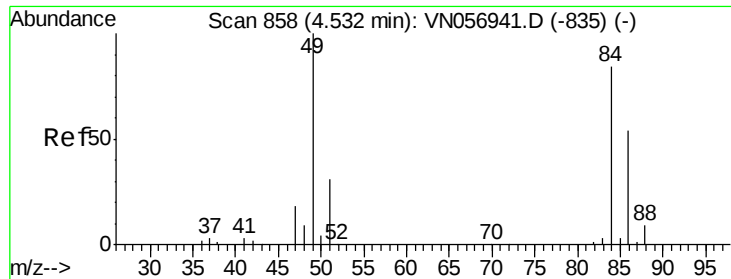
Tot Ion: 43 Resp: 13794
 Ion Ratio Lower Upper
 43 100
 58 34.4 27.2 40.8



#18
 Methyl Acetate
 Concen: 0.992 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. 0.02 min
 Lab File: VN057085.D
 Acq: 5 Aug 2019 16:25

Tgt Ion: 43 Resp: 6812
 Ion Ratio Lower Upper
 43 100
 74 17.7 19.7 29.5#

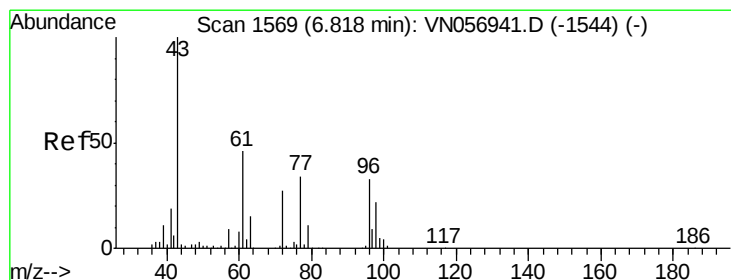
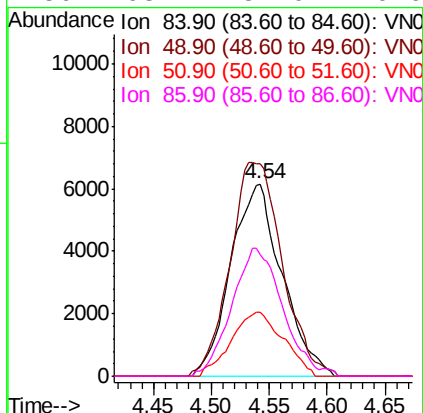
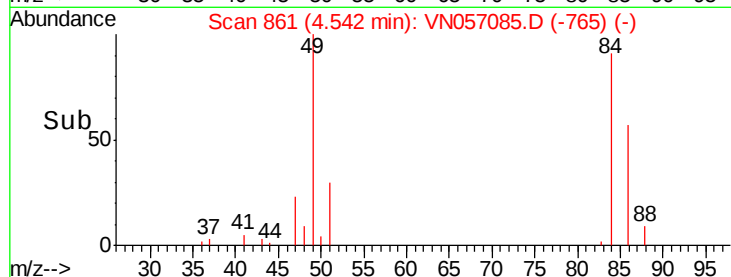
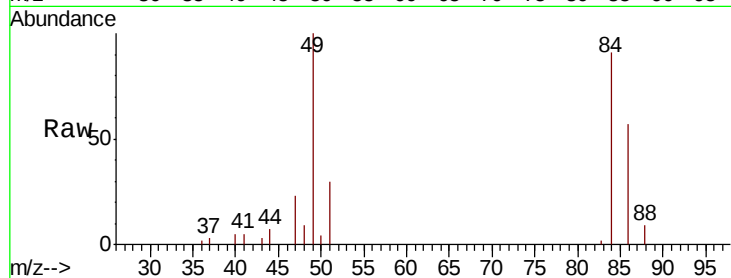




#20
Methvlene Chloride
Concen: 3.045 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

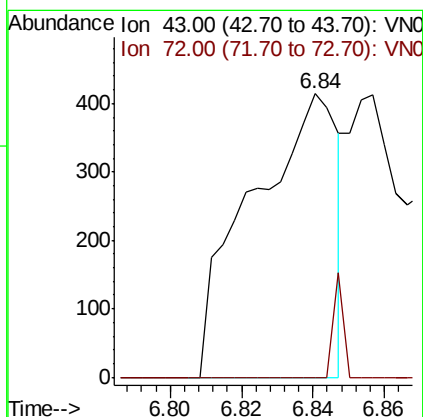
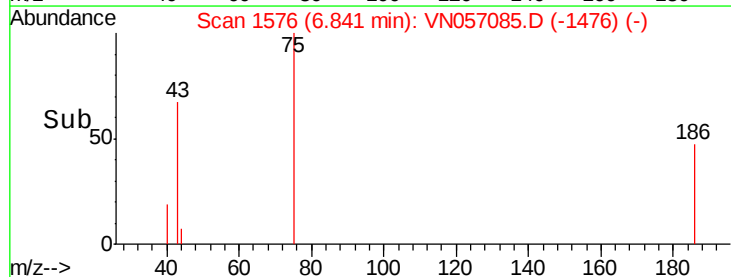
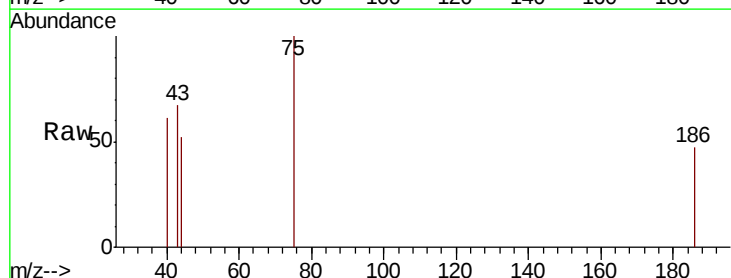
Instrument :
MSVOA_N
ClientSampled :

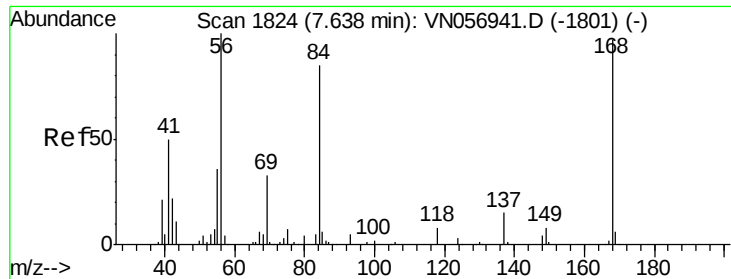
Tot Ion: 84 Resp: 18881
Ion Ratio Lower Upper
84 100
49 110.4 95.2 142.8
51 33.2 29.7 44.5
86 63.1 51.0 76.6



#25
2-Butanone
Concen: 0.225 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.02 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#31

