

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091419\
 Data File : VN058043.D
 Acq On : 14 Sep 2019 1:15
 Operator : JC/SP
 Sample : K4694-33
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-2-(1.5)

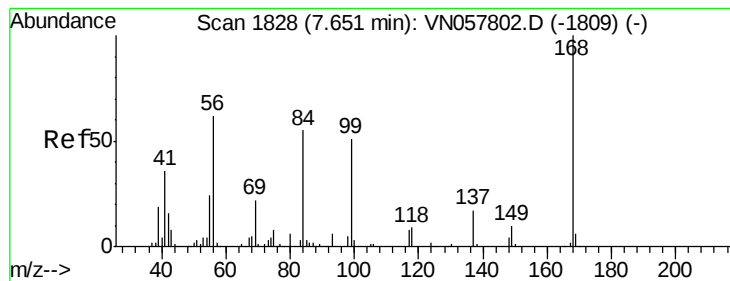
Quant Time: Sep 14 03:42:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	311100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	538296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249843	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	334524	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	7.58	113	231041	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	10.09	98	876852	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	
62) 4-Bromofluorobenzene	12.40	95	301974	41.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	30	Below Cal	#	55
16) Acetone	3.80	43	24392	11.809	ug/l	99
18) Methyl Acetate	4.32	43	5209	0.946	ug/l #	70
20) Methylene Chloride	4.53	84	9499	1.215	ug/l #	85
25) 2-Butanone	6.83	43	1676	0.561	ug/l #	89
29) Tetrahydrofuran	7.19	42	383	0.208	ug/l #	34
31) Cyclohexane	7.65	56	7278	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	27508	4.406	ug/l #	47
38) Carbon Tetrachloride	7.65	117	31724	5.566	ug/l #	15
43) Isopropyl Acetate	8.16	43	84597	7.799	ug/l #	81
48) Methyl methacrylate	9.18	41	3701	0.673	ug/l #	38
51) 4-Methyl-2-Pentanone	9.98	43	5899	0.919	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	30392	3.961	ug/l #	73
56) Ethyl methacrylate	10.54	69	1783	0.236	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	2907	0.336	ug/l #	43
59) 2-Hexanone	10.76	43	46071	9.576	ug/l #	56
71) Bromoform	12.40	173	2611	0.943	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	164412	29.090	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164412	102.367	ug/l #	6
95) Naphthalene	15.14	128	746	Below Cal	#	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

Instrument :

MSVOA_N

ClientSampled :

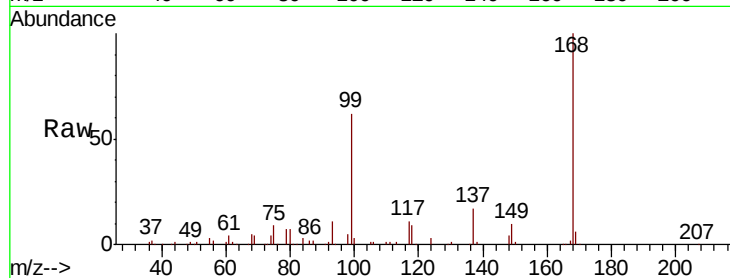
T2-2-(1.5)

Tgt Ion: 168 Resp: 311100

Ion Ratio Lower Upper

168 100

99 61.9 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

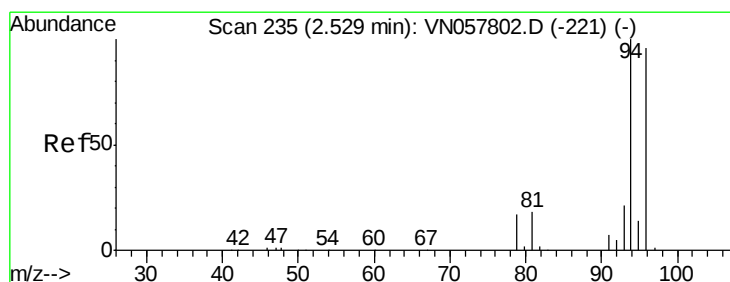
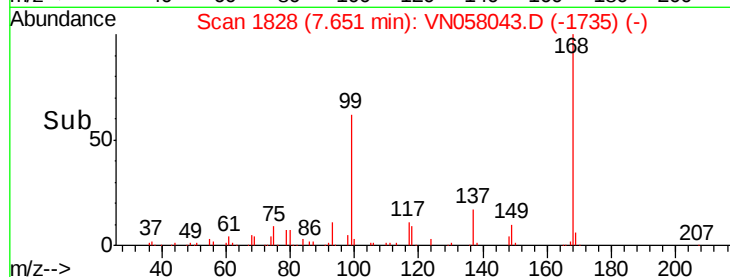
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058043.D

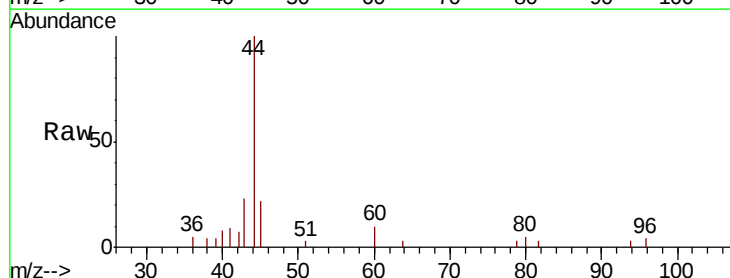
Acq: 14 Sep 2019 1:15

Tgt Ion: 94 Resp: 30

Ion Ratio Lower Upper

94 100

96 140.1 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

300

250

200

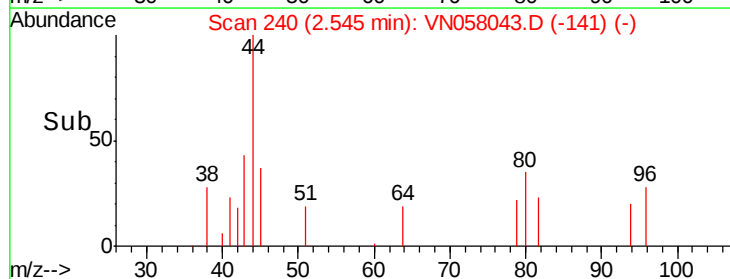
150

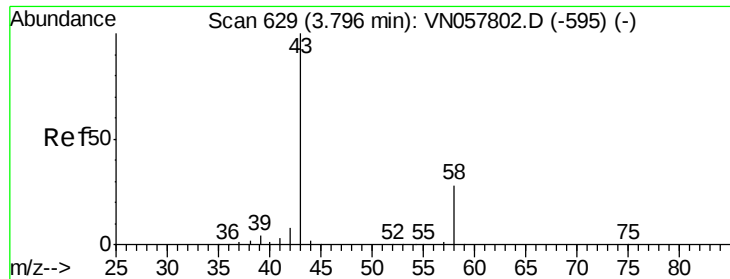
100

50

0

Time-->





#16

Acetone

Concen: 11.809 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

Instrument :

MSVOA_N

ClientSampleId :

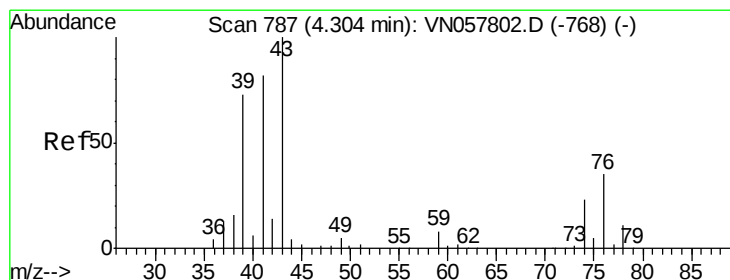
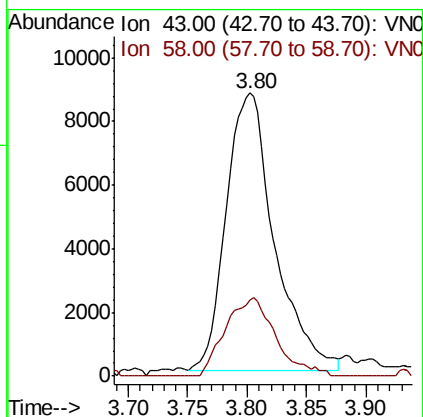
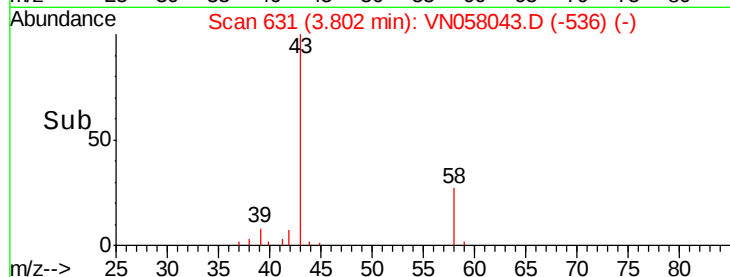
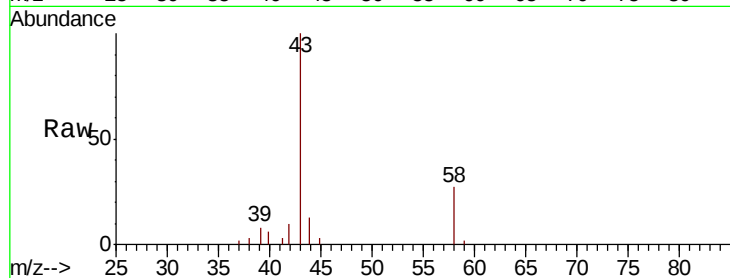
T2-2-(1.5)

