

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111422\
 Data File : VY011441.D
 Acq On : 14 Nov 2022 15:47
 Operator : KP/MD
 Sample : N5582-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 31878

Quant Time: Nov 15 01:50:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

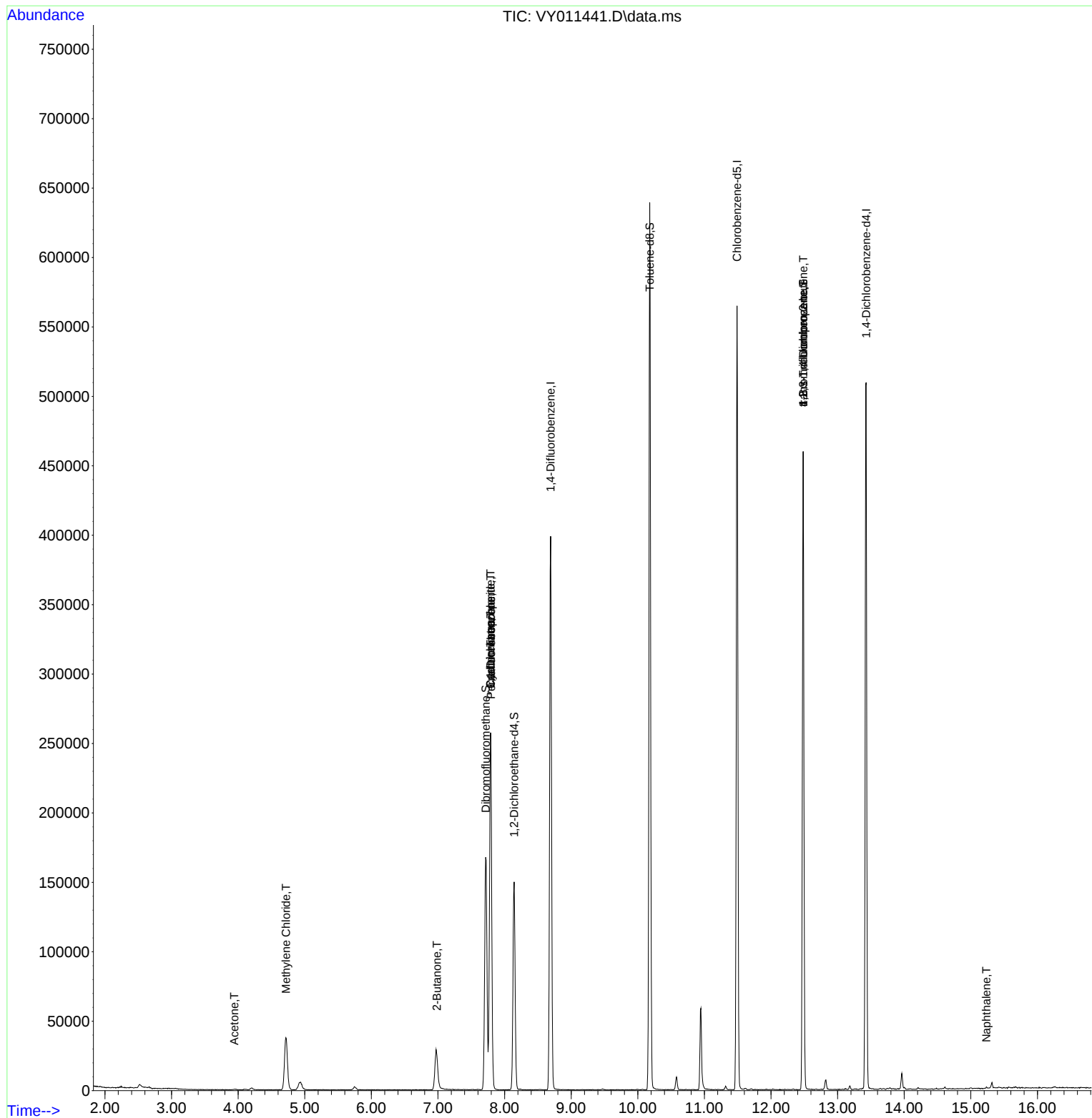
Internal Standards						
1) Pentafluorobenzene	7.795	168	211394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	365986	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	329394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116009	65.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.980%	
35) Dibromofluoromethane	7.716	113	124210	60.559	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.120%	
50) Toluene-d8	10.179	98	434216	55.415	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.840%	
62) 4-Bromofluorobenzene	12.483	95	139831	51.163	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.320%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	68	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	6453	Below Cal	#	79
16) Acetone	3.942	43	760	1.626	ug/l	90
18) Methyl Acetate	4.448	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	32250	6.117	ug/l	# 80
25) 2-Butanone	6.984	43	1316	1.976	ug/l	# 54
31) Cyclohexane	7.789	56	3354	1.054	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	14245	4.475	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	19996	5.775	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	66826	40.016	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	66826	96.186	ug/l	# 7
95) Naphthalene	15.233	128	775	3.408	ug/l	# 72

