

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058035.D
 Acq On : 13 Sep 2019 22:19
 Operator : JC/SP
 Sample : K4694-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-(1.5)

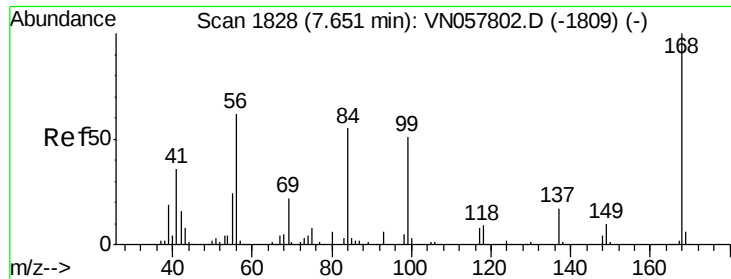
Quant Time: Sep 14 03:40:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	314677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	546222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	253122	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	335589	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
35) Dibromofluoromethane	7.58	113	231759	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	
50) Toluene-d8	10.09	98	886440	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
62) 4-Bromofluorobenzene	12.40	95	310316	41.60	ug/l	0.00
Spiked Amount			Recovery	=	83.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	201	Below Cal		94
16) Acetone	3.80	43	16203	7.755	ug/l	95
18) Methyl Acetate	4.31	43	4470	0.802	ug/l #	88
20) Methylene Chloride	4.54	84	14477	2.469	ug/l	90
25) 2-Butanone	6.82	43	955	0.316	ug/l	97
29) Tetrahydrofuran	7.19	42	376	0.202	ug/l #	34
31) Cyclohexane	7.65	56	7728	Below Cal	#	23
36) 1,1-Dichloropropene	7.65	75	27062	4.272	ug/l #	50
38) Carbon Tetrachloride	7.65	117	32128	5.555	ug/l #	16
43) Isopropyl Acetate	8.16	43	106540	9.680	ug/l #	82
45) 1,2-Dichloropropane	9.26	63	1651	0.298	ug/l #	44
48) Methyl methacrylate	9.18	41	6197	1.110	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	7453	1.144	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	38969	5.005	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	6000	0.684	ug/l #	43
59) 2-Hexanone	10.76	43	84884	17.387	ug/l #	54
74) N-amyl acetate	12.03	43	5328	0.623	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	170266	29.735	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	170266	104.639	ug/l #	6
95) Naphthalene	15.14	128	1102	Below Cal	#	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

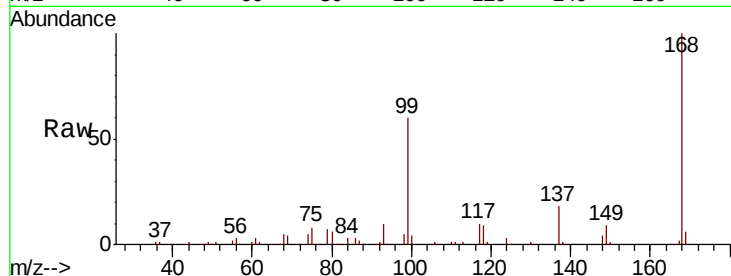
T1-2-(1.5)

Tgt Ion: 168 Resp: 314677

Ion Ratio Lower Upper

168 100

99 59.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

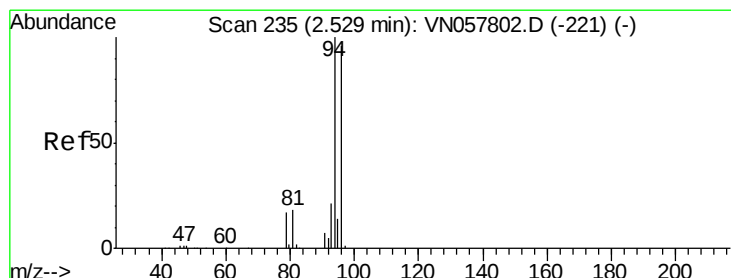
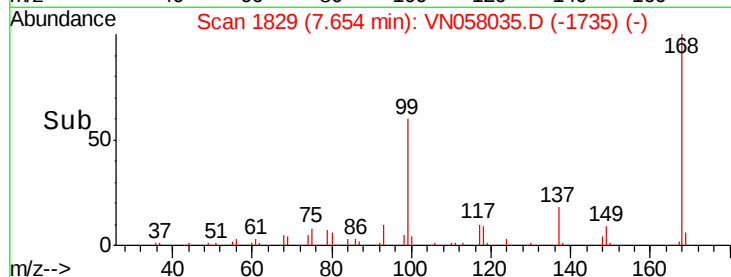
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 244

Delta R.T. 0.03 min

Lab File: VN058035.D

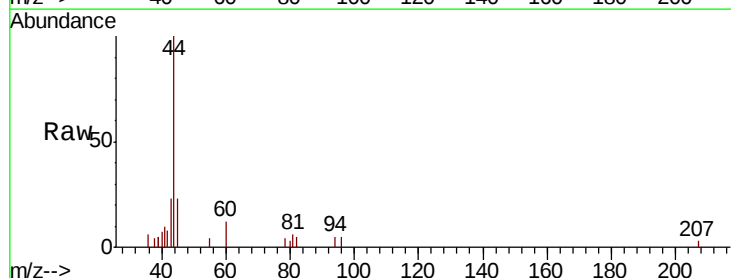
Acq: 13 Sep 2019 22:19

Tgt Ion: 94 Resp: 201

Ion Ratio Lower Upper

94 100

96 101.6 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.56

300

250

200

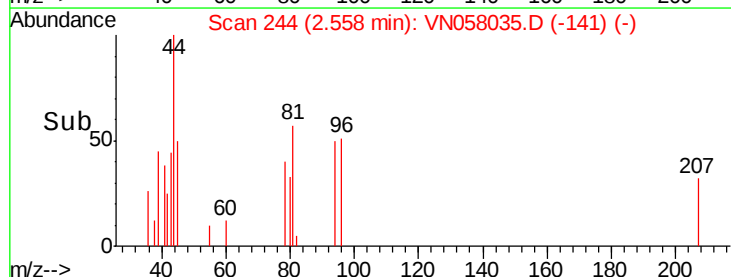
150

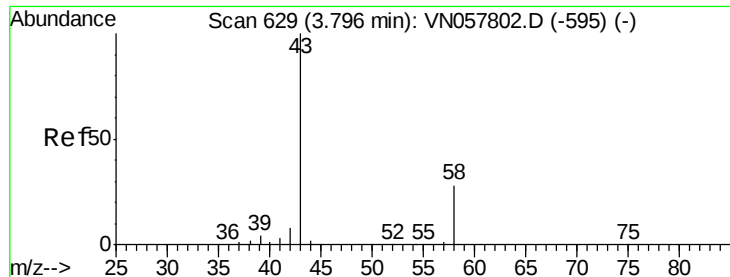
100

50

0

Time-->

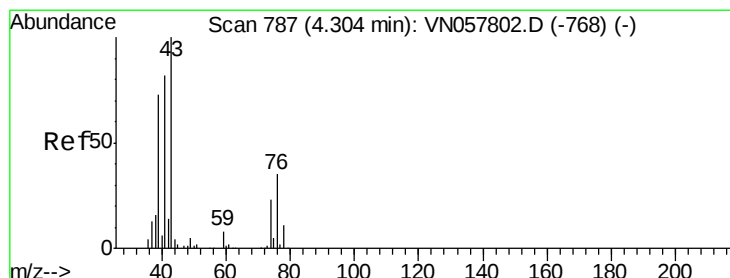
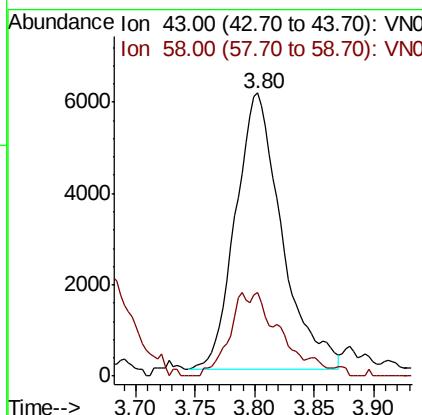
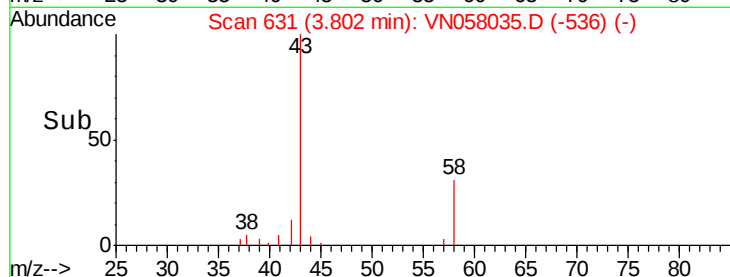
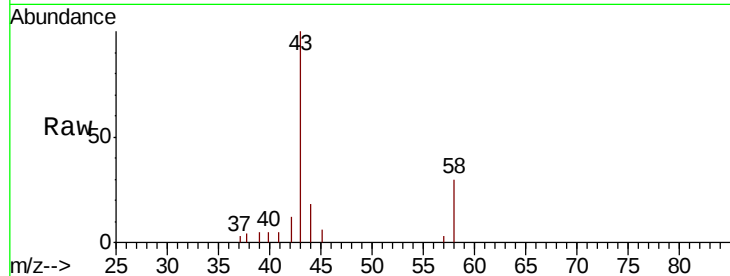




