

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057874.D
 Acq On : 10 Sep 2019 19:36
 Operator : JC/SP
 Sample : K4623-30
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D2-(0)

Quant Time: Sep 11 03:56:58 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	285203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228491	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	325128	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	
35) Dibromofluoromethane	7.58	113	221826	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	10.09	98	892566	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.40	95	291326	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	

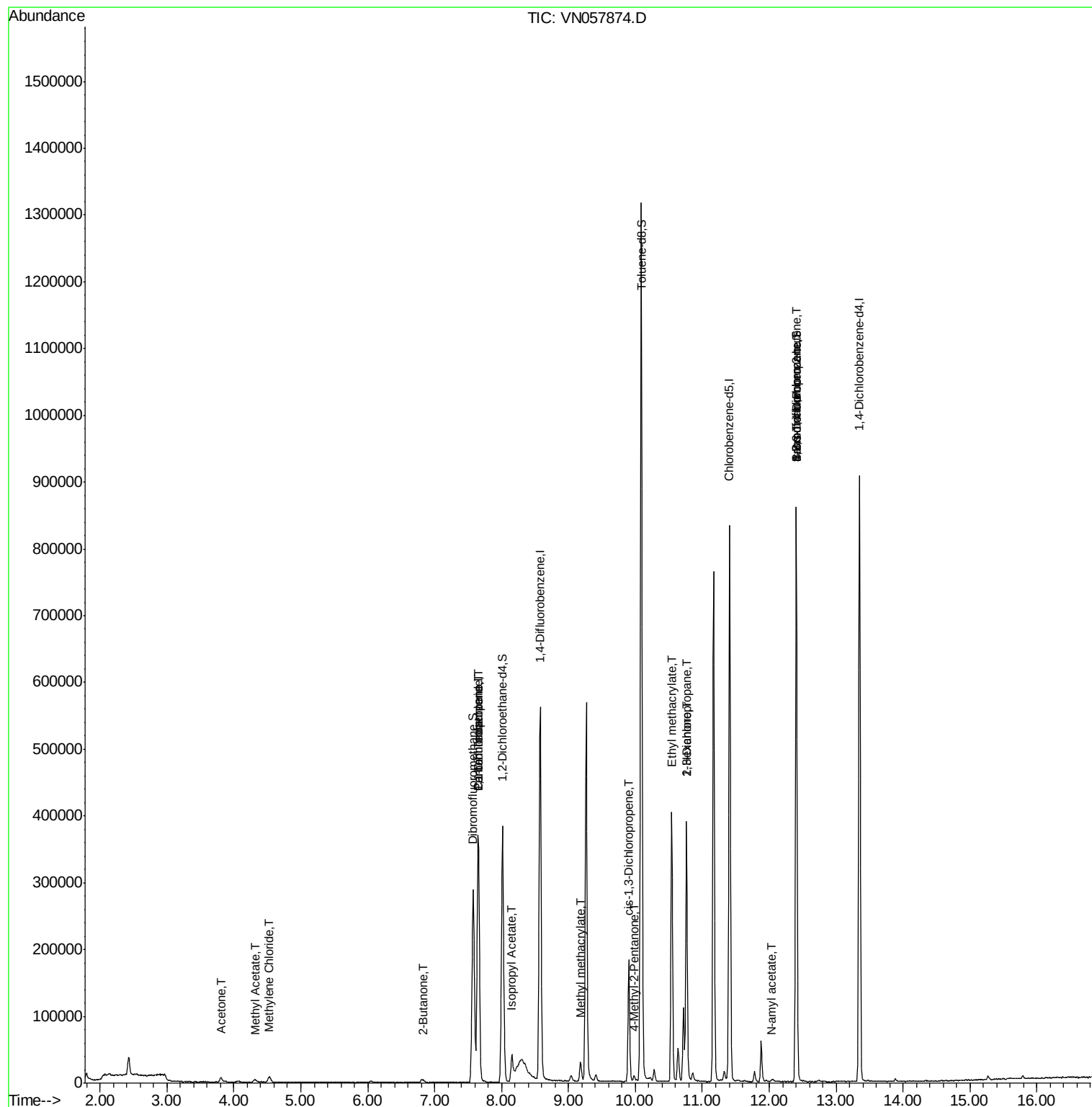
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	180	Below Cal	#	2
16) Acetone	3.81	43	12883	6.803	ug/l #	85
18) Methyl Acetate	4.32	43	7935	1.572	ug/l #	79
20) Methylene Chloride	4.53	84	6259	0.518	ug/l #	91
25) 2-Butanone	6.84	43	2226	0.812	ug/l #	88
31) Cyclohexane	7.65	56	7851	Below Cal	#	26
36) 1,1-Dichloropropene	7.65	75	24194	4.312	ug/l #	51
38) Carbon Tetrachloride	7.66	117	30300	5.915	ug/l #	17
43) Isopropyl Acetate	8.16	43	51850	5.319	ug/l #	90
48) Methyl methacrylate	9.17	41	3850	0.779	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	6642	1.151	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	30451	4.416	ug/l #	65
56) Ethyl methacrylate	10.55	69	1636	0.241	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3843	0.495	ug/l #	43
59) 2-Hexanone	10.76	43	60220	13.927	ug/l #	54
71) Bromoform	12.41	173	1699	0.670	ug/l #	1
74) N-amyl acetate	12.03	43	2885	0.374	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	157946	30.557	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	157946	107.531	ug/l #	6
95) Naphthalene	15.14	128	796	Below Cal	#	69

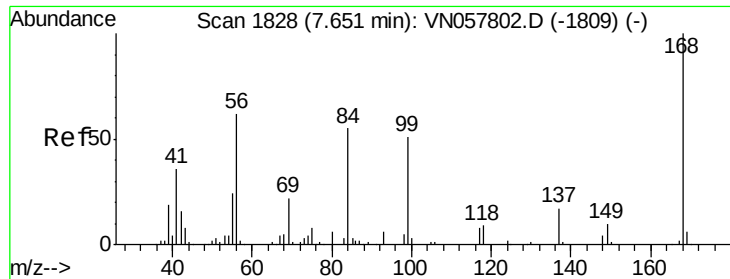
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057874.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

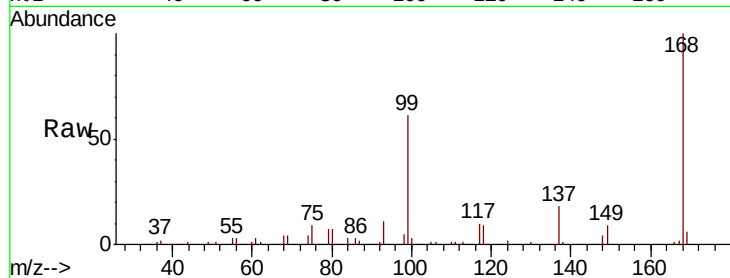
PAR-11-D2-(0)

Tgt Ion:168 Resp: 285203

Ion Ratio Lower Upper

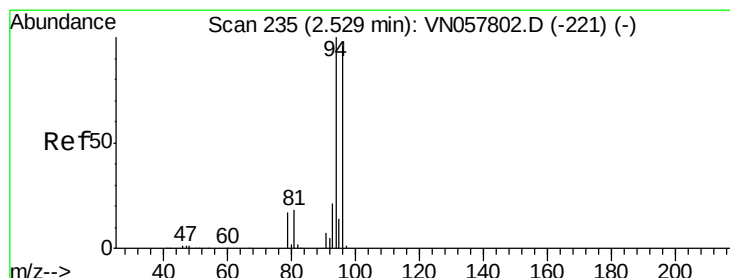
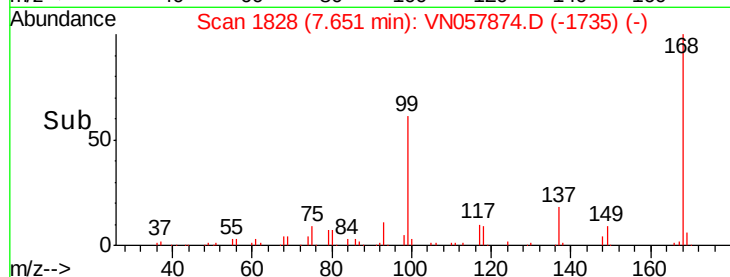
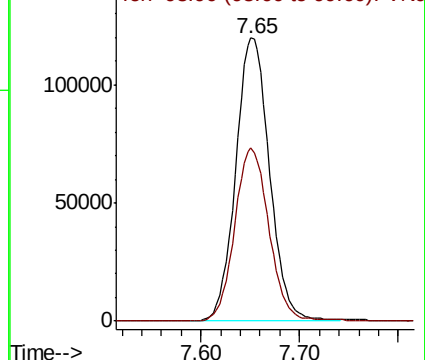
168 100

99 61.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057874.D

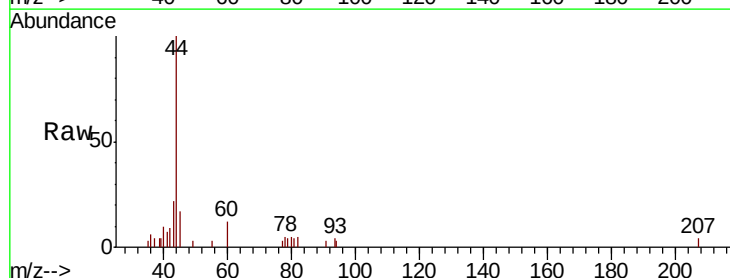
Acq: 10 Sep 2019 19:36

Tgt Ion: 94 Resp: 180

Ion Ratio Lower Upper

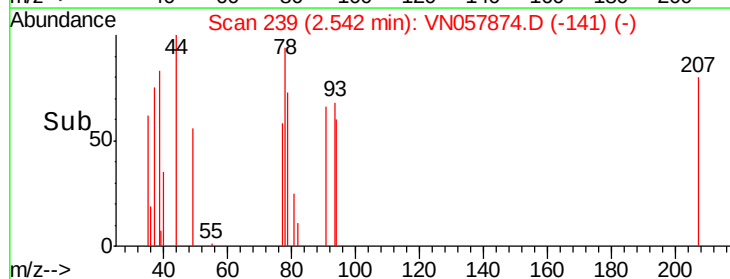
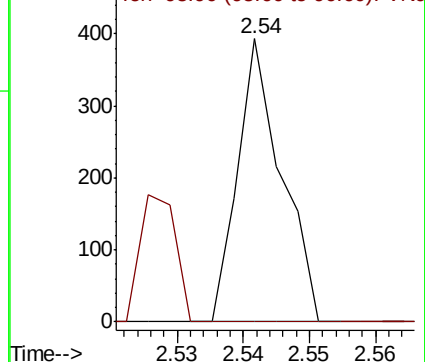
94 100

