

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057879.D
 Acq On : 10 Sep 2019 21:27
 Operator : JC/SP
 Sample : K4623-35
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(4)

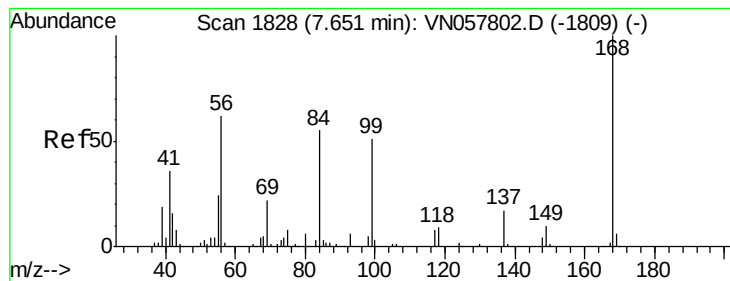
Quant Time: Sep 11 03:58:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	292435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	499801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	466873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	237991	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	333763	56.35	ug/l	0.00
Spiked Amount			Recovery	=	112.70%	
35) Dibromofluoromethane	7.58	113	225614	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.09	98	929359	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	299844	43.93	ug/l	0.00
Spiked Amount			Recovery	=	87.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	30	Below Cal	#	79
16) Acetone	3.81	43	15108	7.781	ug/l	92
18) Methyl Acetate	4.32	43	8371	1.617	ug/l #	64
20) Methylene Chloride	4.53	84	6296	0.484	ug/l #	78
31) Cyclohexane	7.65	56	7474	Below Cal	#	19
36) 1,1-Dichloropropene	7.65	75	26189	4.518	ug/l #	51
38) Carbon Tetrachloride	7.65	117	30618	5.786	ug/l #	15
43) Isopropyl Acetate	8.16	43	63391	6.294	ug/l #	91
45) 1,2-Dichloropropane	9.27	63	1256	0.247	ug/l #	44
48) Methyl methacrylate	9.18	41	4941	0.967	ug/l #	13
51) 4-Methyl-2-Pentanone	9.98	43	4606	0.773	ug/l #	75
54) cis-1,3-Dichloropropene	9.90	75	30319	4.256	ug/l #	66
56) Ethyl methacrylate	10.54	69	1811	0.258	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	4284	0.534	ug/l #	43
59) 2-Hexanone	10.76	43	69703	15.604	ug/l #	54
71) Bromoform	12.40	173	926	0.350	ug/l #	30
74) N-amyl acetate	12.03	43	2332	0.290	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	165999	30.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	165999	108.503	ug/l #	6
95) Naphthalene	15.13	128	517	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: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampled :

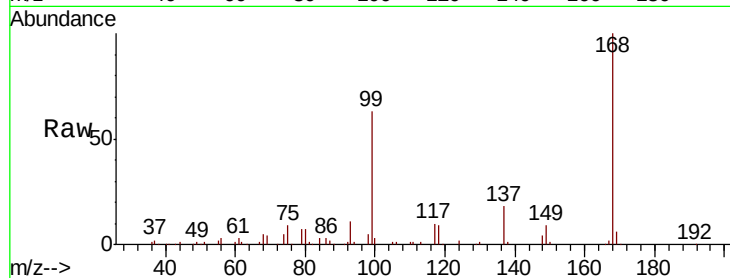
PAR-11-D3-(4)

Tgt Ion: 168 Resp: 292435

Ion Ratio Lower Upper

168 100

99 62.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

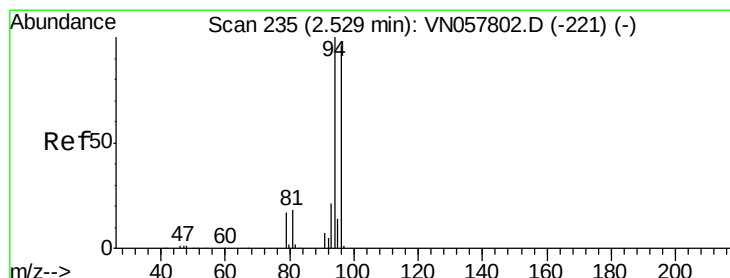
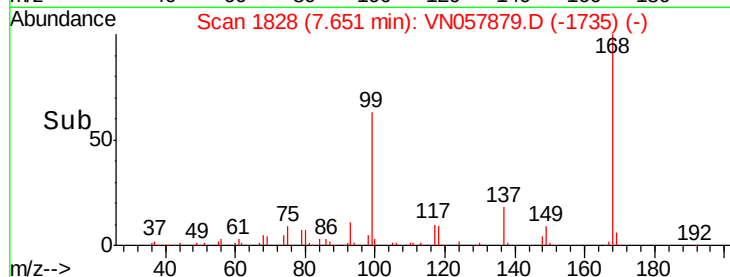
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057879.D

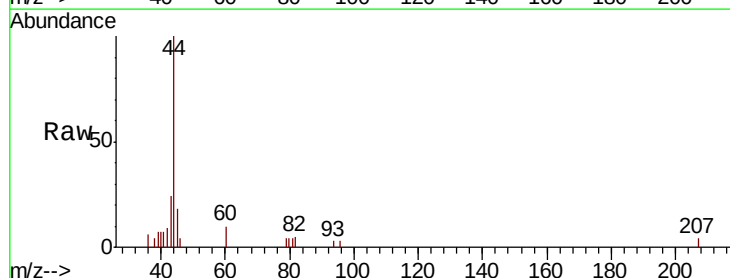
Acq: 10 Sep 2019 21:27

Tgt Ion: 94 Resp: 30

Ion Ratio Lower Upper

94 100

96 116.6 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

250

200

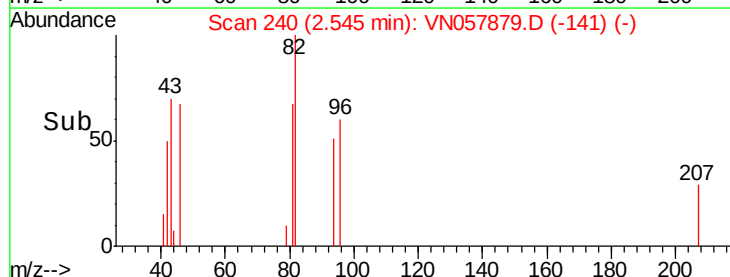
150

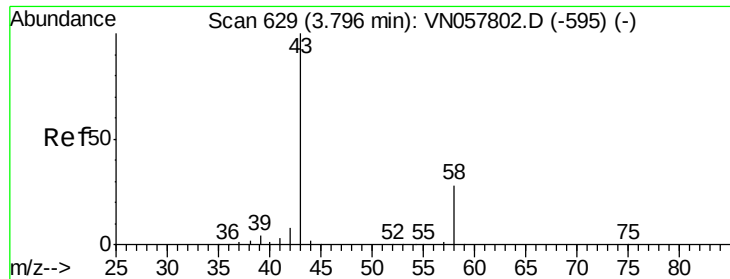
100

50

0

Time-->





#16

Acetone

Concen: 7.781 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampleId :

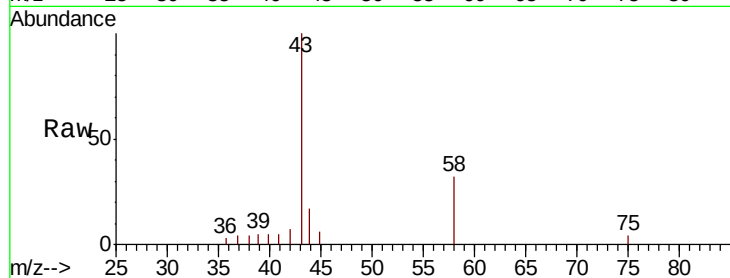
PAR-11-D3-(4)

Tgt Ion: 43 Resp: 15108

Ion Ratio Lower Upper

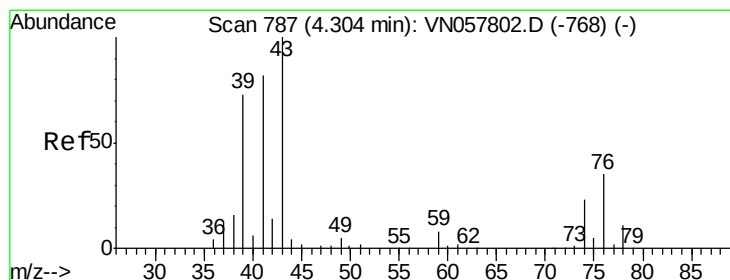
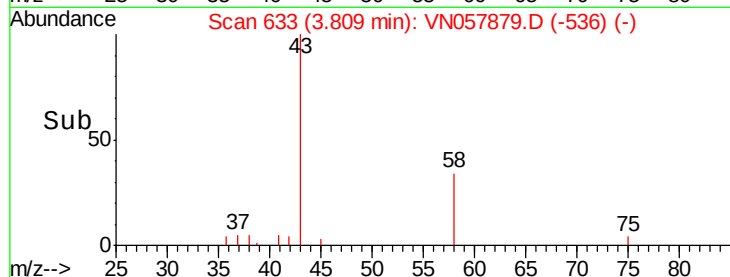
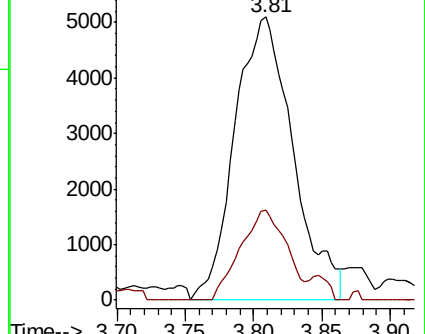
43 100

