

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058073.D
 Acq On : 14 Sep 2019 13:18
 Operator : JC/SP
 Sample : K4873-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

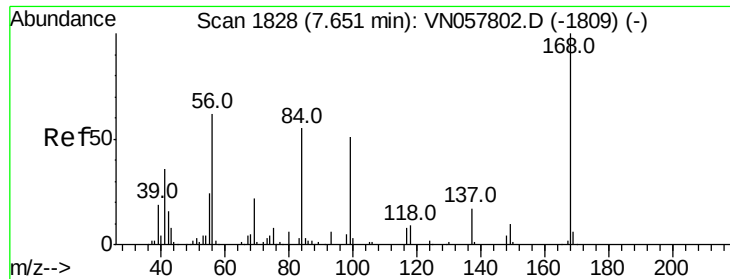
Quant Time: Sep 16 01:59:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	325469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	560463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	517040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270865	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	375809	57.01	ug/l	0.00
Spiked Amount			Recovery	=	114.02%	
35) Dibromofluoromethane	7.58	113	257219	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
50) Toluene-d8	10.09	98	1031553	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.41	95	337565	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	379	Below Cal	#	48
8) Diethyl Ether	3.40	74	934	0.366	ug/l	91
14) Allyl chloride	4.54	41	12015	1.772	ug/l #	24
16) Acetone	3.81	43	15817	7.319	ug/l	98
17) Carbon Disulfide	4.03	76	409	0.234	ug/l #	75
18) Methyl Acetate	4.31	43	16575	2.877	ug/l #	69
20) Methylene Chloride	4.53	84	338287	83.042	ug/l	98
25) 2-Butanone	6.84	43	2904	0.928	ug/l	95
29) Tetrahydrofuran	7.20	42	922	0.478	ug/l #	67
30) Chloroform	7.36	83	6249	0.688	ug/l	94
31) Cyclohexane	7.65	56	8427	Below Cal	#	2
36) 1,1-Dichloropropene	7.65	75	28119	4.326	ug/l #	50
38) Carbon Tetrachloride	7.65	117	33064	5.572	ug/l #	15
40) Benzene	8.03	78	12159	0.621	ug/l #	90
43) Isopropyl Acetate	8.15	43	127212	11.264	ug/l #	83
45) 1,2-Dichloropropane	9.26	63	1647	0.289	ug/l #	44
47) Bromodichloromethane	9.40	83	1455	0.212	ug/l #	74
48) Methyl methacrylate	9.17	41	6222	1.086	ug/l #	13
49) 1,4-Dioxane	9.26	88	221	2.281	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8230	1.231	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	42370	5.304	ug/l #	67
56) Ethyl methacrylate	10.54	69	1987	0.253	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	6399	0.711	ug/l #	43
59) 2-Hexanone	10.76	43	102362	20.435	ug/l #	53
74) N-amyl acetate	12.03	43	4906	0.536	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	185501	30.274	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	185501	106.534	ug/l #	6
95) Naphthalene	15.13	128	7906	Below Cal	#	96

(#) = 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: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

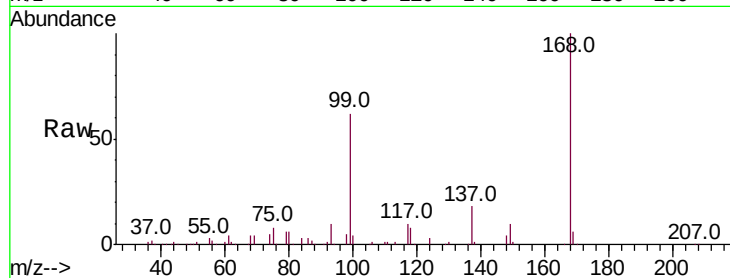
ClientSampleId :

Tot Ion:168 Resp: 325469

Ion Ratio Lower Upper

168 100

99 61.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN058073.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058073.D (-1735) (-)

7.65

150000

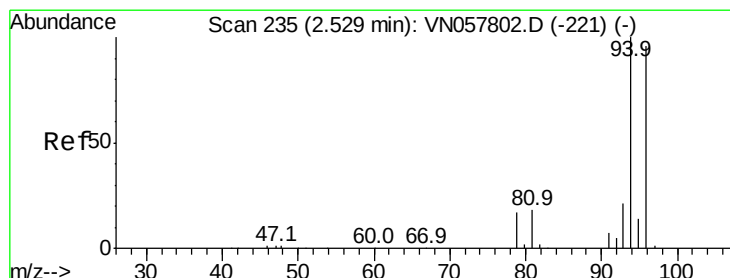
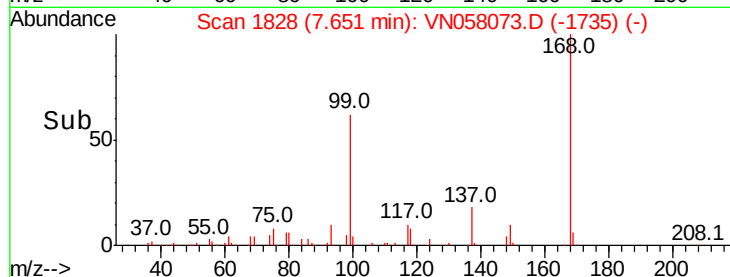
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058073.D

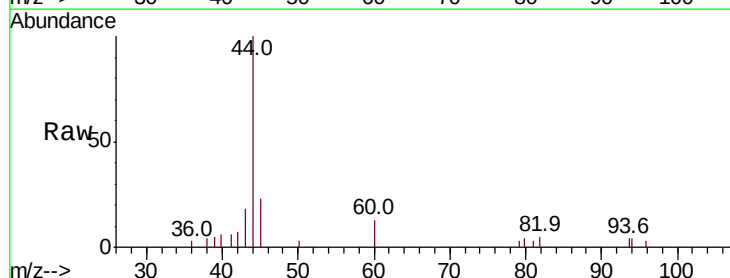
Acq: 14 Sep 2019 13:18

Tgt Ion: 94 Resp: 379

Ion Ratio Lower Upper

94 100

96 45.4 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN058073.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058073.D (-141) (-)

2.55

500

400

300

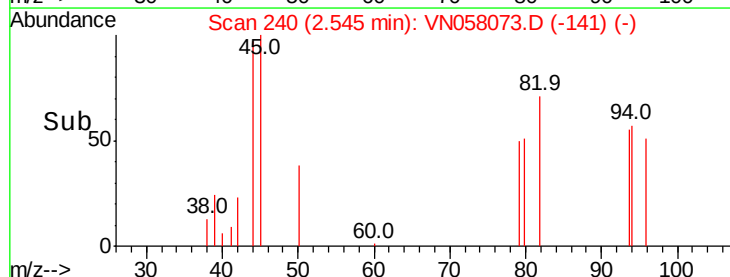
200

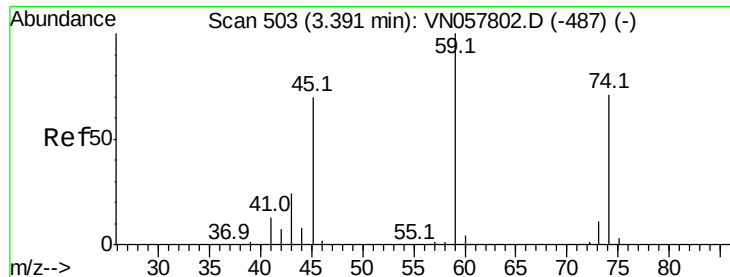
100

0

2.52 2.53 2.54 2.55 2.56

Time-->





#8

Diethyl Ether

Concen: 0.366 ug/l

RT: 3.40 min Scan# 505

Delta R.T. 0.01 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

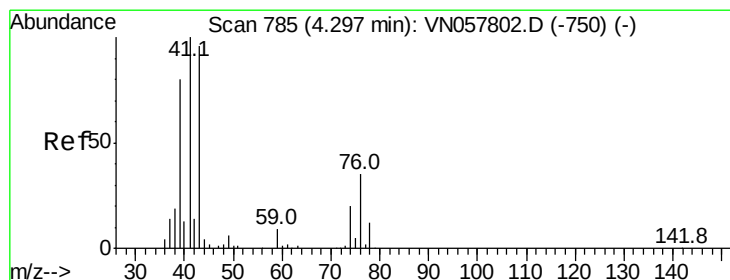
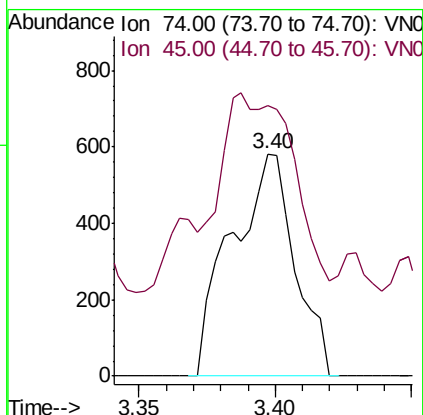
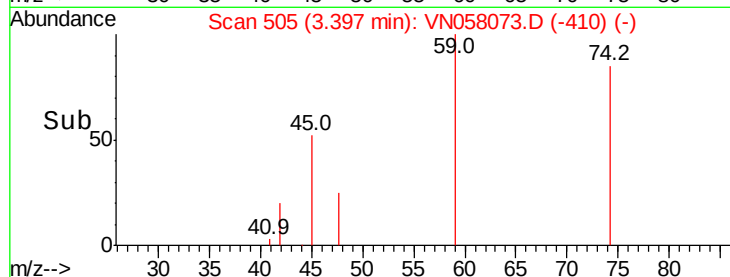
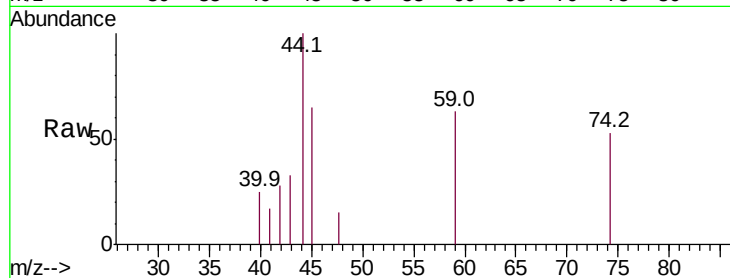
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 74 Resp: 934

Ion Ratio Lower Upper

74 100

45 91.3 50.3 151.0



#14

Allyl chloride

Concen: 1.772 ug/l

RT: 4.54 min Scan# 859

Delta R.T. 0.24 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

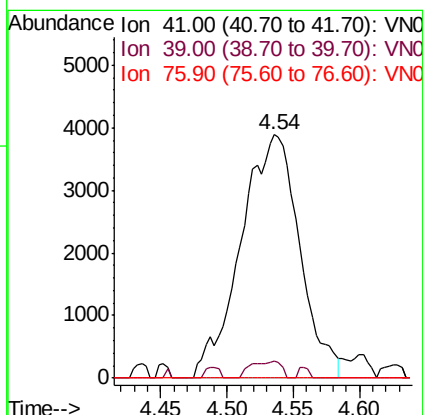
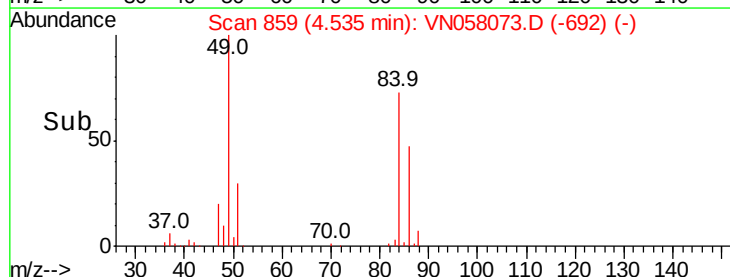
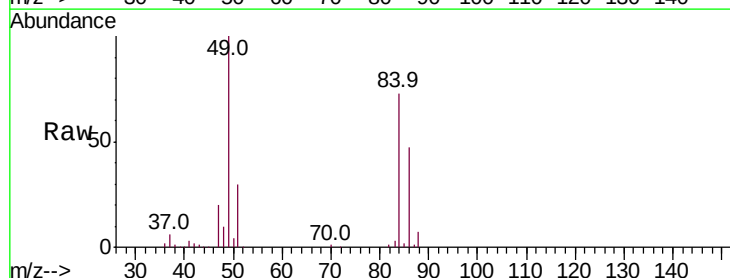
Tgt Ion: 41 Resp: 12015