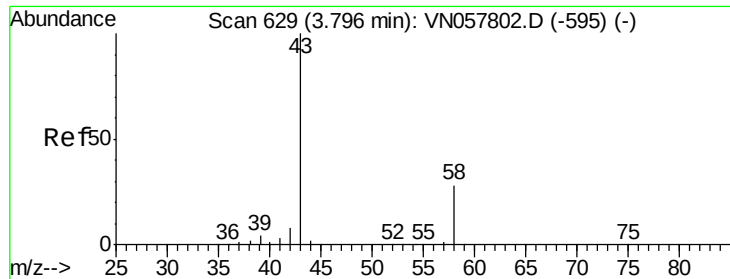
96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

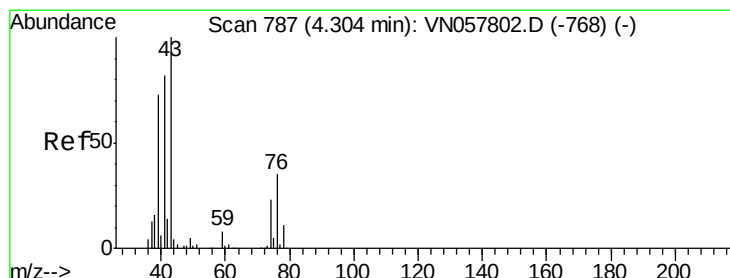
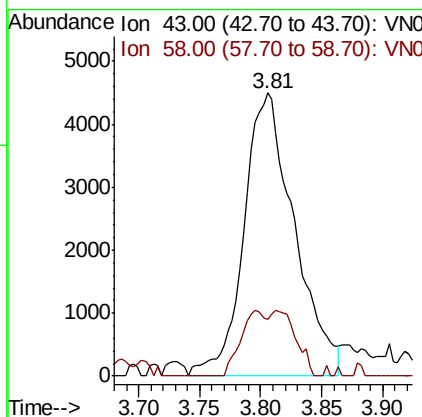
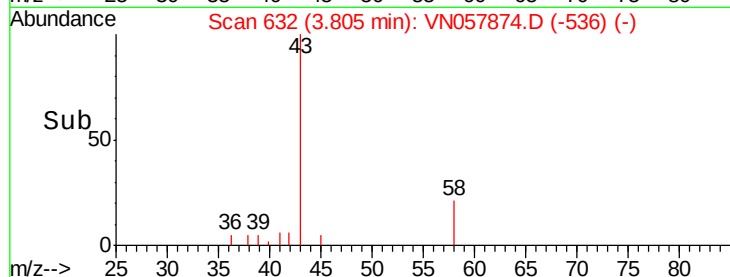
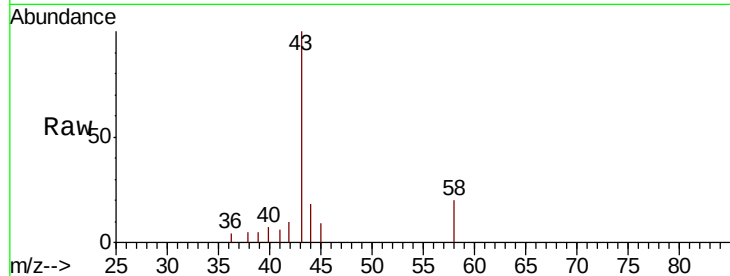




#16
Acetone
Concen: 6.803 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

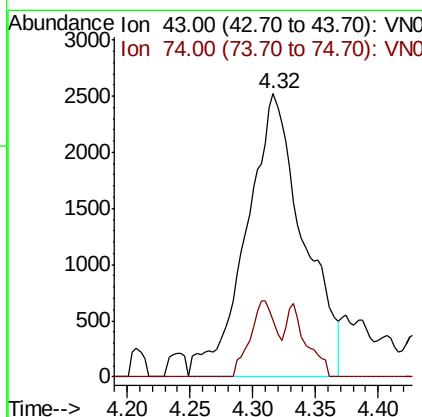
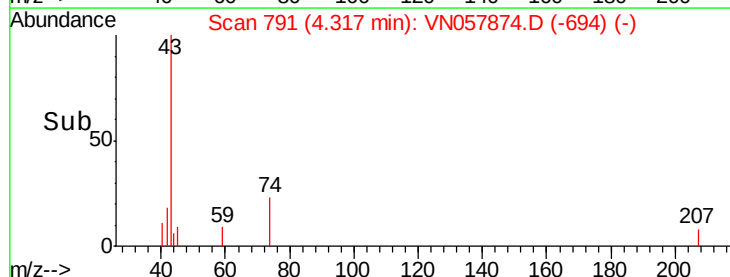
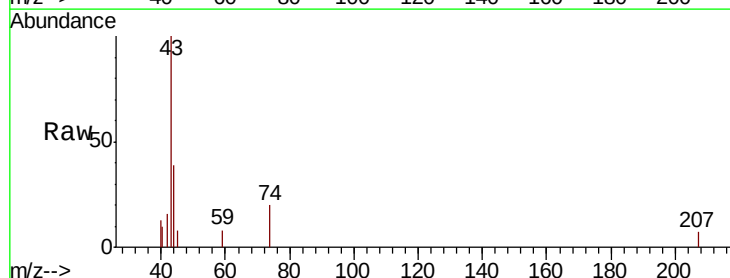
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-D2-(0)

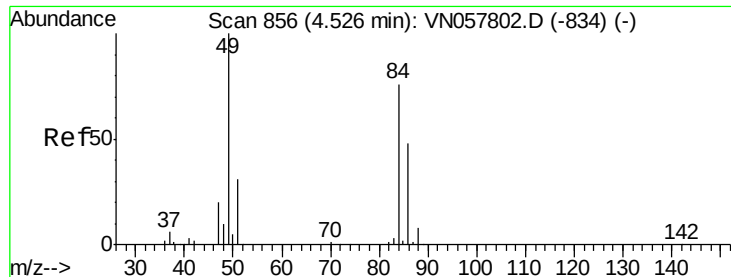
Tgt Ion: 43 Resp: 12883
Ion Ratio Lower Upper
43 100
58 20.1 22.2 33.2#



#18
Methyl Acetate
Concen: 1.572 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

Tgt Ion: 43 Resp: 7935
Ion Ratio Lower Upper
43 100
74 12.4 17.9 26.9#

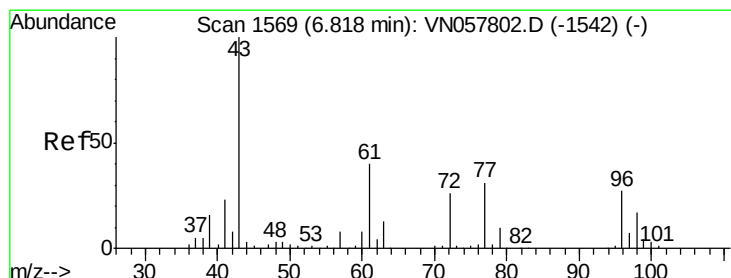
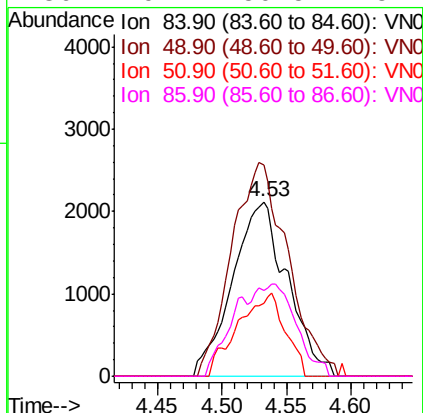
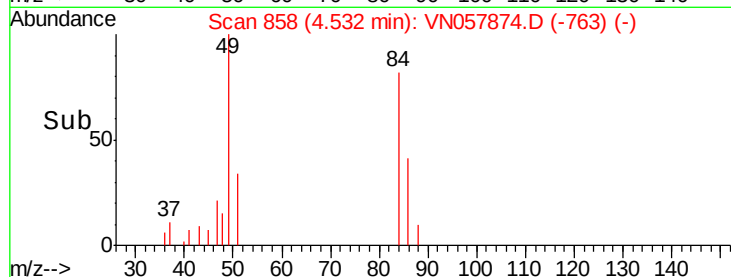
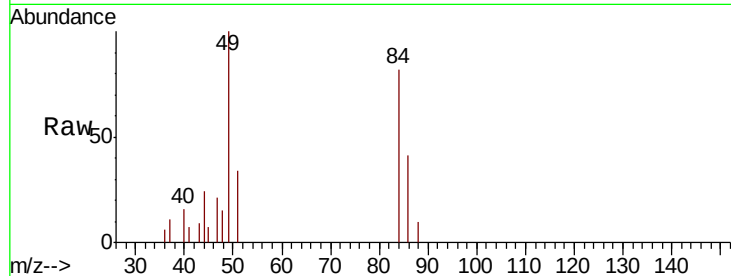




#20
Methylene Chloride
Concen: 0.518 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

