

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057883.D
 Acq On : 10 Sep 2019 22:55
 Operator : JC/SP
 Sample : K4623-40
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E3-(0)

Quant Time: Sep 11 03:59:15 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	293556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	487548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	449435	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232105	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	323815	54.46	ug/l	0.00
Spiked Amount			Recovery	=	108.92%	
35) Dibromofluoromethane	7.58	113	217204	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	891244	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	290347	43.61	ug/l	0.00
Spiked Amount			Recovery	=	87.22%	

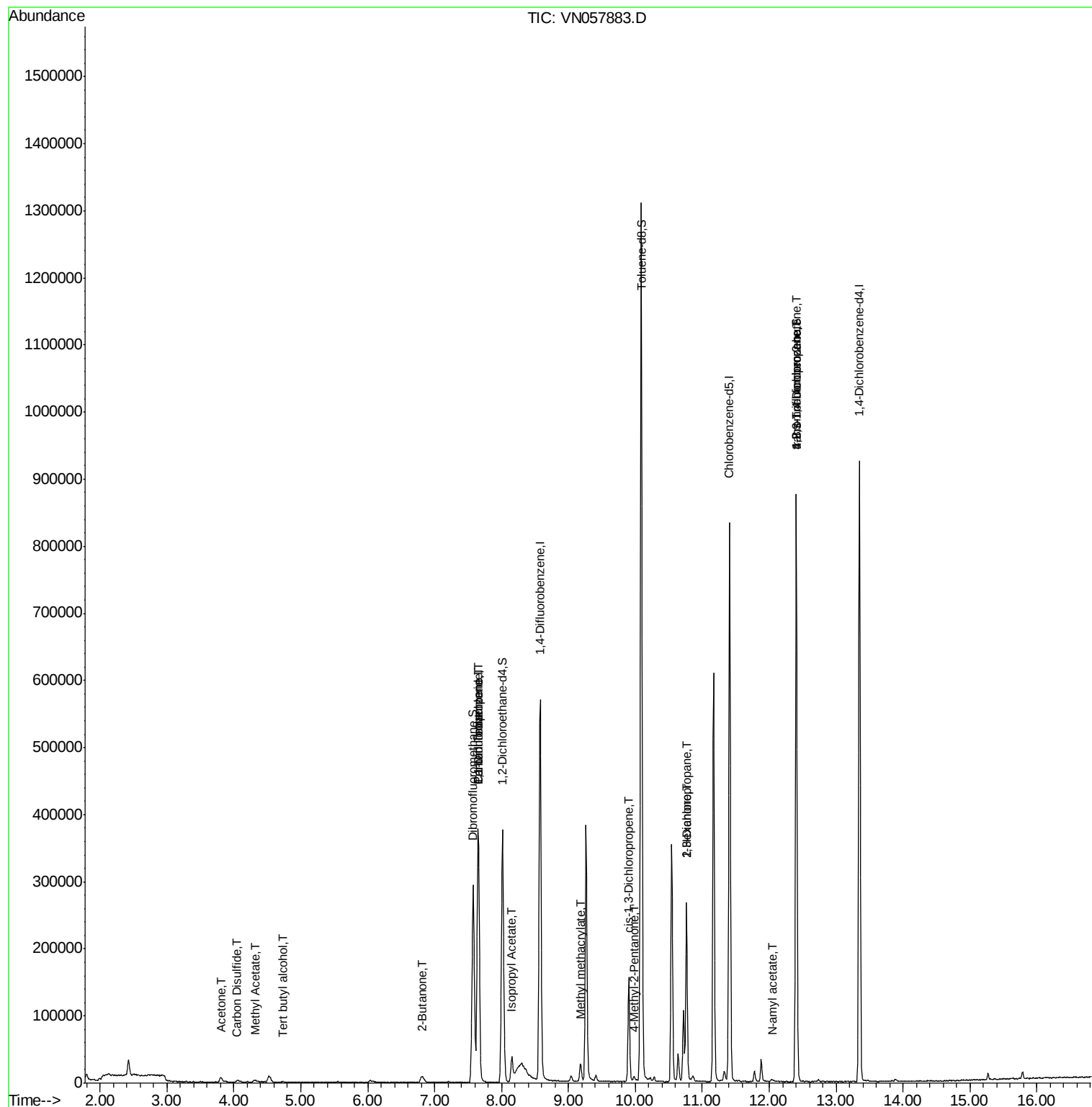
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	143	Below Cal	#	2
11) Tert butyl alcohol	4.73	59	699	0.971	ug/l #	72
16) Acetone	3.80	43	11693	5.999	ug/l	90
17) Carbon Disulfide	4.03	76	211	0.202	ug/l #	75
18) Methyl Acetate	4.31	43	6637	1.277	ug/l #	73
20) Methylene Chloride	4.52	84	3625	Below Cal		95
25) 2-Butanone	6.83	43	916	0.325	ug/l #	49
31) Cyclohexane	7.65	56	7731	Below Cal	#	18
36) 1,1-Dichloropropene	7.65	75	24960	4.414	ug/l #	51
38) Carbon Tetrachloride	7.65	117	30423	5.893	ug/l #	16
43) Isopropyl Acetate	8.16	43	48915	4.979	ug/l #	89
48) Methyl methacrylate	9.18	41	4413	0.886	ug/l #	28
51) 4-Methyl-2-Pentanone	9.98	43	4511	0.776	ug/l #	73
54) cis-1,3-Dichloropropene	9.90	75	26786	3.854	ug/l #	70
57) 1,3-Dichloropropane	10.77	76	2611	0.334	ug/l #	43
59) 2-Hexanone	10.76	43	40654	9.330	ug/l #	55
74) N-amyl acetate	12.04	43	2895	0.369	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	158689	30.223	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	158689	106.355	ug/l #	6
95) Naphthalene	15.13	128	284	Below Cal	#	69

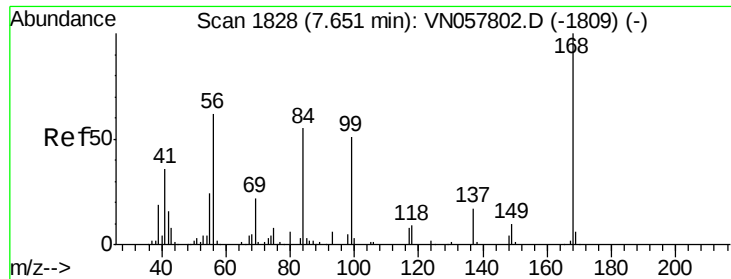
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
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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: VN057883.D

Acq: 10 Sep 2019 22:55

Instrument :

MSVOA_N

ClientSampleId :

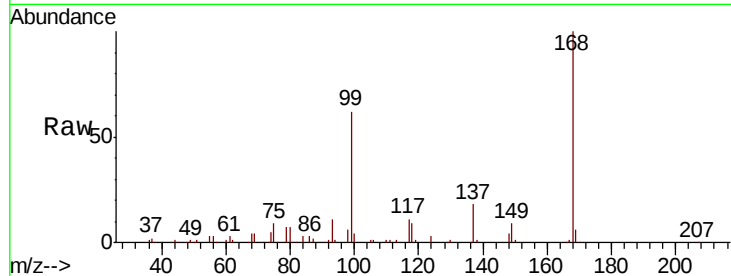
PAR-11-E3-(0)

Tgt Ion:168 Resp: 293556

Ion Ratio Lower Upper

168 100

99 61.8 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

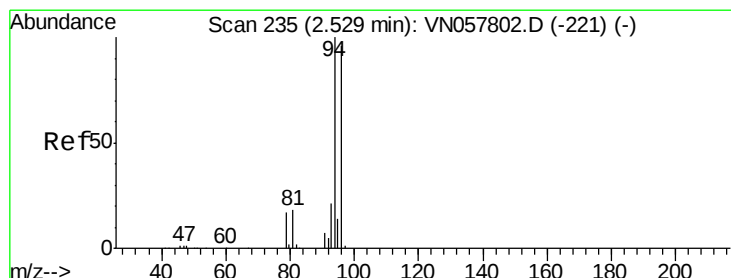
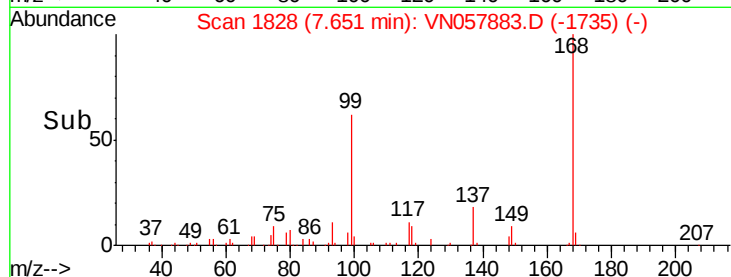
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN057883.D

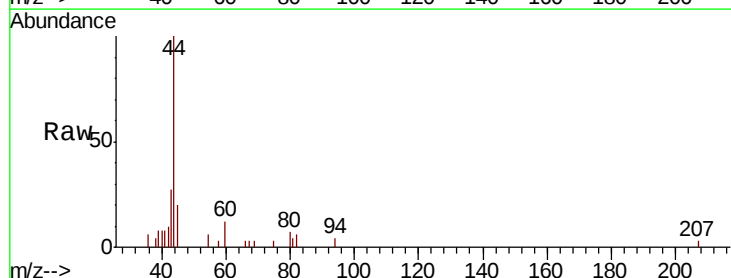
Acq: 10 Sep 2019 22:55

Tgt Ion: 94 Resp: 143

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)