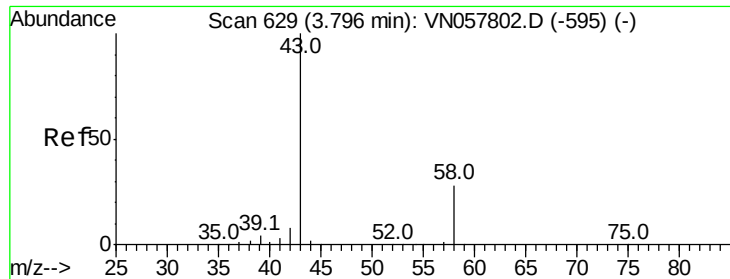
Ion Ratio Lower Upper

41 100

39 3.6 59.4 89.2#

76 0.0 26.0 39.0#





#16

Acetone

Concen: 7.319 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

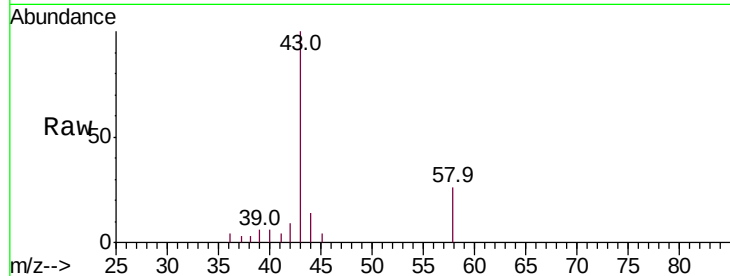
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 15817

Ion Ratio Lower Upper

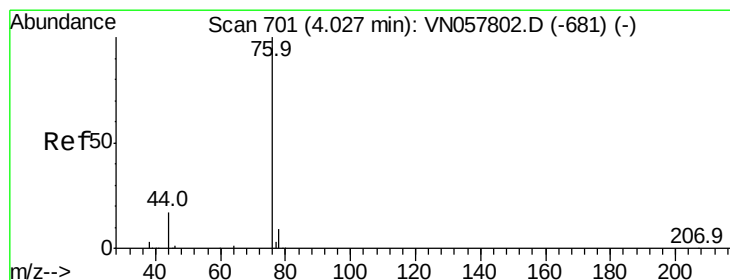
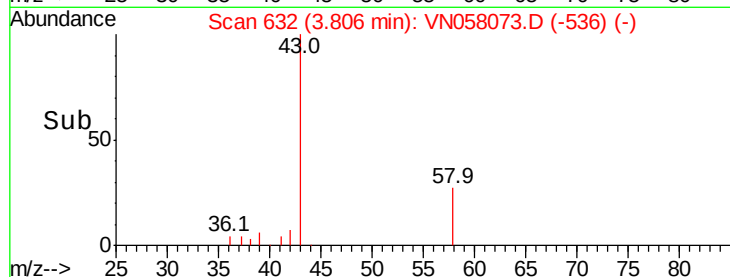
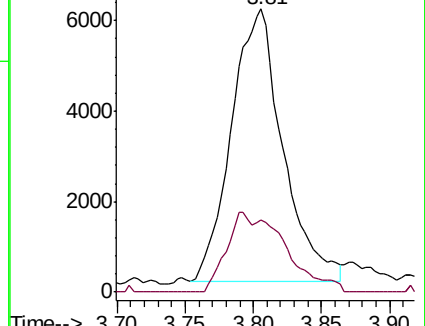
43 100

58 26.6 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN058073.D (-632) (-)

Ion 58.00 (57.70 to 58.70): VN058073.D (-632) (-)



#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.01 min

Lab File: VN058073.D

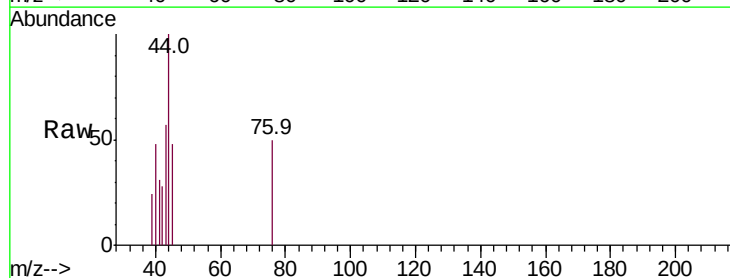
Acq: 14 Sep 2019 13:18

Tgt Ion: 76 Resp: 409

Ion Ratio Lower Upper

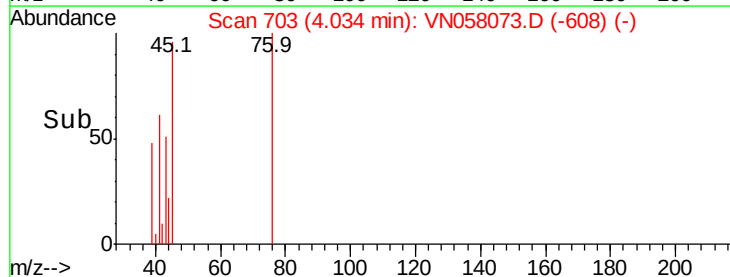
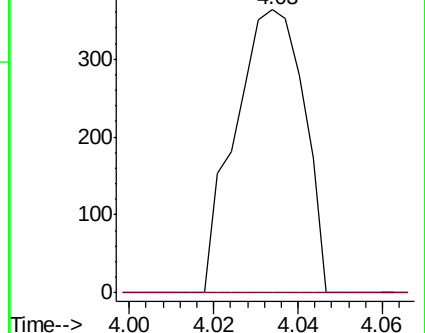
76 100

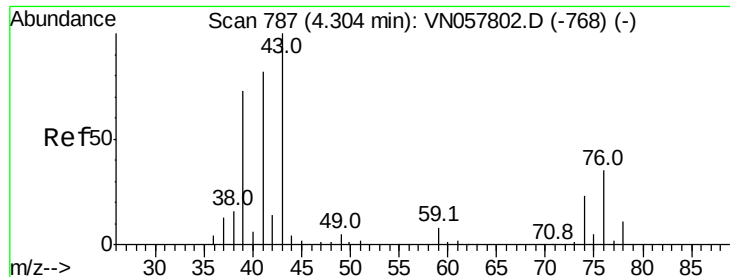
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN058073.D (-703) (-)

Ion 77.90 (77.60 to 78.60): VN058073.D (-703) (-)

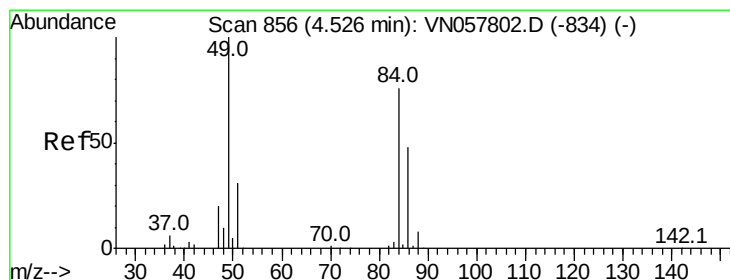
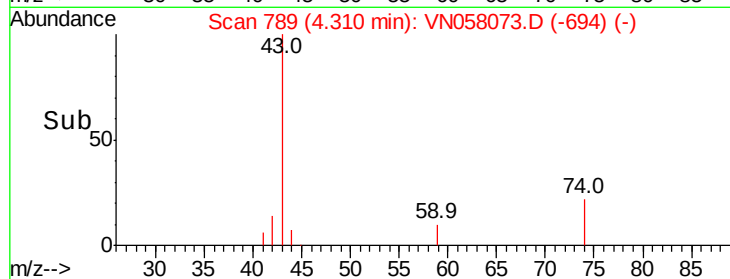
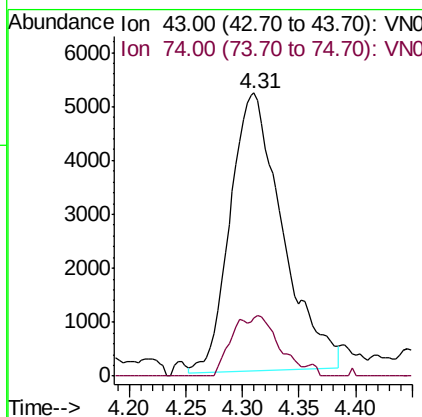
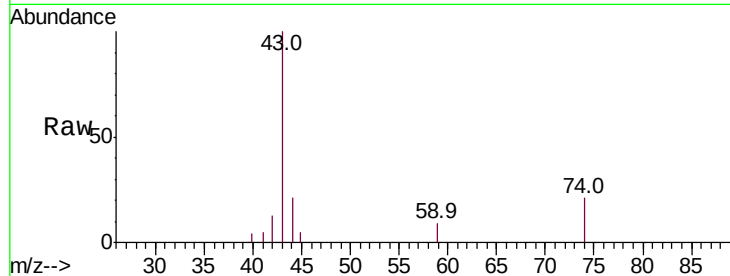




#18
Methyl Acetate
Concen: 2.877 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058073.D
Acq: 14 Sep 2019 13:18

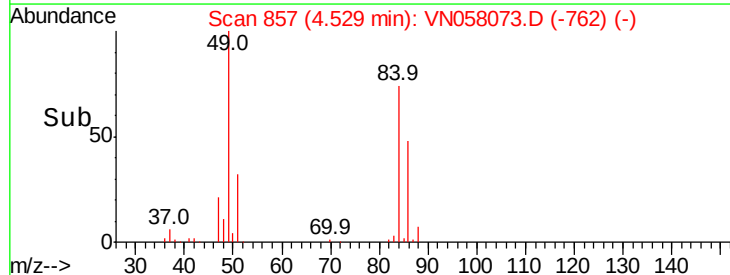
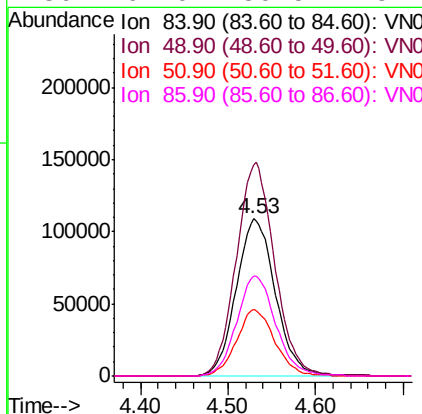
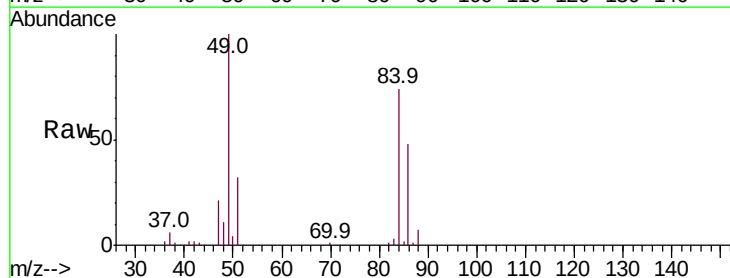
Instrument :
MSVOA_N
ClientSampled :

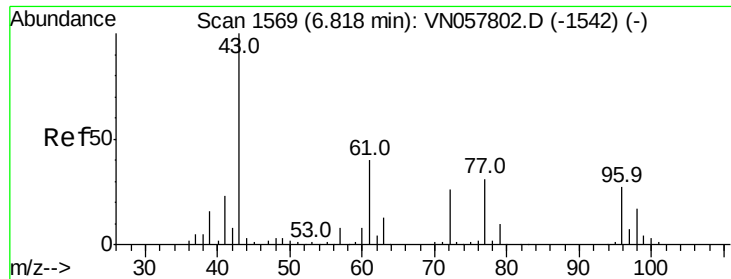
Tot Ion: 43 Resp: 16575
Ion Ratio Lower Upper
43 100
74 7.4 17.9 26.9#



#20
Methylene Chloride
Concen: 83.042 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058073.D
Acq: 14 Sep 2019 13:18

Tgt Ion: 84 Resp: 338287
Ion Ratio Lower Upper
84 100
49 134.7 104.8 157.2
51 42.4 33.0 49.4
86 64.0 50.5 75.7

