

Data File : VY002449.D
Acq On : 21 Apr 2020 21:16
Operator : SY/MD
Sample : L2304-15RE
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC-F2-VOARE

Quant Time: Apr 22 02:39:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042020S.M
Quant Title : SW846 8260
QLast Update : Mon Apr 20 15:14:11 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	209857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	328257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	295428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	144417	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	81529	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
35) Dibromofluoromethane	7.74	113	62221	36.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.08%	
50) Toluene-d8	10.19	98	381380	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
62) 4-Bromofluorobenzene	12.49	95	120828	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	

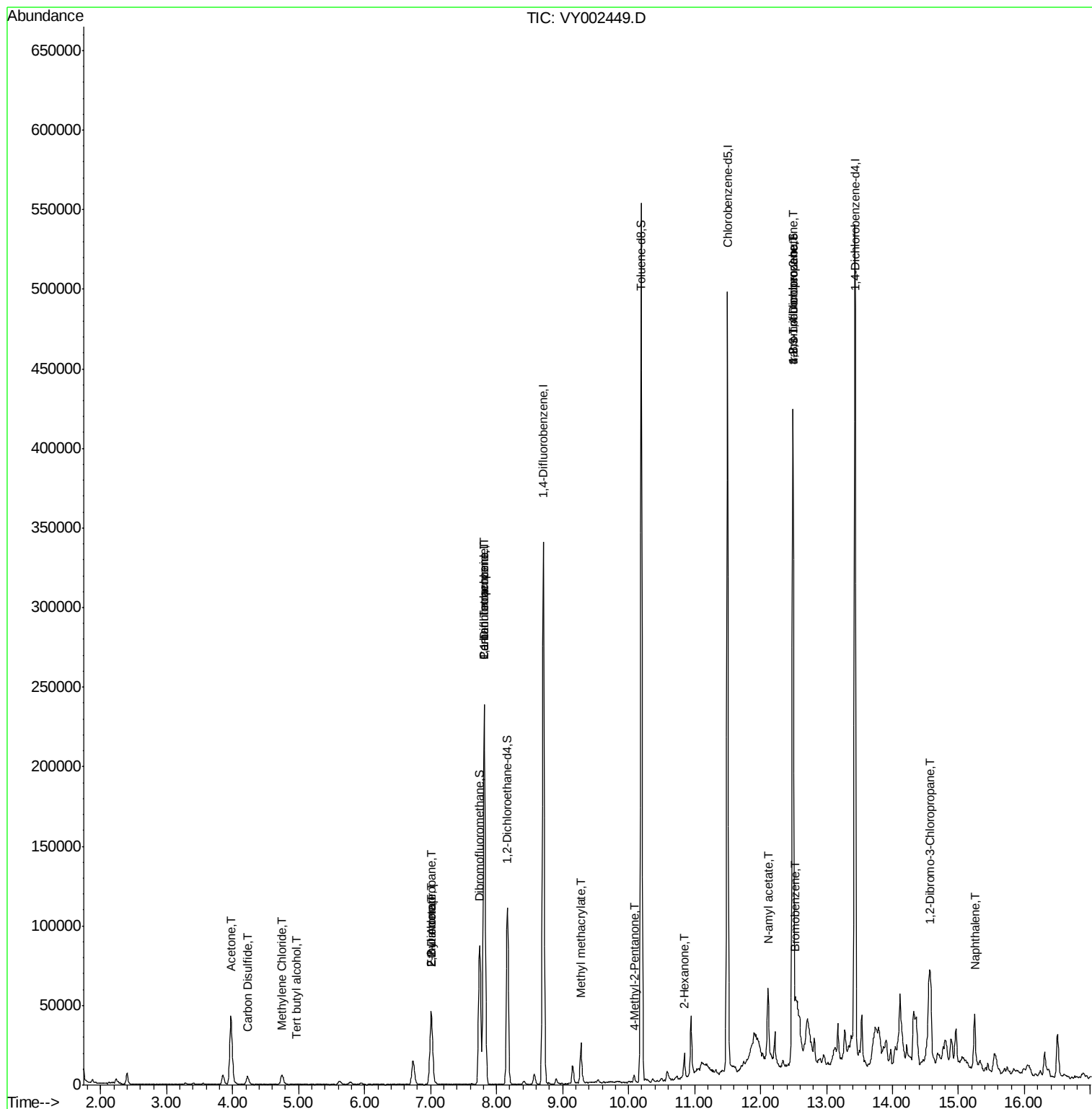
Target Compounds				Qvalue		
11) Tert butyl alcohol	4.97	59	530	2.906	ug/l #	74
16) Acetone	3.97	43	72130	176.841	ug/l	98
17) Carbon Disulfide	4.22	76	6679	1.100	ug/l	99
20) Methylene Chloride	4.75	84	5477	2.400	ug/l	86
25) 2-Butanone	7.01	43	18211	31.322	ug/l	91
26) 2,2-Dichloropropane	7.01	77	2742	1.005	ug/l #	48
36) 1,1-Dichloropropene	7.81	75	12256	4.640	ug/l #	46
37) Ethyl Acetate	7.01	43	18211	14.744	ug/l #	69
38) Carbon Tetrachloride	7.81	117	17263	6.489	ug/l #	16
48) Methyl methacrylate	9.28	41	5757	5.567	ug/l #	34
51) 4-Methyl-2-Pentanone	10.08	43	2990	2.486	ug/l	98
59) 2-Hexanone	10.85	43	9312	10.907	ug/l	98
74) N-amyl acetate	12.11	43	24915	12.026	ug/l #	44
76) 1,2,3-Trichloropropane	12.49	75	57184	44.946	ug/l #	100
77) Bromobenzene	12.53	156	60934	25.519	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	57184	87.596	ug/l #	20
92) 1,2-Dibromo-3-Chloropropan	14.56	75	3544	13.306	ug/l #	4
95) Naphthalene	15.25	128	26110	4.625	ug/l	96

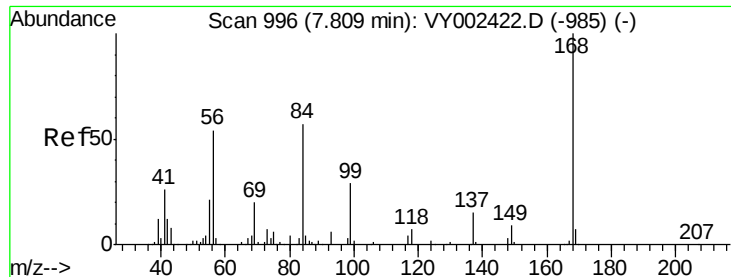
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002449.D

Acq: 21 Apr 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

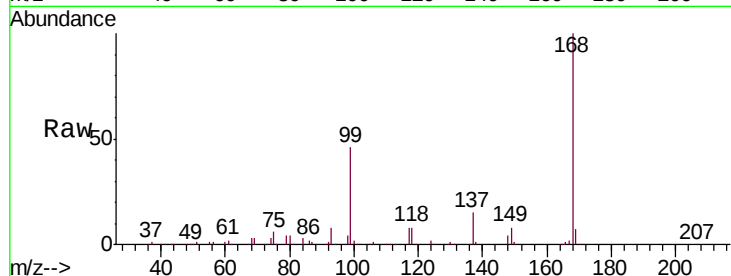
WC-F2-VOARE

Tgt Ion:168 Resp: 209857

Ion Ratio Lower Upper

168 100

99 45.8 37.0 55.4



Abundance Ion 167.90 (167.60 to 168.60): VY002422.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002422.D (-985) (-)

7.82

100000

80000

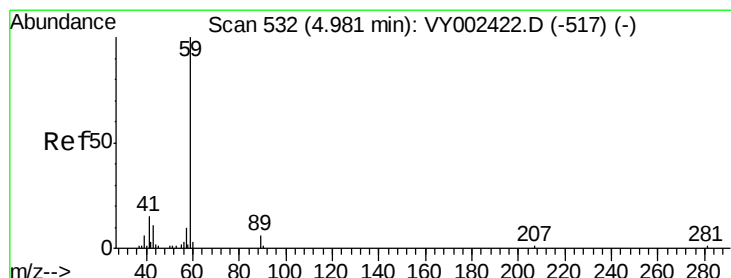
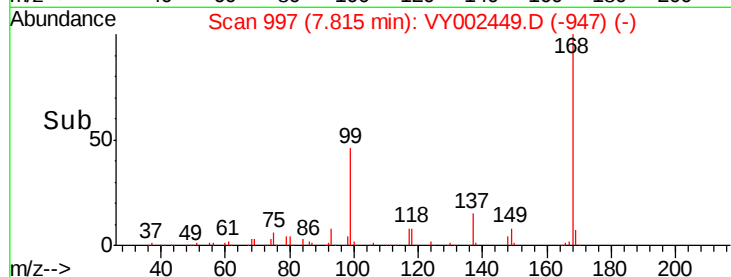
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.906 ug/l

RT: 4.97 min Scan# 531

Delta R.T. -0.01 min

Lab File: VY002449.D

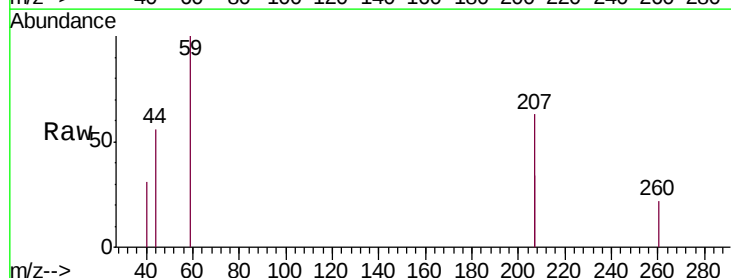
Acq: 21 Apr 2020 21:16

Tgt Ion: 59 Resp: 530

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY002422.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY002422.D (-517) (-)