2.53

250

200

150

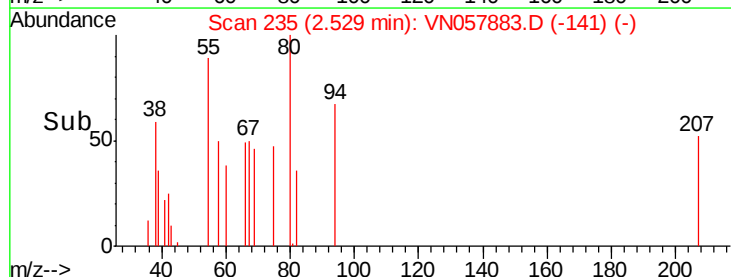
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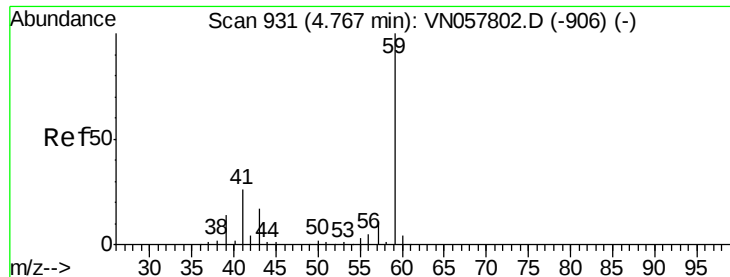
50

0

2.52 2.53 2.54

Time-->

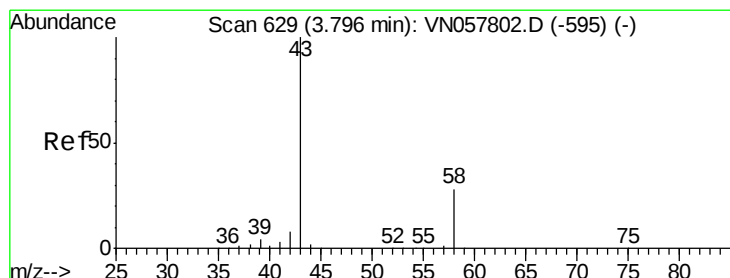
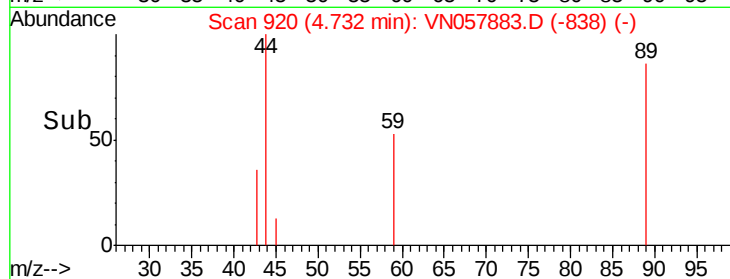
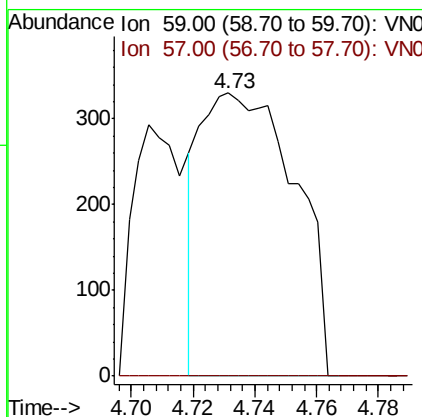
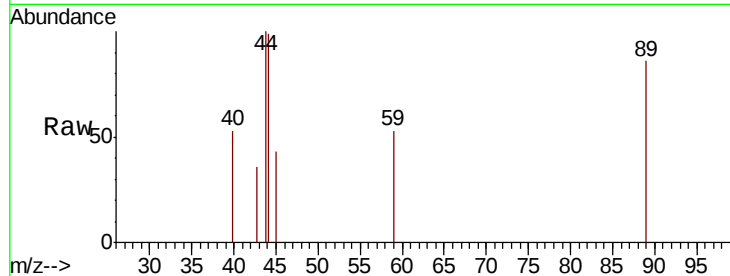




#11
Tert butyl alcohol
Concen: 0.971 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.04 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

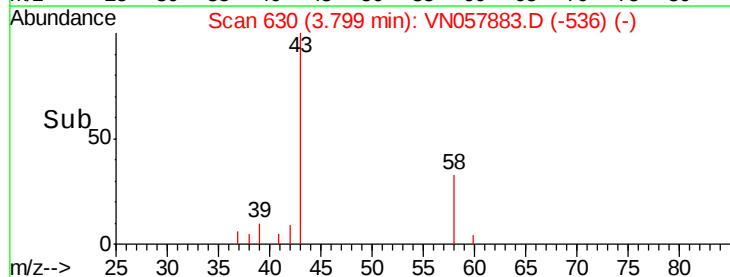
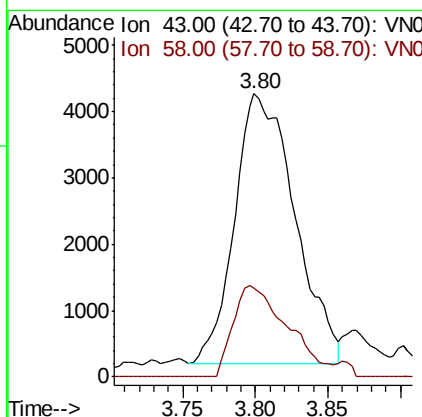
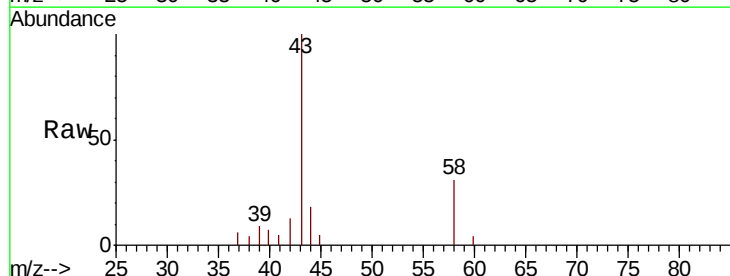
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E3-(0)

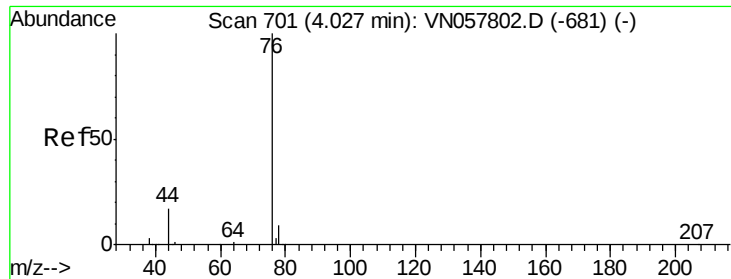
Tgt Ion: 59 Resp: 699
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 5.999 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.00 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

Tgt Ion: 43 Resp: 11693
Ion Ratio Lower Upper
43 100
58 32.9 22.2 33.2





#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN057883.D

Acq: 10 Sep 2019 22:55

Instrument :

MSVOA_N

ClientSampleId :

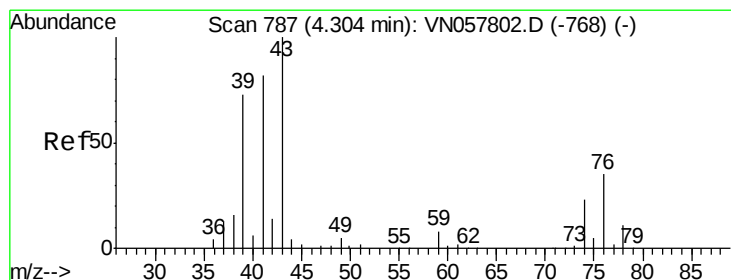
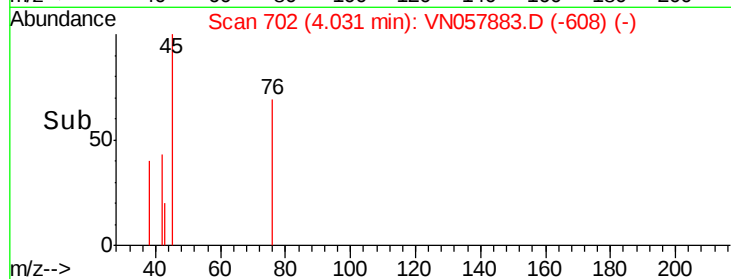
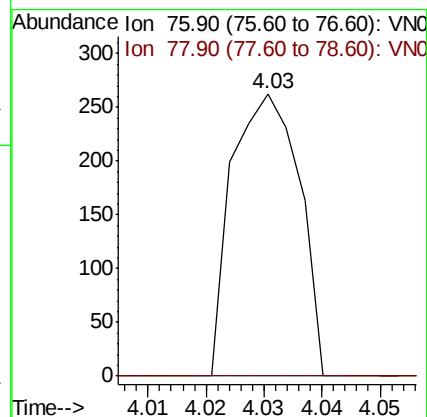
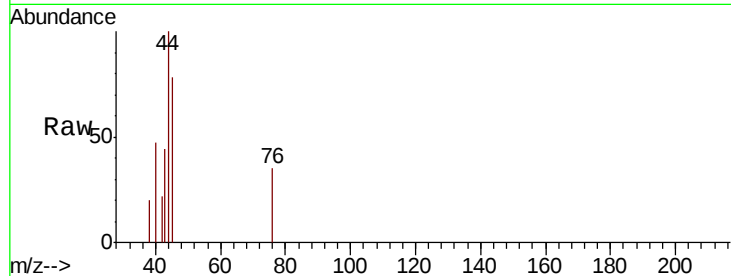
PAR-11-E3-(0)