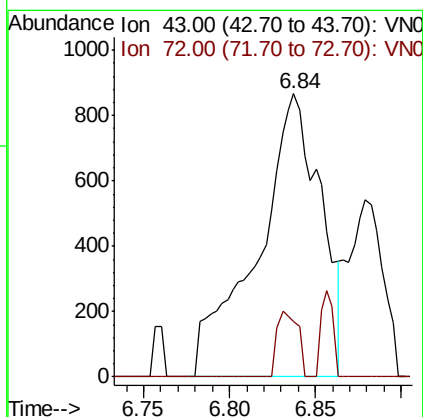
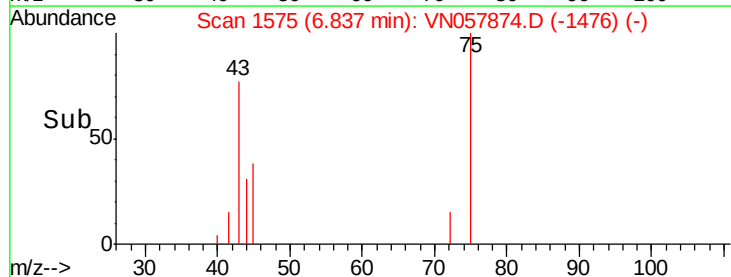
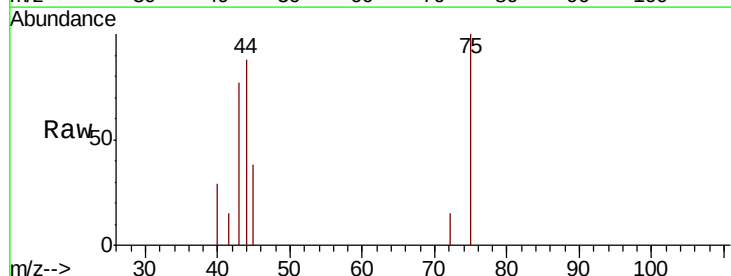
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-D2-(0)

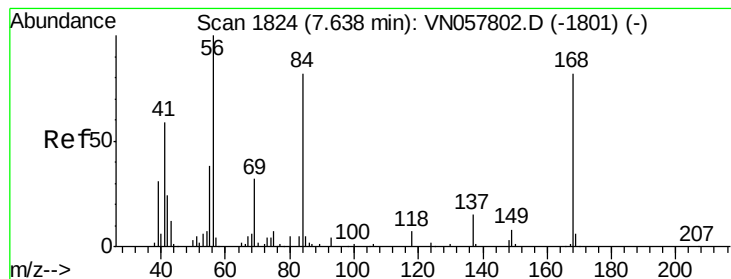
Tgt Ion: 84 Resp: 6259
Ion Ratio Lower Upper
84 100
49 121.3 104.8 157.2
51 41.8 33.0 49.4
86 49.4 50.5 75.7#



#25
2-Butanone
Concen: 0.812 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
72 19.7 20.6 30.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D2-(0)

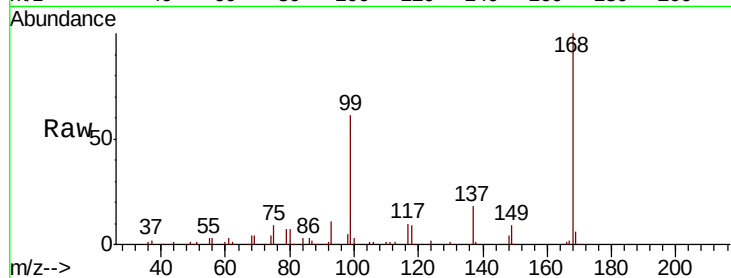
Tgt Ion: 56 Resp: 7851

Ion Ratio Lower Upper

56 100

69 142.7 25.9 38.9#

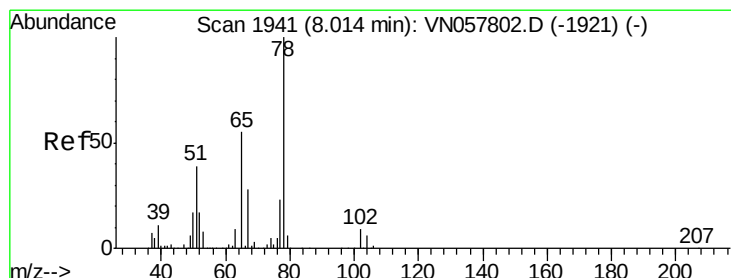
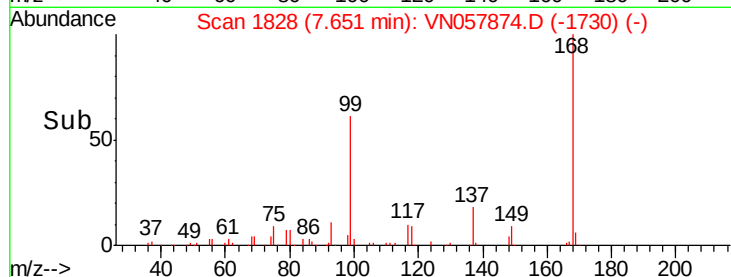
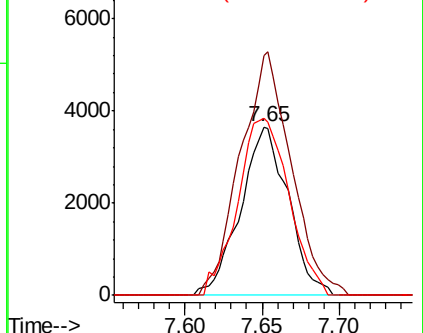
84 105.1 65.6 98.4#



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: 56.284 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057874.D

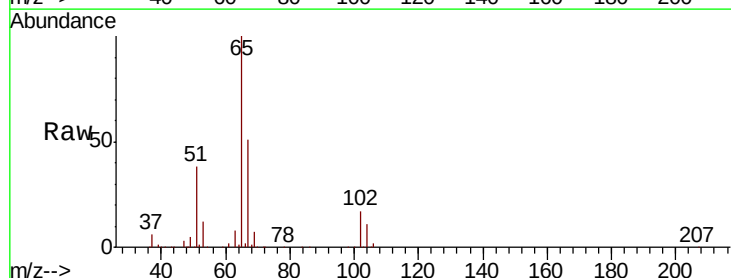
Acq: 10 Sep 2019 19:36

Tgt Ion: 65 Resp: 325128

Ion Ratio Lower Upper

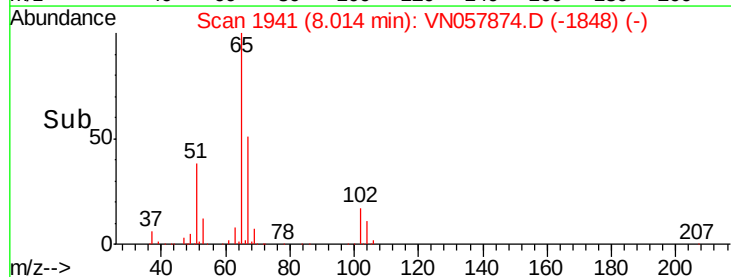
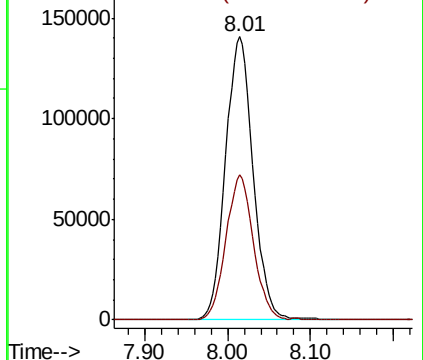
65 100

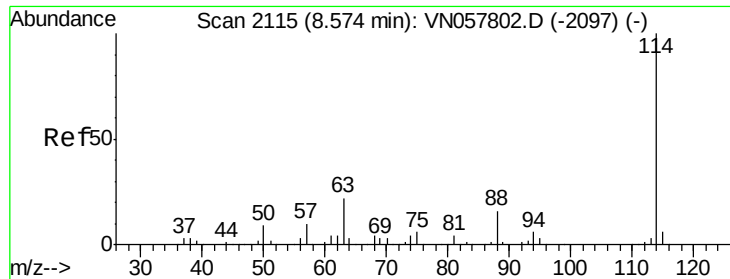
67 51.0 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

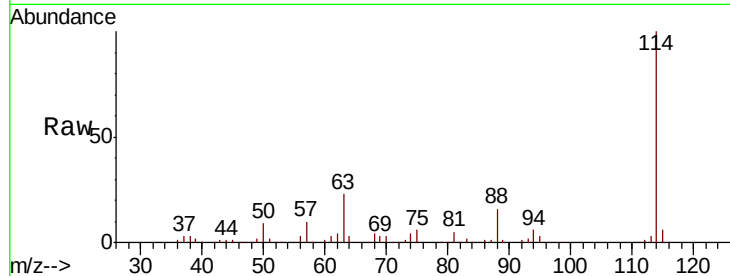




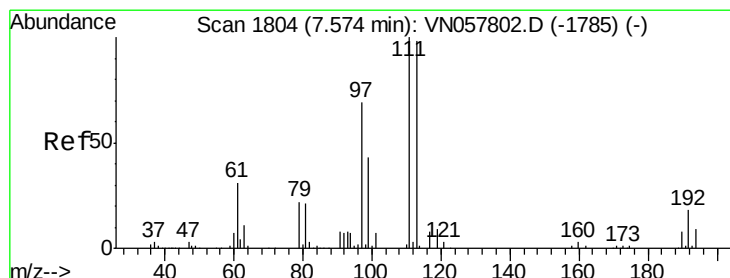
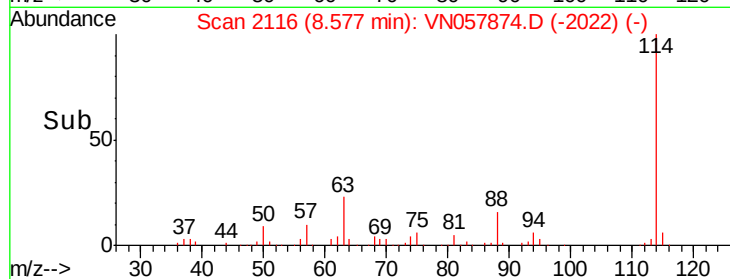
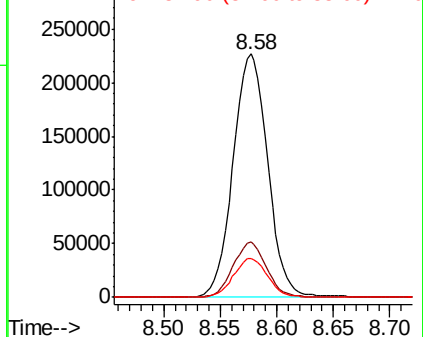
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057874.D
 Acq: 10 Sep 2019 19:36