4.97

300

250

200

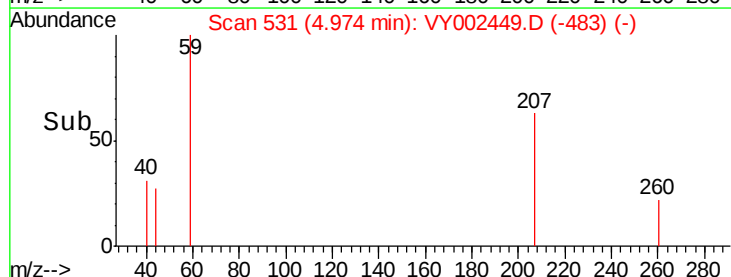
150

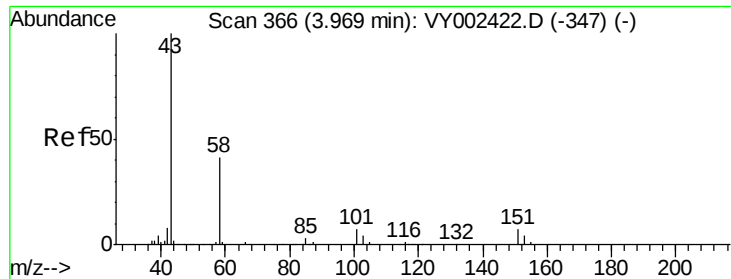
100

50

0

Time-->





#16

Acetone

Concen: 176.841 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002449.D

Acq: 21 Apr 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

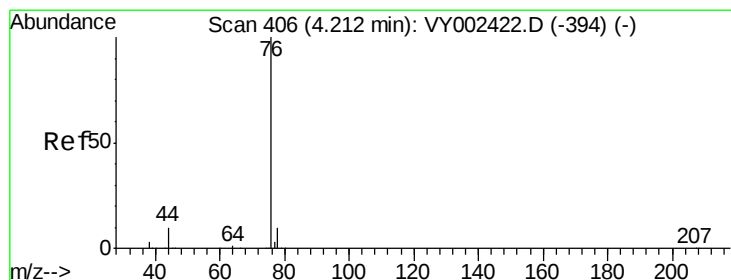
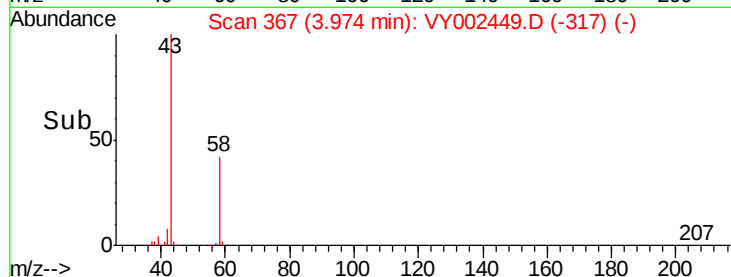
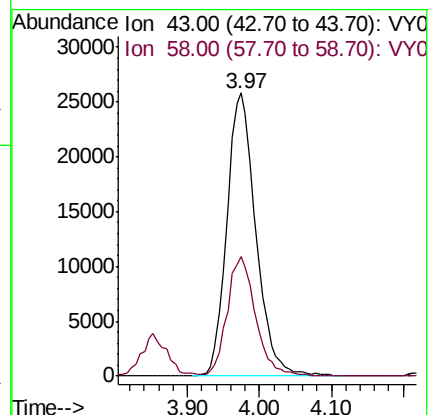
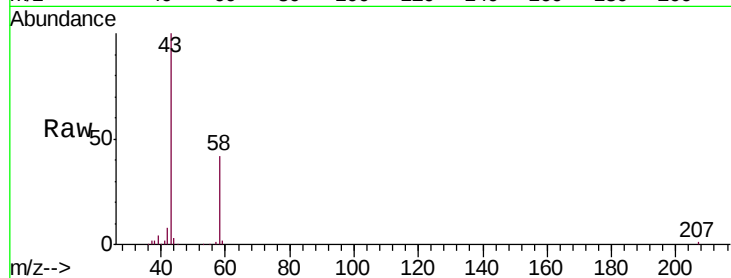
WC-F2-VOARE

Tgt Ion: 43 Resp: 72130

Ion Ratio Lower Upper

43 100

58 42.0 32.6 48.8



#17

Carbon Disulfide

Concen: 1.100 ug/l

RT: 4.22 min Scan# 407

Delta R.T. 0.01 min

Lab File: VY002449.D

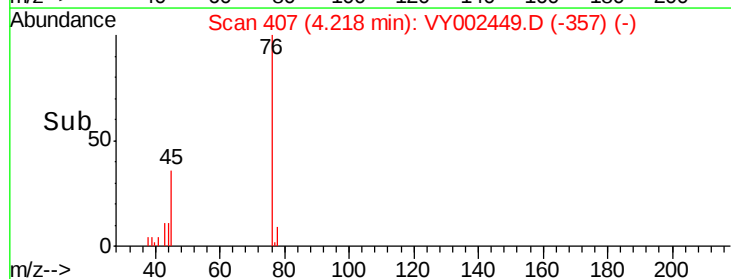
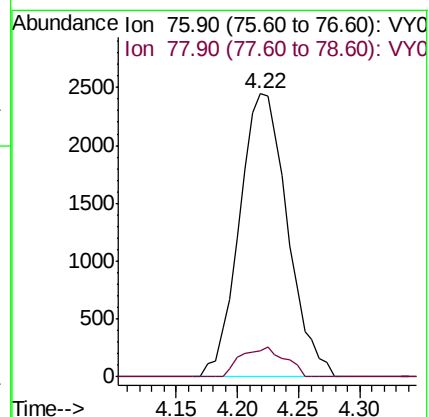
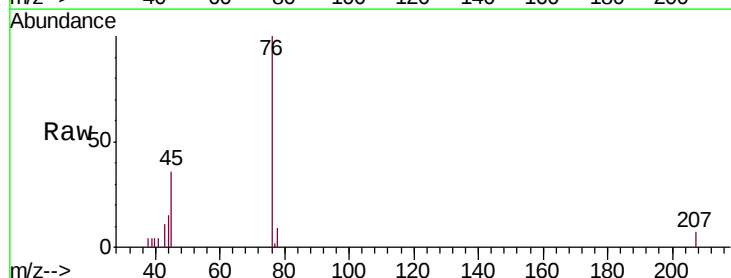
Acq: 21 Apr 2020 21:16

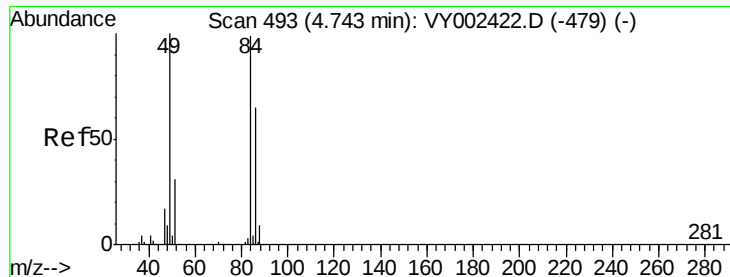
Tgt Ion: 76 Resp: 6679

Ion Ratio Lower Upper

76 100

78 9.2 7.8 11.6

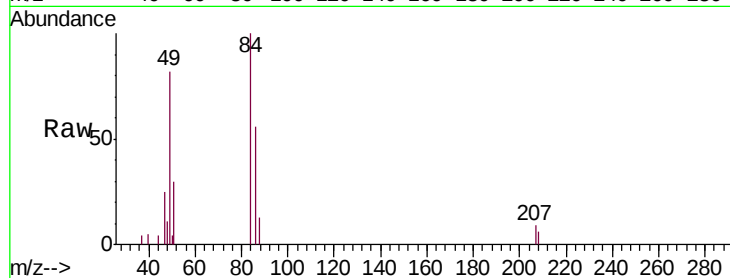




#20
Methylene Chloride
Concen: 2.400 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
WC-F2-VOARE

Tgt Ion:	84	Resp:	5477
Ion	Ratio	Lower	Upper
84	100		
49	82.4	81.0	121.6
51	29.7	24.9	37.3
86	56.4	52.7	79.1



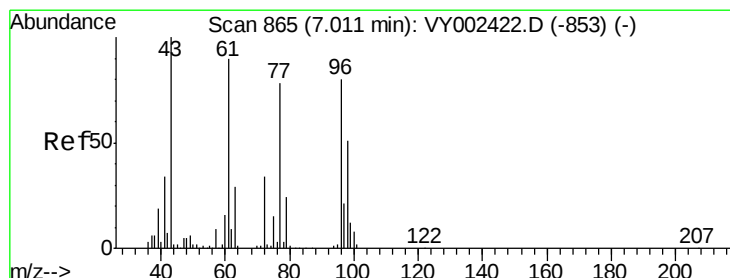
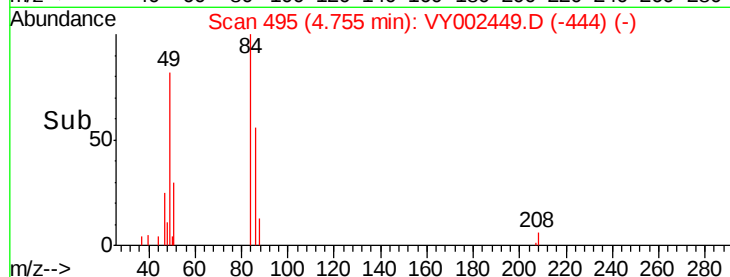
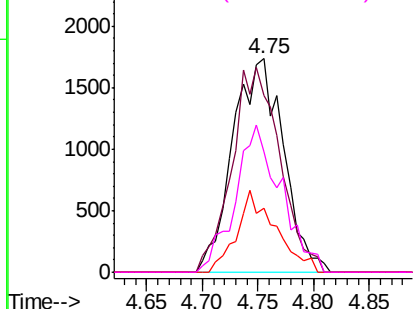
Abundance

Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

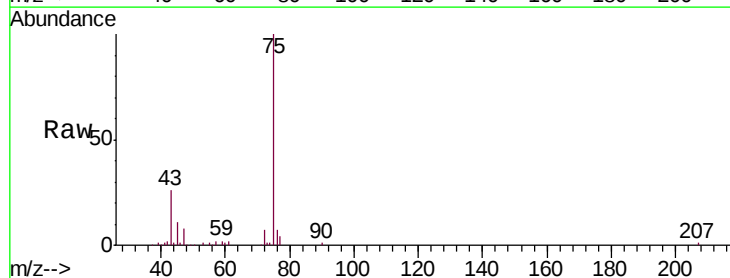
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#25
2-Butanone
Concen: 31.322 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.00 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

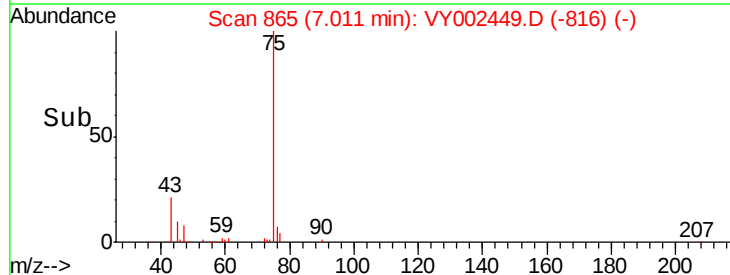
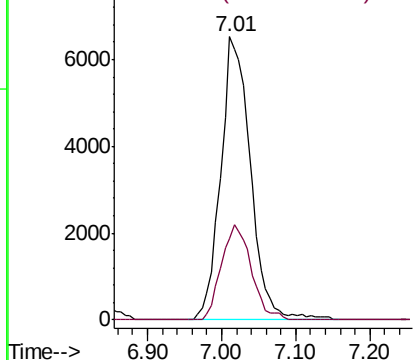
Tgt Ion:	43	Resp:	18211
Ion	Ratio	Lower	Upper
43	100		
72	28.8	27.0	40.6

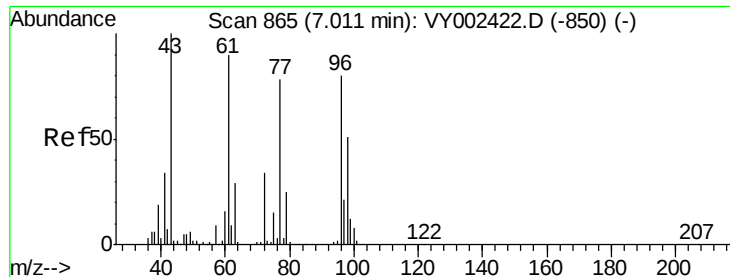


Abundance

Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

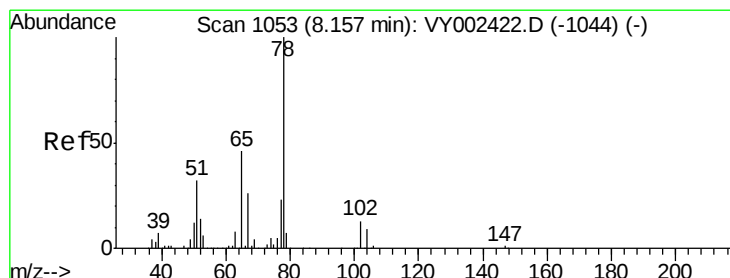
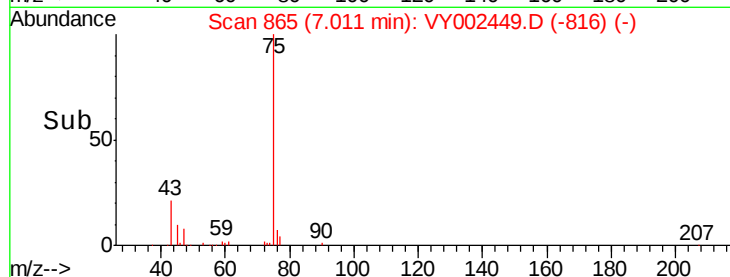
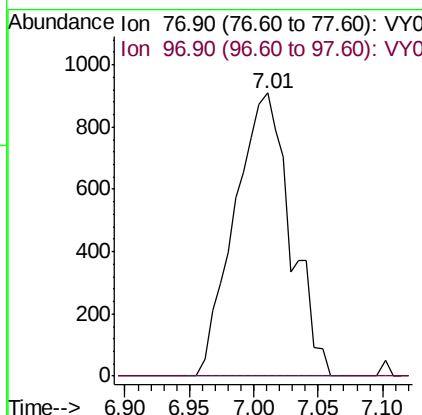
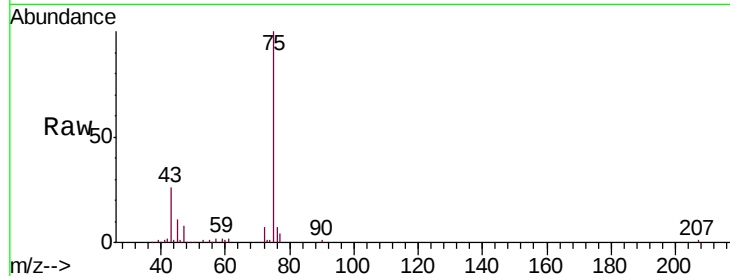




#26
 2,2-Dichloropropane
 Concen: 1.005 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

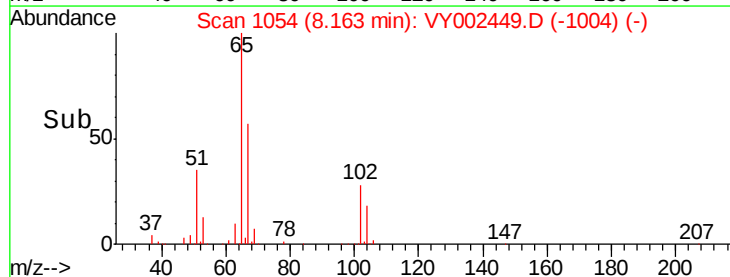
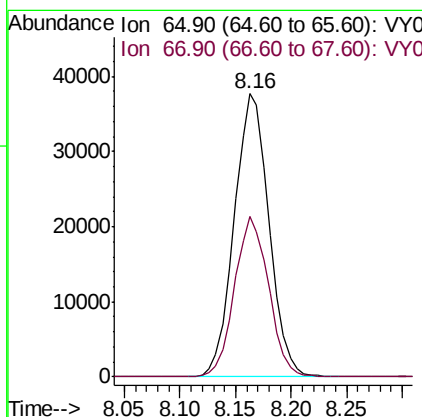
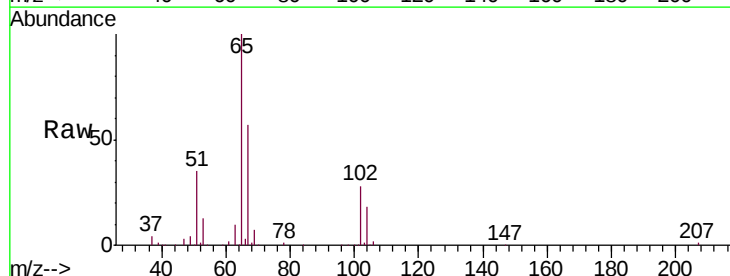
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-F2-VOARE

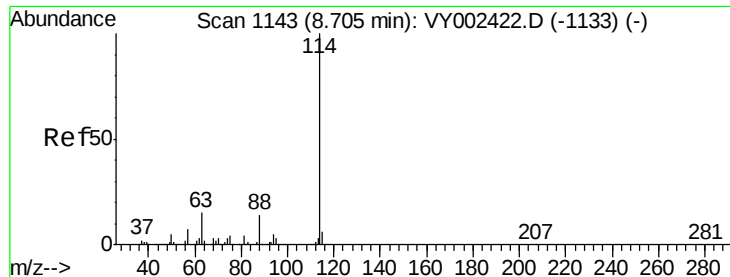
Tgt Ion: 77 Resp: 2742
 Ion Ratio Lower Upper
 77 100
 97 0.0 13.5 40.5#



#33
 1,2-Dichloroethane-d4
 Concen: 53.416 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