Tgt Ion: 76 Resp: 211

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



#18

Methyl Acetate

Concen: 1.277 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN057883.D

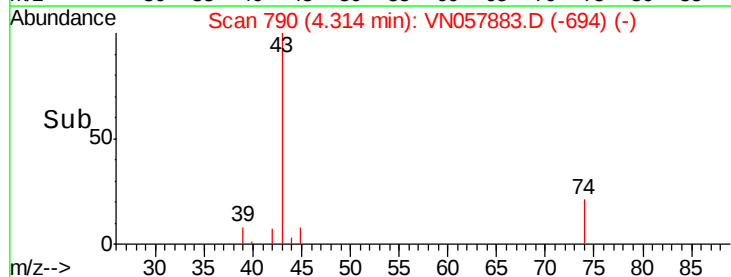
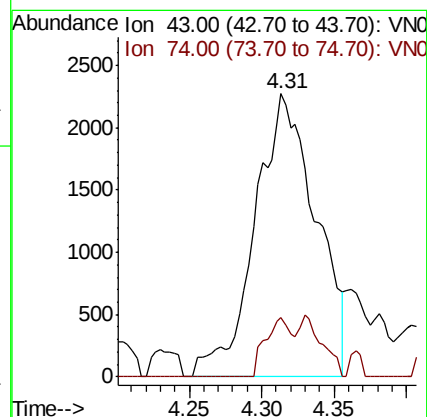
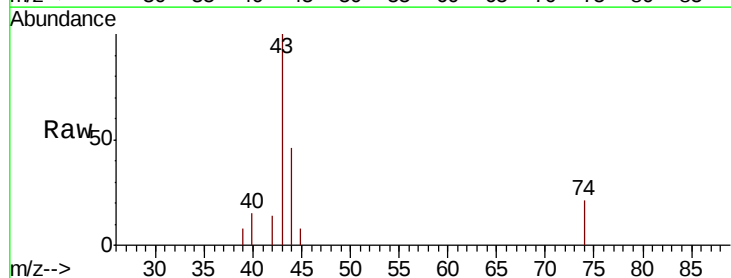
Acq: 10 Sep 2019 22:55

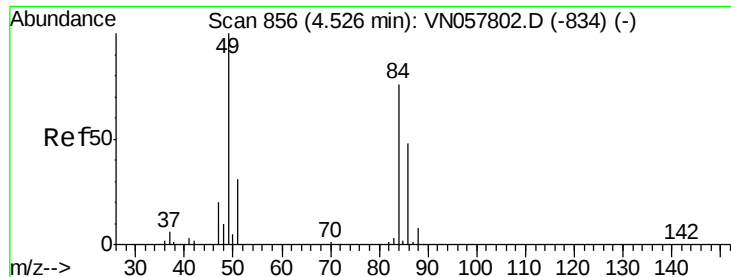
Tgt Ion: 43 Resp: 6637

Ion Ratio Lower Upper

43 100

74 9.3 17.9 26.9#

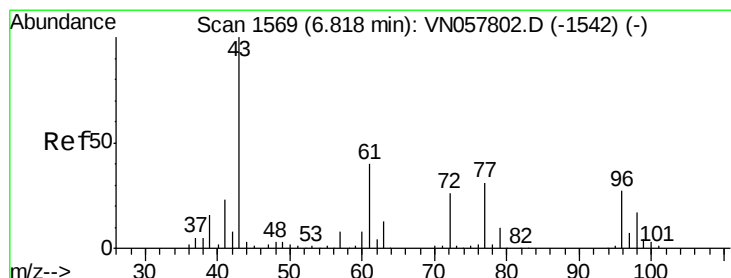
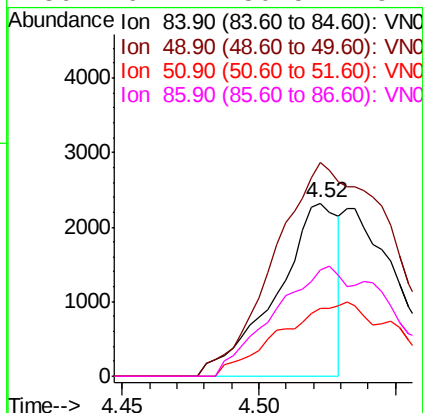
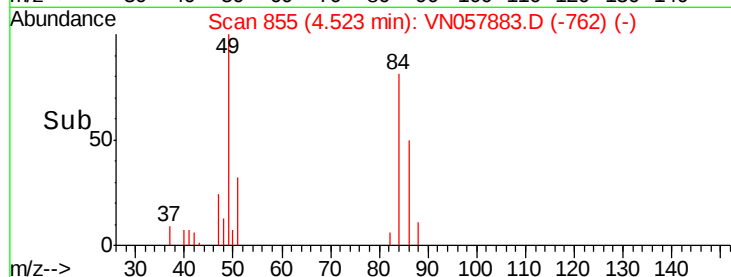
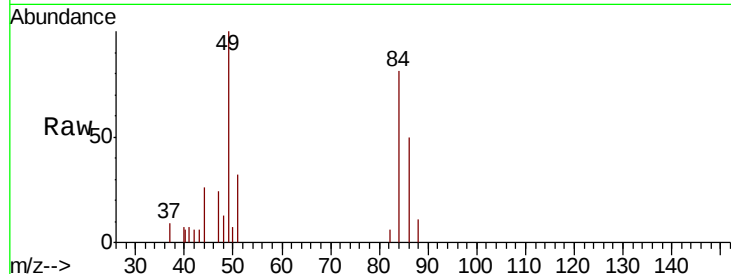




#20
Methylene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

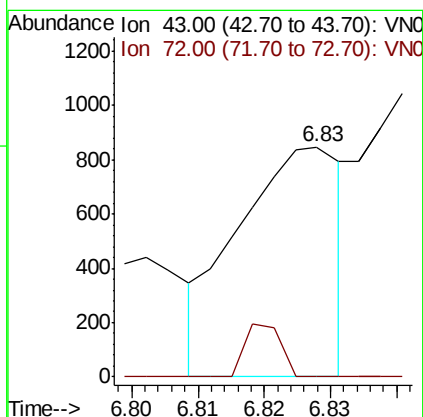
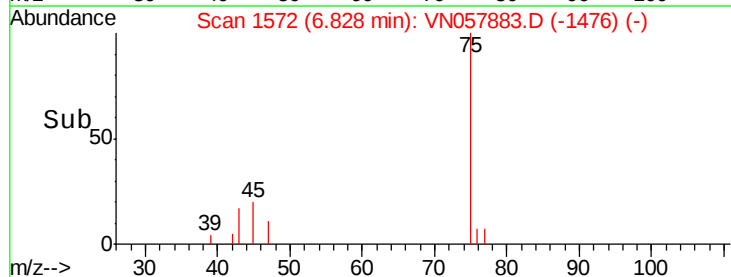
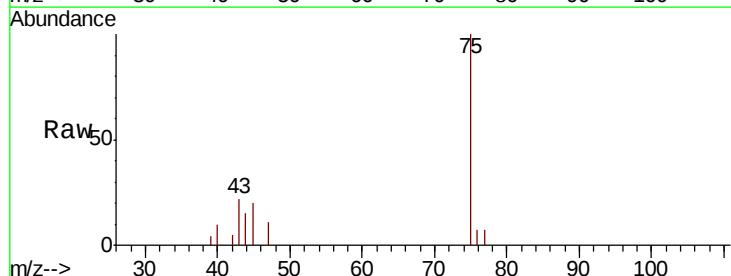
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E3-(0)

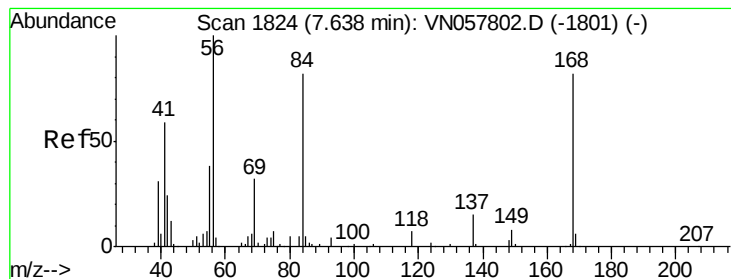
Tgt Ion: 84 Resp: 3625
Ion Ratio Lower Upper
84 100
49 123.4 104.8 157.2
51 38.9 33.0 49.4
86 61.1 50.5 75.7



#25
2-Butanone
Concen: 0.325 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

Tgt Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057883.D

Acq: 10 Sep 2019 22:55

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-E3-(0)

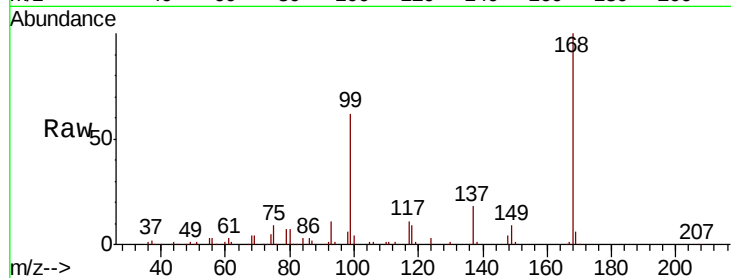
Tgt Ion: 56 Resp: 7731

Ion Ratio Lower Upper

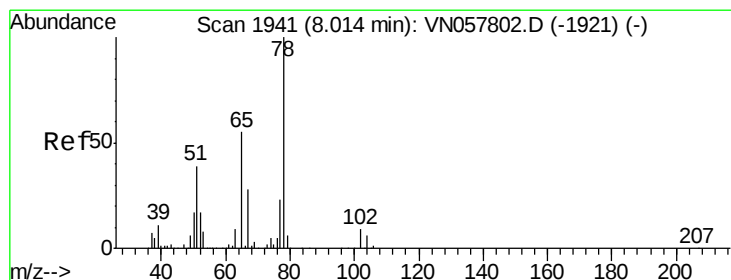
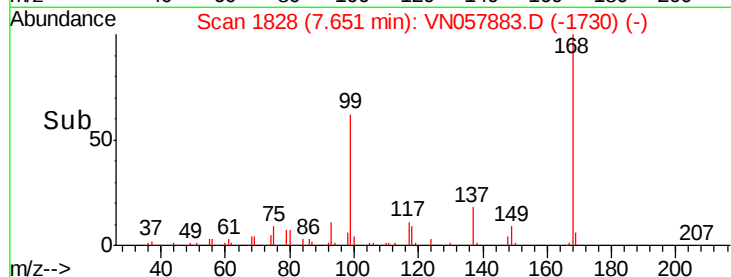
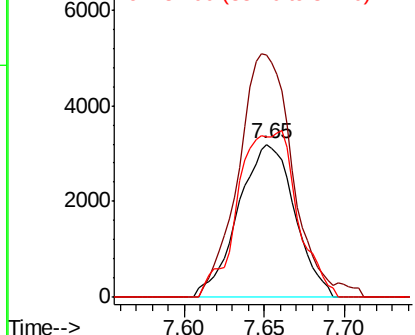
56 100