Tgt Ion: 43 Resp: 24392

Ion Ratio Lower Upper

43 100

58 27.4 22.2 33.2



#18

Methyl Acetate

Concen: 0.946 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN058043.D

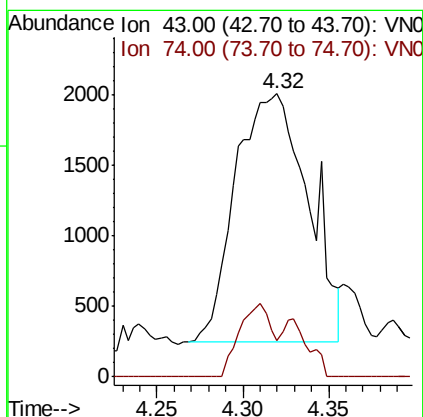
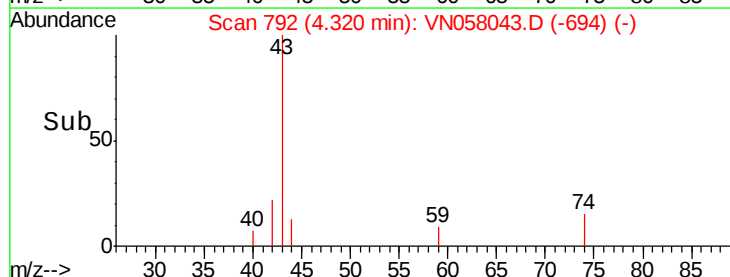
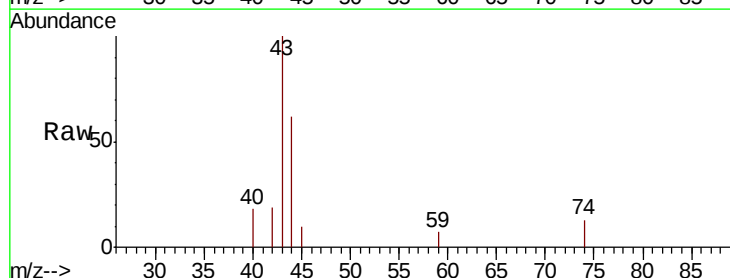
Acq: 14 Sep 2019 1:15

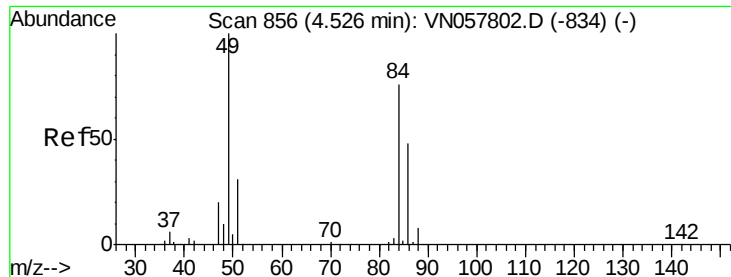
Tgt Ion: 43 Resp: 5209

Ion Ratio Lower Upper

43 100

74 8.2 17.9 26.9#

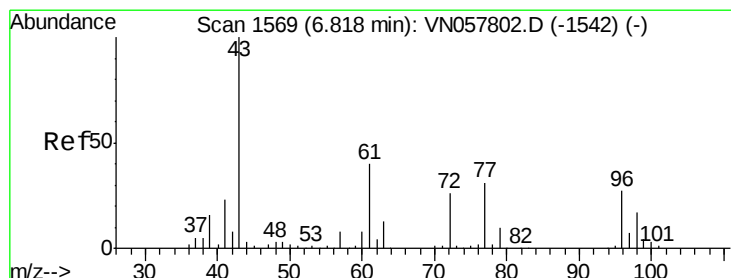
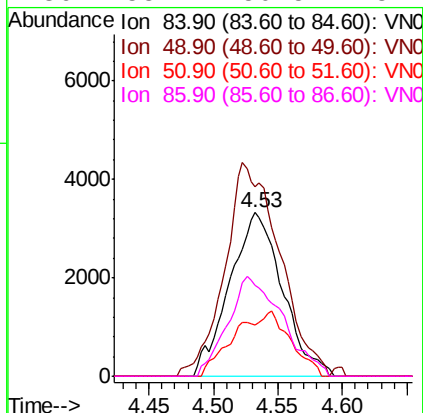
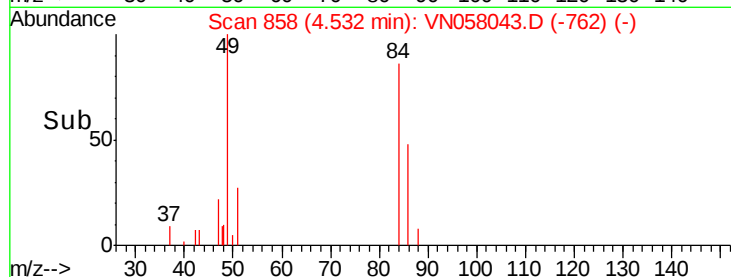
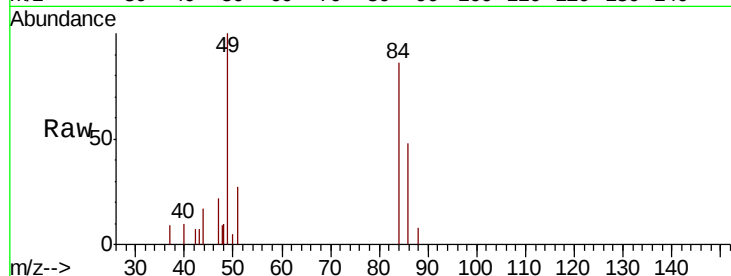




#20
Methylene Chloride
Concen: 1.215 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058043.D
Acq: 14 Sep 2019 1:15

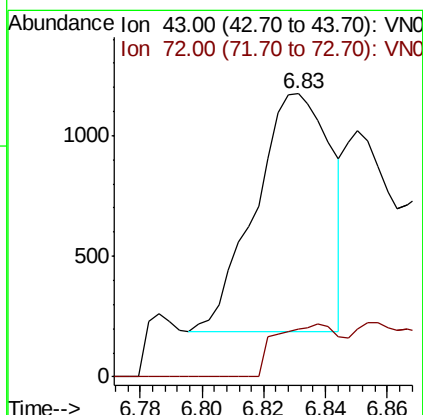
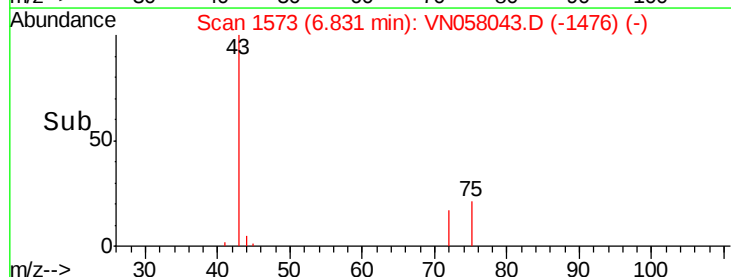
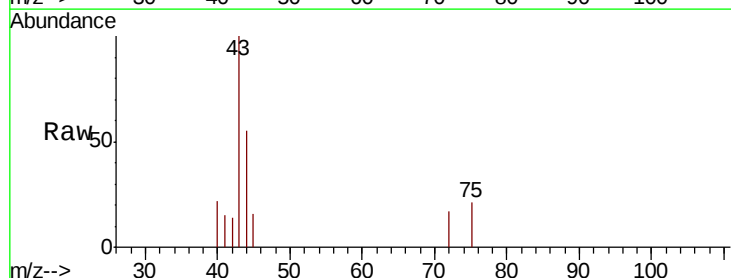
Instrument :
MSVOA_N
ClientSampleId :
T2-2-(1.5)

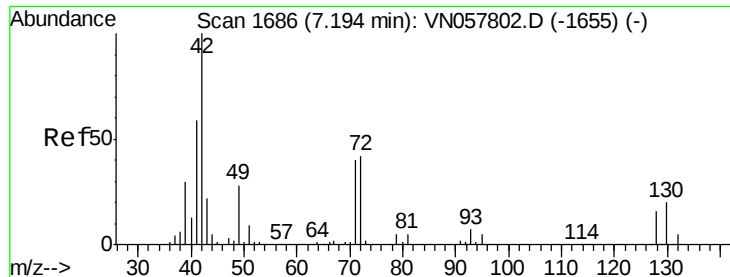
Tgt Ion: 84 Resp: 9499
Ion Ratio Lower Upper
84 100
49 110.1 104.8 157.2
51 31.4 33.0 49.4#
86 55.4 50.5 75.7



#25
2-Butanone
Concen: 0.561 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN058043.D
Acq: 14 Sep 2019 1:15

Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
72 20.1 20.6 30.8#





#29

Tetrahydrofuran

Concen: 0.208 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

Instrument :

MSVOA_N

ClientSampleId :

T2-2-(1.5)