58 31.8 22.2 33.2



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

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



#18

Methyl Acetate

Concen: 1.617 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.02 min

Lab File: VN057879.D

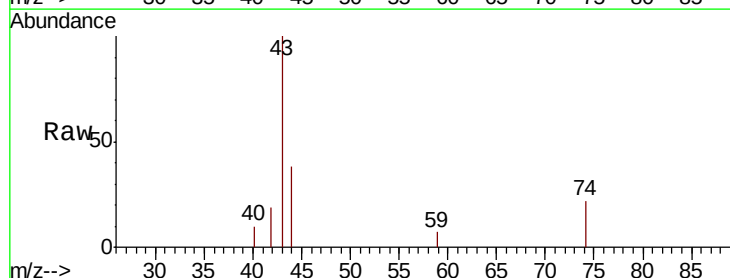
Acq: 10 Sep 2019 21:27

Tgt Ion: 43 Resp: 8371

Ion Ratio Lower Upper

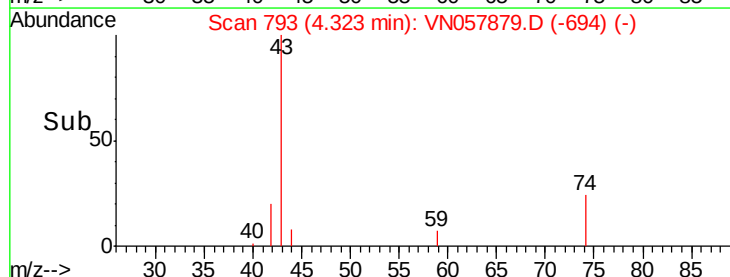
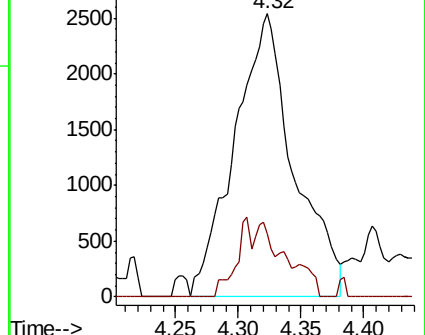
43 100

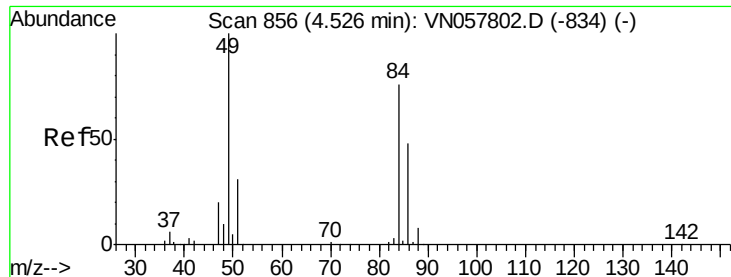
74 5.3 17.9 26.9#



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

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

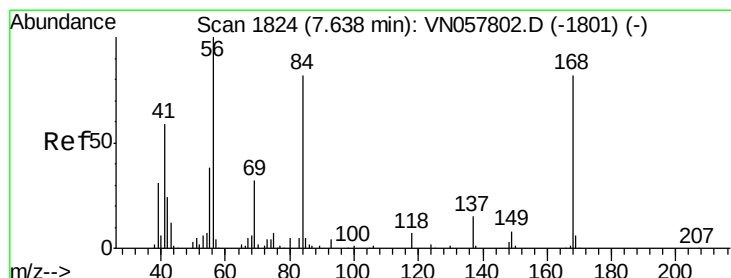
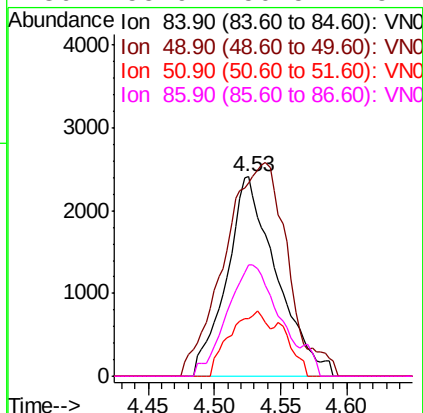
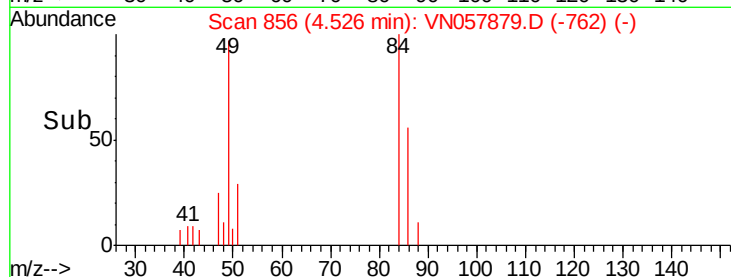
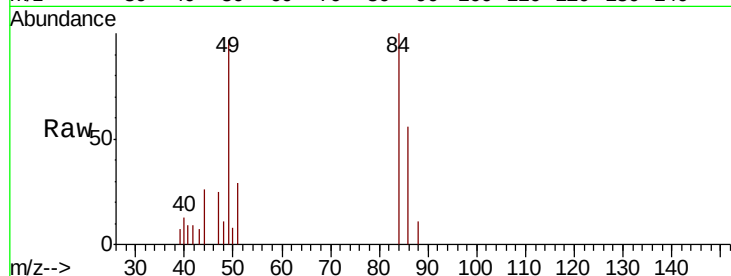




#20
Methylene Chloride
Concen: 0.484 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057879.D
Acq: 10 Sep 2019 21:27

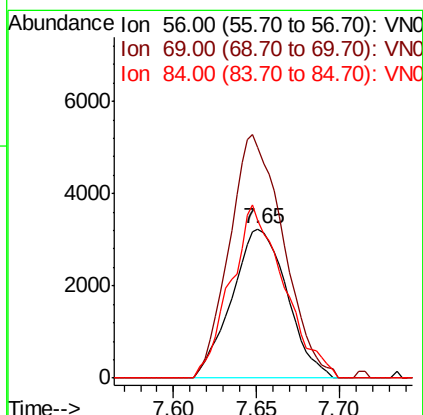
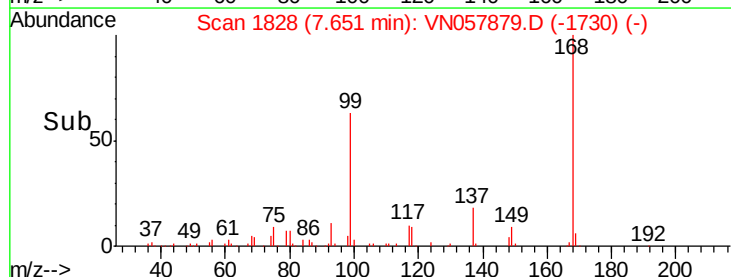
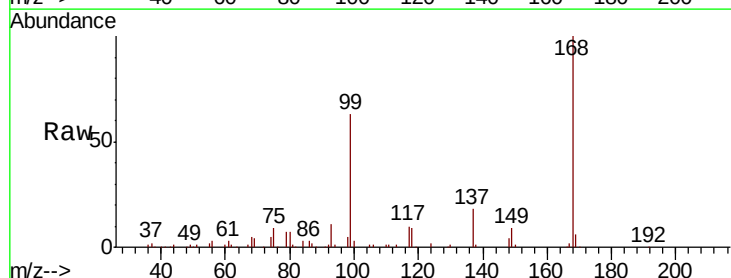
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-D3-(4)

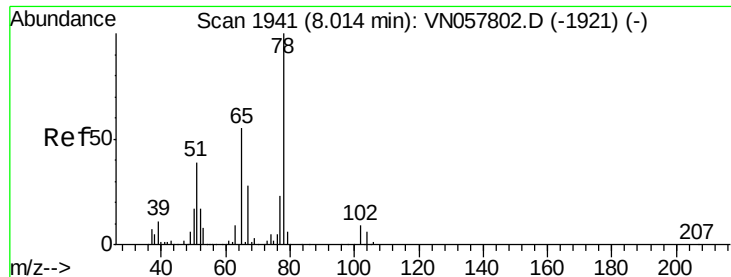
Tgt Ion:	84	Resp:	6296
Ion	Ratio	Lower	Upper
84	100		
49	97.1	104.8	157.2#
51	28.8	33.0	49.4#
86	55.9	50.5	75.7



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057879.D
Acq: 10 Sep 2019 21:27

Tgt Ion:	56	Resp:	7474
Ion	Ratio	Lower	Upper
56	100		
69	154.5	25.9	38.9#
84	105.9	65.6	98.4#