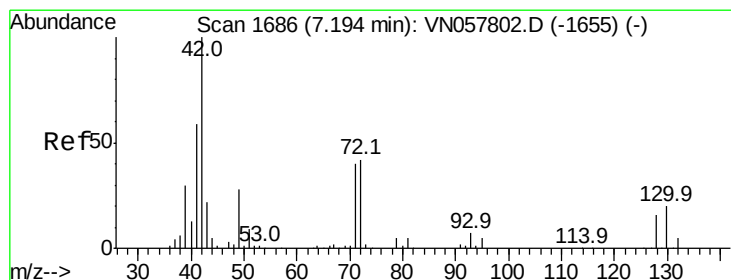
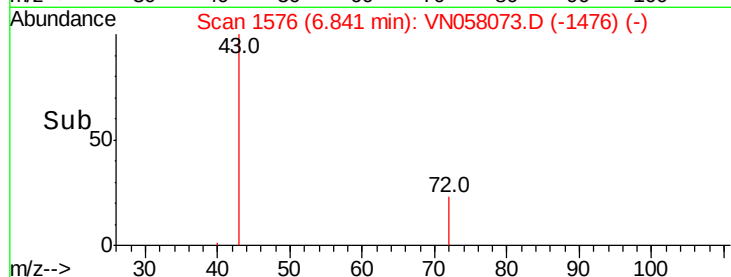
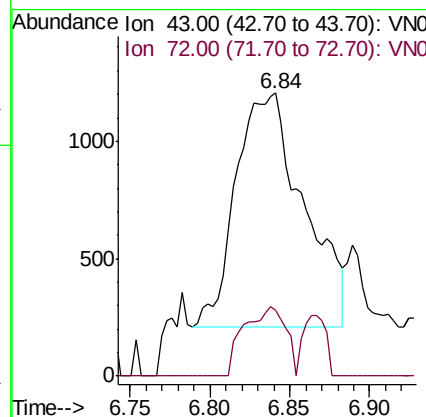
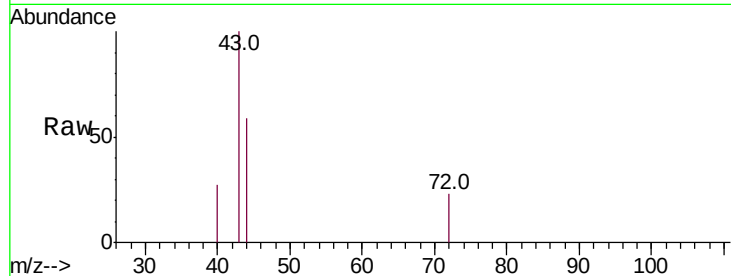




#25
 2-Butanone
 Concen: 0.928 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VN058073.D
 Acq: 14 Sep 2019 13:18

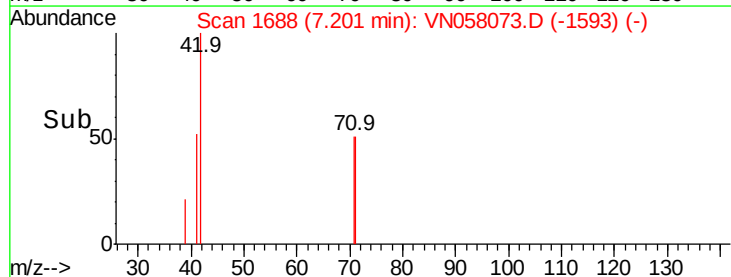
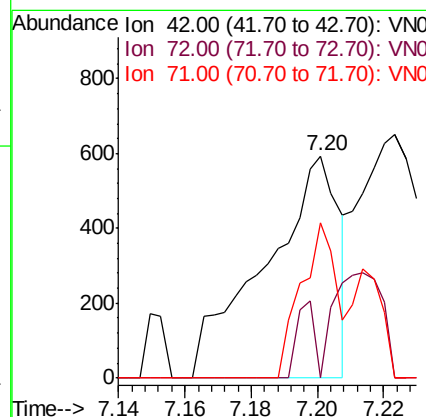
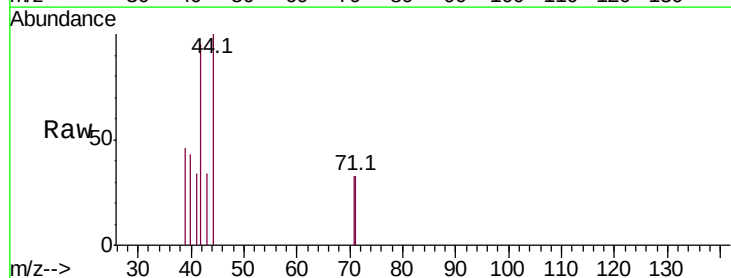
Instrument :
 MSVOA_N
 ClientSampled :

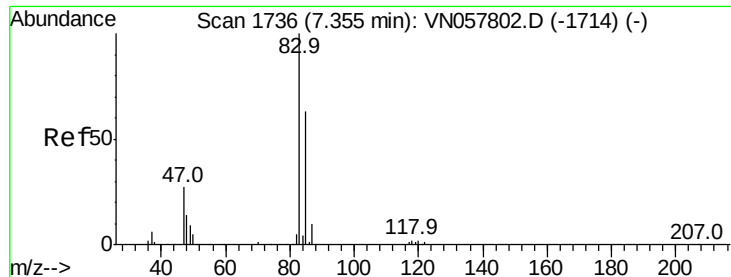
Tot Ion: 43 Resp: 2904
 Ion Ratio Lower Upper
 43 100
 72 28.3 20.6 30.8



#29
 Tetrahydrofuran
 Concen: 0.478 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: VN058073.D
 Acq: 14 Sep 2019 13:18

Tgt Ion: 42 Resp: 922
 Ion Ratio Lower Upper
 42 100
 72 8.1 33.7 50.5#
 71 33.2 31.9 47.9

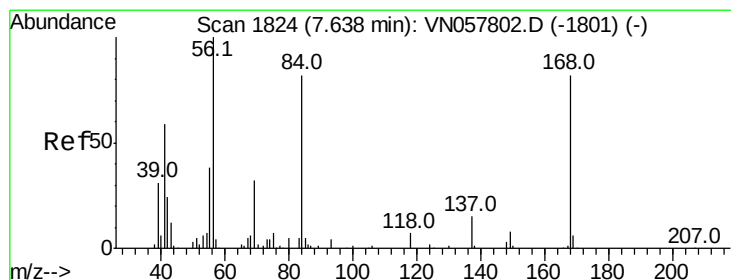
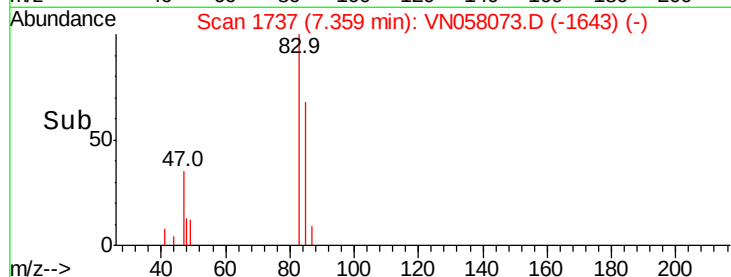
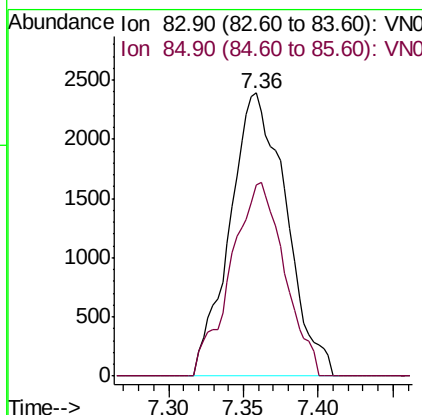
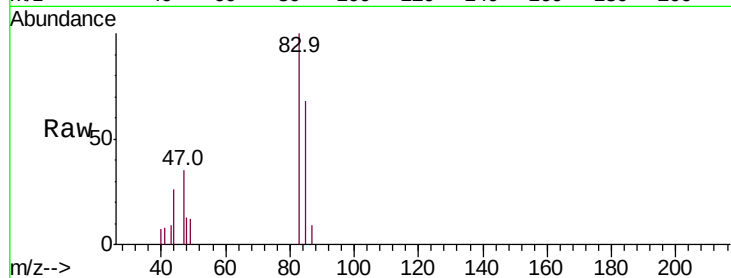




#30
Chloroform
Concen: 0.688 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058073.D
Acq: 14 Sep 2019 13:18

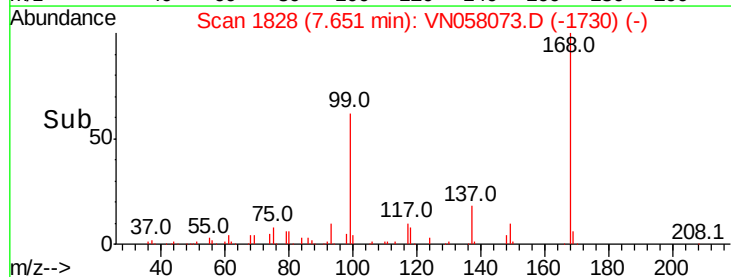
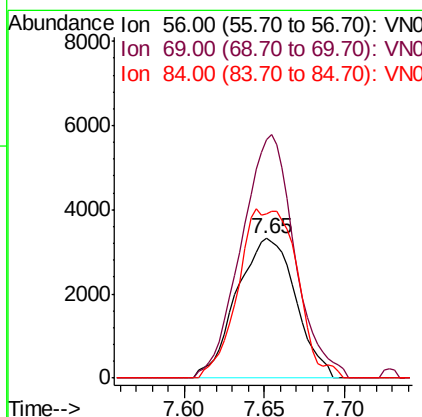
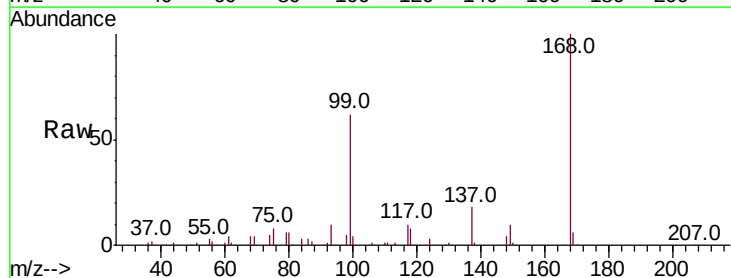
Instrument :
MSVOA_N
ClientSampled :

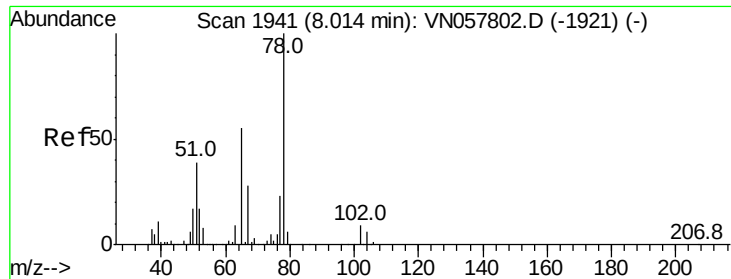
Tot Ion: 83 Resp: 6249
Ion Ratio Lower Upper
83 100
85 67.7 50.6 75.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058073.D
Acq: 14 Sep 2019 13:18

Tgt Ion: 56 Resp: 8427
Ion Ratio Lower Upper
56 100
69 171.0 25.9 38.9#
84 117.2 65.6 98.4#