Cyclohexane

Concen: 0.920 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN057085.D

Acq: 5 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

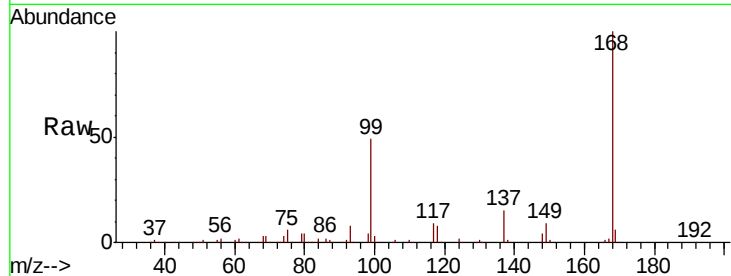
Tot Ion: 56 Resp: 8981

Ion Ratio Lower Upper

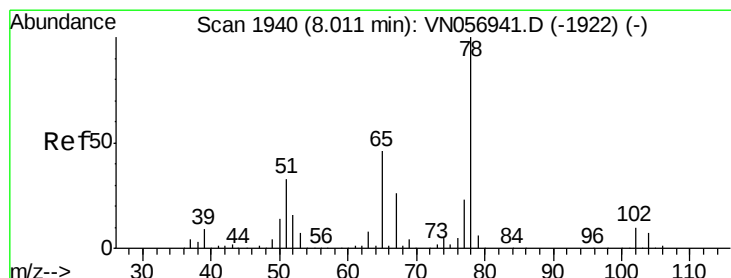
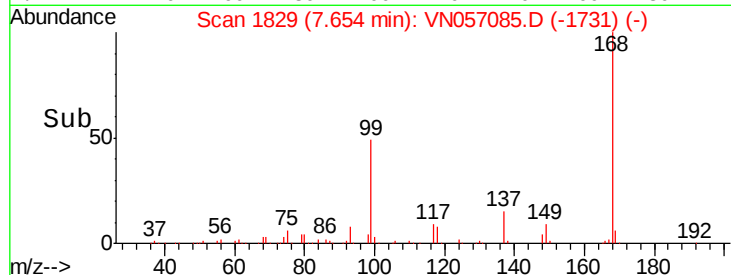
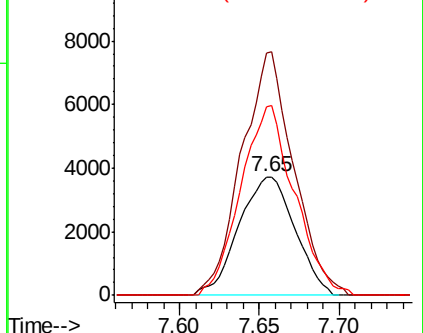
56 100

69 204.8 26.2 39.2#

84 158.6 68.2 102.2#



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



#33

1,2-Dichloroethane-d4

Concen: 48.594 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057085.D

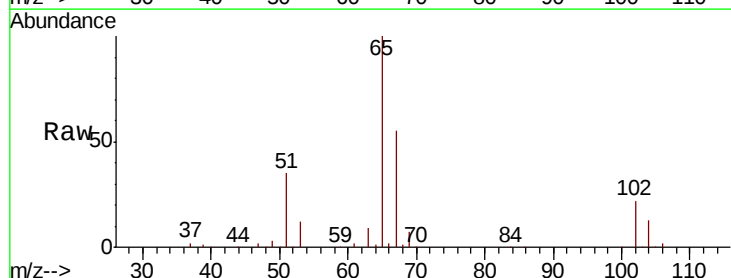
Acq: 5 Aug 2019 16:25

Tgt Ion: 65 Resp: 288699

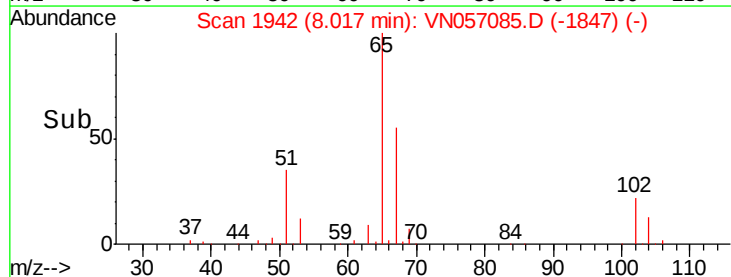
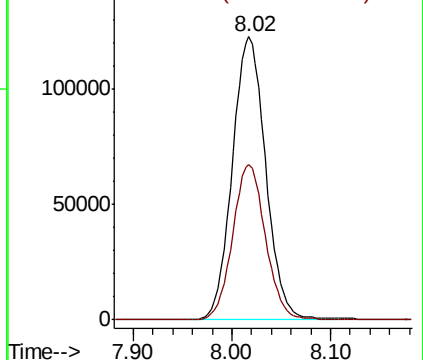
Ion Ratio Lower Upper

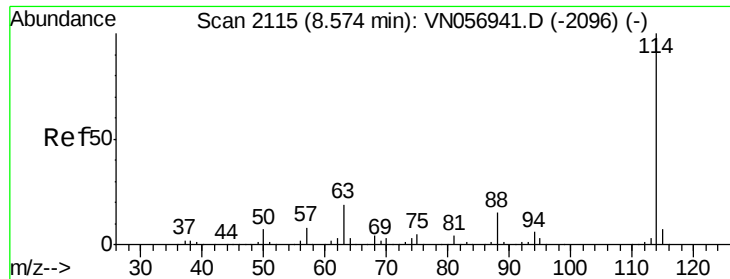
65 100

67 54.0 0.0 112.0



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

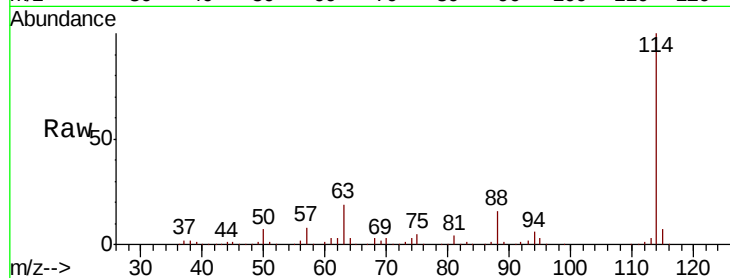




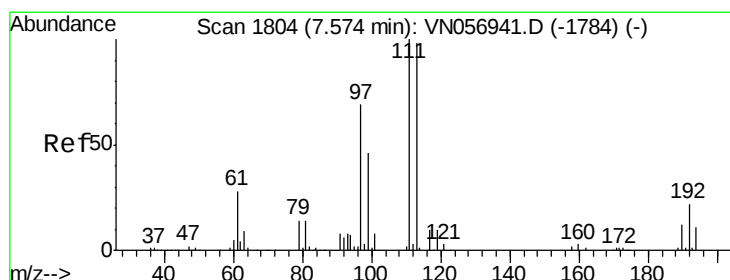
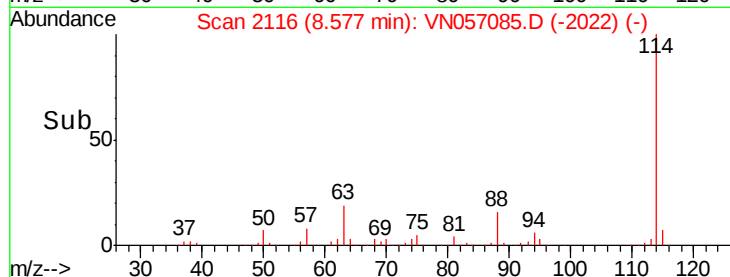
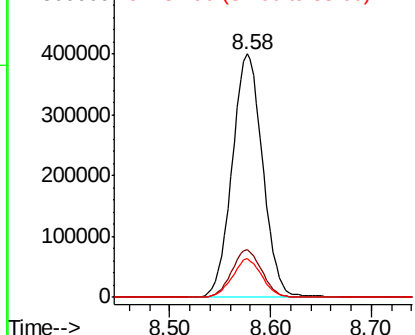
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:114 Resp: 841195
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.0
88 15.7 0.0 30.0

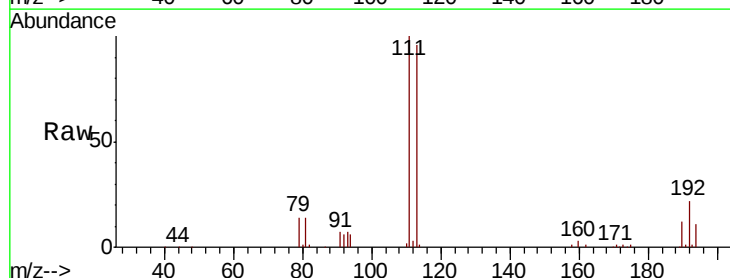


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

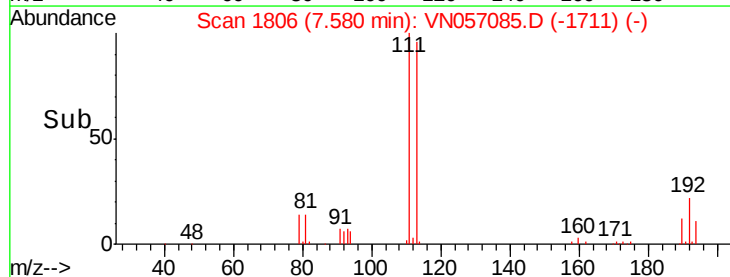
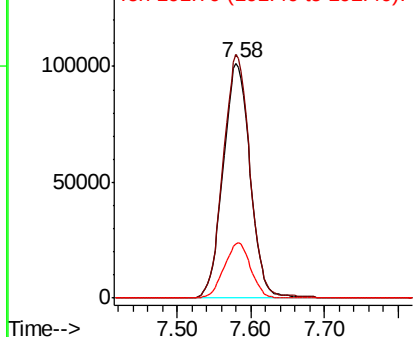


