

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060855.D
 Acq On : 6 Apr 2020 16:43
 Operator : JC/MD
 Sample : L2132-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T-1

Quant Time: Apr 07 07:05:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198640	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	329604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	127539	46.77	ug/l	0.00
Spiked Amount			Recovery	=	93.54%	
35) Dibromofluoromethane	7.56	113	97659	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	10.08	98	406791	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.40	95	149424	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

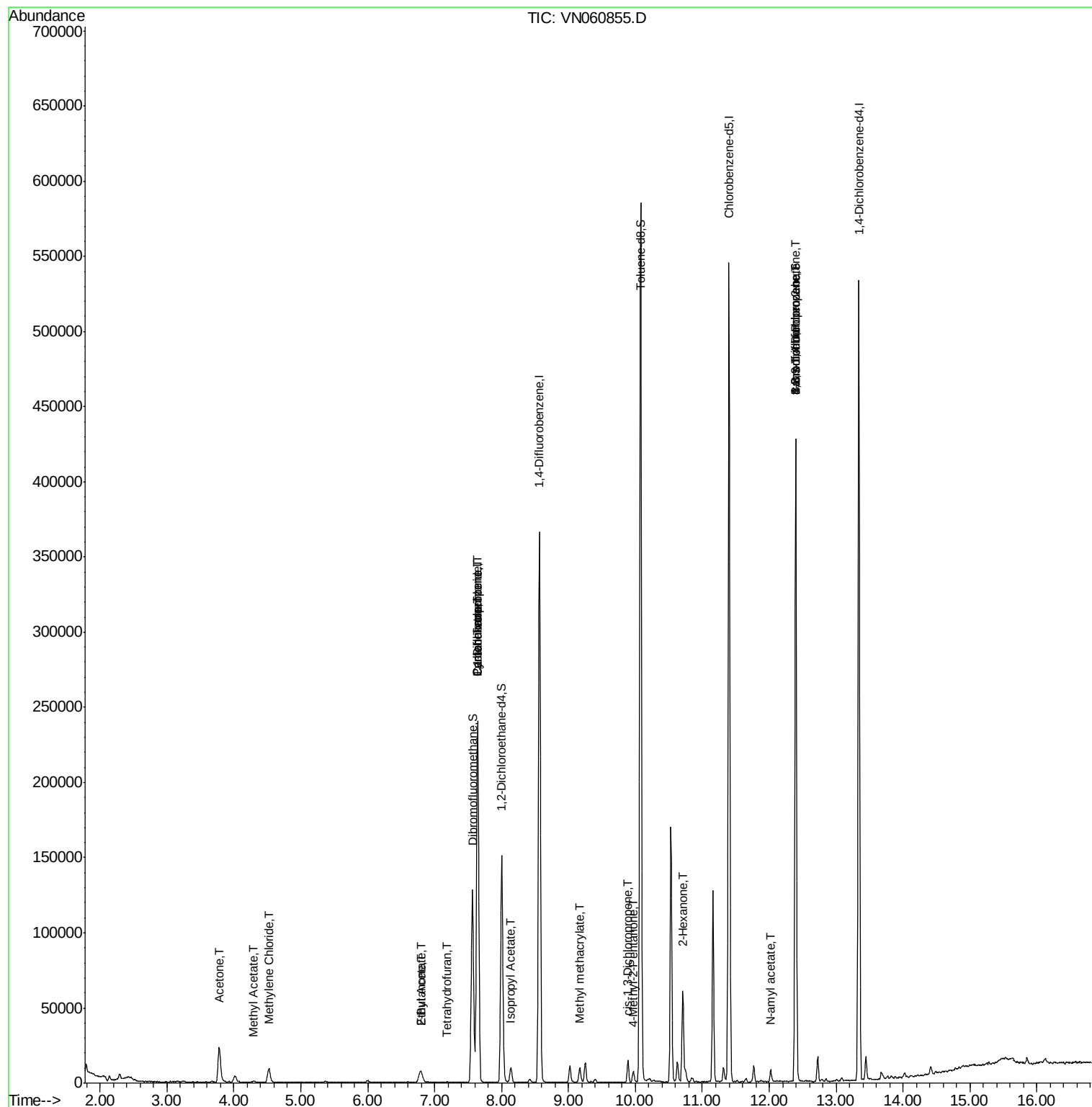
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	40970	42.416	ug/l	98
18) Methyl Acetate	4.28	43	826	0.304	ug/l #	54
20) Methylene Chloride	4.53	84	7299	3.072	ug/l	93
25) 2-Butanone	6.80	43	11894	7.610	ug/l	94
29) Tetrahydrofuran	7.19	42	345	0.312	ug/l #	35
31) Cyclohexane	7.64	56	4080	0.929	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15565	4.877	ug/l #	49
37) Ethyl Acetate	6.80	43	11894	3.449	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18691	6.534	ug/l #	16
43) Isopropyl Acetate	8.14	43	11648	2.048	ug/l #	89
48) Methyl methacrylate	9.16	41	3121	1.233	ug/l #	20
51) 4-Methyl-2-Pentanone	9.97	43	6008	1.856	ug/l	89
54) cis-1,3-Dichloropropene	9.89	75	2391	0.594	ug/l #	64
59) 2-Hexanone	10.71	43	56259	24.132	ug/l #	25
71) Bromoform	12.40	173	792	2.097	ug/l #	1
74) N-amyl acetate	12.02	43	6718	1.393	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	76211	25.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	76211	65.224	ug/l #	13

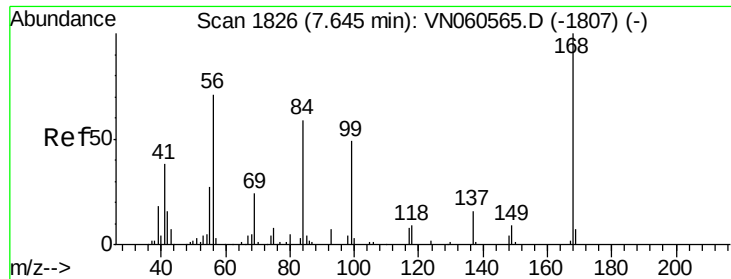
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

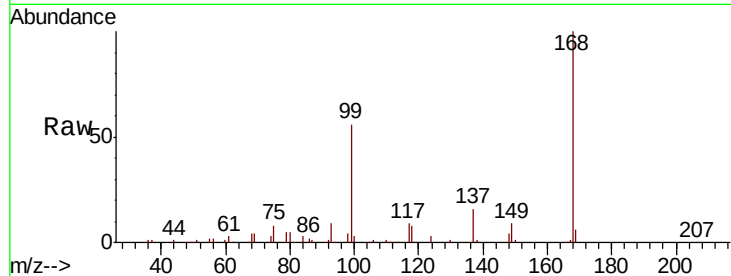
T-1

Tot Ion:168 Resp: 198640

Ion Ratio Lower Upper

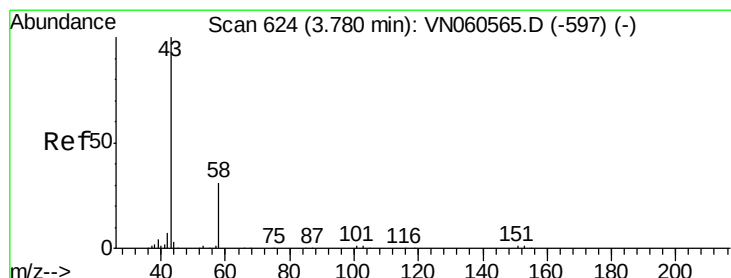
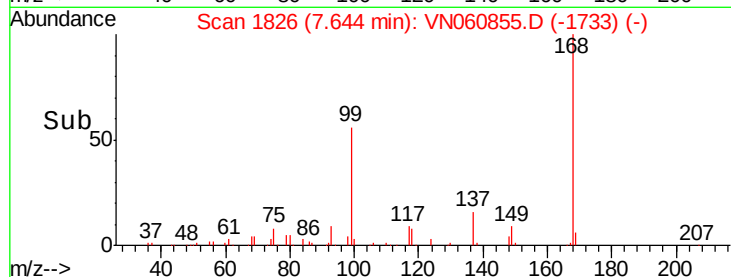
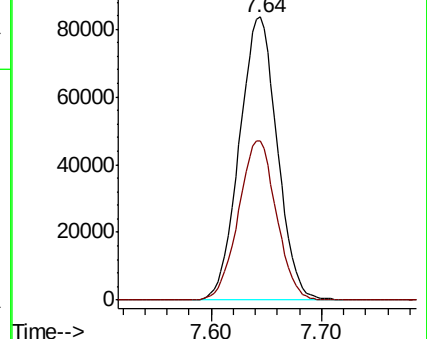
168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 42.416 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060855.D

