

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057884.D
 Acq On : 10 Sep 2019 23:17
 Operator : JC/SP
 Sample : K4624-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E4-(0)

Quant Time: Sep 11 03:59:30 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	285024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	498234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	462950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	236864	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	335190	58.06	ug/l	0.00
Spiked Amount						
			Recovery	=	116.12%	
35) Dibromofluoromethane	7.57	113	220293	47.91	ug/l	0.00
Spiked Amount						
			Recovery	=	95.82%	
50) Toluene-d8	10.09	98	927542	51.95	ug/l	0.00
Spiked Amount						
			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.41	95	300397	44.15	ug/l	0.00
Spiked Amount						
			Recovery	=	88.30%	

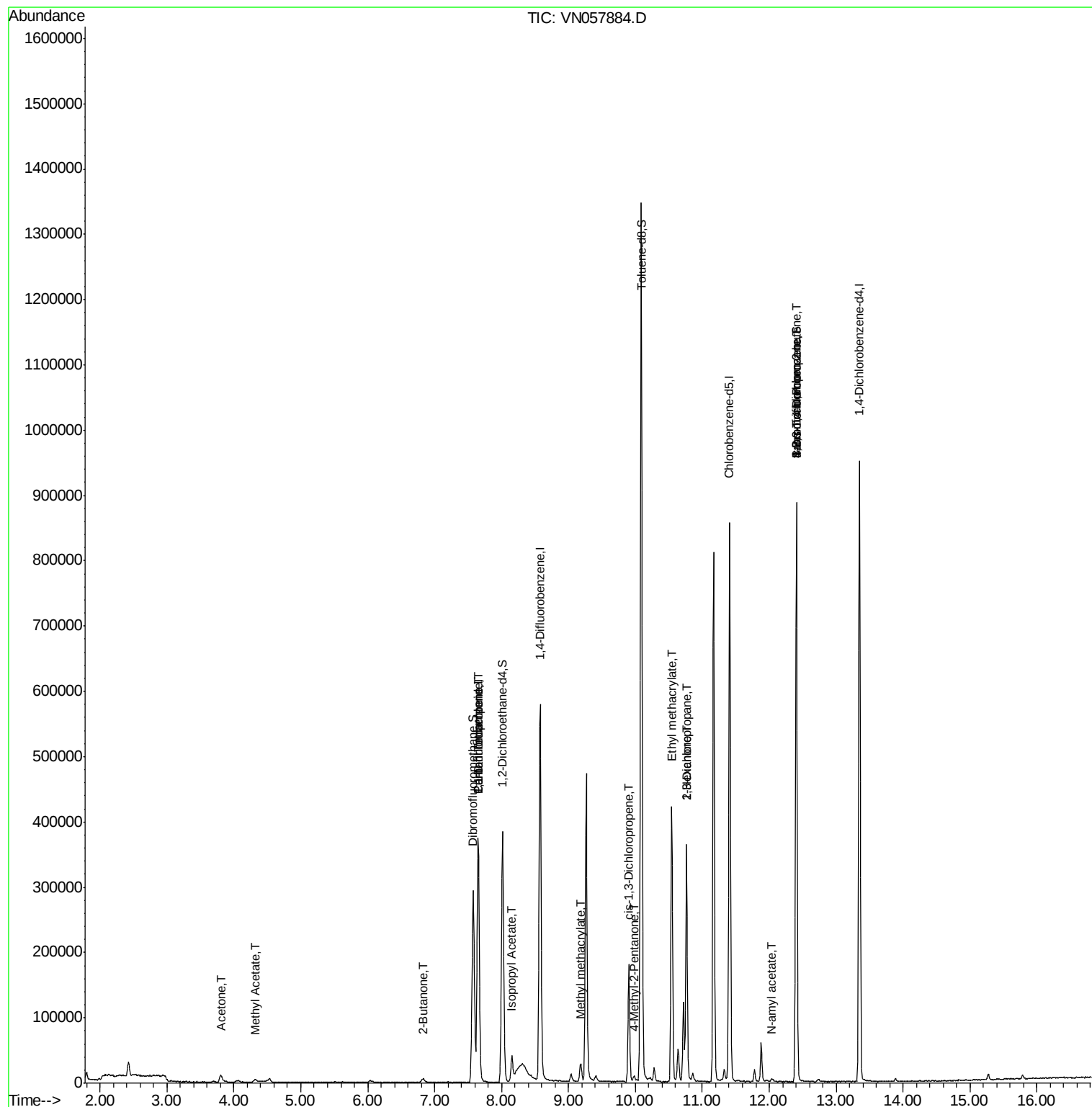
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	60	Below Cal	#	2
16) Acetone	3.81	43	19043	10.062	ug/l	99
18) Methyl Acetate	4.31	43	5870	1.163	ug/l #	80
20) Methylene Chloride	4.53	84	4430	Below Cal	#	82
25) 2-Butanone	6.83	43	6443	2.352	ug/l #	83
31) Cyclohexane	7.65	56	7714	Below Cal	#	17
36) 1,1-Dichloropropene	7.65	75	24812	4.294	ug/l #	49
38) Carbon Tetrachloride	7.65	117	30798	5.838	ug/l #	17
43) Isopropyl Acetate	8.16	43	49203	4.901	ug/l #	90
48) Methyl methacrylate	9.17	41	5227	1.026	ug/l #	13
51) 4-Methyl-2-Pentanone	9.99	43	4304	0.724	ug/l #	72
54) cis-1,3-Dichloropropene	9.90	75	29617	4.170	ug/l #	71
56) Ethyl methacrylate	10.54	69	1485	0.212	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3385	0.423	ug/l #	43
59) 2-Hexanone	10.76	43	56008	12.577	ug/l #	57
71) Bromoform	12.41	173	586	0.224	ug/l #	1
74) N-amyl acetate	12.03	43	2016	0.252	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	163598	30.532	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	163598	107.442	ug/l #	6
95) Naphthalene	15.13	128	61	Below Cal	#	69

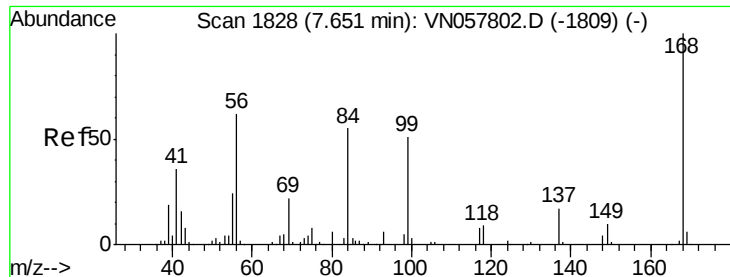
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

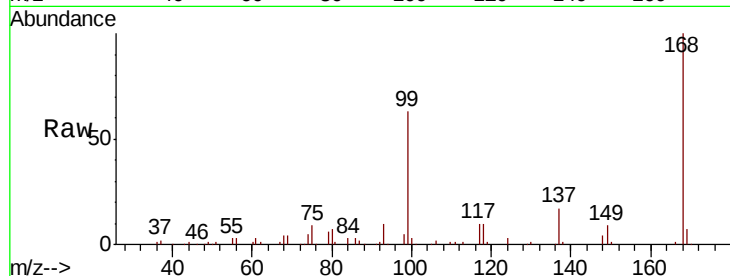
PAR-11-E4-(0)

Tgt Ion:168 Resp: 285024

Ion Ratio Lower Upper

168 100

99 62.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

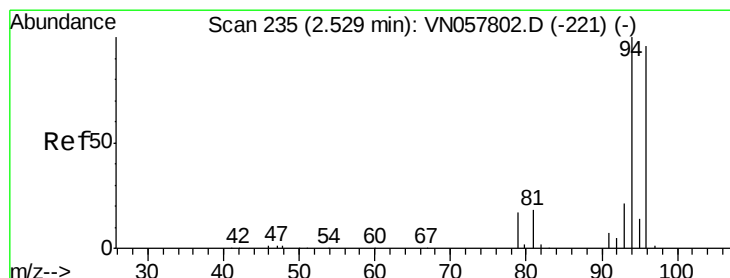
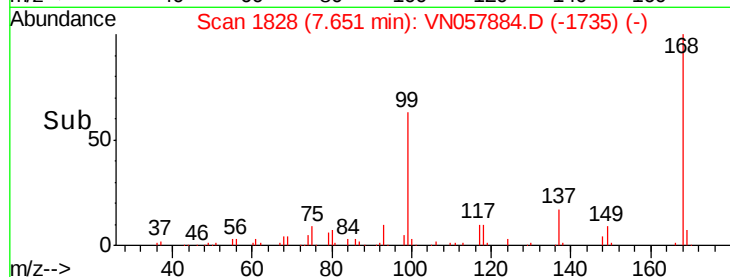
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057884.D