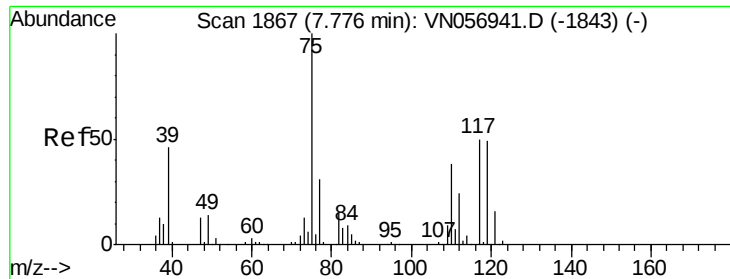
#35
Dibromofluoromethane
Concen: 47.917 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.01 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion:113 Resp: 258038
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 23.3 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

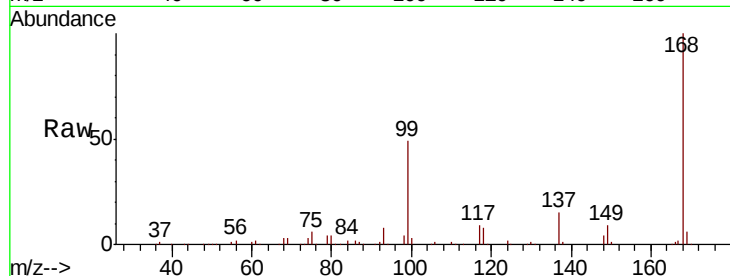




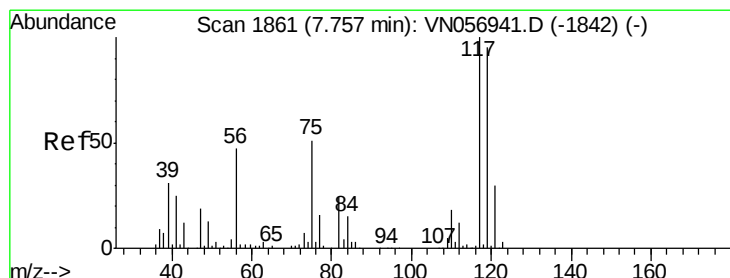
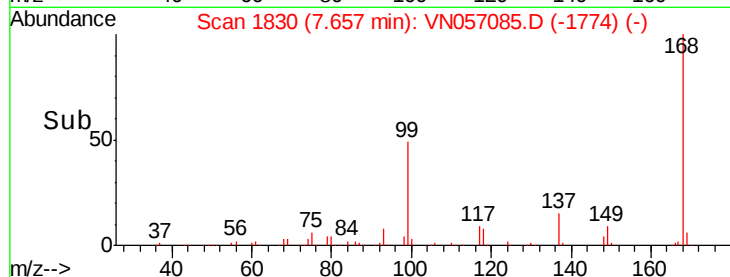
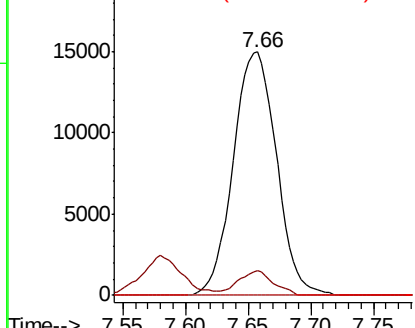
#36
 1,1-Dichloropropene
 Concen: 4.852 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.12 min
 Lab File: VN057085.D
 Acq: 5 Aug 2019 16:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	75	Resp	35917
Ion Ratio	Lower	Upper	
75	100		
110	8.1	18.6	55.8#
77	0.0	25.2	37.8#

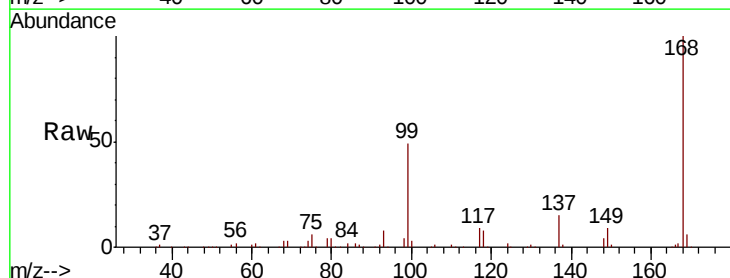


Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-1843) (-)
 Ion 109.90 (109.60 to 110.60): VN056941.D (-1843) (-)
 Ion 76.90 (76.60 to 77.60): VN056941.D (-1843) (-)

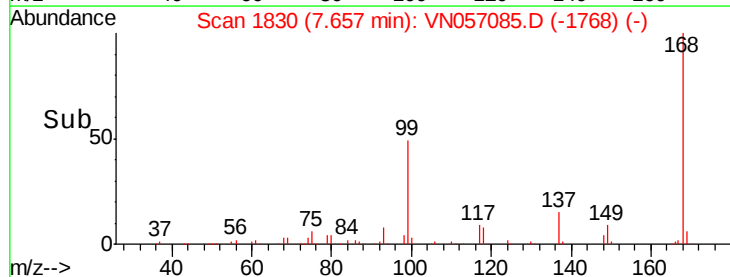
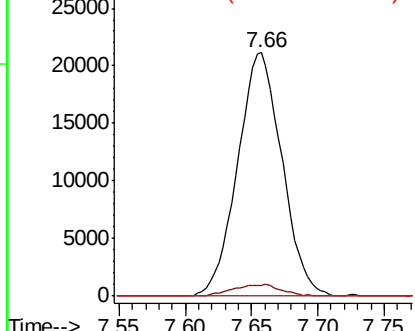


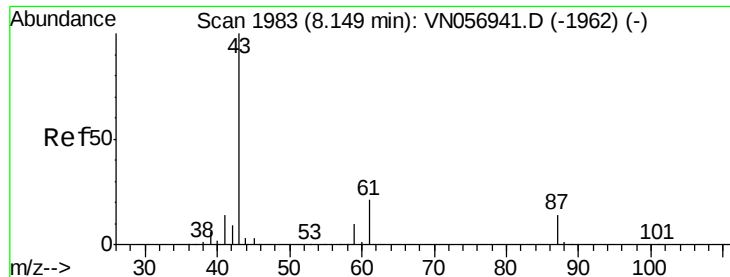
#38
 Carbon Tetrachloride
 Concen: 7.026 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.10 min
 Lab File: VN057085.D
 Acq: 5 Aug 2019 16:25

Tgt Ion	117	Resp	49192
Ion Ratio	Lower	Upper	
117	100		
119	4.5	75.3	112.9#
121	0.0	24.2	36.4#



Abundance Ion 116.80 (116.50 to 117.50): VN056941.D (-1842) (-)
 Ion 118.80 (118.50 to 119.50): VN056941.D (-1842) (-)
 Ion 120.80 (120.50 to 121.50): VN056941.D (-1842) (-)





#43

Isopropyl Acetate

Concen: 3.063 ug/l

RT: 8.17 min Scan# 1991

Delta R.T. 0.03 min

Lab File: VN057085.D

Acq: 5 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampleId :