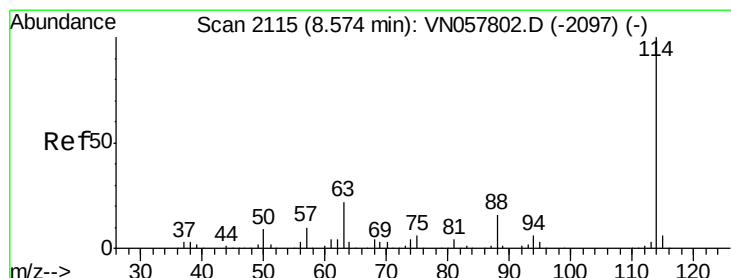
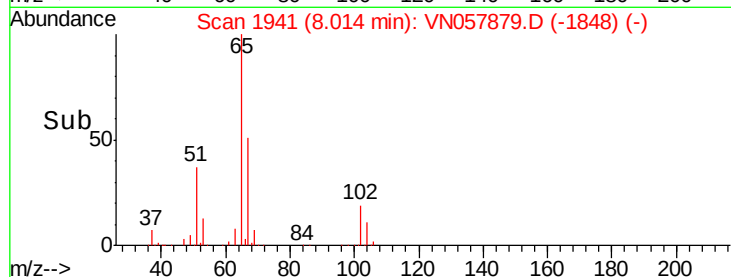
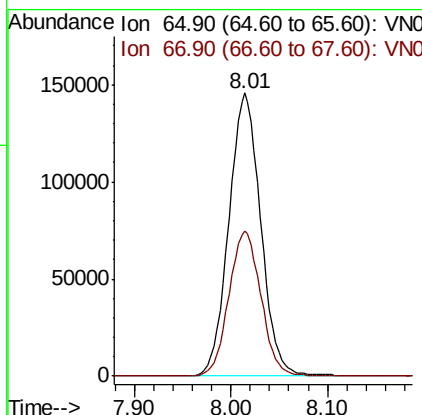
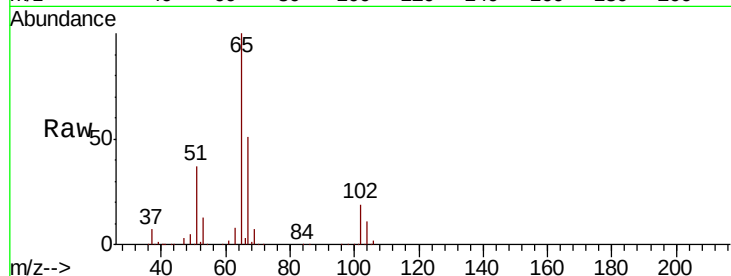




#33
 1,2-Dichloroethane-d4
 Concen: 56.350 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

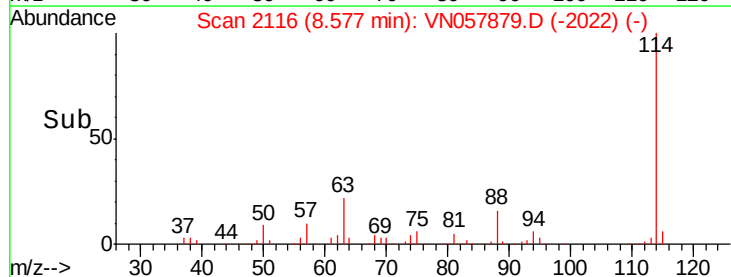
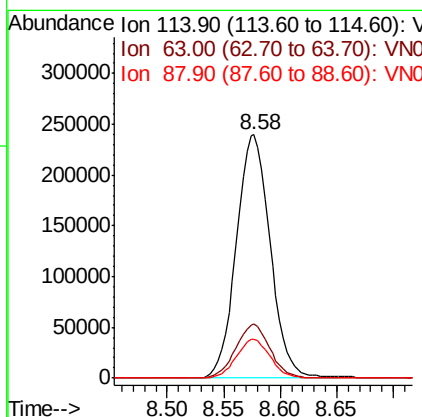
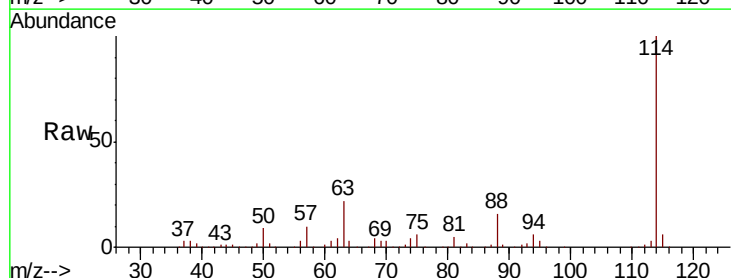
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(4)

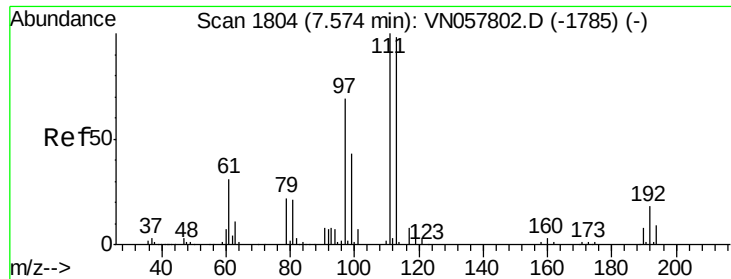
Tgt Ion: 65 Resp: 333763
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

Tgt Ion: 114 Resp: 499801
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 16.2 0.0 31.4

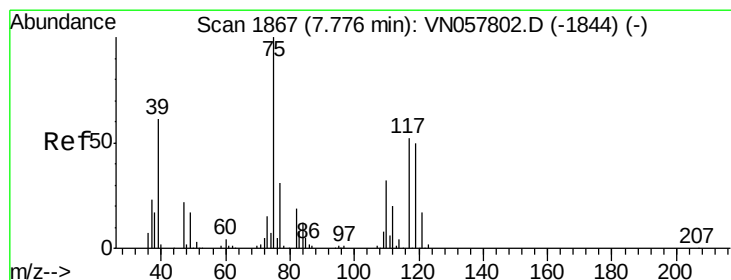
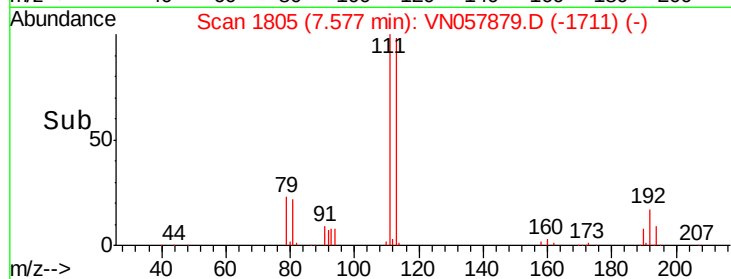
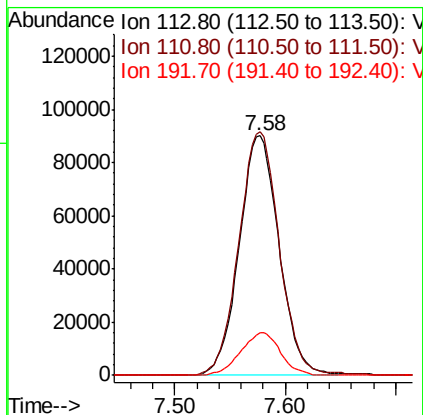
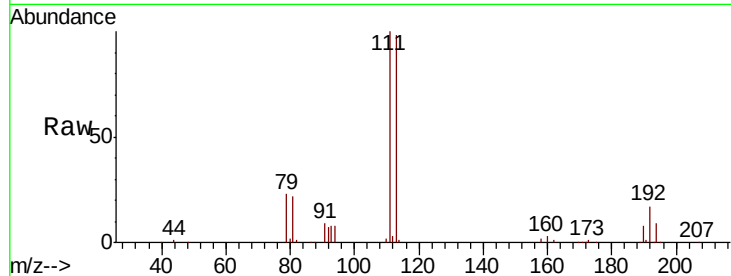




#35
 Dibromofluoromethane
 Concen: 48.909 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

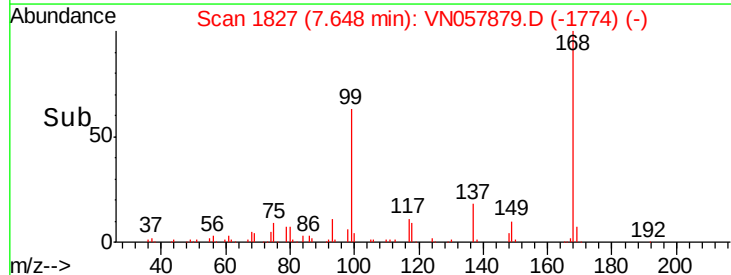
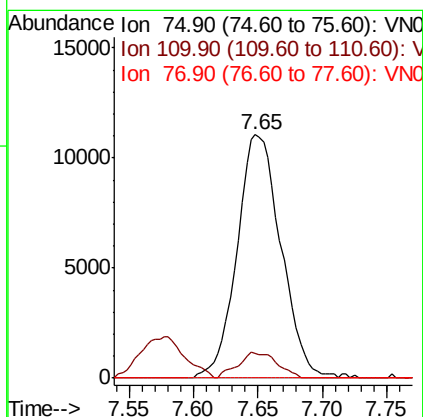
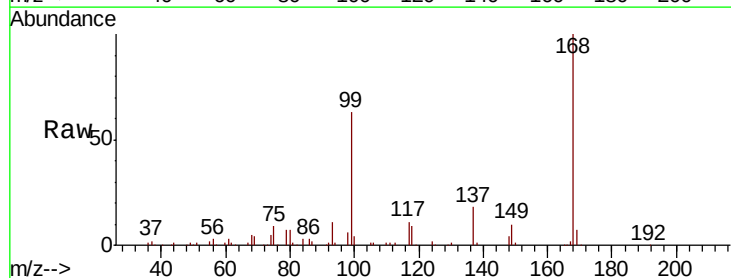
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(4)