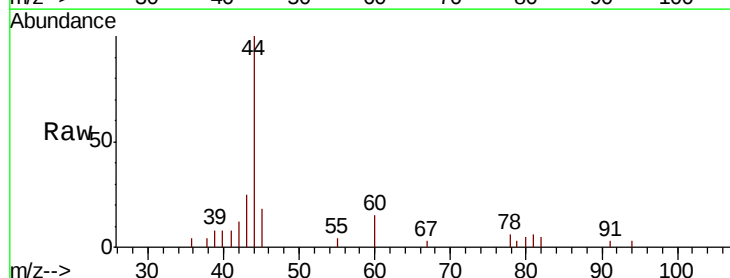
Acq: 10 Sep 2019 23:17

Tgt Ion: 94 Resp: 60

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.53

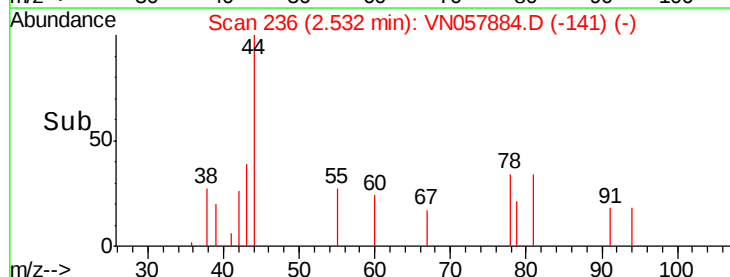
150

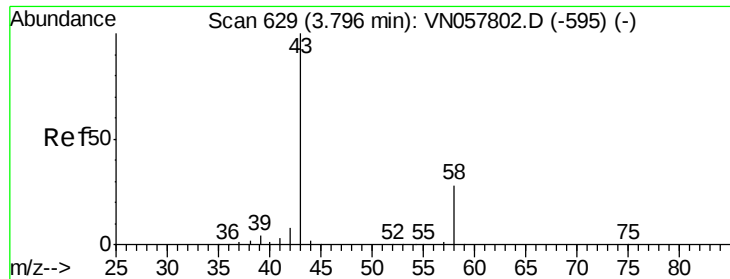
100

50

0

Time-->





#16

Acetone

Concen: 10.062 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

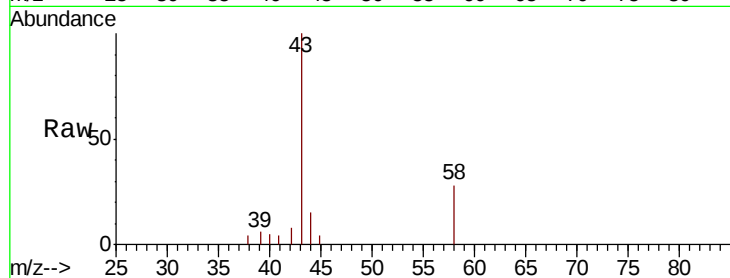
PAR-11-E4-(0)

Tgt Ion: 43 Resp: 19043

Ion Ratio Lower Upper

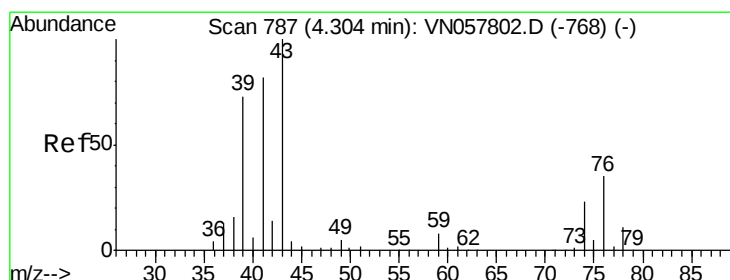
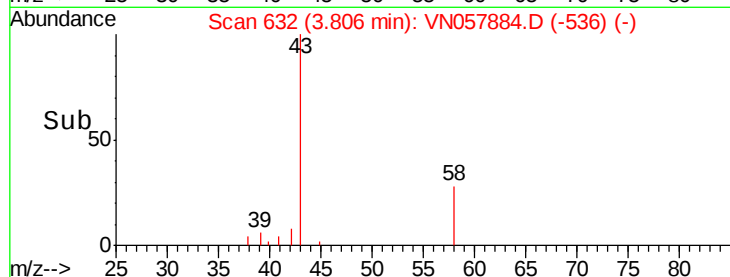
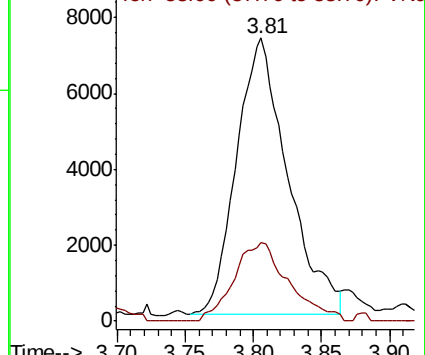
43 100

58 28.4 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: 1.163 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN057884.D

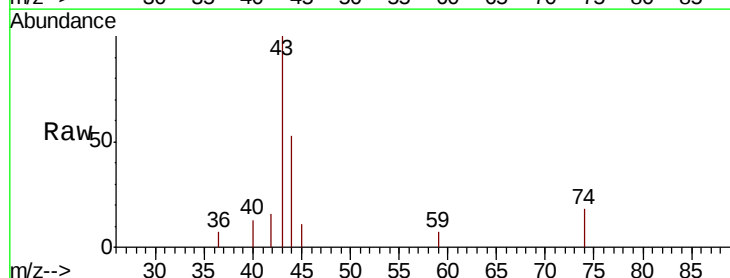
Acq: 10 Sep 2019 23:17

Tgt Ion: 43 Resp: 5870

Ion Ratio Lower Upper

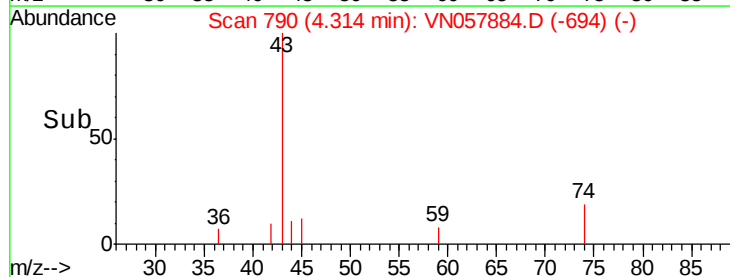
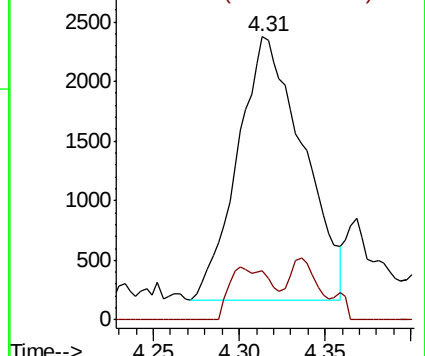
43 100

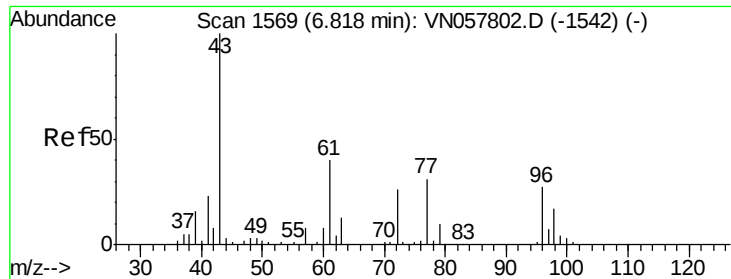
74 12.7 17.9 26.9#



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

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





#25

2-Butanone

Concen: 2.352 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

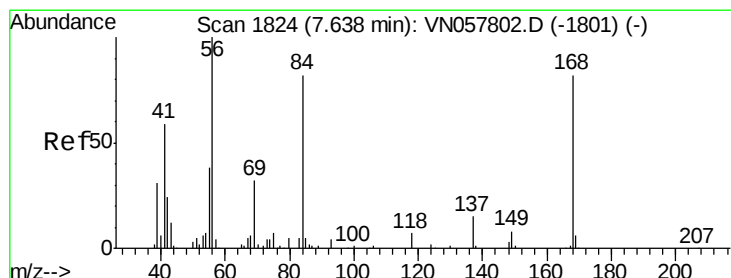
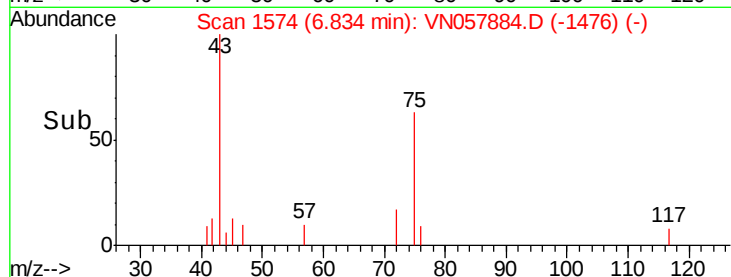
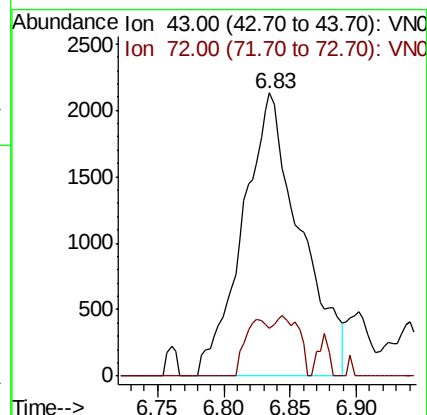
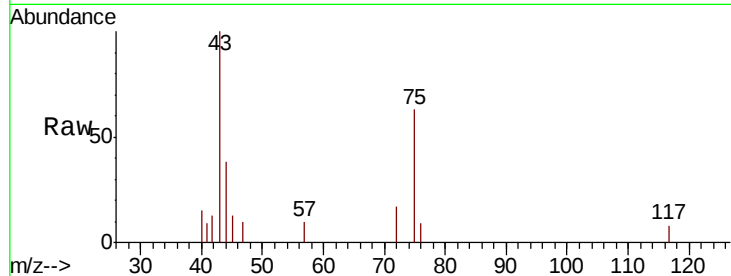
PAR-11-E4(0)