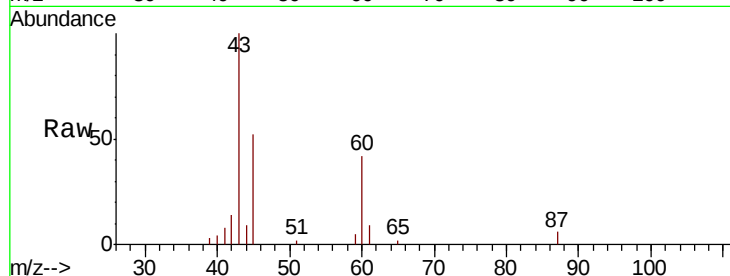
Tot Ion: 43 Resp: 30010

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

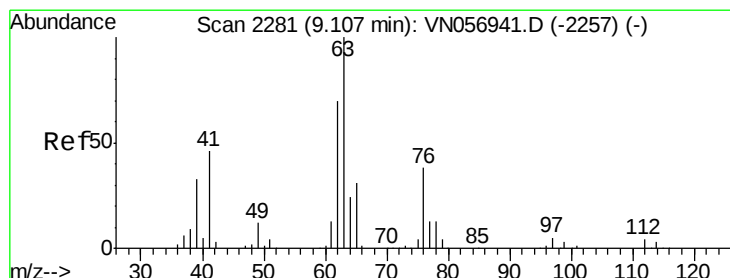
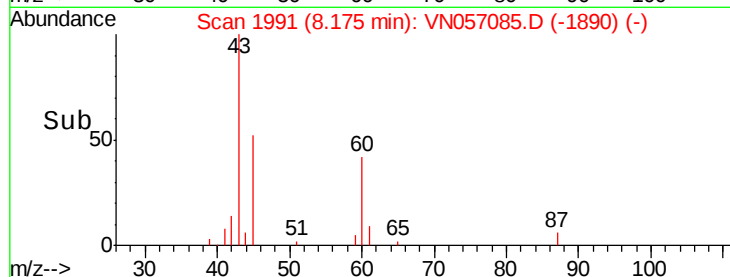
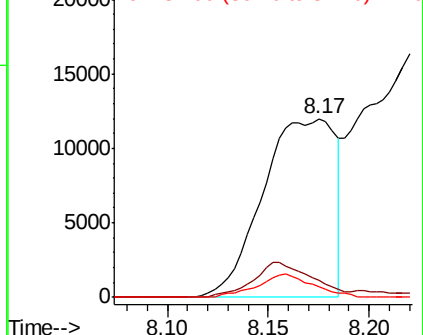
87 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#45

1,2-Dichloropropane

Concen: 0.204 ug/l

RT: 9.26 min Scan# 2330

Delta R.T. 0.16 min

Lab File: VN057085.D

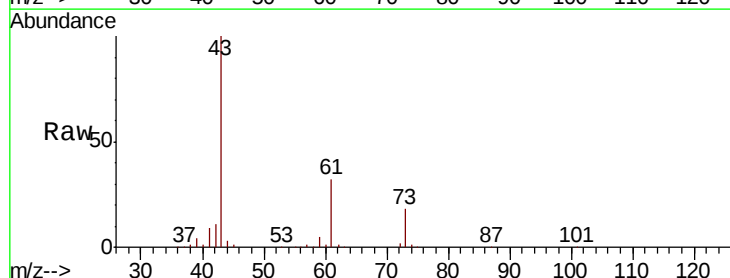
Acq: 5 Aug 2019 16:25

Tgt Ion: 63 Resp: 1241

Ion Ratio Lower Upper

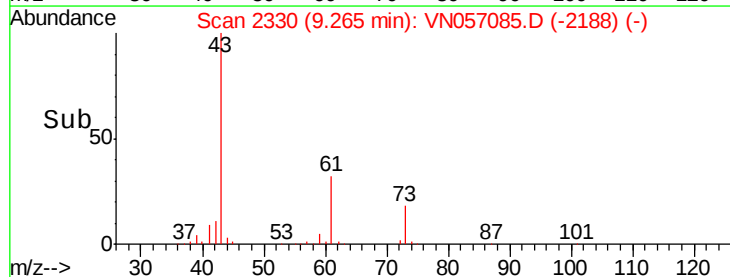
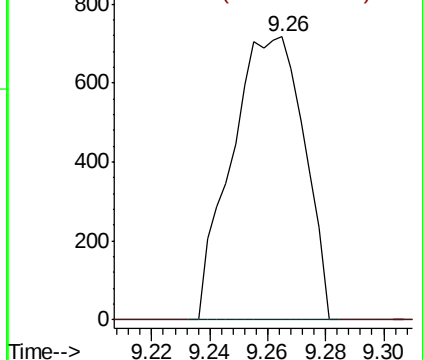
63 100

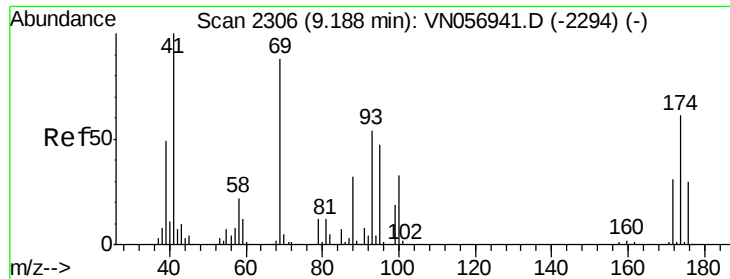
65 0.0 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN056941.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN056941.D (-2257) (-)

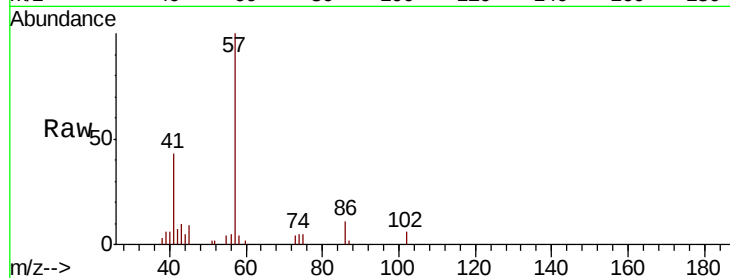




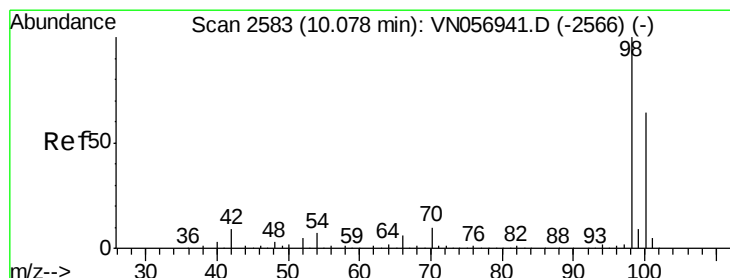
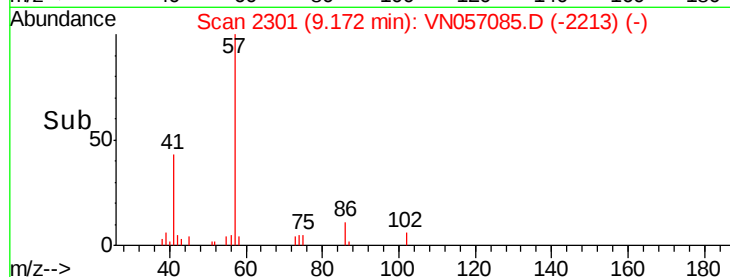
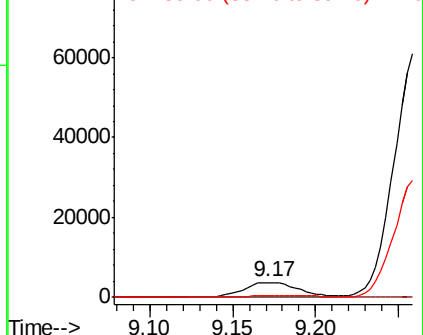
#48
Methvl methacrylate
Concen: 1.832 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 8668
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.0#
39 0.0 39.9 59.9#

