

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058036.D
 Acq On : 13 Sep 2019 22:41
 Operator : JC/SP
 Sample : K4694-25
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T1-3-(0)

Quant Time: Sep 14 03:40:45 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	309665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	555843	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	510161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	263428	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	367633	58.61	ug/l	0.00
Spiked Amount			Recovery	=	117.22%	
35) Dibromofluoromethane	7.58	113	251260	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	10.09	98	913762	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
62) 4-Bromofluorobenzene	12.41	95	322371	42.47	ug/l	0.00
Spiked Amount			Recovery	=	84.94%	

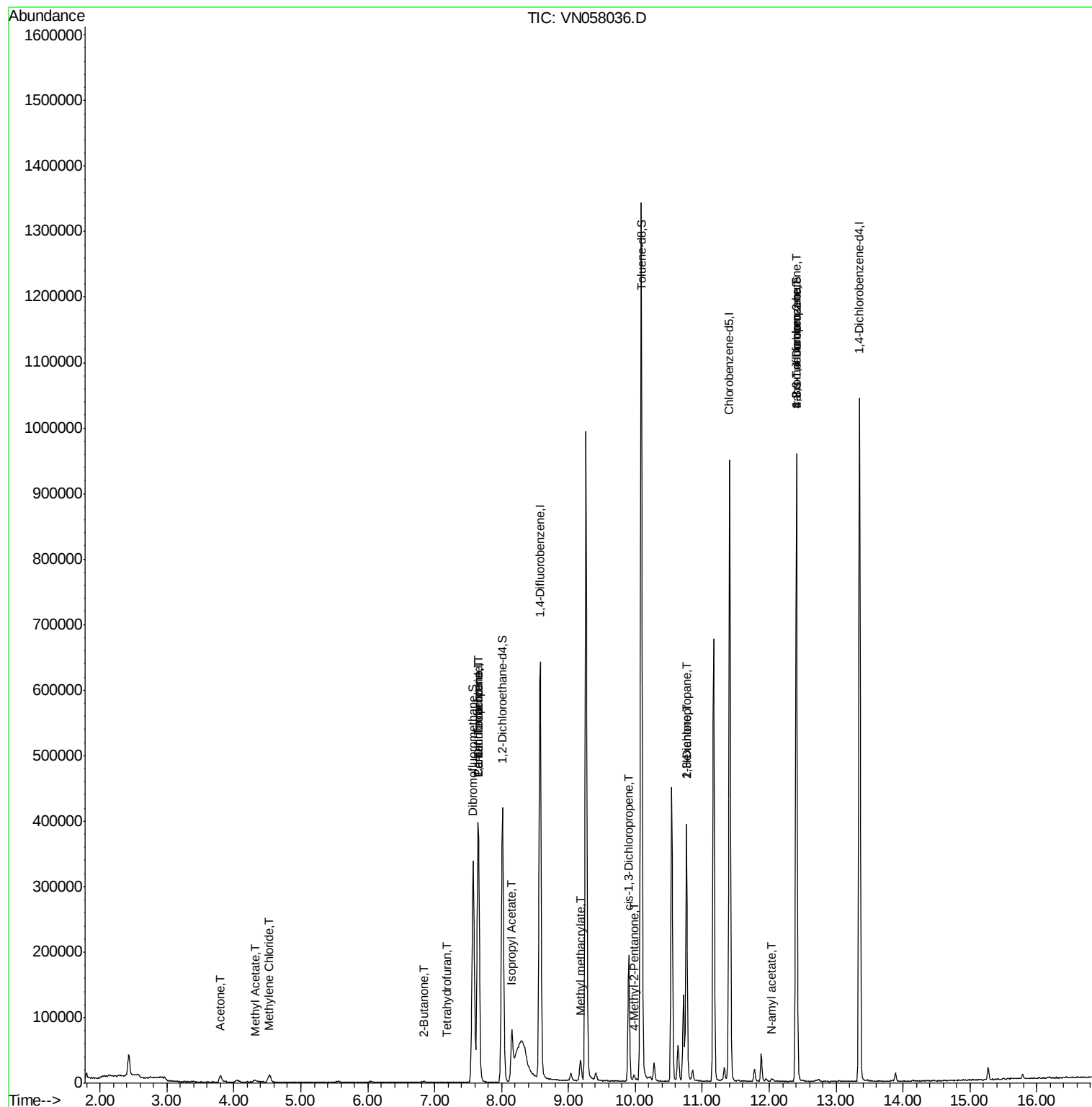
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.50	94	82	Below Cal	#	2
16) Acetone	3.80	43	17112	8.323	ug/l	92
18) Methyl Acetate	4.31	43	6430	1.173	ug/l #	84
20) Methylene Chloride	4.53	84	7898	0.807	ug/l	84
25) 2-Butanone	6.83	43	3512	1.180	ug/l #	49
29) Tetrahydrofuran	7.19	42	423	0.231	ug/l #	34
31) Cyclohexane	7.65	56	8527	Below Cal	#	5
36) 1,1-Dichloropropene	7.65	75	26522	4.114	ug/l #	51
38) Carbon Tetrachloride	7.65	117	32657	5.549	ug/l #	16
43) Isopropyl Acetate	8.15	43	97796	8.732	ug/l #	84
48) Methyl methacrylate	9.17	41	3050	0.537	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	6567	0.991	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	32512	4.104	ug/l #	67
57) 1,3-Dichloropropane	10.77	76	3890	0.436	ug/l #	43
59) 2-Hexanone	10.76	43	56820	11.437	ug/l #	55
74) N-amyl acetate	12.04	43	4477	0.503	ug/l #	49
76) 1,2,3-Trichloropropane	12.41	75	177237	29.742	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	177237	104.662	ug/l #	6
95) Naphthalene	15.14	128	829	Below Cal	#	69

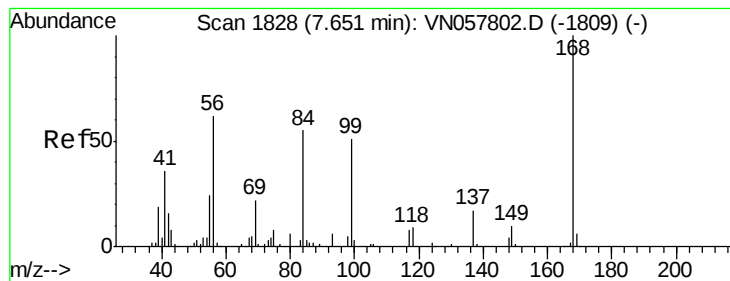
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

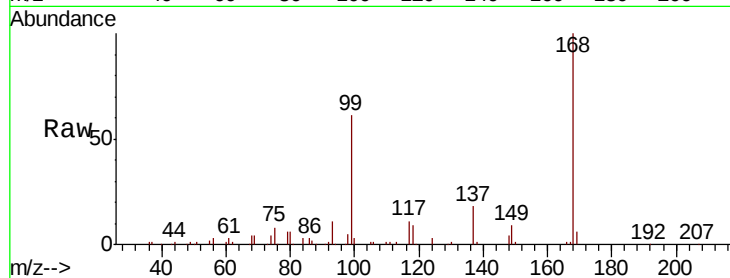
T1-3-(0)

Tgt Ion: 168 Resp: 309665

Ion Ratio Lower Upper

168 100

99 61.3 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

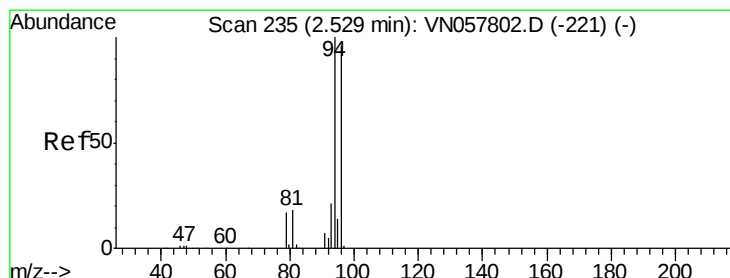
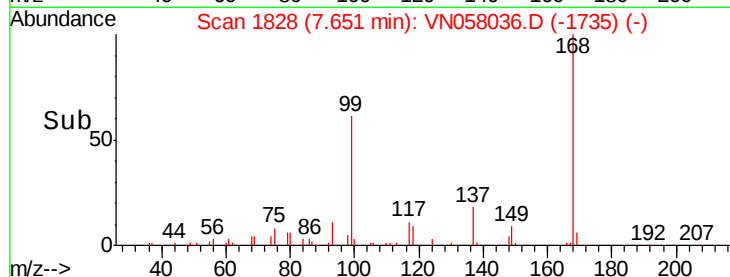
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.50 min Scan# 225

Delta R.T. -0.03 min

Lab File: VN058036.D

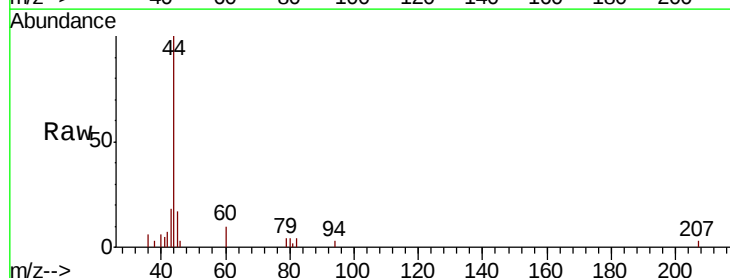
Acq: 13 Sep 2019 22:41

Tgt Ion: 94 Resp: 82

Ion Ratio Lower Upper

94 100

96 0.0 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) (-)