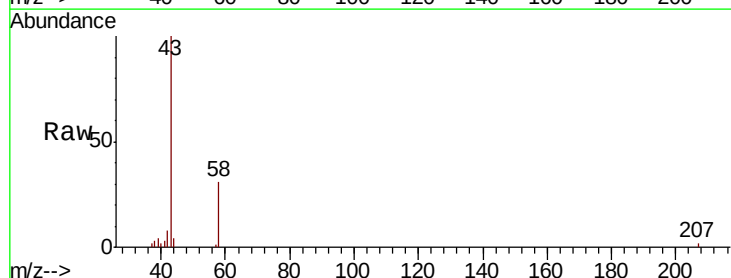
Acq: 6 Apr 2020 16:43

Tgt Ion: 43 Resp: 40970

Ion Ratio Lower Upper

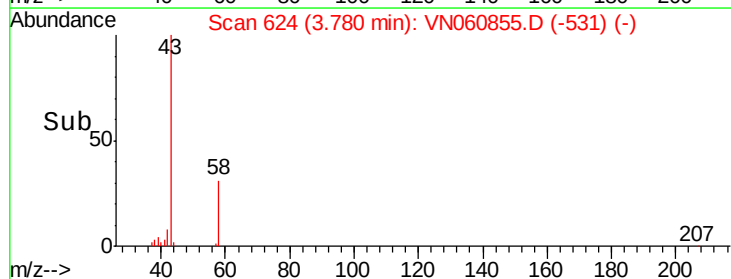
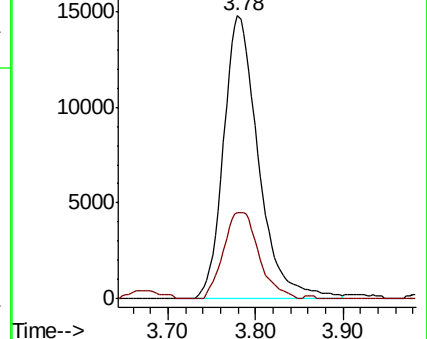
43 100

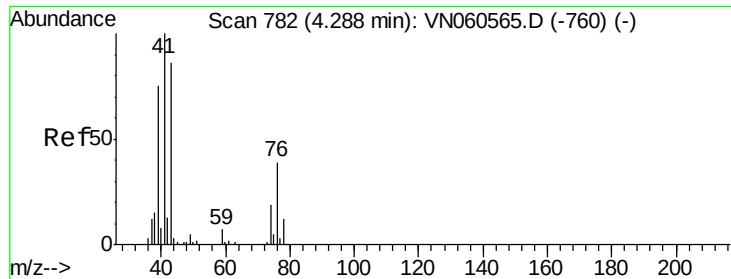
58 30.6 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

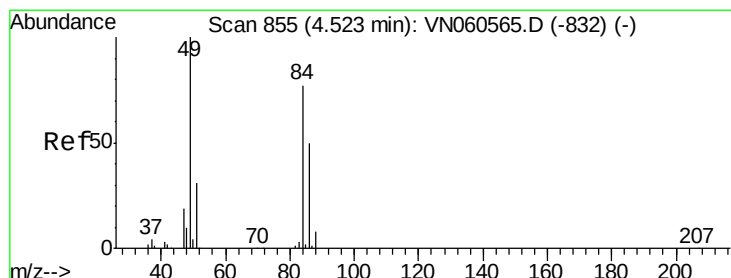
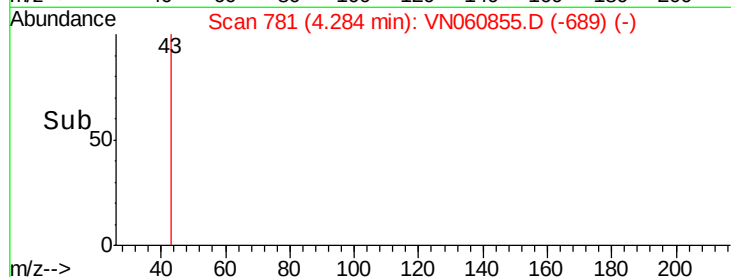
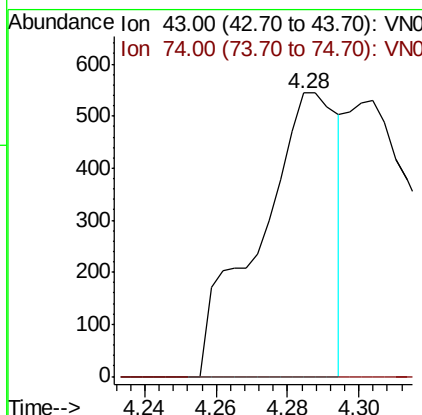
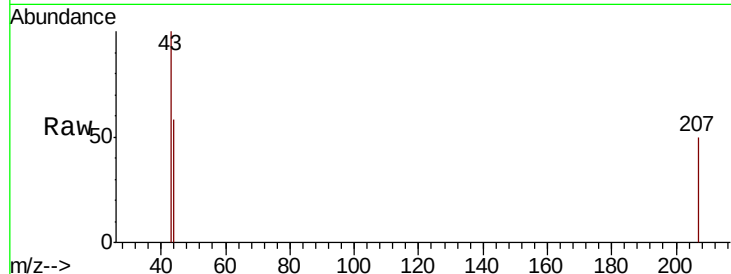




#18
Methvl Acetate
Concen: 0.304 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

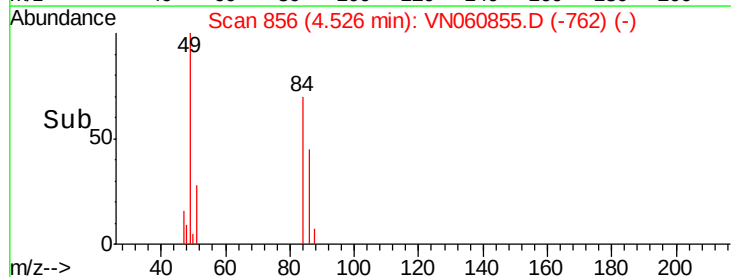
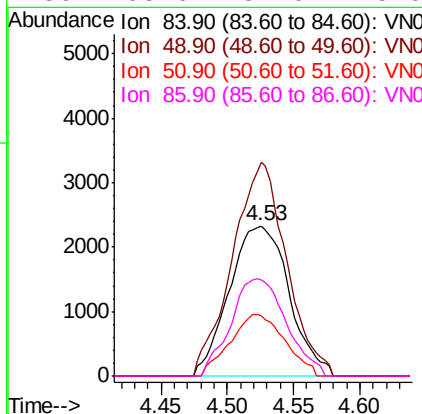
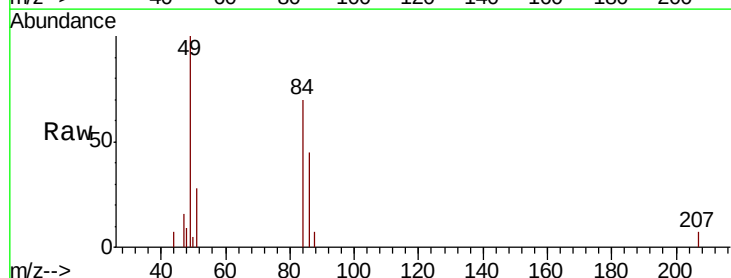
Instrument :
MSVOA_N
ClientSampled :
T-1

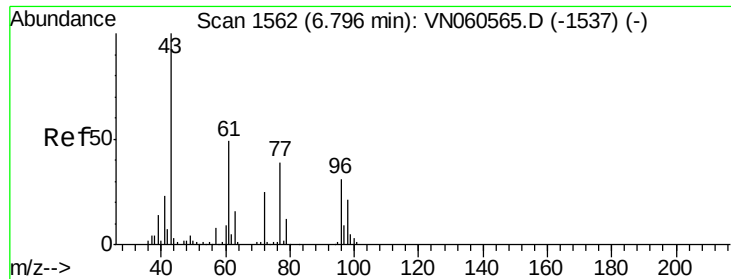
Tot Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 3.072 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Tgt Ion: 84 Resp: 7299
Ion Ratio Lower Upper
84 100
49 142.3 103.3 154.9
51 39.7 31.6 47.4
86 63.6 52.0 78.0





#25

2-Butanone

Concen: 7.610 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

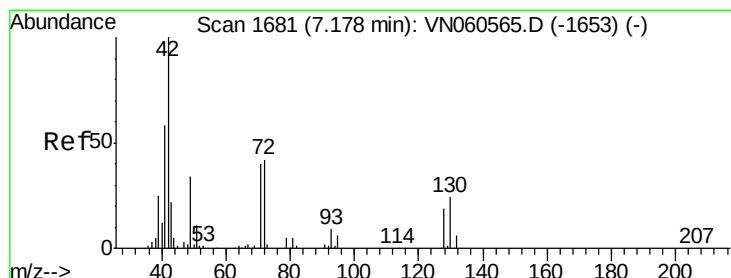
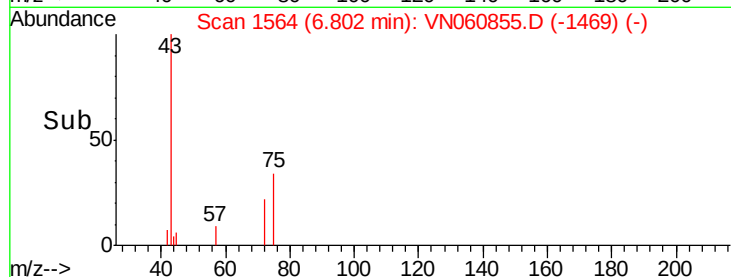
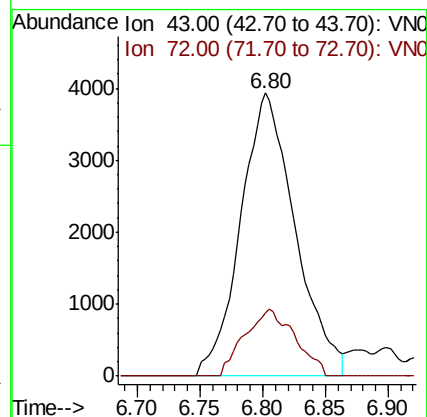
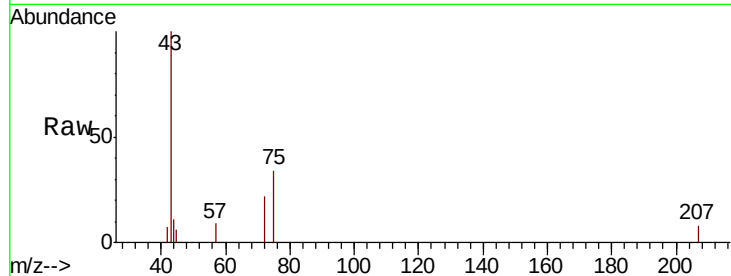
T-1