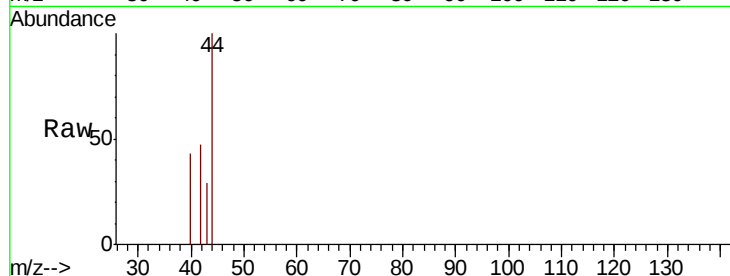
Tgt Ion: 42 Resp: 383

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

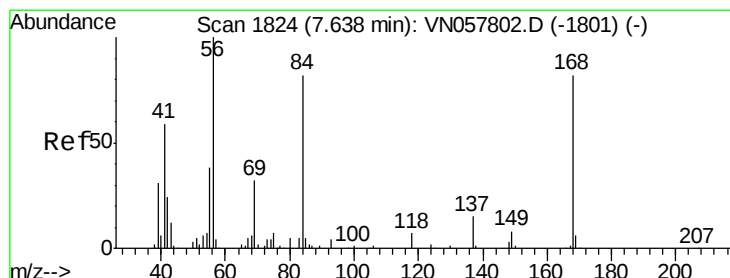
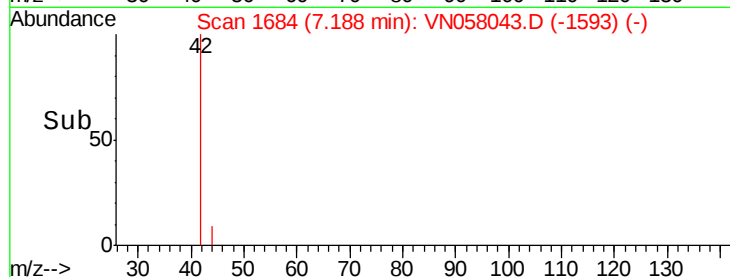
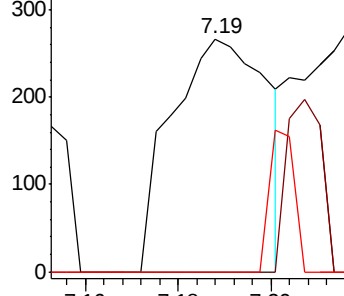
71 0.0 31.9 47.9#



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# 1828

Delta R.T. 0.01 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

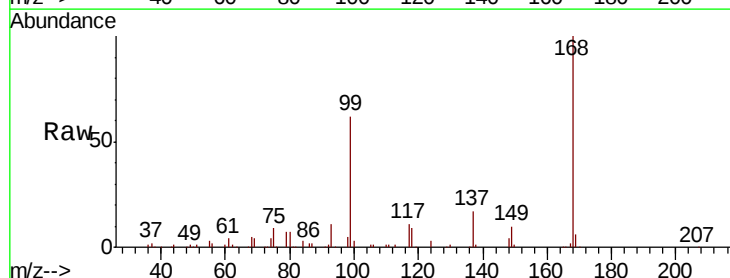
Tgt Ion: 56 Resp: 7278

Ion Ratio Lower Upper

56 100

69 184.2 25.9 38.9#

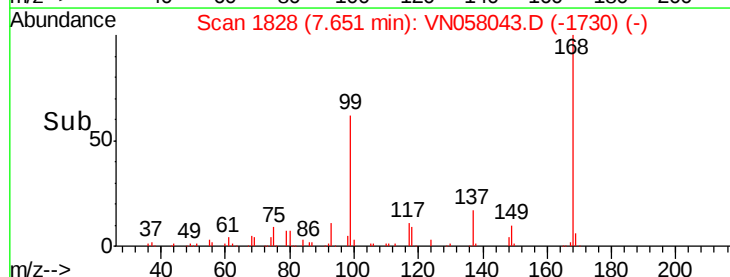
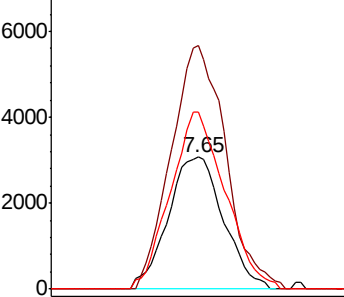
84 133.5 65.6 98.4#

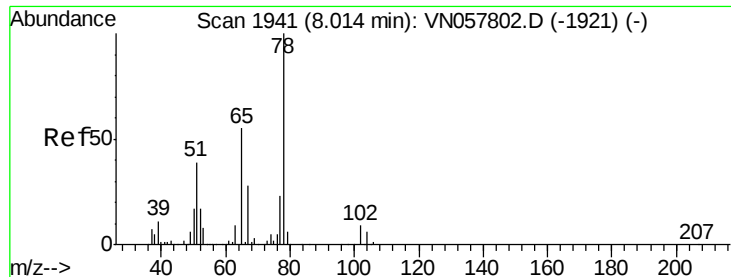


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

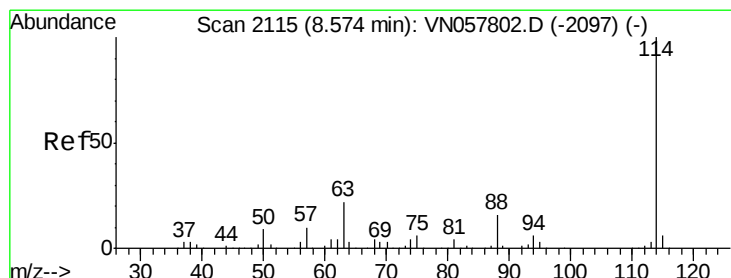
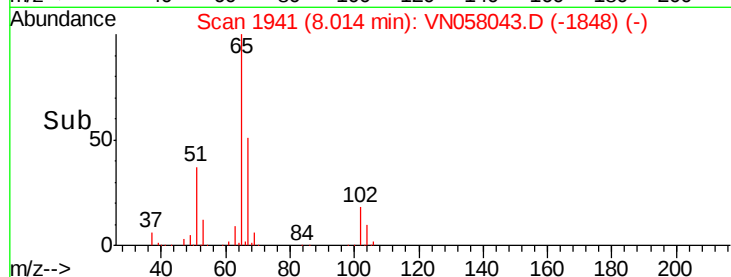
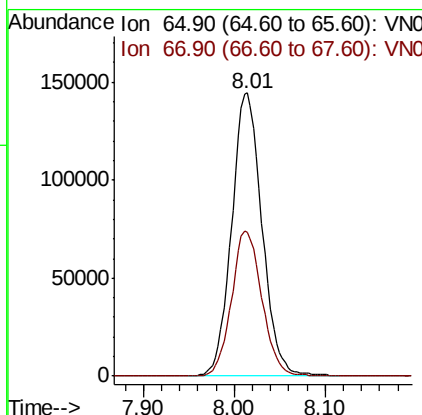
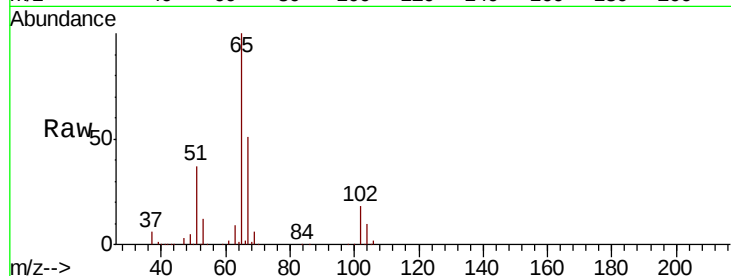




#33
 1,2-Dichloroethane-d4
 Concen: 53.090 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

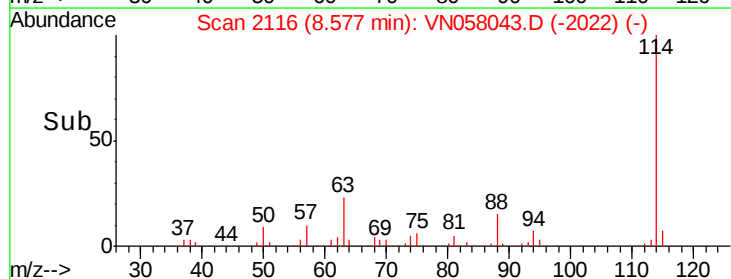
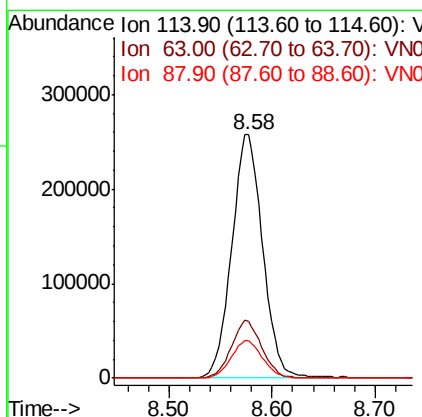
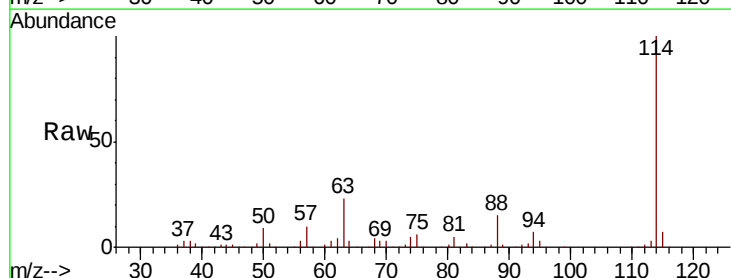
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-2-(1.5)

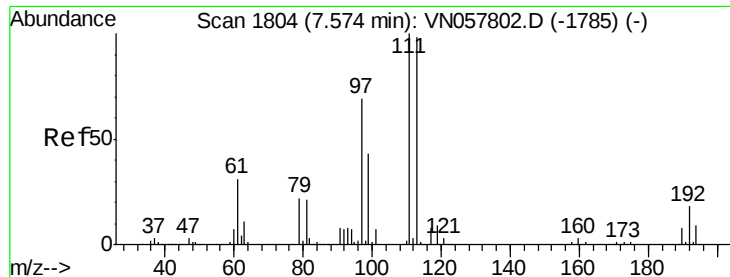
Tgt Ion: 65 Resp: 334524
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