250

200

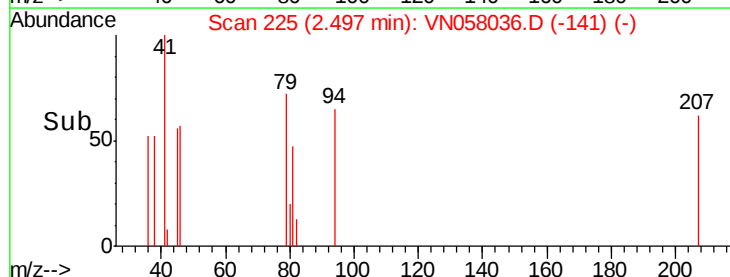
150

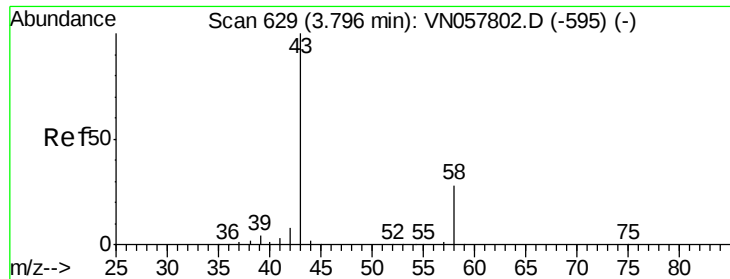
100

50

0

Time-->





#16

Acetone

Concen: 8.323 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

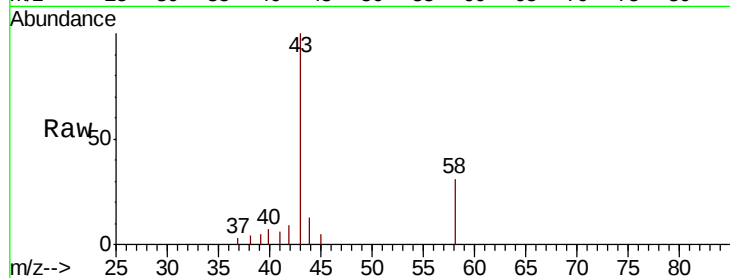
T1-3-(0)

Tgt Ion: 43 Resp: 17112

Ion Ratio Lower Upper

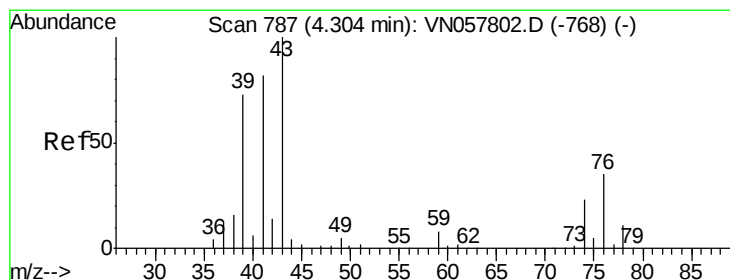
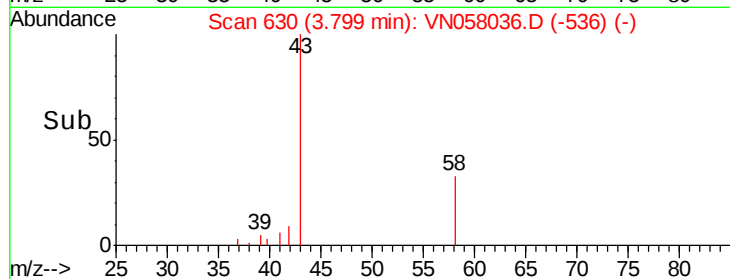
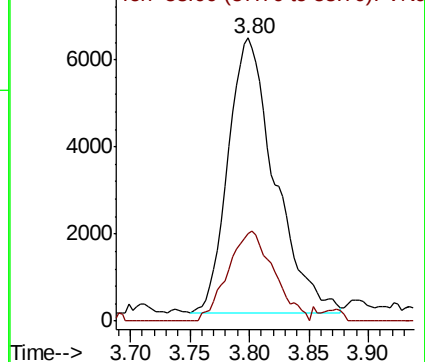
43 100

58 31.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)



#18

Methyl Acetate

Concen: 1.173 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058036.D

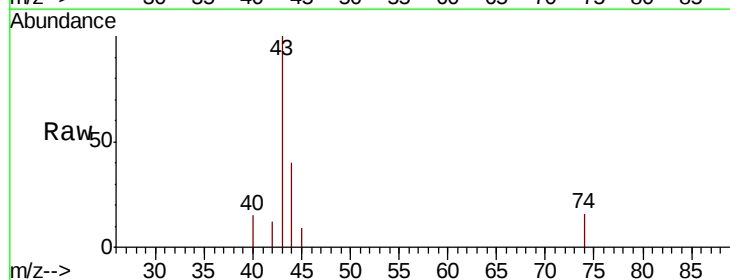
Acq: 13 Sep 2019 22:41

Tgt Ion: 43 Resp: 6430

Ion Ratio Lower Upper

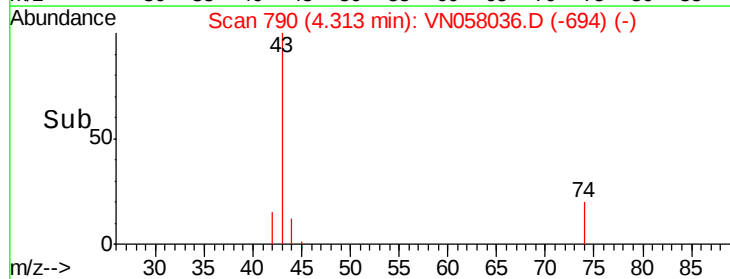
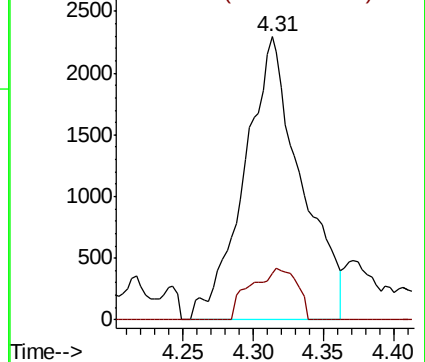
43 100

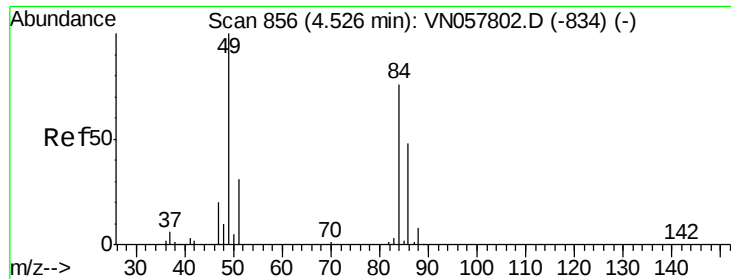
74 14.9 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)

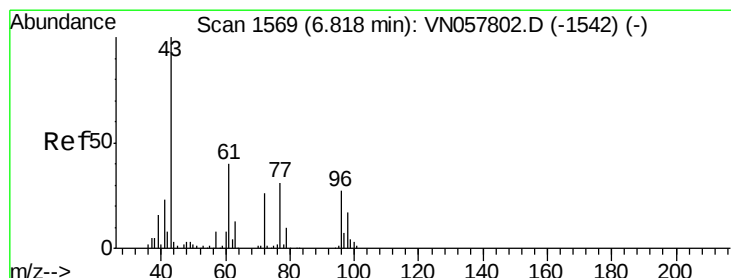
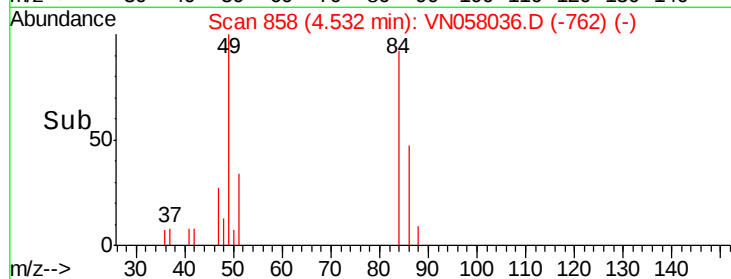
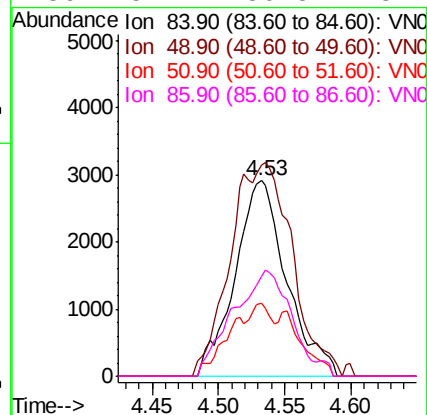
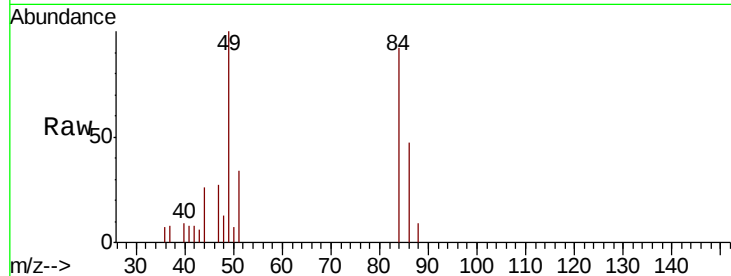




#20
Methylene Chloride
Concen: 0.807 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058036.D
Acq: 13 Sep 2019 22:41