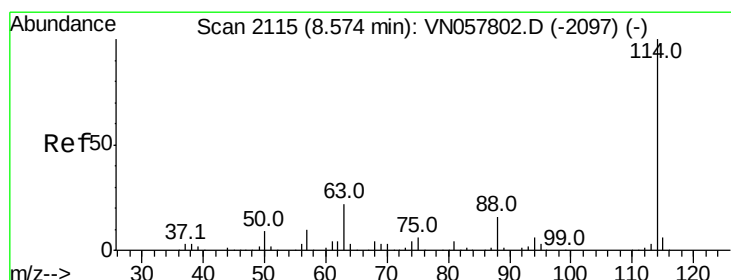
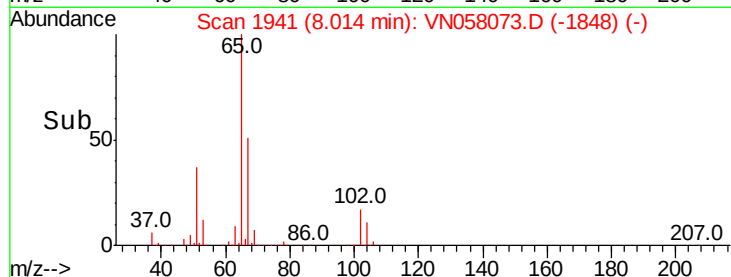
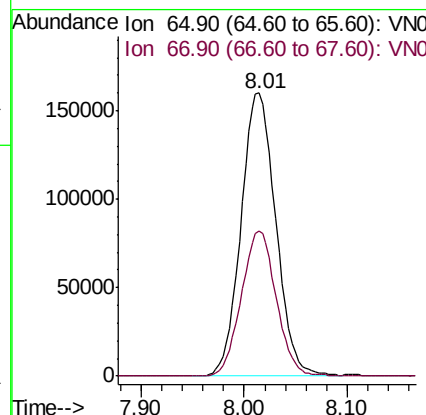
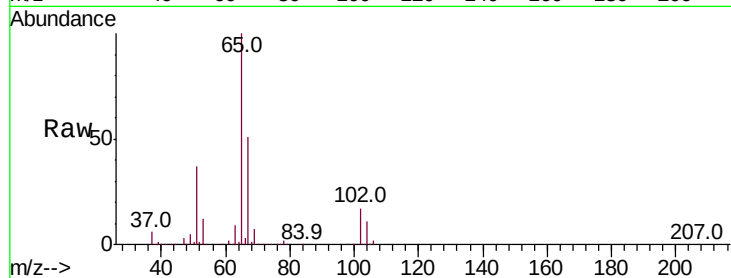




#33
 1,2-Dichloroethane-d4
 Concen: 57.009 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058073.D
 Acq: 14 Sep 2019 13:18

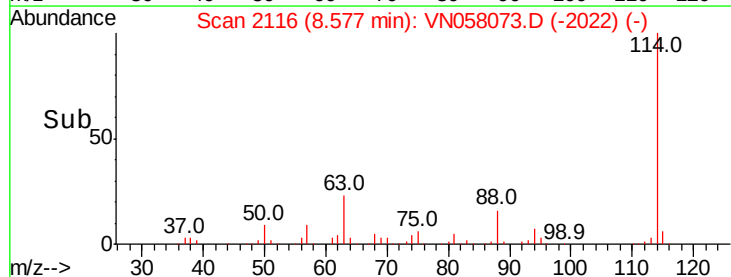
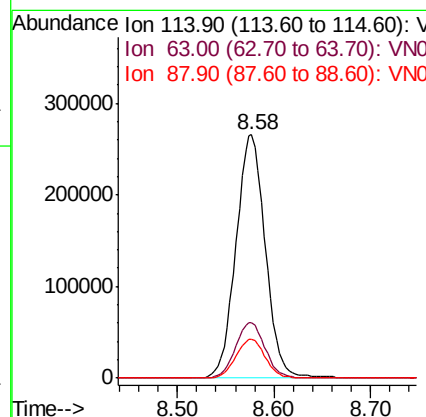
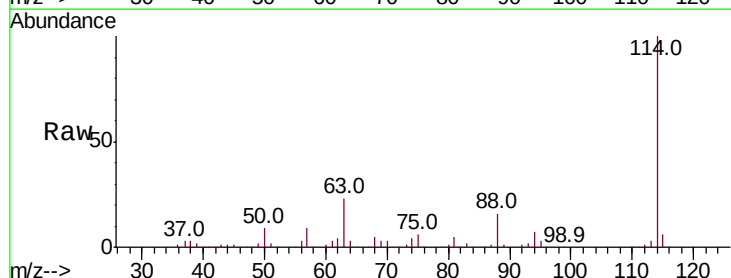
Instrument :
 MSVOA_N
 ClientSampleId :

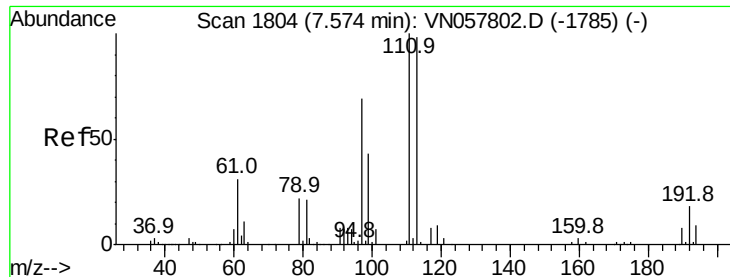
Tot Ion: 65 Resp: 375809
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058073.D
 Acq: 14 Sep 2019 13:18

Tgt Ion: 114 Resp: 560463
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.725 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampled :

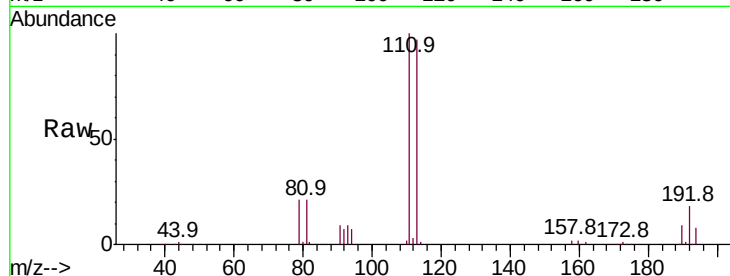
Tot Ion:113 Resp: 257219

Ion Ratio Lower Upper

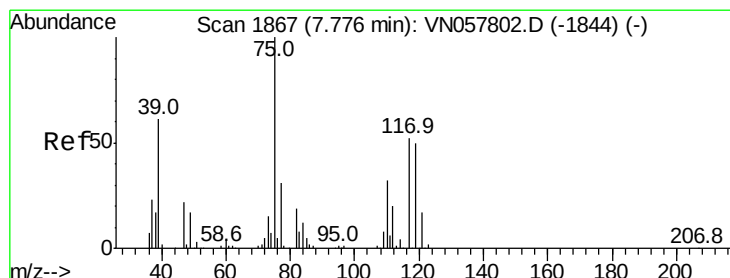
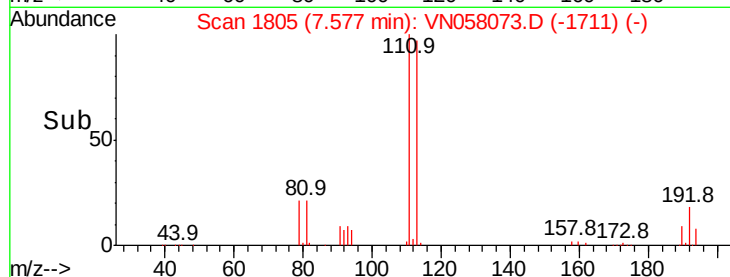
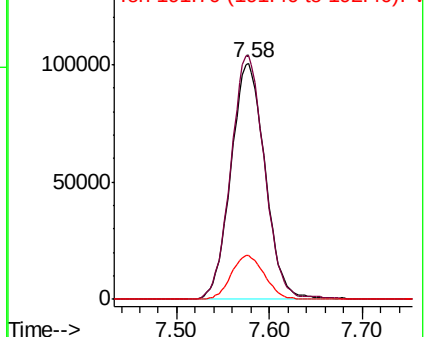
113 100

111 102.2 81.3 121.9

192 18.1 14.6 22.0



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: 4.326 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

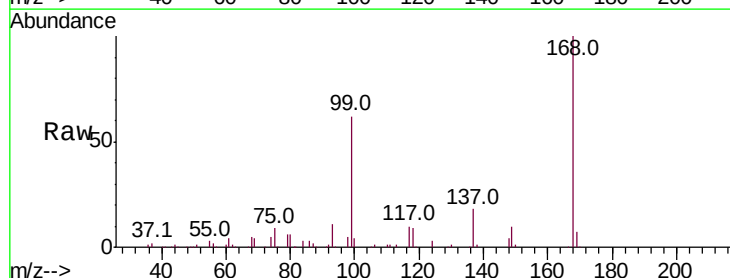
Tgt Ion: 75 Resp: 28119

Ion Ratio Lower Upper

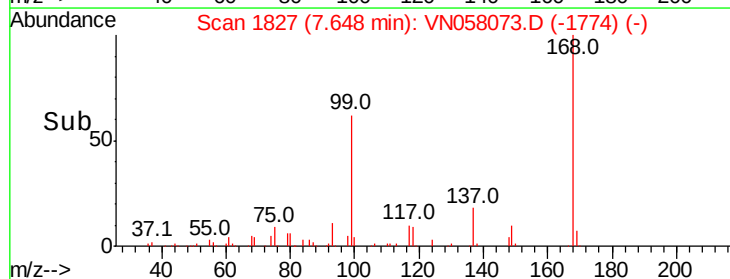
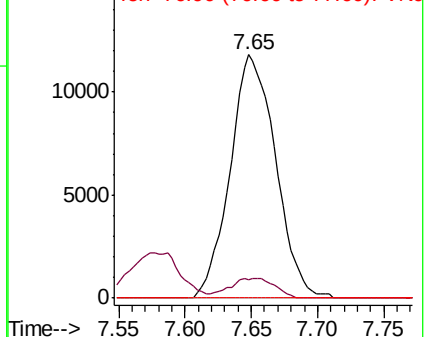
75 100

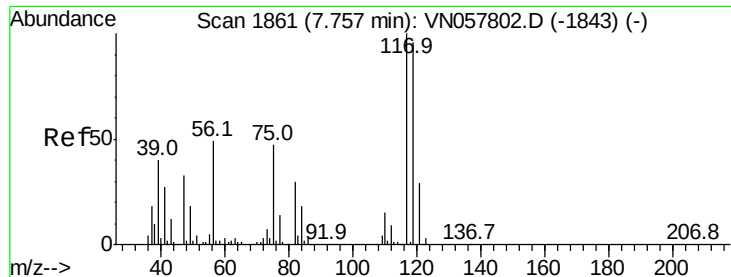
110 8.0 16.3 48.9#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.572 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

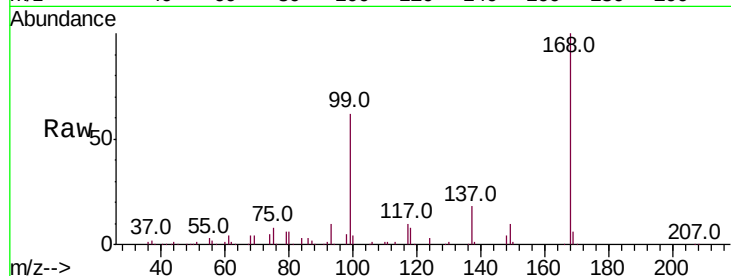
Tot Ion:117 Resp: 33064

Ion Ratio Lower Upper

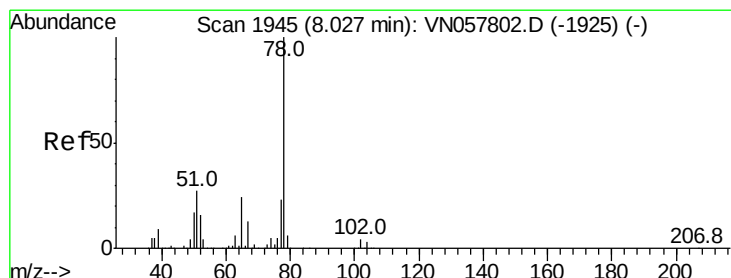
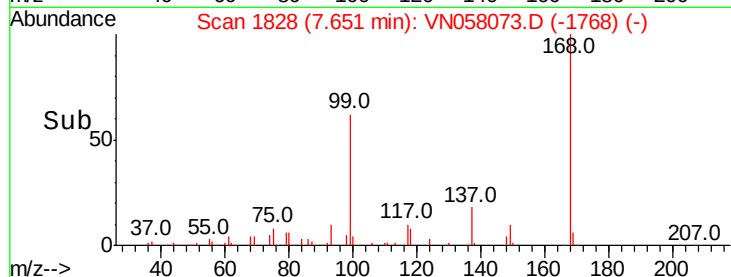
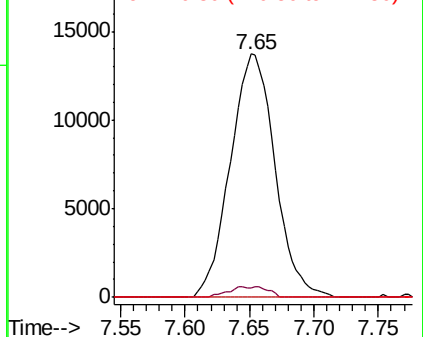
117 100