#16
Acetone
Concen: 7.755 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

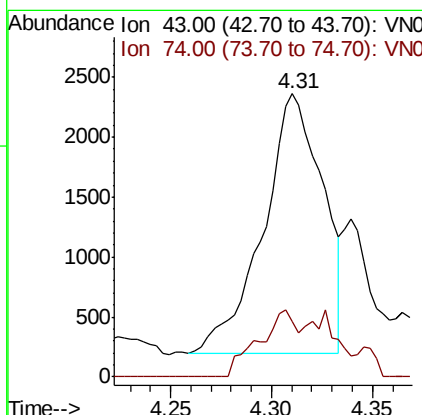
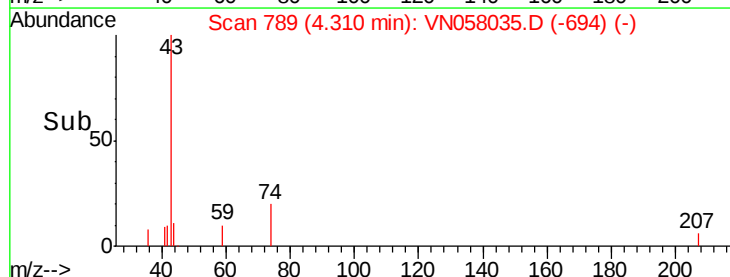
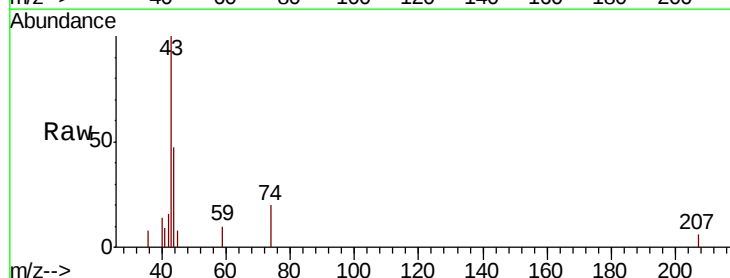
Instrument :
MSVOA_N
ClientSampled :
T1-2-(1.5)

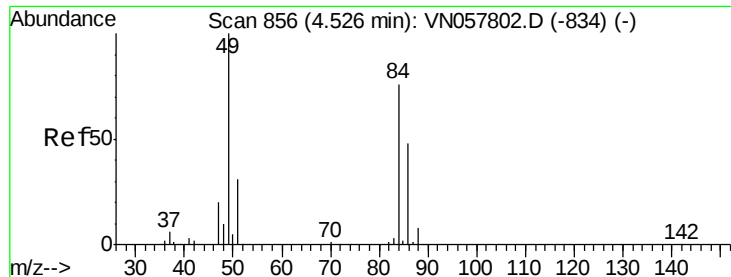
Tgt Ion: 43 Resp: 16203
Ion Ratio Lower Upper
43 100
58 30.4 22.2 33.2



#18
Methyl Acetate
Concen: 0.802 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Tgt Ion: 43 Resp: 4470
Ion Ratio Lower Upper
43 100
74 16.4 17.9 26.9#

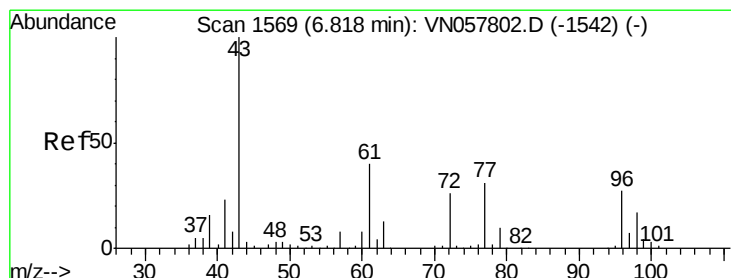
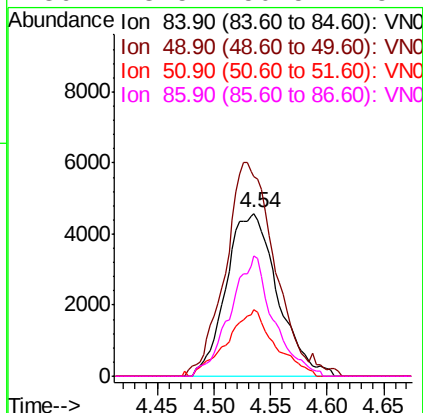
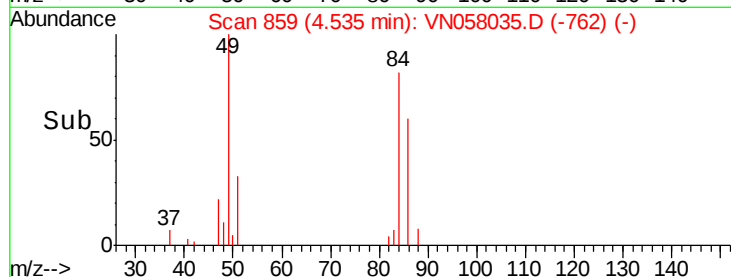
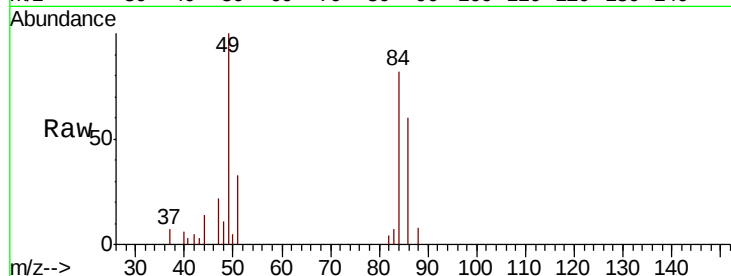




#20
Methylene Chloride
Concen: 2.469 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

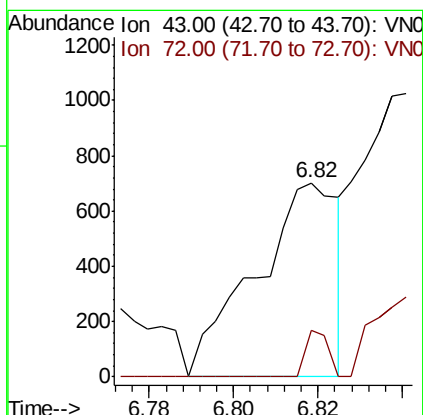
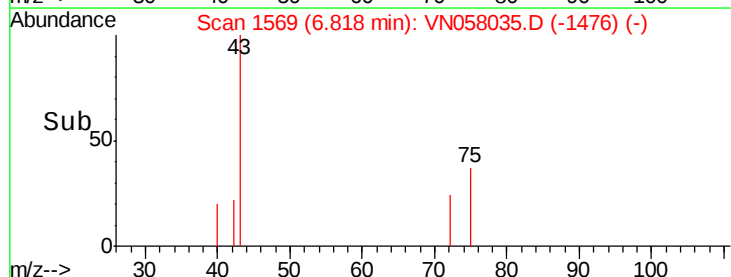
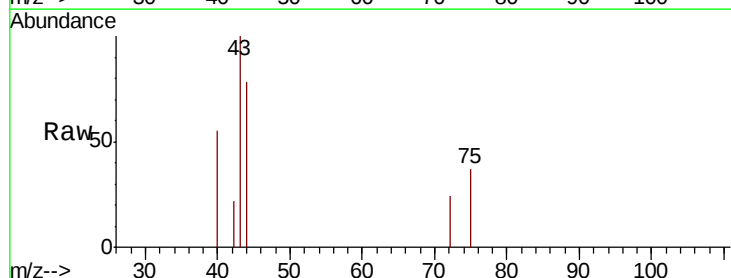
Instrument :
MSVOA_N
ClientSampled :
T1-2-(1.5)

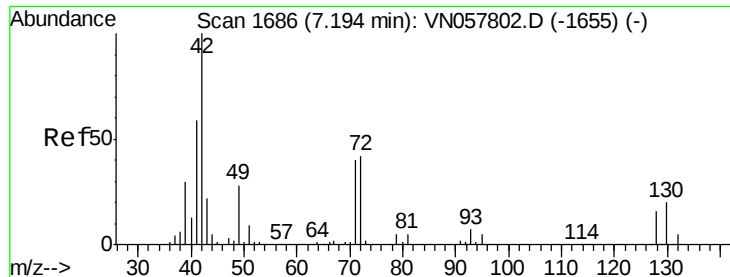
Tgt Ion: 84 Resp: 14477
Ion Ratio Lower Upper
84 100
49 118.9 104.8 157.2
51 40.6 33.0 49.4
86 73.5 50.5 75.7



#25
2-Butanone
Concen: 0.316 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Tgt Ion: 43 Resp: 955
Ion Ratio Lower Upper
43 100
72 24.2 20.6 30.8





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058035.D

Acq: 13 Sep 2019 22:19

Instrument :

MSVOA_N

ClientSampled :

T1-2-(1.5)