69 158.5 25.9 38.9#

84 105.1 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 54.462 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057883.D

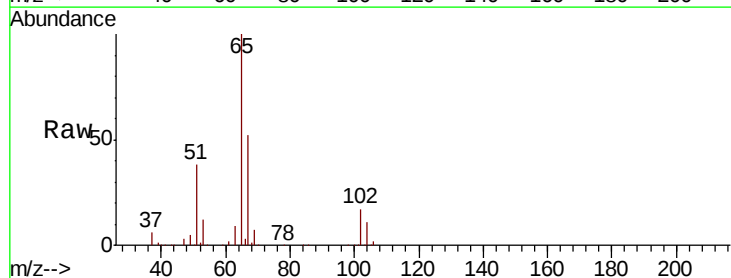
Acq: 10 Sep 2019 22:55

Tgt Ion: 65 Resp: 323815

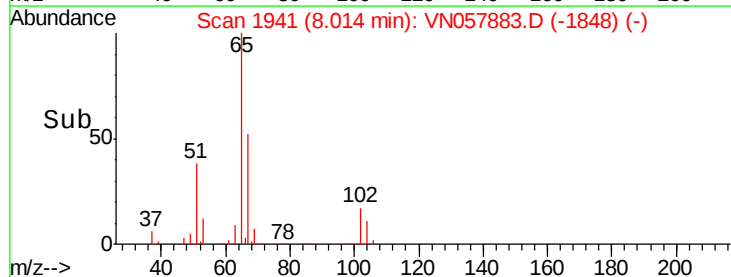
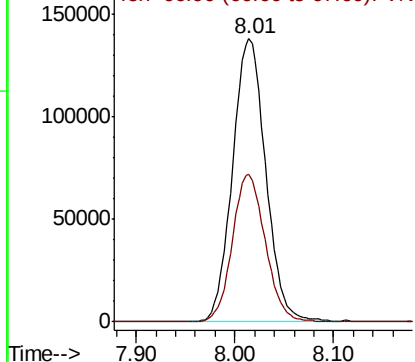
Ion Ratio Lower Upper

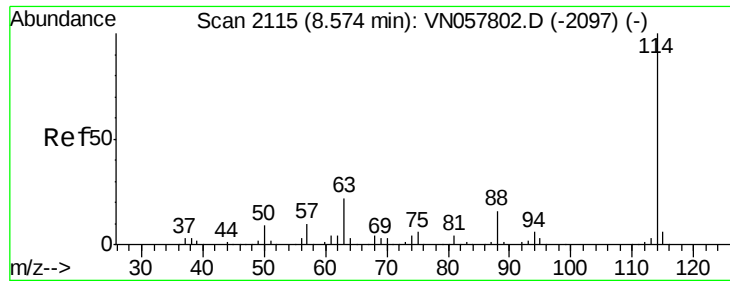
65 100

67 51.7 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

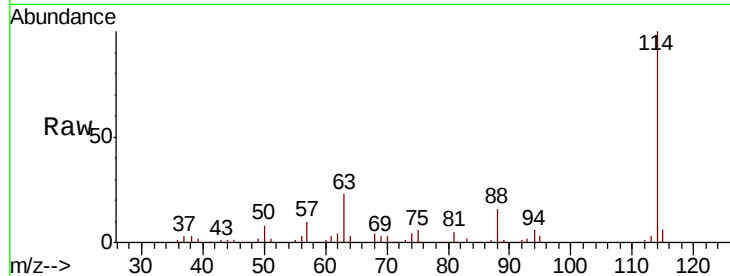




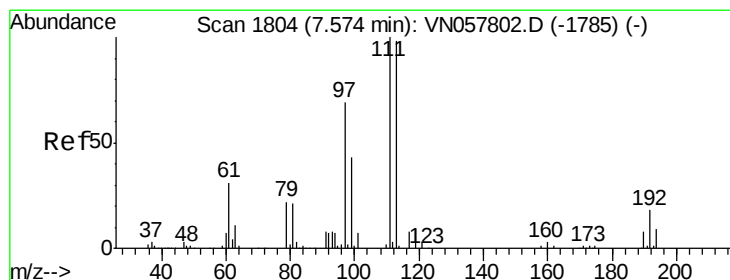
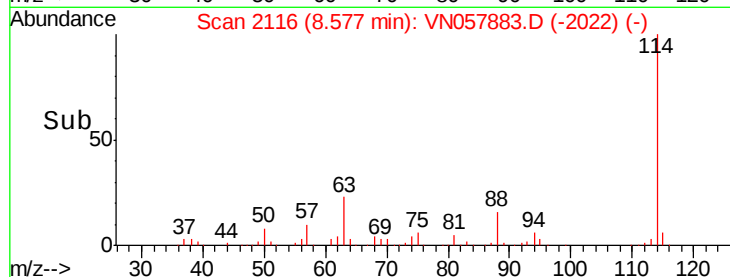
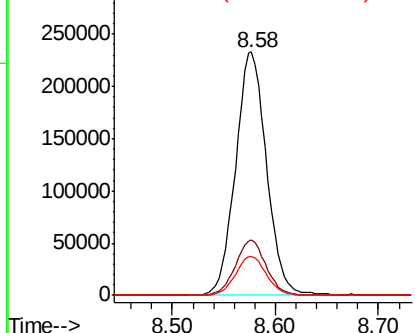
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057883.D
 Acq: 10 Sep 2019 22:55

Instrument :
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 PAR-11-E3-(0)

Tgt Ion:114 Resp: 487548
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 44.0
 88 15.9 0.0 31.4

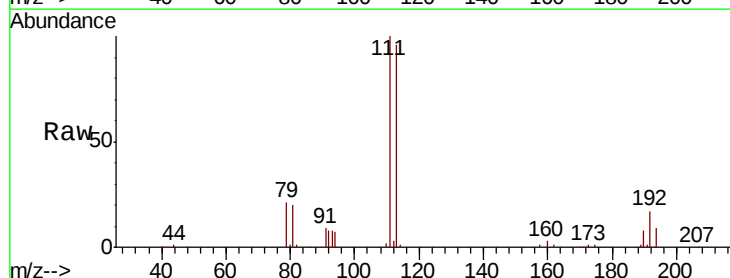


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

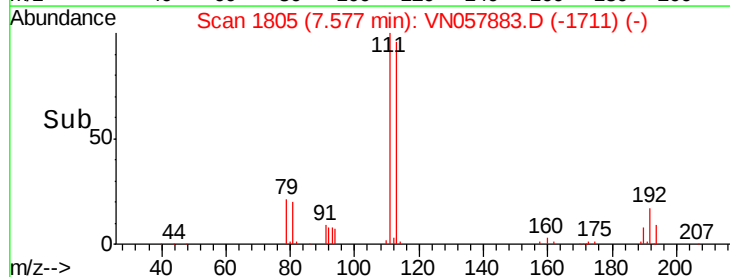
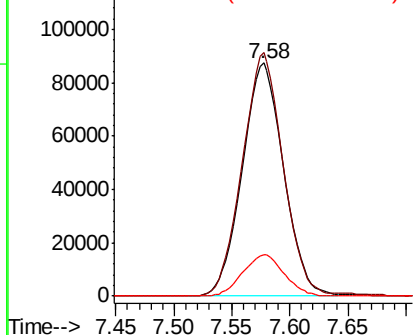


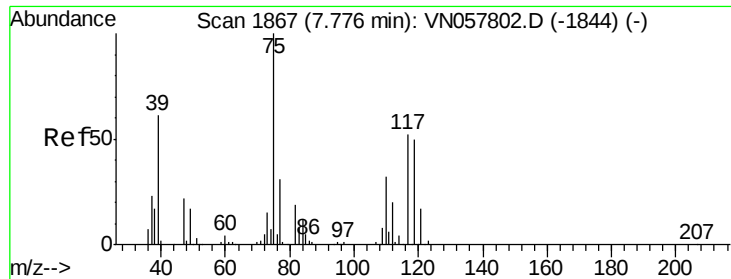
#35
 Dibromofluoromethane
 Concen: 48.269 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057883.D
 Acq: 10 Sep 2019 22:55

Tgt Ion:113 Resp: 217204
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 17.7 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

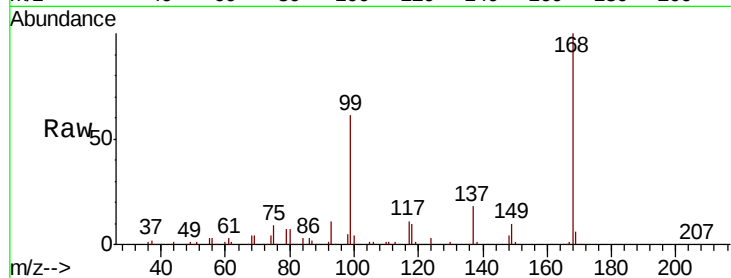




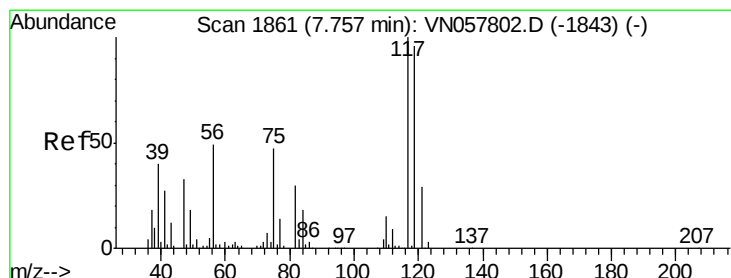
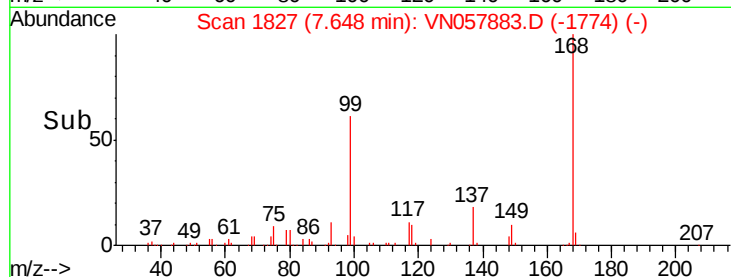
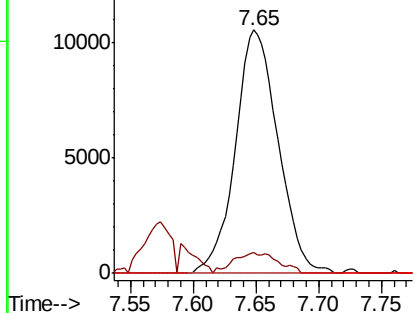
#36
 1,1-Dichloropropene
 Concen: 4.414 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057883.D
 Acq: 10 Sep 2019 22:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E3-(0)