119 3.7 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



#40

Benzene

Concen: 0.621 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN058073.D

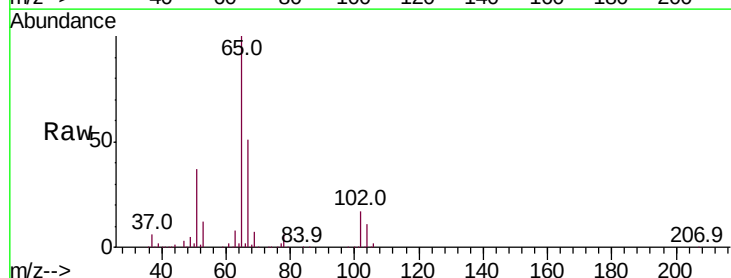
Acq: 14 Sep 2019 13:18

Tgt Ion: 78 Resp: 12159

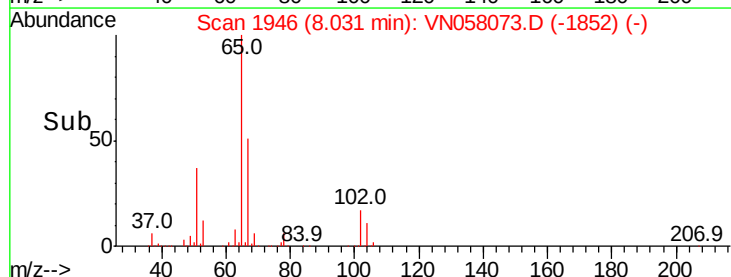
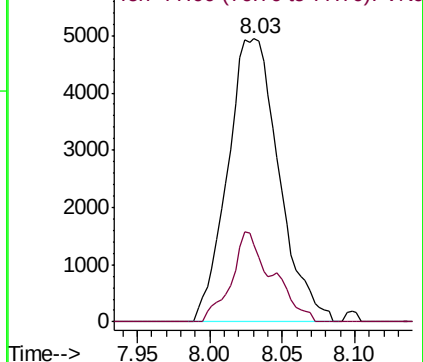
Ion Ratio Lower Upper

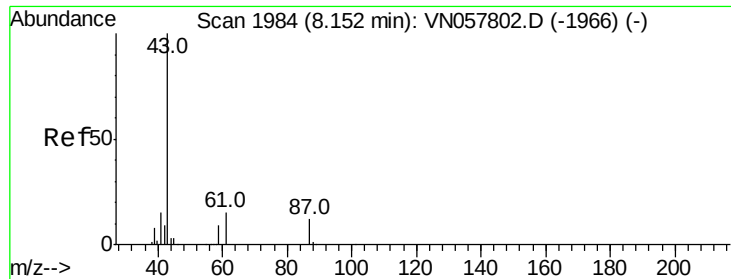
78 100

77 27.5 18.3 27.5#



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 11.264 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

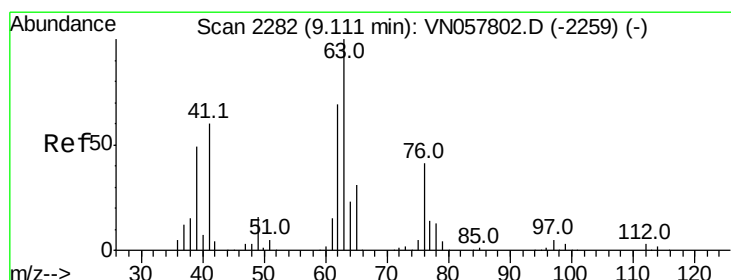
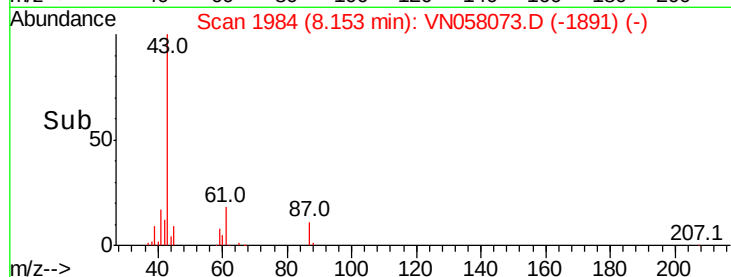
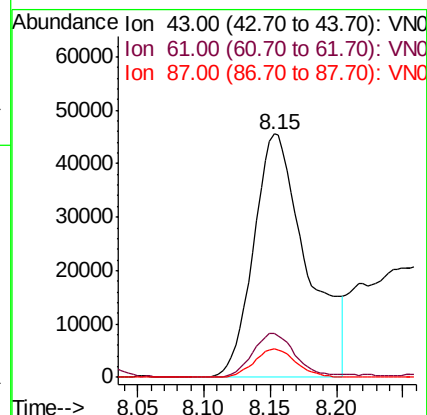
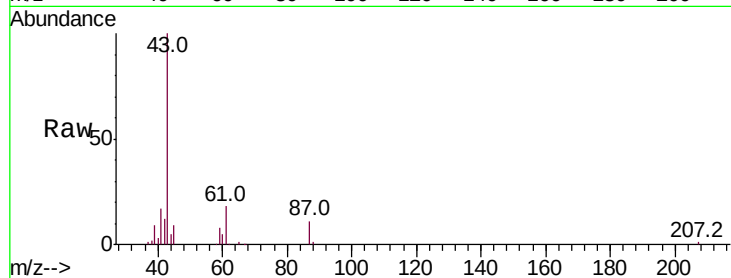
Tot Ion: 43 Resp: 127212

Ion Ratio Lower Upper

43 100

61 14.5 20.1 30.1#

87 9.1 9.5 14.3#



#45

1,2-Dichloropropane

Concen: 0.289 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN058073.D

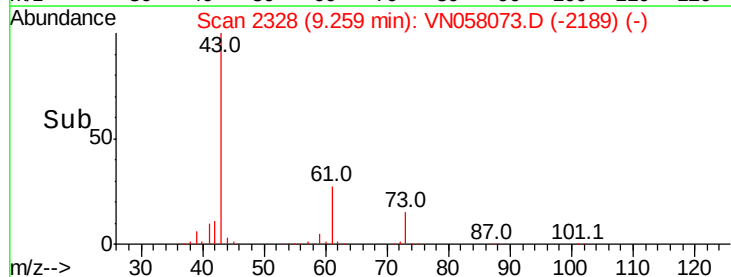
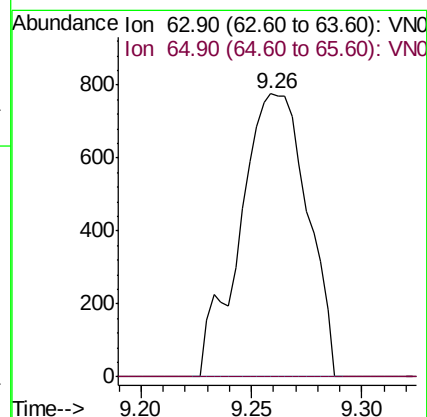
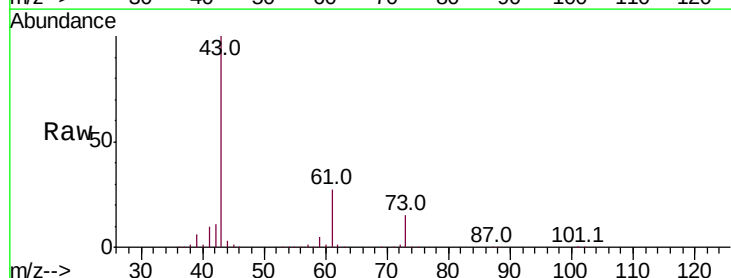
Acq: 14 Sep 2019 13:18

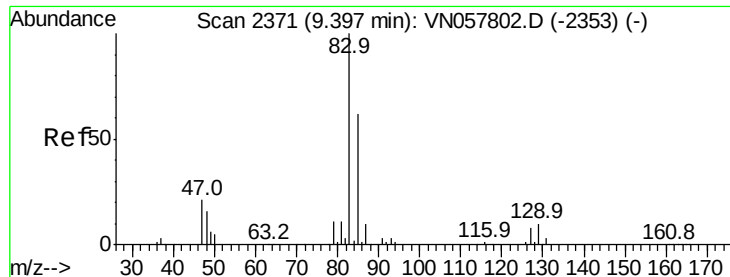
Tgt Ion: 63 Resp: 1647

Ion Ratio Lower Upper

63 100

65 0.0 24.8 37.2#





#47

Bromodichloromethane

Concen: 0.212 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampled :

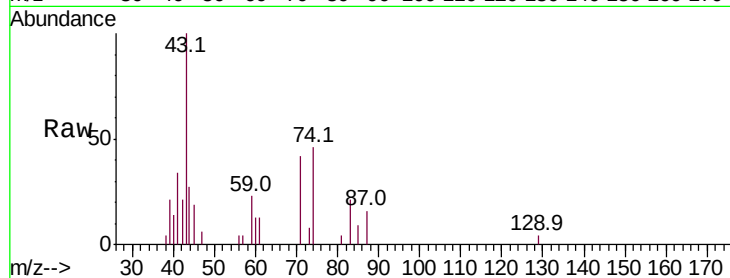
Tot Ion: 83 Resp: 1455

Ion Ratio Lower Upper

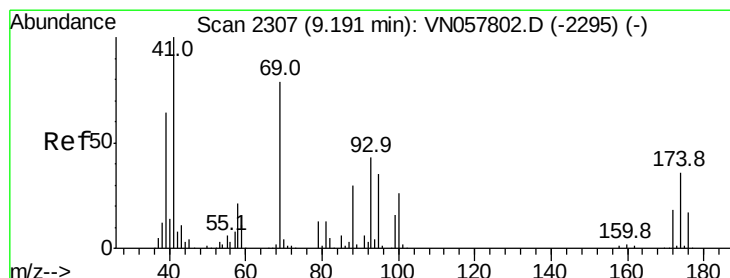
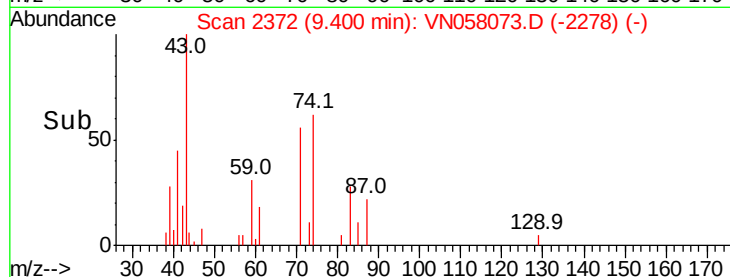
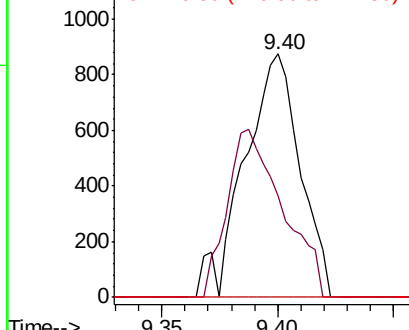
83 100

85 41.7 49.9 74.9#

127 0.0 6.5 9.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 1.086 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

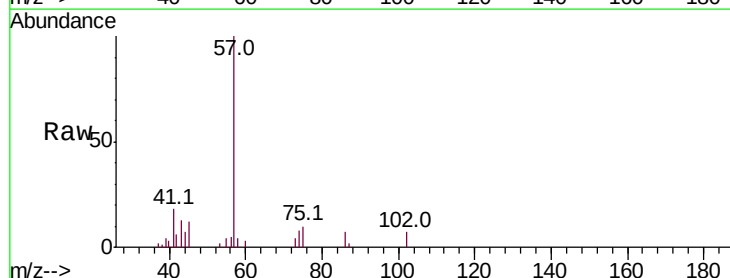
Tgt Ion: 41 Resp: 6222

Ion Ratio Lower Upper

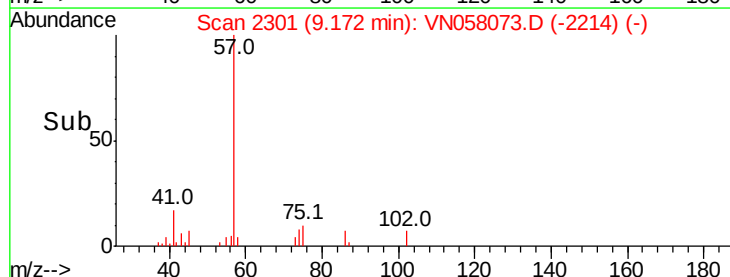
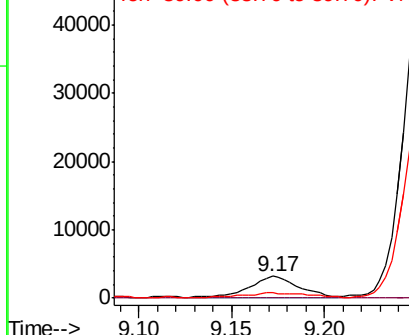
41 100