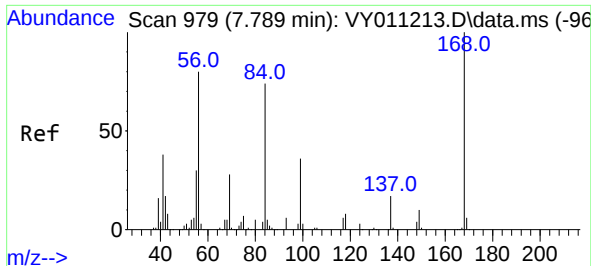
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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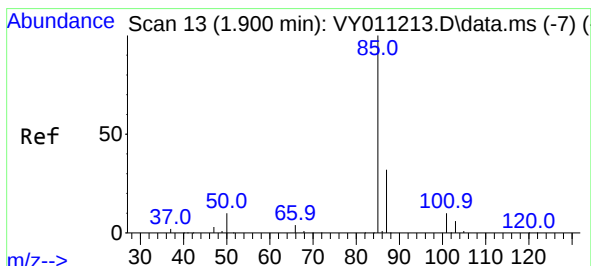
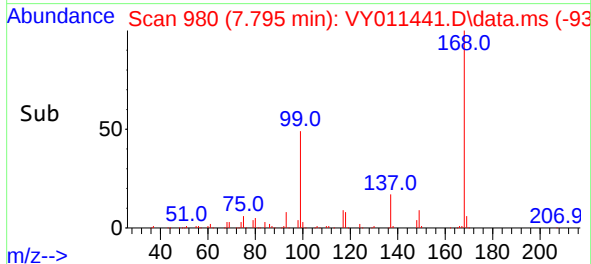
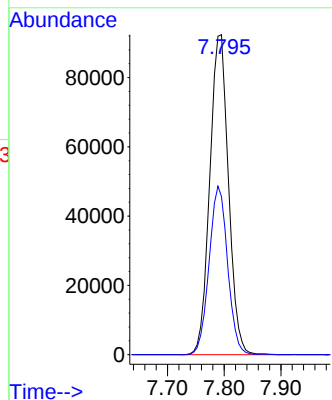
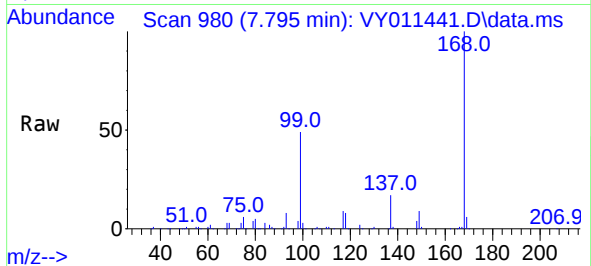




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

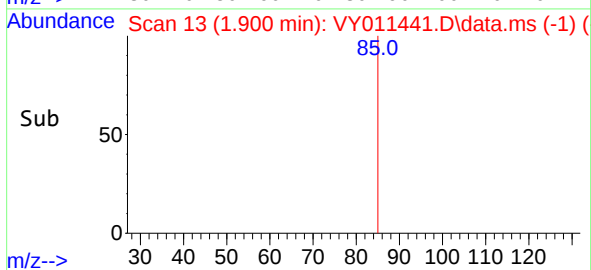
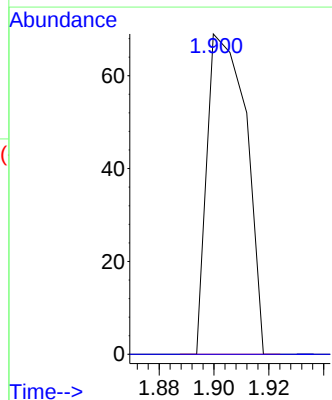
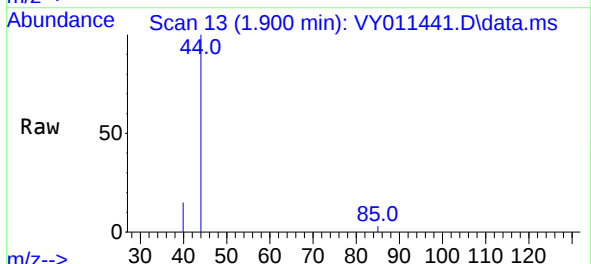
Instrument :
MSVOA_Y
ClientSampleId :
31878

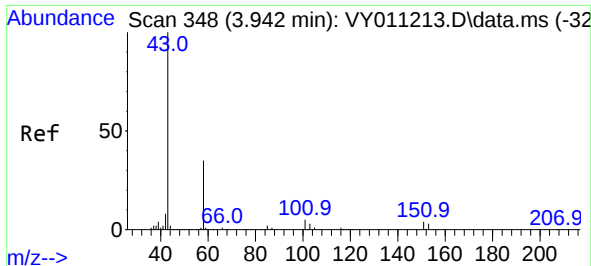
Tgt Ion:168 Resp: 211394
Ion Ratio Lower Upper
168 100
99 49.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Tgt Ion: 85 Resp: 68
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