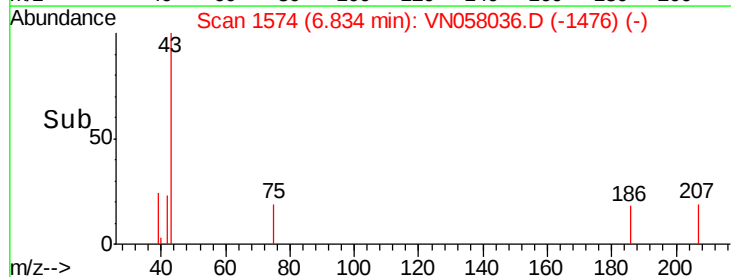
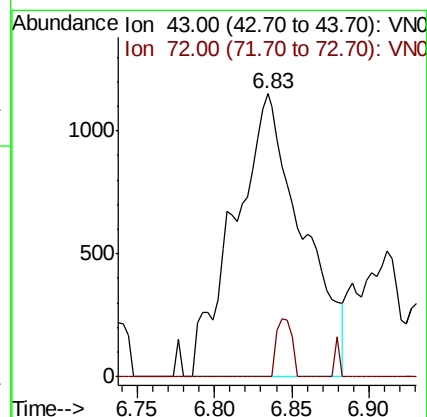
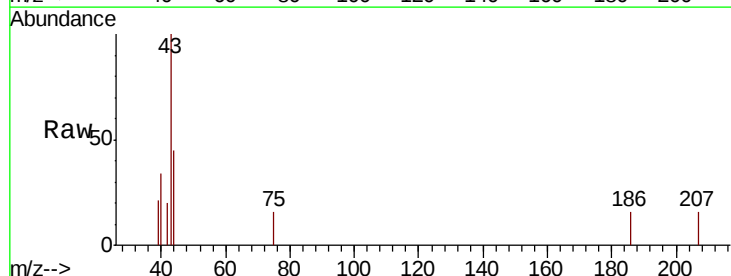
Instrument :
MSVOA_N
ClientSampleId :
T1-3-(0)

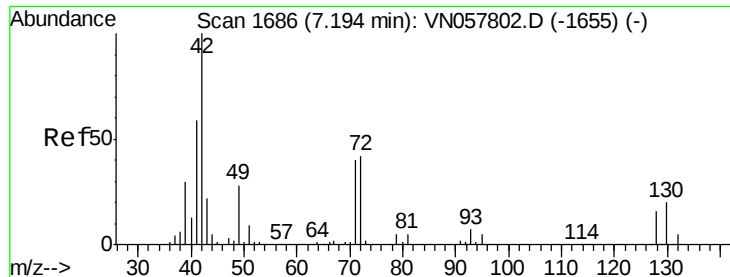
Tgt Ion: 84 Resp: 7898
Ion Ratio Lower Upper
84 100
49 108.3 104.8 157.2
51 37.1 33.0 49.4
86 51.4 50.5 75.7



#25
2-Butanone
Concen: 1.180 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN058036.D
Acq: 13 Sep 2019 22:41

Tgt Ion: 43 Resp: 3512
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#





#29

Tetrahydrofuran

Concen: 0.231 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampled :

T1-3-(0)

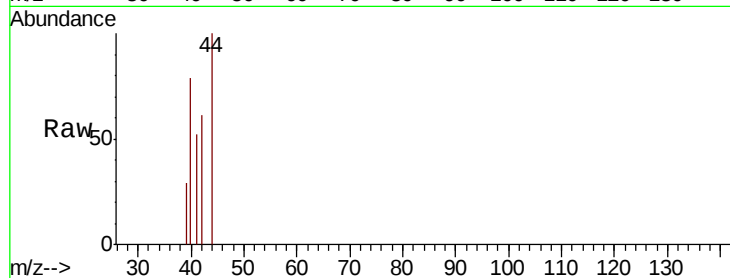
Tgt Ion: 42 Resp: 423

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

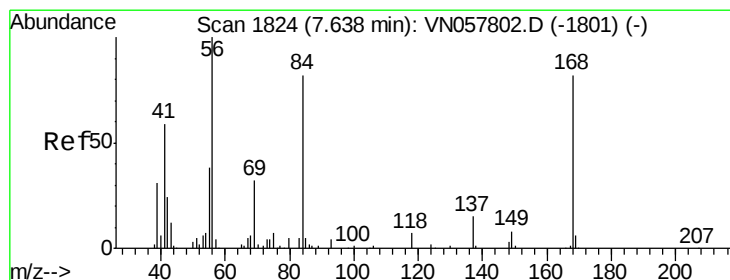
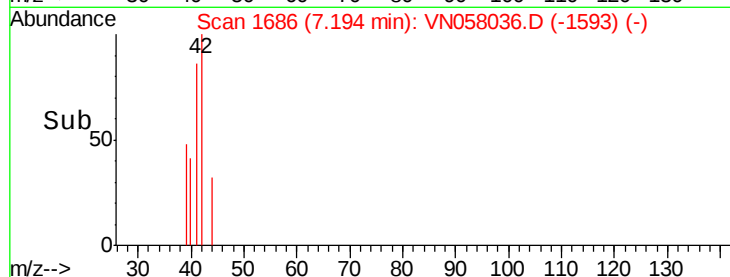
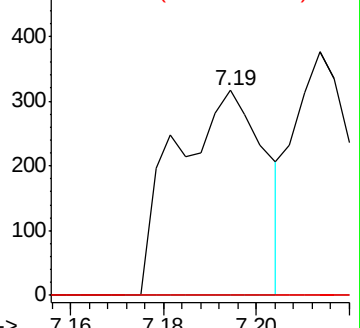
71 0.0 31.9 47.9#



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# 1827

Delta R.T. 0.01 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

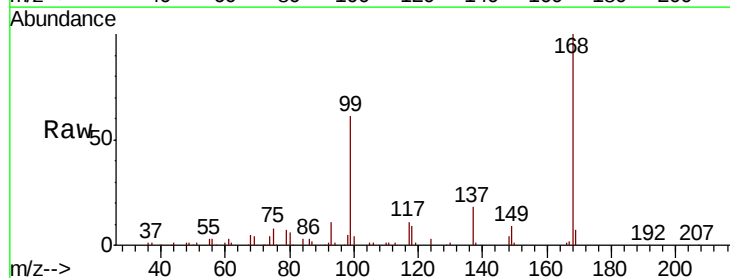
Tgt Ion: 56 Resp: 8527

Ion Ratio Lower Upper

56 100

69 155.2 25.9 38.9#

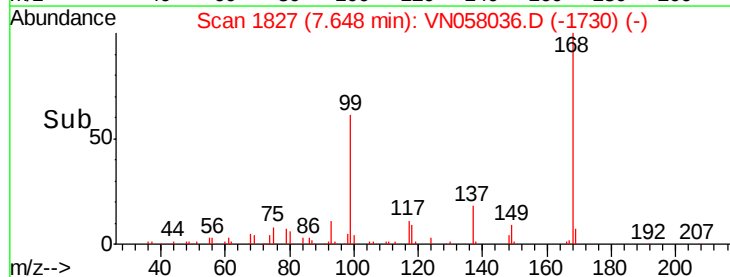
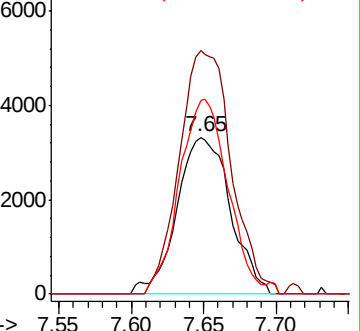
84 123.7 65.6 98.4#

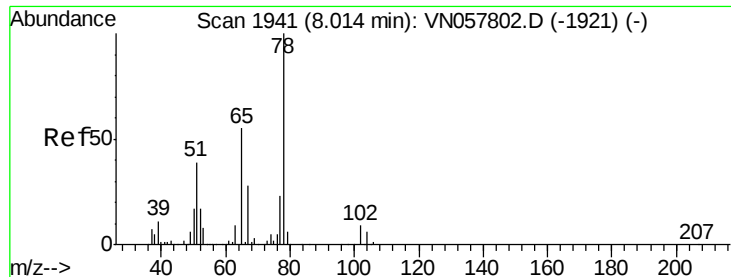


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

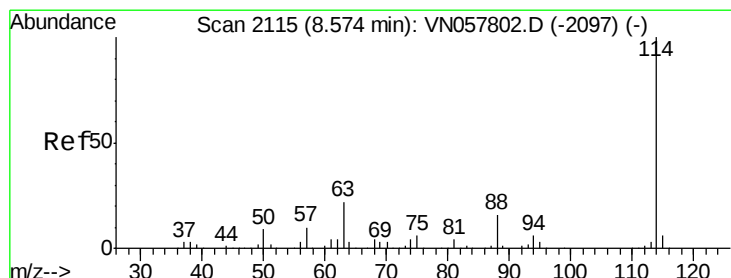
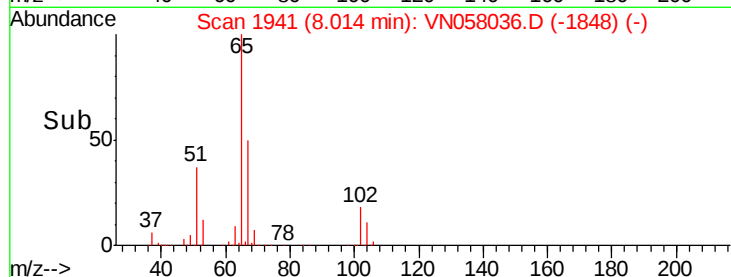
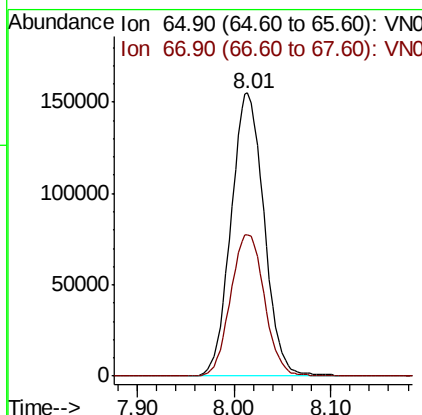
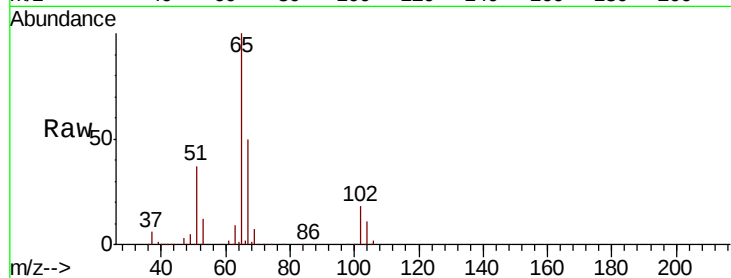