Tgt Ion: 65 Resp: 81529
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0

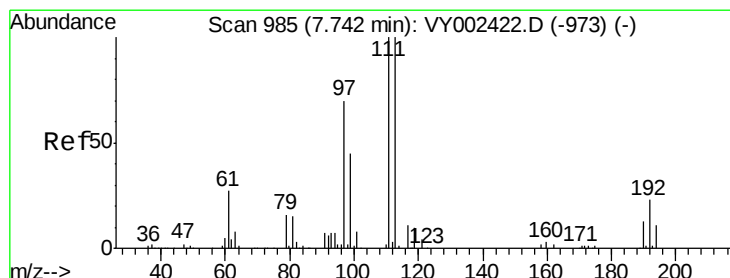
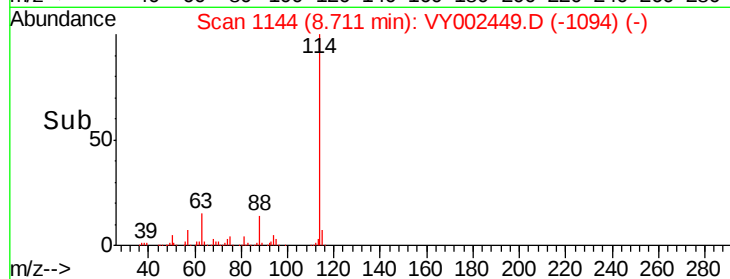
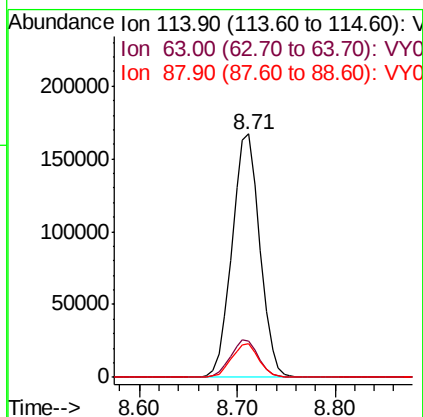
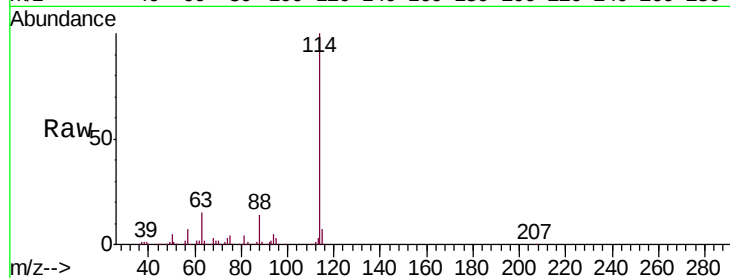




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

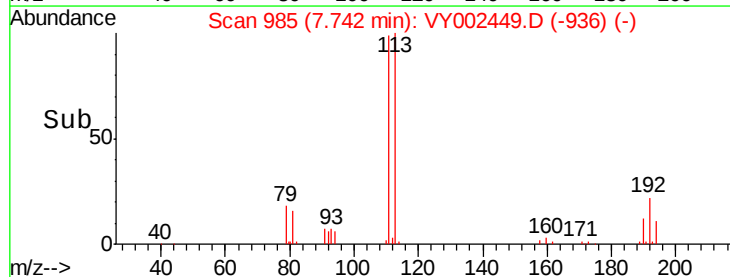
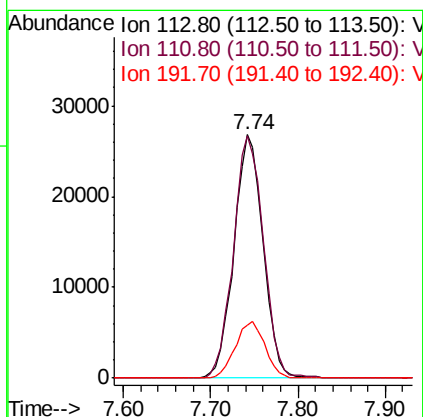
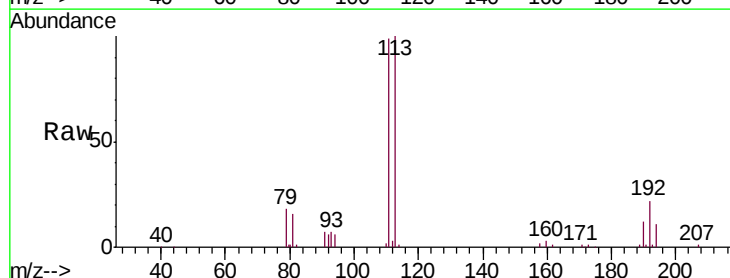
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-F2-VOARE

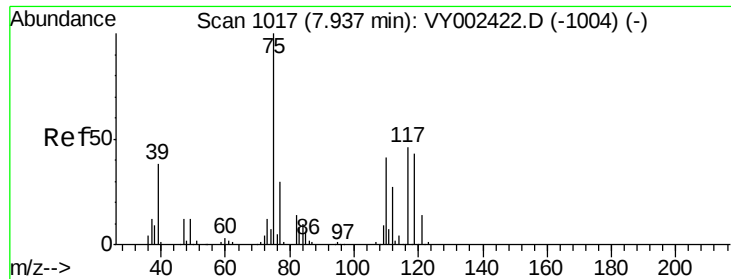
Tgt Ion:114 Resp: 328257
 Ion Ratio Lower Upper
 114 100
 63 15.1 0.0 31.0
 88 13.8 0.0 28.2



#35
 Dibromofluoromethane
 Concen: 36.037 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

Tgt Ion:113 Resp: 62221
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 23.6 17.8 26.6

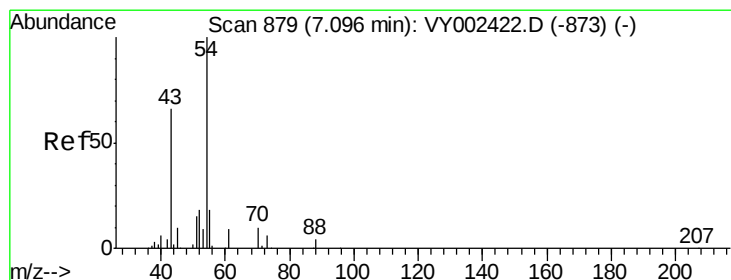
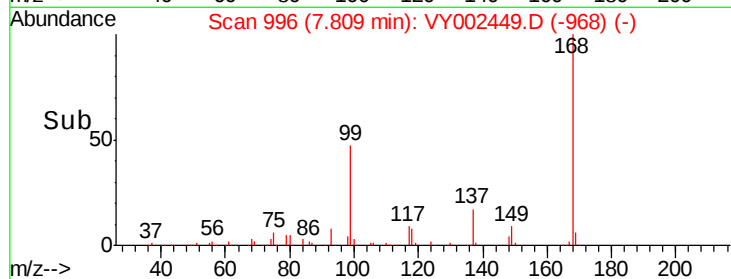
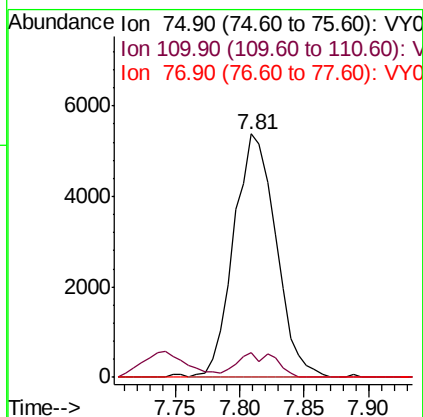
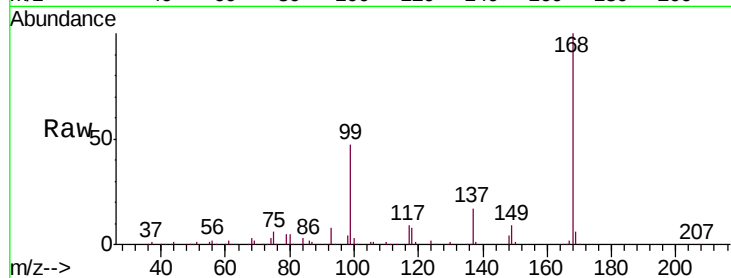




#36
 1,1-Dichloropropene
 Concen: 4.640 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

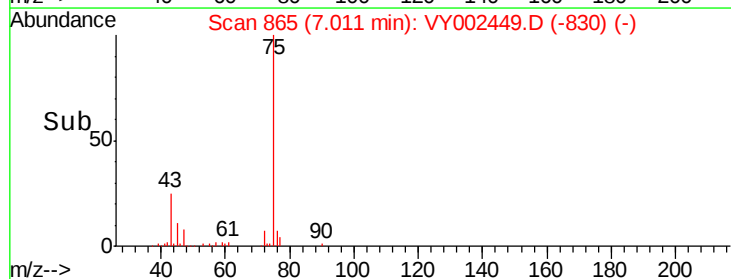
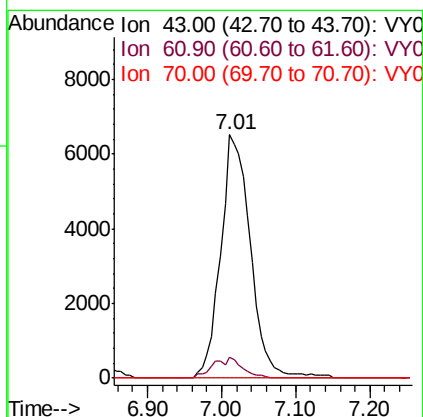
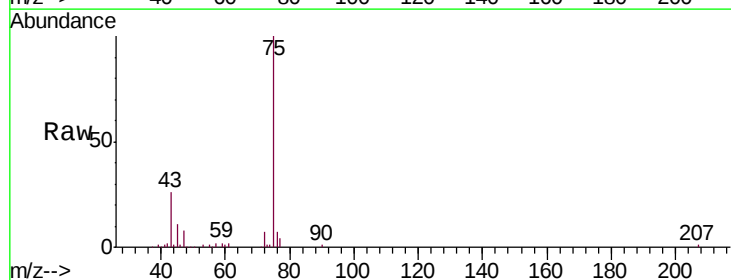
Instrument :
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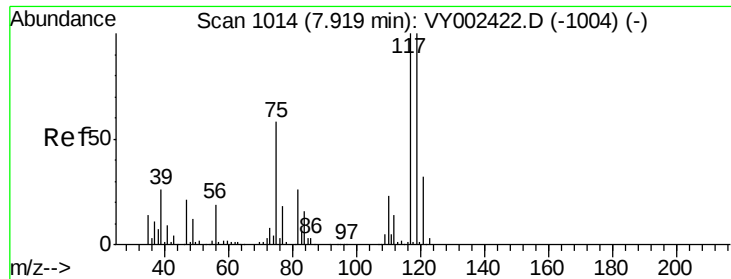
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	20.4	61.2#
77	0.0	25.5	38.3#