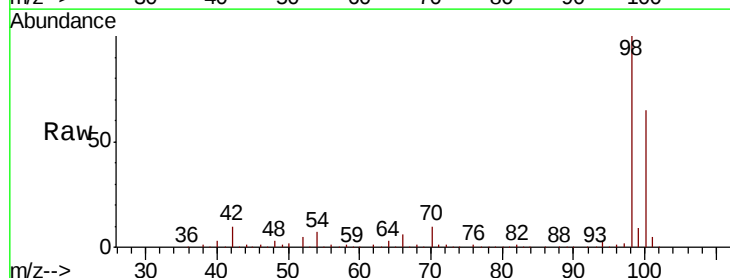


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

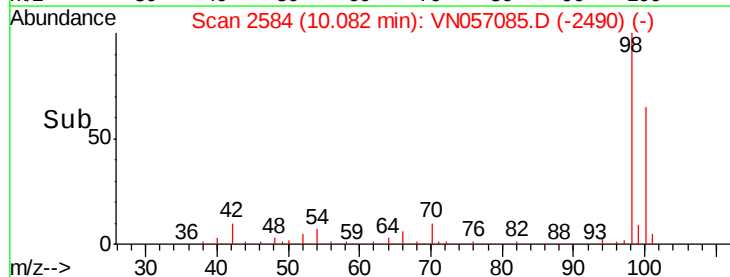
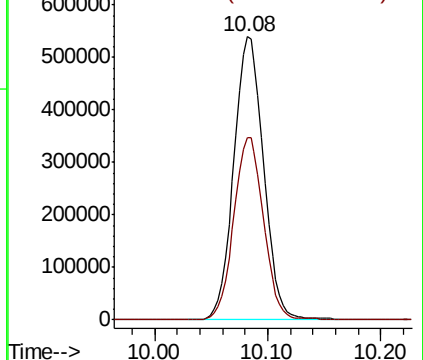


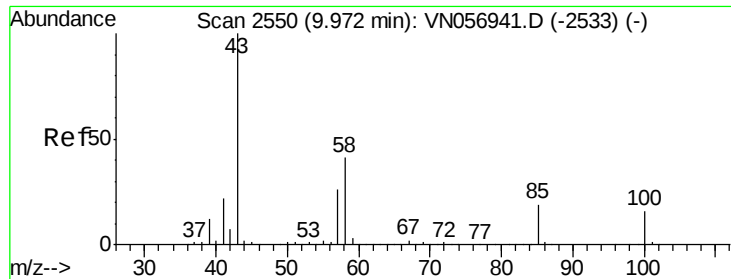
#50
Toluene-d8
Concen: 48.258 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion: 98 Resp: 991004
Ion Ratio Lower Upper
98 100
100 64.7 51.3 76.9



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

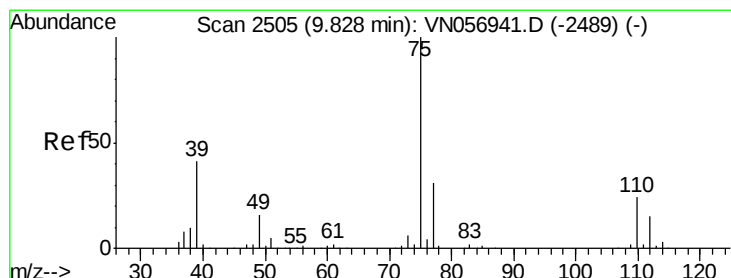
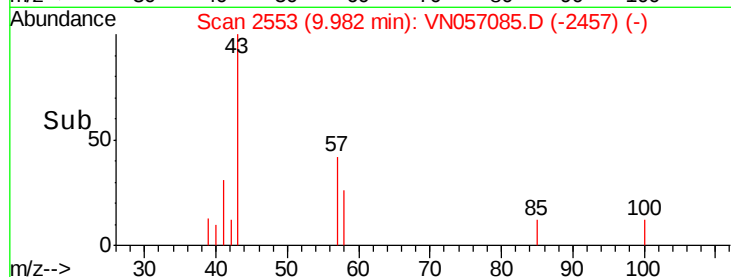
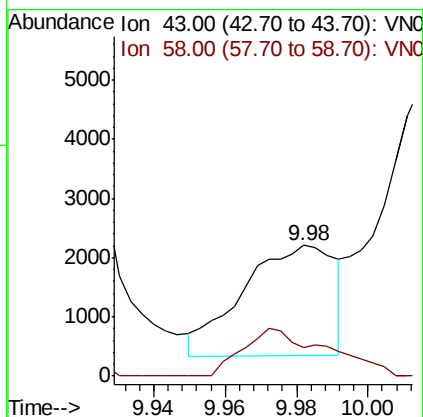
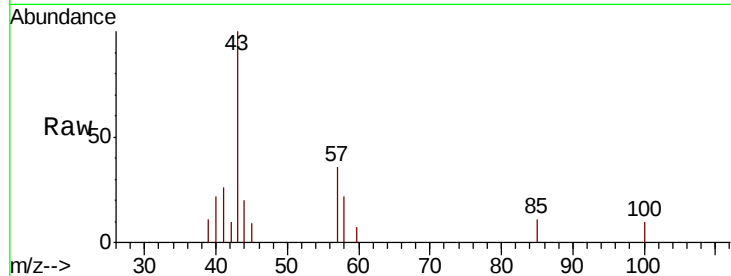




#51
4-Methyl-2-Pentanone
Concen: 0.569 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

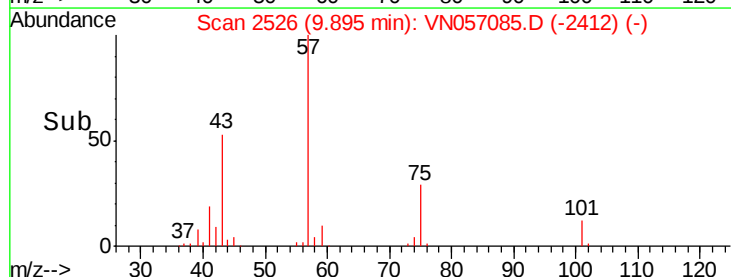
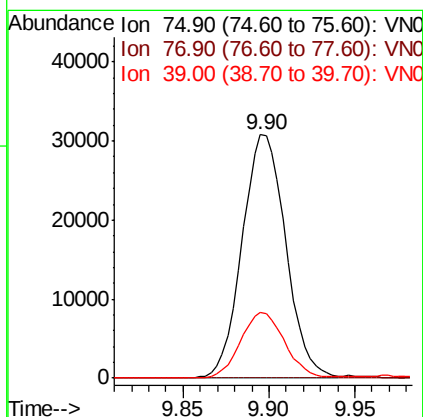
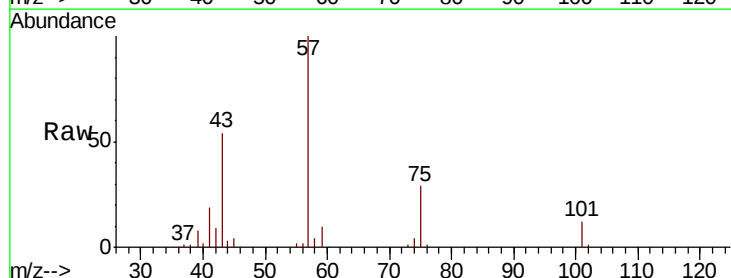
Instrument :
MSVOA_N
ClientSampled :

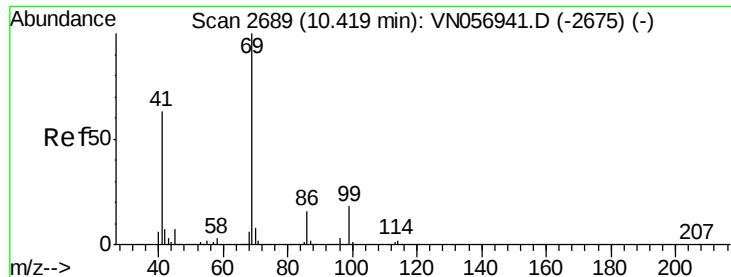
Tot Ion: 43 Resp: 3310
Ion Ratio Lower Upper
43 100
58 39.9 33.1 49.7



#54
cis-1,3-Dichloropropene
Concen: 6.228 ug/l
RT: 9.90 min Scan# 2526
Delta R.T. 0.07 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion: 75 Resp: 54330
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 26.8 32.6 49.0#





#56

Ethyl methacrylate

Concen: 1.868 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. 0.11 min

Lab File: VN057085.D

Acq: 5 Aug 2019 16:25

Instrument :

MSVOA_N

ClientSampled :