Tgt Ion: 43 Resp: 6443

Ion Ratio Lower Upper

43 100

72 17.0 20.6 30.8#



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

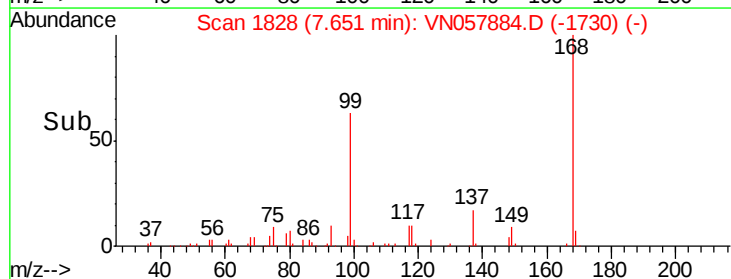
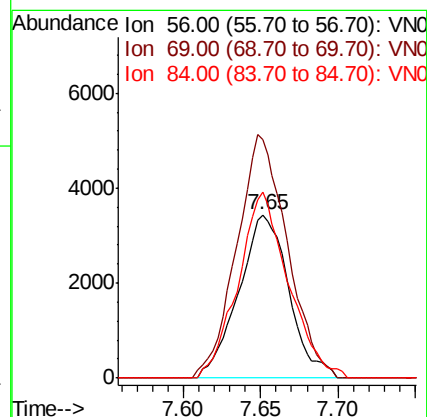
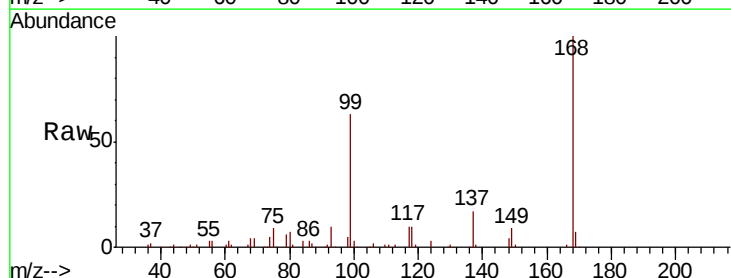
Tgt Ion: 56 Resp: 7714

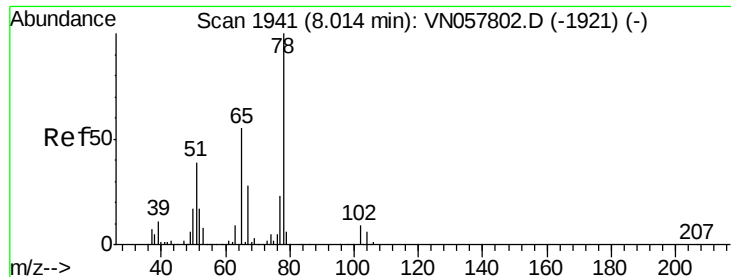
Ion Ratio Lower Upper

56 100

69 146.2 25.9 38.9#

84 113.9 65.6 98.4#

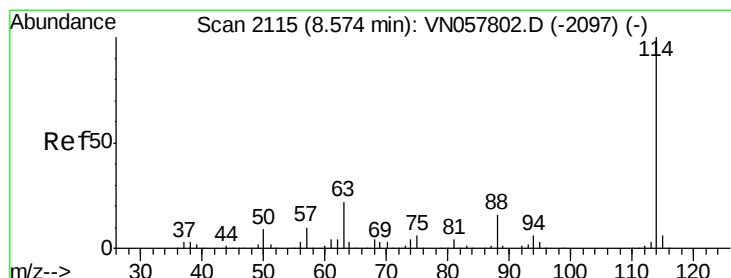
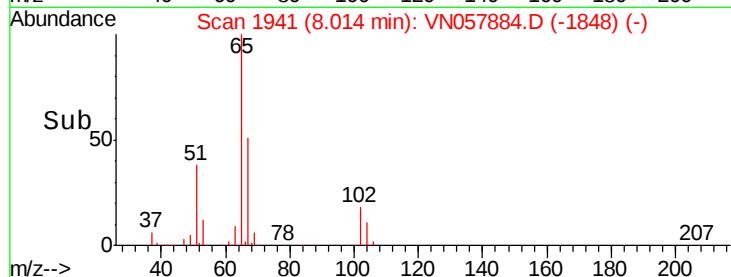
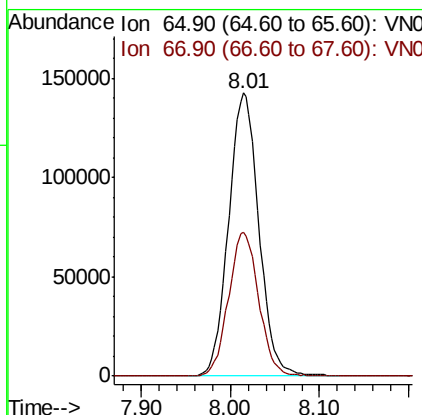
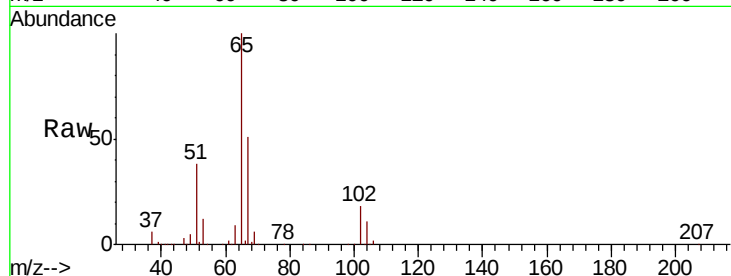




#33
 1,2-Dichloroethane-d4
 Concen: 58.062 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

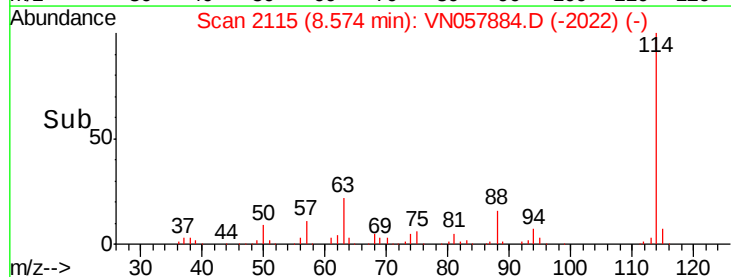
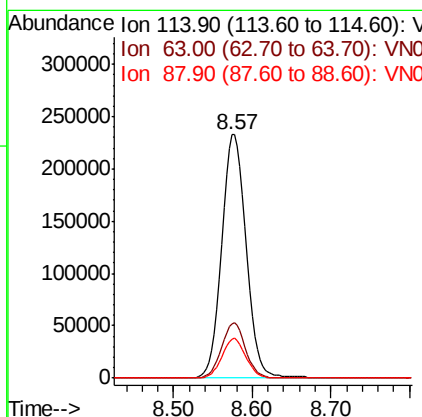
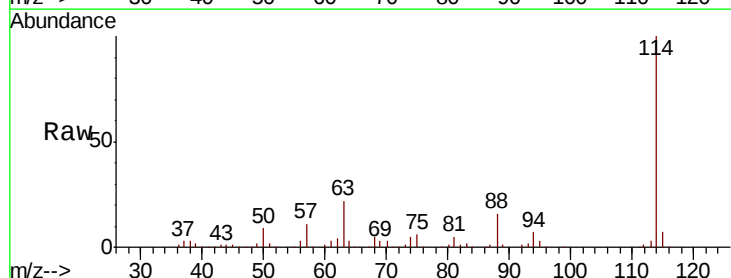
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E4(0)

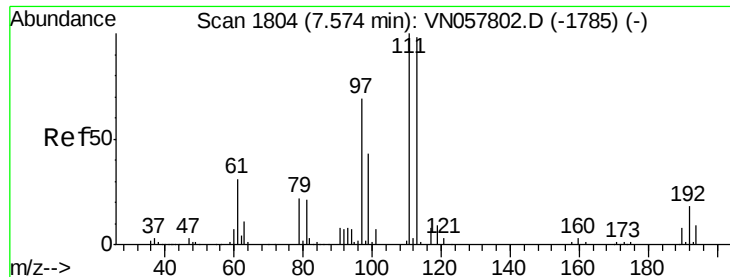
Tgt Ion: 65 Resp: 335190
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

Tgt Ion: 114 Resp: 498234
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 16.1 0.0 31.4

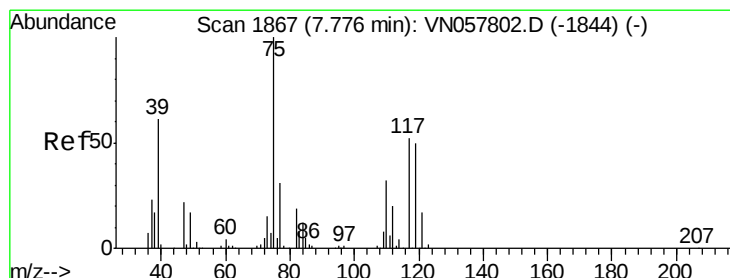
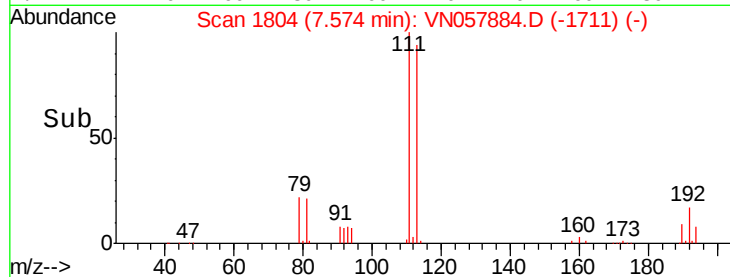
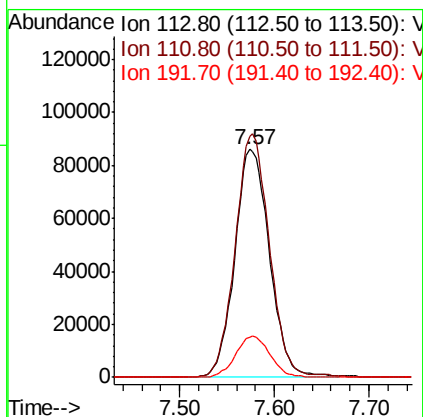
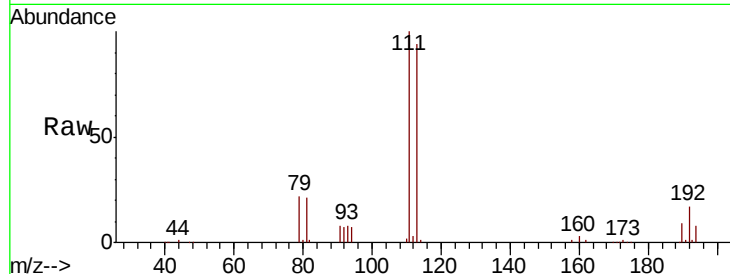