Tgt Ion: 114 Resp: 538296
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 44.0
 88 15.4 0.0 31.4

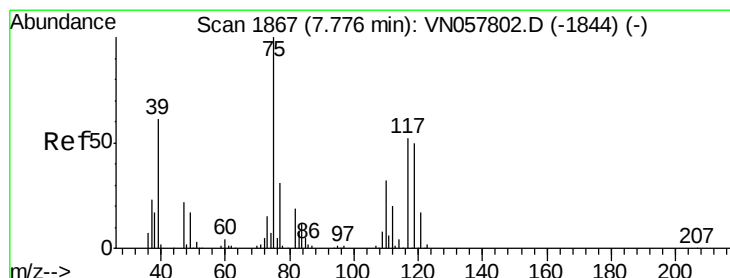
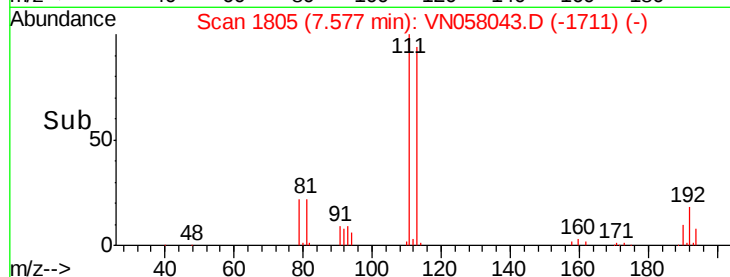
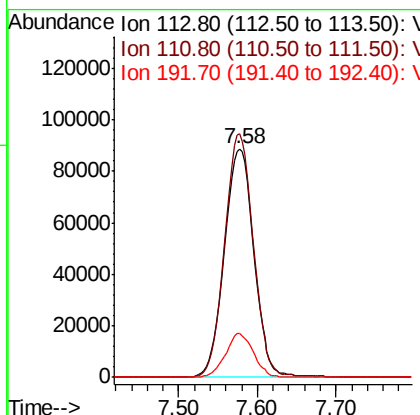
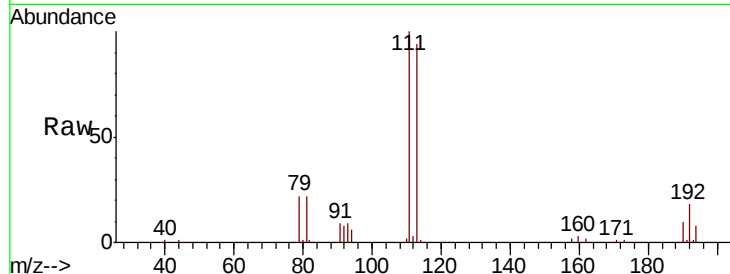




#35
 Dibromofluoromethane
 Concen: 46.503 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

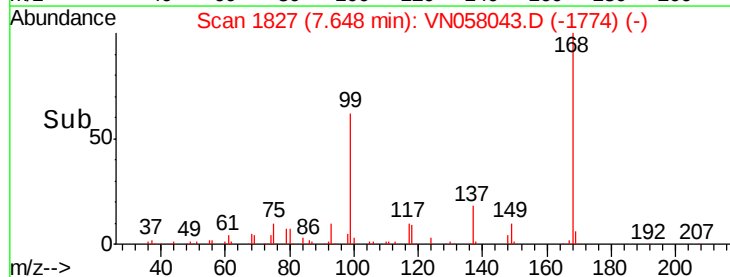
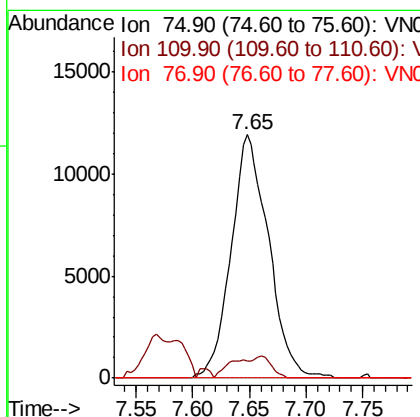
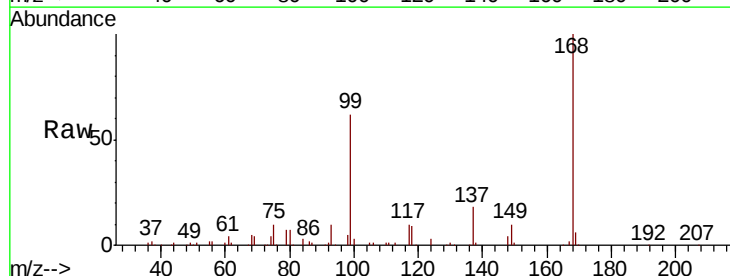
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-2-(1.5)

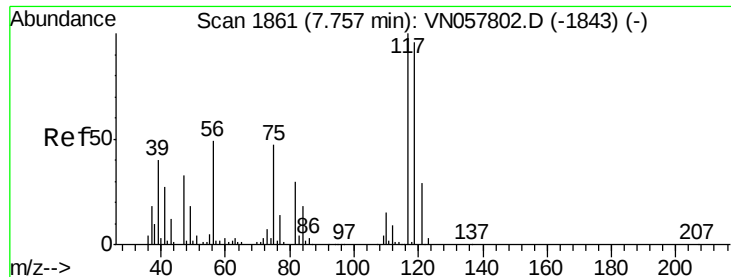
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.3	121.9
192	18.2	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.406 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.0	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.566 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

Instrument :

MSVOA_N

ClientSampled :

T2-2-(1.5)

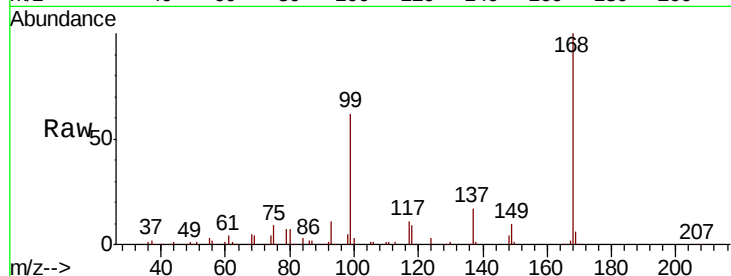
Tgt Ion:117 Resp: 31724

Ion Ratio Lower Upper

117 100

119 4.1 76.9 115.3#

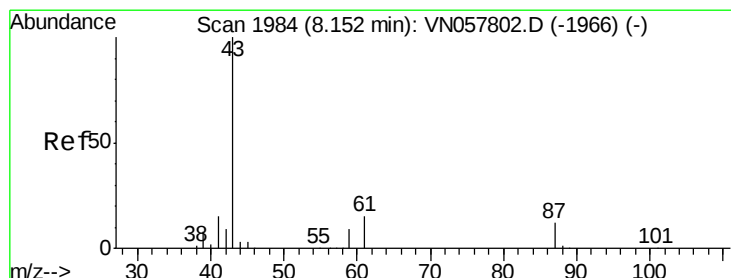
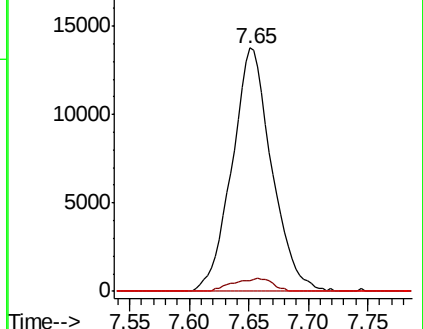
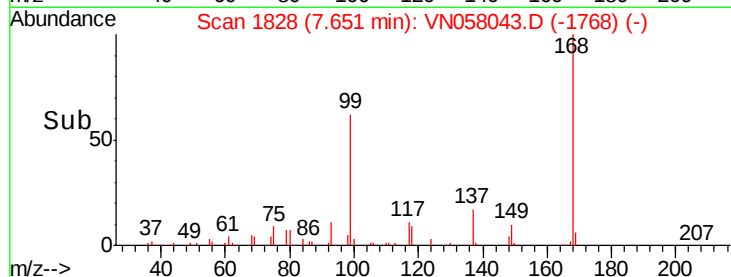
121 0.0 23.4 35.2#



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: 7.799 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

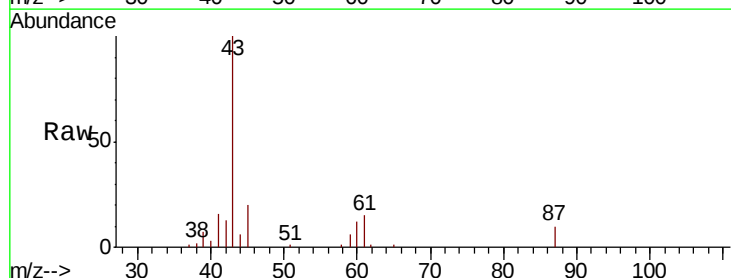
Tgt Ion: 43 Resp: 84597

Ion Ratio Lower Upper

43 100

61 13.4 20.1 30.1#

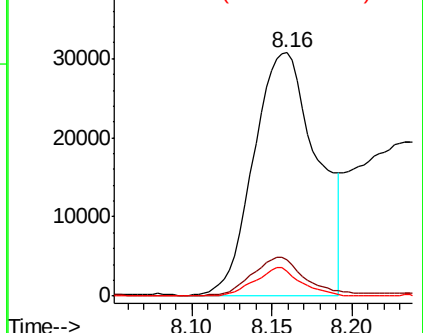
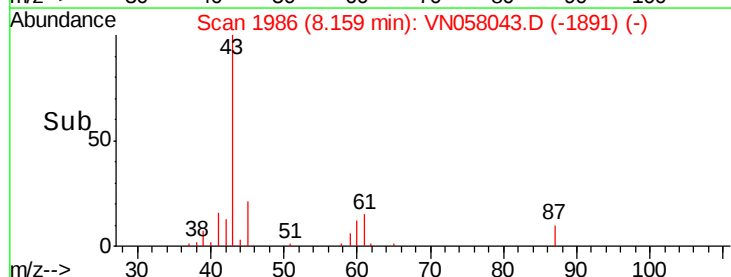
87 8.4 9.5 14.3#