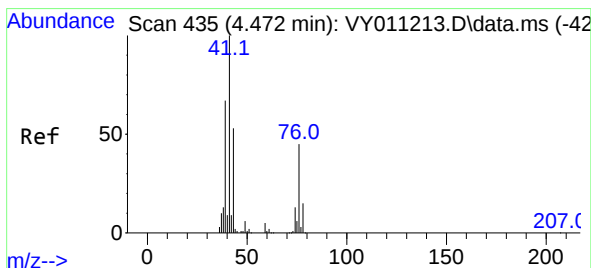
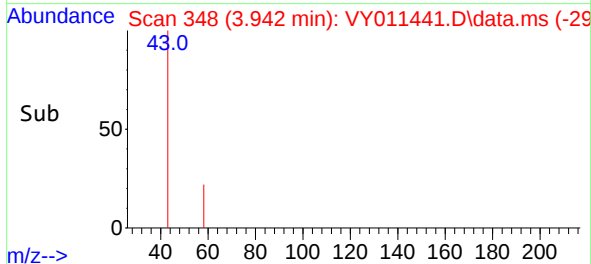
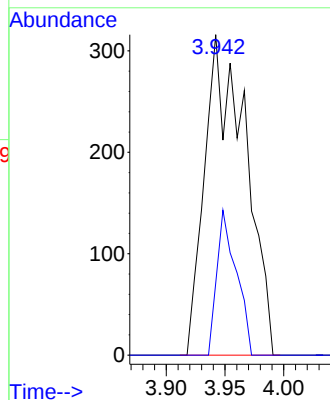
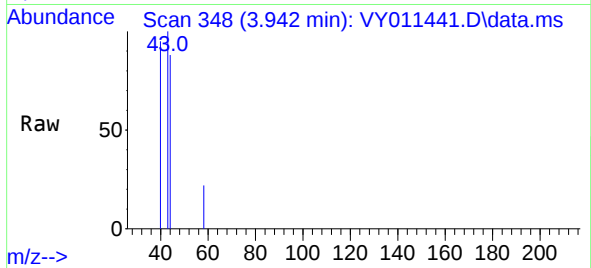




#16
Acetone
Concen: 1.626 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

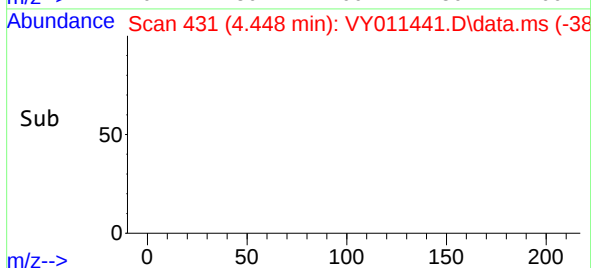
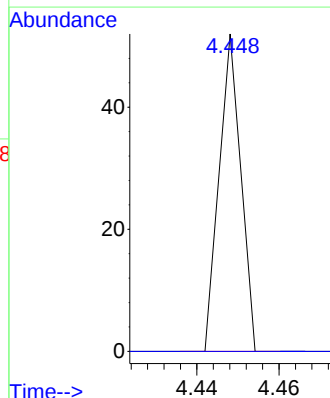
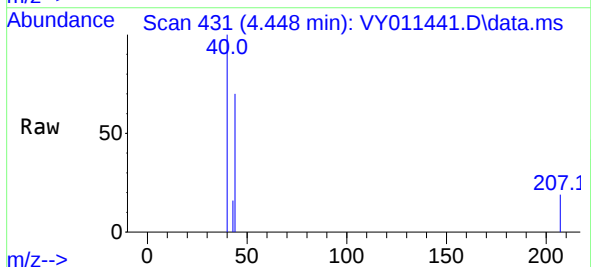
Instrument :
MSVOA_Y
ClientSampleId :
31878

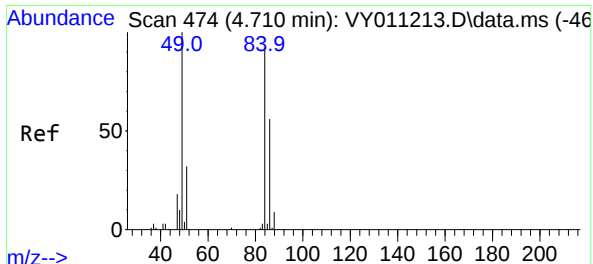
Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
58 22.5 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.448 min Scan# 431
Delta R.T. -0.025 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



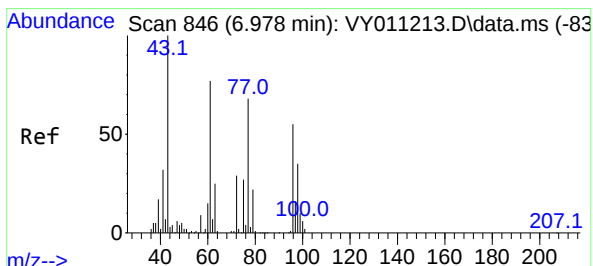
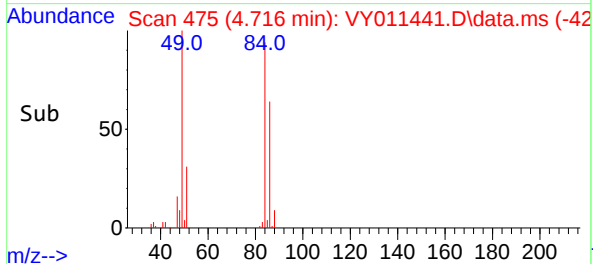
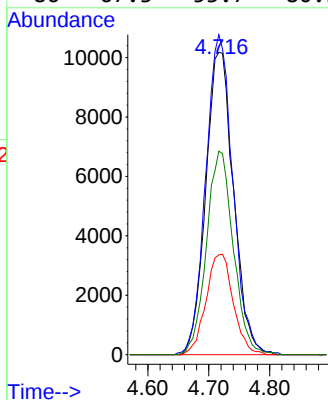
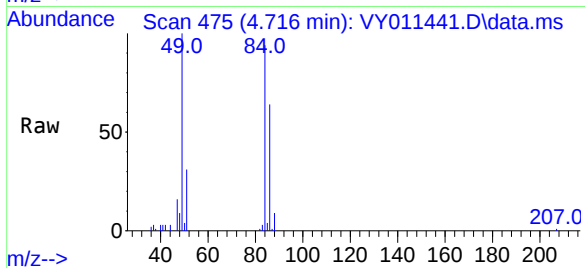