#35
 Dibromofluoromethane
 Concen: 47.905 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

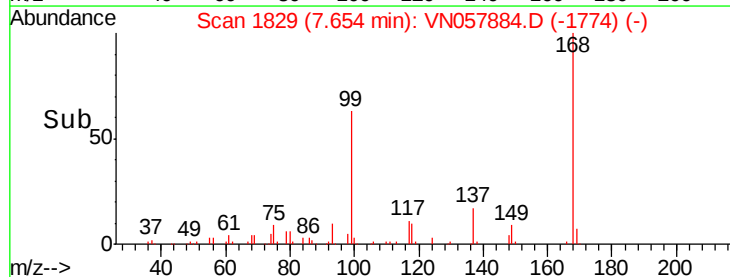
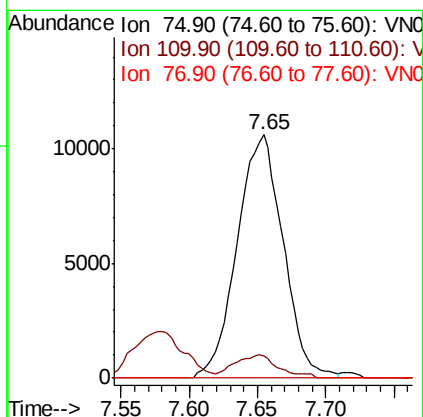
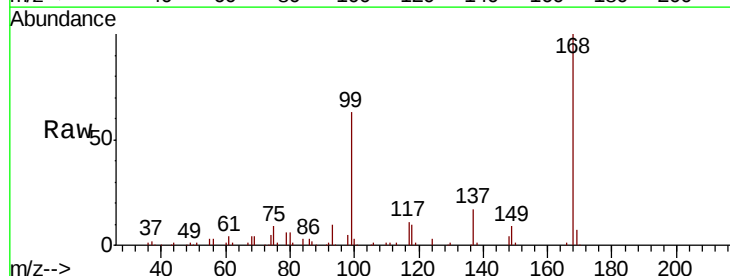
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E4-(0)

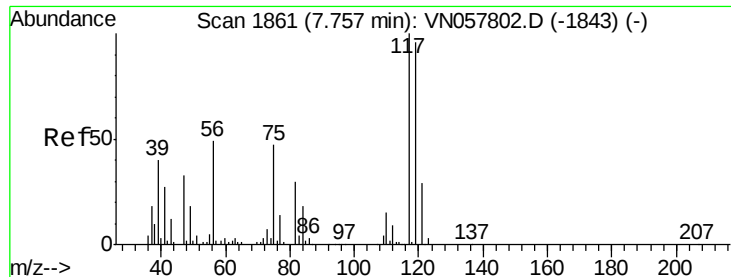
Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	81.3	121.9
192	17.9	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.294 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.7	16.3	48.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.838 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-E4(0)

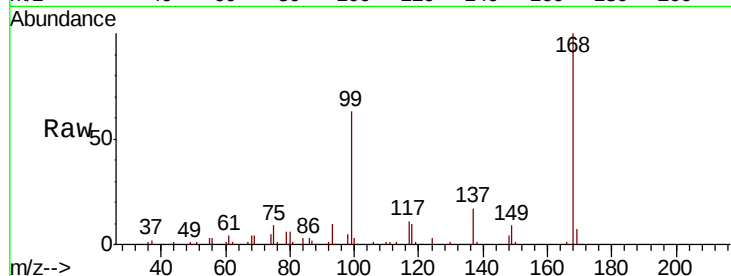
Tgt Ion:117 Resp: 30798

Ion Ratio Lower Upper

117 100

119 6.6 76.9 115.3#

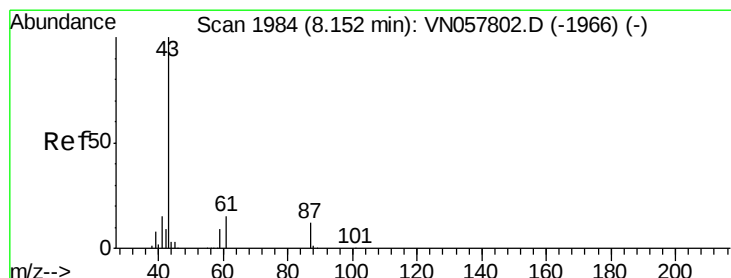
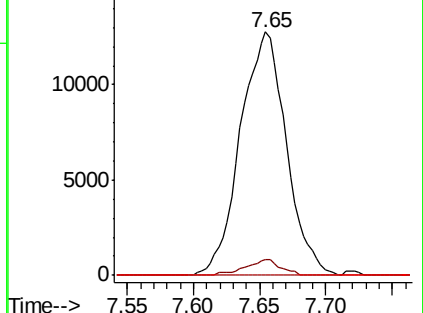
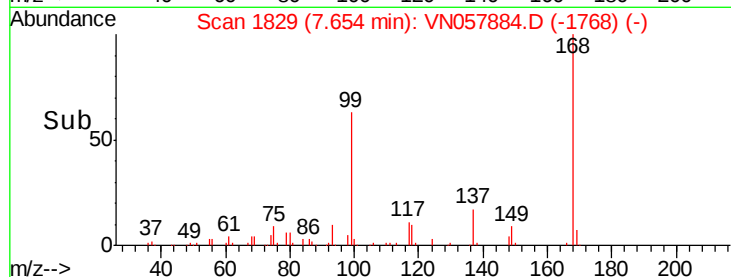
121 0.0 23.4 35.2#



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: 4.901 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

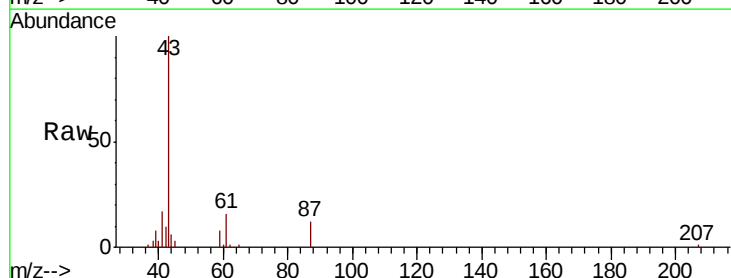
Tgt Ion: 43 Resp: 49203

Ion Ratio Lower Upper

43 100

61 17.6 20.1 30.1#

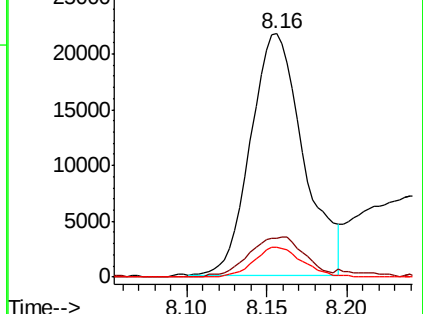
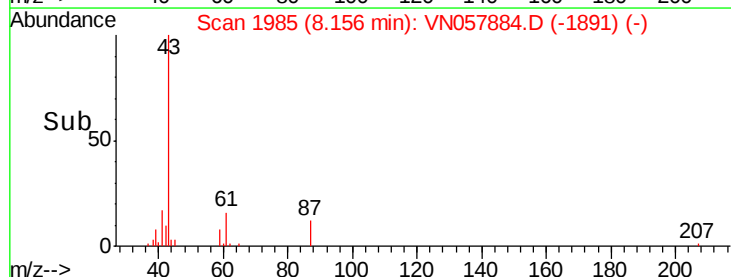
87 11.5 9.5 14.3