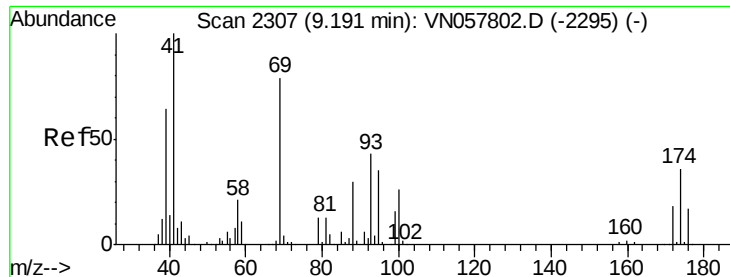


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

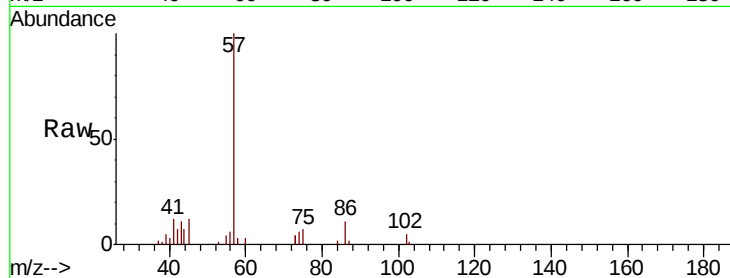




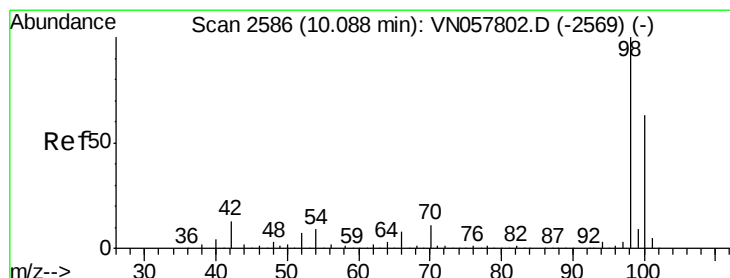
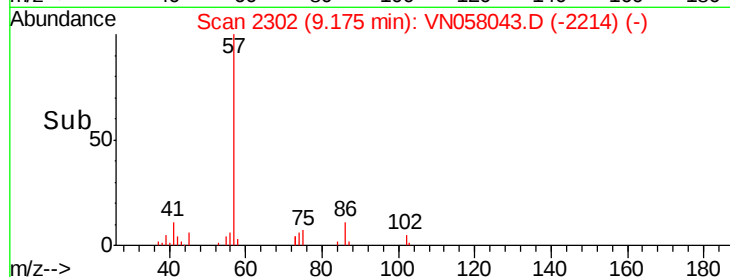
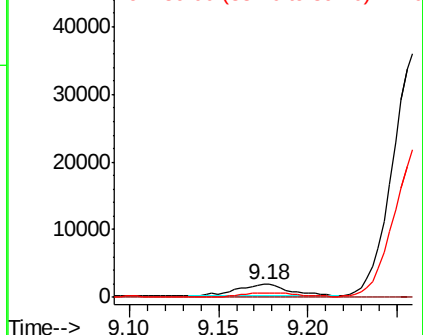
#48
Methyl methacrylate
Concen: 0.673 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN058043.D
Acq: 14 Sep 2019 1:15

Instrument :
MSVOA_N
ClientSampleId :
T2-2-(1.5)

Tgt Ion: 41 Resp: 3701
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 42.6 52.7 79.1#

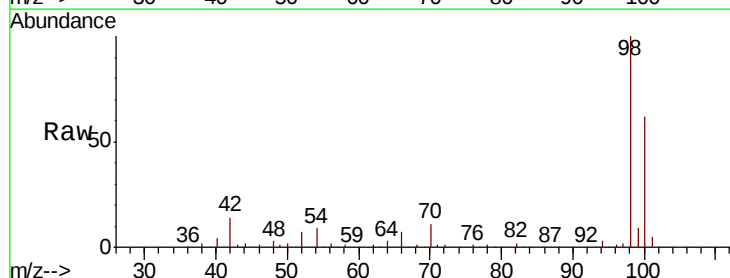


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

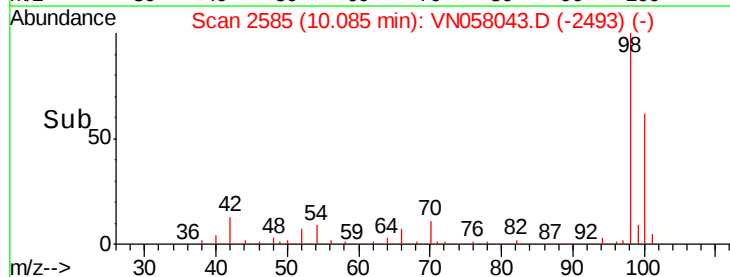
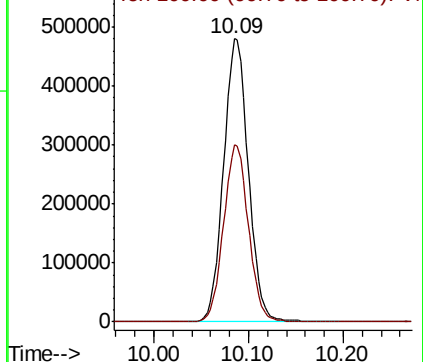


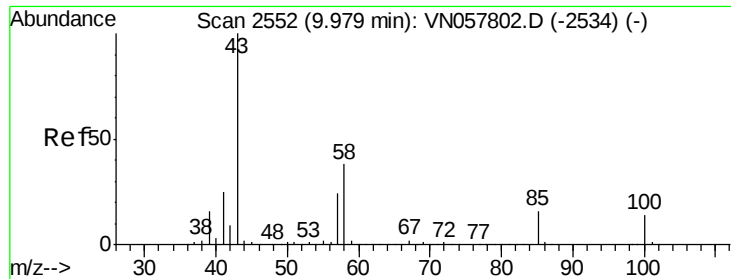
#50
Toluene-d8
Concen: 45.458 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058043.D
Acq: 14 Sep 2019 1:15

Tgt Ion: 98 Resp: 876852
Ion Ratio Lower Upper
98 100
100 62.7 50.3 75.5



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

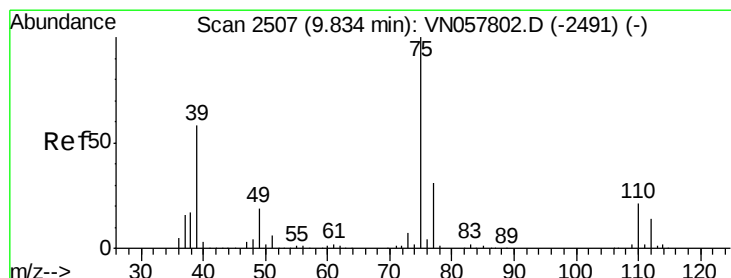
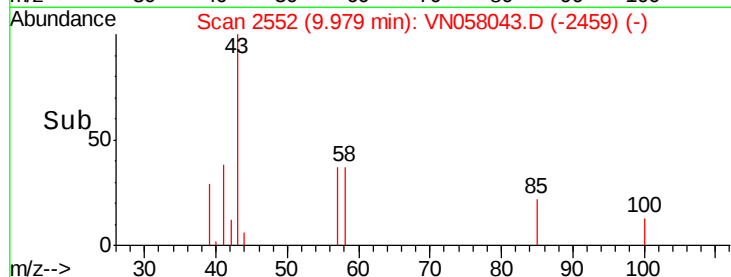
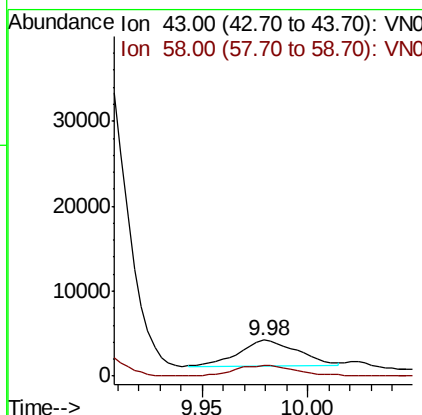
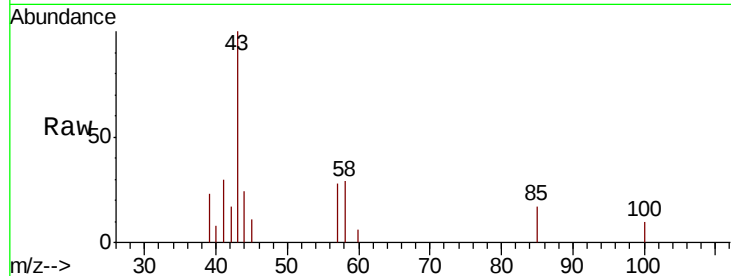




#51
 4-Methyl-2-Pentanone
 Concen: 0.919 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