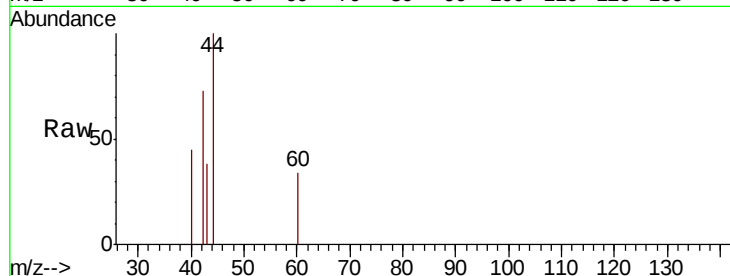
Tgt Ion: 42 Resp: 376

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

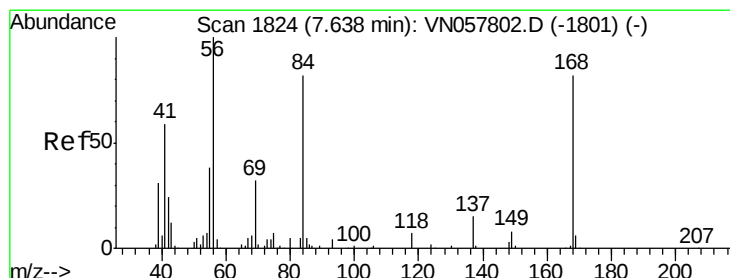
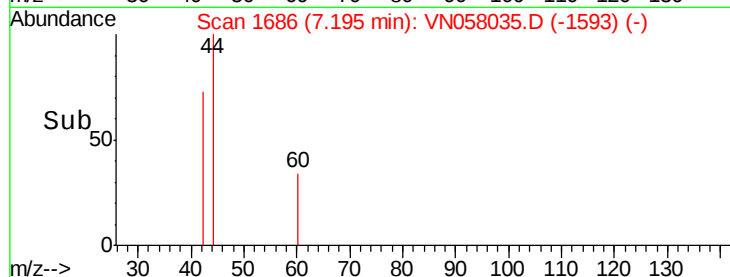
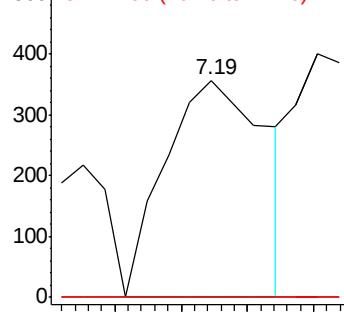
71 0.0 31.9 47.9#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058035.D

Acq: 13 Sep 2019 22:19

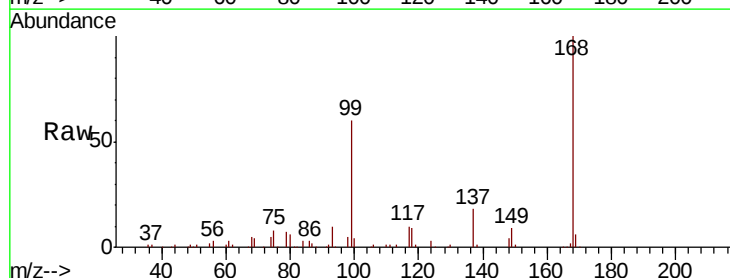
Tgt Ion: 56 Resp: 7728

Ion Ratio Lower Upper

56 100

69 151.7 25.9 38.9#

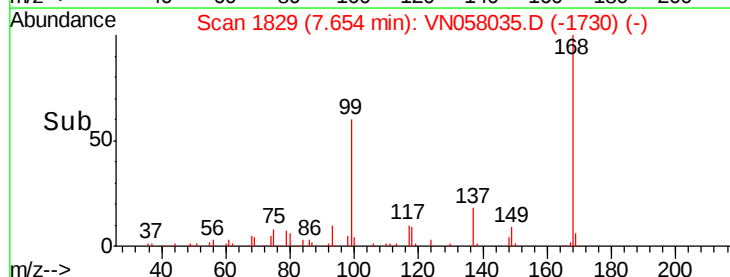
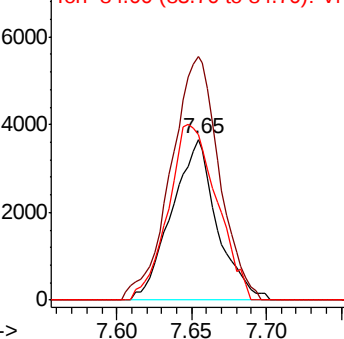
84 103.0 65.6 98.4#

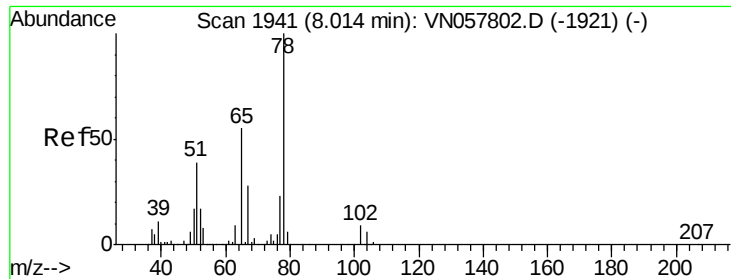


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

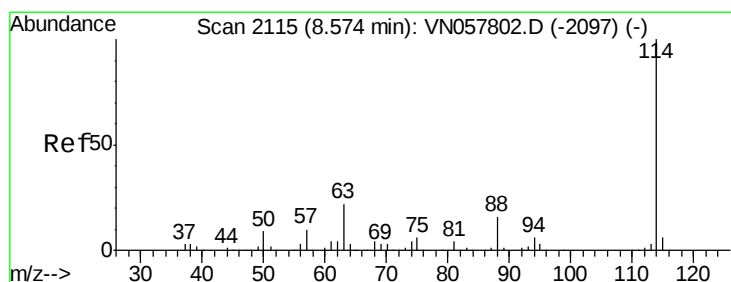
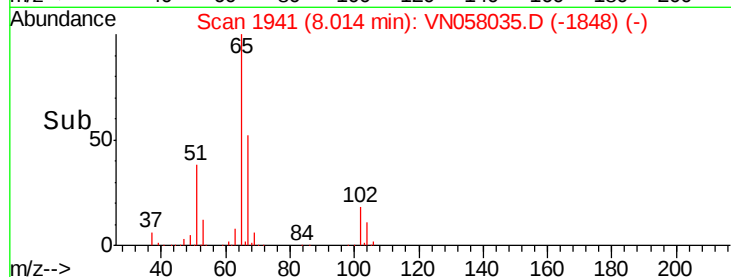
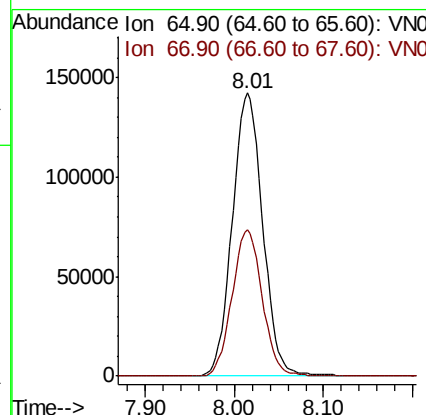
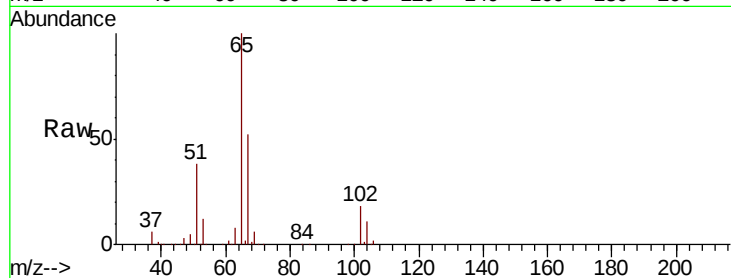




#33
 1,2-Dichloroethane-d4
 Concen: 52.654 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

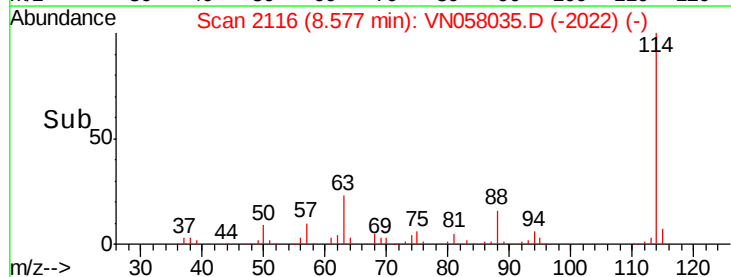
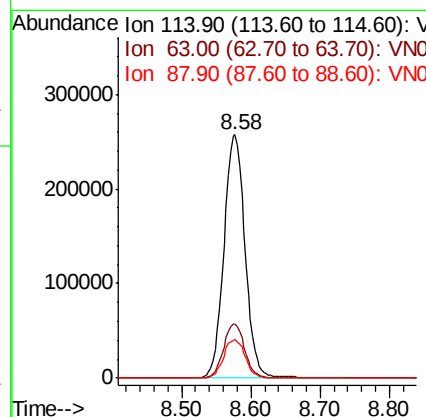
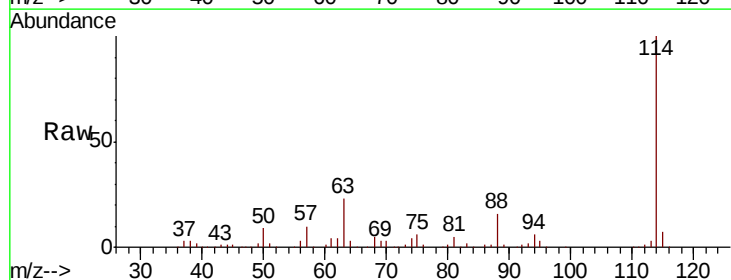
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-(1.5)

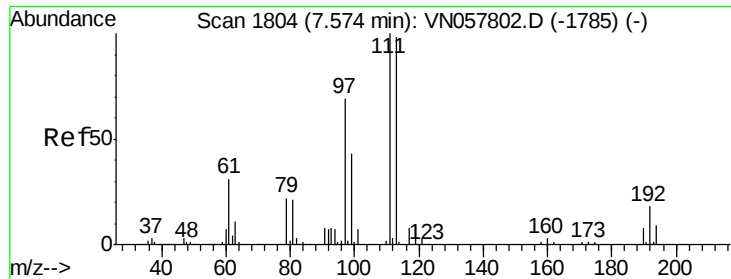
Tgt Ion: 65 Resp: 335589
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