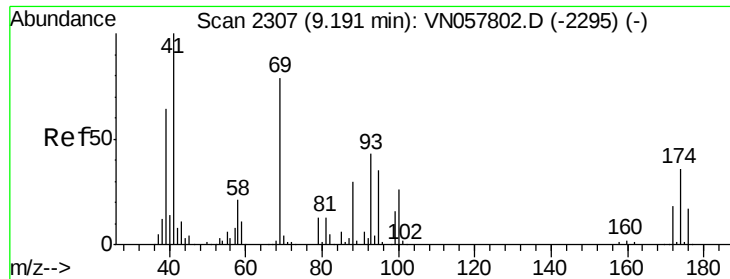


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

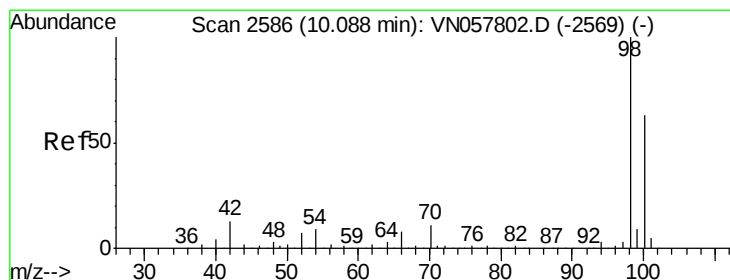
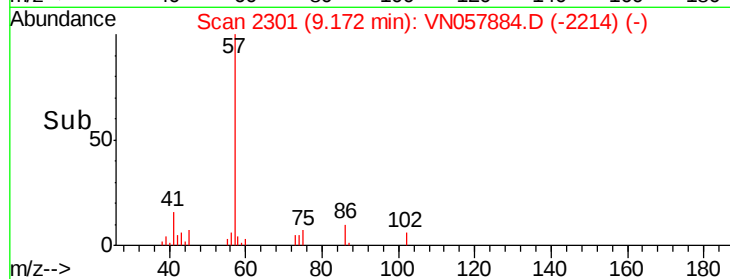
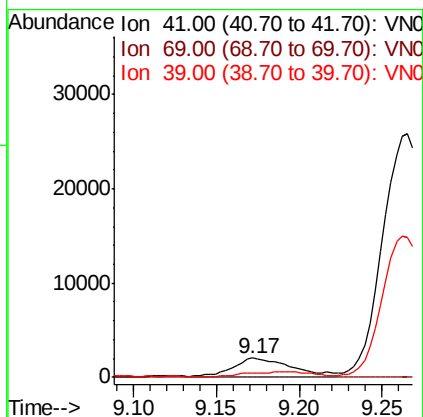
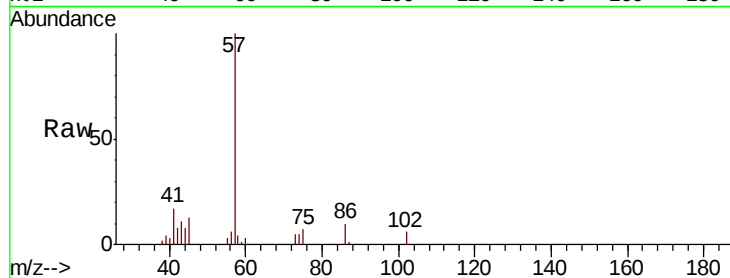




#48
Methyl methacrylate
Concen: 1.026 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057884.D
Acq: 10 Sep 2019 23:17

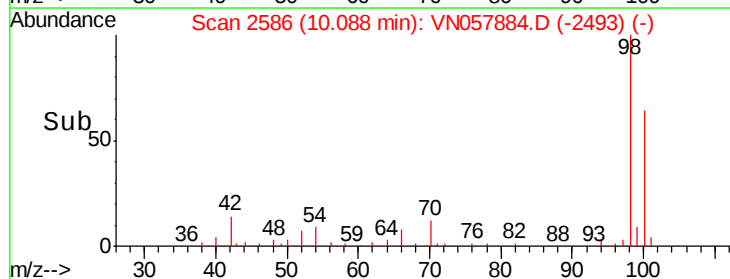
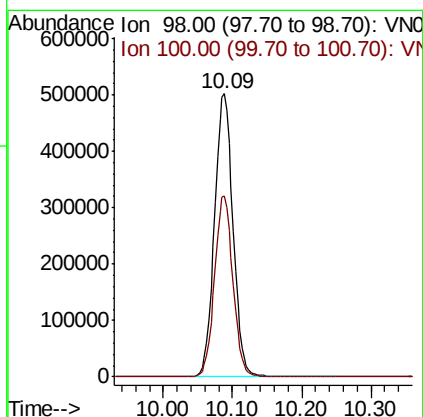
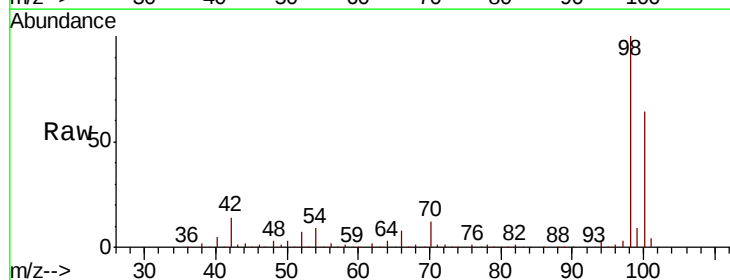
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E4(0)

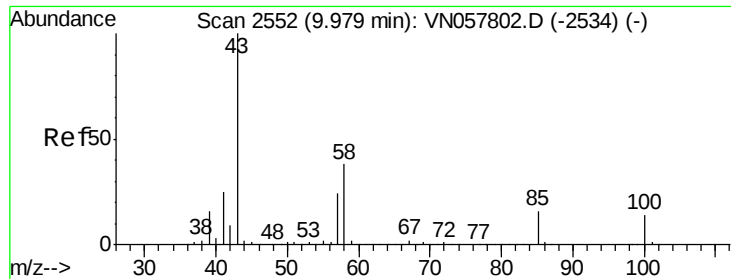
Tgt Ion: 41 Resp: 5227
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 0.0 52.7 79.1#



#50
Toluene-d8
Concen: 51.952 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057884.D
Acq: 10 Sep 2019 23:17

Tgt Ion: 98 Resp: 927542
Ion Ratio Lower Upper
98 100
100 63.3 50.3 75.5

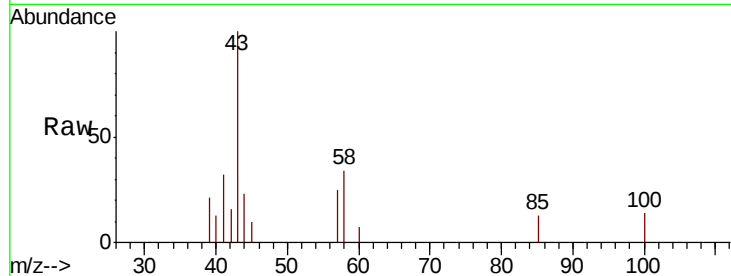




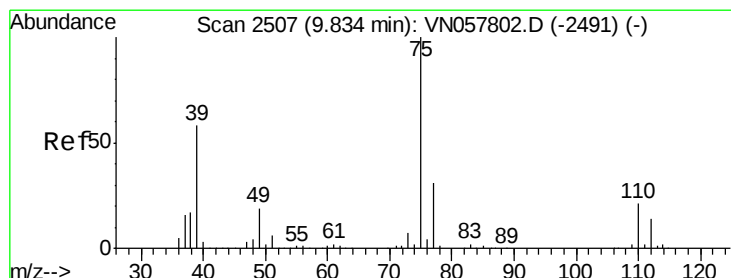
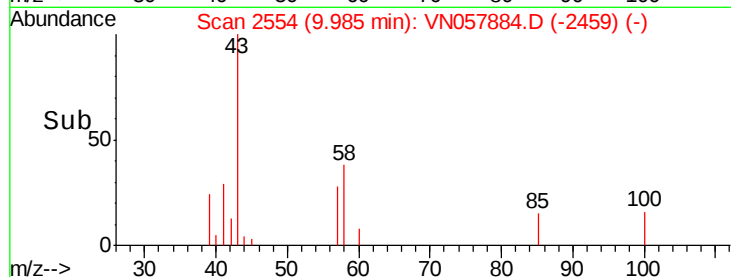
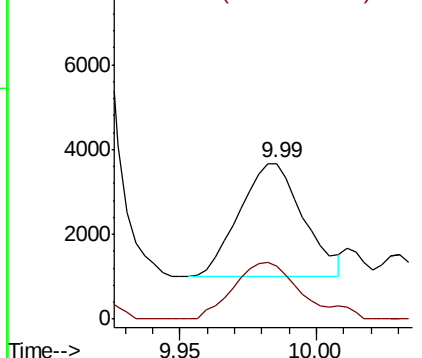
#51
 4-Methyl-2-Pentanone
 Concen: 0.724 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.01 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E4-(0)

Tgt Ion: 43 Resp: 4304
 Ion Ratio Lower Upper
 43 100
 58 53.9 29.8 44.6#

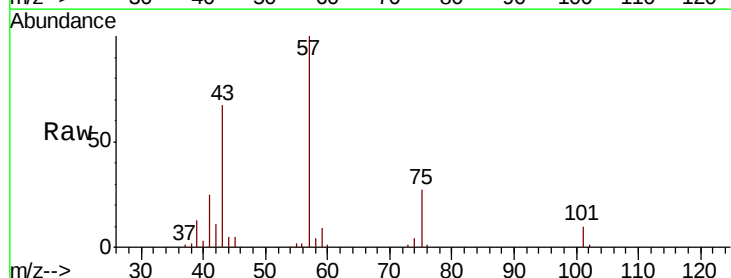


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

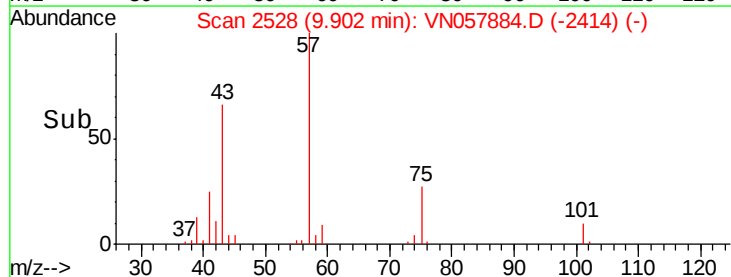
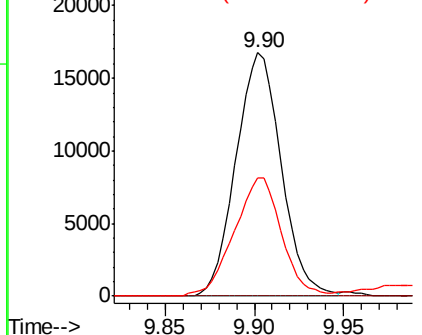