#37
 Ethyl Acetate
 Concen: 14.744 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.09 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

Tgt Ion	Ratio	Lower	Upper
43	100		
61	4.0	13.5	20.3#
70	0.0	10.6	16.0#





#38

Carbon Tetrachloride

Concen: 6.489 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY002449.D

Acq: 21 Apr 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

WC-F2-VOARE

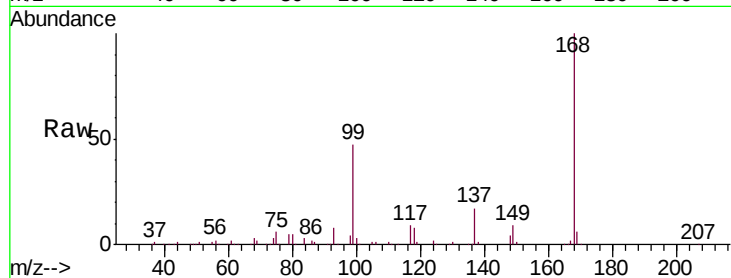
Tgt Ion:117 Resp: 17263

Ion Ratio Lower Upper

117 100

119 6.7 79.6 119.4#

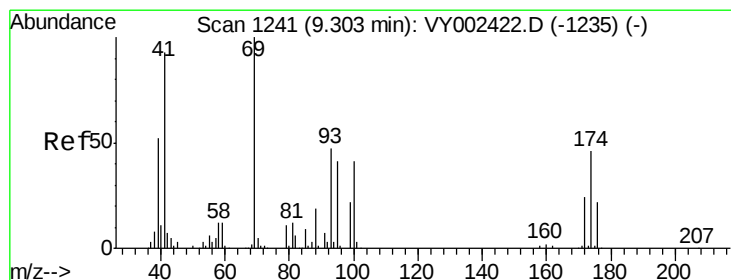
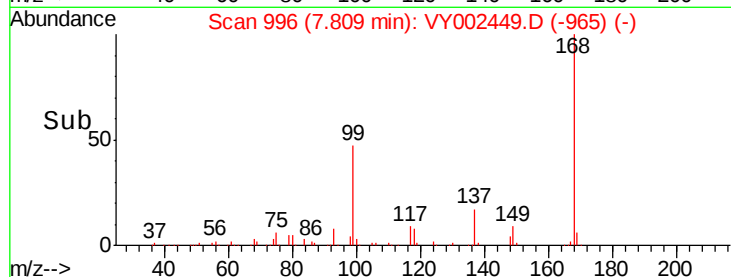
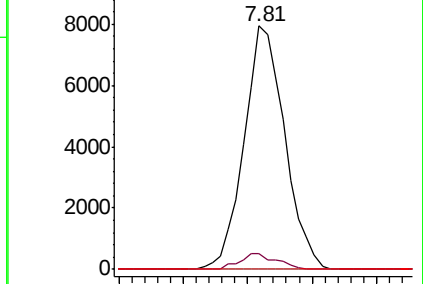
121 0.0 25.4 38.2#



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



#48

Methyl methacrylate

Concen: 5.567 ug/l

RT: 9.28 min Scan# 1237

Delta R.T. -0.02 min

Lab File: VY002449.D

Acq: 21 Apr 2020 21:16

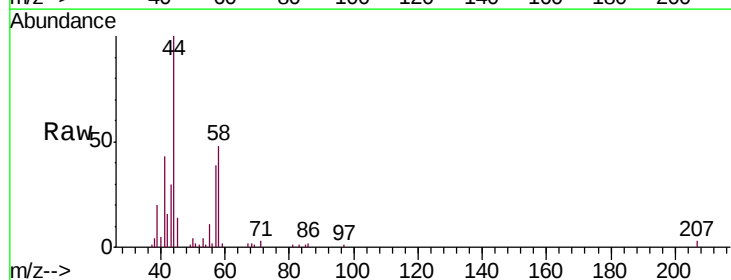
Tgt Ion: 41 Resp: 5757

Ion Ratio Lower Upper

41 100

69 5.4 87.9 131.9#

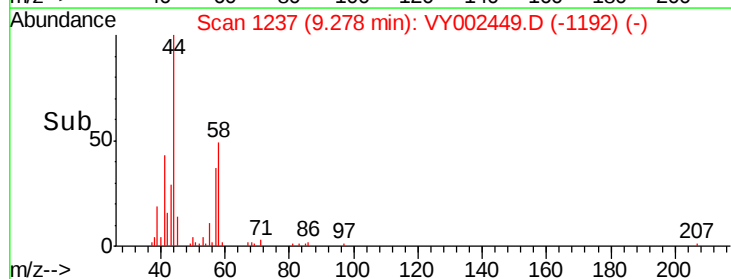
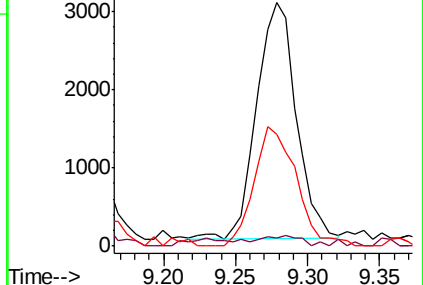
39 53.9 43.5 65.3

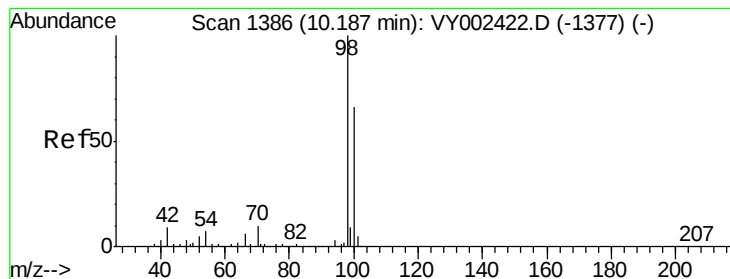


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#50

Toluene-d8

Concen: 54.613 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002449.D

Acq: 21 Apr 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

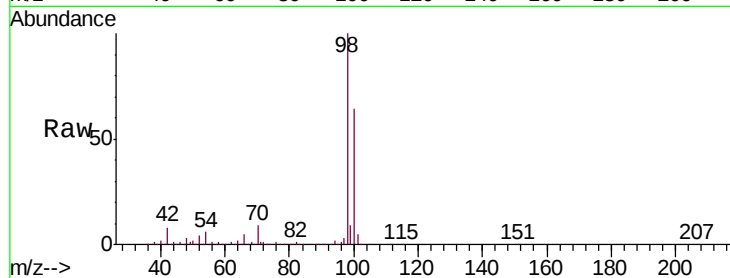
WC-F2-VOARE

Tgt Ion: 98 Resp: 381380

Ion Ratio Lower Upper

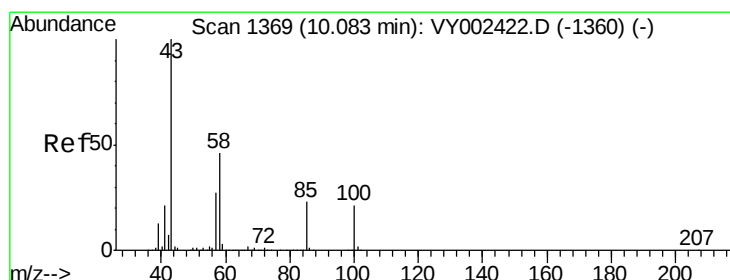
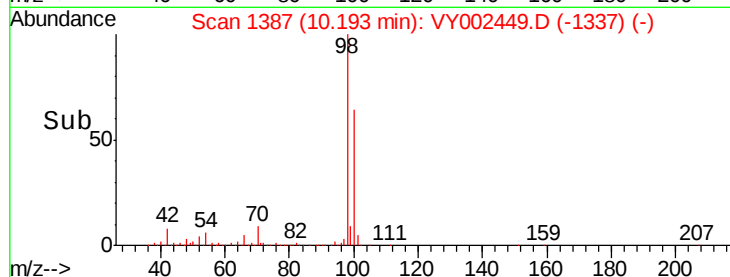
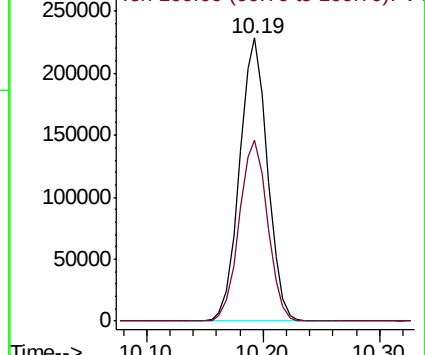
98 100