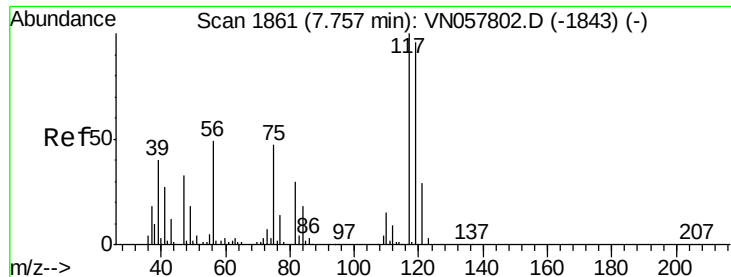
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.3	121.9
192	17.8	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.518 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.786 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D3-(4)

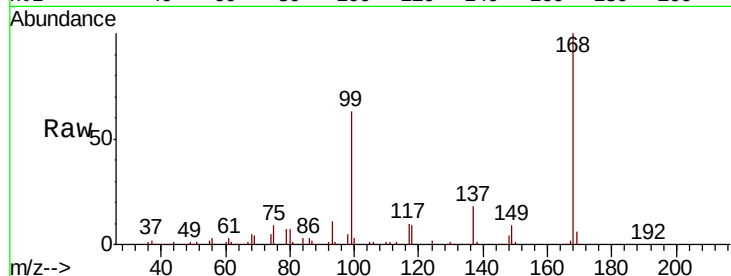
Tgt Ion:117 Resp: 30618

Ion Ratio Lower Upper

117 100

119 4.3 76.9 115.3#

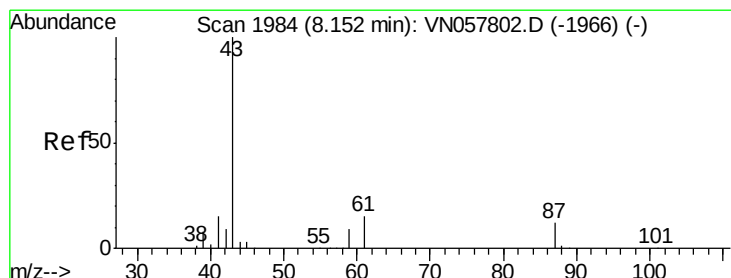
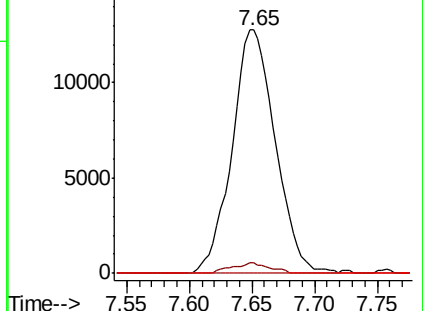
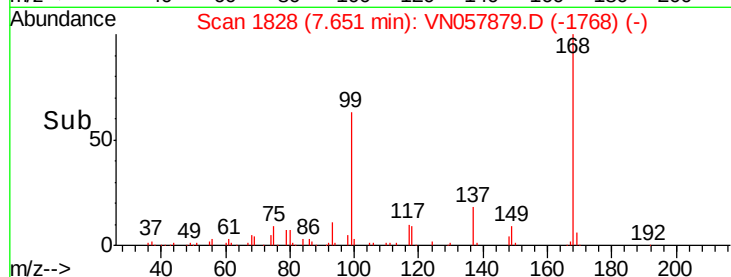
121 0.0 23.4 35.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 6.294 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

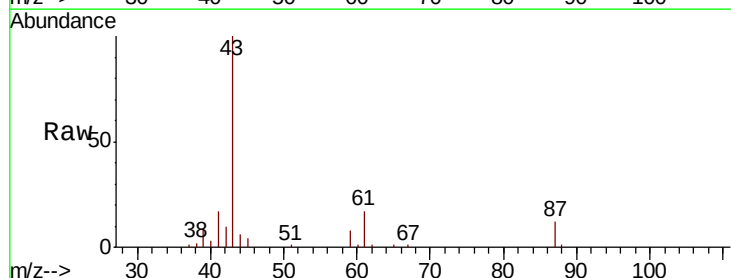
Tgt Ion: 43 Resp: 63391

Ion Ratio Lower Upper

43 100

61 18.7 20.1 30.1#

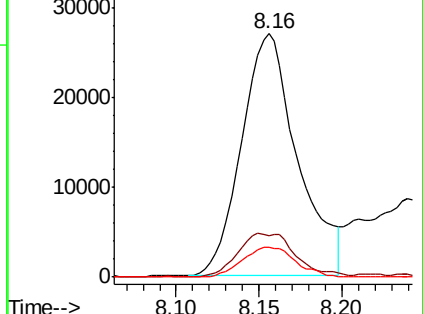
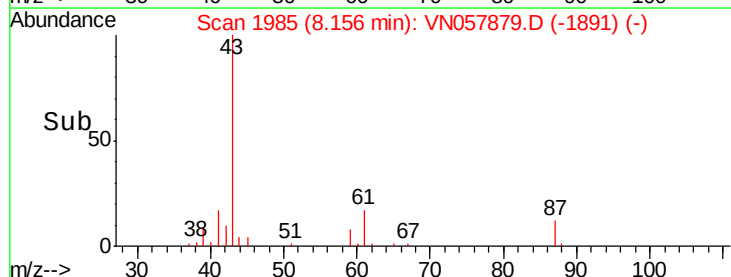
87 11.6 9.5 14.3

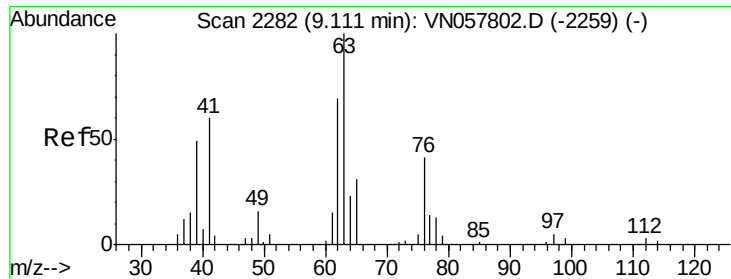


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

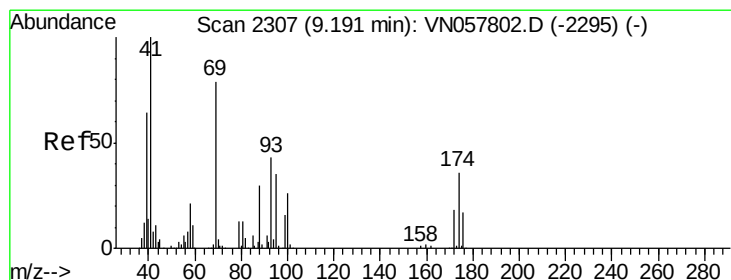
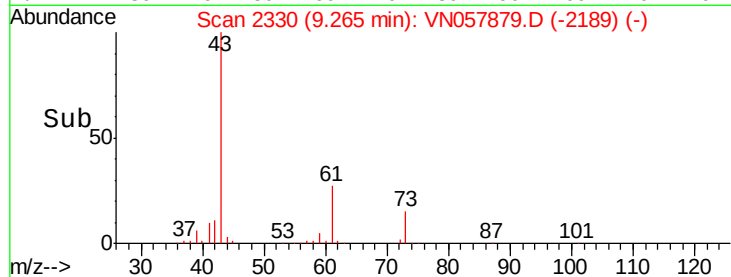
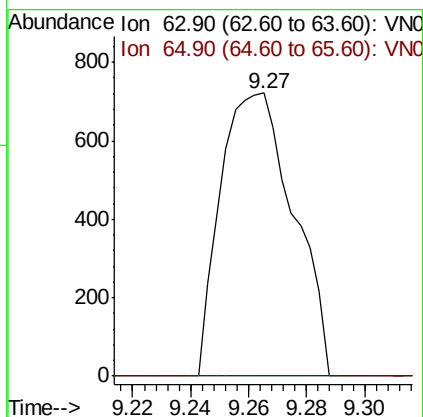
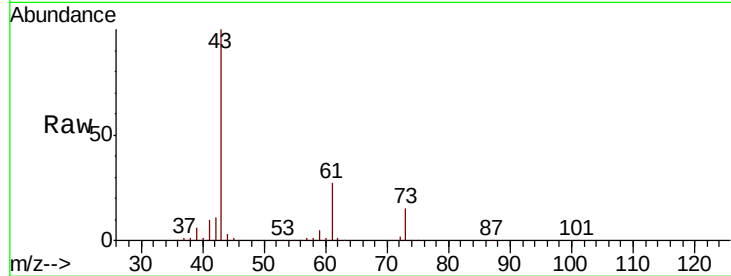




#45
 1,2-Dichloropropane
 Concen: 0.247 ug/l
 RT: 9.27 min Scan# 2330
 Delta R.T. 0.15 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

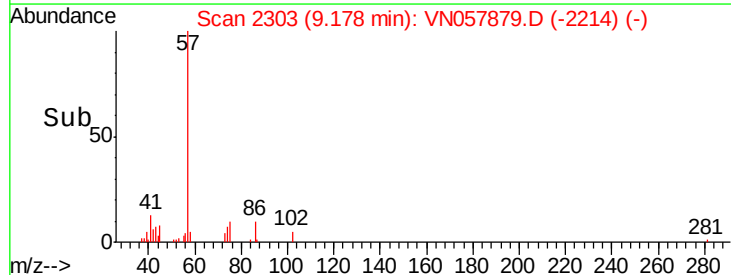
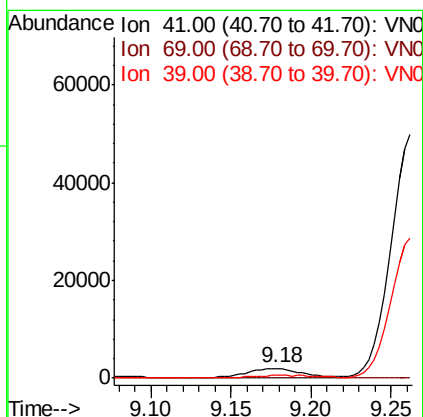
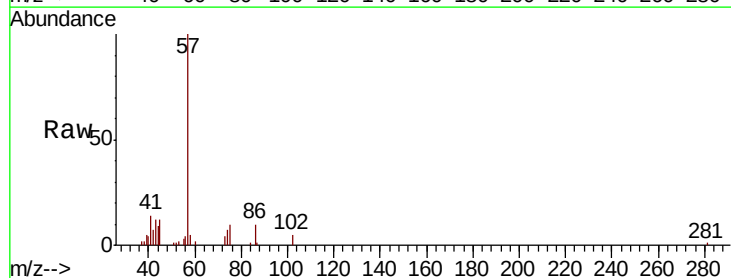
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(4)