#33
 1,2-Dichloroethane-d4
 Concen: 58.615 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

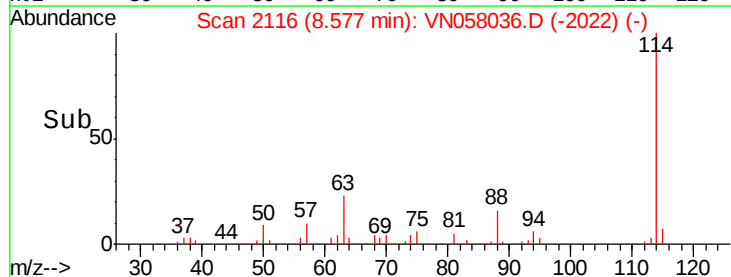
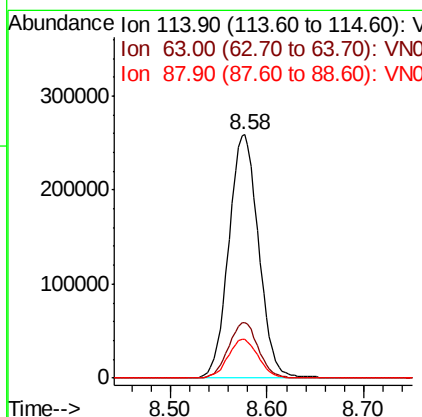
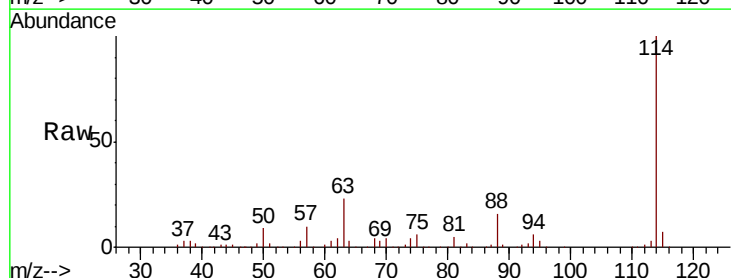
Instrument :
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 ClientSampleId :
 T1-3-(0)

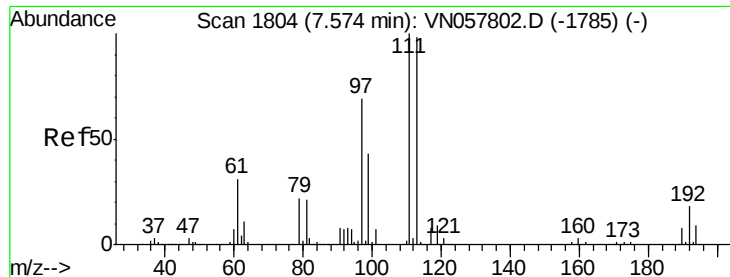
Tgt Ion: 65 Resp: 367633
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

Tgt Ion: 114 Resp: 555843
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.0
 88 15.8 0.0 31.4

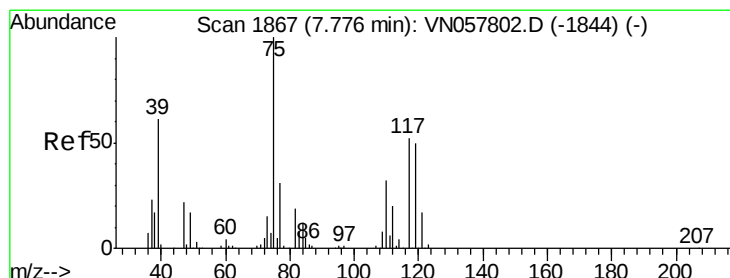
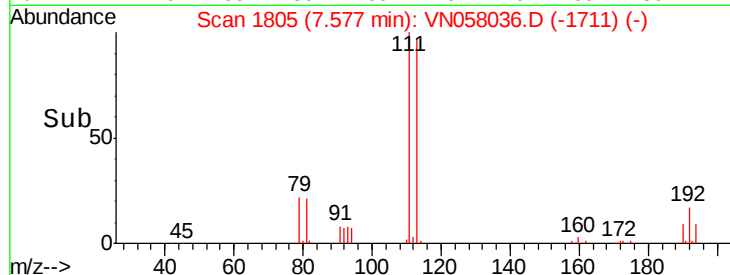
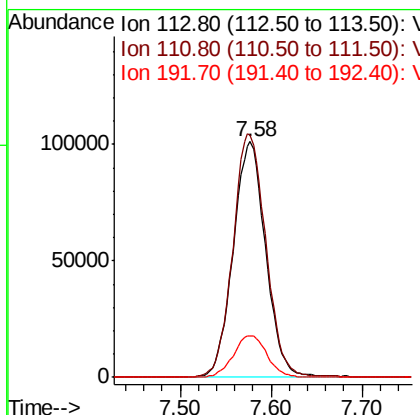
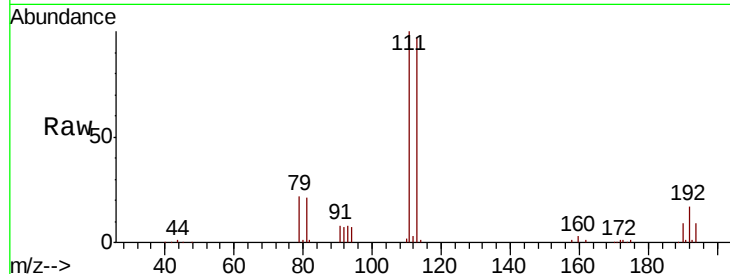




#35
 Dibromofluoromethane
 Concen: 48.977 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

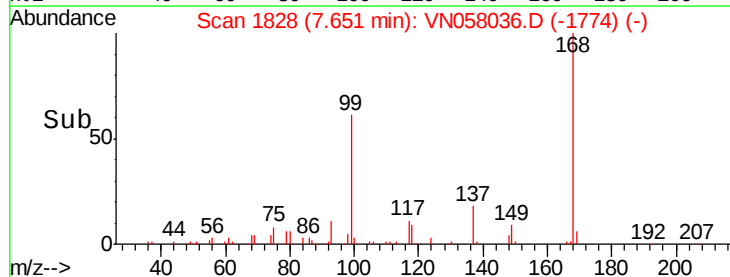
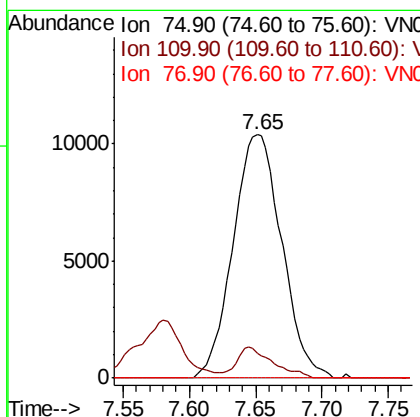
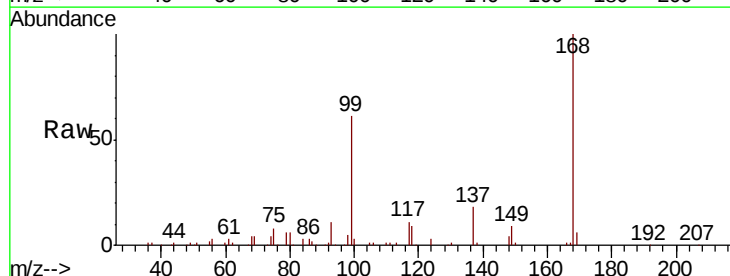
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-3-(0)

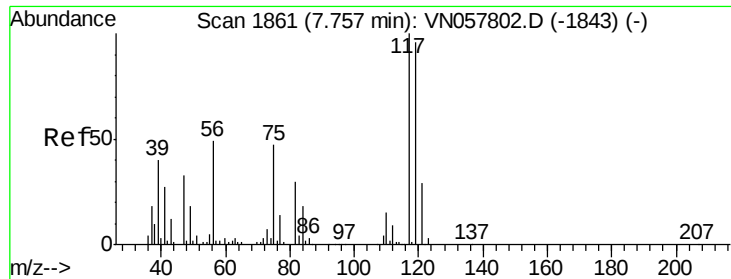
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.8	81.3	121.9
192	18.4	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.114 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.549 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