Tgt Ion: 114 Resp: 546222
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.0
 88 15.8 0.0 31.4

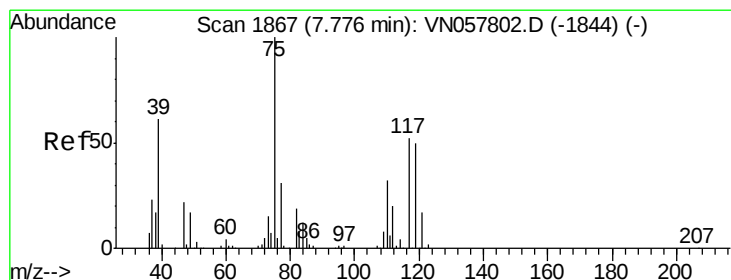
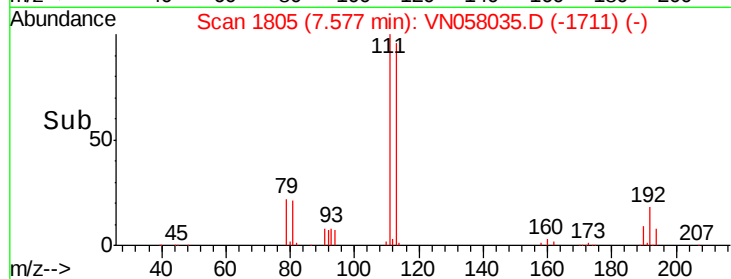
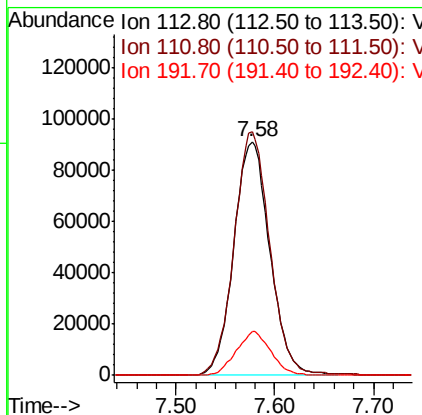
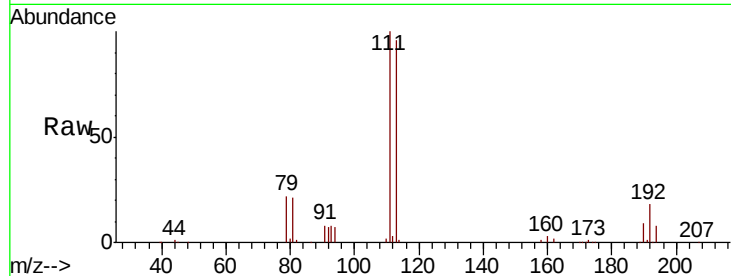




#35
 Dibromofluoromethane
 Concen: 45.971 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

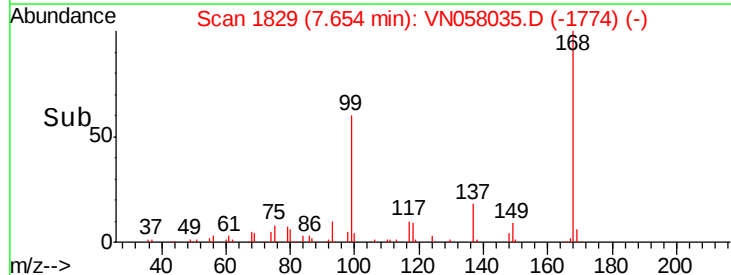
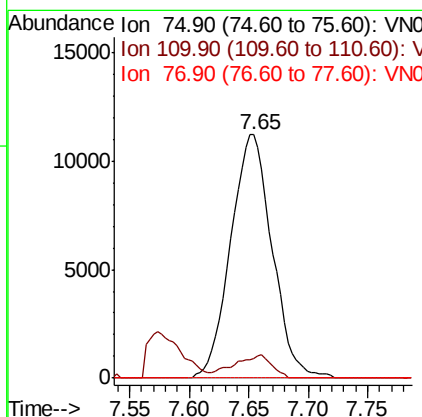
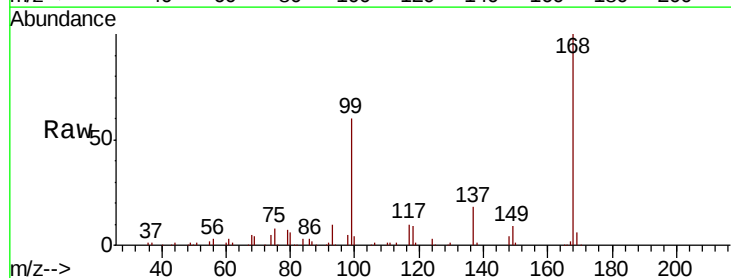
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-(1.5)

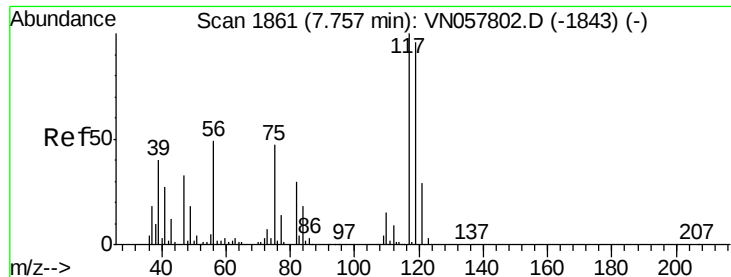
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.3	121.9
192	18.0	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.272 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.555 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN058035.D

Acq: 13 Sep 2019 22:19

Instrument :

MSVOA_N

ClientSampled :

T1-2-(1.5)

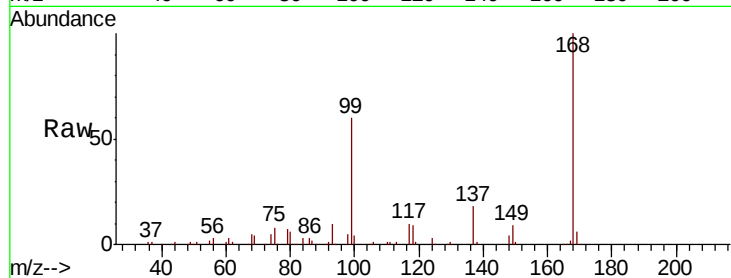
Tgt Ion:117 Resp: 32128

Ion Ratio Lower Upper

117 100

119 5.3 76.9 115.3#

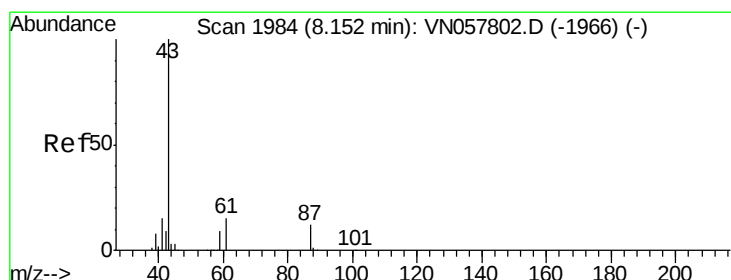
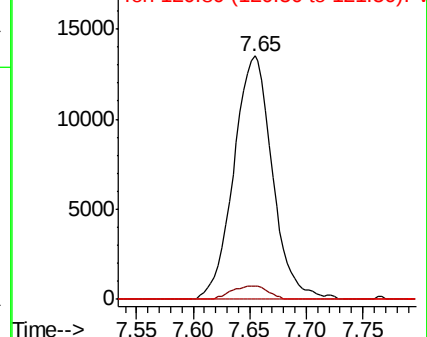
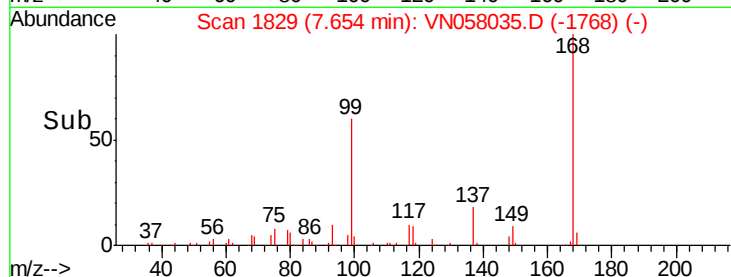
121 0.0 23.4 35.2#



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: 9.680 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN058035.D