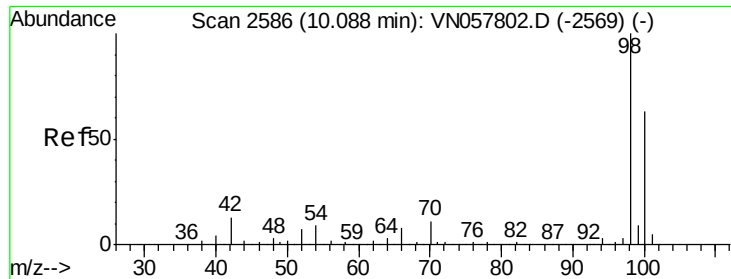
Tgt Ion: 63 Resp: 1256
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 0.967 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

Tgt Ion: 41 Resp: 4941
 Ion Ratio Lower Upper
 41 100
 69 0.0 62.7 94.1#
 39 0.0 52.7 79.1#





#50

Toluene-d8

Concen: 51.890 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampleId :

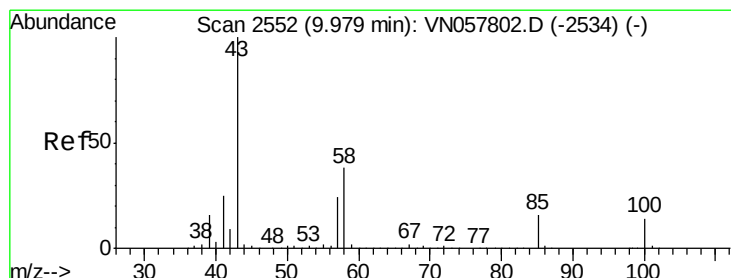
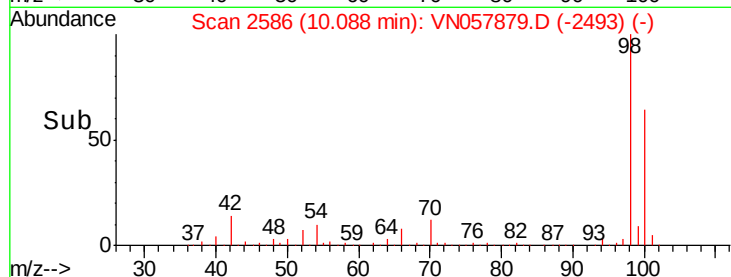
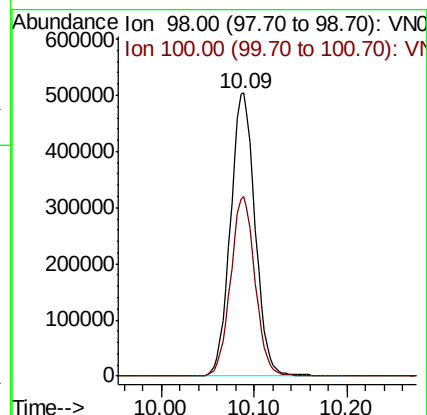
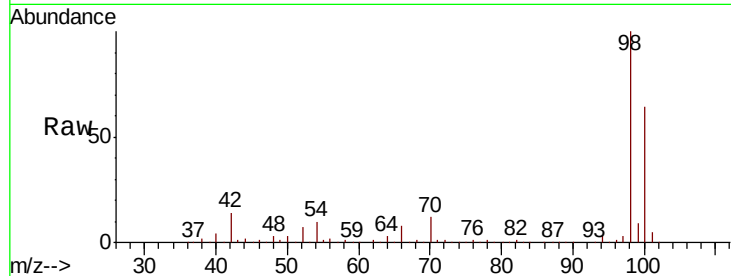
PAR-11-D3-(4)

Tgt Ion: 98 Resp: 929359

Ion Ratio Lower Upper

98 100

100 62.8 50.3 75.5



#51

4-Methyl-2-Pentanone

Concen: 0.773 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057879.D

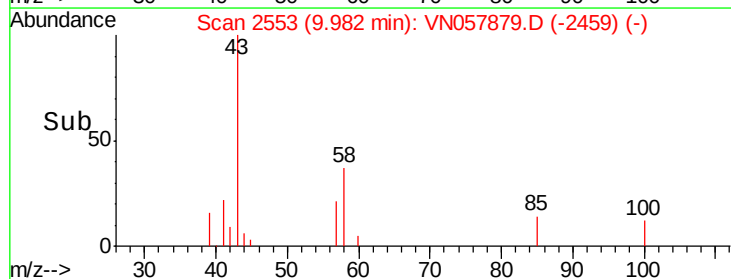
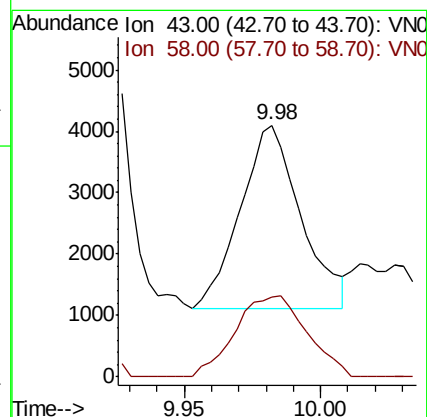
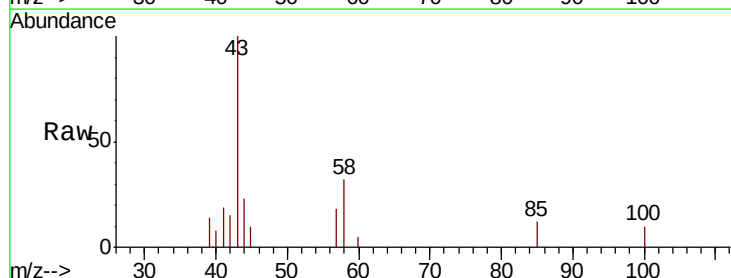
Acq: 10 Sep 2019 21:27

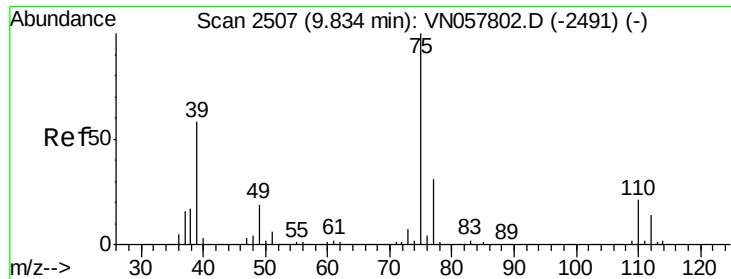
Tgt Ion: 43 Resp: 4606

Ion Ratio Lower Upper

43 100

58 52.3 29.8 44.6#





#54

cis-1,3-Dichloropropene

Concen: 4.256 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D3-(4)

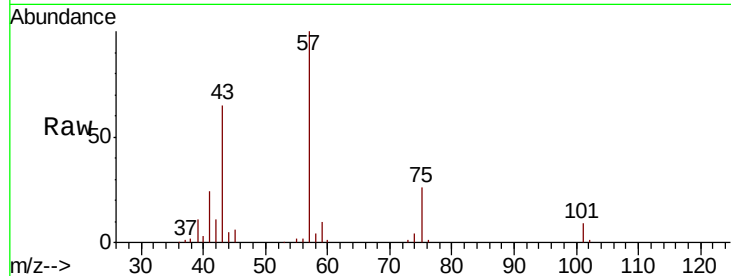
Tgt Ion: 75 Resp: 30319

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

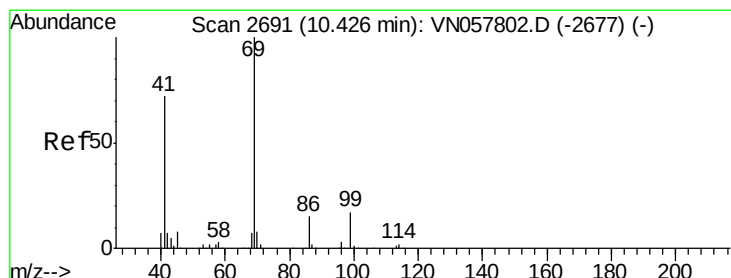
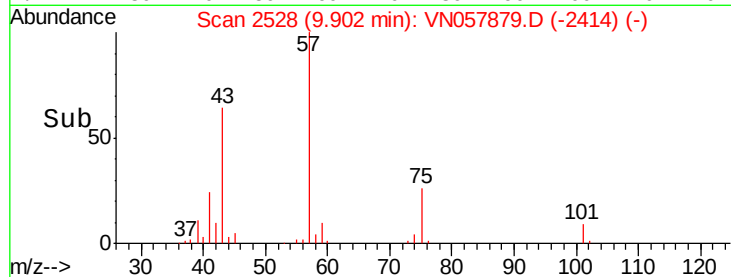
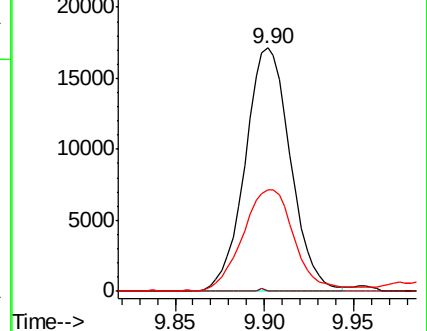
39 41.6 46.2 69.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.258 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