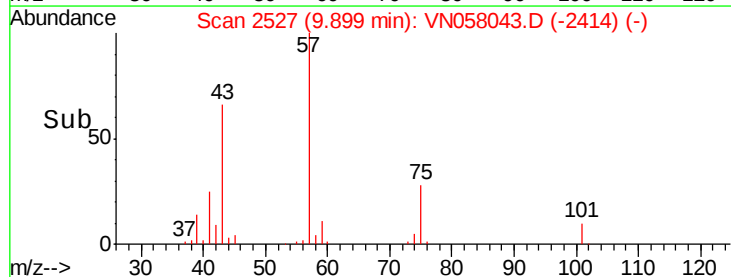
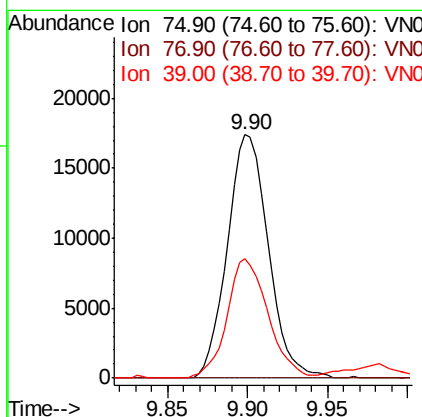
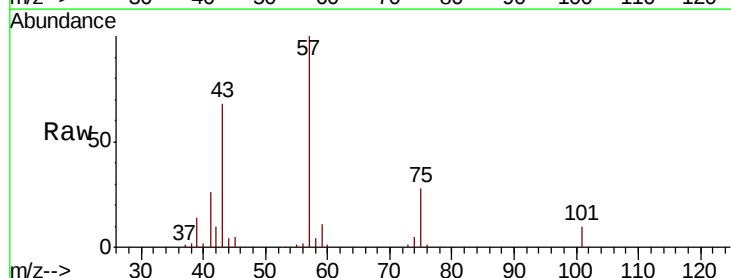
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-2-(1.5)

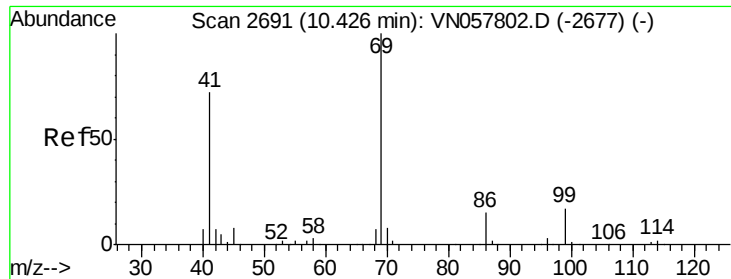
Tgt Ion: 43 Resp: 5899
 Ion Ratio Lower Upper
 43 100
 58 42.8 29.8 44.6



#54
 cis-1,3-Dichloropropene
 Concen: 3.961 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

Tgt Ion: 75 Resp: 30392
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 49.0 46.2 69.4





#56

Ethyl methacrylate

Concen: 0.236 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

Instrument :

MSVOA_N

ClientSampleId :

T2-2-(1.5)

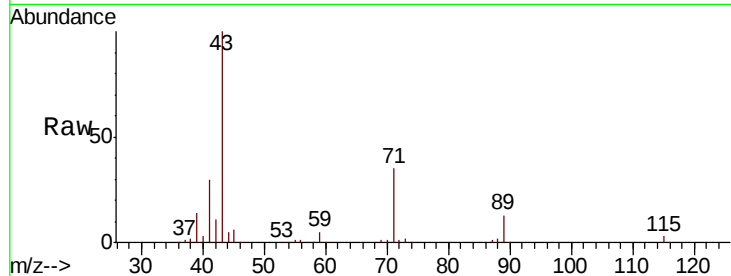
Tgt Ion: 69 Resp: 1783

Ion Ratio Lower Upper

69 100

41 5069.7 56.7 85.1#

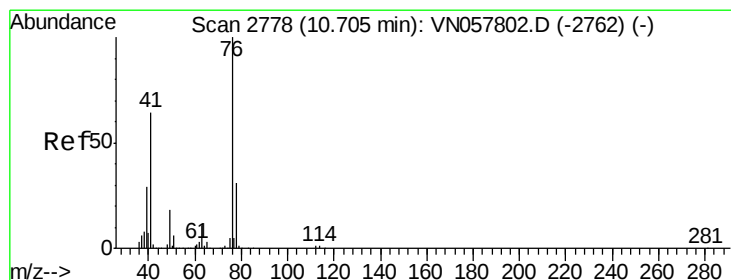
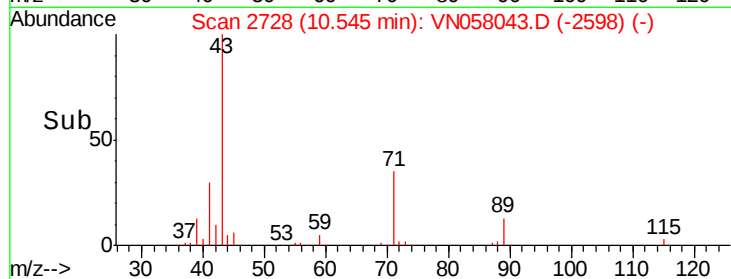
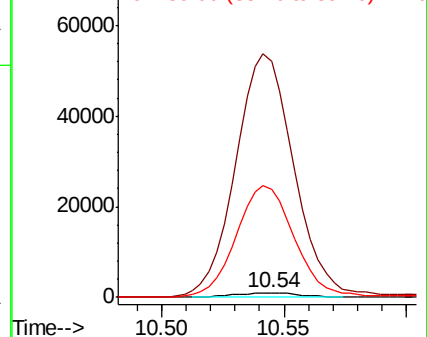
39 2289.2 36.3 54.5#



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: 0.336 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058043.D

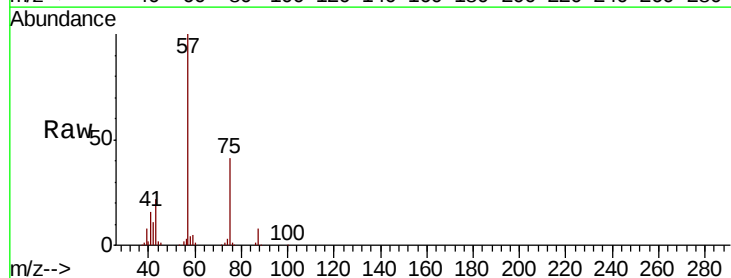
Acq: 14 Sep 2019 1:15

Tgt Ion: 76 Resp: 2907

Ion Ratio Lower Upper

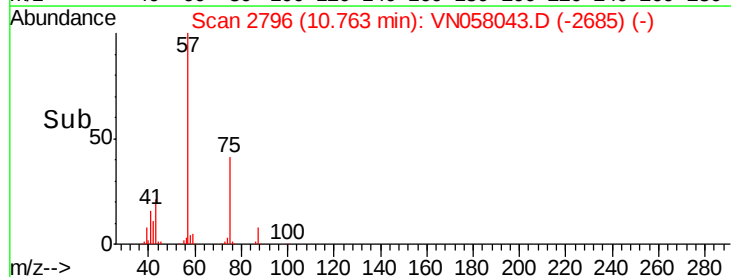
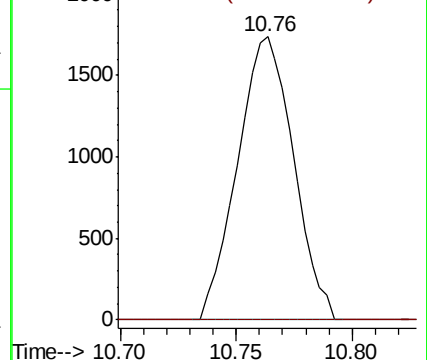
76 100

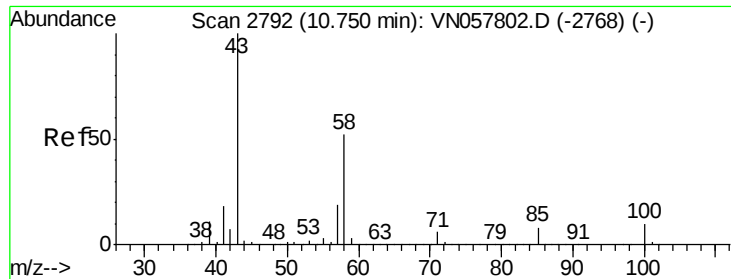
78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