Tot Ion: 43 Resp: 11894

Ion Ratio Lower Upper

43 100

72 22.4 20.4 30.6



#29

Tetrahydrofuran

Concen: 0.312 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

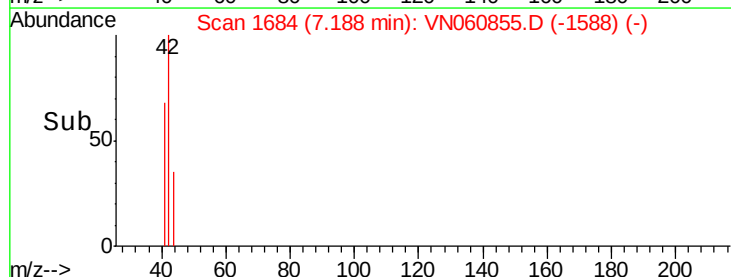
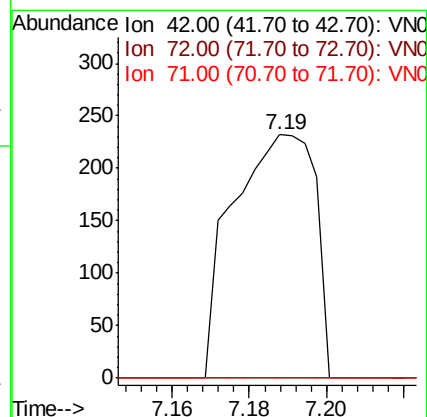
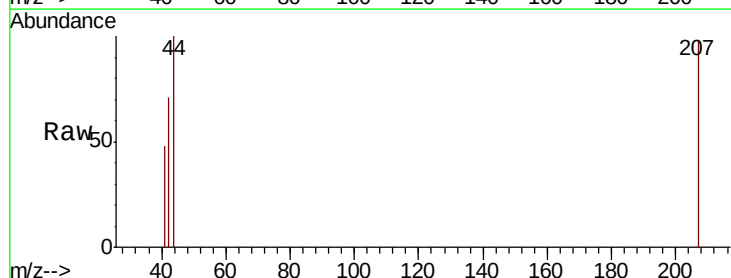
Tgt Ion: 42 Resp: 345

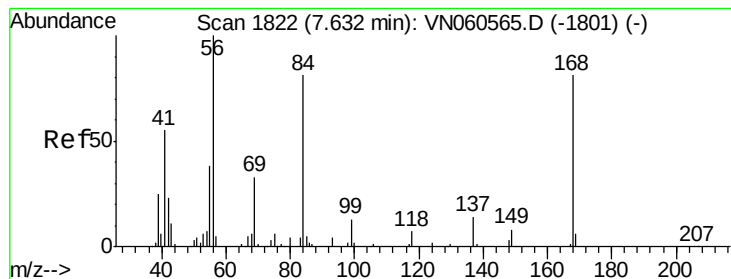
Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 0.0 31.1 46.7#





#31

Cyclohexane

Concen: 0.929 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

T-1

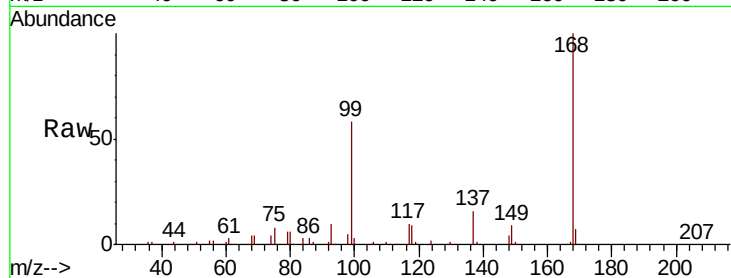
Tot Ion: 56 Resp: 4080

Ion Ratio Lower Upper

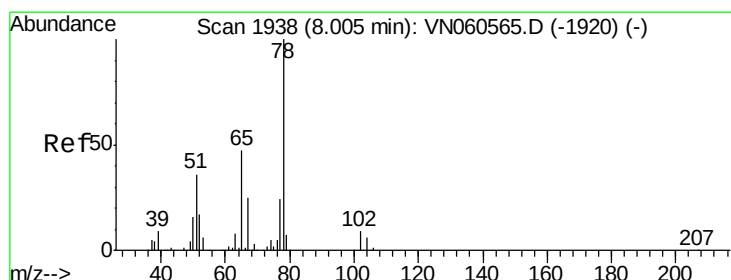
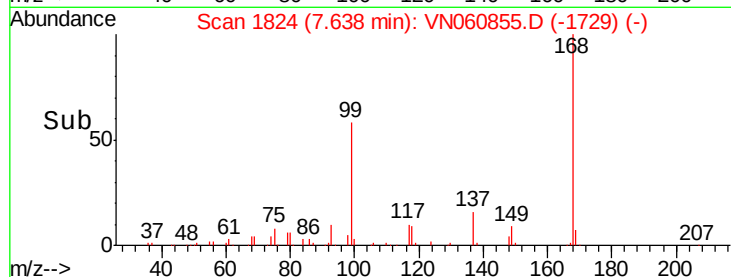
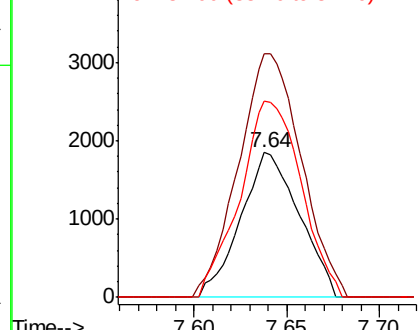
56 100

69 168.1 26.6 40.0#

84 135.8 64.3 96.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.771 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060855.D

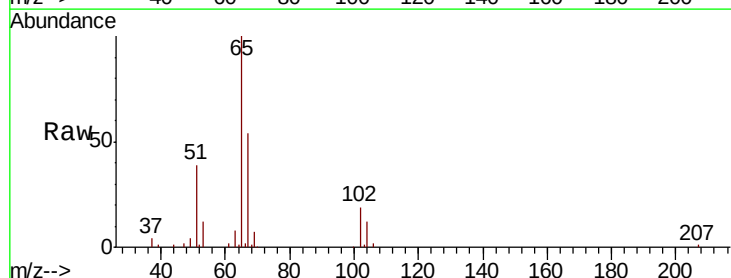
Acq: 6 Apr 2020 16:43

Tgt Ion: 65 Resp: 127539

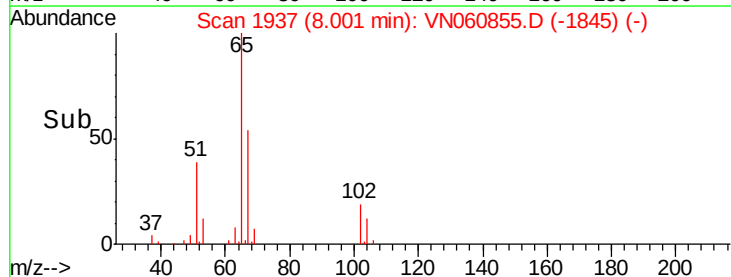
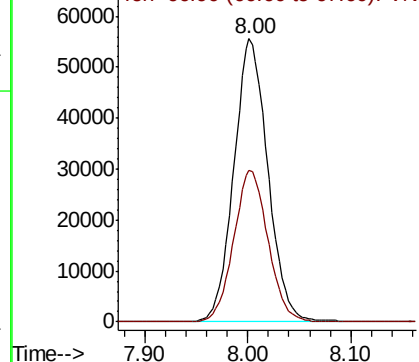
Ion Ratio Lower Upper