T1-3-(0)

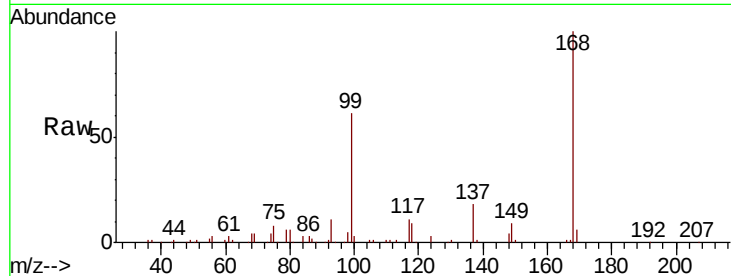
Tgt Ion:117 Resp: 32657

Ion Ratio Lower Upper

117 100

119 4.7 76.9 115.3#

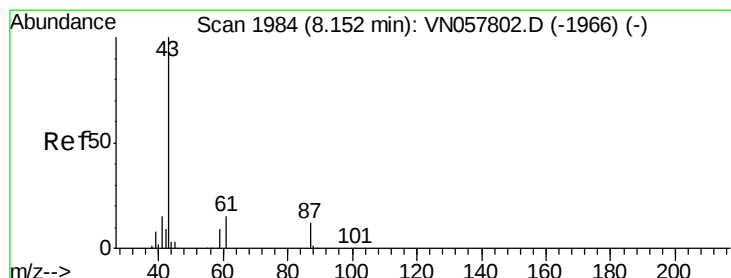
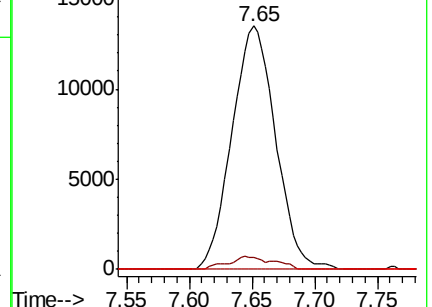
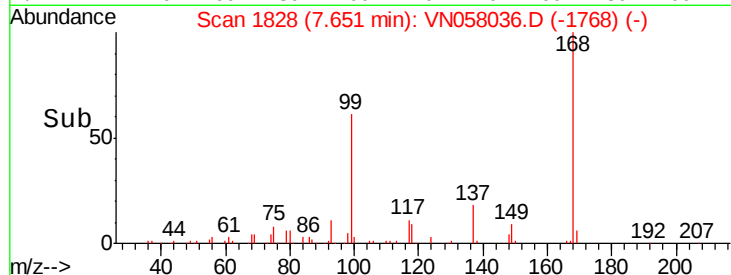
121 0.0 23.4 35.2#



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: 8.732 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

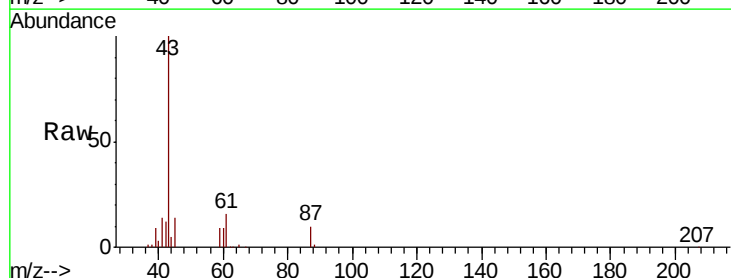
Tgt Ion: 43 Resp: 97796

Ion Ratio Lower Upper

43 100

61 14.9 20.1 30.1#

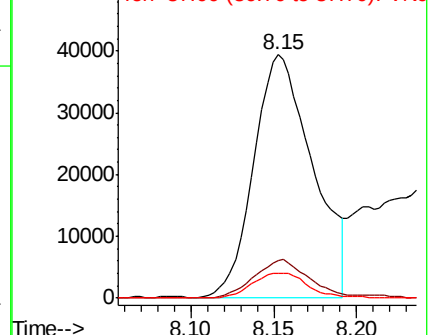
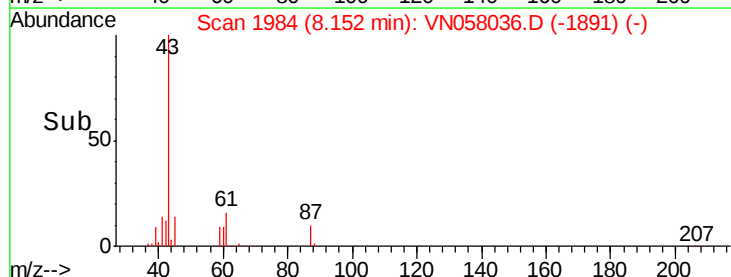
87 9.6 9.5 14.3

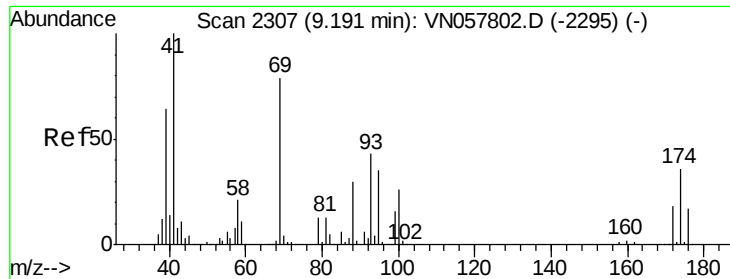


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

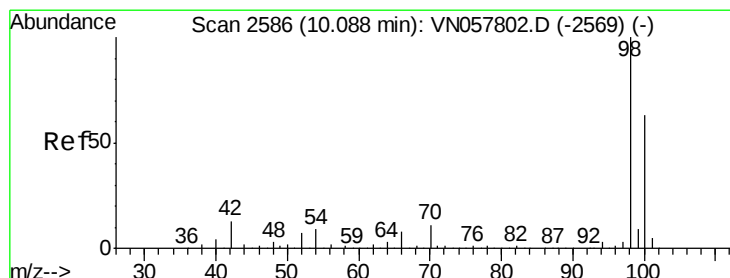
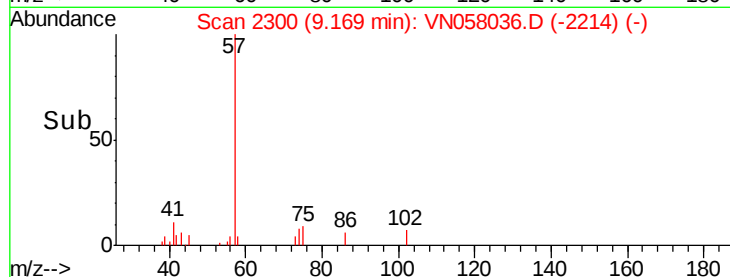
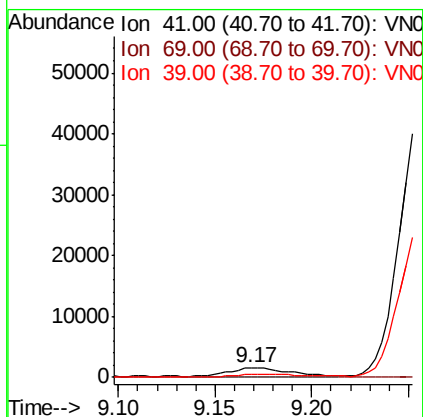
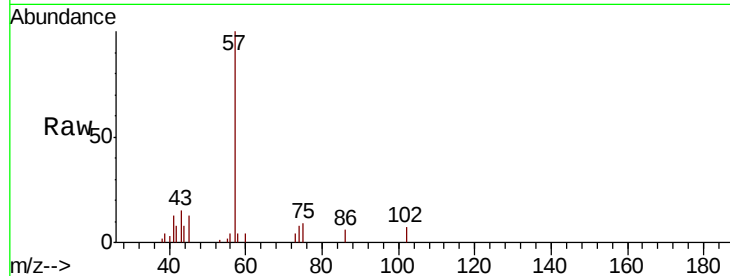




#48
Methyl methacrylate
Concen: 0.537 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.02 min
Lab File: VN058036.D
Acq: 13 Sep 2019 22:41

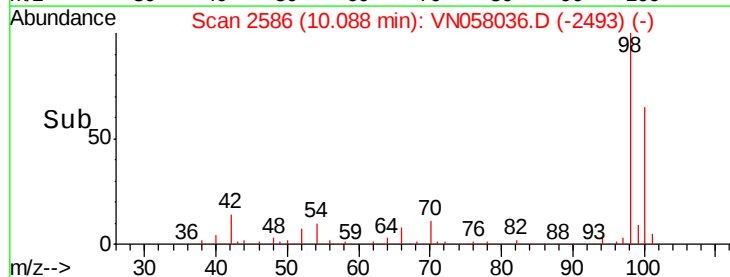
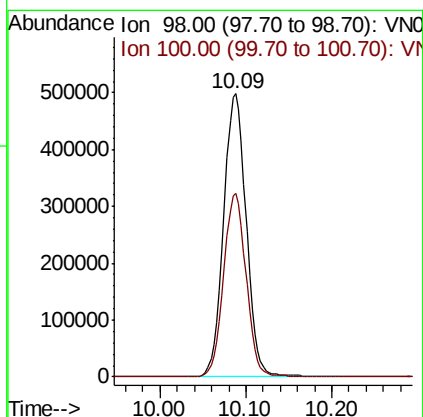
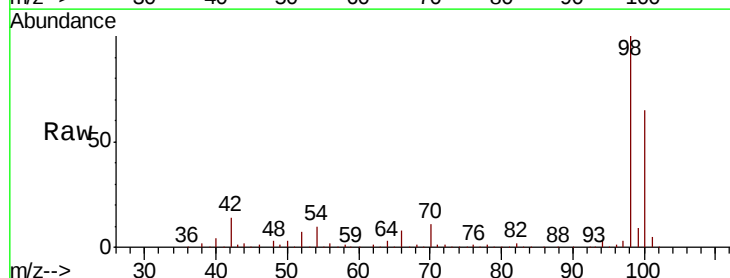
Instrument :
MSVOA_N
ClientSampled :
T1-3-(0)