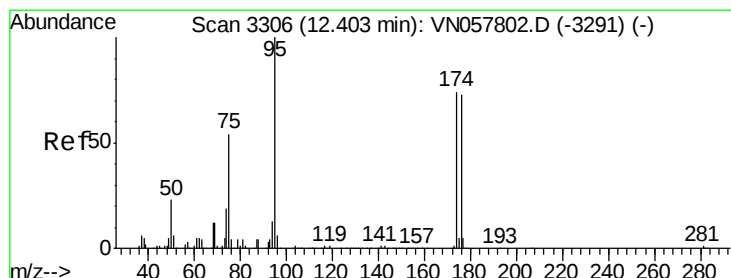
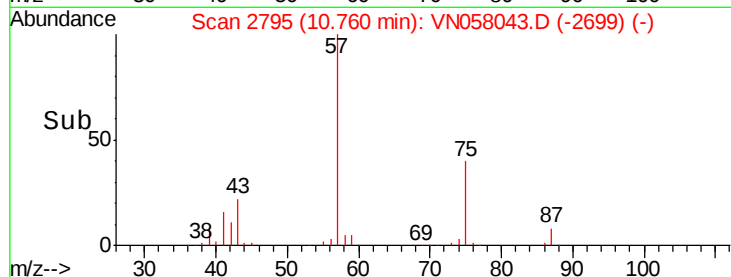
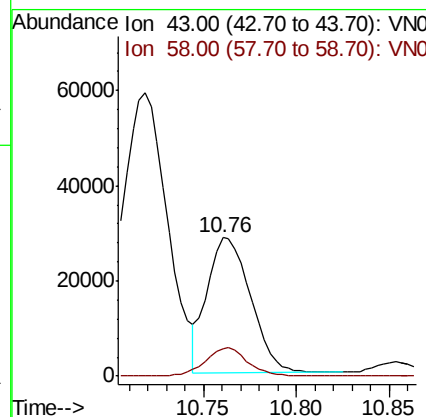
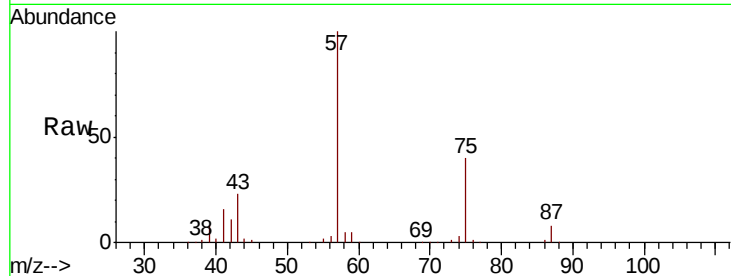




#59
 2-Hexanone
 Concen: 9.576 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

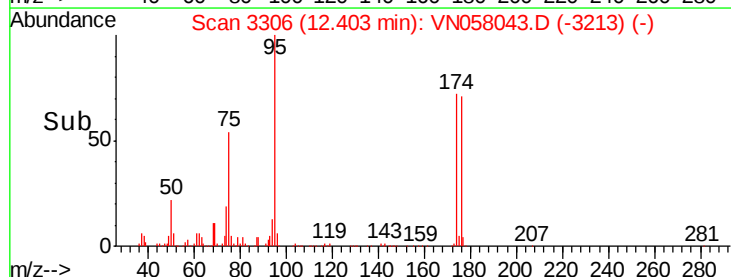
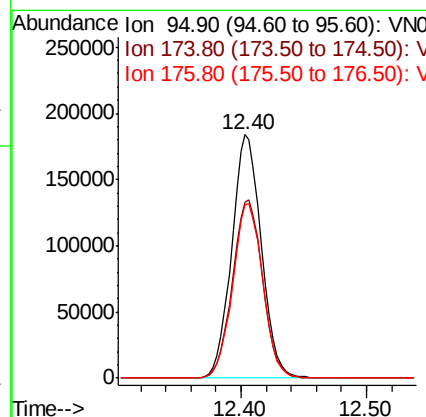
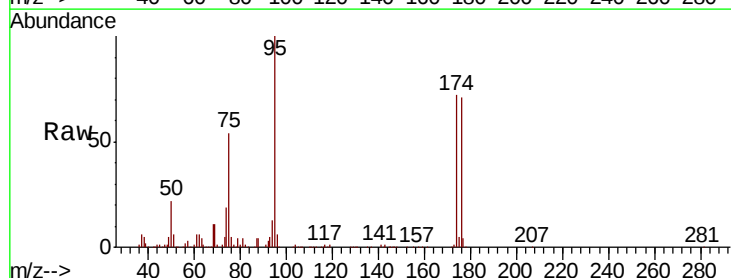
Instrument :
 MSVOA_N
 ClientSampled :
 T2-2-(1.5)

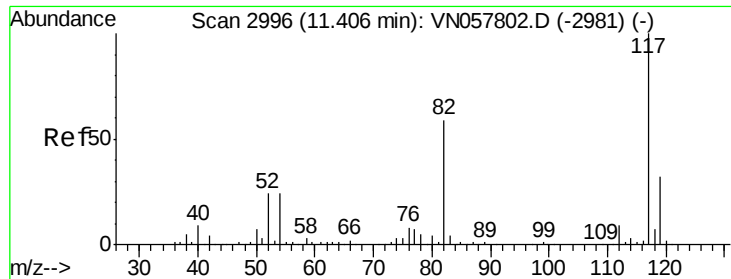
Tgt Ion: 43 Resp: 46071
 Ion Ratio Lower Upper
 43 100
 58 20.3 25.6 76.8#



#62
 4-Bromofluorobenzene
 Concen: 41.079 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058043.D
 Acq: 14 Sep 2019 1:15

Tgt Ion: 95 Resp: 301974
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 150.2
 176 73.0 0.0 146.0

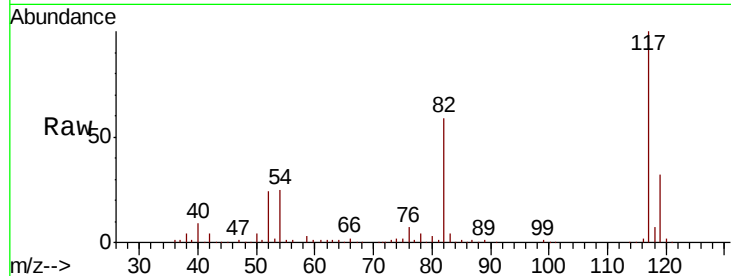




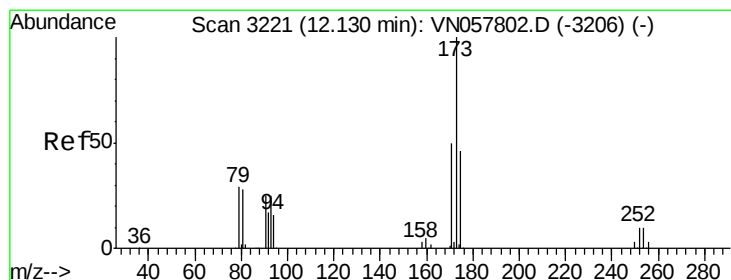
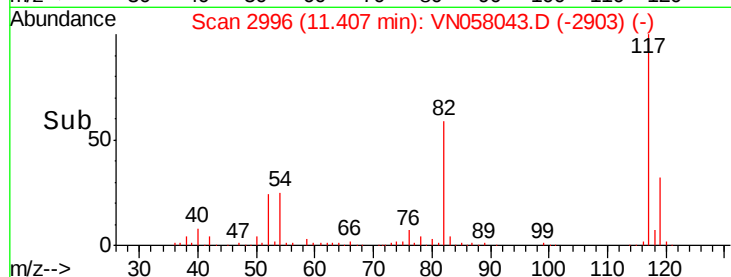
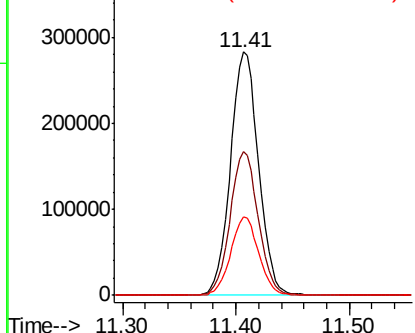
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058043.D
Acq: 14 Sep 2019 1:15

Instrument :
MSVOA_N
ClientSampleId :
T2-2-(1.5)

Tgt Ion:117 Resp: 489124
Ion Ratio Lower Upper
117 100
82 59.3 47.2 70.8
119 32.1 25.3 37.9

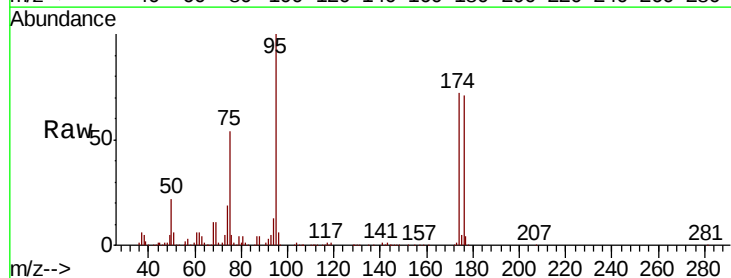


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

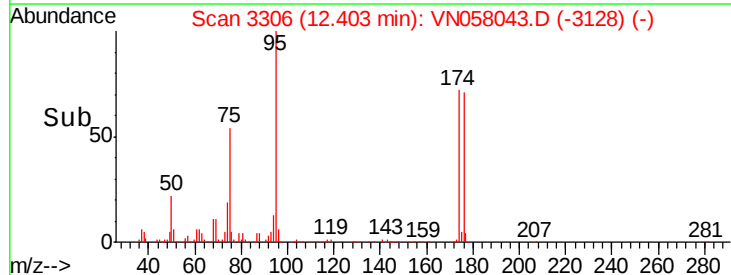
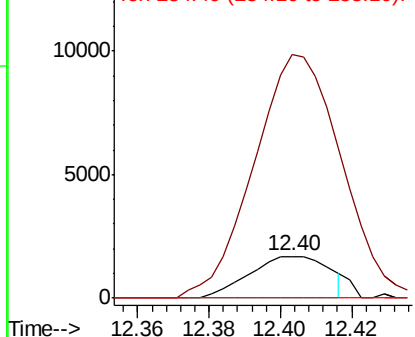