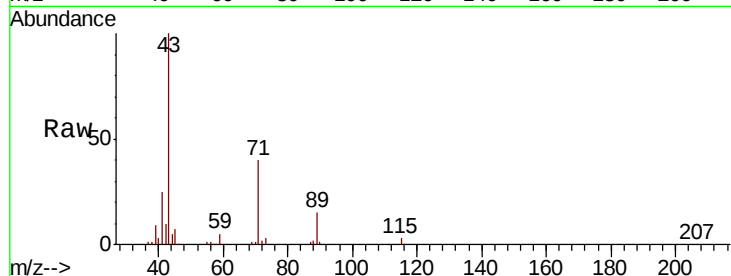
Tot Ion: 69 Resp: 923

Ion Ratio Lower Upper

69 100

41 3793.4 49.2 73.8#

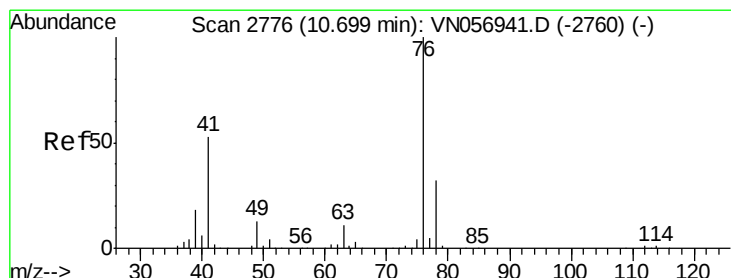
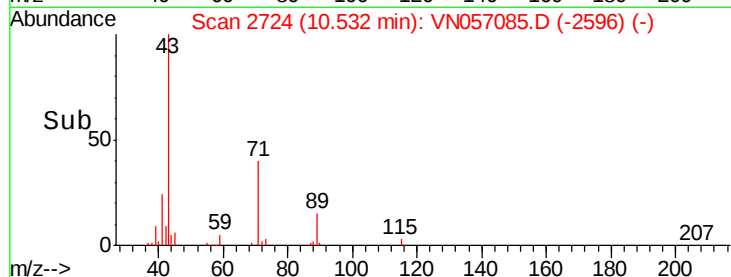
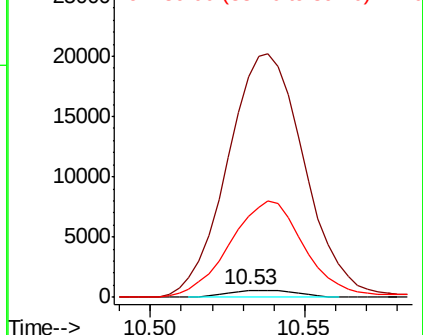
39 1486.2 23.1 34.7#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.182 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN057085.D

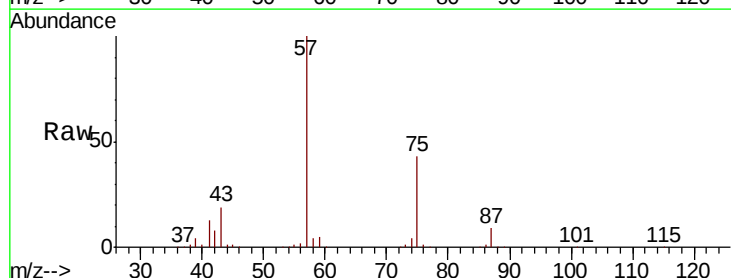
Acq: 5 Aug 2019 16:25

Tgt Ion: 76 Resp: 10769

Ion Ratio Lower Upper

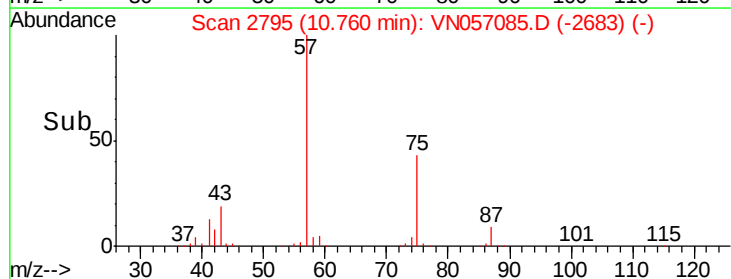
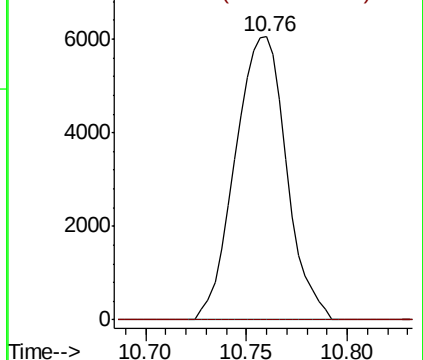
76 100

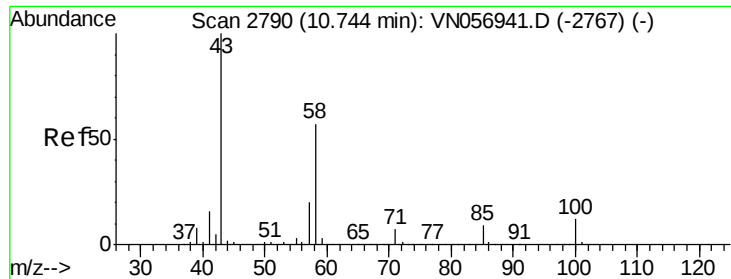
78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

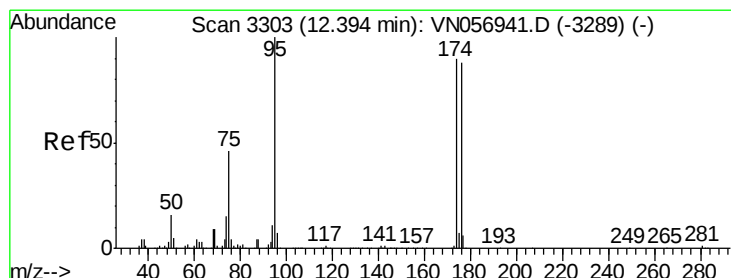
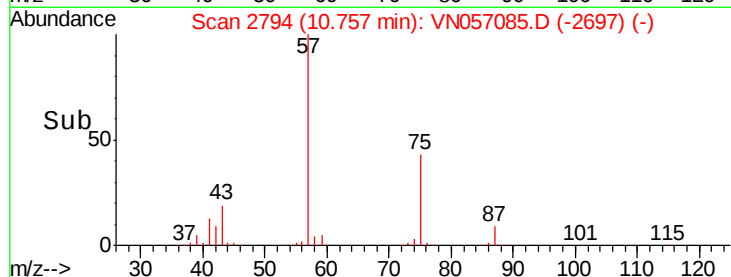
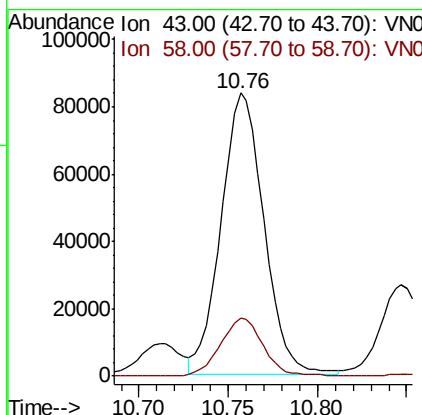
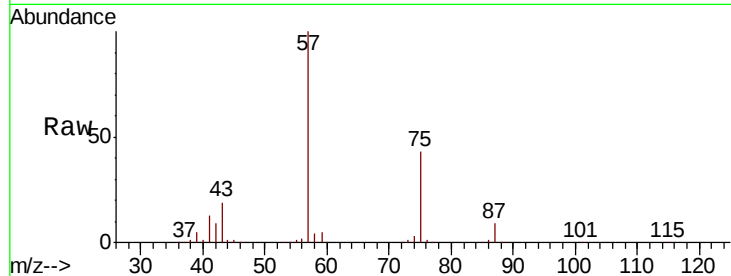




#59
2-Hexanone
Concen: 33.171 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