Instrument :
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 PAR-11-D2-(0)

Tgt Ion:114 Resp: 483787
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 16.0 0.0 31.4

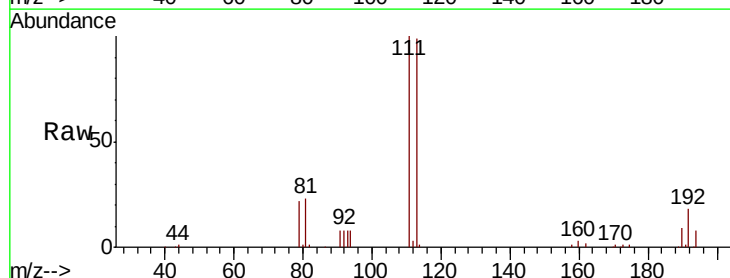


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

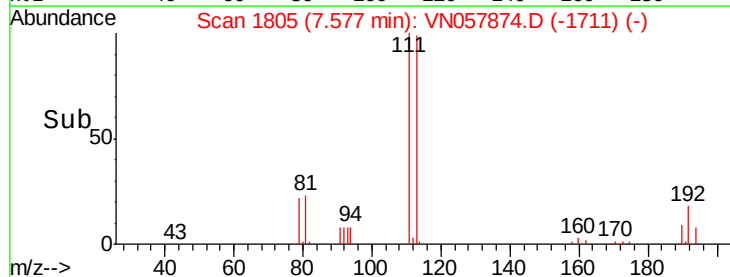
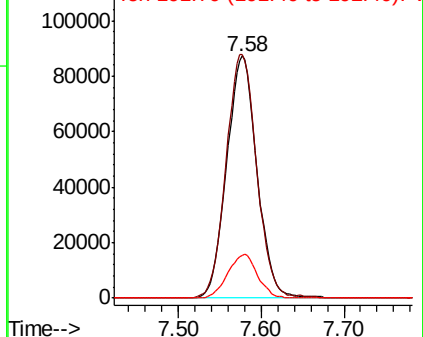


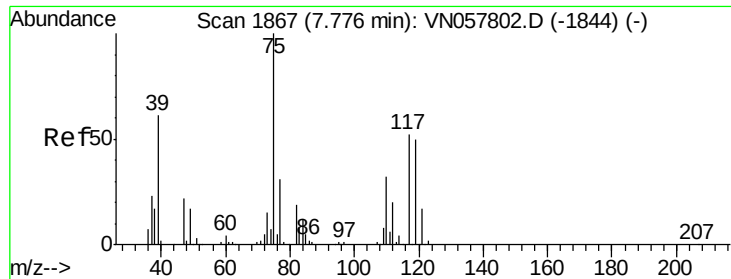
#35
 Dibromofluoromethane
 Concen: 49.679 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057874.D
 Acq: 10 Sep 2019 19:36

Tgt Ion:113 Resp: 221826
 Ion Ratio Lower Upper
 113 100
 111 101.1 81.3 121.9
 192 17.6 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

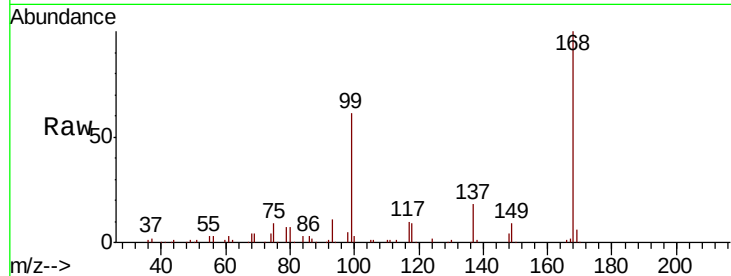




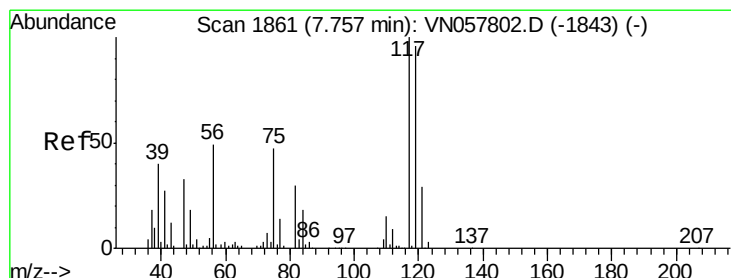
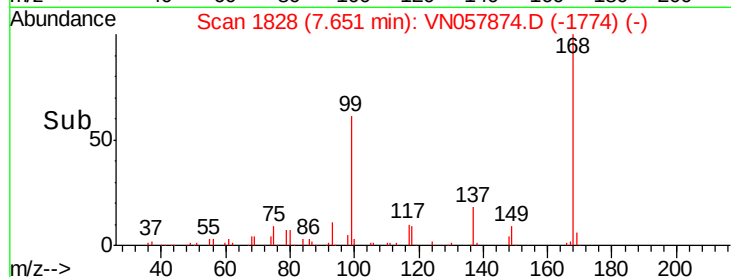
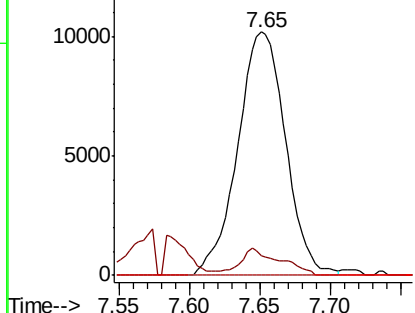
#36
 1,1-Dichloropropene
 Concen: 4.312 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057874.D
 Acq: 10 Sep 2019 19:36

Instrument :
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Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.3	48.9#
77	0.0	25.0	37.4#

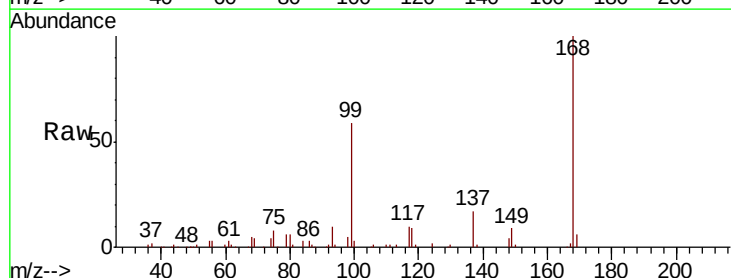


Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-1844) (-)
 Ion 109.90 (109.60 to 110.60): VN057802.D (-1844) (-)
 Ion 76.90 (76.60 to 77.60): VN057802.D (-1844) (-)

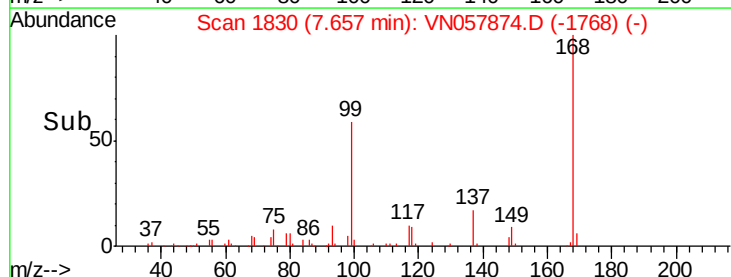
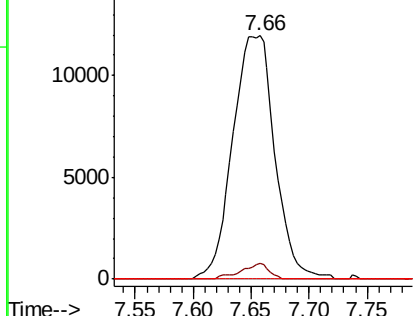


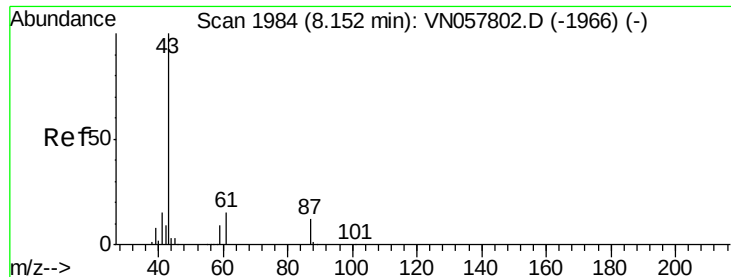
#38
 Carbon Tetrachloride
 Concen: 5.915 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.10 min
 Lab File: VN057874.D
 Acq: 10 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.9	115.3#
121	0.0	23.4	35.2#



Abundance Ion 116.80 (116.50 to 117.50): VN057802.D (-1843) (-)
 Ion 118.80 (118.50 to 119.50): VN057802.D (-1843) (-)
 Ion 120.80 (120.50 to 121.50): VN057802.D (-1843) (-)





#43

Isopropyl Acetate

Concen: 5.319 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D2-(0)