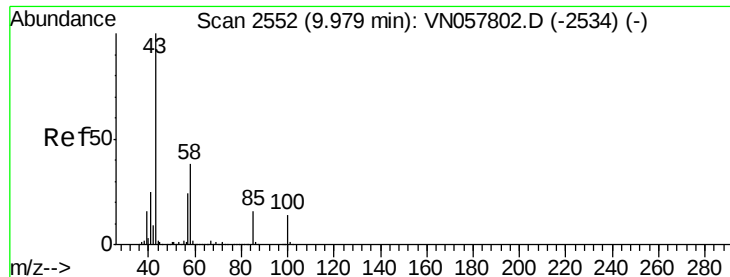
Tgt Ion: 41 Resp: 3050
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 0.0 52.7 79.1#



#50
Toluene-d8
Concen: 45.876 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058036.D
Acq: 13 Sep 2019 22:41

Tgt Ion: 98 Resp: 913762
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5

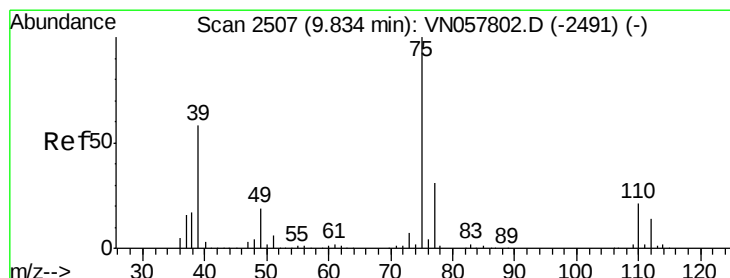
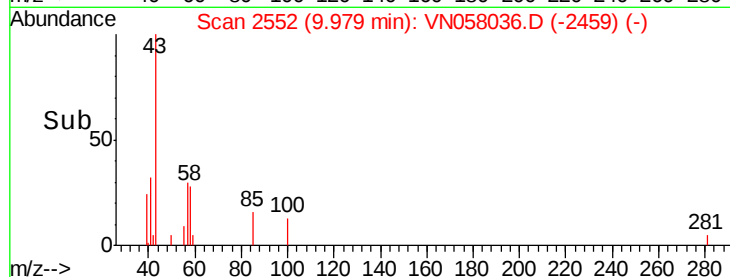
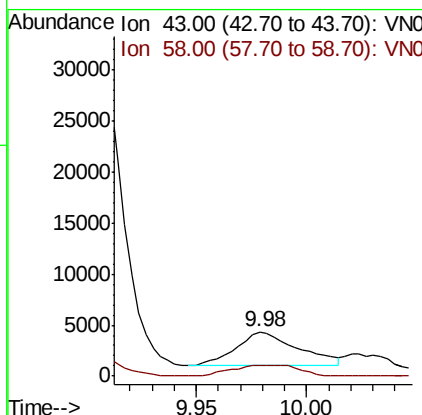
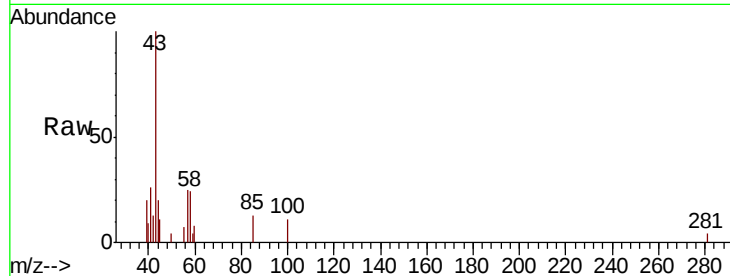




#51
 4-Methyl-2-Pentanone
 Concen: 0.991 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

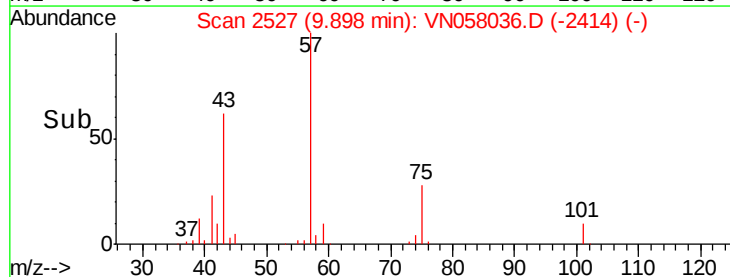
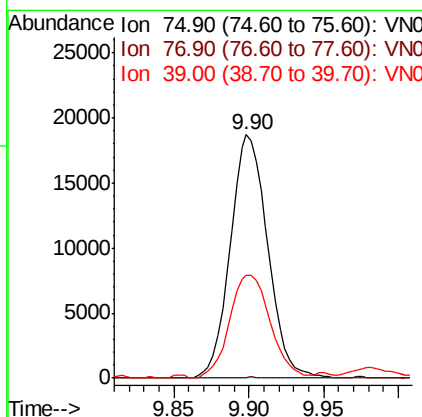
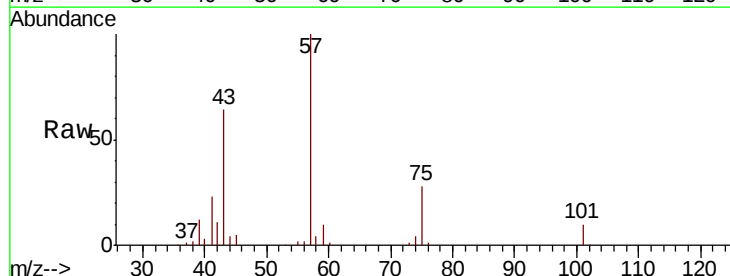
Instrument :
 MSVOA_N
 ClientSampleId :
 T1-3-(0)

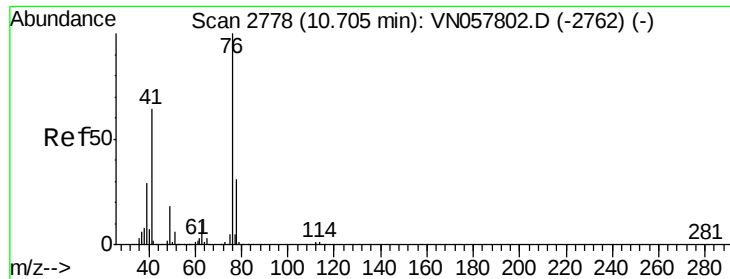
Tgt Ion: 43 Resp: 6567
 Ion Ratio Lower Upper
 43 100
 58 34.0 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 4.104 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

Tgt Ion: 75 Resp: 32512
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 42.2 46.2 69.4#

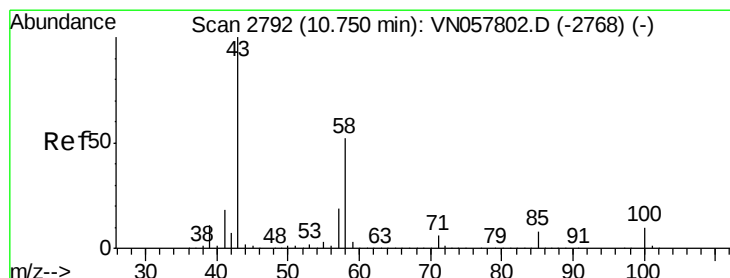
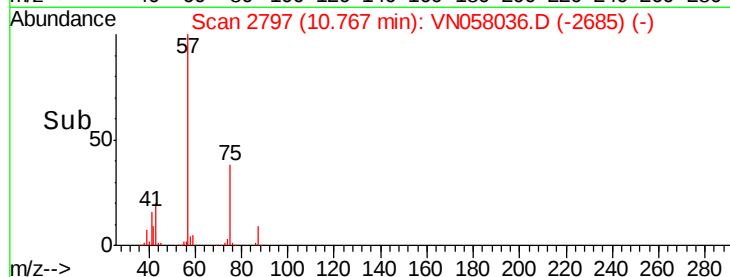
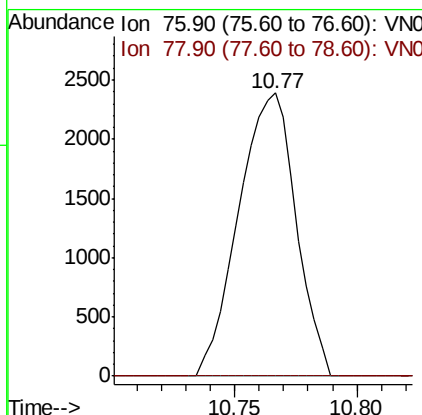
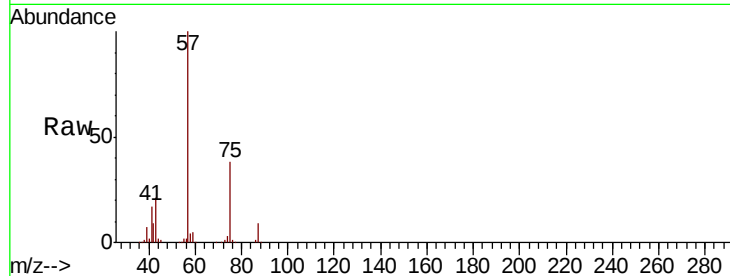