#20
Methylene Chloride
Concen: 6.117 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Instrument :
MSVOA_Y
ClientSampleId :
31878

Tgt Ion: 84 Resp: 32250

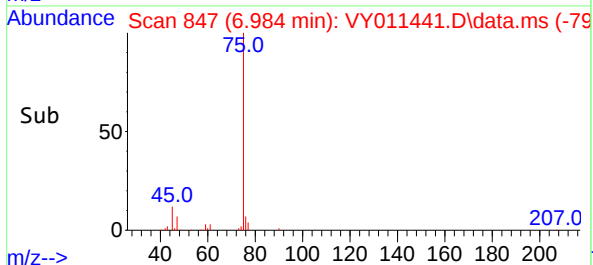
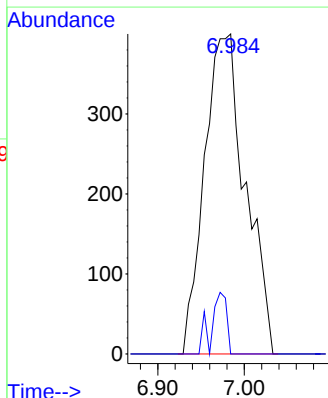
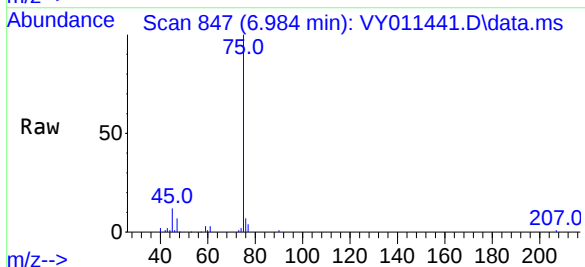
Ion	Ratio	Lower	Upper
84	100		
49	105.3	114.4	171.6#
51	33.1	35.3	52.9#
86	67.3	53.7	80.5

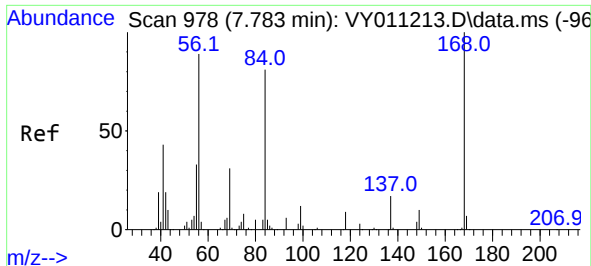


#25
2-Butanone
Concen: 1.976 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Tgt Ion: 43 Resp: 1316

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

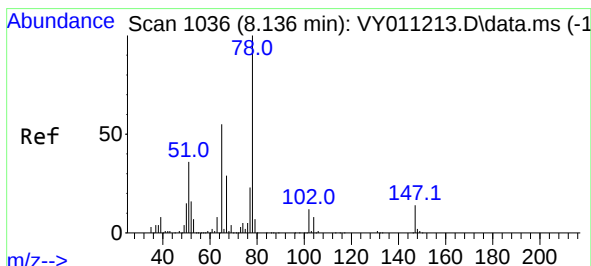
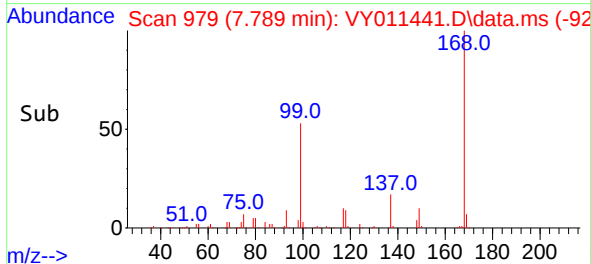
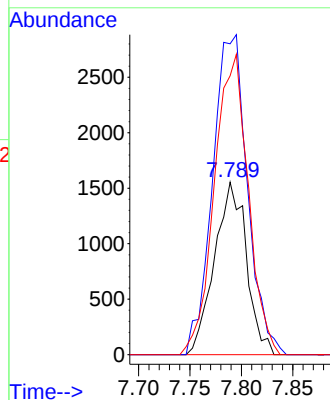
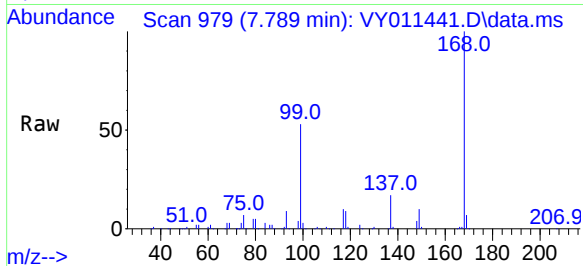