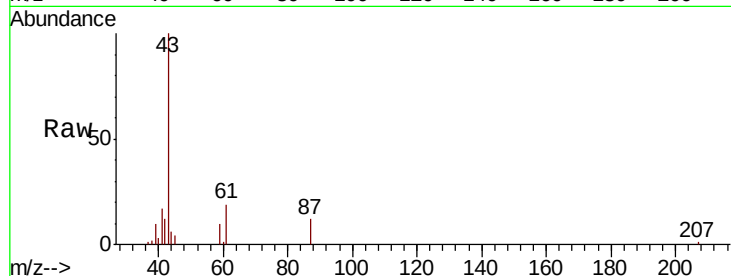
Tgt Ion: 43 Resp: 51850

Ion Ratio Lower Upper

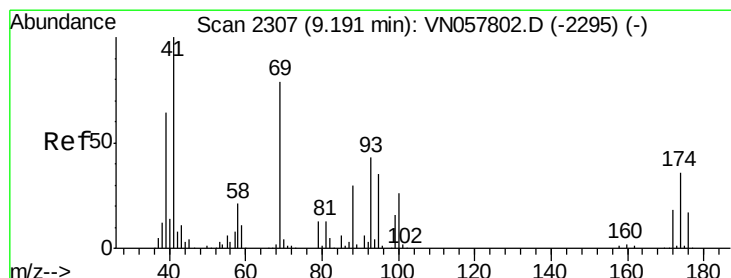
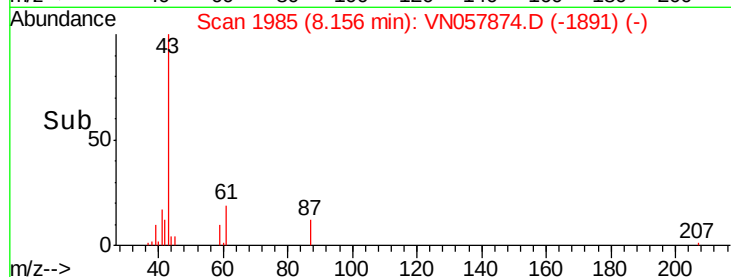
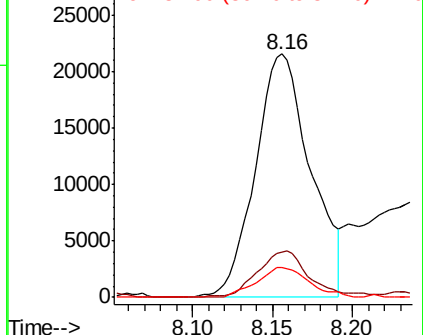
43 100

61 18.2 20.1 30.1#

87 11.6 9.5 14.3



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



#48

Methyl methacrylate

Concen: 0.779 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

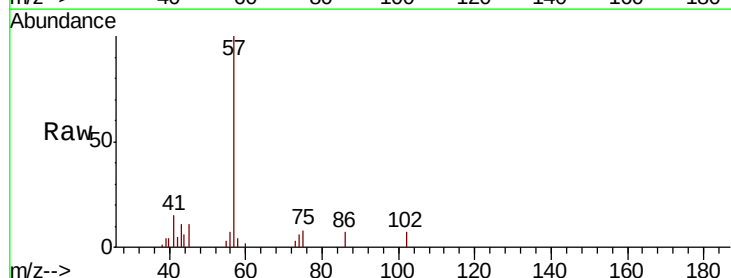
Tgt Ion: 41 Resp: 3850

Ion Ratio Lower Upper

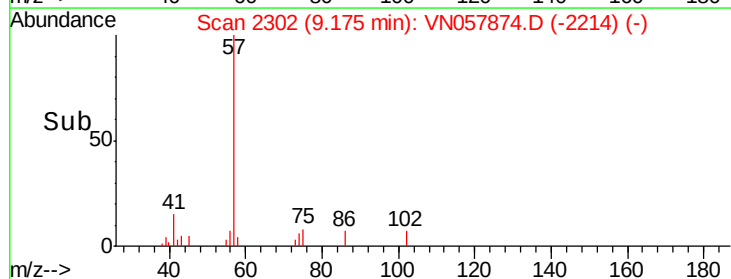
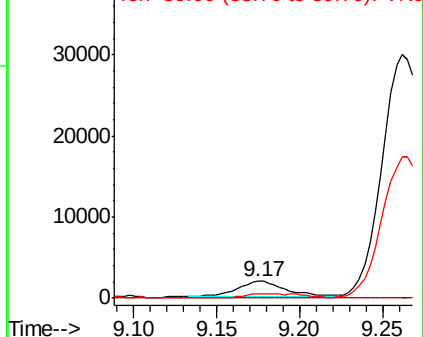
41 100

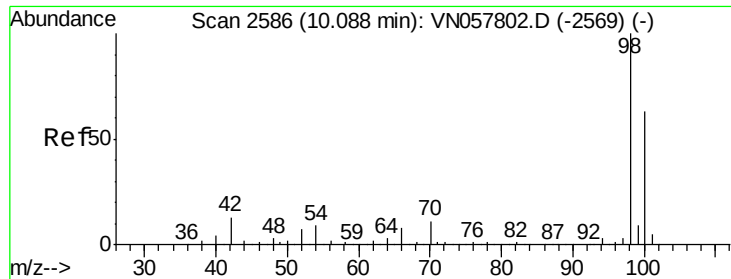
69 0.0 62.7 94.1#

39 0.0 52.7 79.1#



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

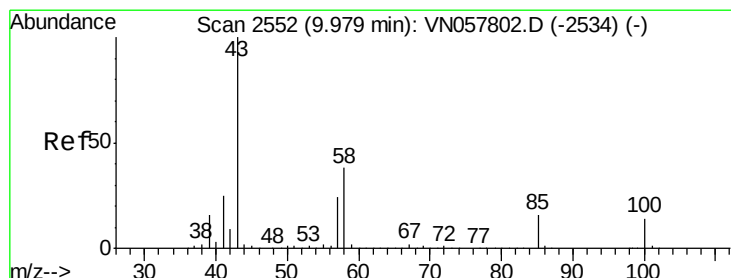
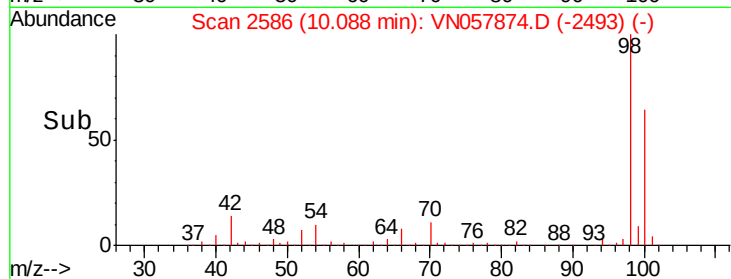
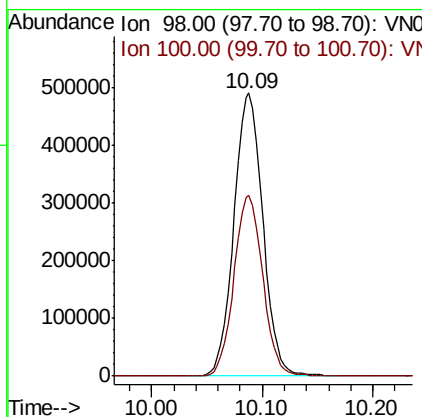
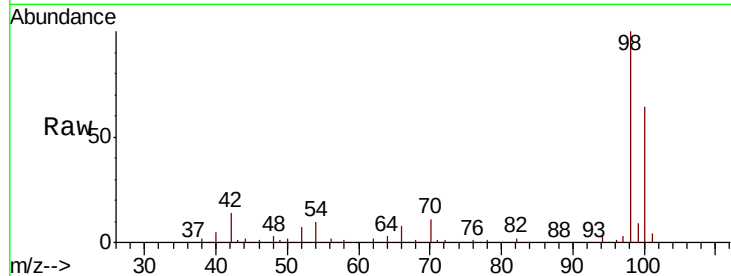




#50
Toluene-d8
Concen: 51.486 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

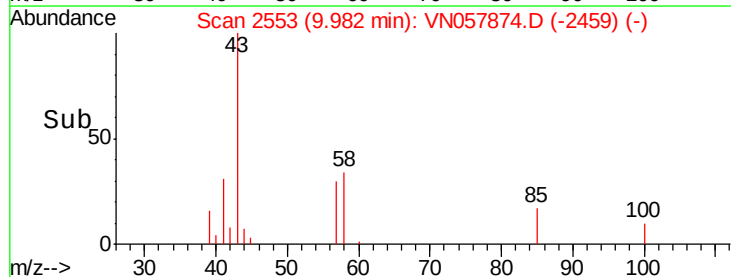
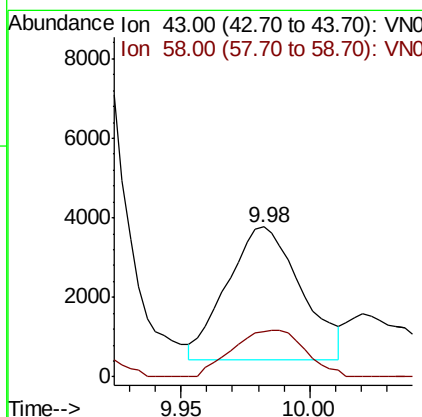
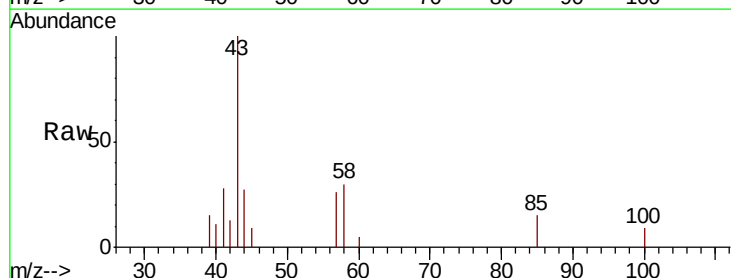
Instrument :
MSVOA_N
ClientSampled :
PAR-11-D2-(0)

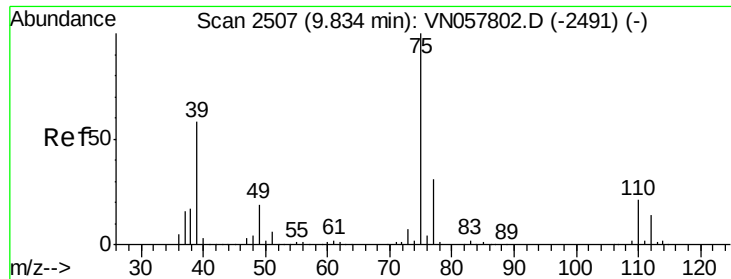
Tgt Ion: 98 Resp: 892566
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.151 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