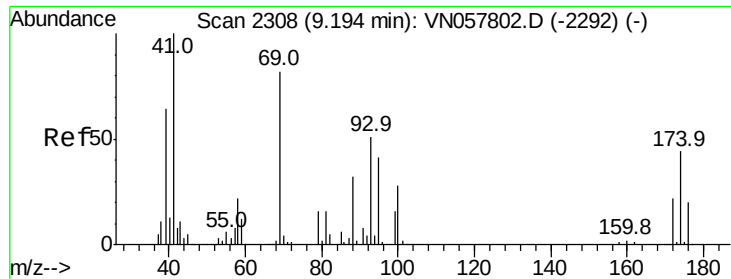
69 0.0 62.7 94.1#

39 0.0 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





#49

1,4-Dioxane

Concen: 2.281 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.06 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

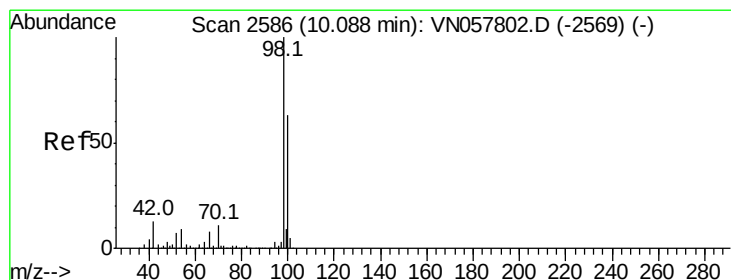
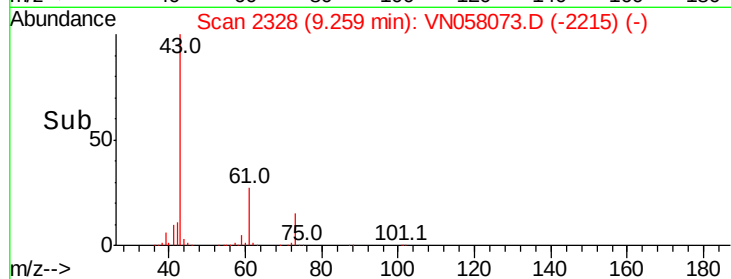
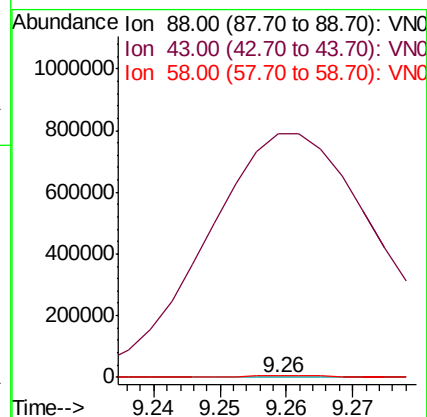
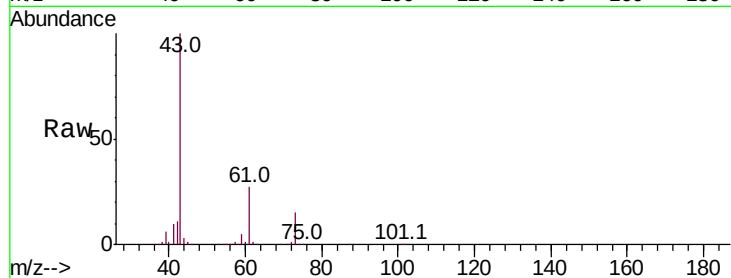
Tot Ion: 88 Resp: 221

Ion Ratio Lower Upper

88 100

43 670437.6 28.5 42.7#

58 3214.9 55.8 83.6#



#50

Toluene-d8

Concen: 51.362 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058073.D

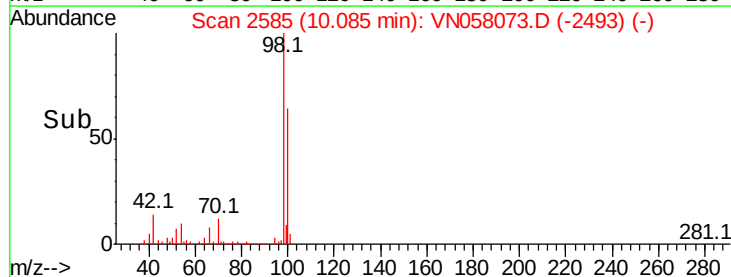
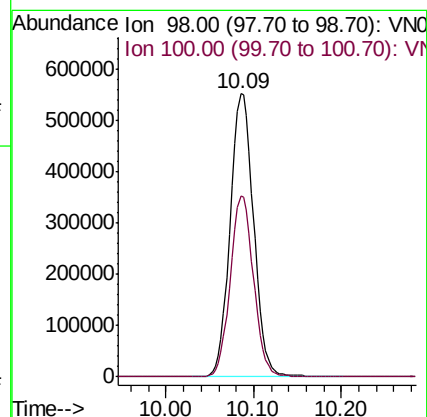
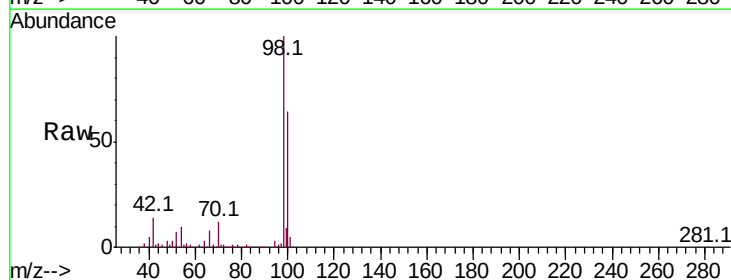
Acq: 14 Sep 2019 13:18

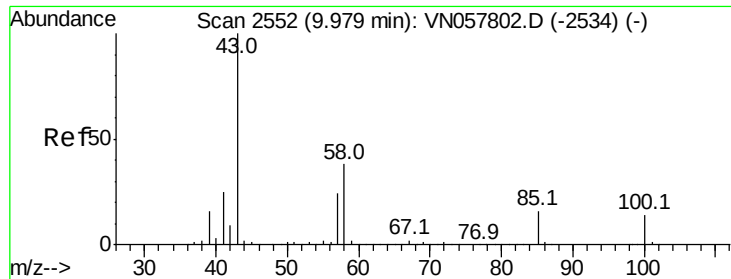
Tgt Ion: 98 Resp: 1031553

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.231 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

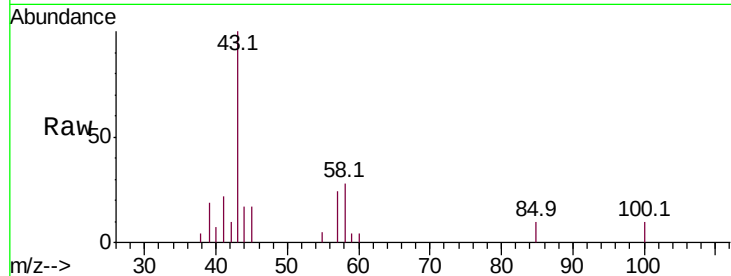
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 8230

Ion Ratio Lower Upper

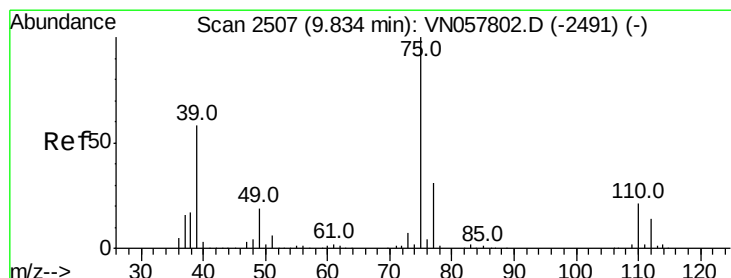
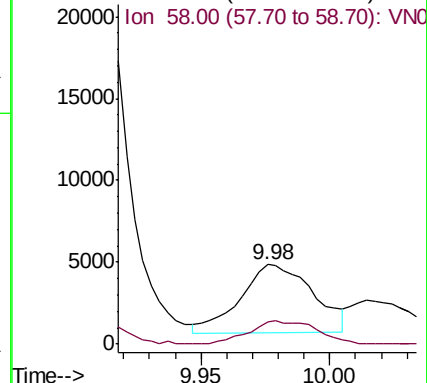
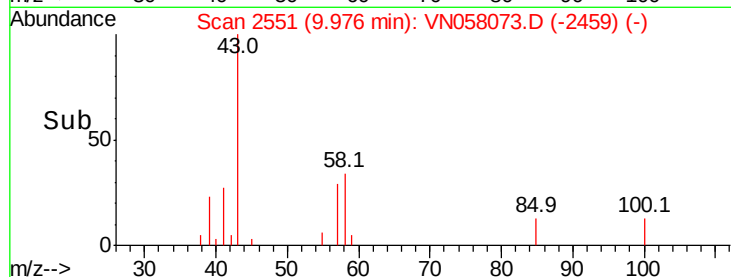
43 100

58 31.8 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) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.304 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

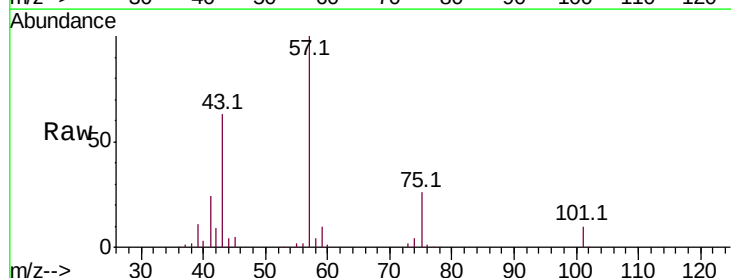
Tgt Ion: 75 Resp: 42370

Ion Ratio Lower Upper

75 100

77 0.7 24.8 37.2#

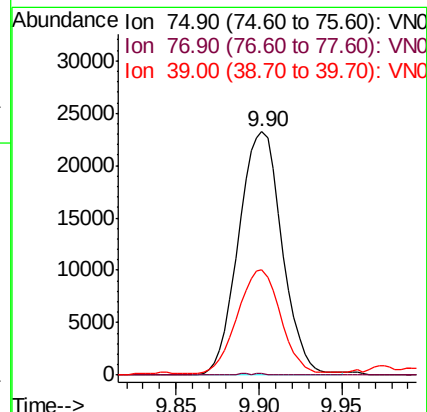
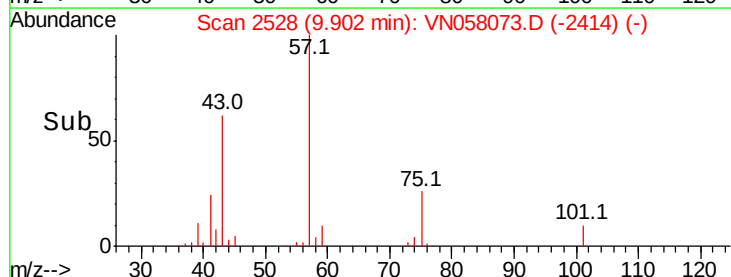
39 42.4 46.2 69.4#

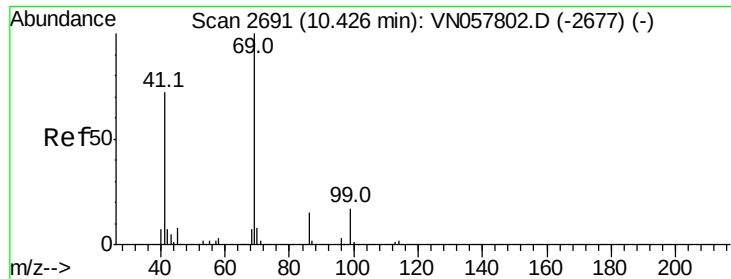


Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-2491) (-)

Ion 76.90 (76.60 to 77.60): VN057802.D (-2491) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-2491) (-)





#56

Ethyl methacrylate

Concen: 0.253 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.11 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