#31
Cyclohexane
Concen: 1.054 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

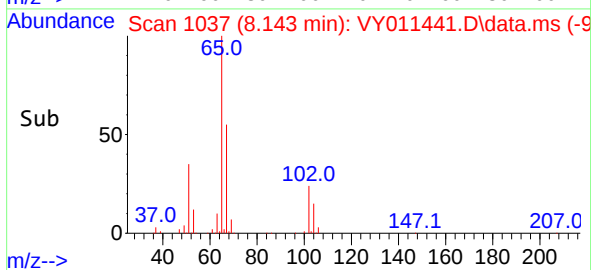
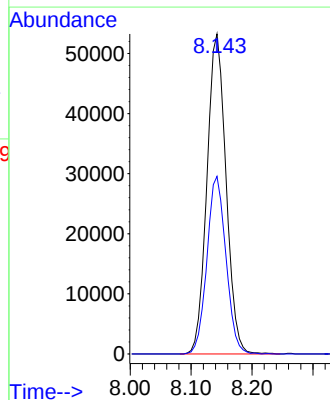
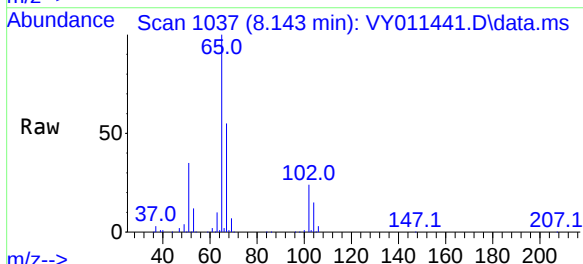
Instrument :
MSVOA_Y
ClientSampleId :
31878

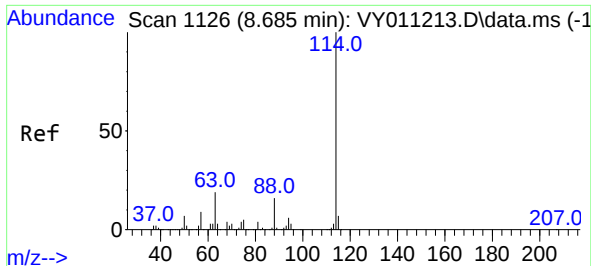
Tgt Ion: 56 Resp: 3354
Ion Ratio Lower Upper
56 100
69 180.2 26.7 40.1#
84 161.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.489 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Tgt Ion: 65 Resp: 116009
Ion Ratio Lower Upper
65 100
67 55.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011441.D

Acq: 14 Nov 2022 15:47

Instrument :

MSVOA_Y

ClientSampleId :

31878

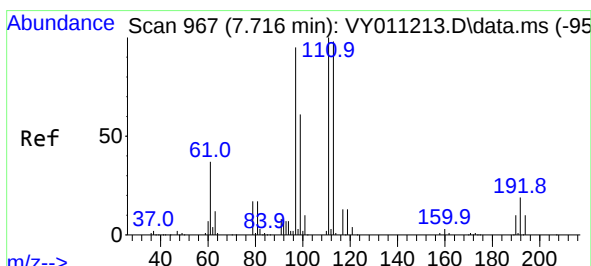
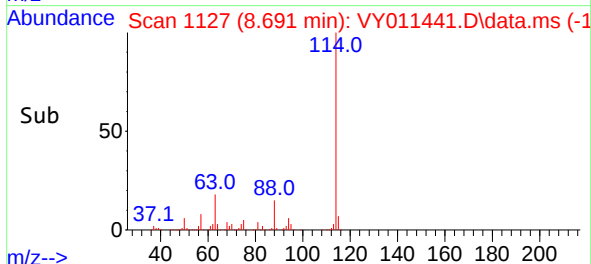
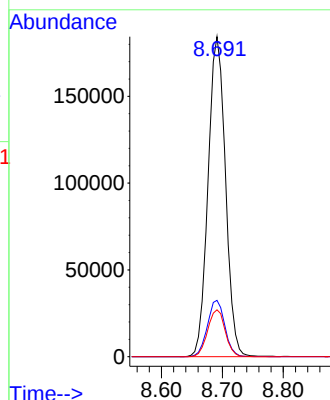
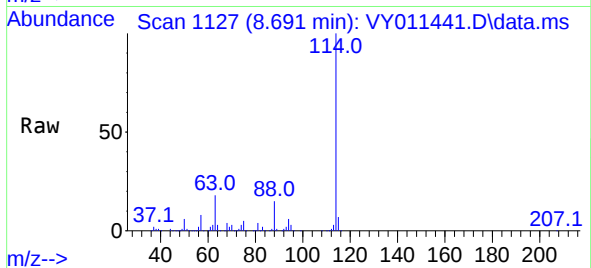
Tgt Ion:114 Resp: 365986

Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.559 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011441.D