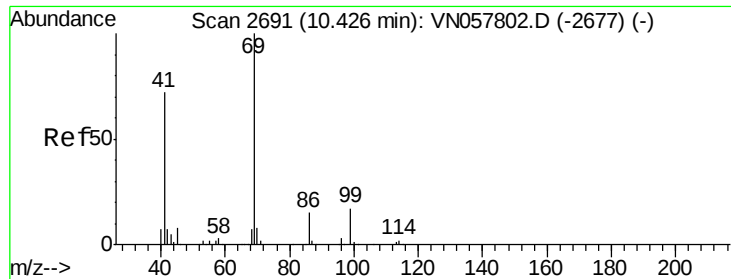
#54
 cis-1,3-Dichloropropene
 Concen: 4.170 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

Tgt Ion: 75 Resp: 29617
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 47.4 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: 0.212 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-E4(0)

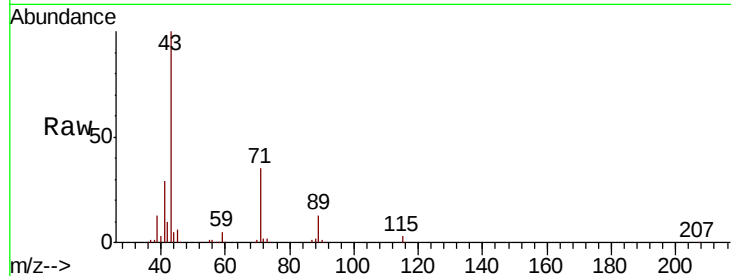
Tgt Ion: 69 Resp: 1485

Ion Ratio Lower Upper

69 100

41 6028.5 56.7 85.1#

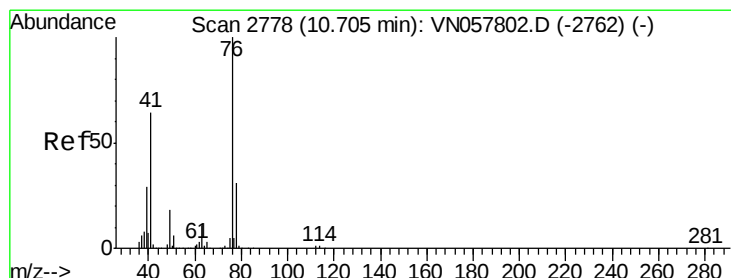
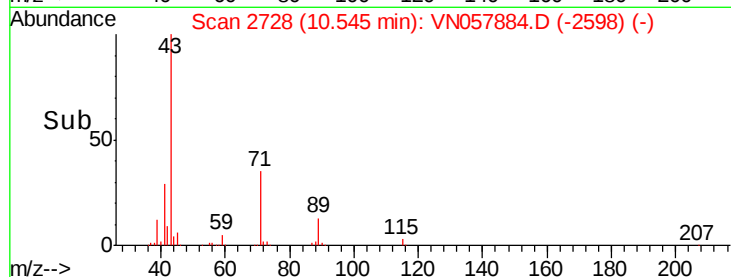
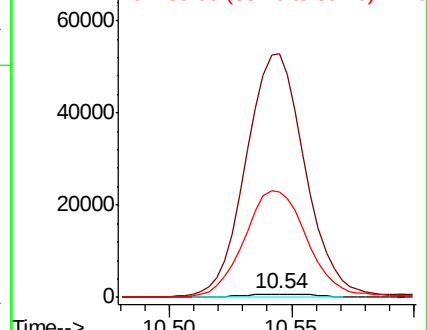
39 2824.8 36.3 54.5#



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: 0.423 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057884.D

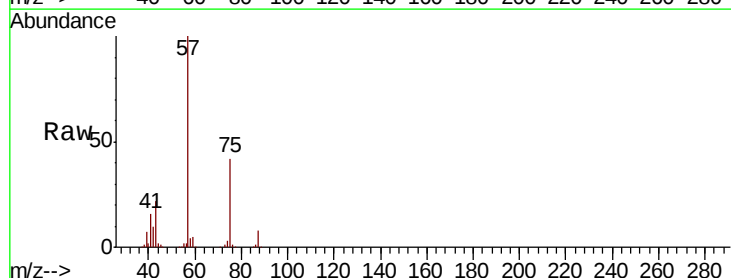
Acq: 10 Sep 2019 23:17

Tgt Ion: 76 Resp: 3385

Ion Ratio Lower Upper

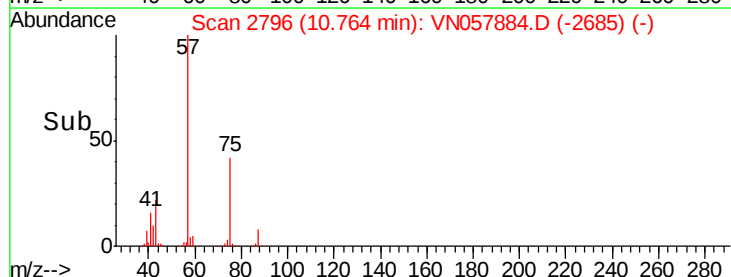
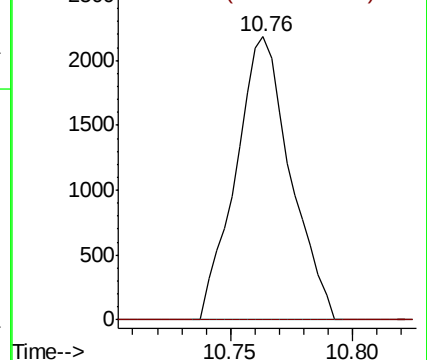
76 100

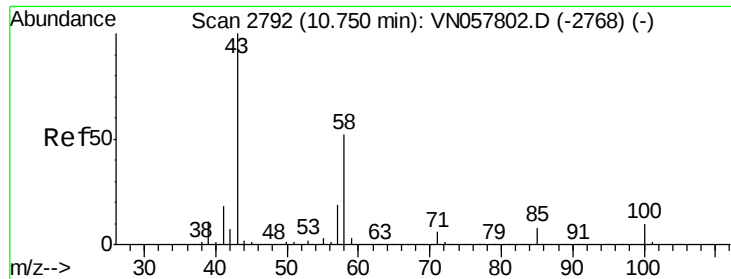
78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

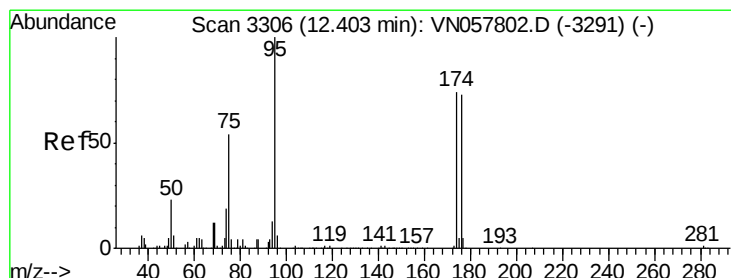
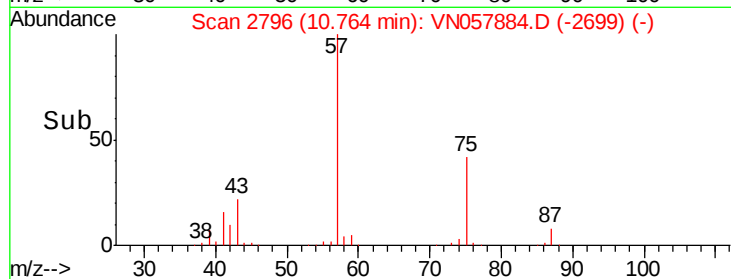
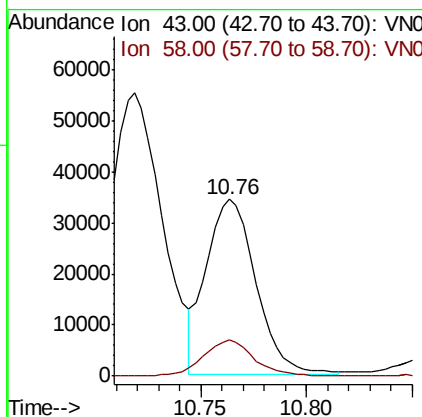
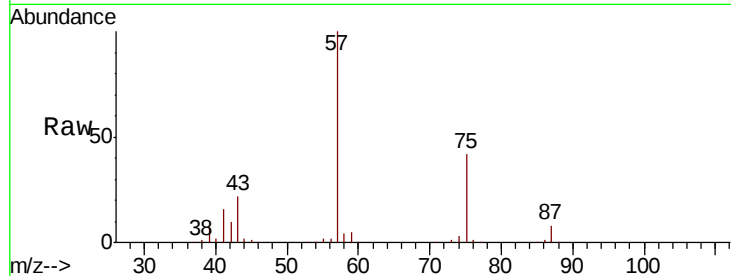




#59
 2-Hexanone
 Concen: 12.577 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