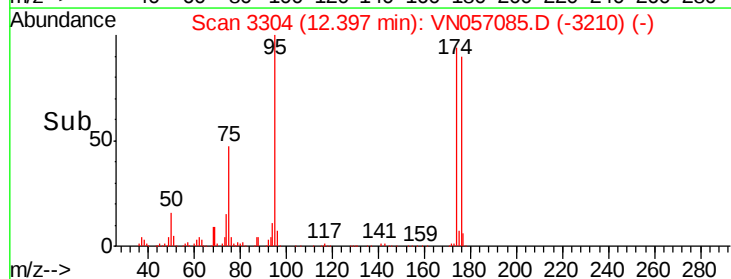
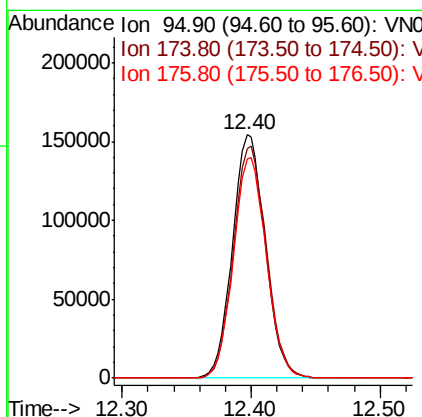
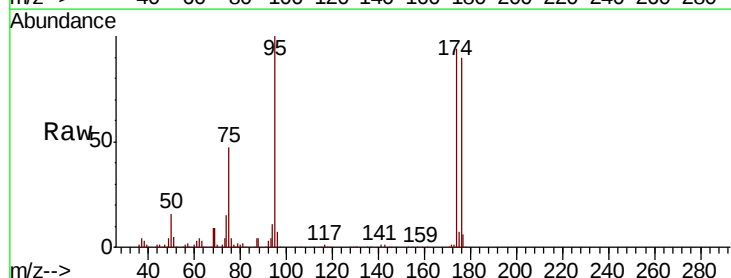
Instrument :
MSVOA_N
ClientSampled :

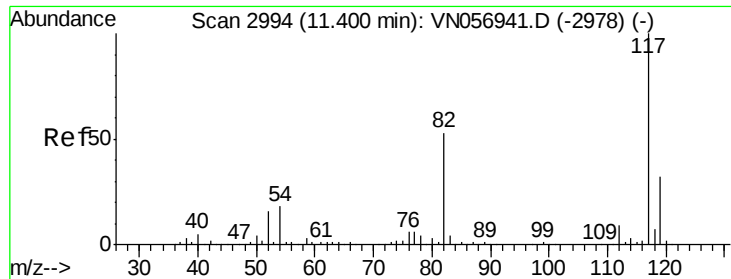
Tot Ion: 43 Resp: 138901
Ion Ratio Lower Upper
43 100
58 20.7 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 40.649 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion: 95 Resp: 271749
Ion Ratio Lower Upper
95 100
174 96.0 0.0 182.2
176 91.4 0.0 179.4

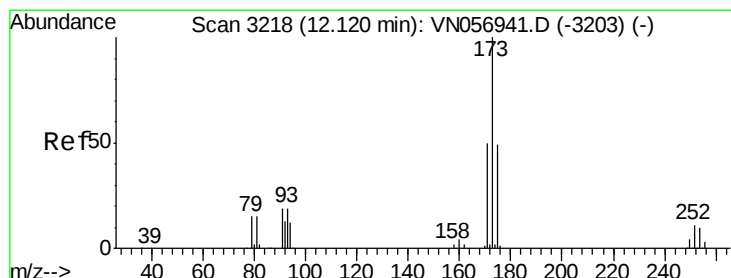
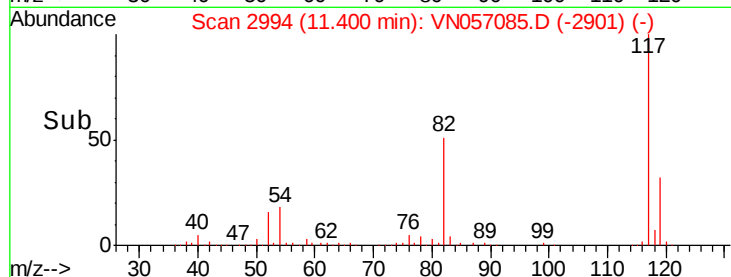
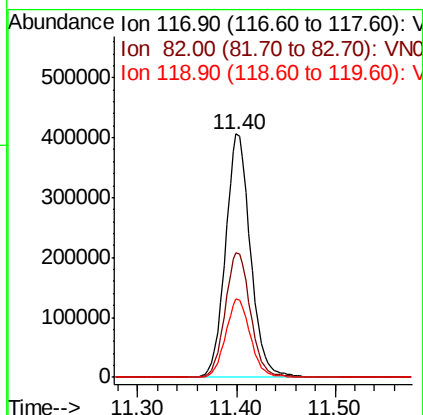
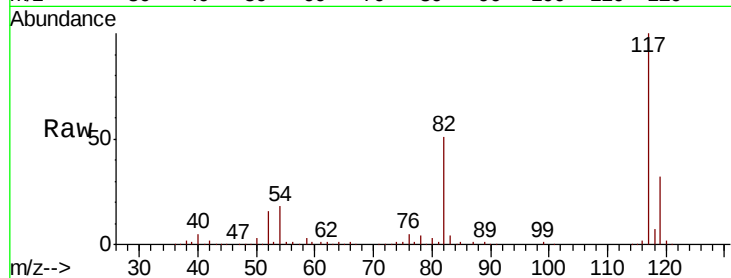




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

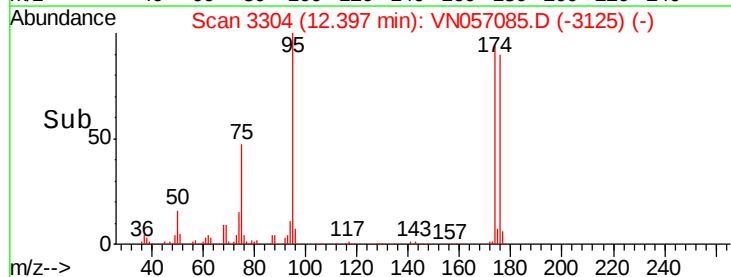
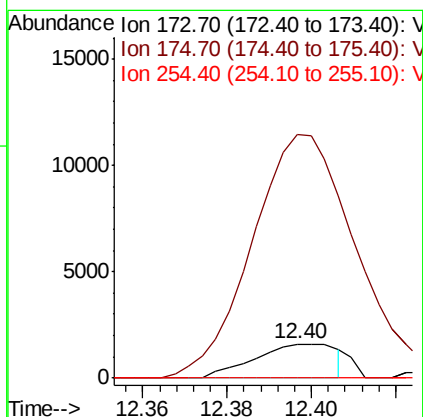
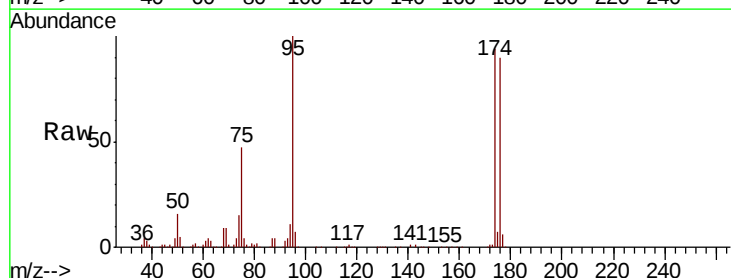
Instrument :
MSVOA_N
ClientSampleId :

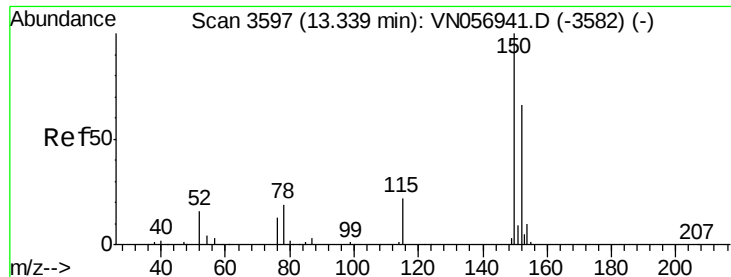
Tot Ion:117 Resp: 720287
Ion Ratio Lower Upper
117 100
82 51.3 42.2 63.4
119 32.1 25.8 38.6



#71
Bromoform
Concen: 0.562 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion:173 Resp: 2168
Ion Ratio Lower Upper
173 100
175 714.7 24.1 72.4#
254 0.0 0.1 0.1#