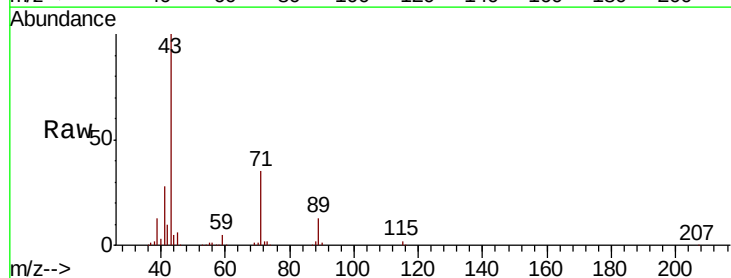
Tgt Ion: 69 Resp: 1811

Ion Ratio Lower Upper

69 100

41 4646.7 56.7 85.1#

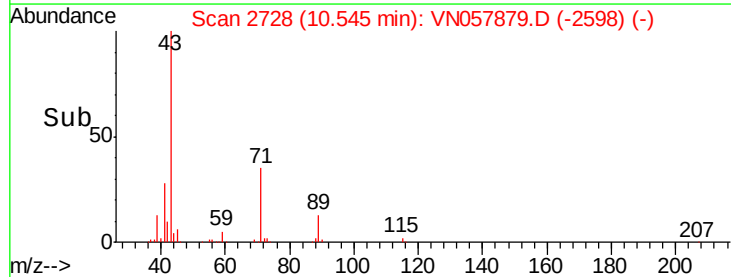
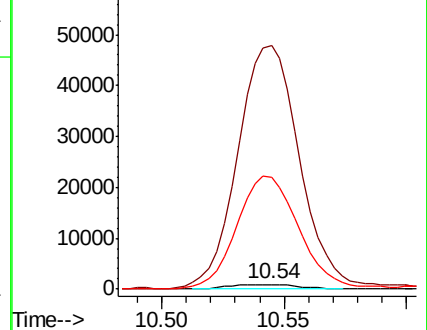
39 2180.7 36.3 54.5#

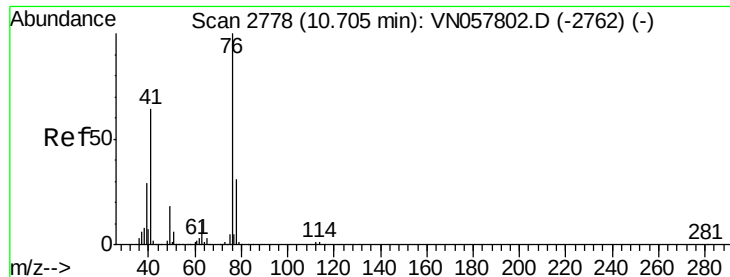


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

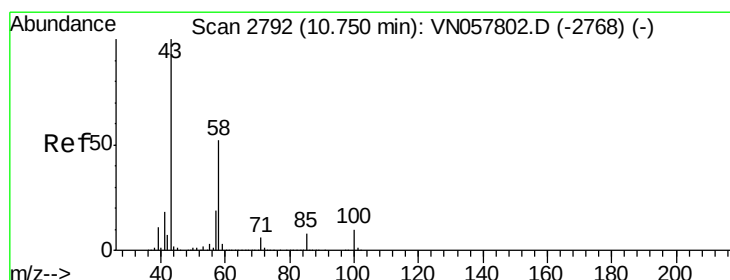
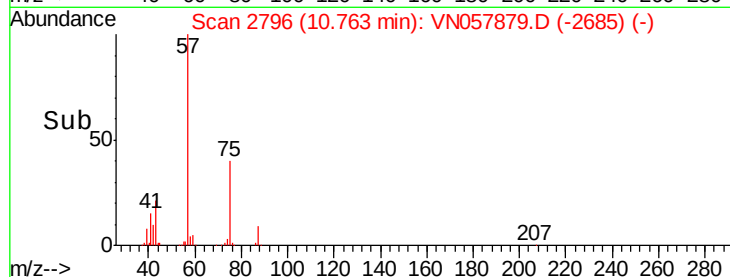
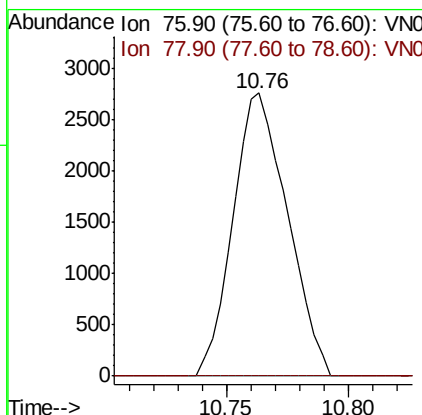
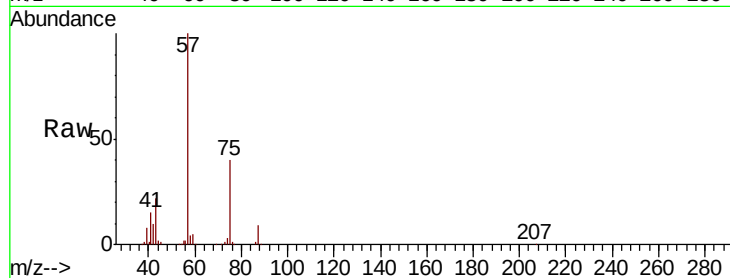




#57
 1,3-Dichloropropane
 Concen: 0.534 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

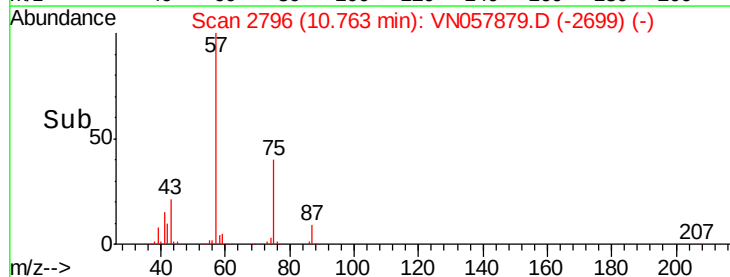
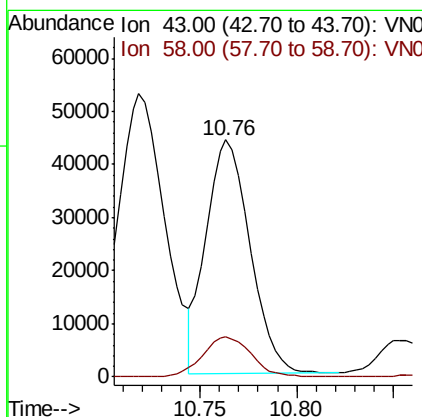
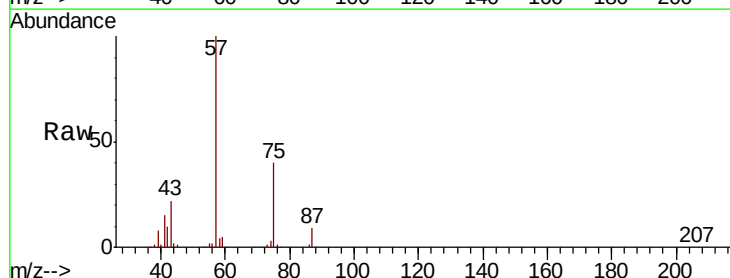
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-D3-(4)

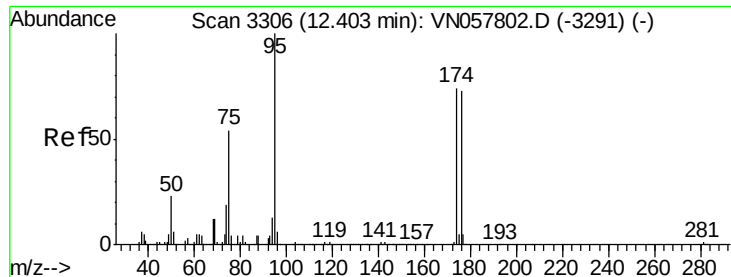
Tgt Ion: 76 Resp: 4284
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



#59
 2-Hexanone
 Concen: 15.604 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN057879.D
 Acq: 10 Sep 2019 21:27

Tgt Ion: 43 Resp: 69703
 Ion Ratio Lower Upper
 43 100
 58 19.0 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 43.931 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-D3-(4)