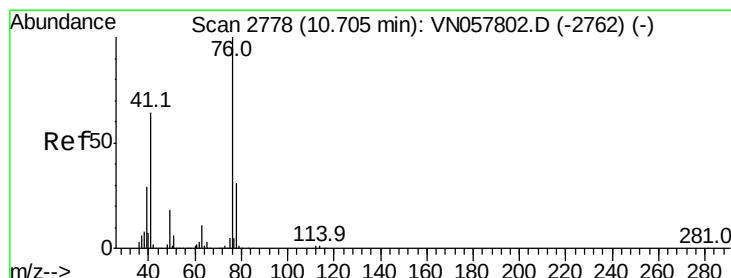
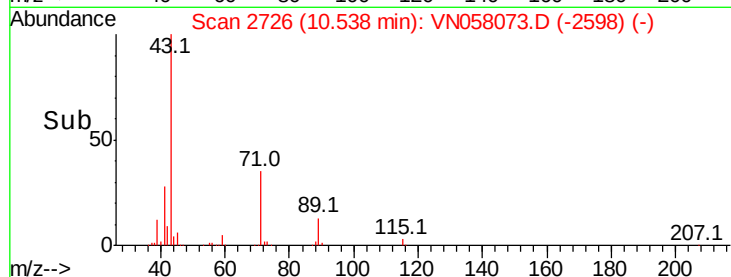
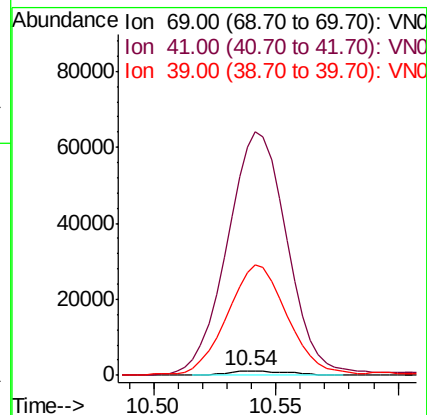
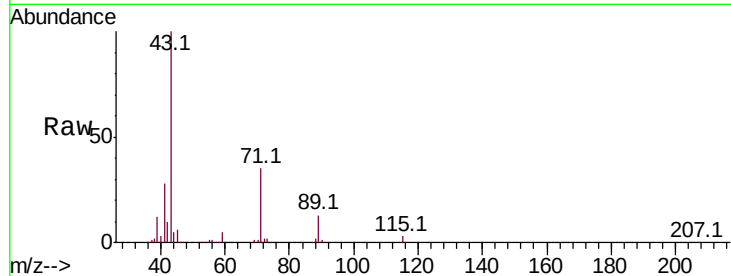
Tot Ion: 69 Resp: 1987

Ion Ratio Lower Upper

69 100

41 5528.2 56.7 85.1#

39 2528.8 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 0.711 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058073.D

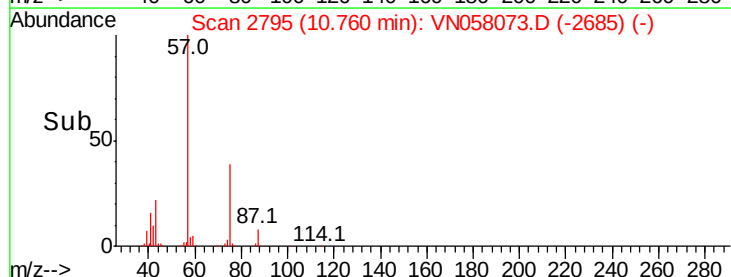
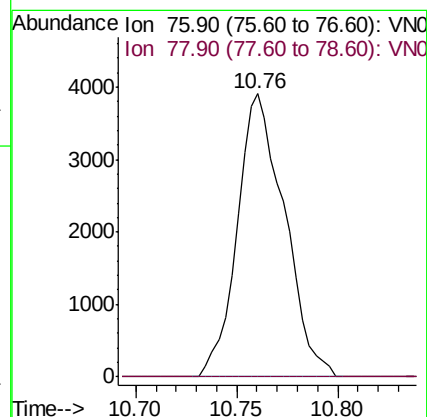
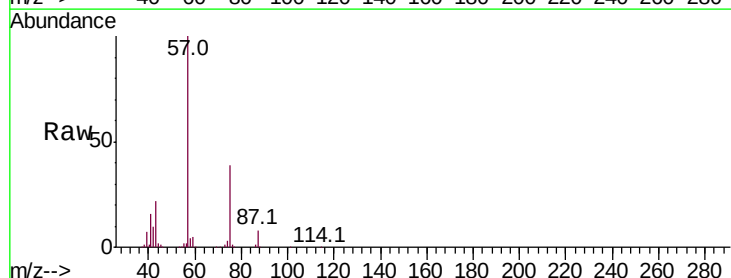
Acq: 14 Sep 2019 13:18

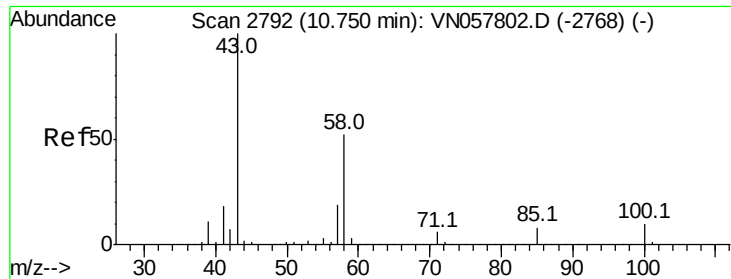
Tgt Ion: 76 Resp: 6399

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#





#59

2-Hexanone

Concen: 20.435 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

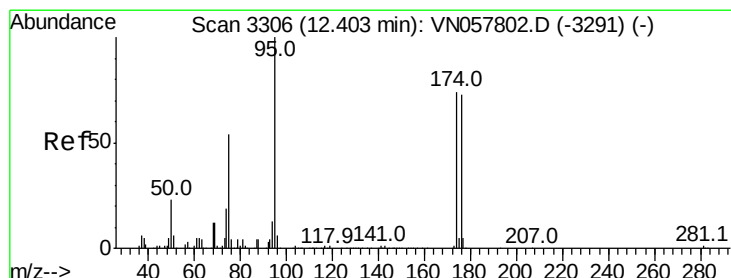
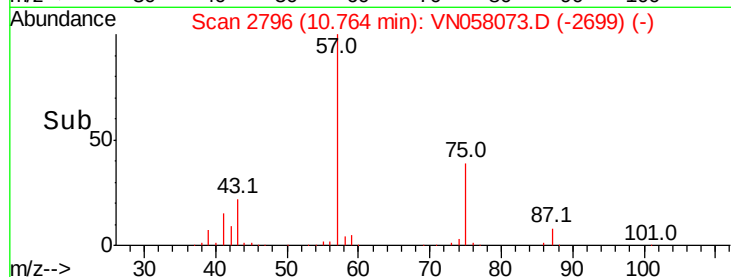
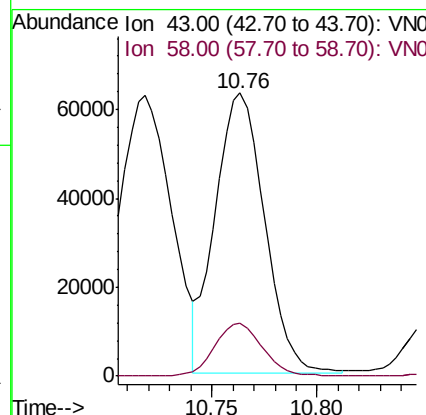
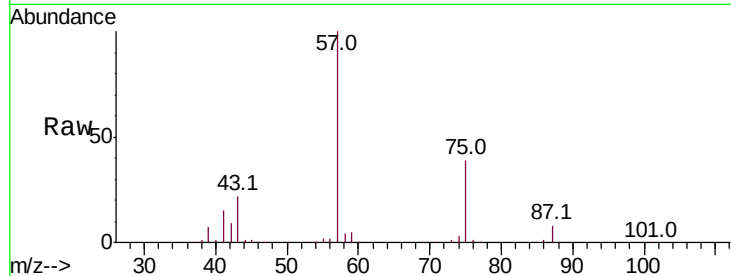
ClientSampleId :

Tot Ion: 43 Resp: 102362

Ion Ratio Lower Upper

43 100

58 18.6 25.6 76.8#



#62

4-Bromofluorobenzene

Concen: 44.105 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

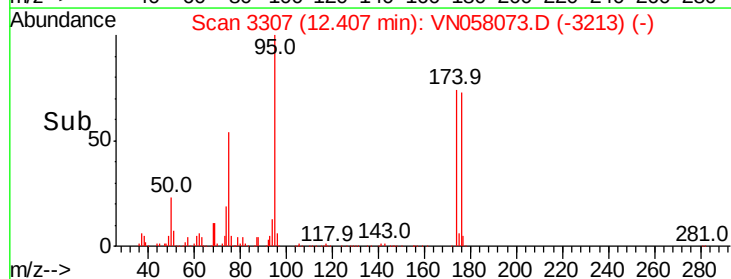
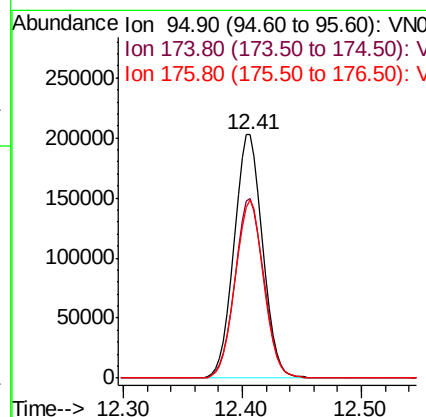
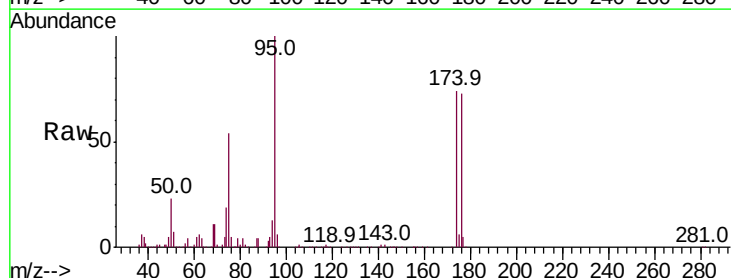
Tgt Ion: 95 Resp: 337565

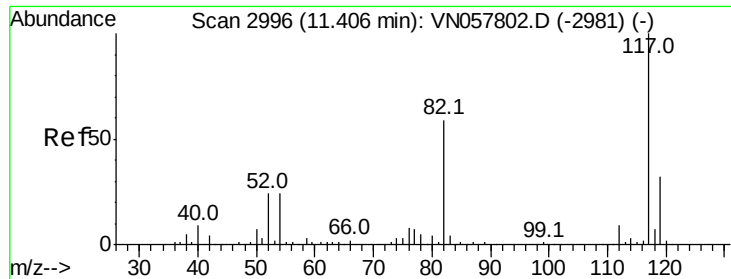
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 72.8 0.0 146.0

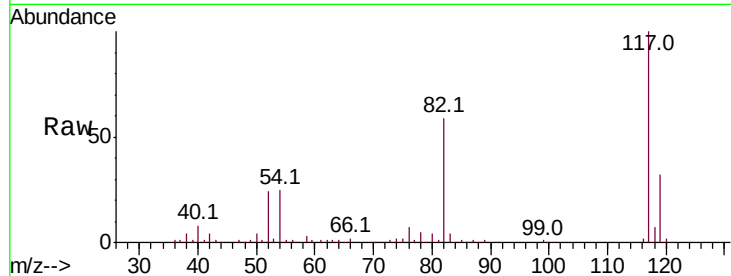




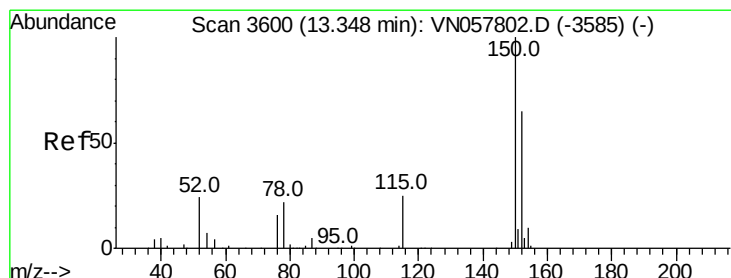
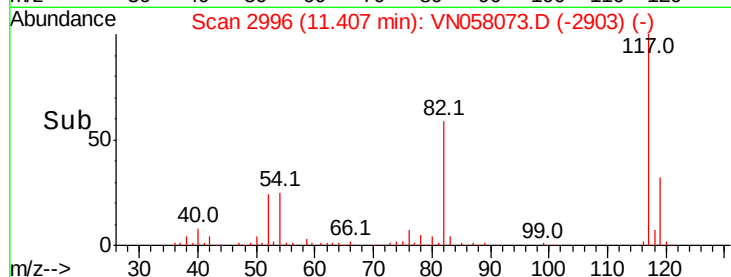
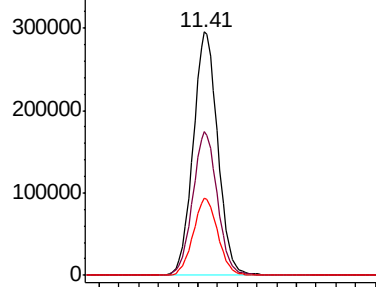
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058073.D
Acq: 14 Sep 2019 13:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 517040
Ion Ratio Lower Upper
117 100
82 59.1 47.2 70.8
119 31.5 25.3 37.9