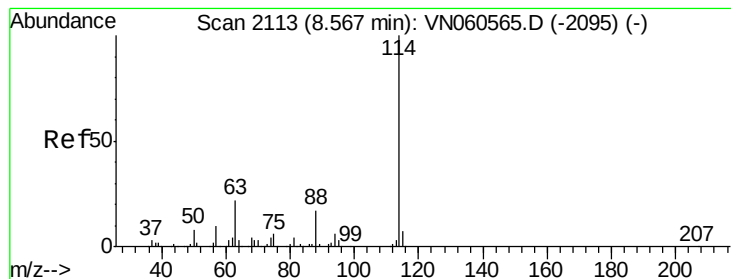
65 100

67 54.0 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

T-1

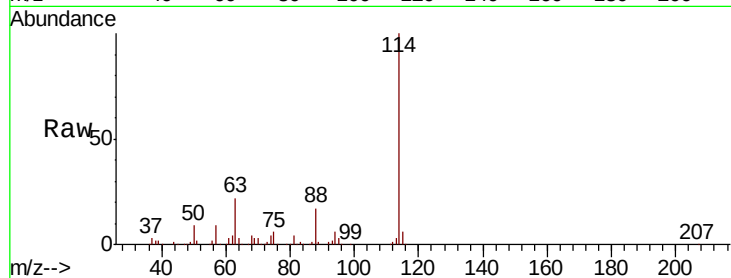
Tot Ion:114 Resp: 329604

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

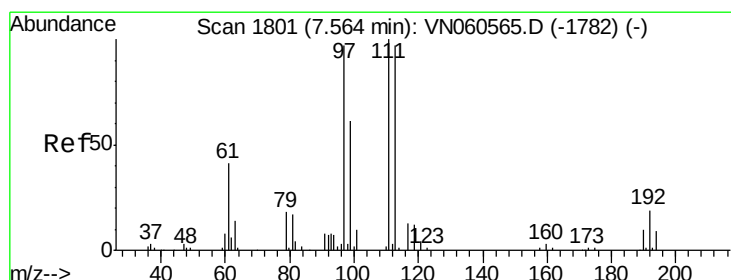
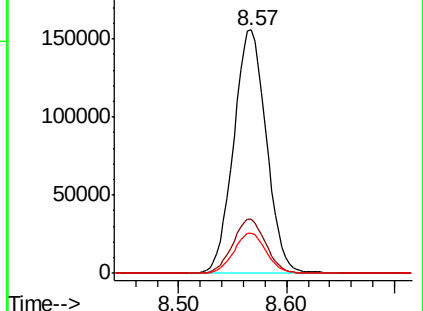
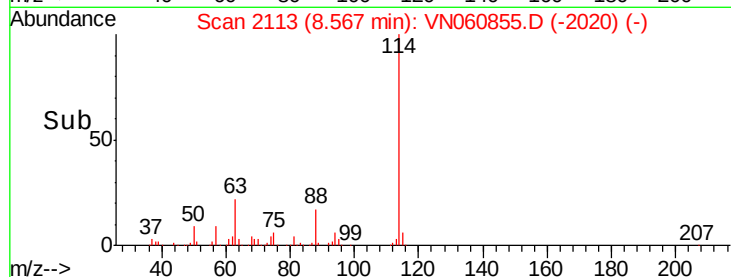
88 16.7 0.0 33.0



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: 49.001 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

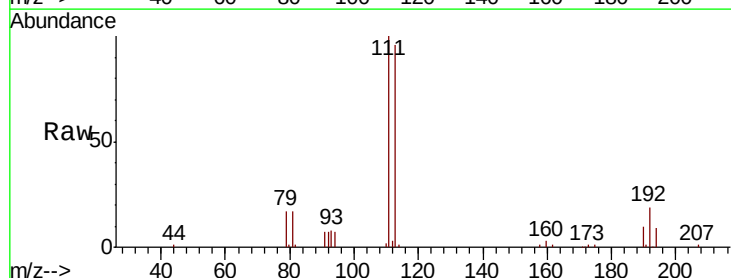
Tgt Ion:113 Resp: 97659

Ion Ratio Lower Upper

113 100

111 102.7 82.9 124.3

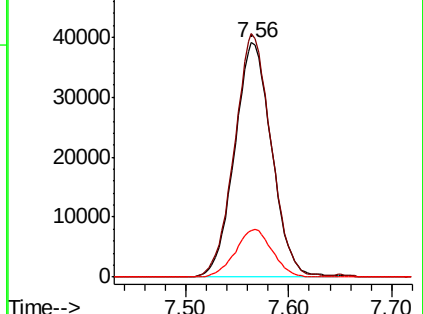
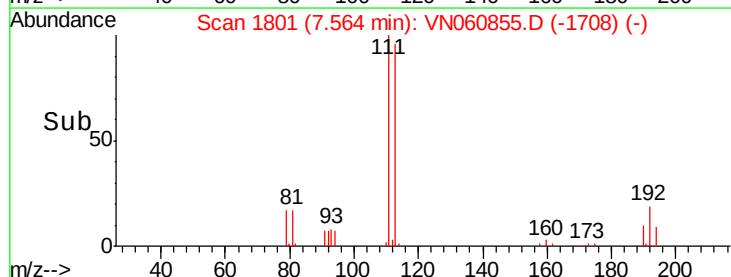
192 20.2 15.8 23.8

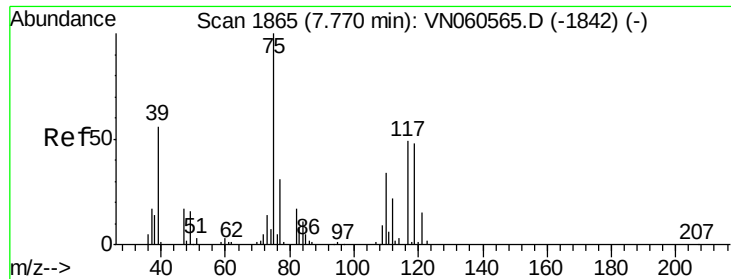


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

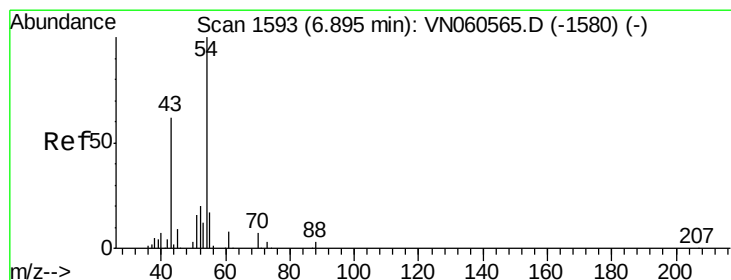
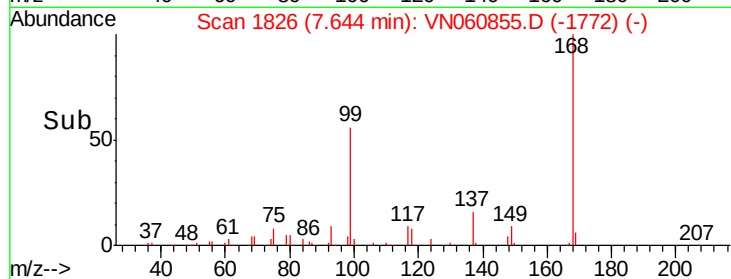
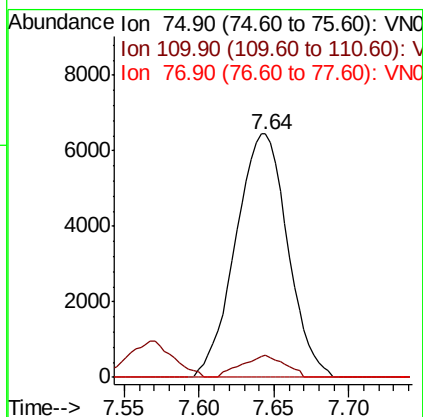
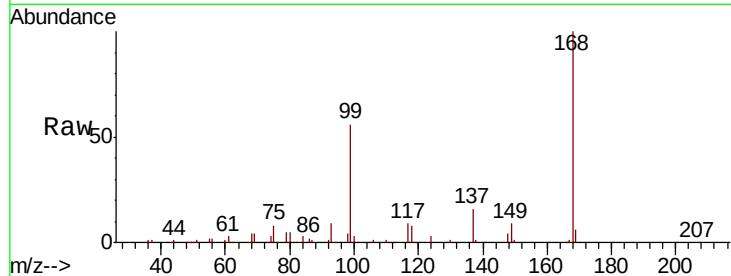




#36
 1,1-Dichloropropene
 Concen: 4.877 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060855.D
 Acq: 6 Apr 2020 16:43