Tgt Ion: 43 Resp: 6642
Ion Ratio Lower Upper
43 100
58 34.8 29.8 44.6





#54

cis-1,3-Dichloropropene

Concen: 4.416 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D2-(0)

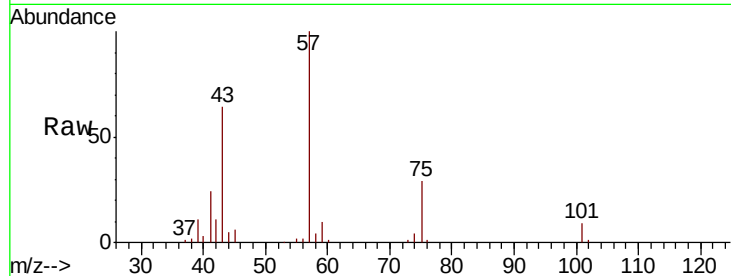
Tgt Ion: 75 Resp: 30451

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

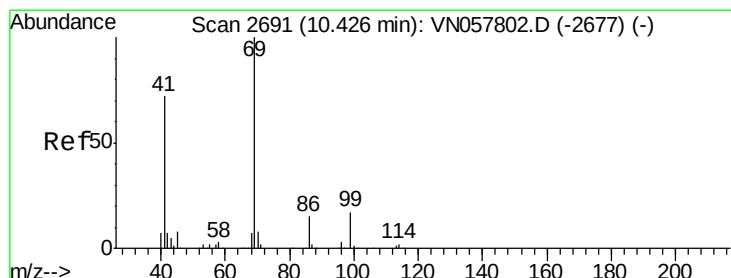
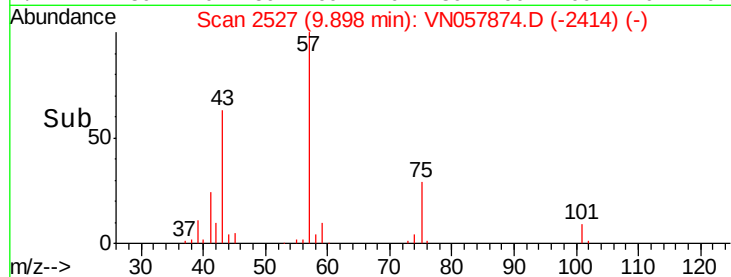
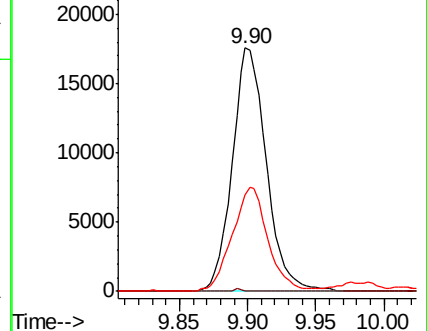
39 39.9 46.2 69.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.241 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.13 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

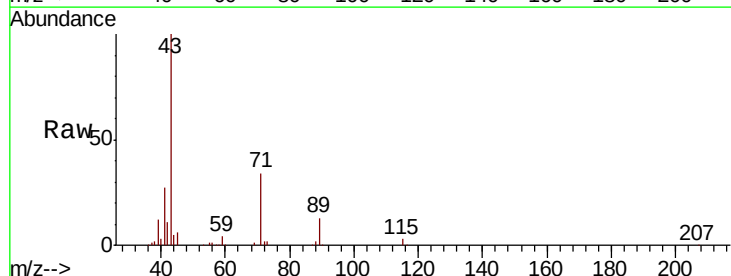
Tgt Ion: 69 Resp: 1636

Ion Ratio Lower Upper

69 100

41 5007.9 56.7 85.1#

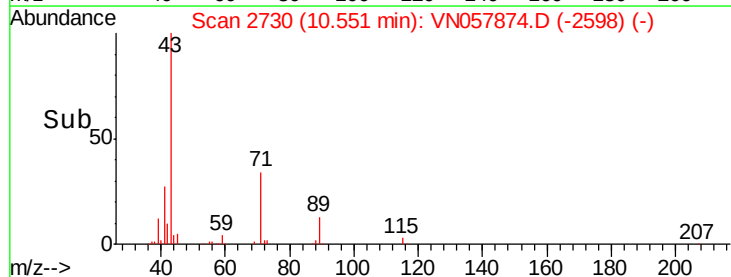
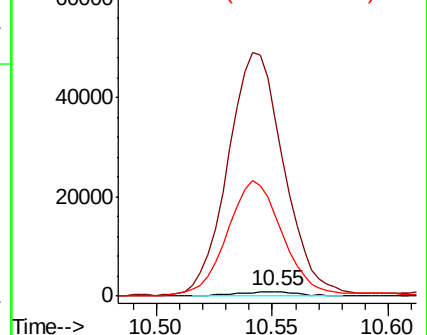
39 2418.9 36.3 54.5#

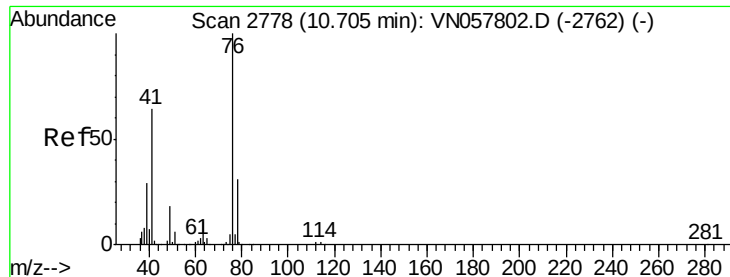


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.495 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

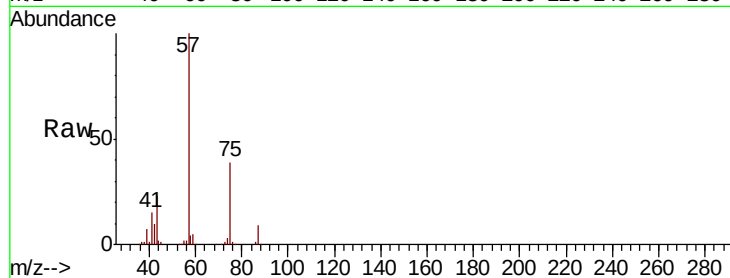
PAR-11-D2-(0)

Tgt Ion: 76 Resp: 3843

Ion Ratio Lower Upper

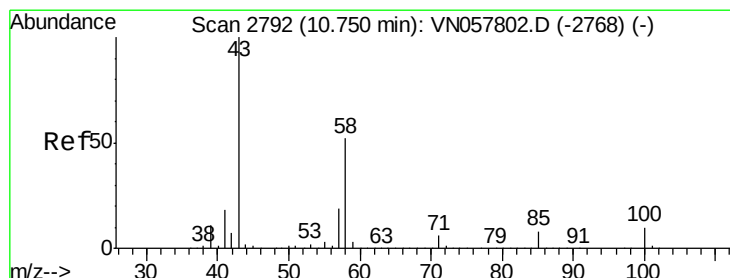
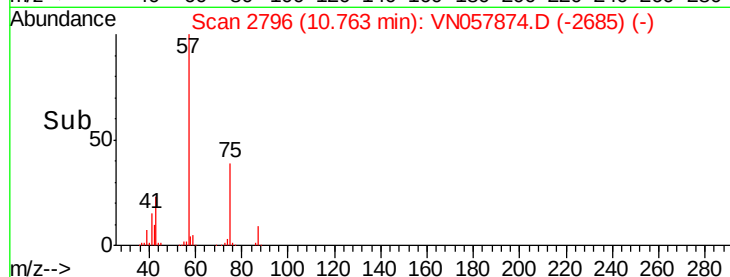
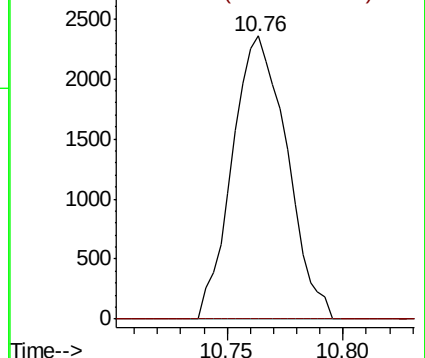
76 100

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: 13.927 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN057874.D

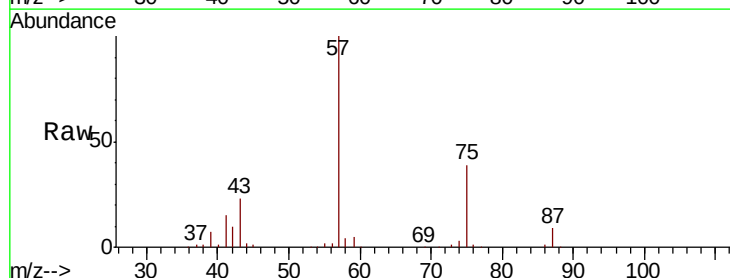
Acq: 10 Sep 2019 19:36

Tgt Ion: 43 Resp: 60220

Ion Ratio Lower Upper

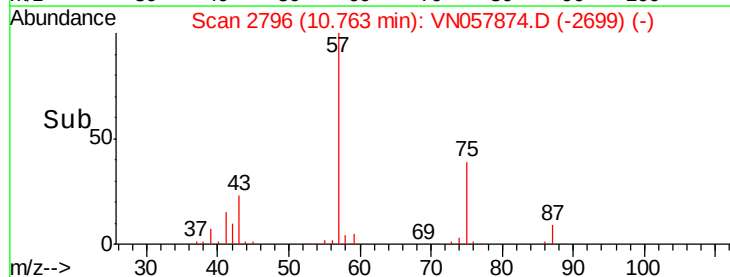
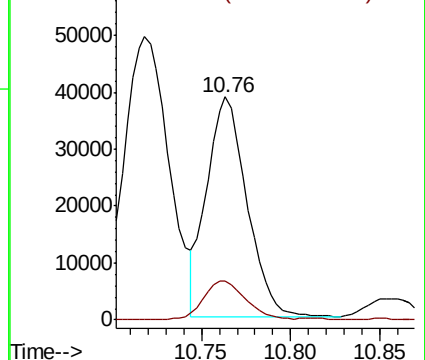
43 100