100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#51

4-Methyl-2-Pentanone

Concen: 2.486 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VY002449.D

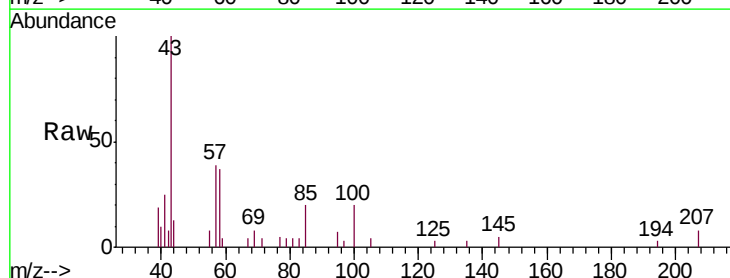
Acq: 21 Apr 2020 21:16

Tgt Ion: 43 Resp: 2990

Ion Ratio Lower Upper

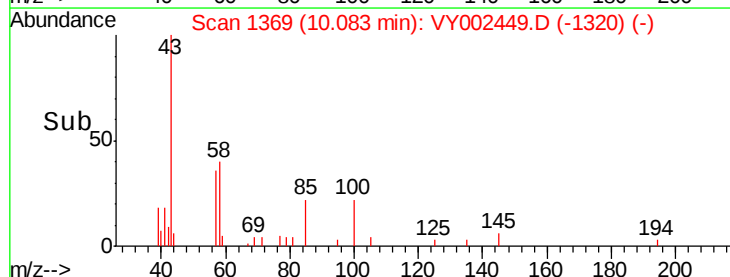
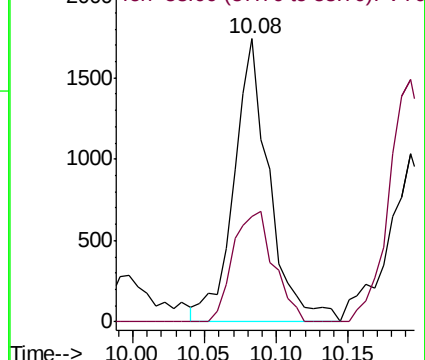
43 100

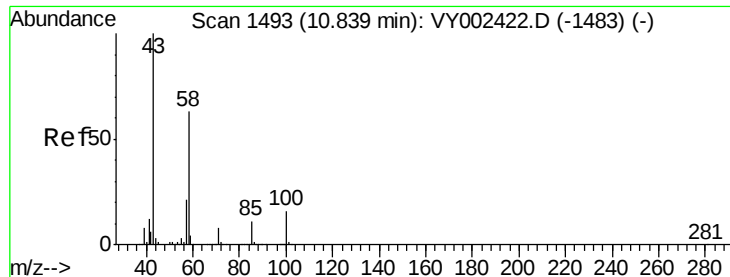
58 44.7 36.8 55.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

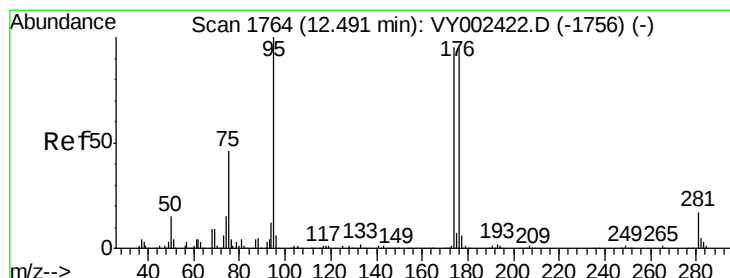
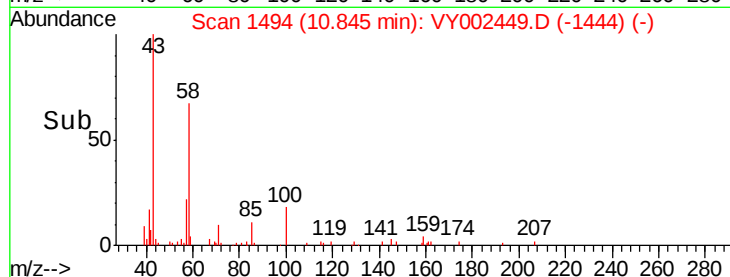
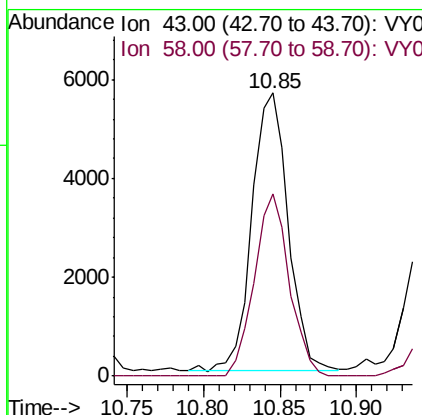
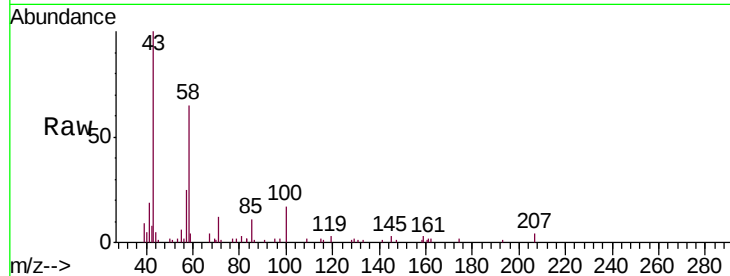




#59
2-Hexanone
Concen: 10.907 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

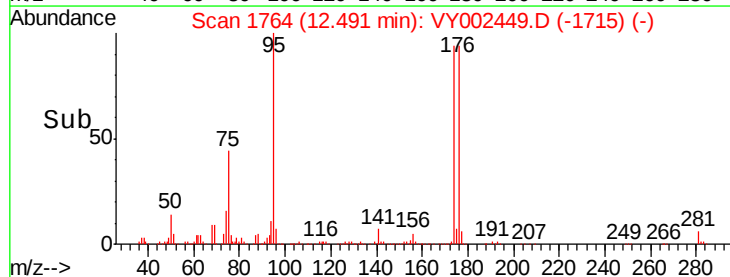
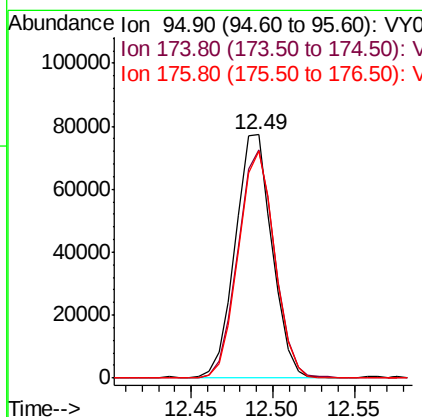
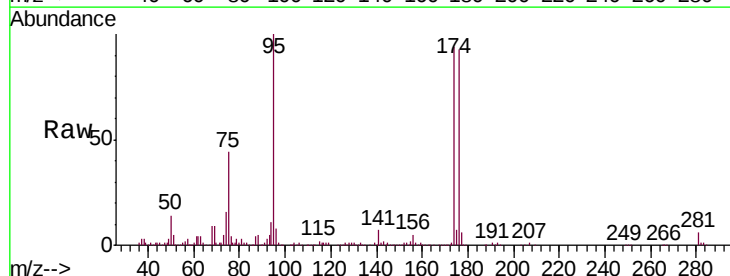
Instrument :
MSVOA_Y
ClientSampleId :
WC-F2-VOARE

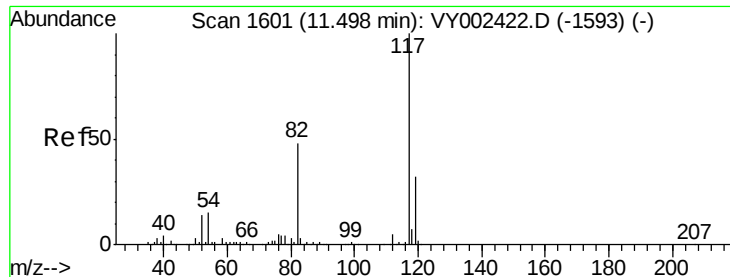
Tgt Ion: 43 Resp: 9312
Ion Ratio Lower Upper
43 100
58 63.0 32.5 97.4



#62
4-Bromofluorobenzene
Concen: 52.406 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

Tgt Ion: 95 Resp: 120828
Ion Ratio Lower Upper
95 100
174 94.3 0.0 185.8
176 92.1 0.0 181.2