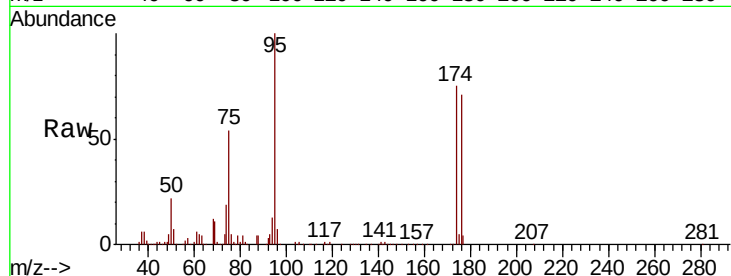
Tgt Ion: 95 Resp: 299844

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

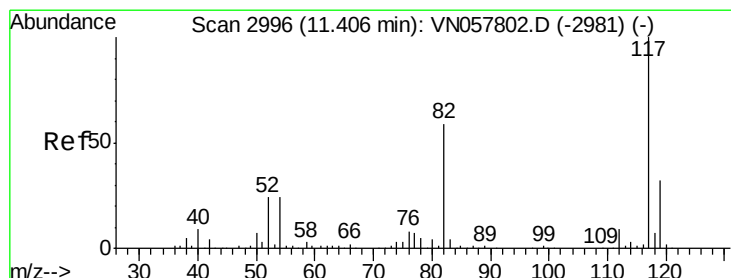
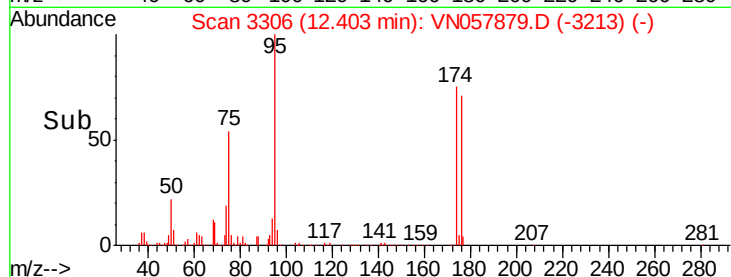
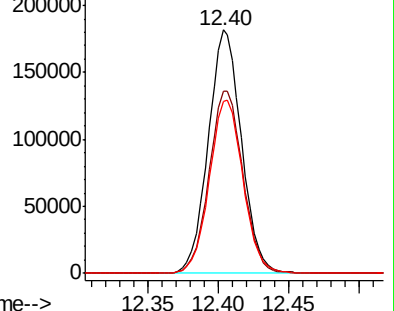
176 72.1 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

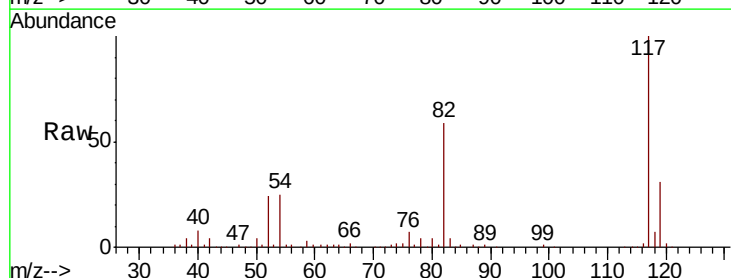
Tgt Ion: 117 Resp: 466873

Ion Ratio Lower Upper

117 100

82 58.9 47.2 70.8

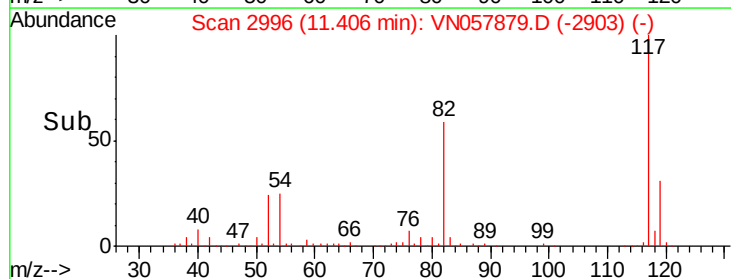
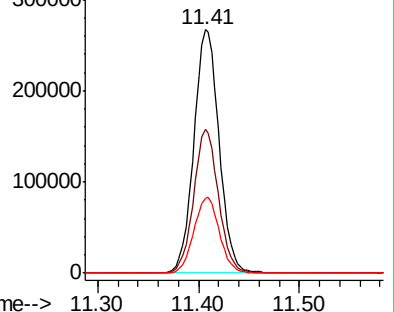
119 30.9 25.3 37.9

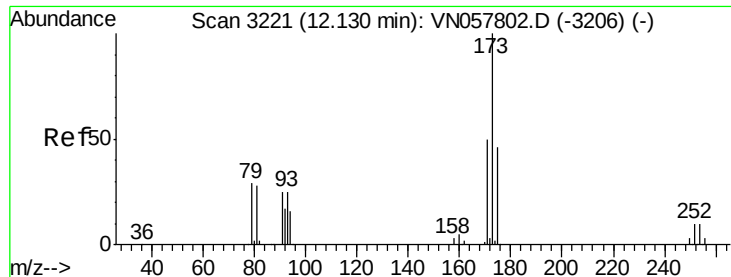


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)





#71

Bromoform

Concen: 0.350 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampled :

PAR-11-D3-(4)

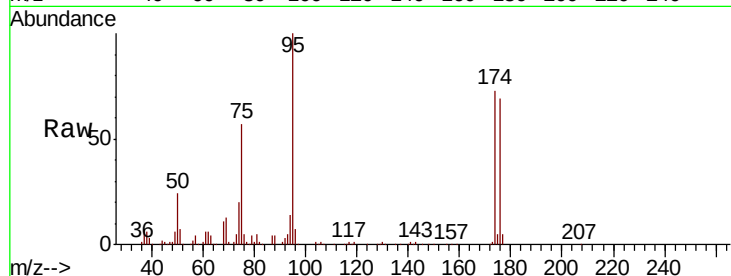
Tgt Ion:173 Resp: 926

Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

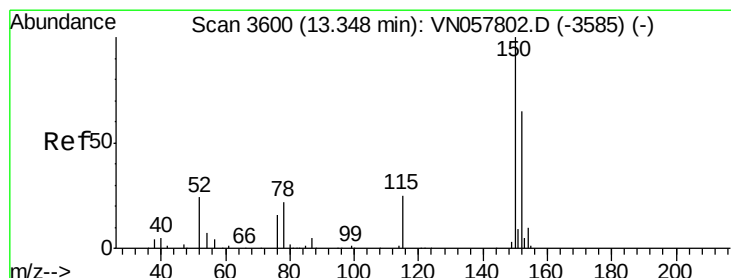
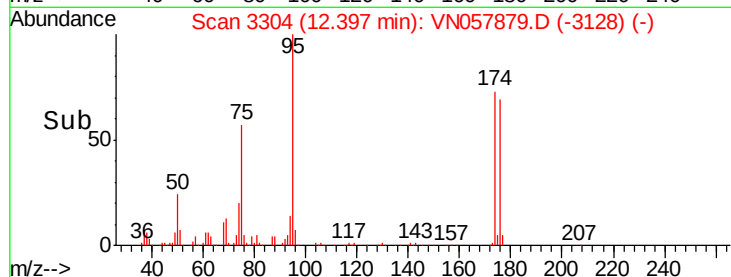
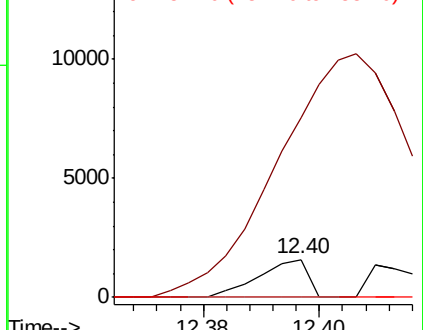
254 0.0 0.1 0.1#



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: VN057879.D

Acq: 10 Sep 2019 21:27

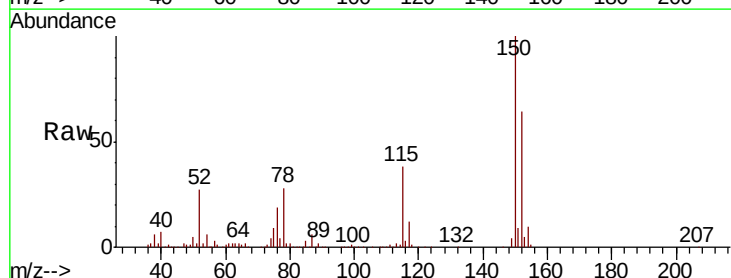
Tgt Ion:152 Resp: 237991

Ion Ratio Lower Upper

152 100

115 61.2 30.3 91.0

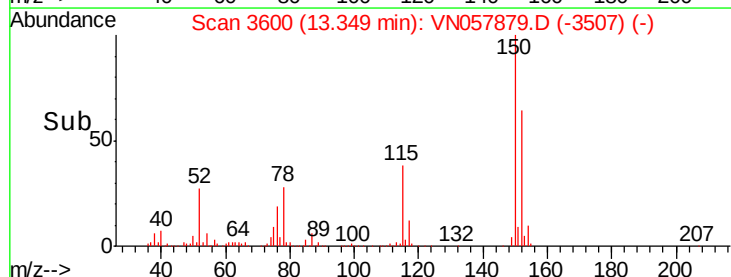
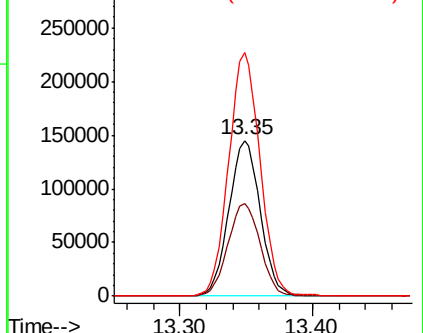
150 157.5 0.0 352.4