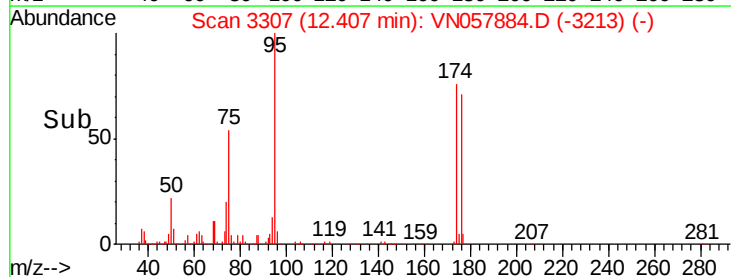
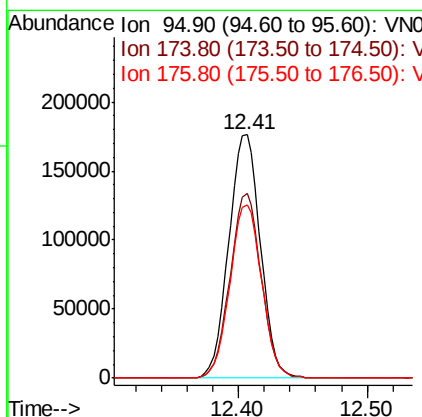
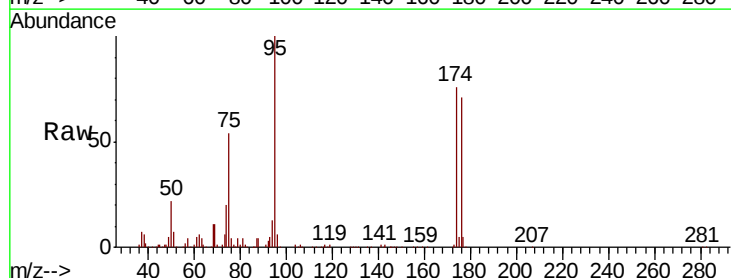
Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E4-(0)

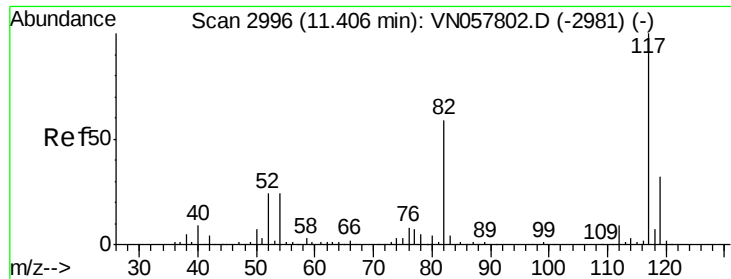
Tgt Ion: 43 Resp: 56008
 Ion Ratio Lower Upper
 43 100
 58 20.9 25.6 76.8#



#62
 4-Bromofluorobenzene
 Concen: 44.151 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057884.D
 Acq: 10 Sep 2019 23:17

Tgt Ion: 95 Resp: 300397
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 150.2
 176 71.7 0.0 146.0

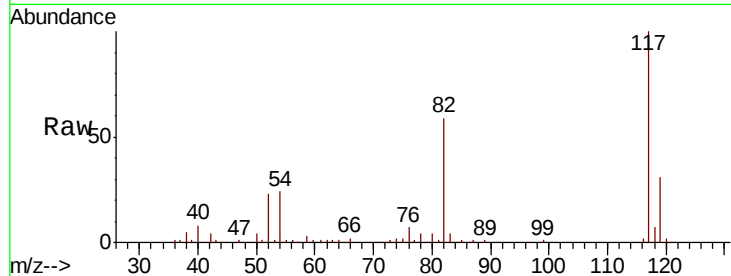




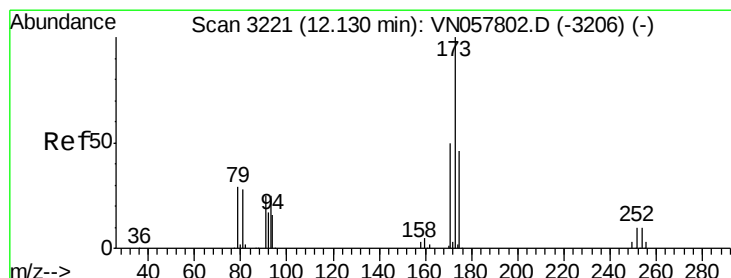
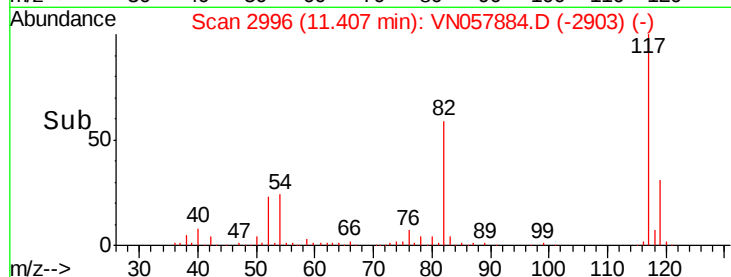
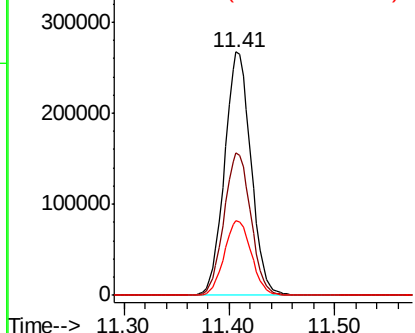
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057884.D
Acq: 10 Sep 2019 23:17

Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E4-(0)

Tgt Ion:117 Resp: 462950
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 30.8 25.3 37.9

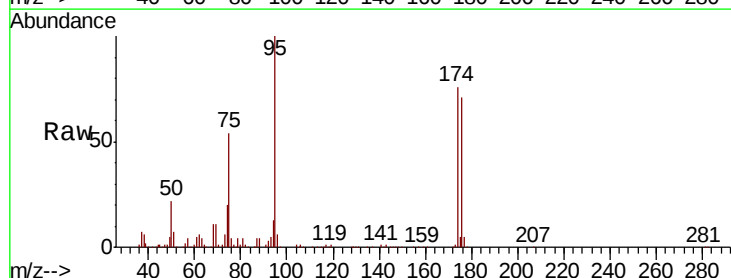


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

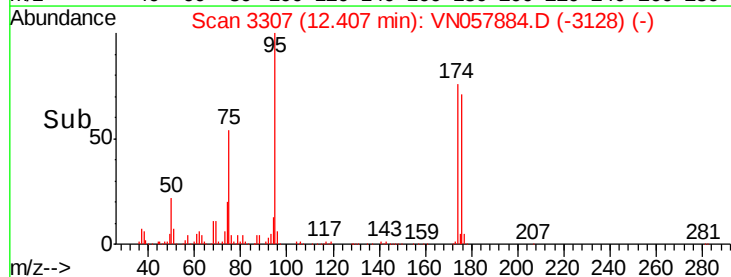
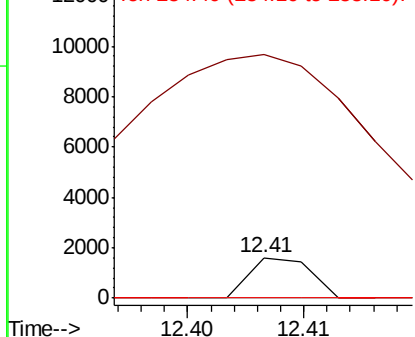


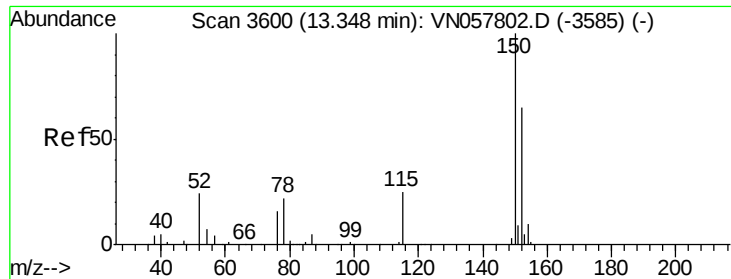
#71
Bromoform
Concen: 0.224 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN057884.D
Acq: 10 Sep 2019 23:17

Tgt Ion:173 Resp: 586
Ion Ratio Lower Upper
173 100
175 2489.8 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: VN057884.D

Acq: 10 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-E4-(0)

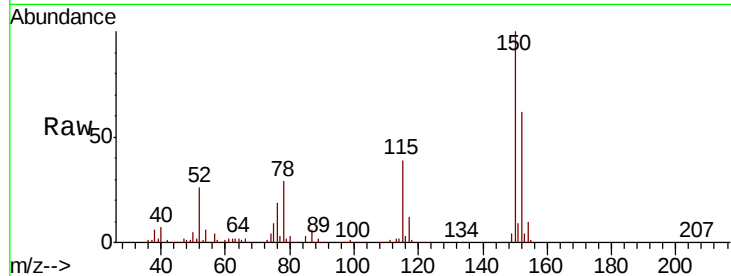
Tgt Ion:152 Resp: 236864

Ion Ratio Lower Upper

152 100

115 60.8 30.3 91.0

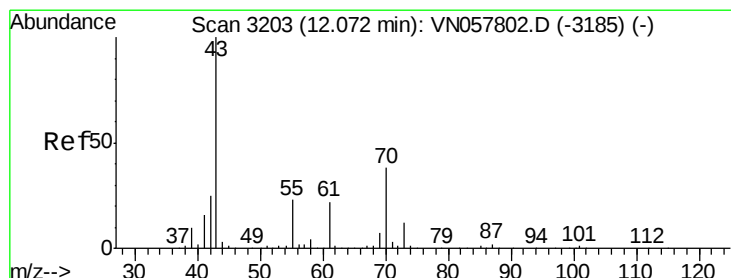
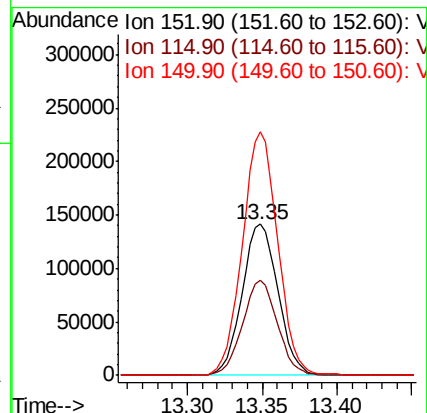
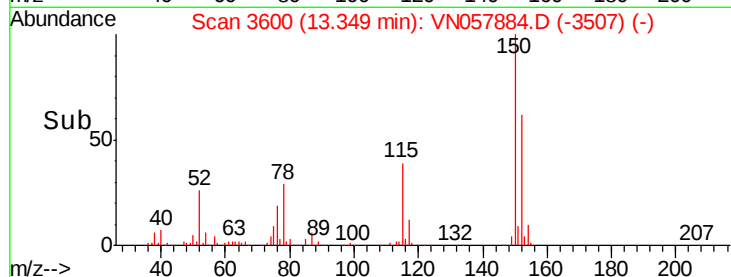
150 158.0 0.0 352.4