Tgt Ion: 75 Resp: 24960
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.3 48.9#
 77 0.0 25.0 37.4#

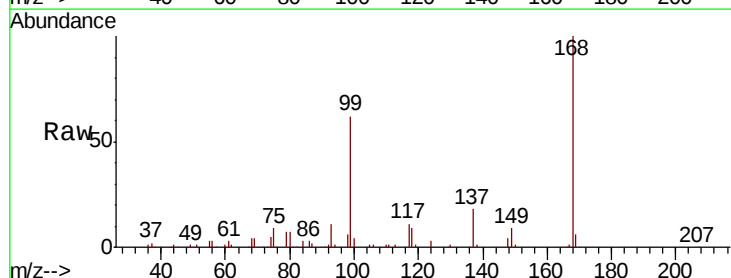


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

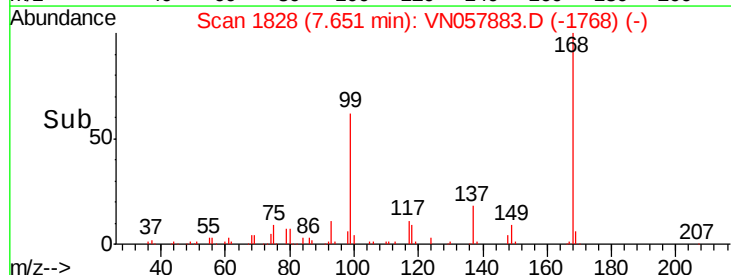
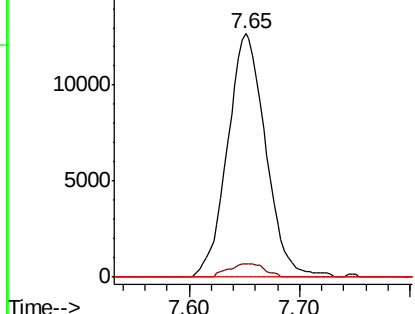


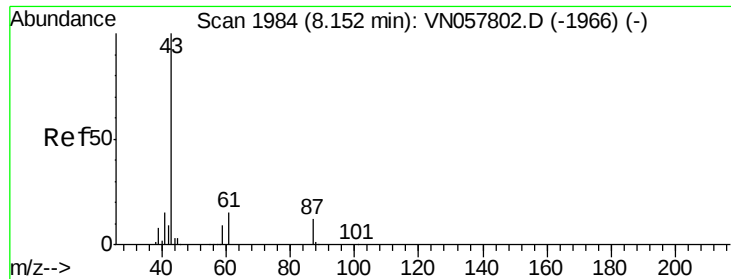
#38
 Carbon Tetrachloride
 Concen: 5.893 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057883.D
 Acq: 10 Sep 2019 22:55

Tgt Ion: 117 Resp: 30423
 Ion Ratio Lower Upper
 117 100
 119 5.5 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: 4.979 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057883.D

Acq: 10 Sep 2019 22:55

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-E3-(0)

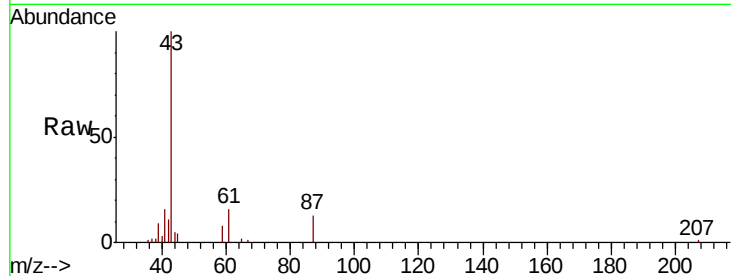
Tgt Ion: 43 Resp: 48915

Ion Ratio Lower Upper

43 100

61 17.3 20.1 30.1#

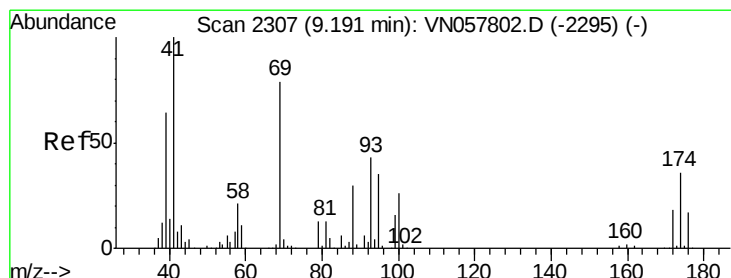
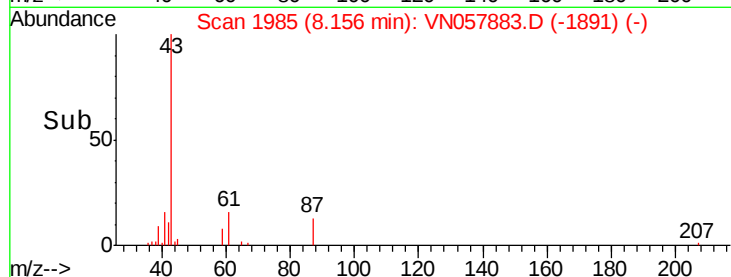
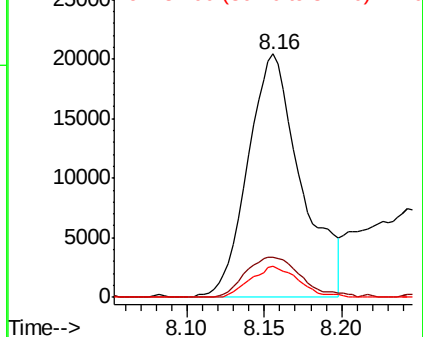
87 11.5 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#48

Methyl methacrylate

Concen: 0.886 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VN057883.D

Acq: 10 Sep 2019 22:55

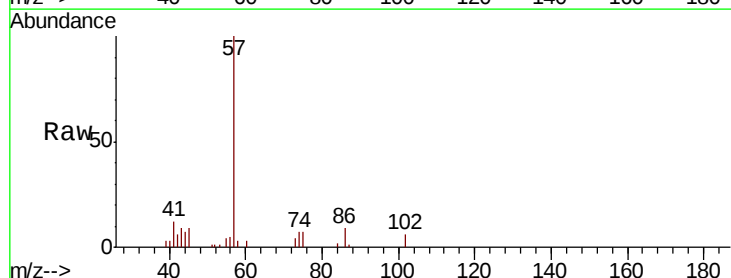
Tgt Ion: 41 Resp: 4413

Ion Ratio Lower Upper

41 100

69 0.0 62.7 94.1#

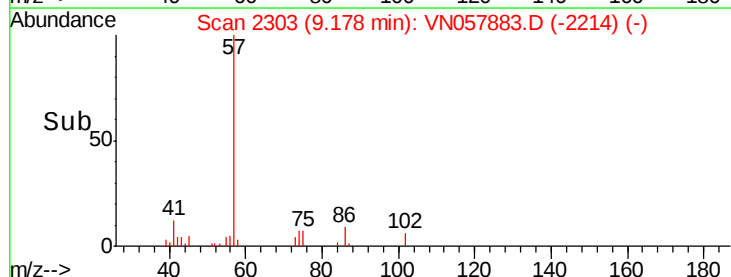
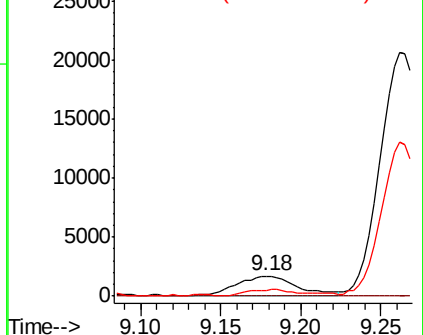
39 25.5 52.7 79.1#

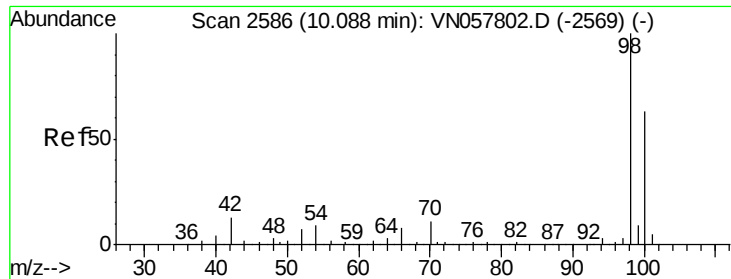


Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057802.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-2295) (-)





#50

Toluene-d8

Concen: 51.013 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057883.D

Acq: 10 Sep 2019 22:55

Instrument :

MSVOA_N

ClientSampled :

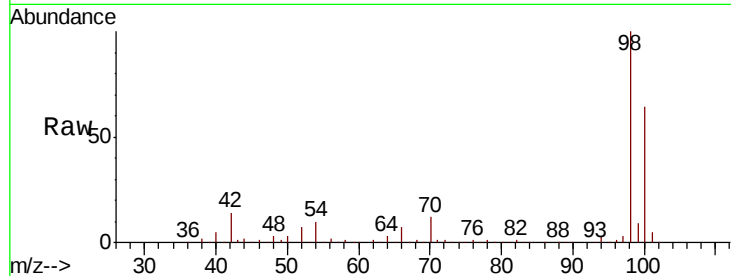
PAR-11-E3-(0)