Acq: 13 Sep 2019 22:19

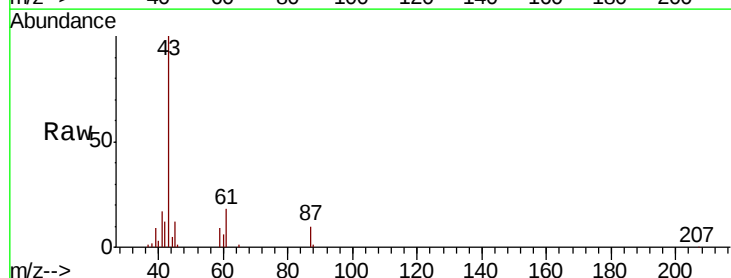
Tgt Ion: 43 Resp: 106540

Ion Ratio Lower Upper

43 100

61 13.9 20.1 30.1#

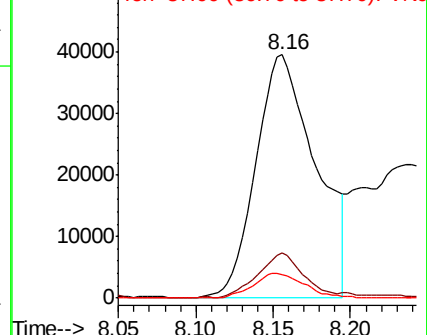
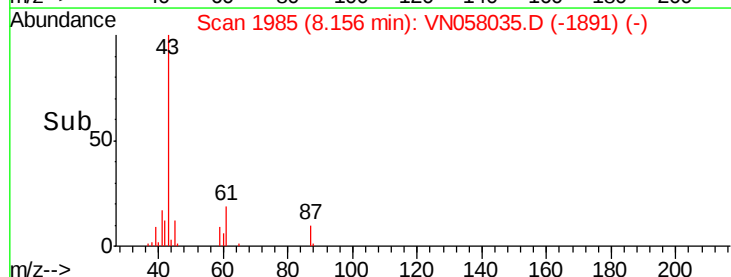
87 8.6 9.5 14.3#

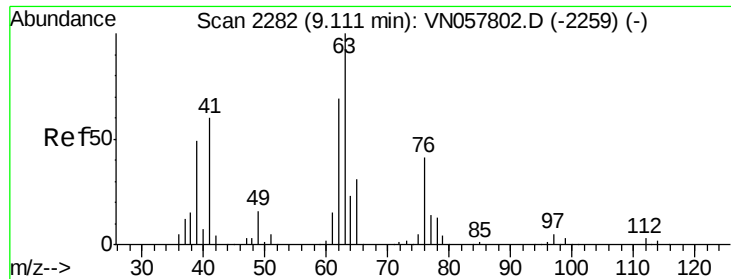


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

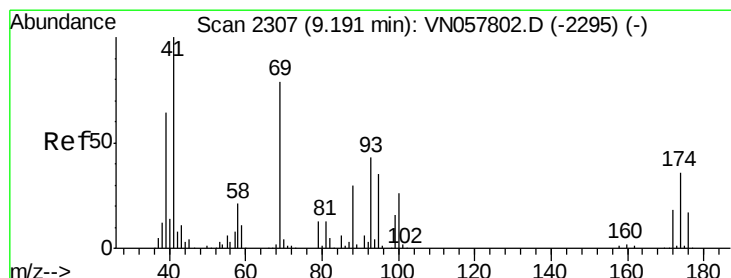
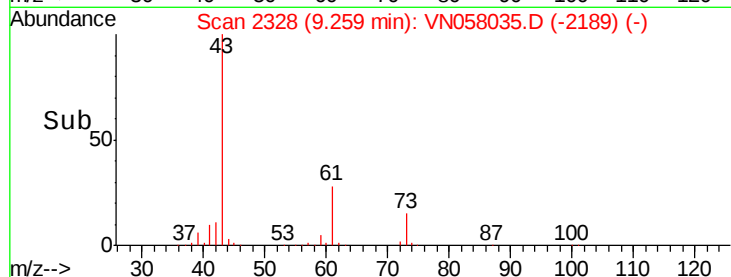
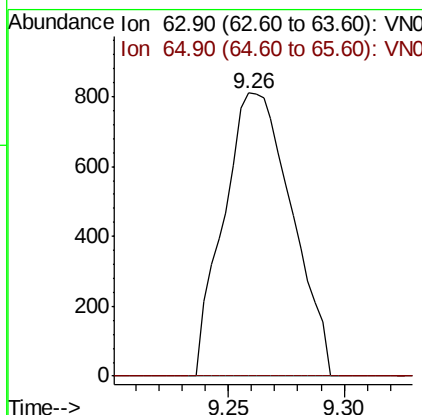
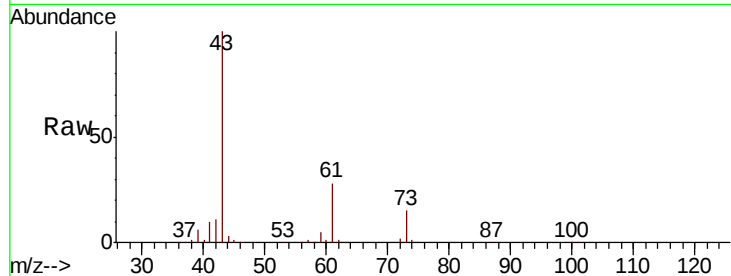




#45
 1,2-Dichloropropane
 Concen: 0.298 ug/l
 RT: 9.26 min Scan# 2328
 Delta R.T. 0.15 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

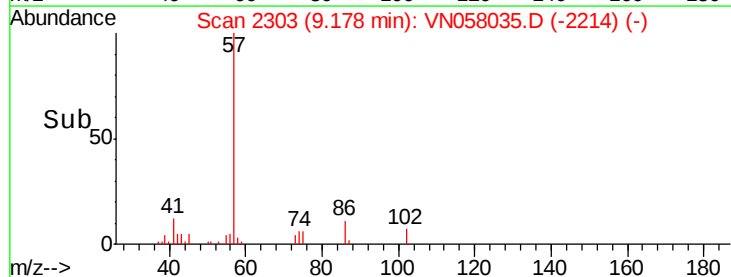
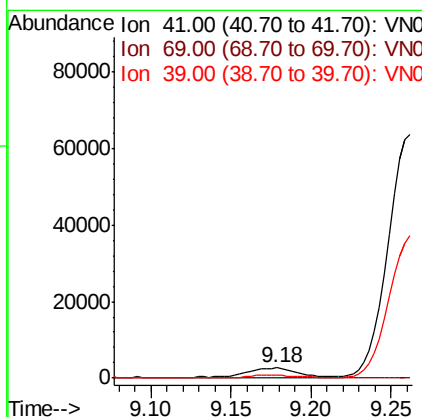
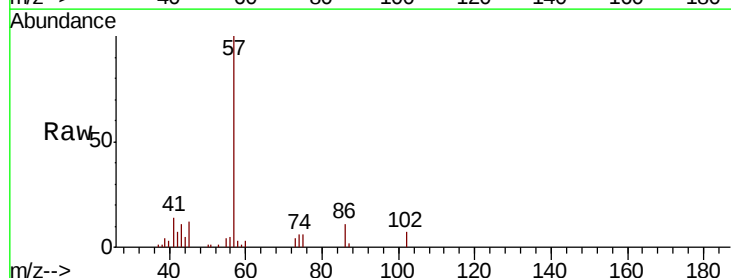
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-(1.5)

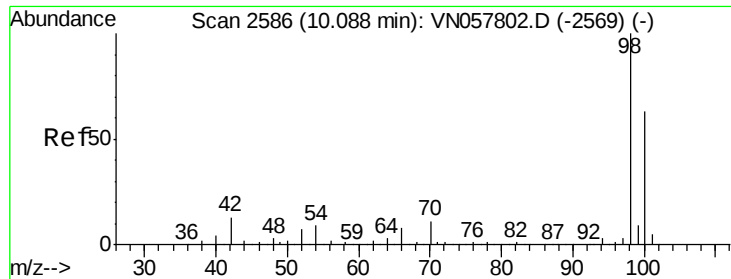
Tgt Ion: 63 Resp: 1651
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.110 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

Tgt Ion: 41 Resp: 6197
 Ion Ratio Lower Upper
 41 100
 69 0.0 62.7 94.1#
 39 0.0 52.7 79.1#





#50

Toluene-d8

Concen: 45.288 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058035.D

Acq: 13 Sep 2019 22:19

Instrument :

MSVOA_N

ClientSampled :

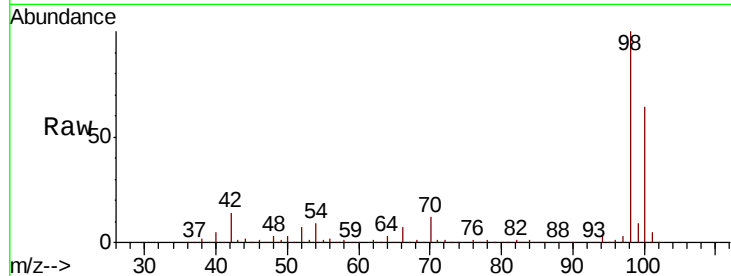
T1-2-(1.5)

Tgt Ion: 98 Resp: 886440

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.09

500000

400000

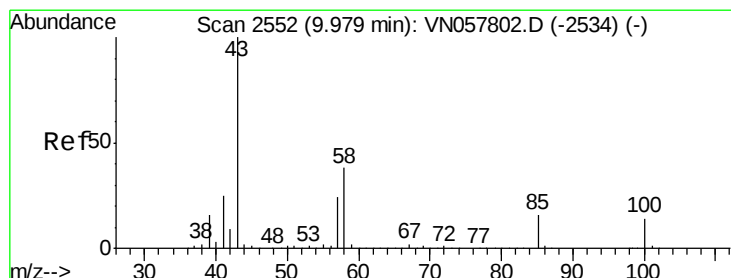
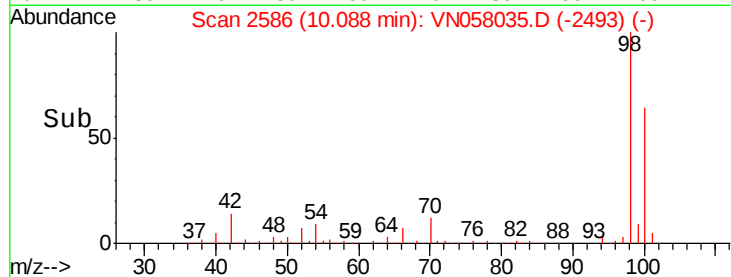
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.144 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058035.D