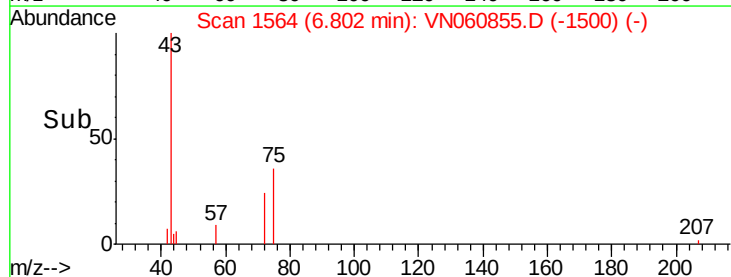
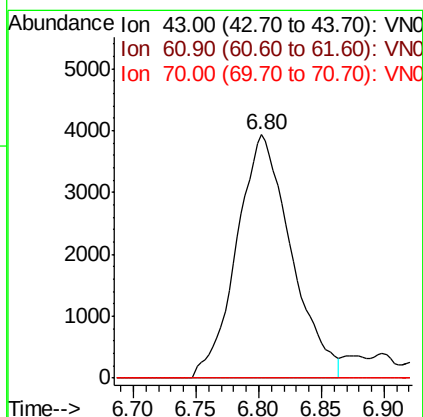
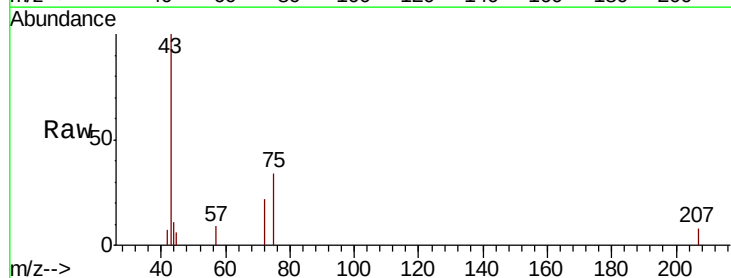
Instrument :
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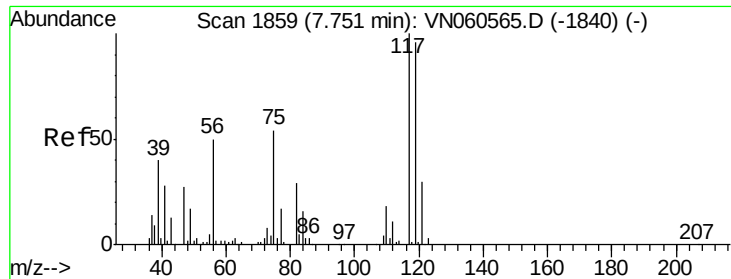
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.9	50.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 3.449 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.09 min
 Lab File: VN060855.D
 Acq: 6 Apr 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#

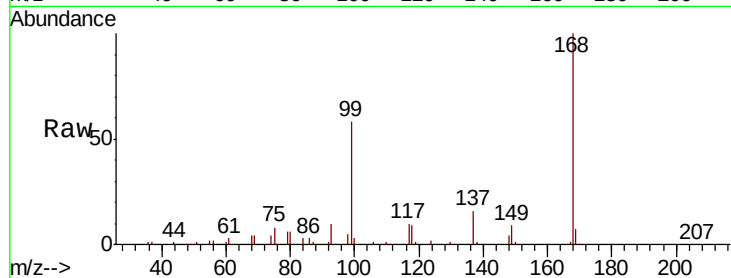




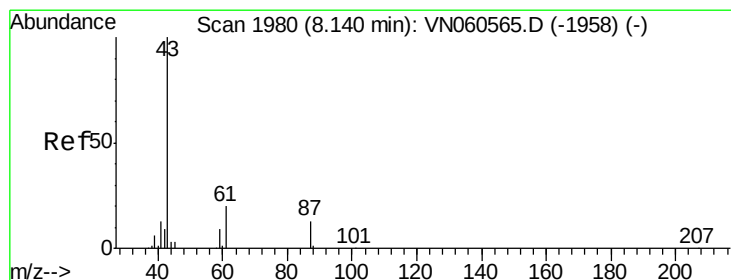
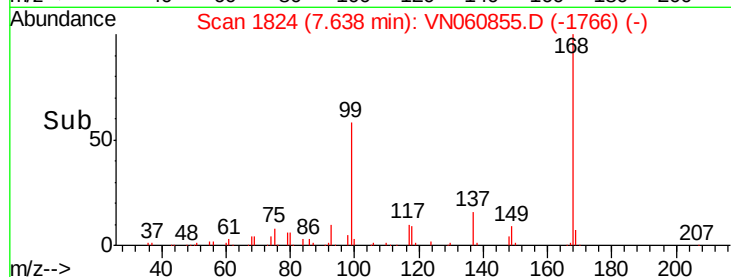
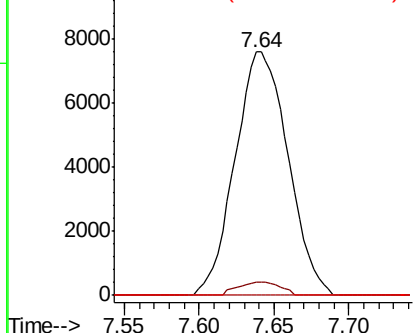
#38
Carbon Tetrachloride
Concen: 6.534 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
T-1

Tot Ion:117 Resp: 18691
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 23.7 35.5#

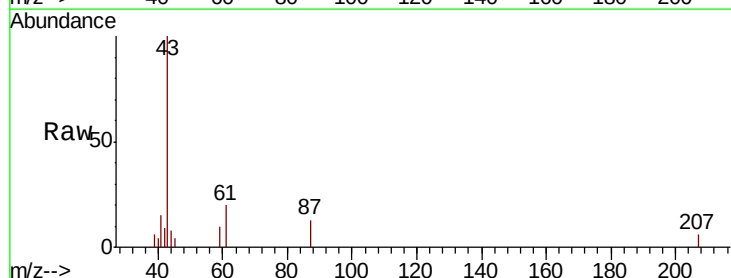


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

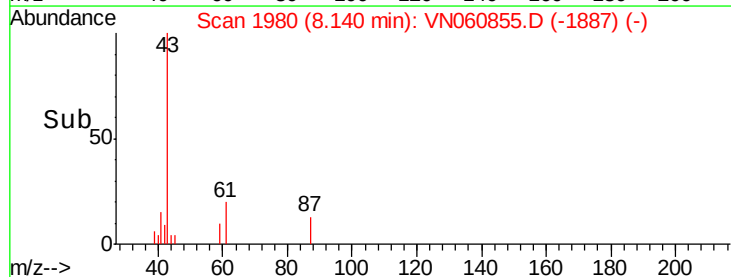
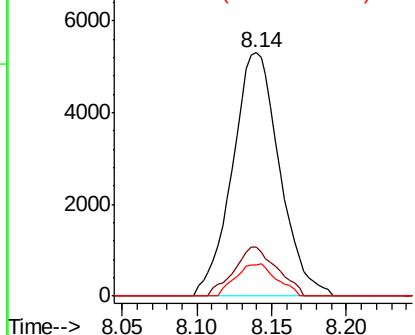


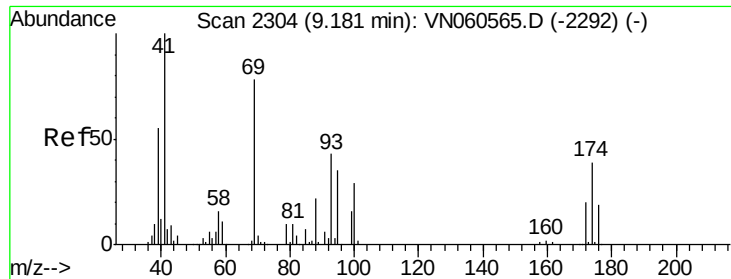
#43
Isopropyl Acetate
Concen: 2.048 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Tgt Ion: 43 Resp: 11648
Ion Ratio Lower Upper
43 100
61 18.3 20.7 31.1#
87 11.6 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

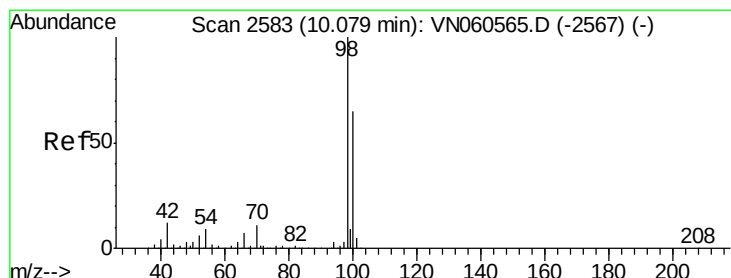
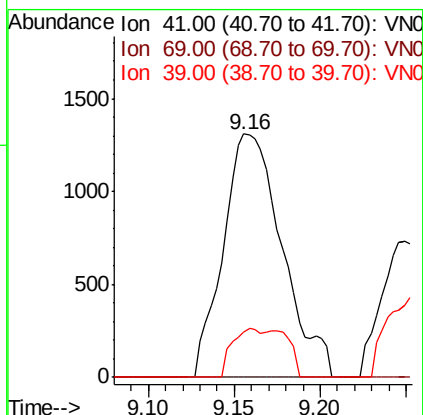
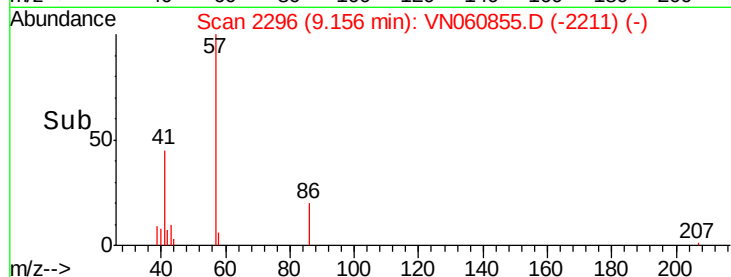
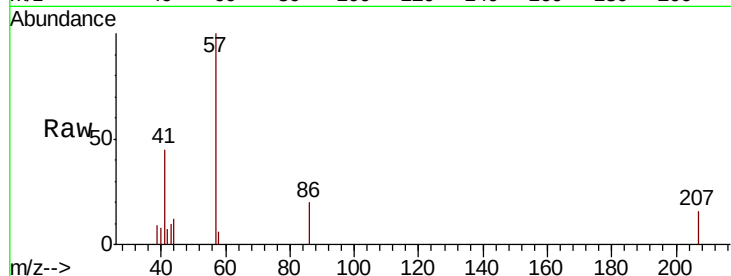