Tgt Ion: 98 Resp: 891244

Ion Ratio Lower Upper

98 100

100 64.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.09

500000

400000

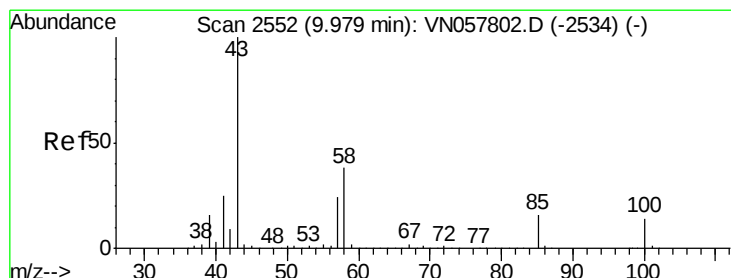
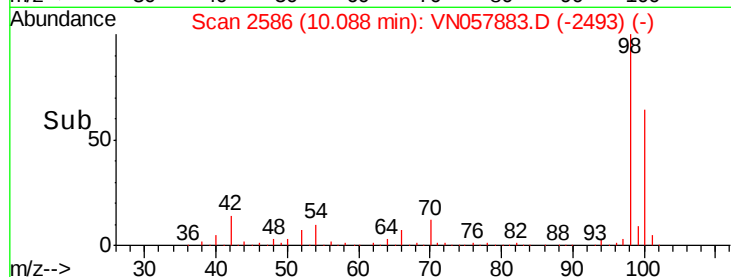
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.776 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057883.D

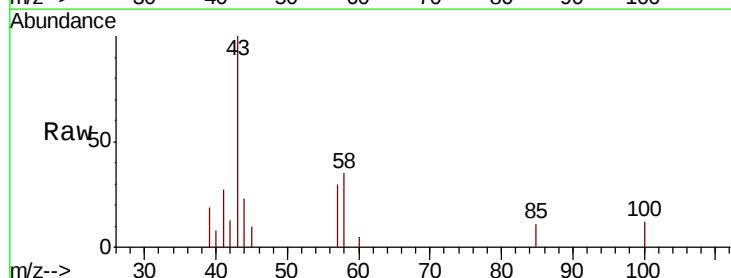
Acq: 10 Sep 2019 22:55

Tgt Ion: 43 Resp: 4511

Ion Ratio Lower Upper

43 100

58 53.6 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) (-)

9.98

25000

20000

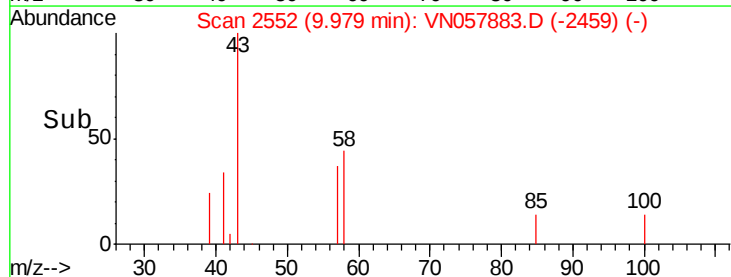
15000

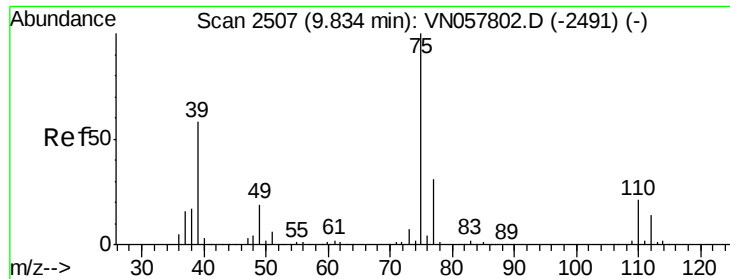
10000

5000

0

Time-->

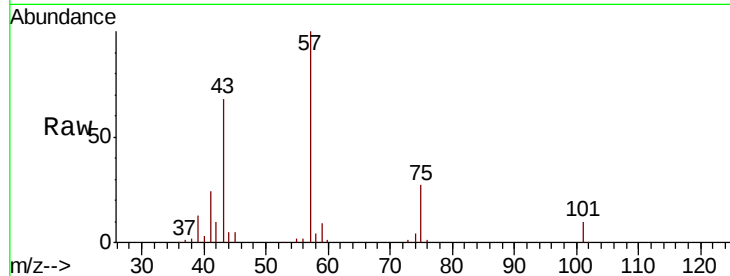




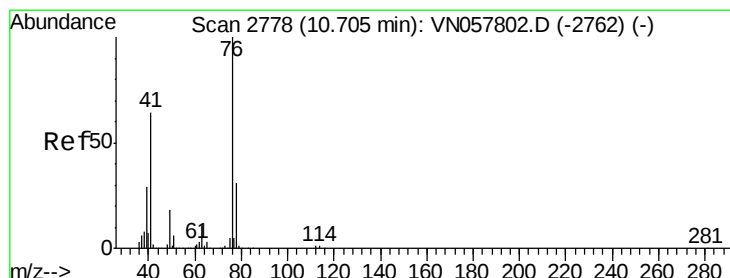
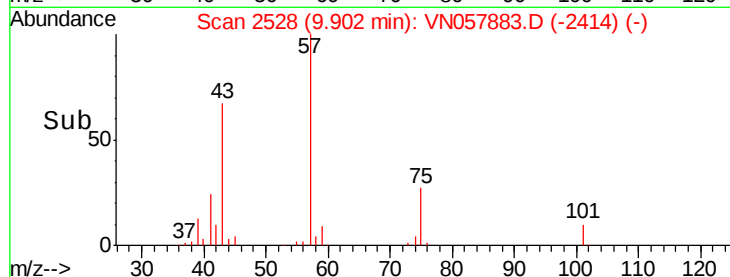
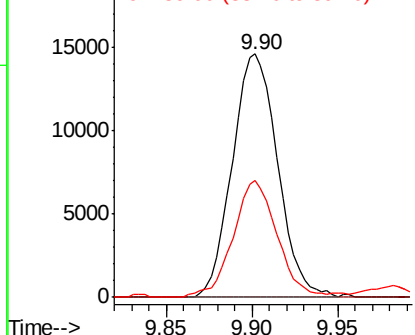
#54
 cis-1,3-Dichloropropene
 Concen: 3.854 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057883.D
 Acq: 10 Sep 2019 22:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PAR-11-E3-(0)

Tgt Ion: 75 Resp: 26786
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.8 37.2#
 39 46.5 46.2 69.4

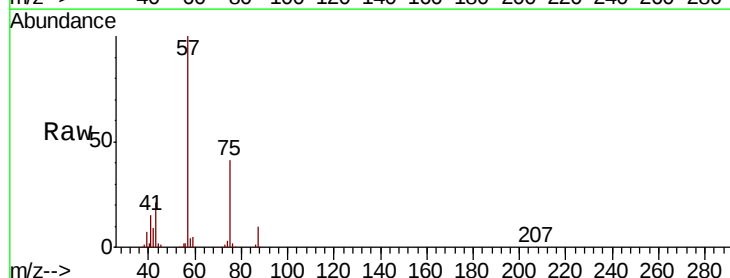


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0

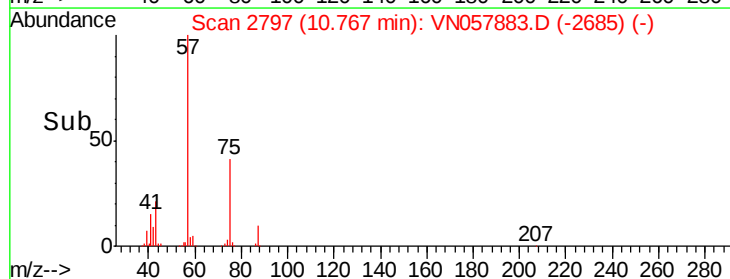
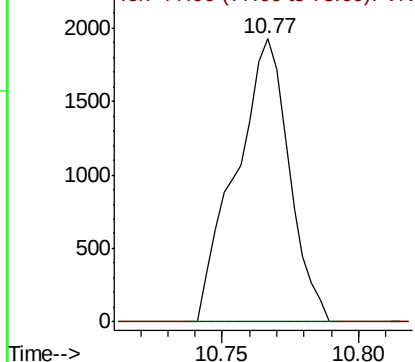


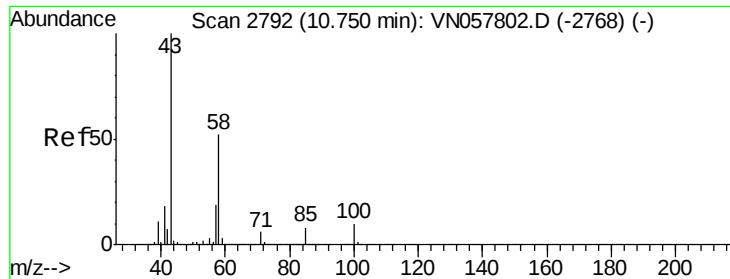
#57
 1,3-Dichloropropane
 Concen: 0.334 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.06 min
 Lab File: VN057883.D
 Acq: 10 Sep 2019 22:55