#57
 1,3-Dichloropropane
 Concen: 0.436 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

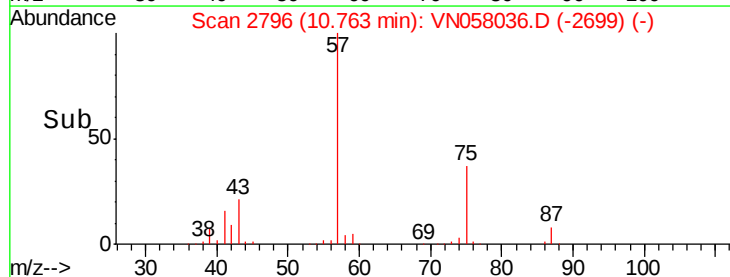
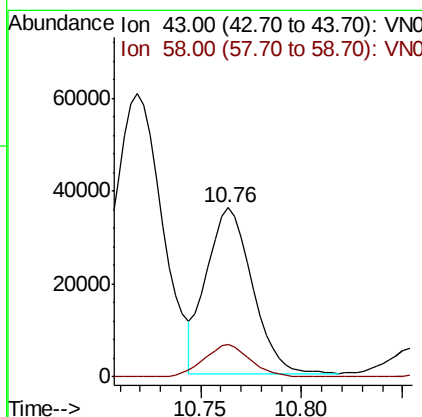
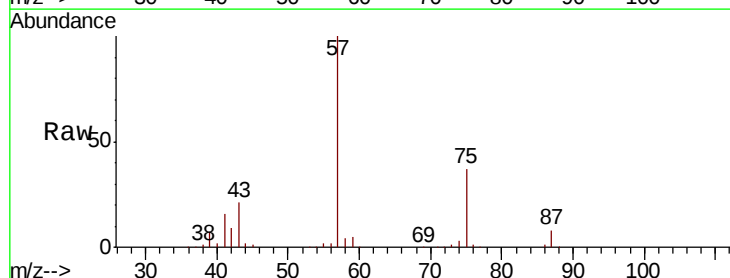
Instrument :
 MSVOA_N
 ClientSampled :
 T1-3-(0)

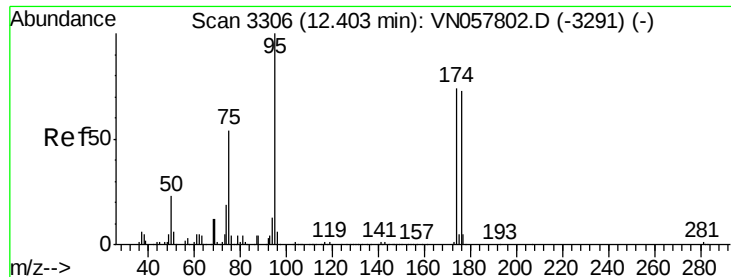
Tgt Ion: 76 Resp: 3890
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



#59
 2-Hexanone
 Concen: 11.437 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN058036.D
 Acq: 13 Sep 2019 22:41

Tgt Ion: 43 Resp: 56820
 Ion Ratio Lower Upper
 43 100
 58 19.9 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 42.470 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

T1-3-(0)

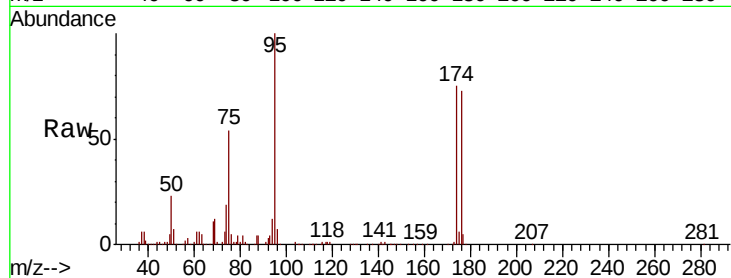
Tgt Ion: 95 Resp: 322371

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.2

176 71.4 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN058036.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058036.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058036.D (-3291) (-)

12.41

200000

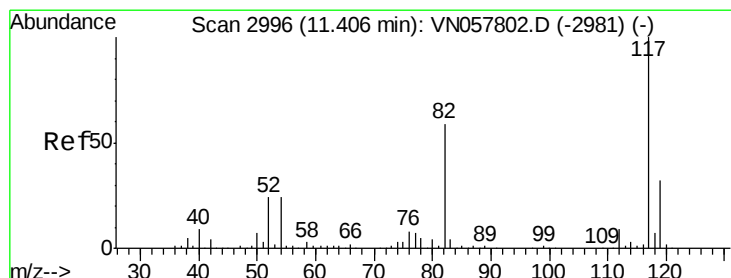
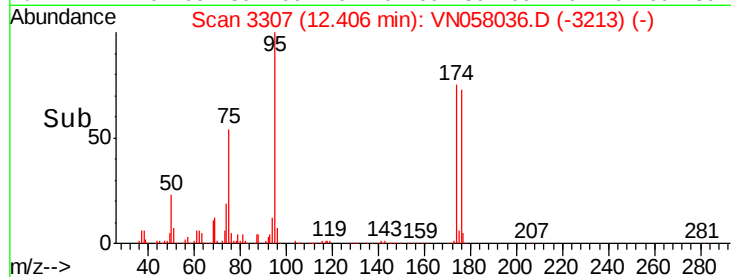
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

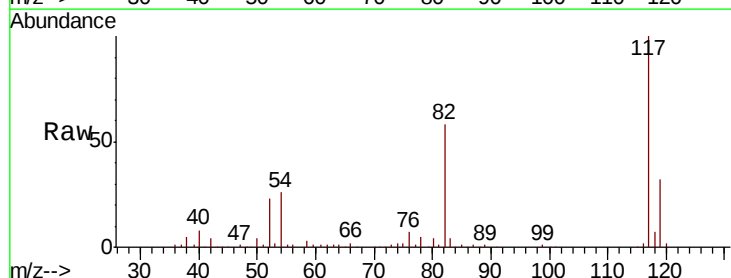
Tgt Ion: 117 Resp: 510161

Ion Ratio Lower Upper

117 100

82 58.4 47.2 70.8

119 31.7 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): VN058036.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058036.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058036.D (-2903) (-)

11.41

400000

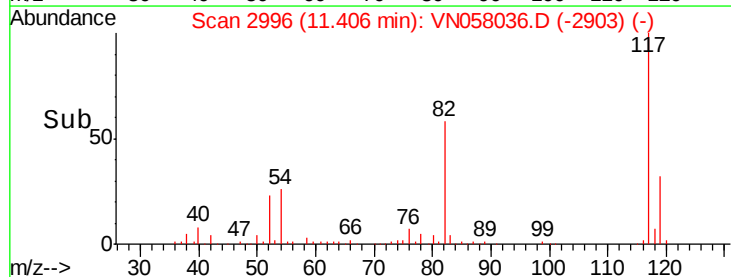
300000

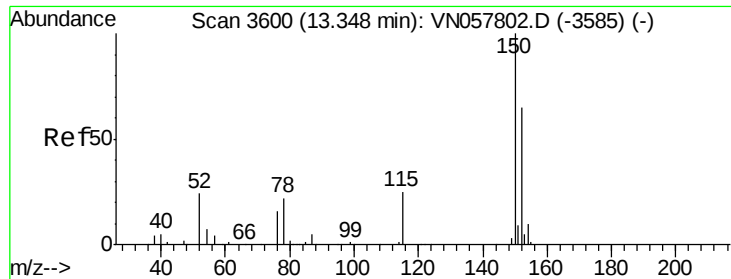
200000

100000

0

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

T1-3-(0)

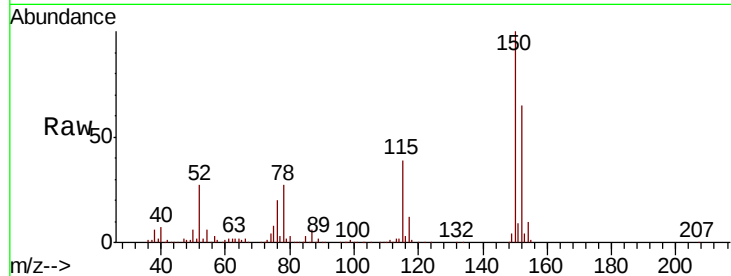
Tgt Ion:152 Resp: 263428

Ion Ratio Lower Upper

152 100

115 60.5 30.3 91.0

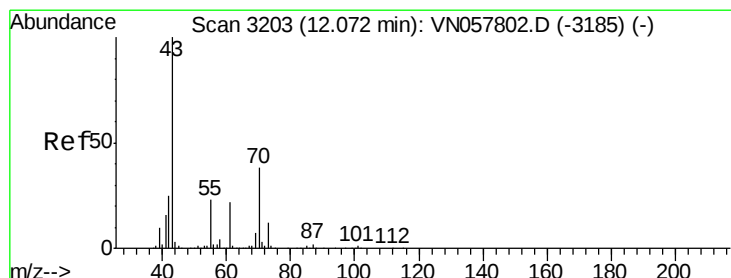
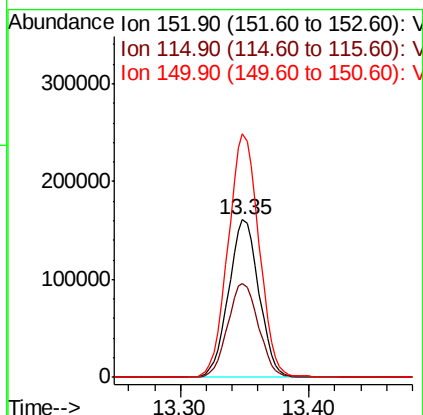
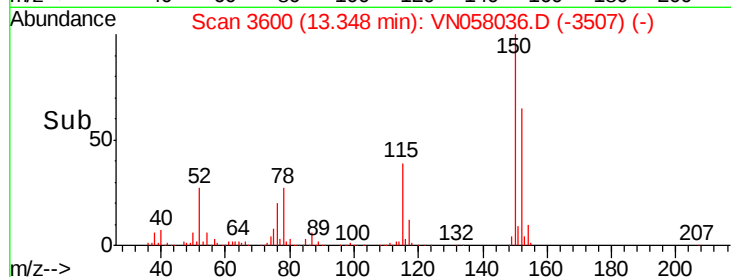
150 156.9 0.0 352.4