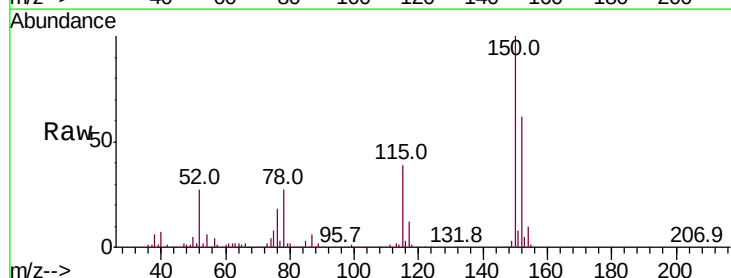


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

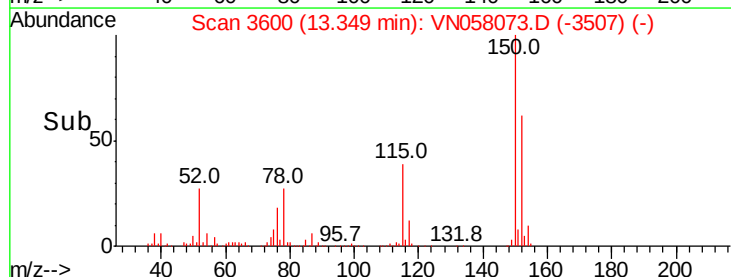
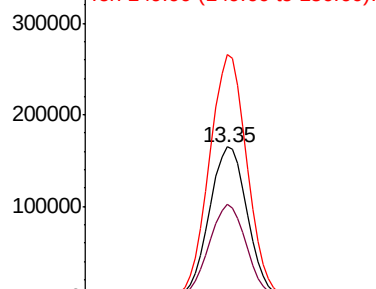


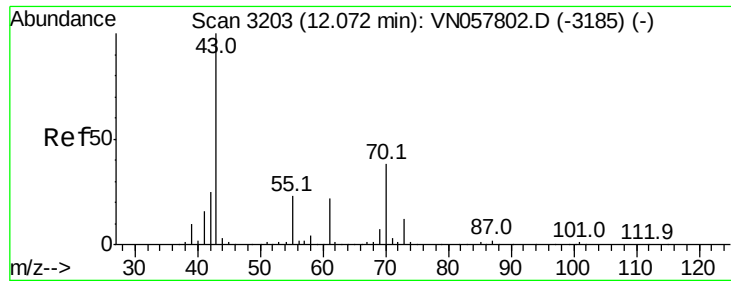
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058073.D
Acq: 14 Sep 2019 13:18

Tgt Ion:152 Resp: 270865
Ion Ratio Lower Upper
152 100
115 61.2 30.3 91.0
150 159.1 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-amvl acetate

Concen: 0.536 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 4906

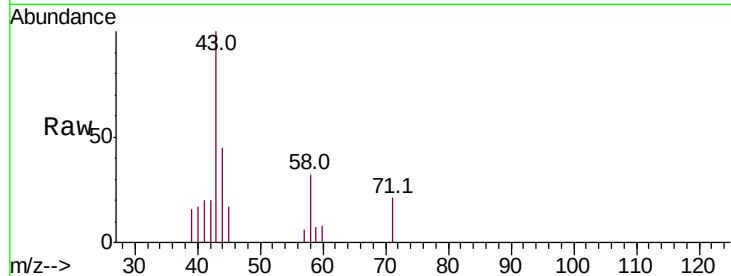
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 4.9 18.6 27.8#

61 0.0 17.4 26.2#

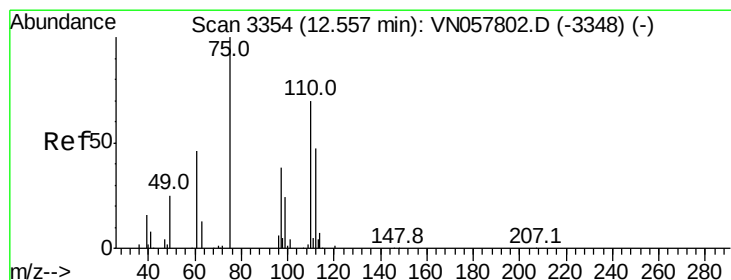
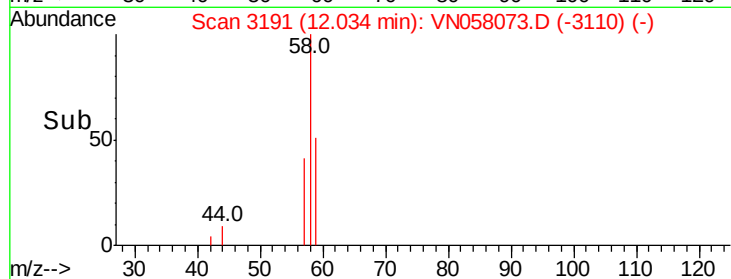
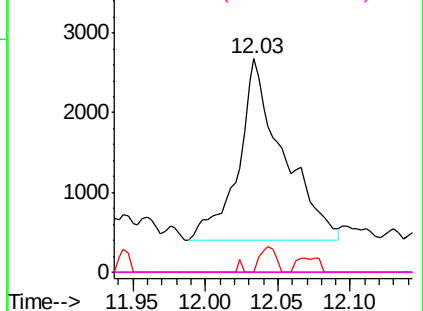


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 30.274 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058073.D

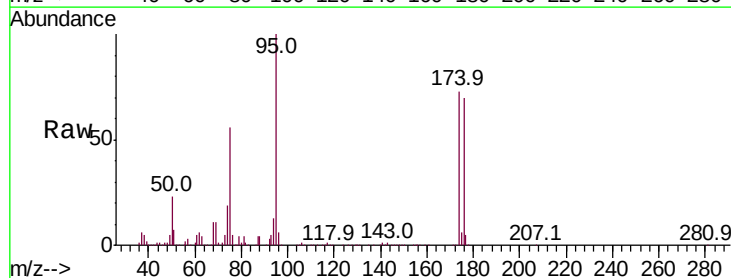
Acq: 14 Sep 2019 13:18

Tgt Ion: 75 Resp: 185501

Ion Ratio Lower Upper

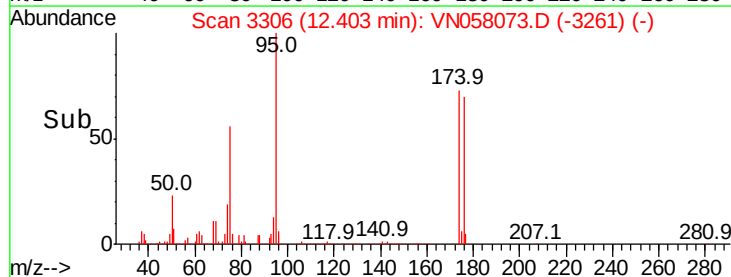
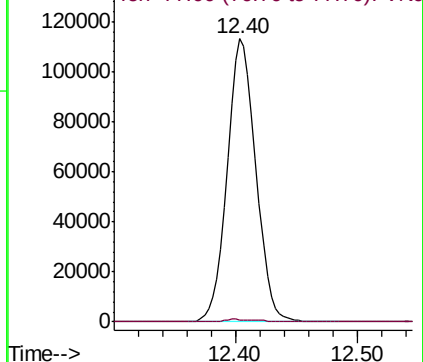
75 100

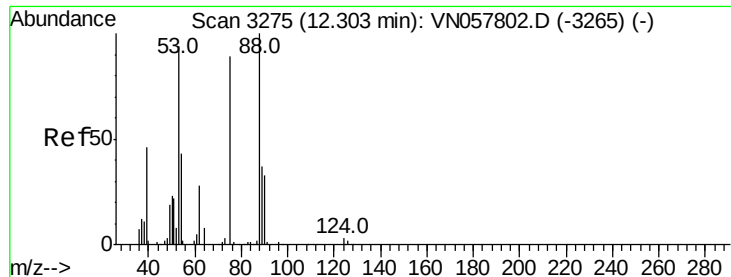
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 106.534 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

Instrument :

MSVOA_N

ClientSampleId :

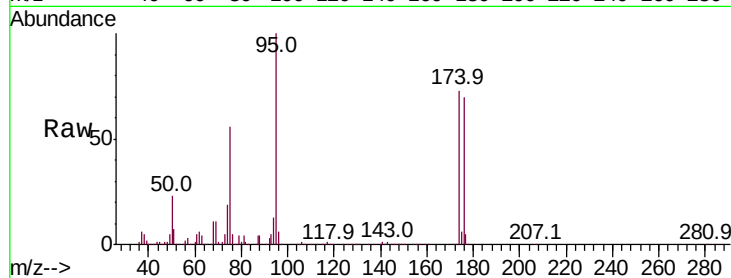
Tot Ion: 75 Resp: 185501

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

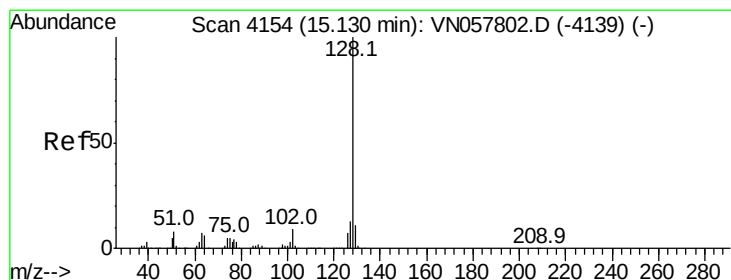
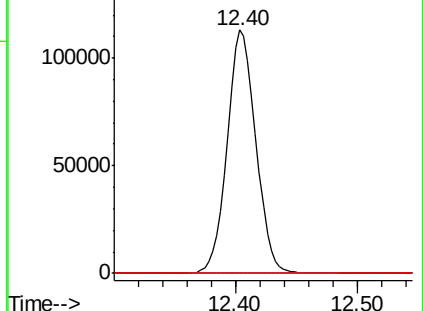
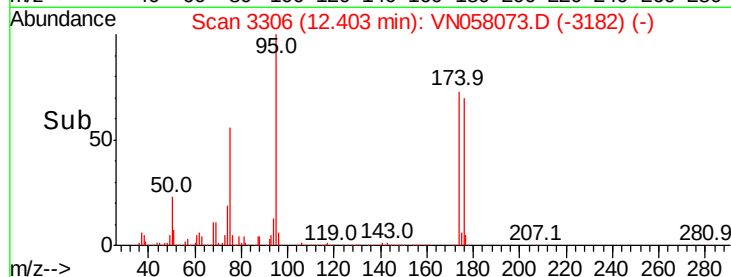
89 0.0 35.3 52.9#



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: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058073.D

Acq: 14 Sep 2019 13:18

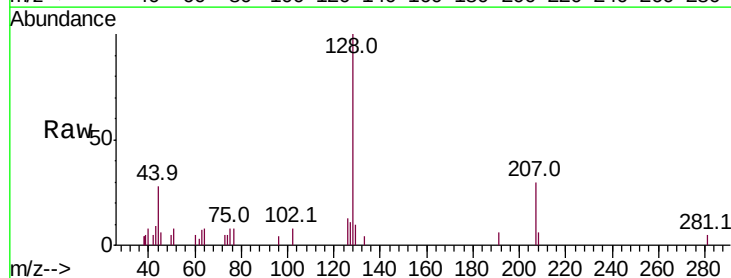
Tgt Ion: 128 Resp: 7906

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 7.6 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