Tgt Ion: 76 Resp: 2611
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

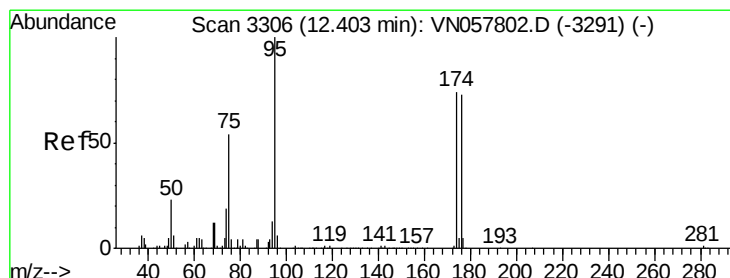
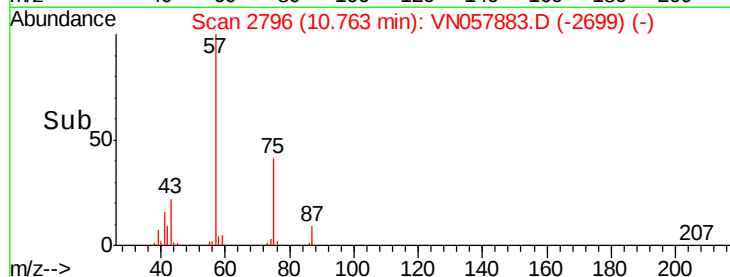
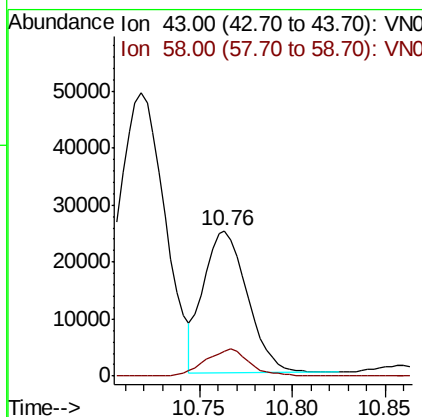
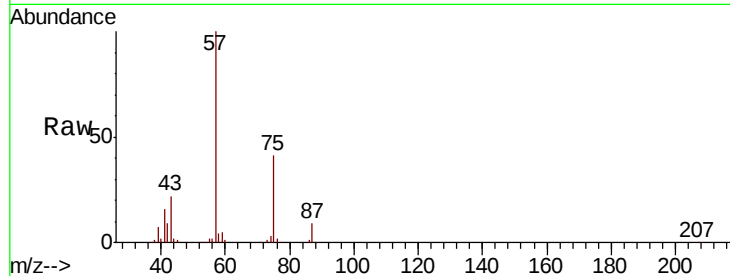




#59
2-Hexanone
Concen: 9.330 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

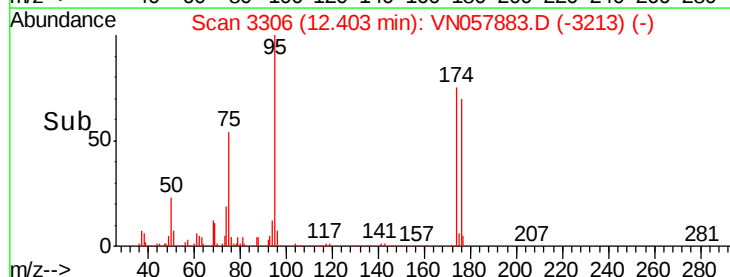
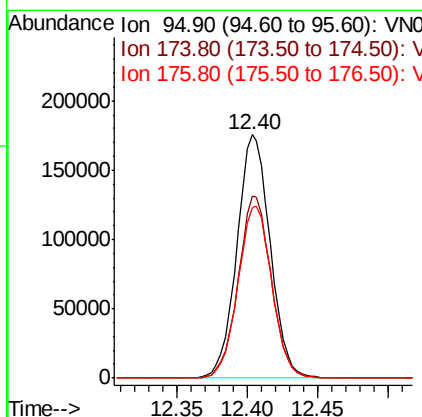
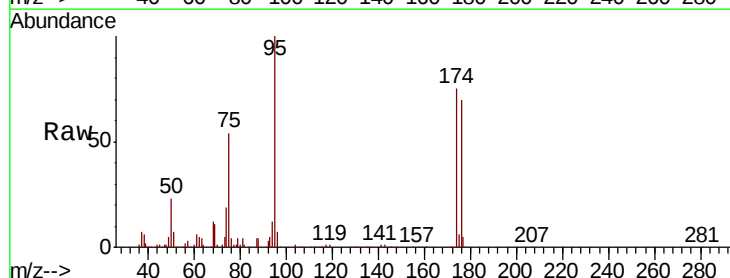
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E3-(0)

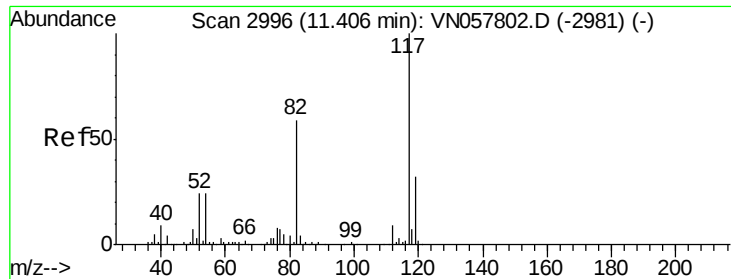
Tgt Ion: 43 Resp: 40654
Ion Ratio Lower Upper
43 100
58 19.7 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 43.609 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

Tgt Ion: 95 Resp: 290347
Ion Ratio Lower Upper
95 100
174 74.2 0.0 150.2
176 71.9 0.0 146.0

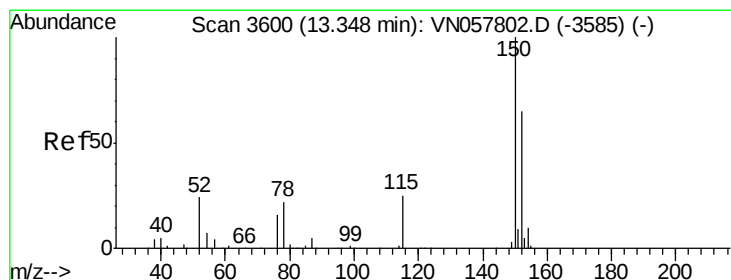
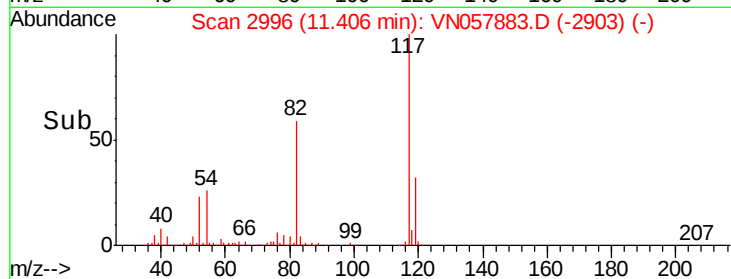
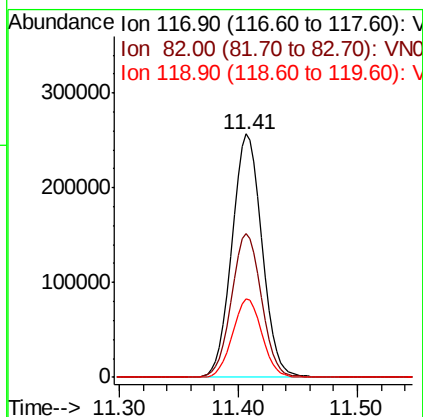
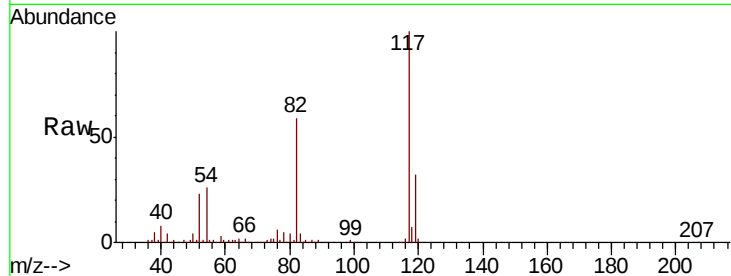




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

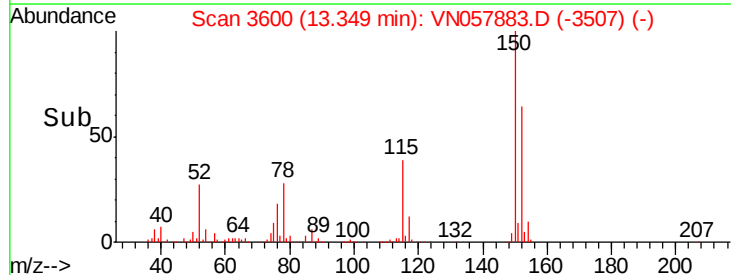
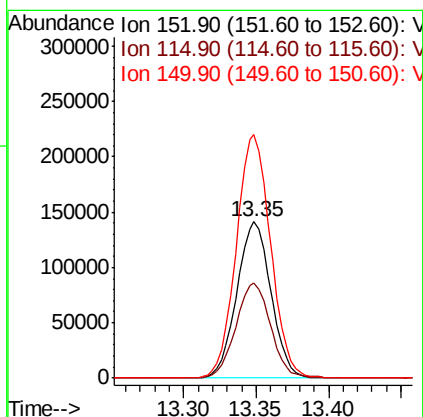
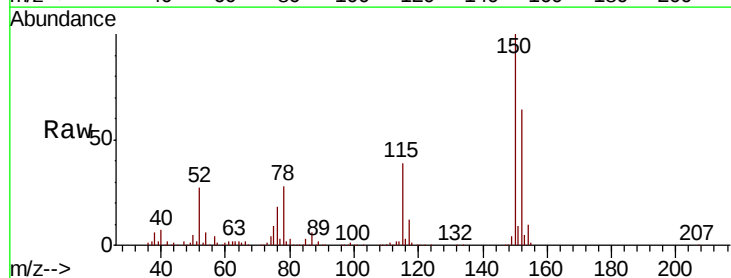
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E3-(0)