Acq: 14 Nov 2022 15:47

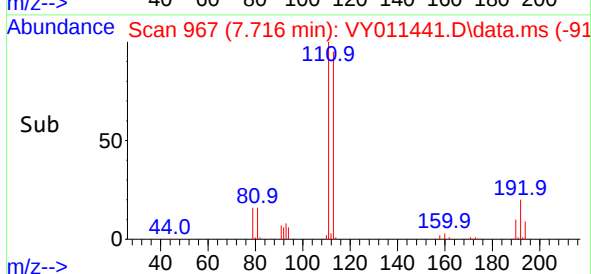
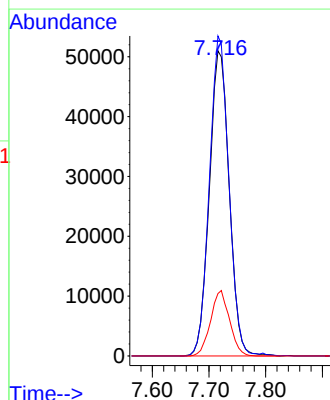
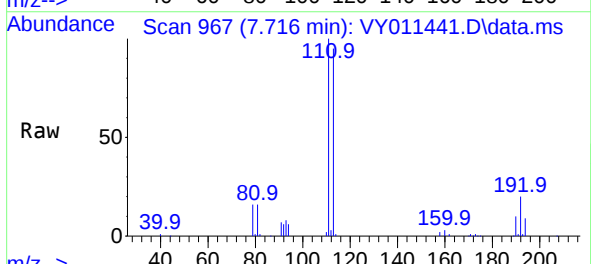
Tgt Ion:113 Resp: 124210

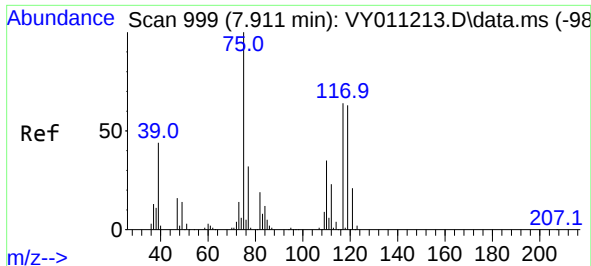
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 20.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.475 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011441.D

Acq: 14 Nov 2022 15:47

Instrument :

MSVOA_Y

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31878

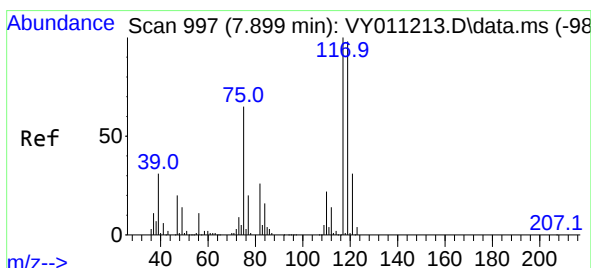
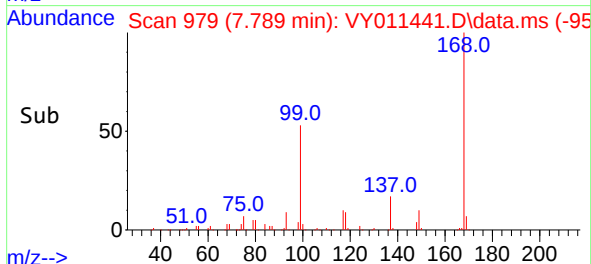
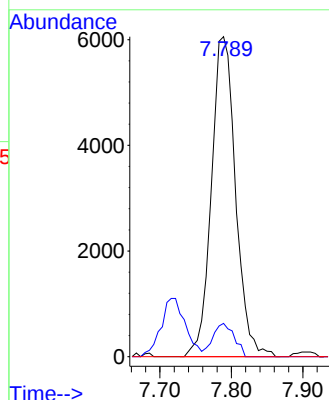
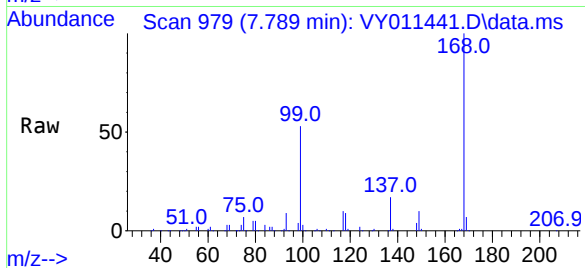
Tgt Ion: 75 Resp: 14245

Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.775 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011441.D

Acq: 14 Nov 2022 15:47

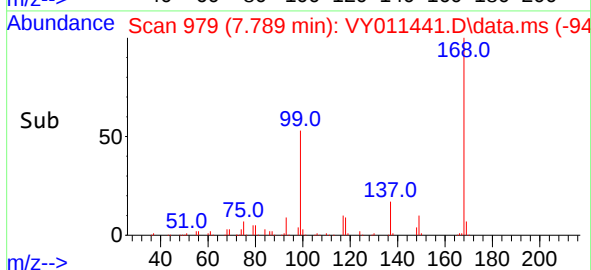
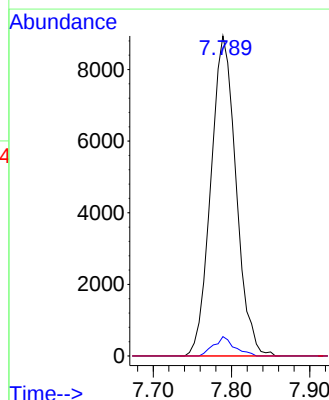
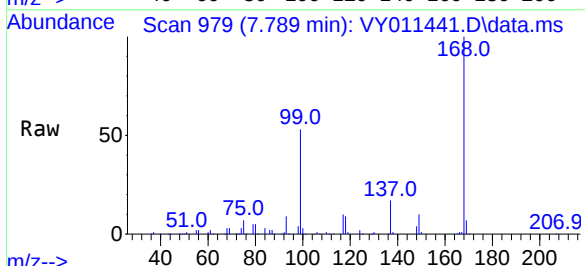
Tgt Ion: 117 Resp: 19996