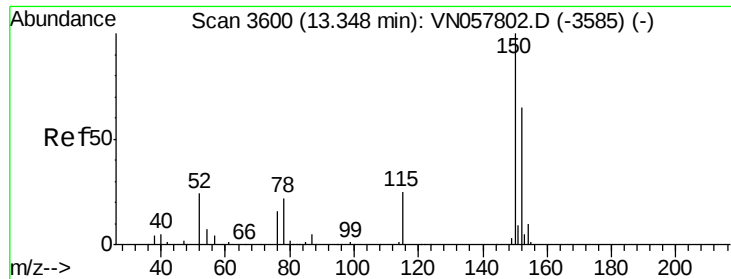
#71
Bromoform
Concen: 0.943 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058043.D
Acq: 14 Sep 2019 1:15

Tgt Ion:173 Resp: 2611
Ion Ratio Lower Upper
173 100
175 559.7 23.5 70.6#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

Instrument :

MSVOA_N

ClientSampleId :

T2-2-(1.5)

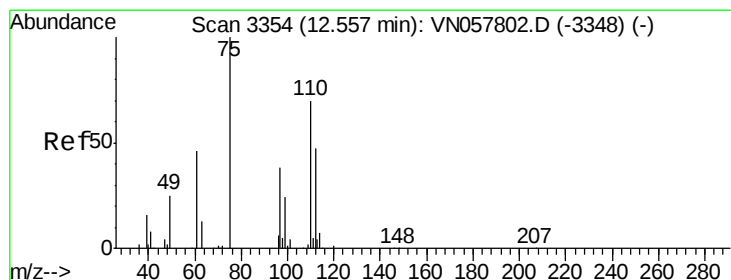
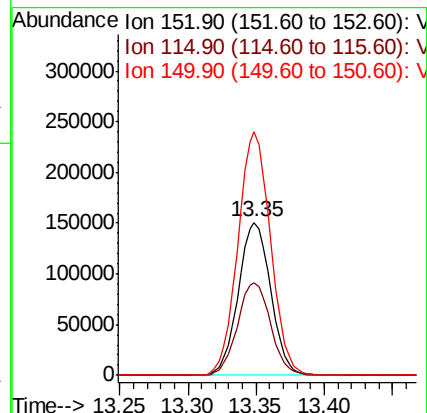
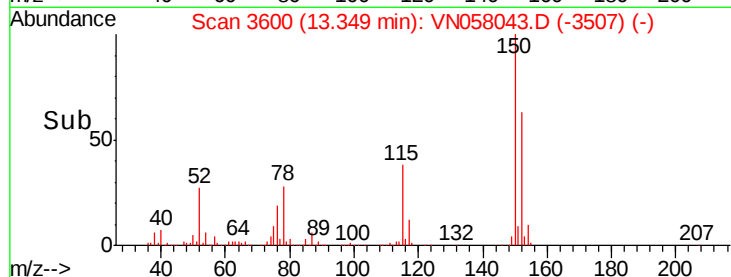
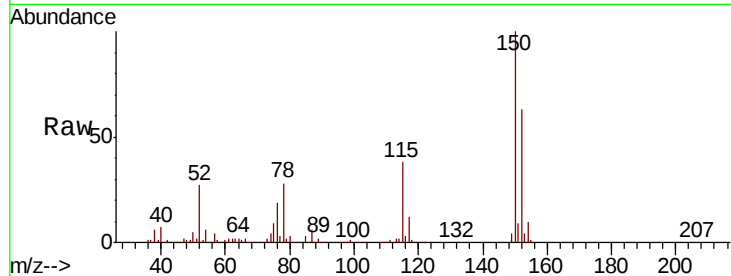
Tgt Ion:152 Resp: 249843

Ion Ratio Lower Upper

152 100

115 61.6 30.3 91.0

150 159.5 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 29.090 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058043.D

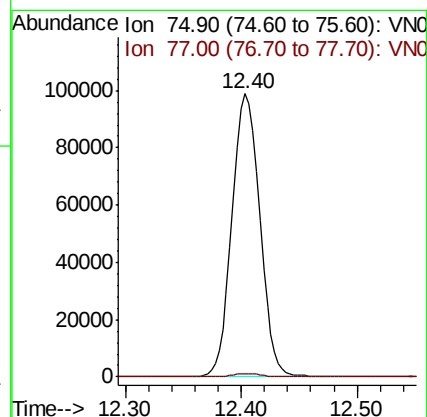
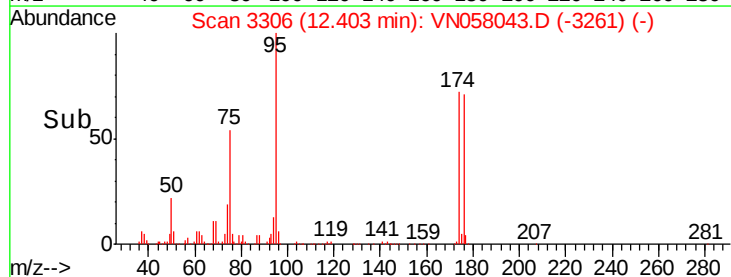
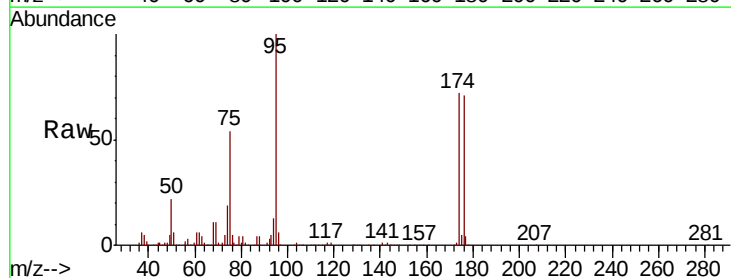
Acq: 14 Sep 2019 1:15

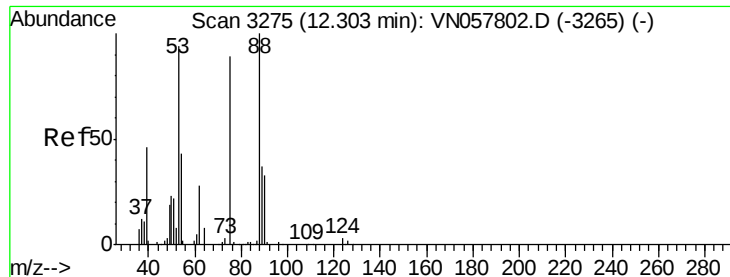
Tgt Ion: 75 Resp: 164412

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 102.367 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

Instrument :

MSVOA_N

ClientSampled :

T2-2-(1.5)

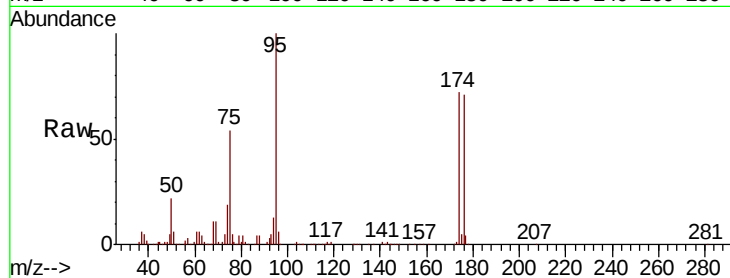
Tgt Ion: 75 Resp: 164412

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

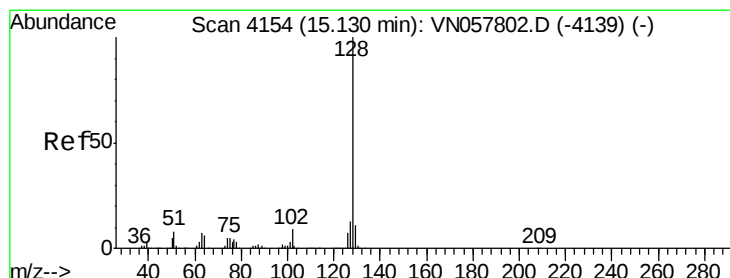
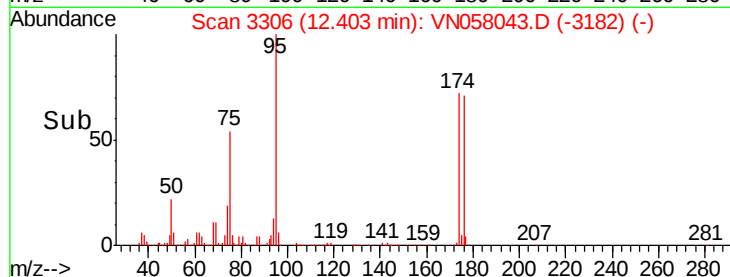
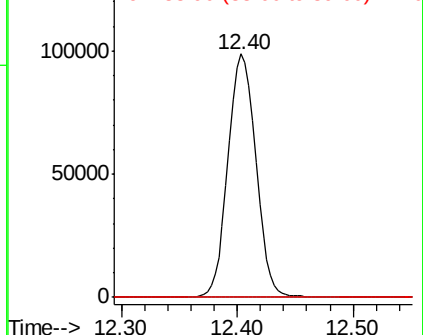
89 0.0 35.3 52.9#



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



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058043.D

Acq: 14 Sep 2019 1:15

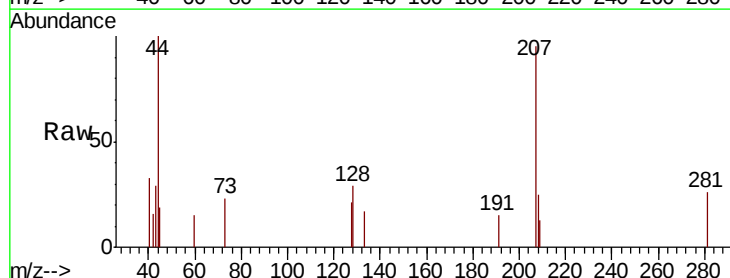
Tgt Ion: 128 Resp: 746

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