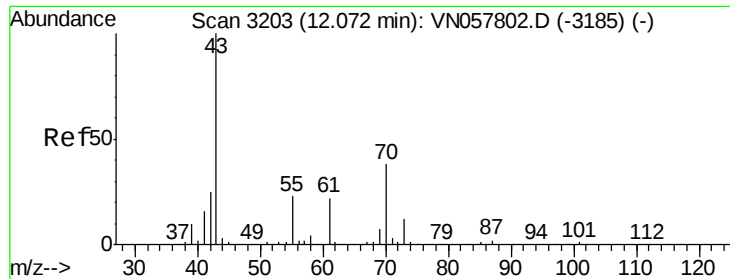
Tgt Ion:117 Resp: 449435
Ion Ratio Lower Upper
117 100
82 59.0 47.2 70.8
119 32.4 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

Tgt Ion:152 Resp: 232105
Ion Ratio Lower Upper
152 100
115 61.3 30.3 91.0
150 155.7 0.0 352.4

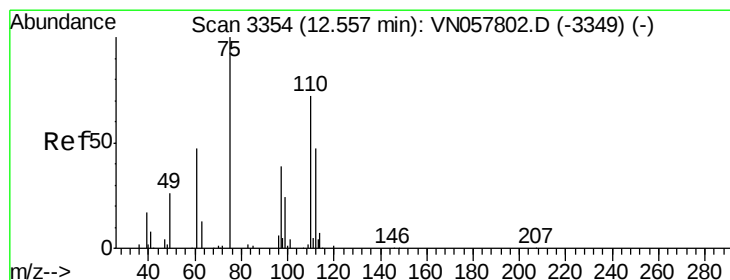
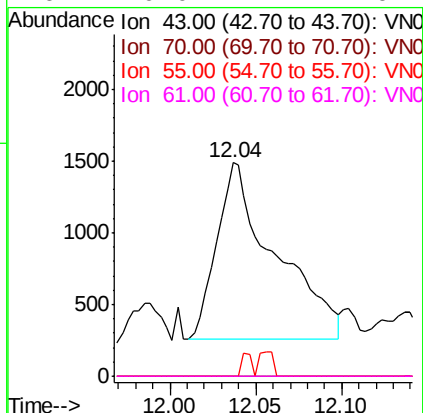
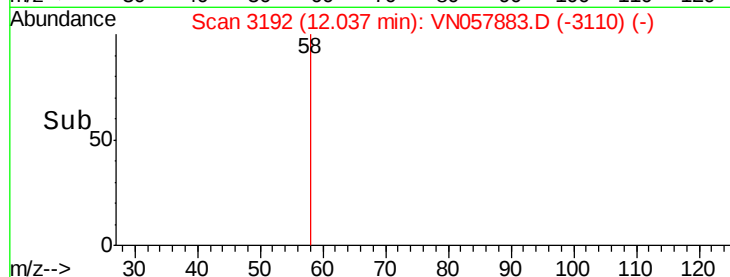
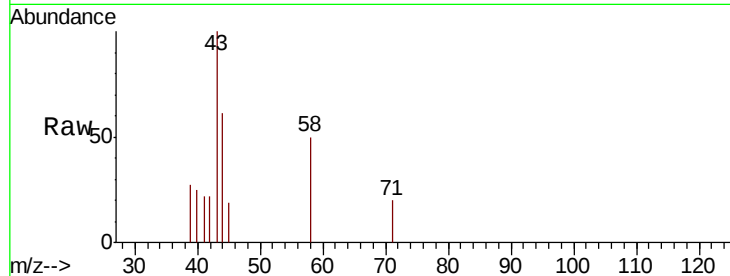




#74
N-ethyl acetate
Concen: 0.369 ug/l
RT: 12.04 min Scan# 3192
Delta R.T. -0.04 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

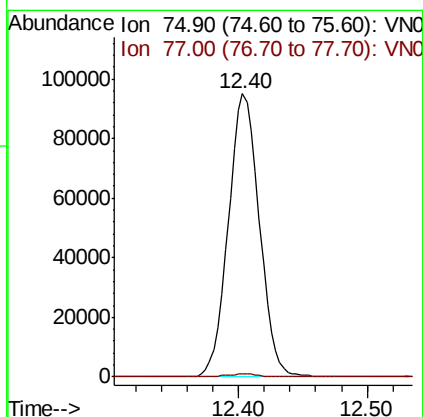
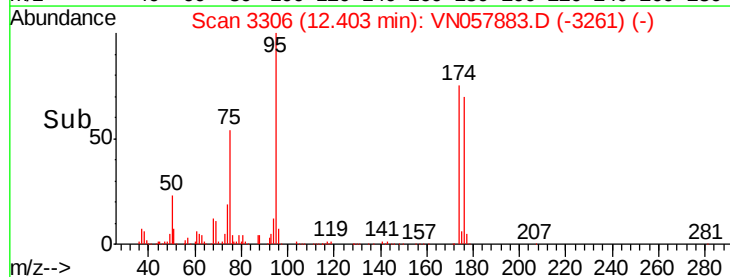
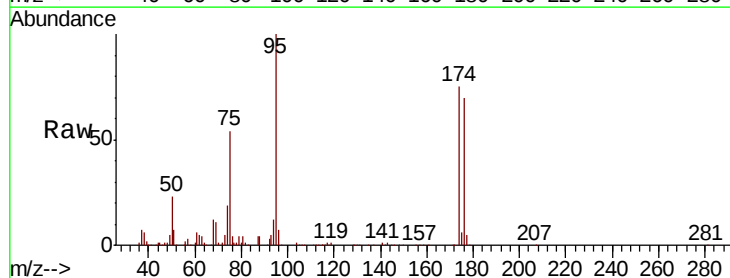
Instrument :
MSVOA_N
ClientSampleId :
PAR-11-E3-(0)

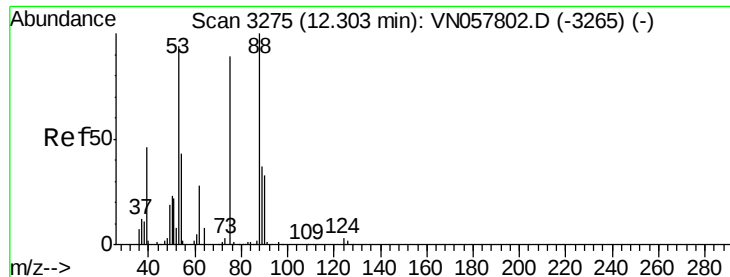
Tgt Ion: 43 Resp: 2895
Ion Ratio Lower Upper
43 100
70 0.0 30.6 45.8#
55 2.1 18.6 27.8#
61 0.0 17.4 26.2#



#76
1,2,3-Trichloropropane
Concen: 30.223 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN057883.D
Acq: 10 Sep 2019 22:55

Tgt Ion: 75 Resp: 158689
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 106.355 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057883.D

Acq: 10 Sep 2019 22:55

Instrument :

MSVOA_N

ClientSampleId :

PAR-11-E3-(0)

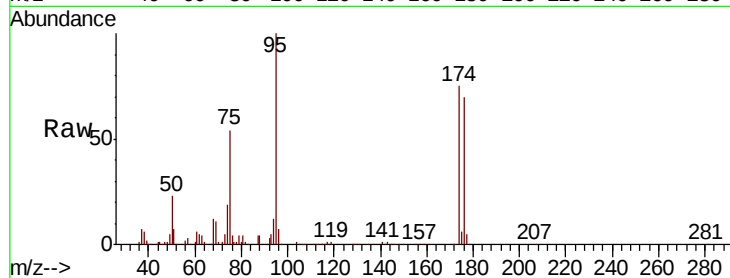
Tgt Ion: 75 Resp: 158689

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

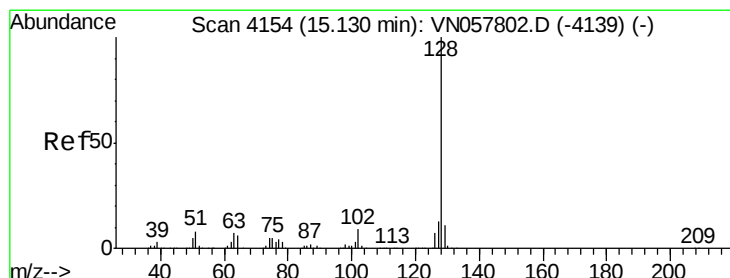
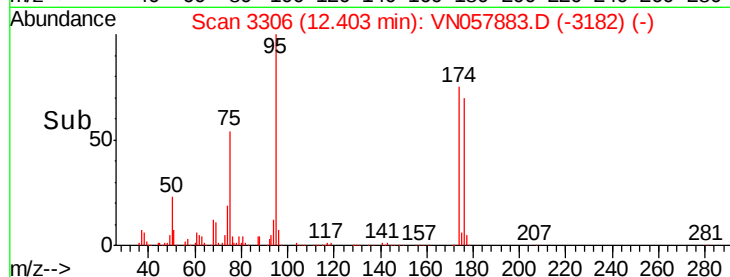
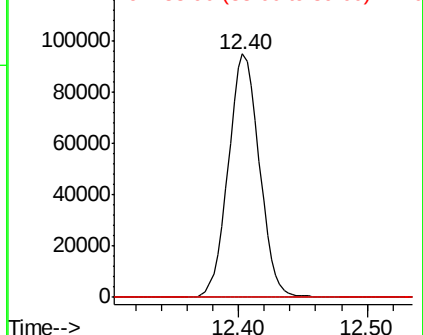
89 0.0 35.3 52.9#



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: VN057883.D

Acq: 10 Sep 2019 22:55

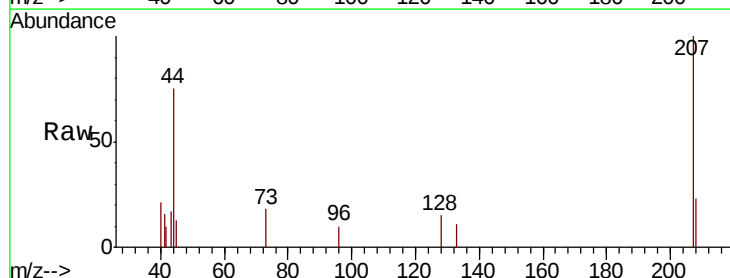
Tgt Ion: 128 Resp: 284

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