#48
Methvl methacrylate
Concen: 1.233 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

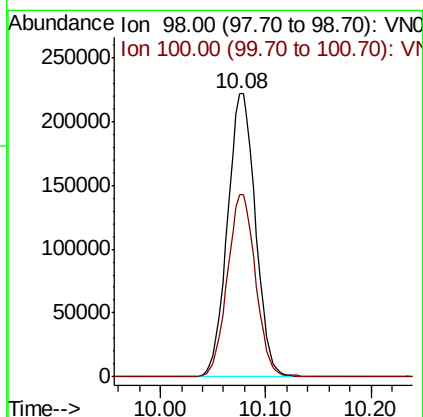
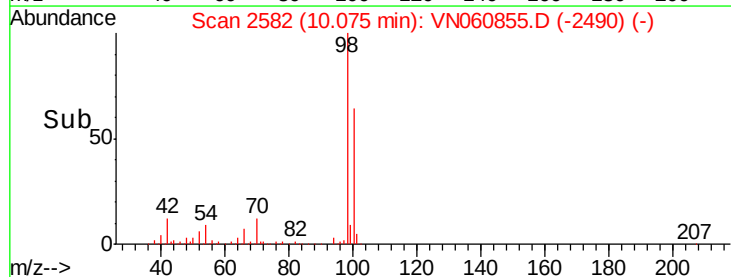
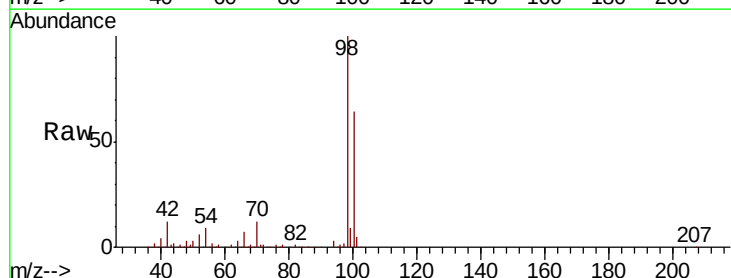
Instrument :
MSVOA_N
ClientSampleId :
T-1

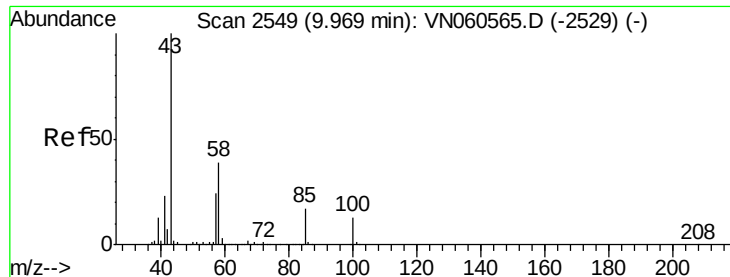
Tot Ion: 41 Resp: 3121
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 9.7 44.0 66.0#



#50
Toluene-d8
Concen: 49.970 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Tgt Ion: 98 Resp: 406791
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

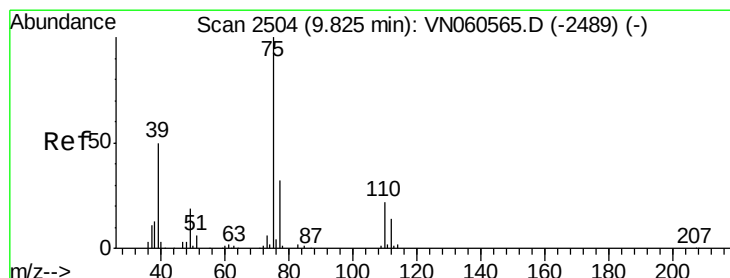
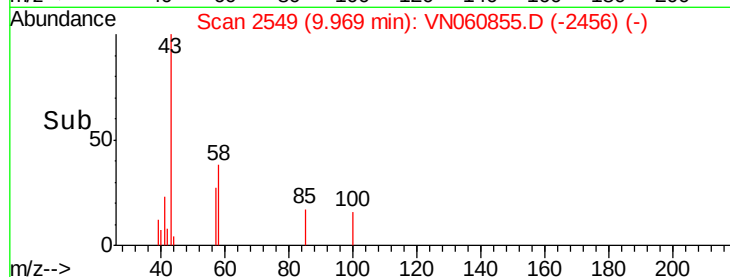
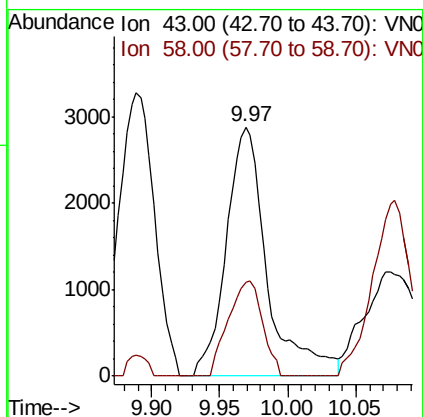
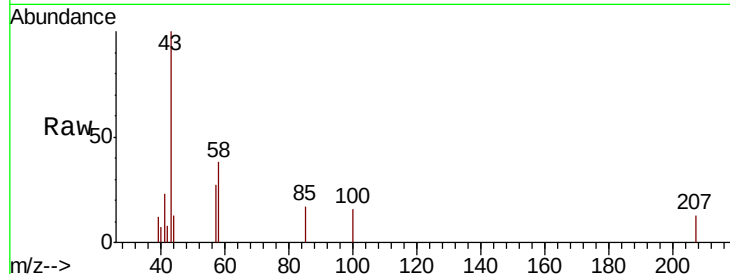




#51
 4-Methyl-2-Pentanone
 Concen: 1.856 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060855.D
 Acq: 6 Apr 2020 16:43

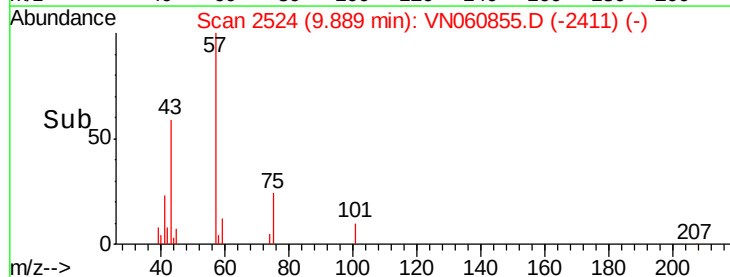
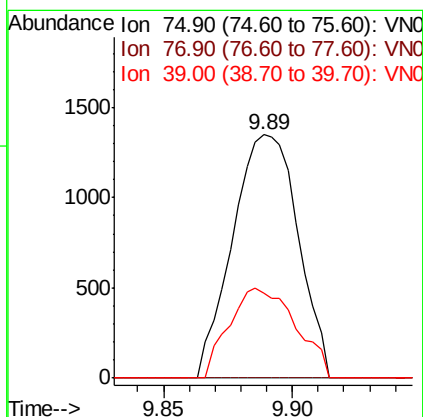
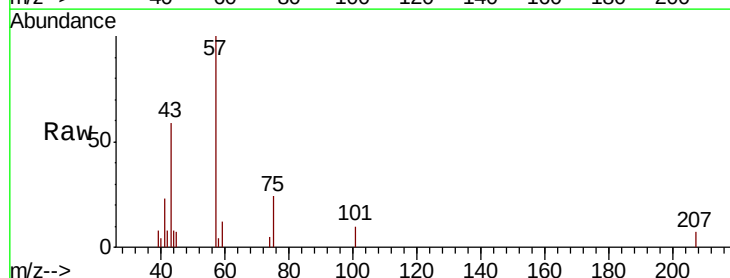
Instrument :
 MSVOA_N
 ClientSampled :
 T-1

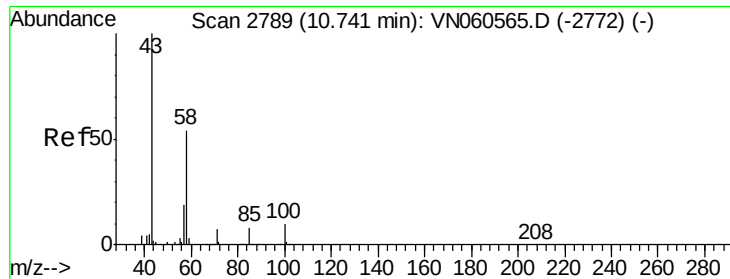
Tot Ion: 43 Resp: 6008
 Ion Ratio Lower Upper
 43 100
 58 31.8 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 0.594 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060855.D
 Acq: 6 Apr 2020 16:43

Tgt Ion: 75 Resp: 2391
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 34.8 40.2 60.4#