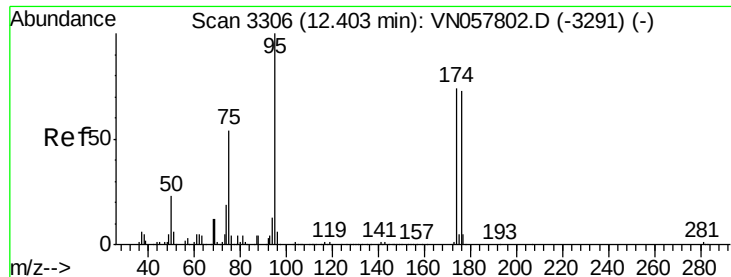
58 18.8 25.6 76.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

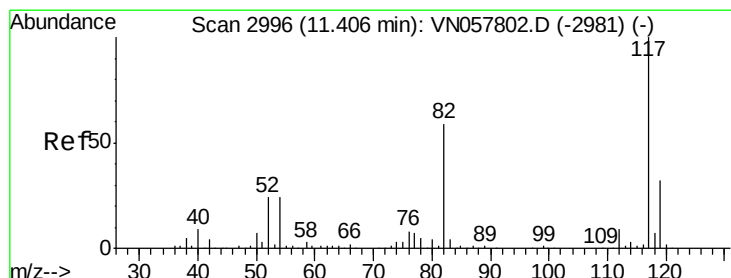
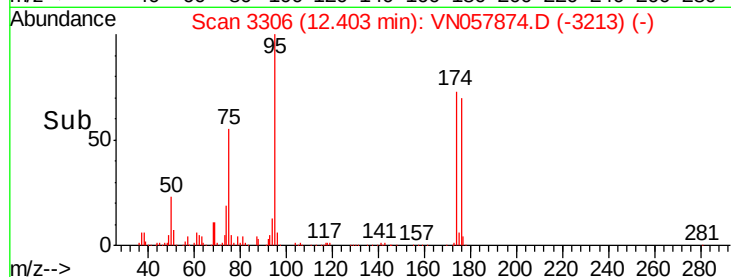
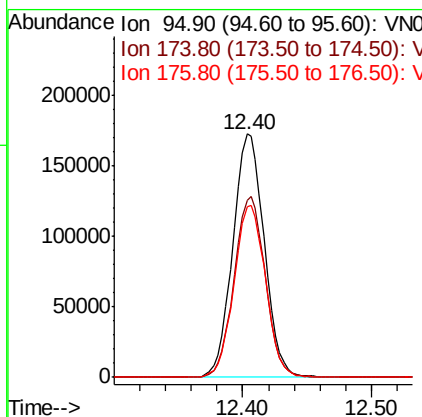
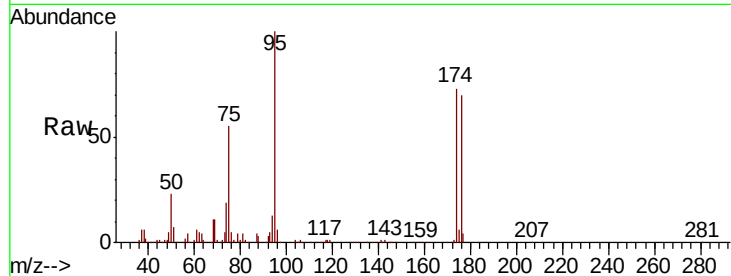




#62
4-Bromofluorobenzene
Concen: 44.096 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

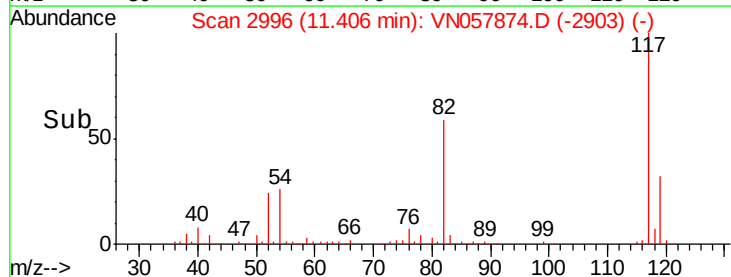
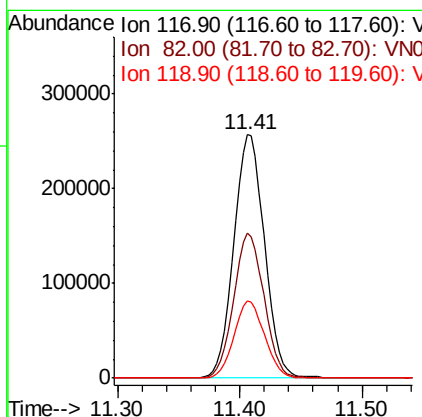
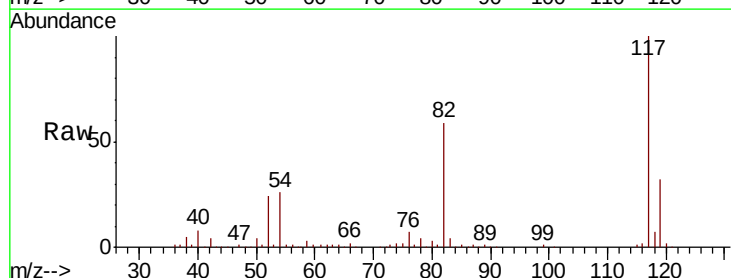
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-D2-(0)

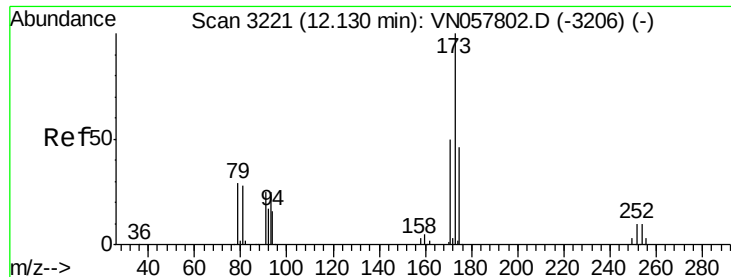
Tgt Ion: 95 Resp: 291326
Ion Ratio Lower Upper
95 100
174 73.8 0.0 150.2
176 71.1 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057874.D
Acq: 10 Sep 2019 19:36

Tgt Ion: 117 Resp: 447604
Ion Ratio Lower Upper
117 100
82 59.3 47.2 70.8
119 31.6 25.3 37.9





#71

Bromoform

Concen: 0.670 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

PAR-11-D2-(0)

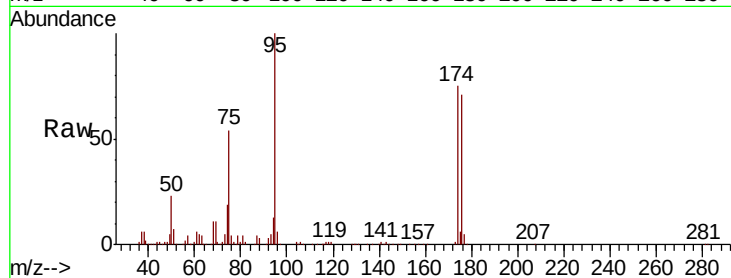
Tgt Ion:173 Resp: 1699

Ion Ratio Lower Upper

173 100

175 863.4 23.5 70.6#

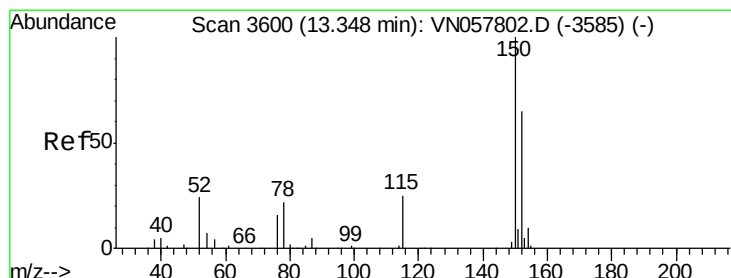
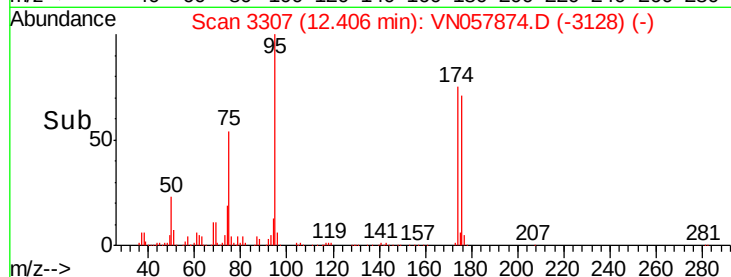
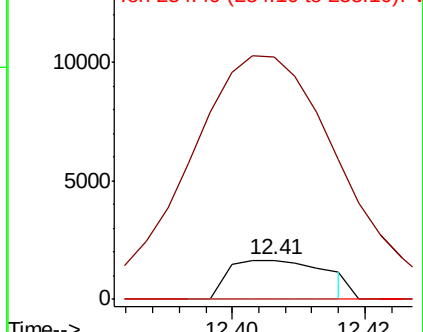
254 0.0 0.1 0.1#