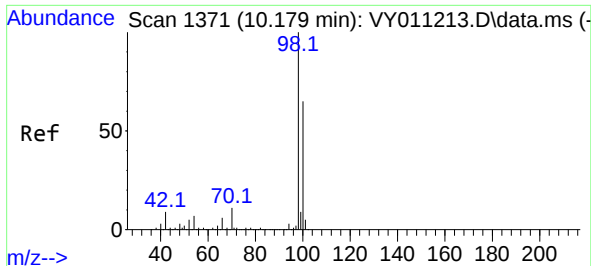
Ion Ratio Lower Upper

117 100

119 6.0 77.9 116.9#

121 0.0 24.8 37.2#

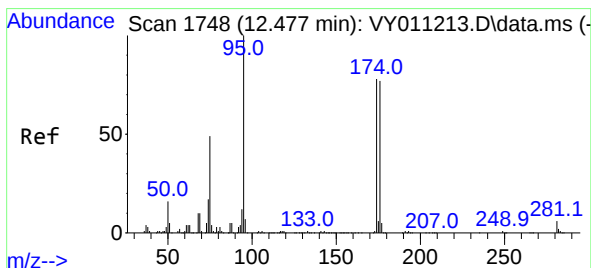
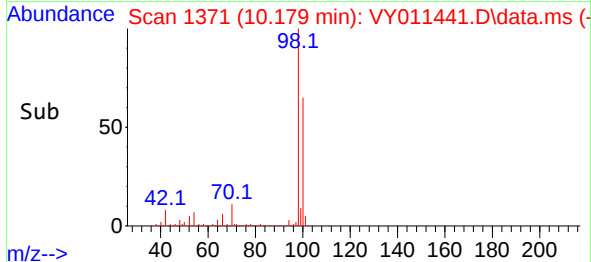
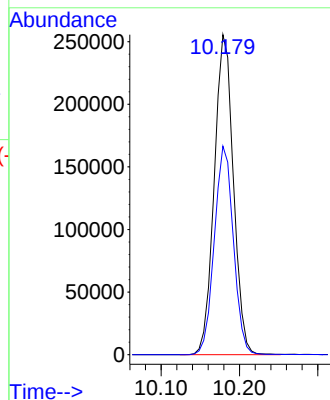
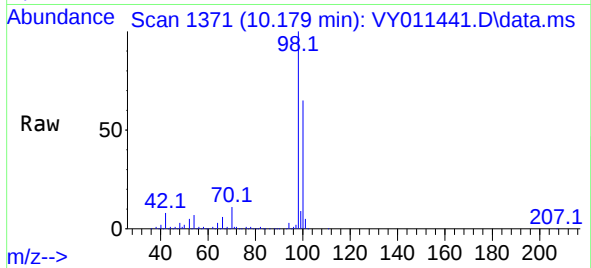




#50
Toluene-d8
Concen: 55.415 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

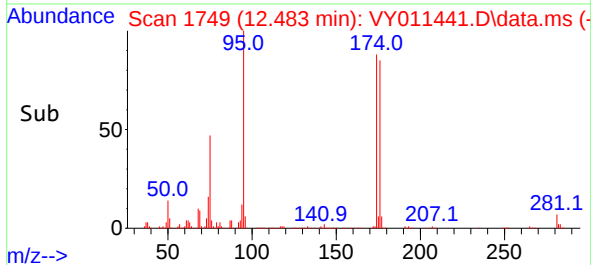
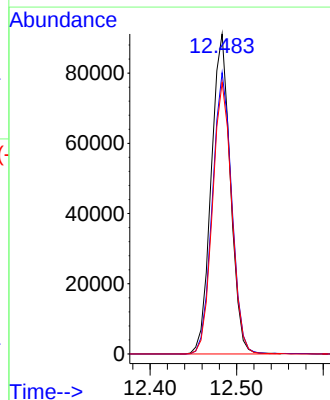
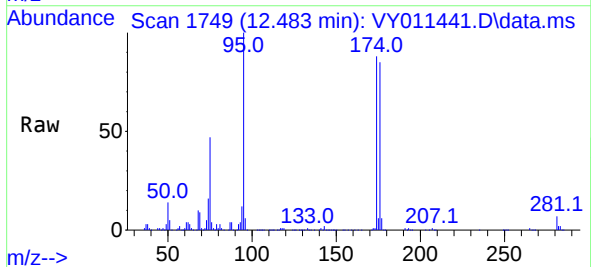
Instrument :
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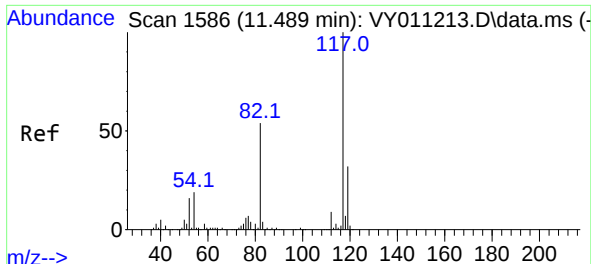
Tgt Ion: 98 Resp: 434216
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 51.163 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Tgt Ion: 95 Resp: 139831
Ion Ratio Lower Upper
95 100
174 89.2 0.0 177.0
176 85.4 0.0 175.8