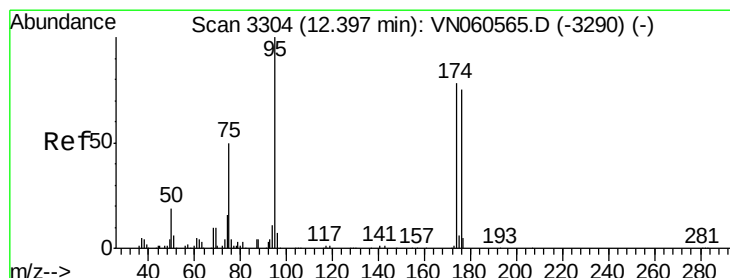
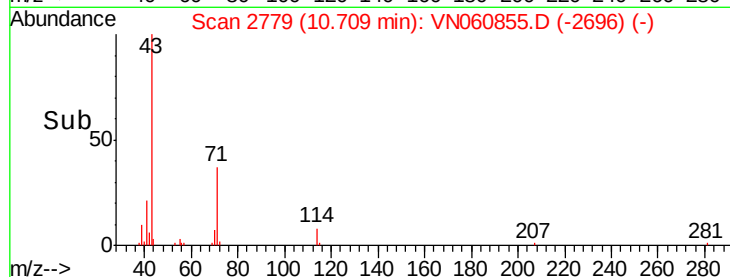
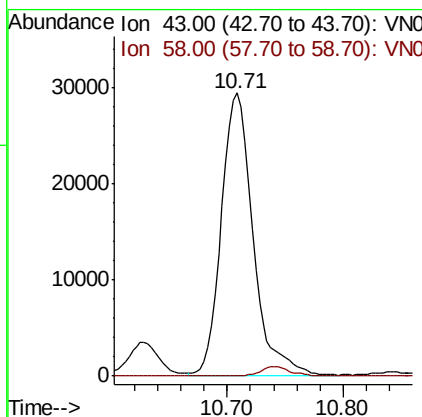
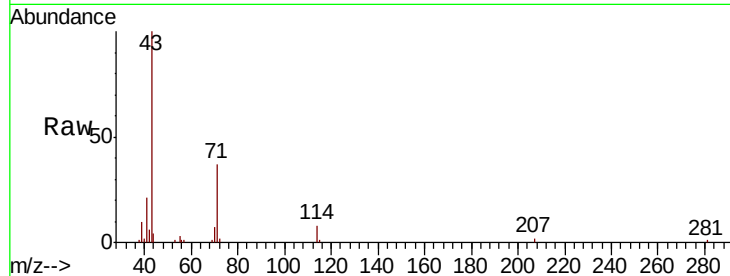




#59
2-Hexanone
Concen: 24.132 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.03 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

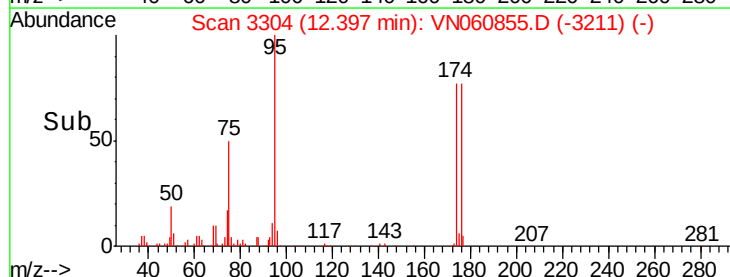
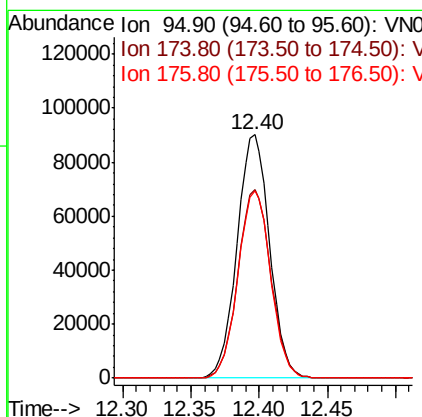
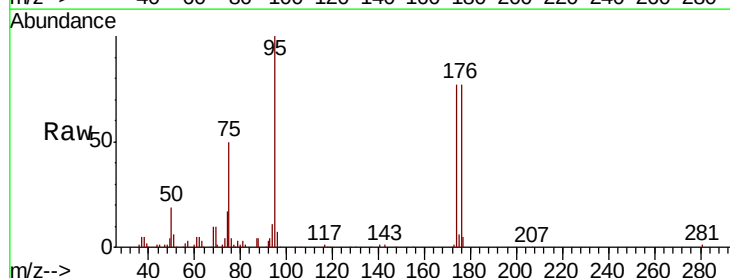
Instrument :
MSVOA_N
ClientSampleId :
T-1

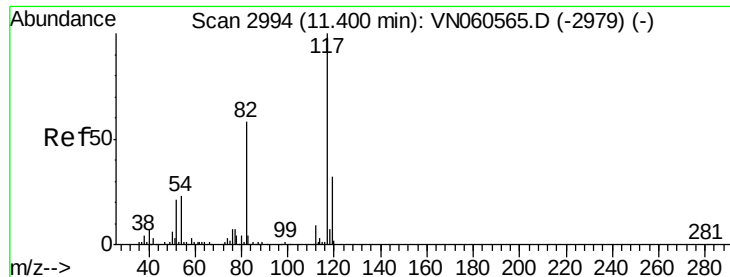
Tot Ion: 43 Resp: 56259
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.084 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Tgt Ion: 95 Resp: 149424
Ion Ratio Lower Upper
95 100
174 78.2 0.0 157.6
176 77.1 0.0 150.6

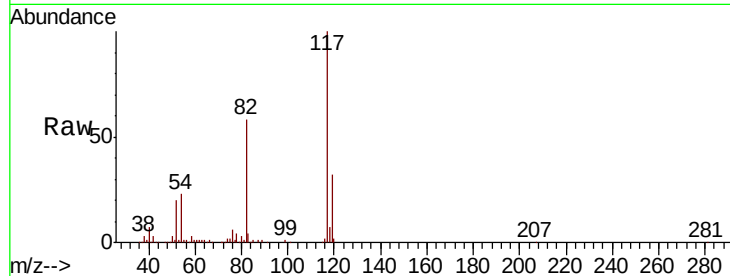




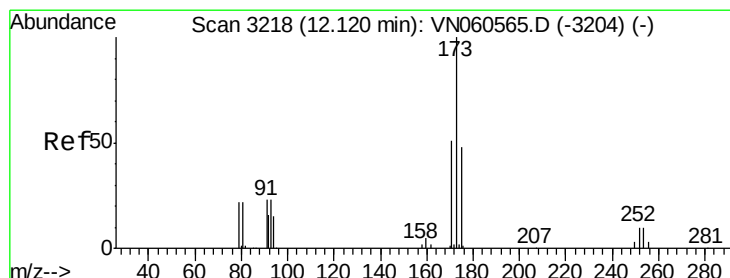
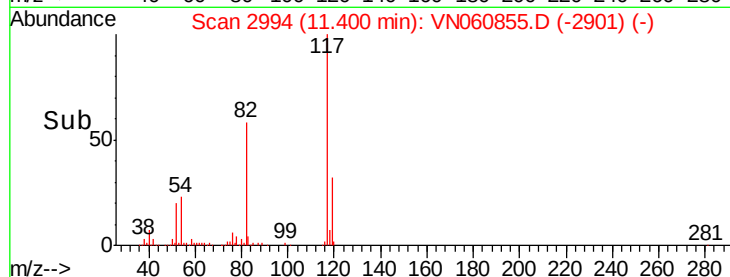
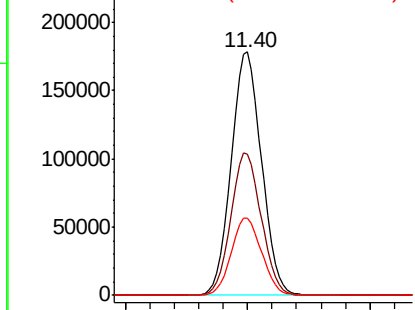
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Instrument :
MSVOA_N
ClientSampled :
T-1

Tot Ion:117 Resp: 308182
Ion Ratio Lower Upper
117 100
82 58.2 46.7 70.1
119 31.9 25.5 38.3

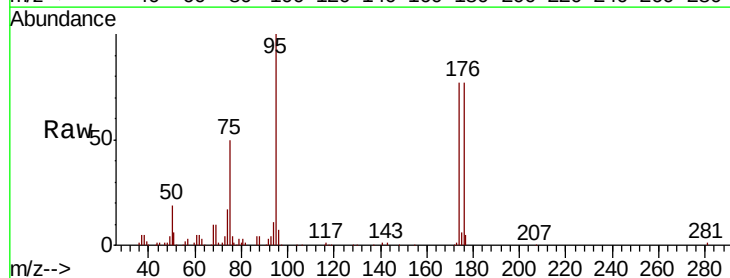


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

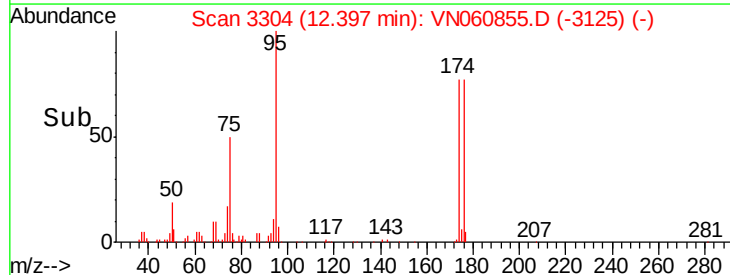
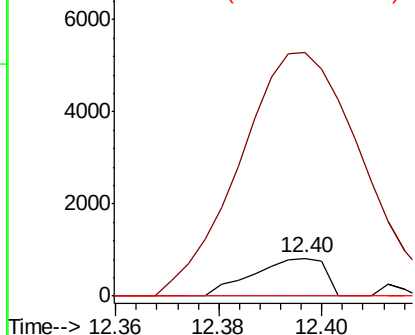