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: 0.503 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Tgt Ion: 43 Resp: 4477

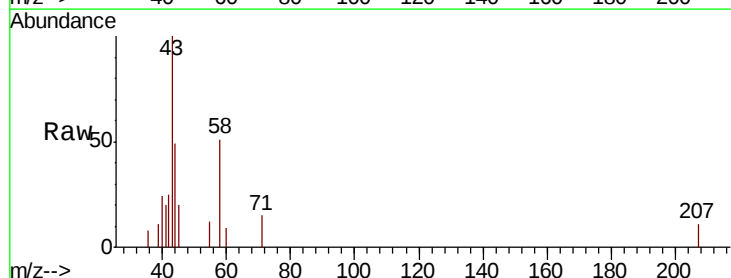
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 5.8 18.6 27.8#

61 0.0 17.4 26.2#

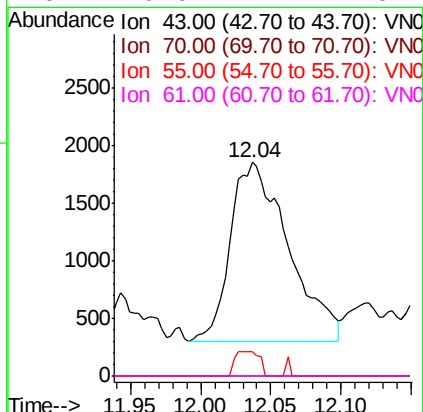
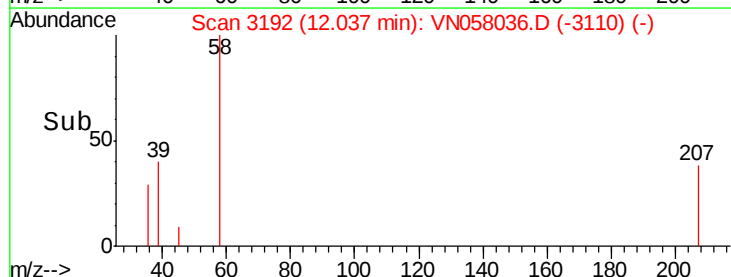


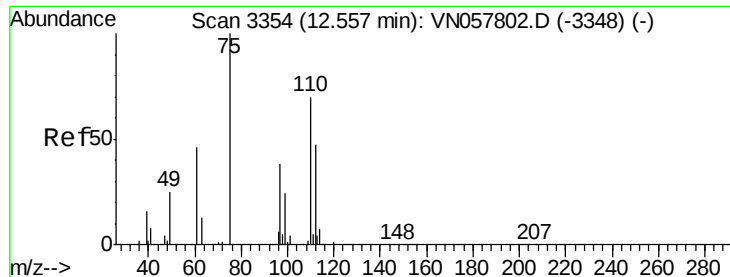
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 29.742 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampled :

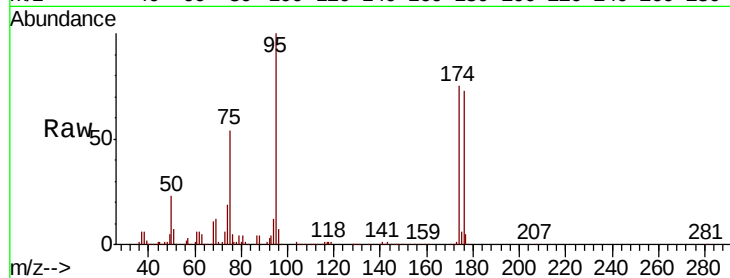
T1-3-(0)

Tgt Ion: 75 Resp: 177237

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

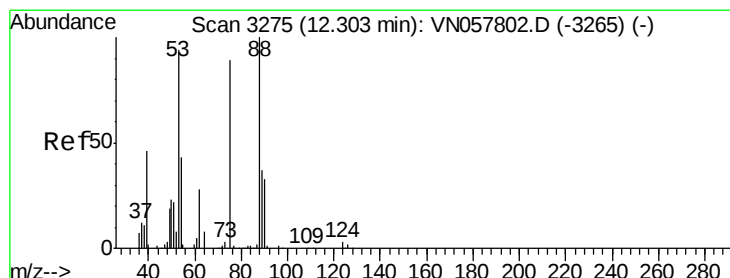
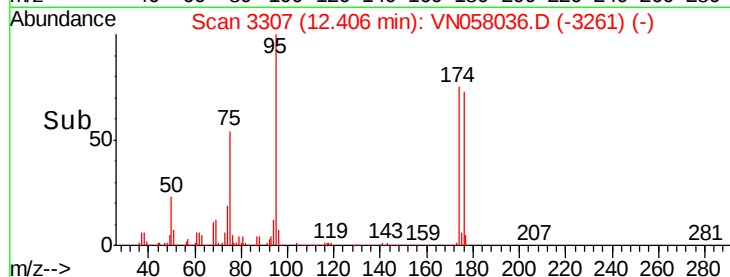
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 104.662 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058036.D

Acq: 13 Sep 2019 22:41

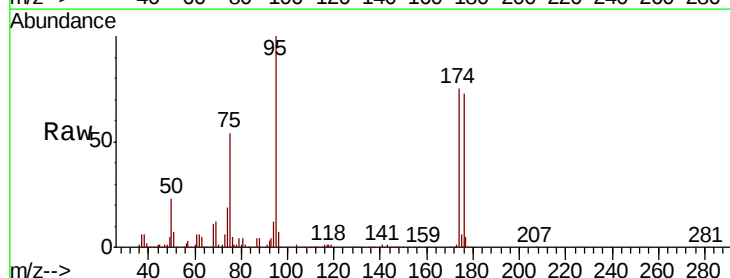
Tgt Ion: 75 Resp: 177237

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

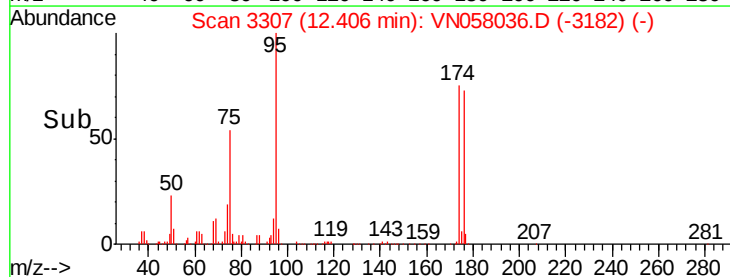
100000

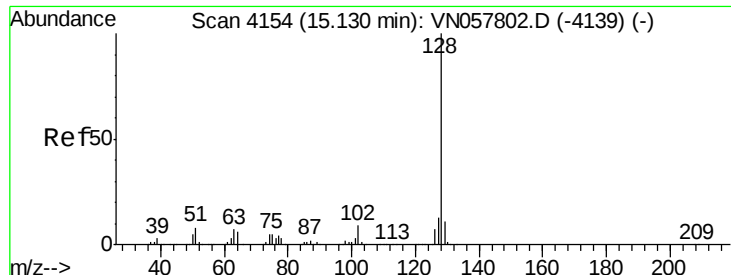
50000

0

12.35 12.40 12.45

Time-->





#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN058036.D

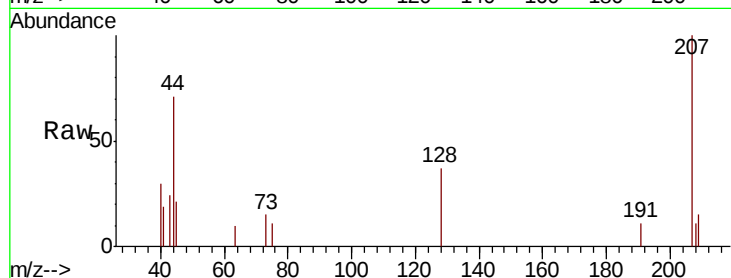
Acq: 13 Sep 2019 22:41

Instrument :

MSVOA_N

ClientSampleId :

T1-3-(0)



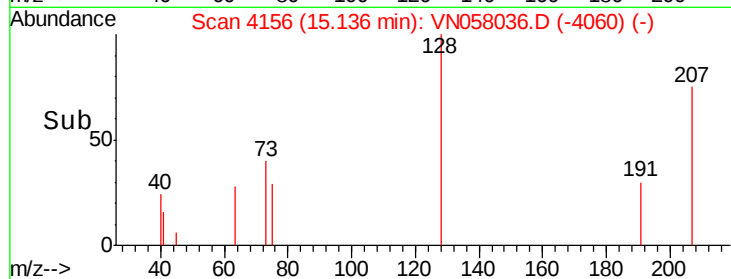
Tgt Ion:128 Resp: 829

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