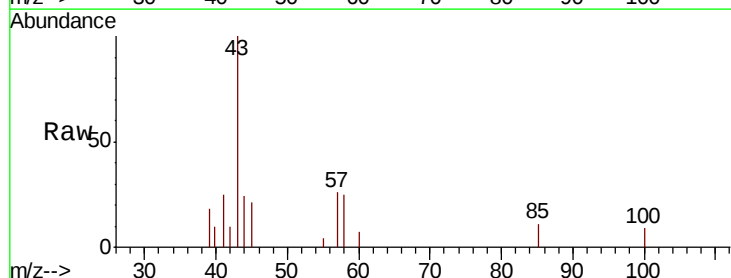
Acq: 13 Sep 2019 22:19

Tgt Ion: 43 Resp: 7453

Ion Ratio Lower Upper

43 100

58 32.6 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

12000

10000

8000

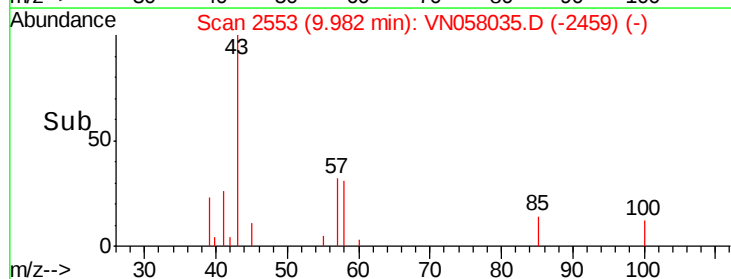
6000

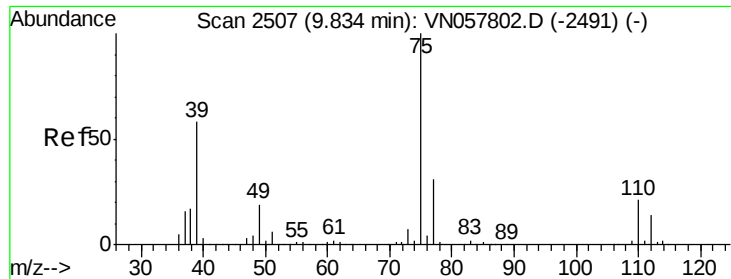
4000

2000

0

Time-->



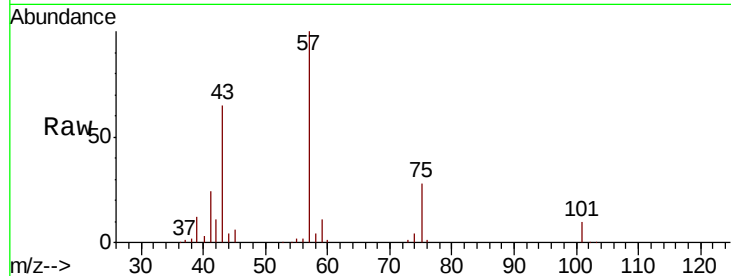


#54

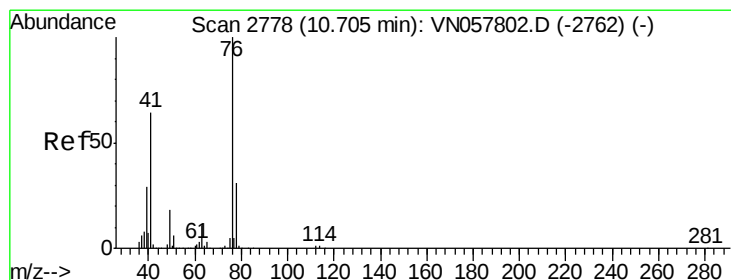
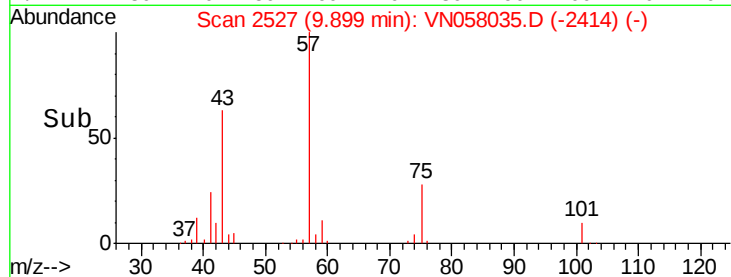
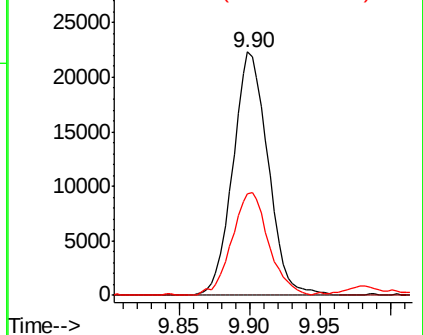
cis-1,3-Dichloropropene
 Concen: 5.005 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-2-(1.5)

Tgt Ion: 75 Resp: 38969
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 41.6 46.2 69.4#



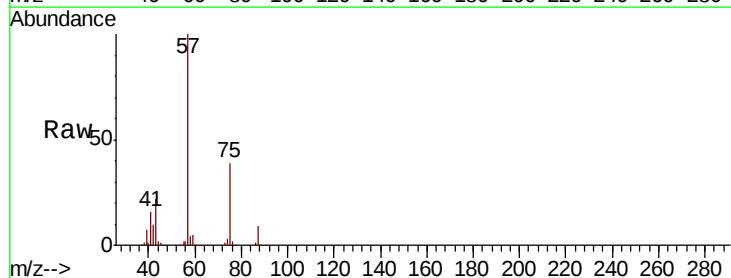
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



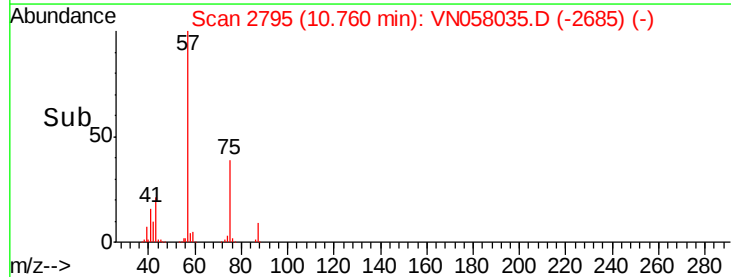
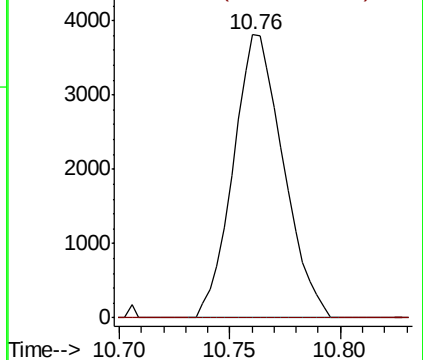
#57

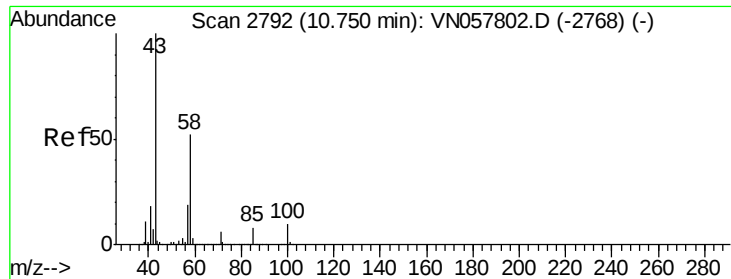
1,3-Dichloropropane
 Concen: 0.684 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.05 min
 Lab File: VN058035.D
 Acq: 13 Sep 2019 22:19

Tgt Ion: 76 Resp: 6000
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

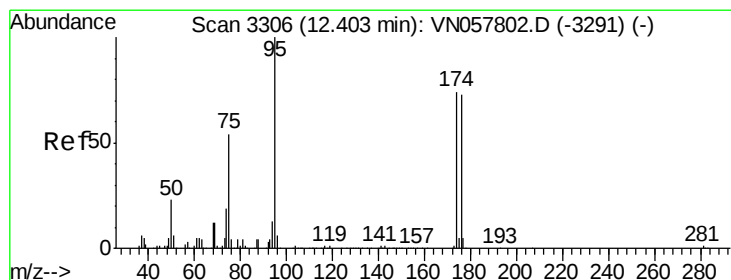
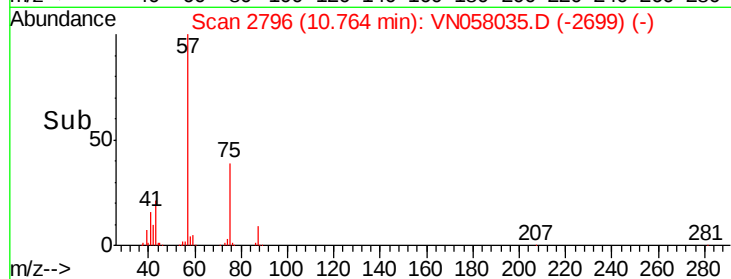
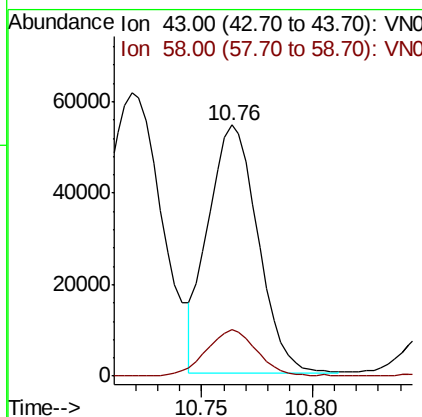
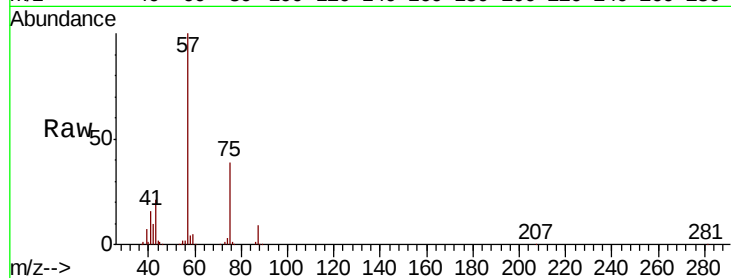