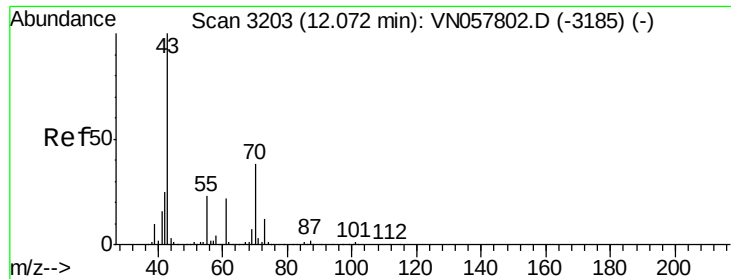


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.290 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampled :

PAR-11-D3-(4)

Tgt Ion: 43 Resp: 2332

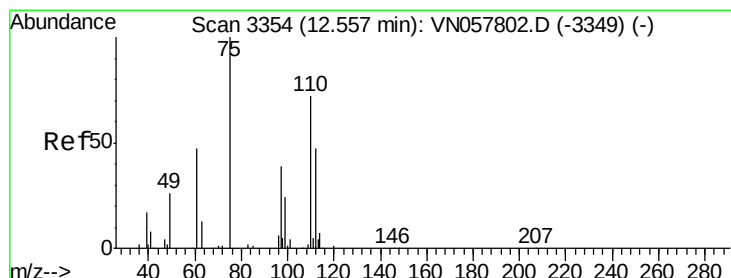
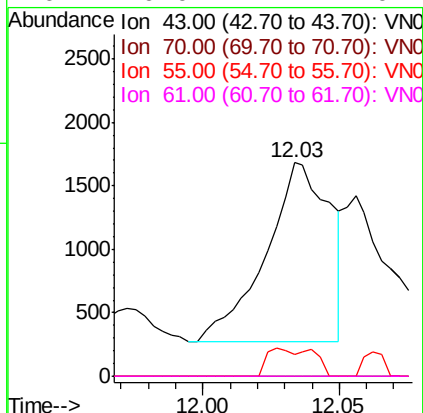
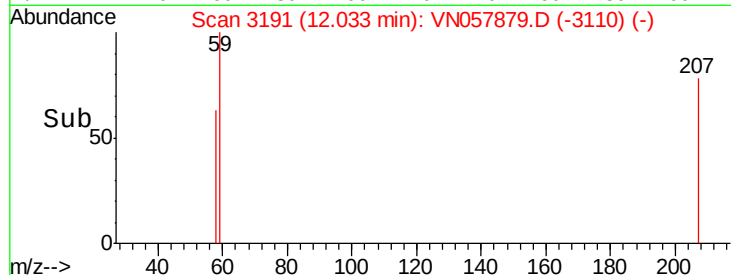
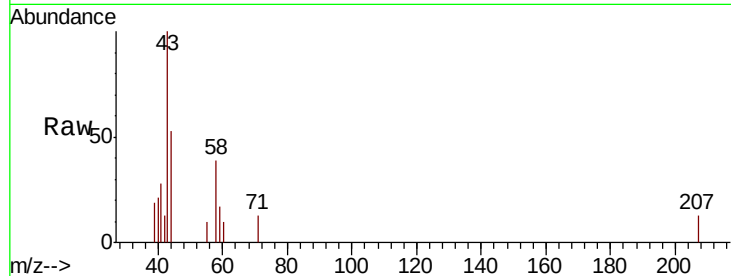
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 6.6 18.6 27.8#

61 0.0 17.4 26.2#



#76

1,2,3-Trichloropropane

Concen: 30.833 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057879.D

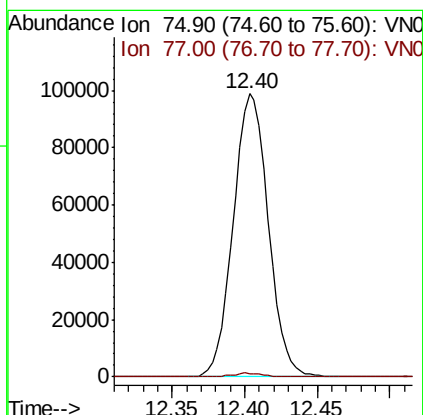
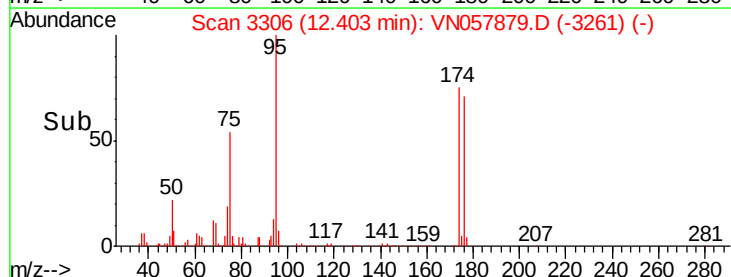
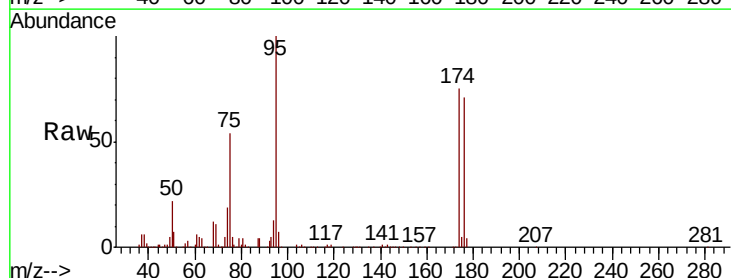
Acq: 10 Sep 2019 21:27

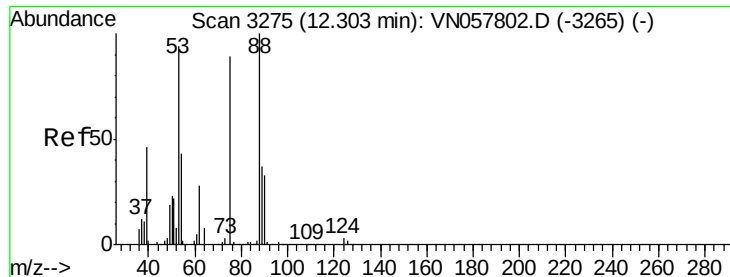
Tgt Ion: 75 Resp: 165999

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 108.503 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057879.D

Acq: 10 Sep 2019 21:27

Instrument :

MSVOA_N

ClientSampled :

PAR-11-D3-(4)

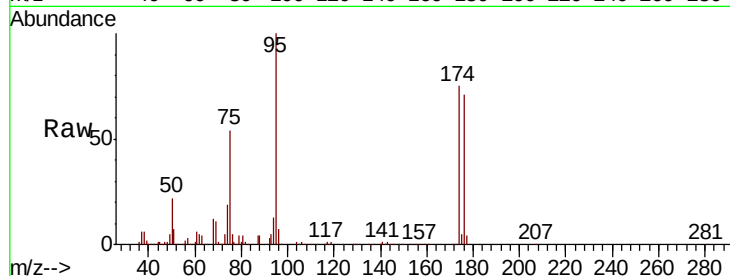
Tgt Ion: 75 Resp: 165999

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

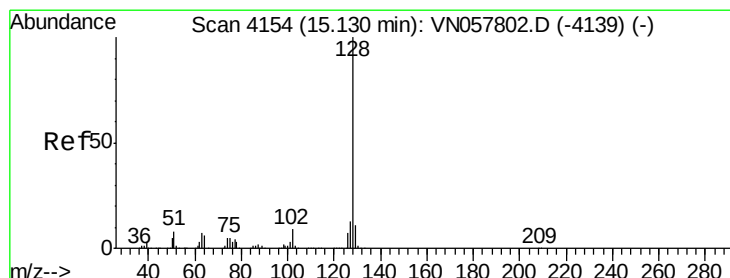
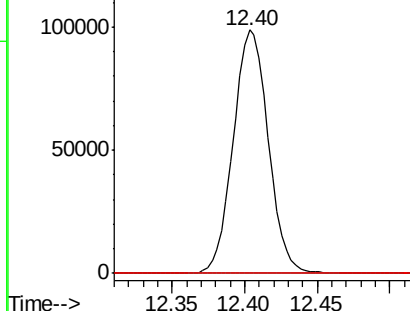
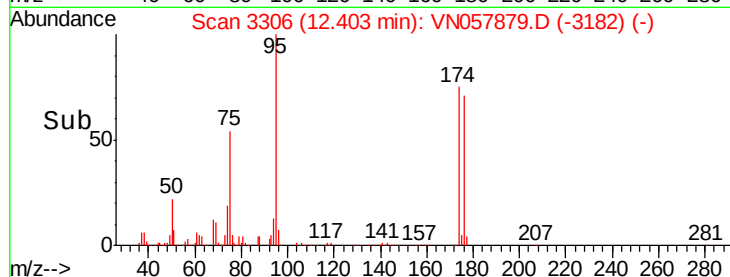
89 0.0 35.3 52.9#



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: VN057879.D

Acq: 10 Sep 2019 21:27

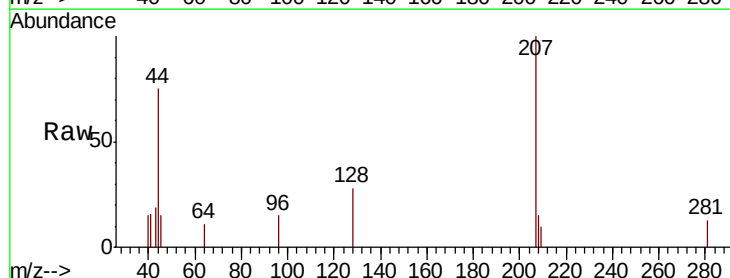
Tgt Ion: 128 Resp: 517

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