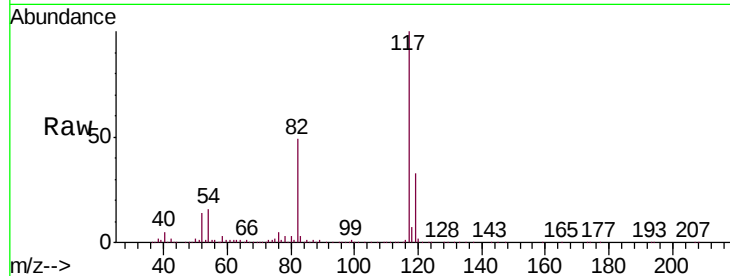




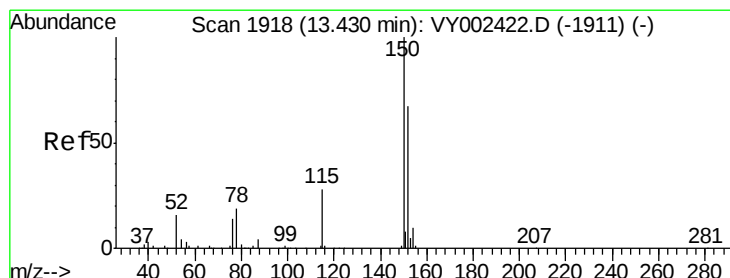
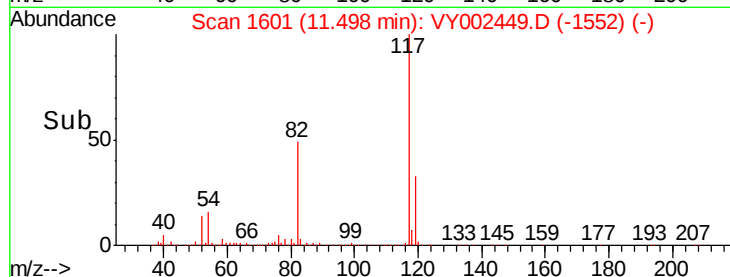
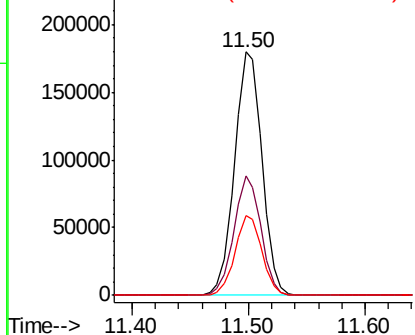
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

Instrument :
MSVOA_Y
ClientSampleId :
WC-F2-VOARE

Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.9	38.4	57.6
119	32.5	25.3	37.9

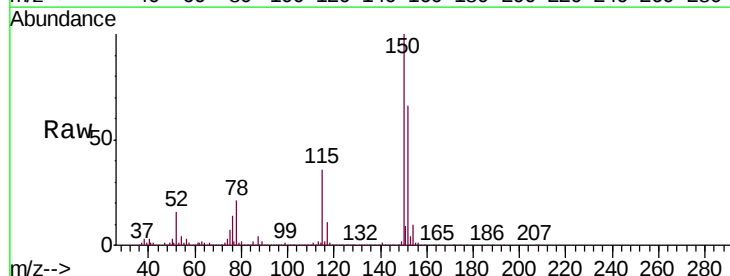


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

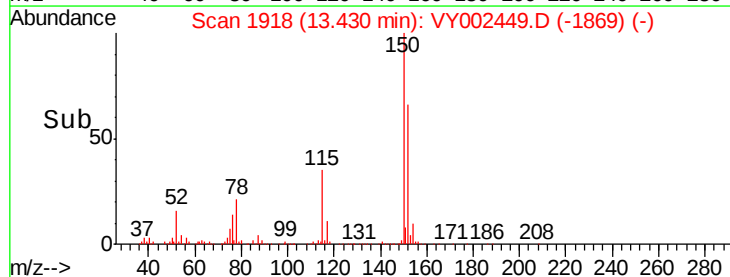
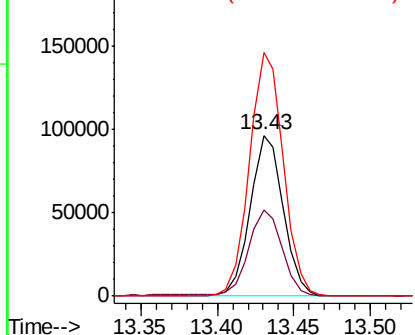


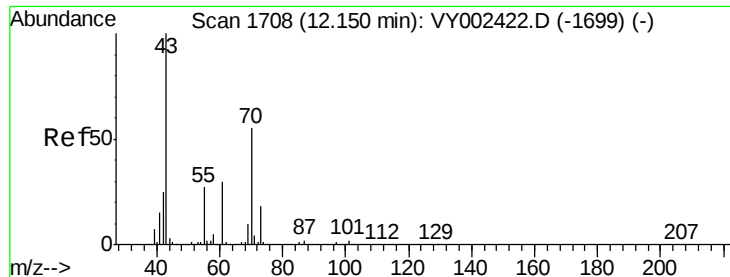
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.3	81.8
150	155.4	0.0	344.0



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

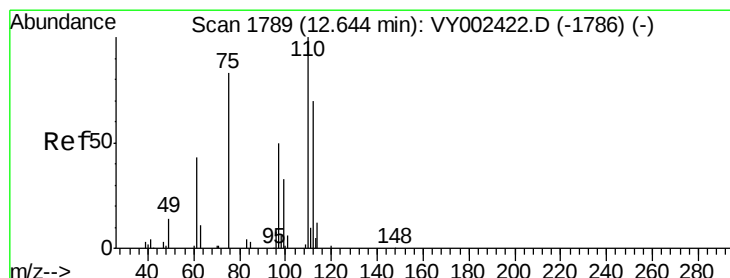
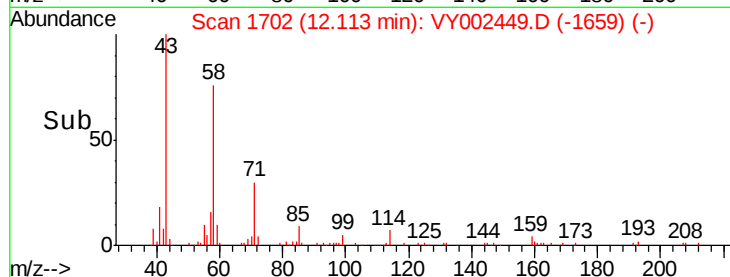
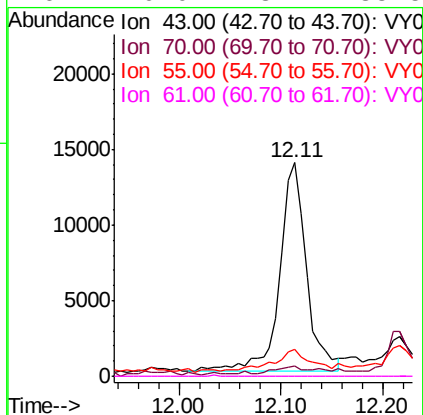
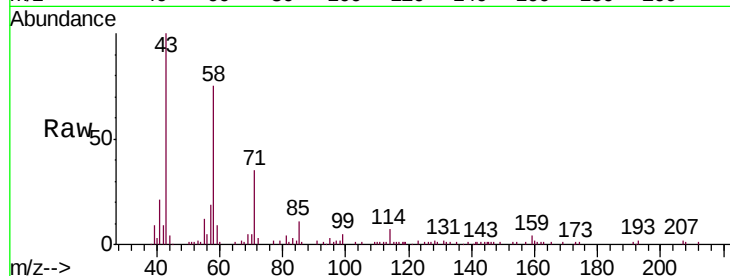




#74
N-amyI acetate
Concen: 12.026 ug/l
RT: 12.11 min Scan# 1702
Delta R.T. -0.04 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

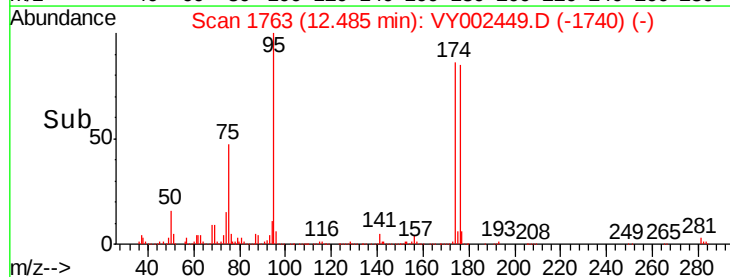
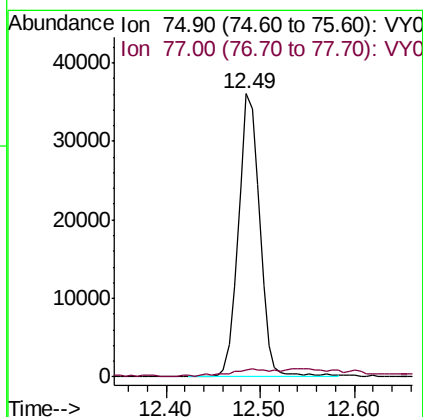
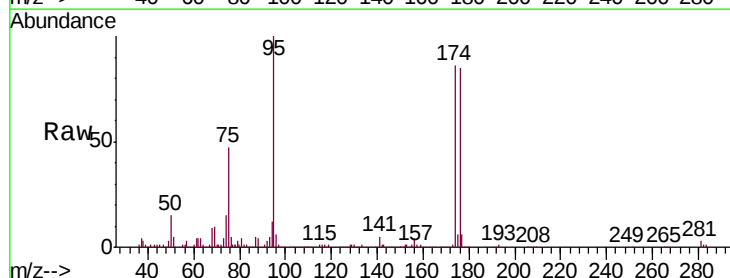
Instrument :
MSVOA_Y
ClientSampleId :
WC-F2-VOARE

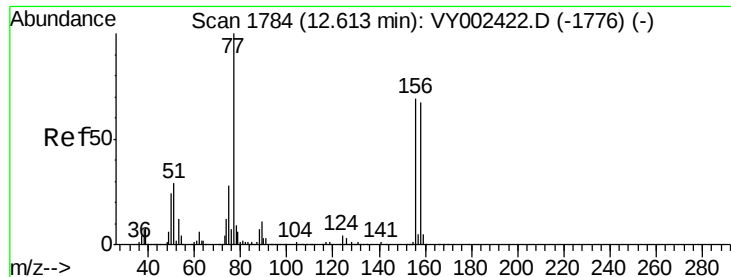
Tgt Ion: 43 Resp: 24915
Ion Ratio Lower Upper
43 100
70 3.1 42.6 63.8#
55 12.3 21.0 31.4#
61 0.0 23.7 35.5#