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: VN057874.D

Acq: 10 Sep 2019 19:36

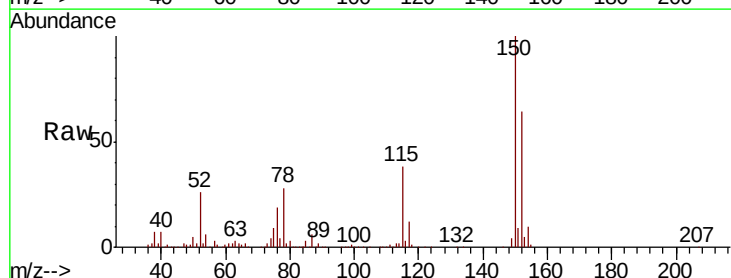
Tgt Ion:152 Resp: 228491

Ion Ratio Lower Upper

152 100

115 59.8 30.3 91.0

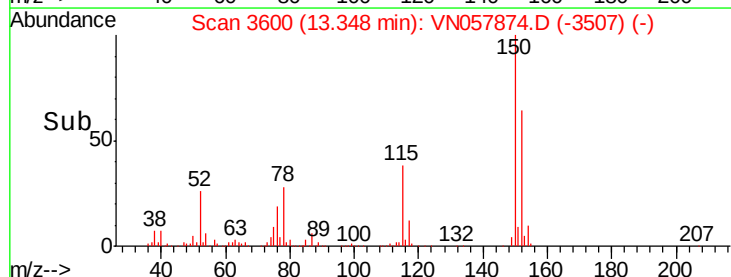
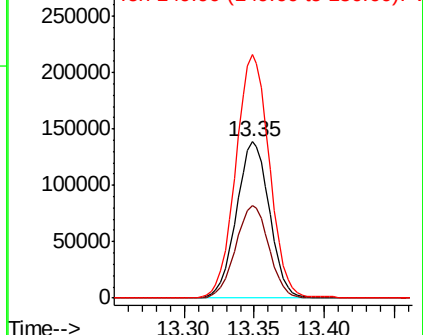
150 157.6 0.0 352.4

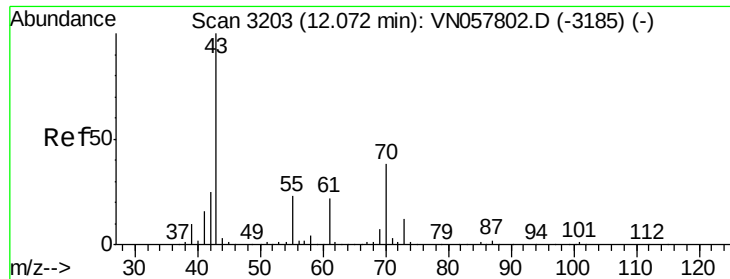


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.374 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057874.D

Acq: 10 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

PAR-11-D2-(0)

Tgt Ion: 43 Resp: 2885

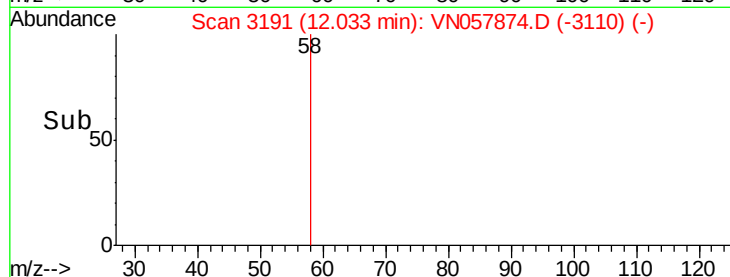
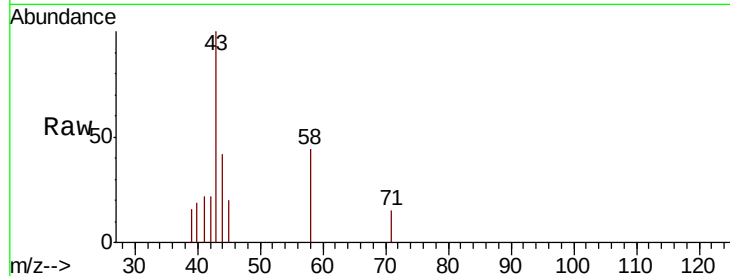
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 0.0 18.6 27.8#

61 0.0 17.4 26.2#

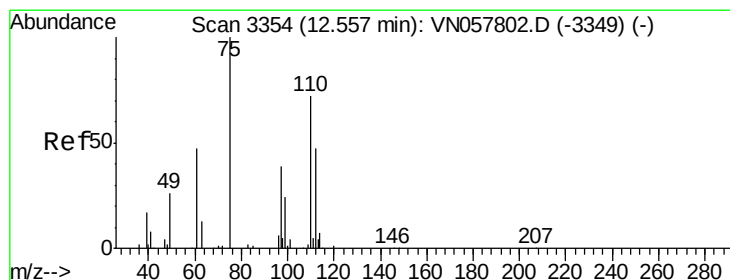
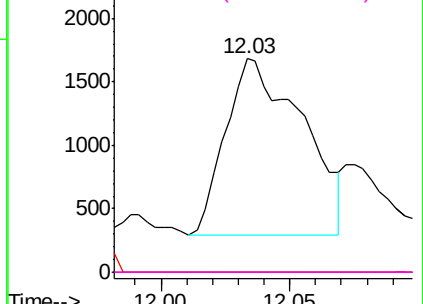


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 30.557 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057874.D

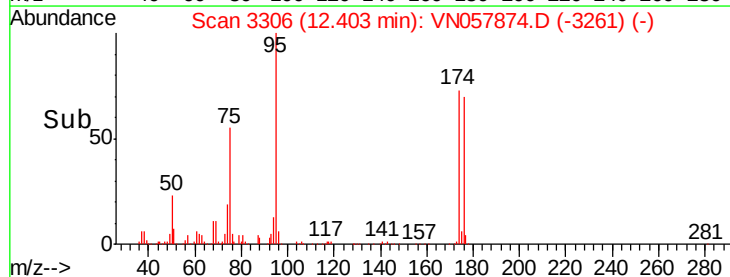
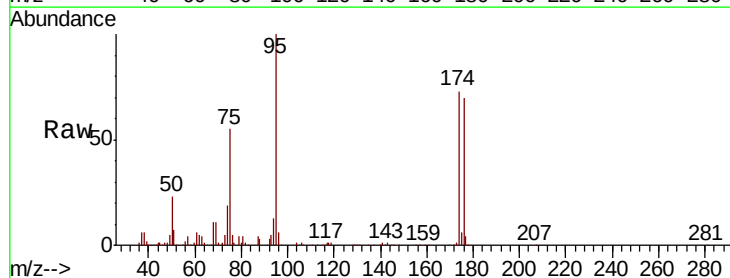
Acq: 10 Sep 2019 19:36

Tgt Ion: 75 Resp: 157946

Ion Ratio Lower Upper

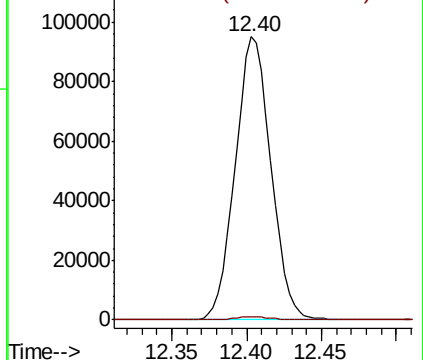
75 100

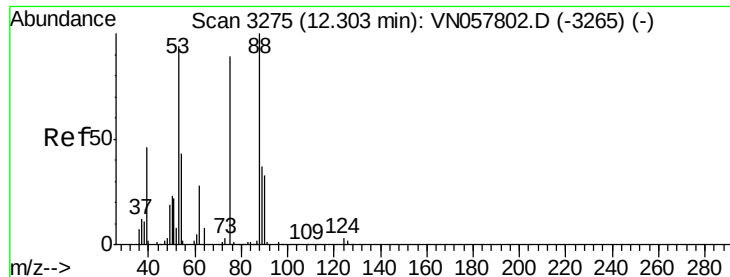
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

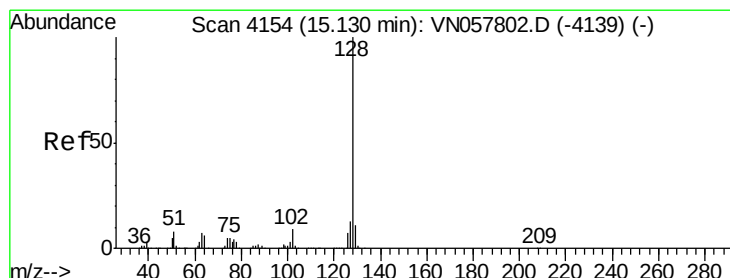
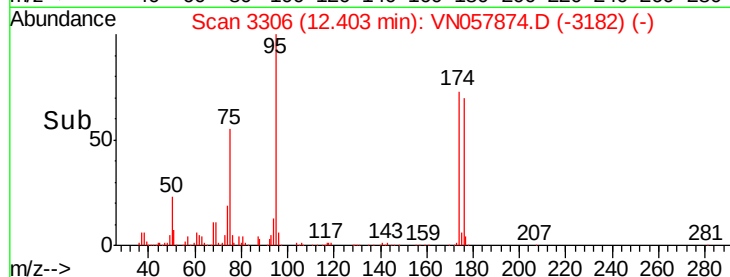
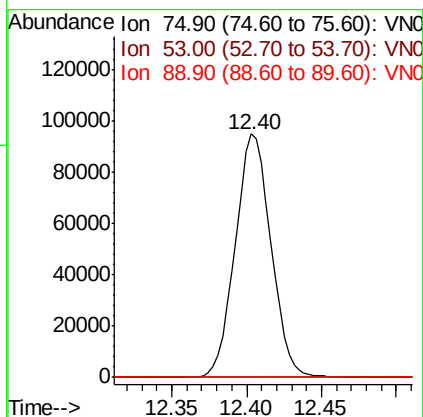
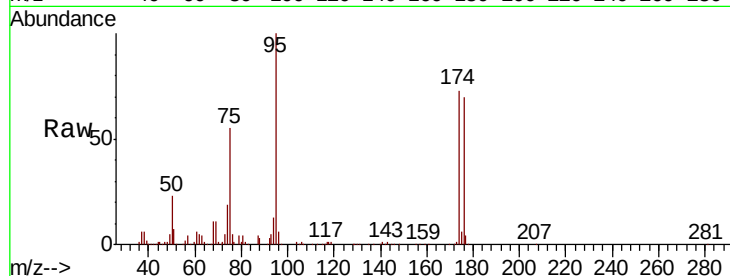




#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.531 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057874.D
 Acq: 10 Sep 2019 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D2-(0)

Tgt Ion: 75 Resp: 157946
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.4 132.6#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN057874.D
 Acq: 10 Sep 2019 19:36

Tgt Ion: 128 Resp: 796
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 12.8#