#59
2-Hexanone
Concen: 17.387 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

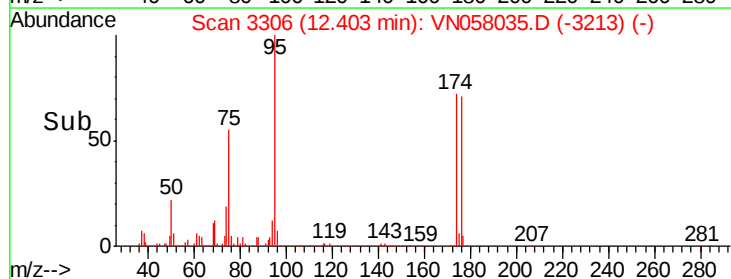
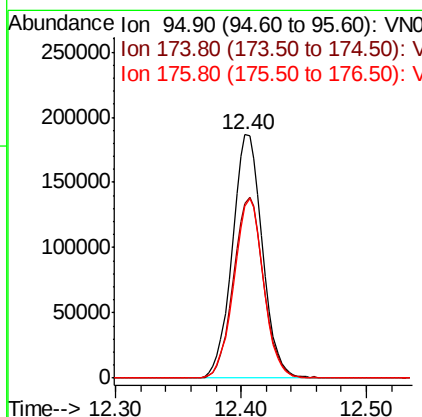
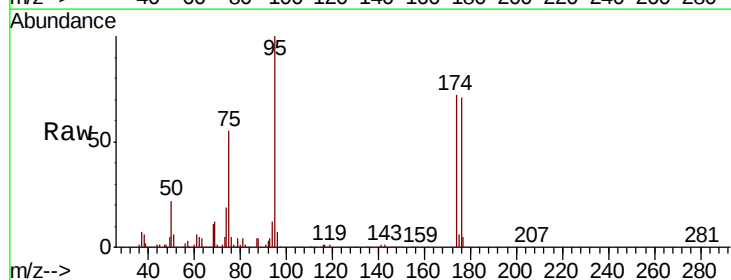
Instrument :
MSVOA_N
ClientSampleId :
T1-2-(1.5)

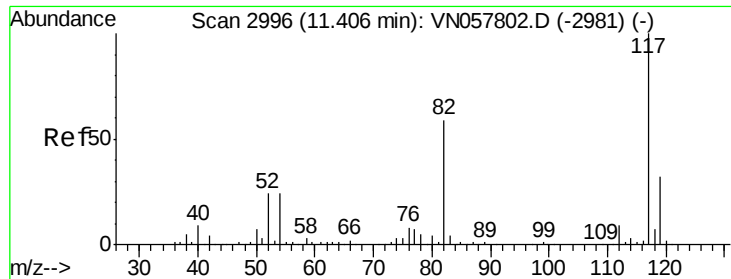
Tgt Ion: 43 Resp: 84884
Ion Ratio Lower Upper
43 100
58 19.2 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 41.602 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Tgt Ion: 95 Resp: 310316
Ion Ratio Lower Upper
95 100
174 74.3 0.0 150.2
176 72.4 0.0 146.0

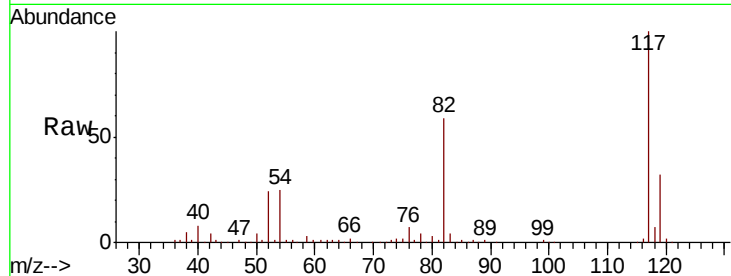




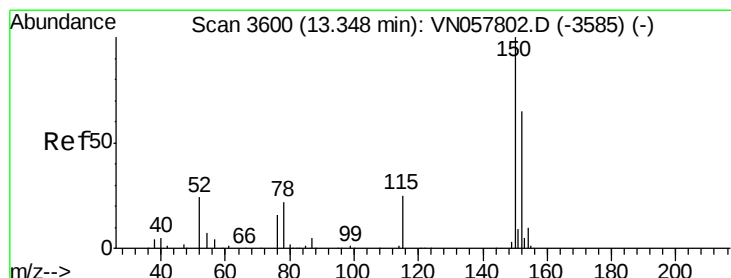
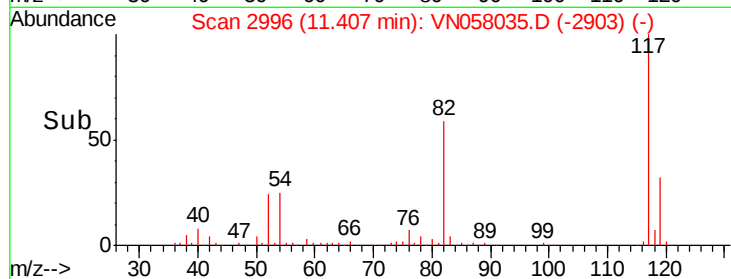
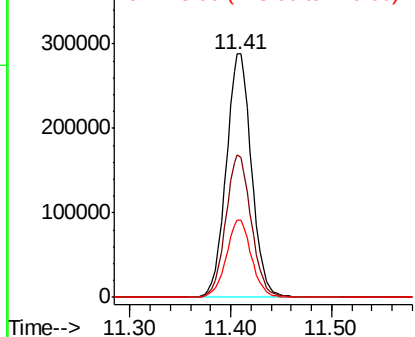
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Instrument :
MSVOA_N
ClientSampleId :
T1-2-(1.5)

Tgt Ion:117 Resp: 502929
Ion Ratio Lower Upper
117 100
82 58.7 47.2 70.8
119 31.7 25.3 37.9

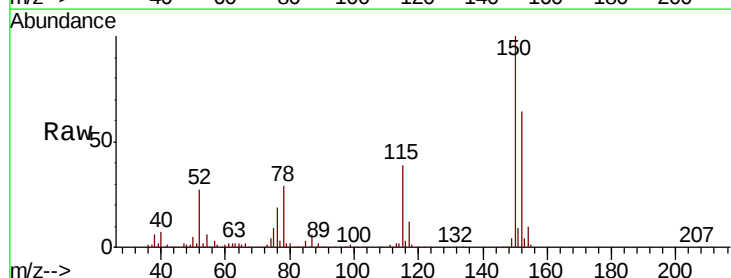


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

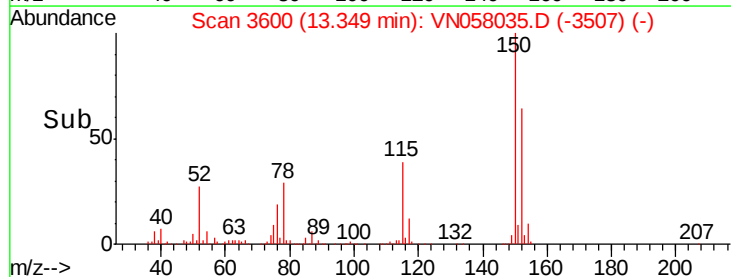
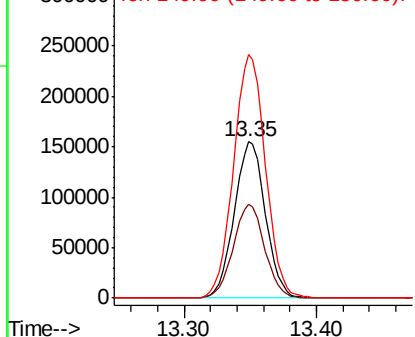


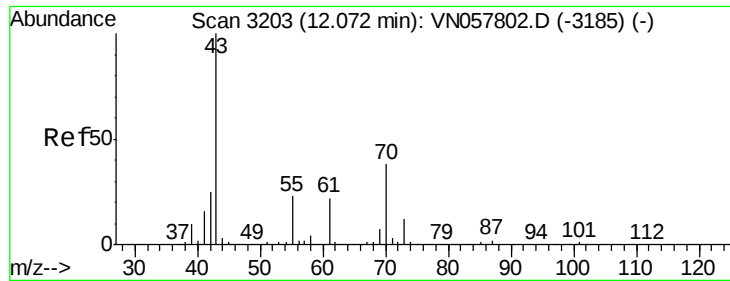
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Tgt Ion:152 Resp: 253122
Ion Ratio Lower Upper
152 100
115 60.4 30.3 91.0
150 159.2 0.0 352.4