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: 0.252 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

Tgt Ion: 43 Resp: 2016

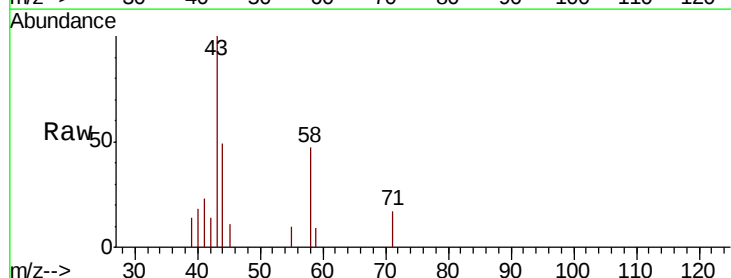
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 5.4 18.6 27.8#

61 0.0 17.4 26.2#

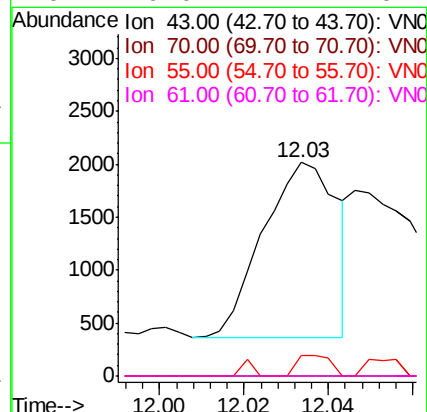
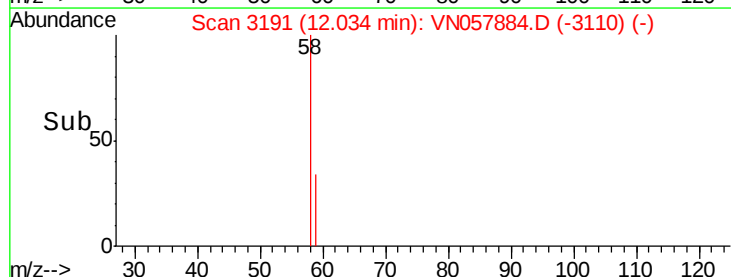


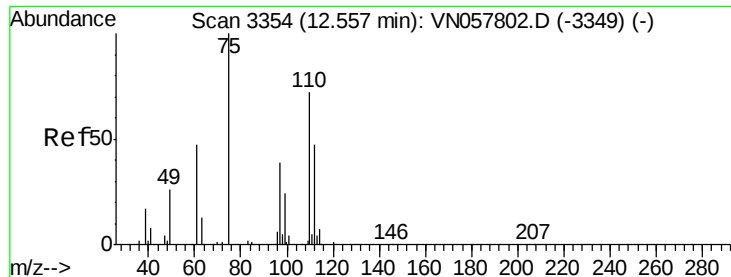
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.532 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

Instrument :

MSVOA_N

ClientSampleId :

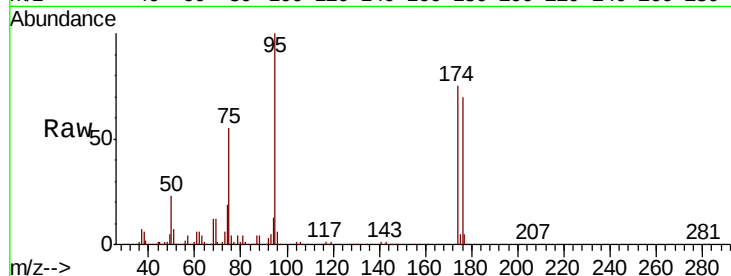
PAR-11-E4(0)

Tgt Ion: 75 Resp: 163598

Ion Ratio Lower Upper

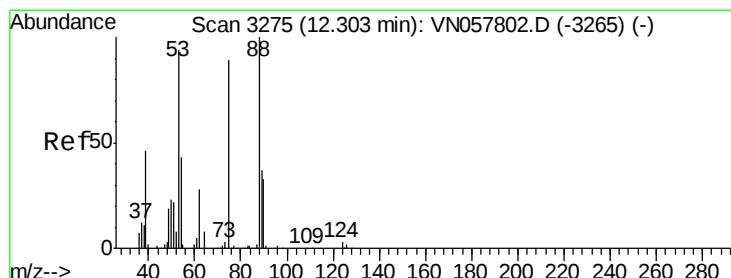
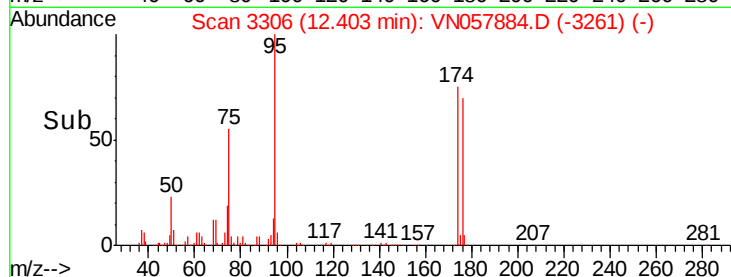
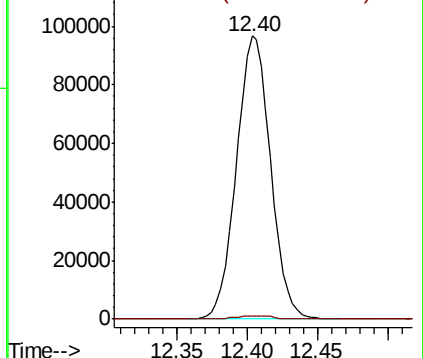
75 100

77 1.3 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: 107.442 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057884.D

Acq: 10 Sep 2019 23:17

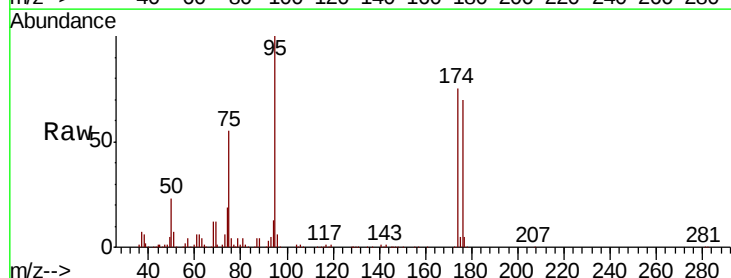
Tgt Ion: 75 Resp: 163598

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

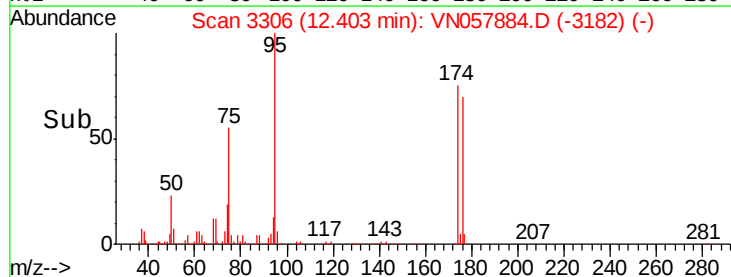
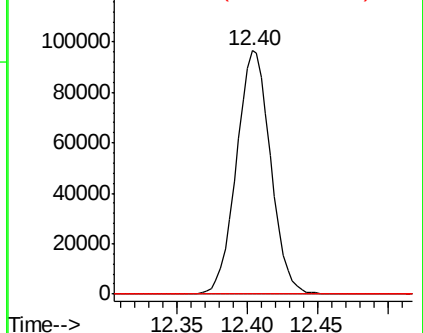
89 0.0 35.3 52.9#

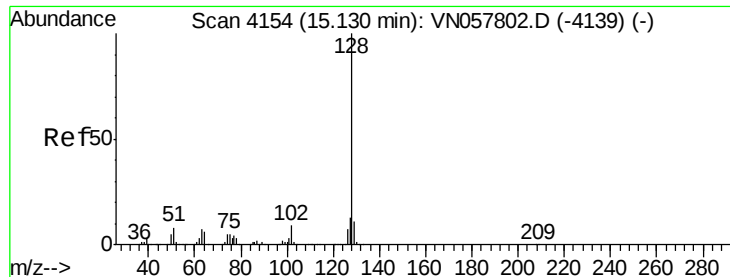


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

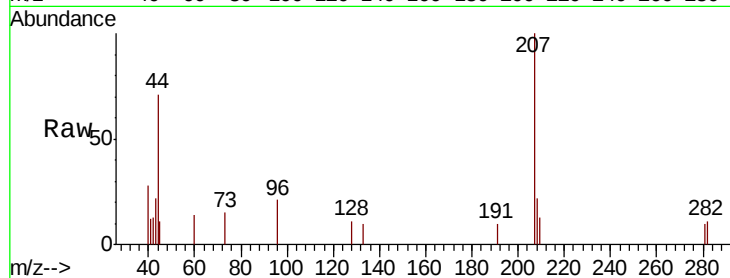




#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057884.D
Acq: 10 Sep 2019 23:17

Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E4-(0)

Tgt 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