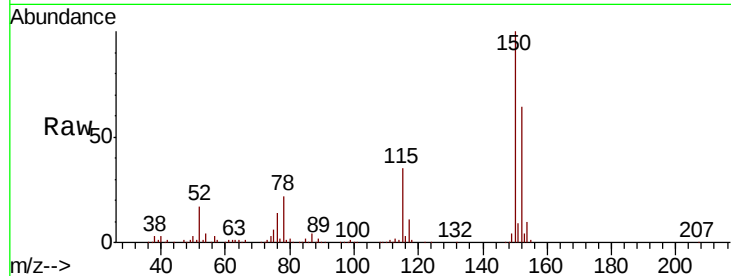


#72

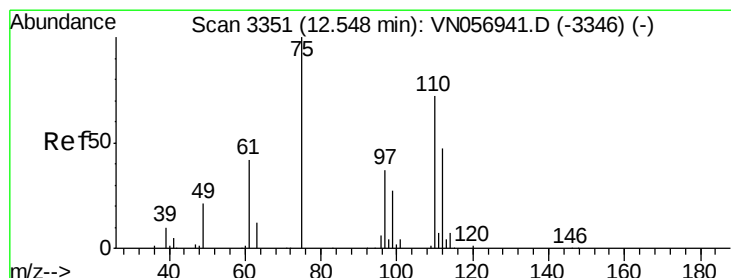
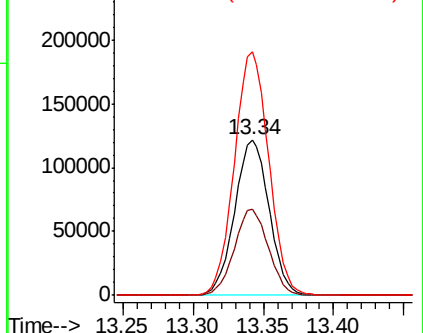
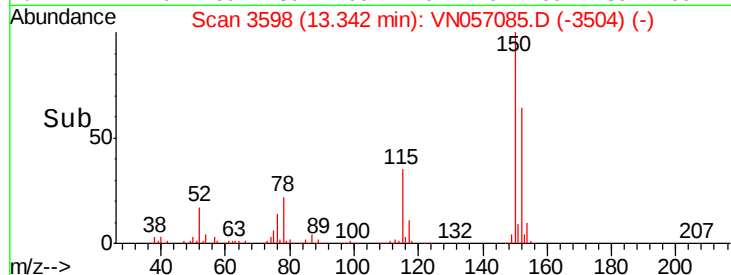
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 208345
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.6
150 156.3 0.0 349.4



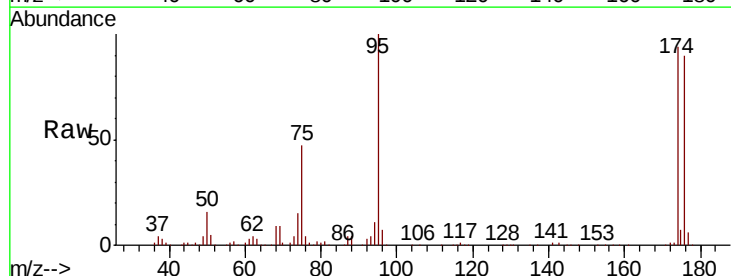
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



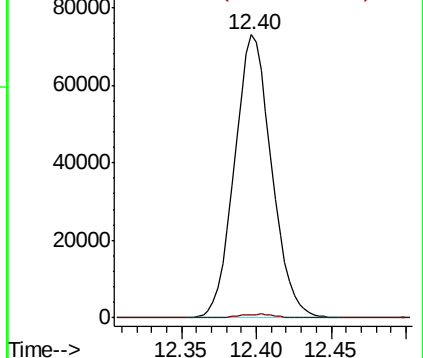
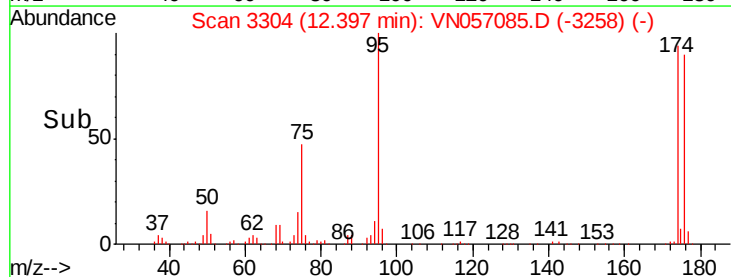
#76

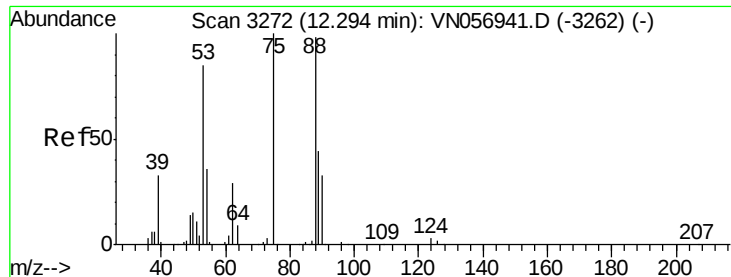
1,2,3-Trichloropropane
Concen: 29.730 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion: 75 Resp: 125792
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



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

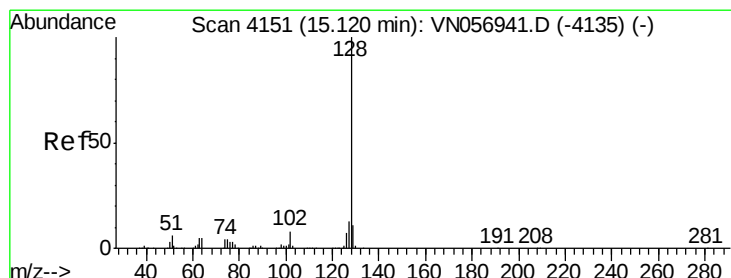
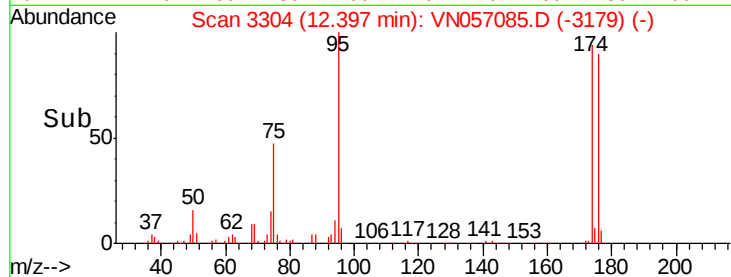
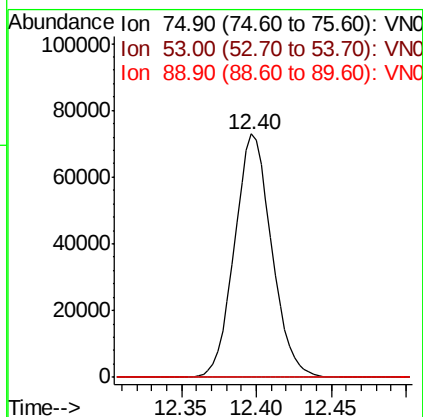
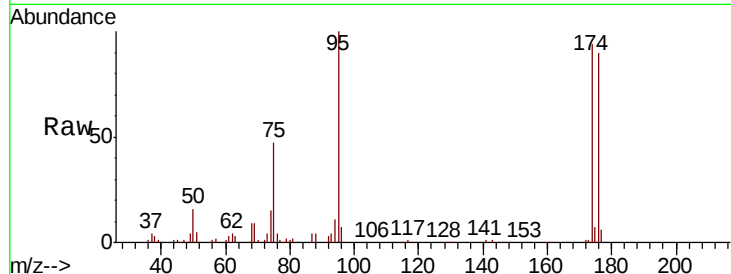




#81
trans-1,4-Dichloro-2-butene
Concen: 95.522 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 125792
Ion Ratio Lower Upper
75 100
53 0.0 69.3 103.9#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 3.616 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. 0.00 min
Lab File: VN057085.D
Acq: 5 Aug 2019 16:25

Tgt Ion: 128 Resp: 271
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