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

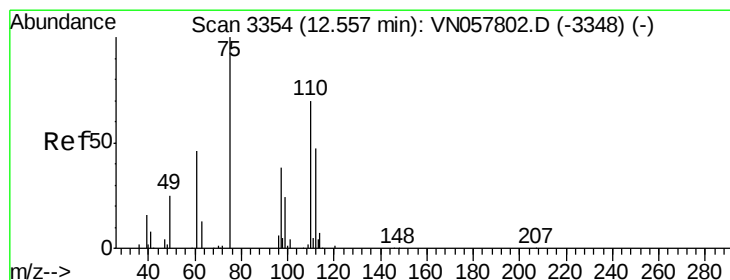
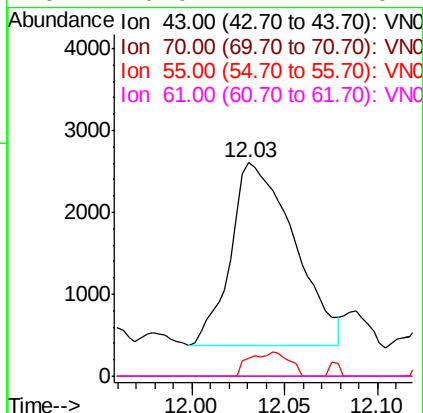
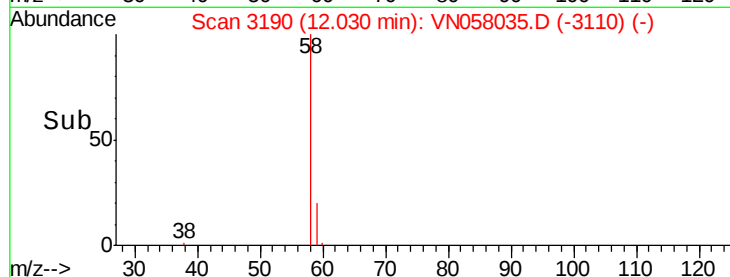
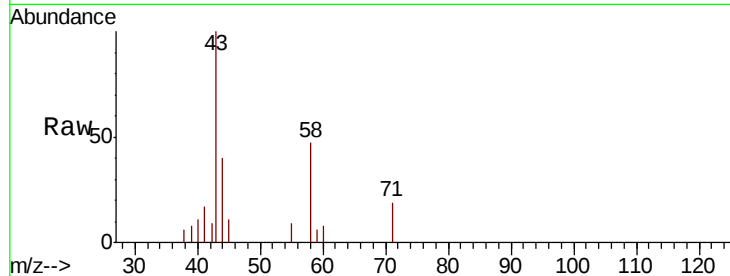




#74
N-ethyl acetate
Concen: 0.623 ug/l
RT: 12.03 min Scan# 3190
Delta R.T. -0.04 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

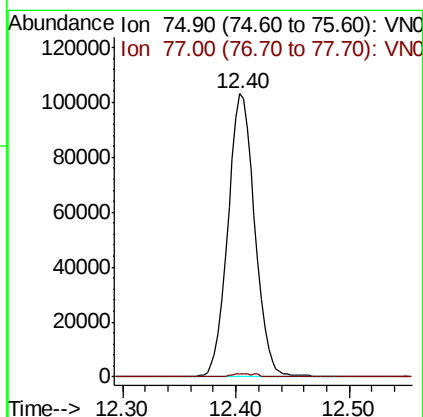
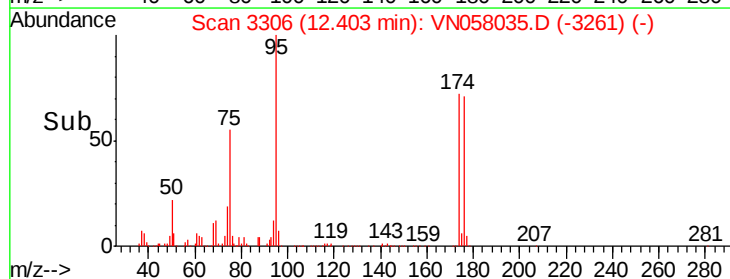
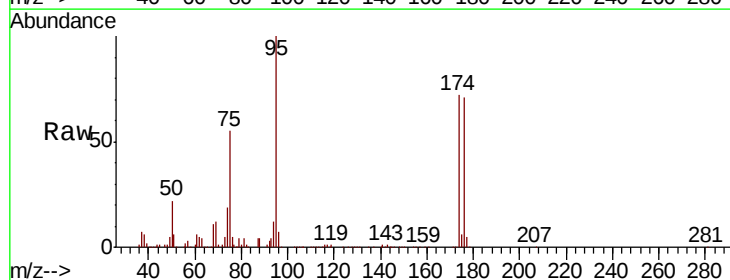
Instrument :
MSVOA_N
ClientSampleId :
T1-2-(1.5)

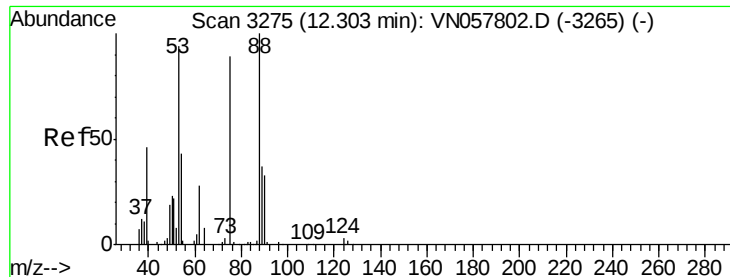
Tgt Ion: 43 Resp: 5328
Ion Ratio Lower Upper
43 100
70 0.0 30.6 45.8#
55 8.4 18.6 27.8#
61 0.0 17.4 26.2#



#76
1,2,3-Trichloropropane
Concen: 29.735 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Tgt Ion: 75 Resp: 170266
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

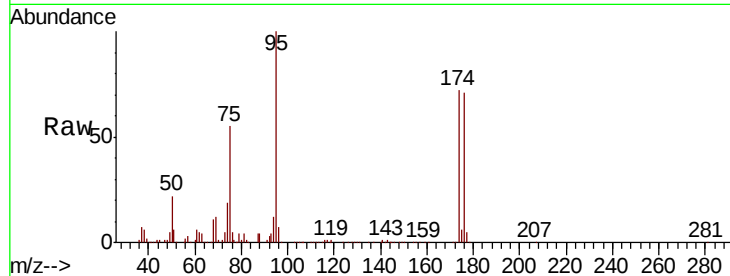




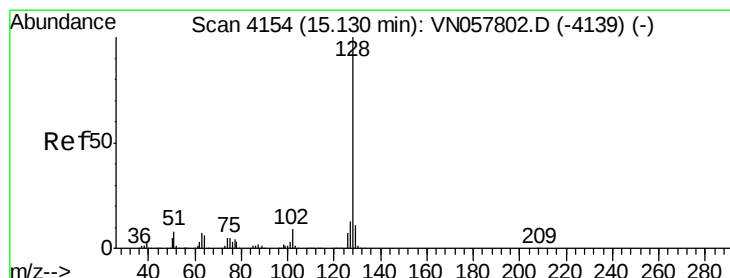
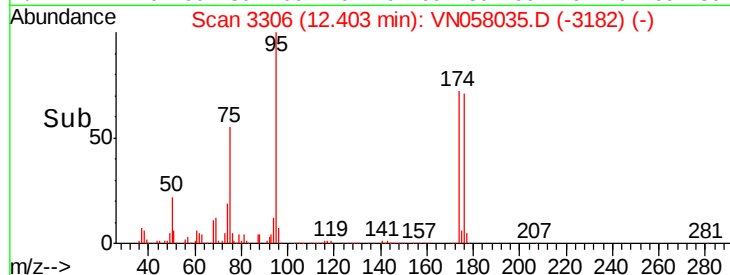
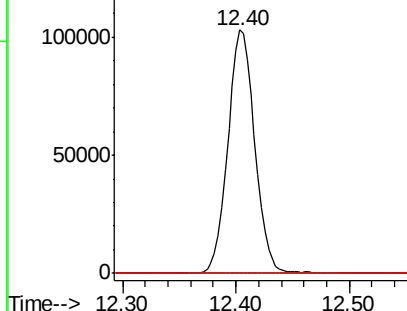
#81
trans-1,4-Dichloro-2-butene
Concen: 104.639 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Instrument :
MSVOA_N
ClientSampled :
T1-2-(1.5)

Tgt Ion: 75 Resp: 170266
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 35.3 52.9#

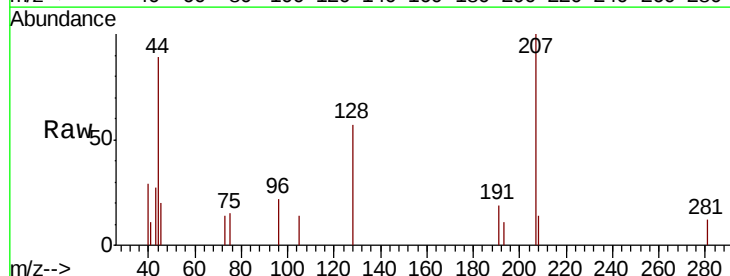


Abundance Ion 74.90 (74.60 to 75.60): VN058035.D
Ion 53.00 (52.70 to 53.70): VN058035.D
Ion 88.90 (88.60 to 89.60): VN058035.D



#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN058035.D
Acq: 13 Sep 2019 22:19

Tgt Ion: 128 Resp: 1102
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN058035.D
Ion 127.00 (126.70 to 127.70): VN058035.D
Ion 129.00 (128.70 to 129.70): VN058035.D