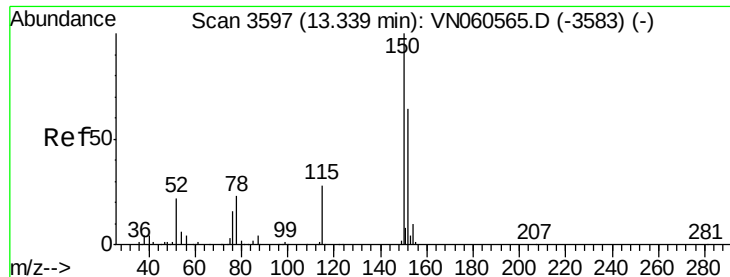
#71
Bromoform
Concen: 2.097 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Tgt Ion:173 Resp: 792
Ion Ratio Lower Upper
173 100
175 945.3 24.1 72.4#
254 0.0 0.0 0.0



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



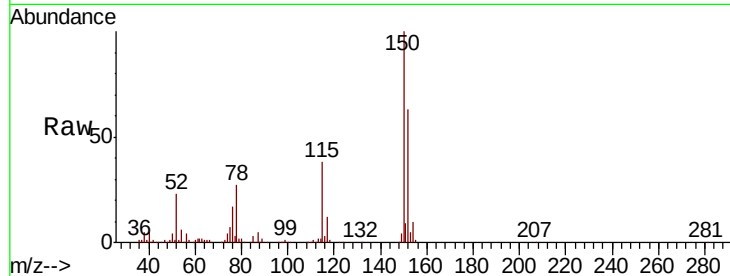


#72

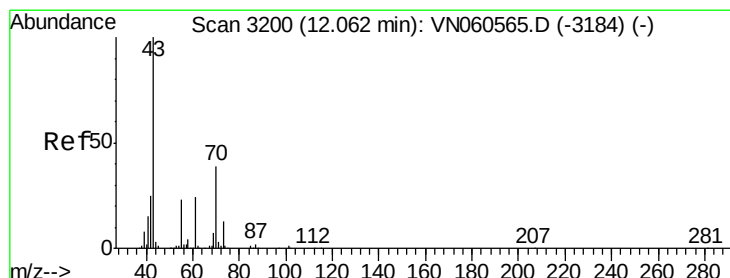
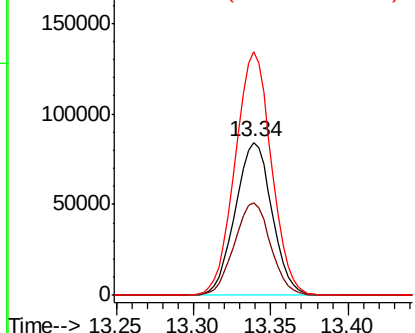
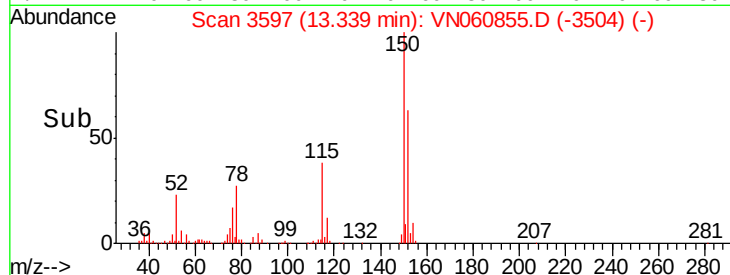
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :
T-1

Tot Ion:152 Resp: 139073
Ion Ratio Lower Upper
152 100
115 59.9 30.2 90.6
150 157.2 0.0 350.2



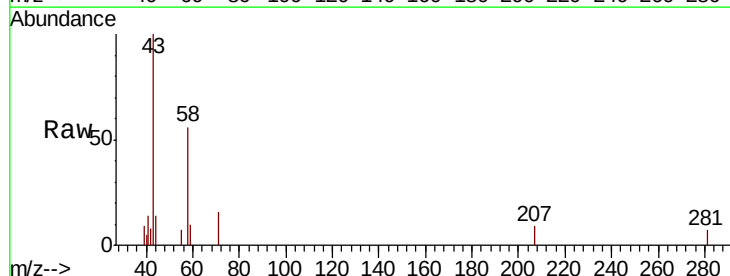
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



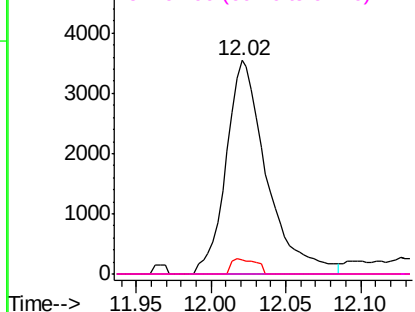
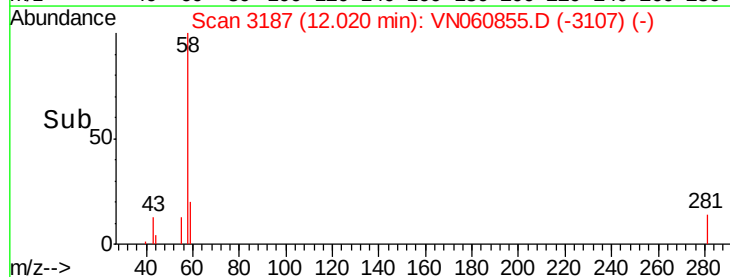
#74

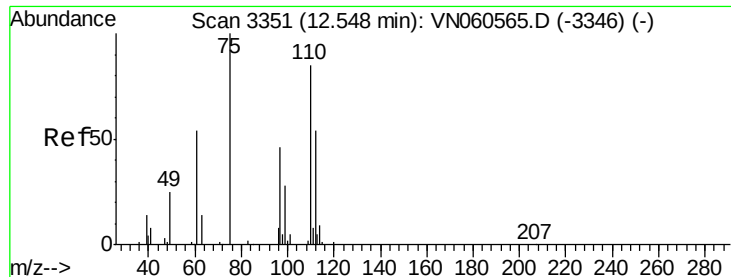
N-ethyl acetate
Concen: 1.393 ug/l
RT: 12.02 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VN060855.D
Acq: 6 Apr 2020 16:43

Tgt Ion: 43 Resp: 6718
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 4.3 18.6 27.8#
61 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 70.00 (69.70 to 70.70): VN
Ion 55.00 (54.70 to 55.70): VN
Ion 61.00 (60.70 to 61.70): VN





#76

1,2,3-Trichloropropane

Concen: 25.396 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

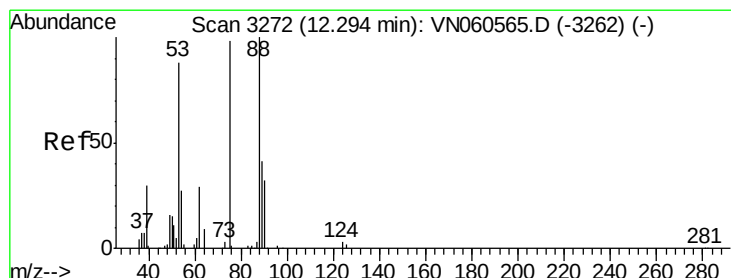
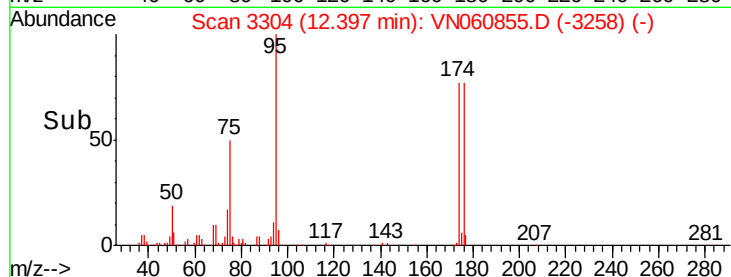
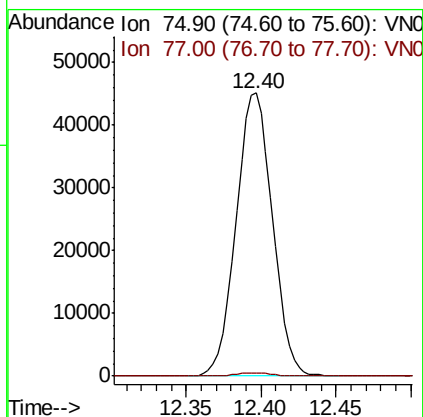
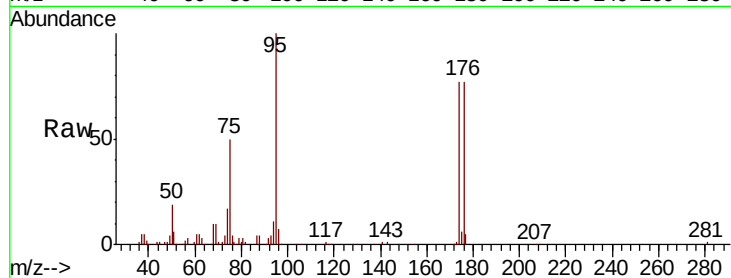
T-1

Tot Ion: 75 Resp: 76211

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.224 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060855.D

Acq: 6 Apr 2020 16:43

Tgt Ion: 75 Resp: 76211

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