#76
1,2,3-Trichloropropane
Concen: 44.946 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.16 min
Lab File: VY002449.D
Acq: 21 Apr 2020 21:16

Tgt Ion: 75 Resp: 57184
Ion Ratio Lower Upper
75 100
77 5.4 0.0 0.0#





#77

Bromobenzene

Concen: 25.519 ug/l

RT: 12.53 min Scan# 1770

Delta R.T. -0.09 min

Lab File: VY002449.D

Acq: 21 Apr 2020 21:16

Instrument :

MSVOA_Y

ClientSampleId :

WC-F2-VOARE

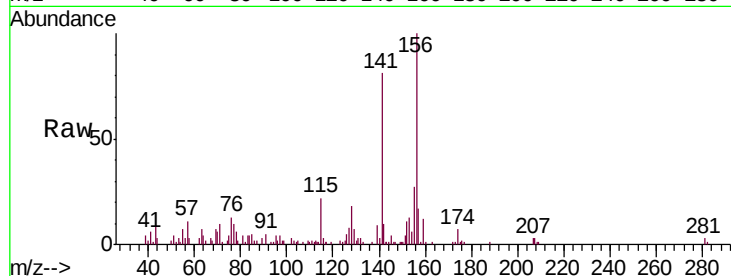
Tgt Ion:156 Resp: 60934

Ion Ratio Lower Upper

156 100

77 1.3 80.2 240.6#

158 0.6 48.4 145.0#

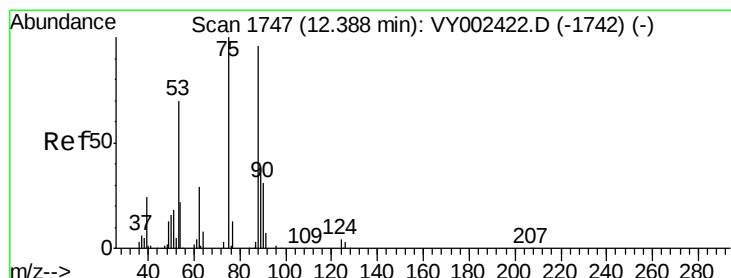
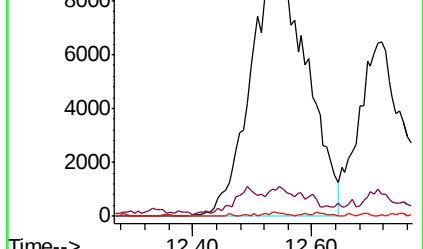
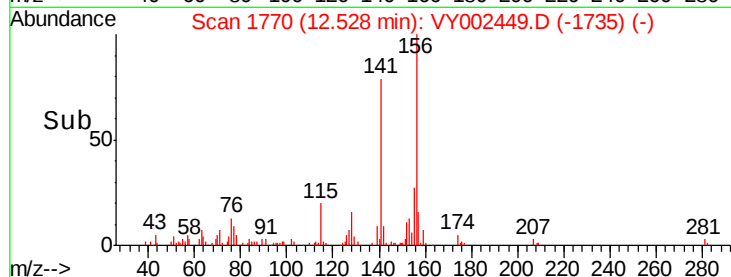


Abundance Ion 155.80 (155.50 to 156.50): VY002422.D (-1776) (-)

Ion 77.00 (76.70 to 77.70): VY002422.D (-1776) (-)

Ion 157.80 (157.50 to 158.50): VY002422.D (-1776) (-)

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 87.596 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002449.D

Acq: 21 Apr 2020 21:16

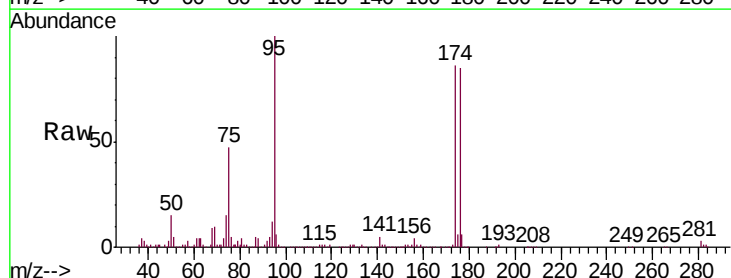
Tgt Ion: 75 Resp: 57184

Ion Ratio Lower Upper

75 100

53 0.4 58.7 88.1#

89 1.0 37.9 56.9#

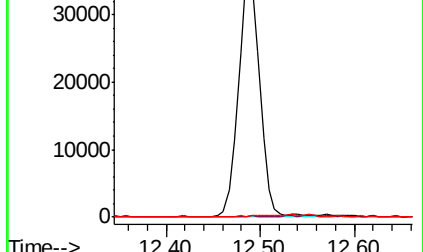
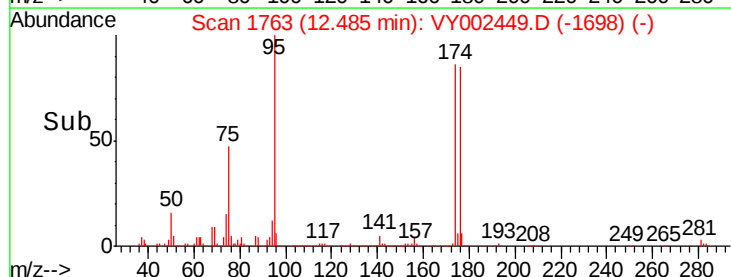


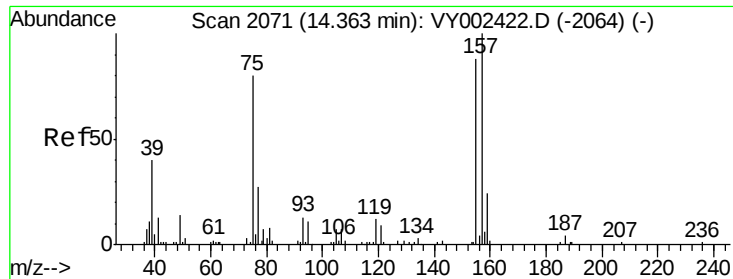
Abundance Ion 74.90 (74.60 to 75.60): VY002422.D (-1742) (-)

Ion 53.00 (52.70 to 53.70): VY002422.D (-1742) (-)

Ion 88.90 (88.60 to 89.60): VY002422.D (-1742) (-)

Time-->

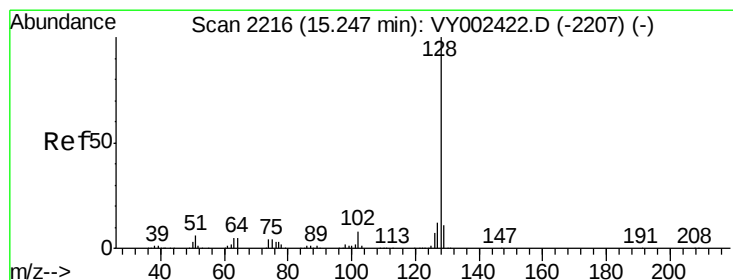
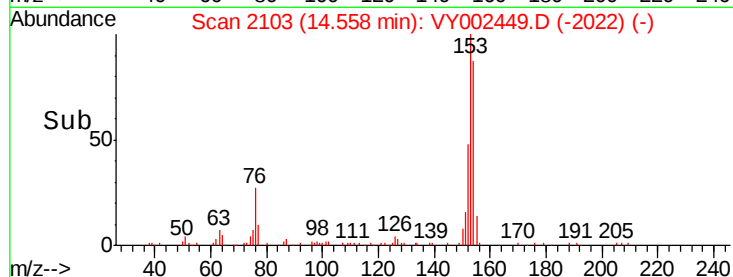
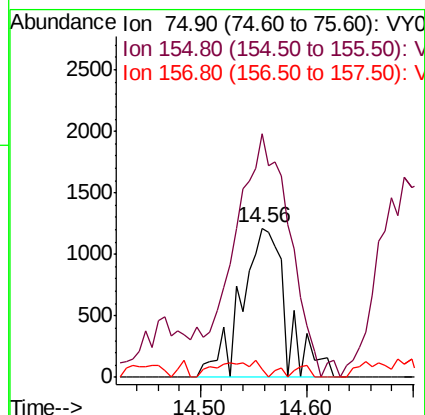
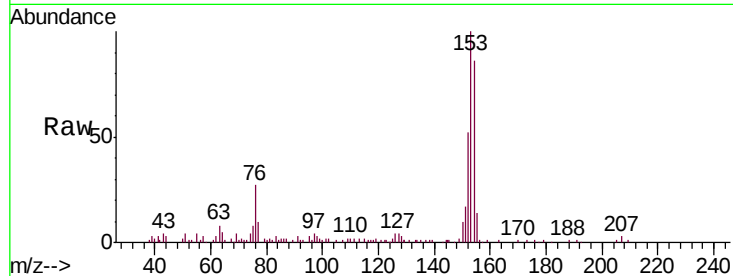




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.306 ug/l
 RT: 14.56 min Scan# 2103
 Delta R.T. 0.19 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-F2-VOARE

Tgt Ion: 75 Resp: 3544
 Ion Ratio Lower Upper
 75 100
 155 198.8 56.1 168.3#
 157 10.1 71.5 214.5#



#95
 Naphthalene
 Concen: 4.625 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: VY002449.D
 Acq: 21 Apr 2020 21:16

Tgt Ion: 128 Resp: 26110
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.2 15.2
 129 13.1 9.0 13.6