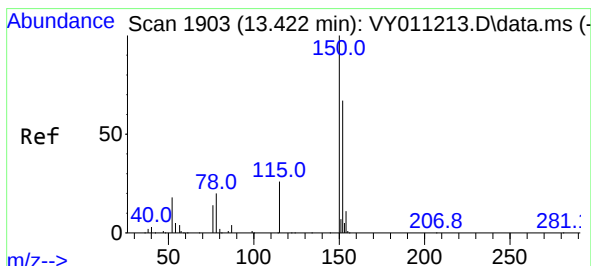
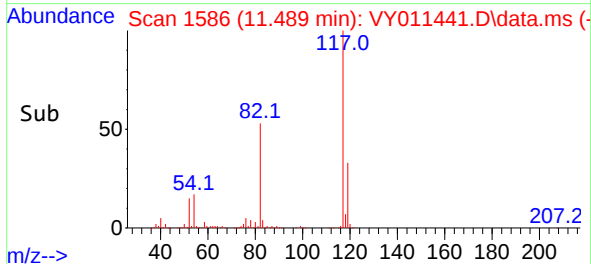
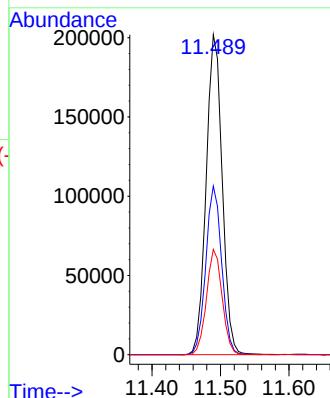
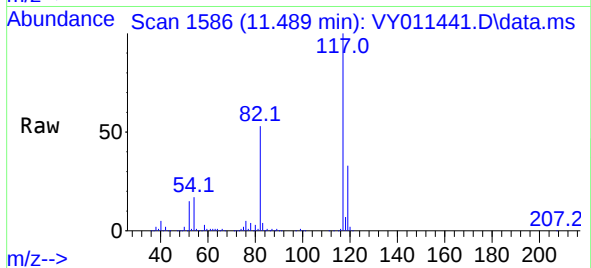




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

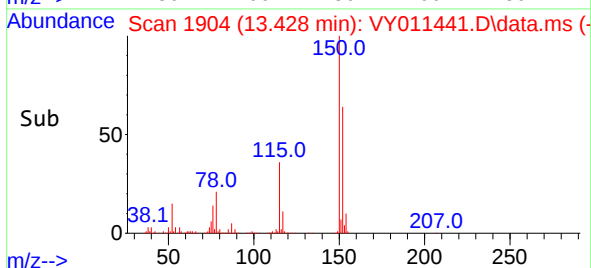
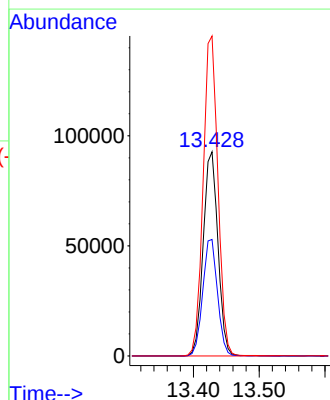
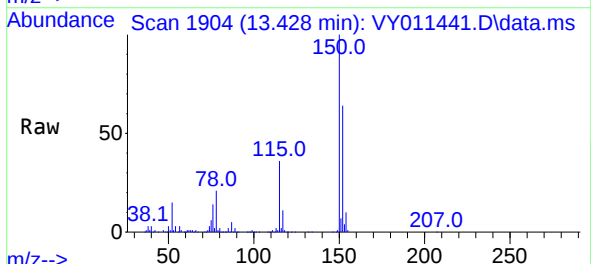
Instrument :
MSVOA_Y
ClientSampleId :
31878

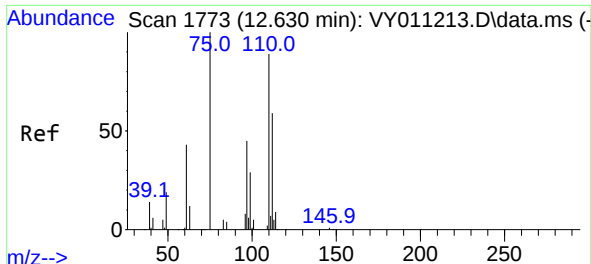
Tgt Ion:117 Resp: 329394
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 32.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Tgt Ion:152 Resp: 144272
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 157.5 0.0 347.6

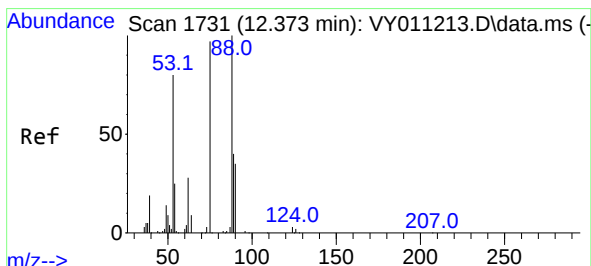
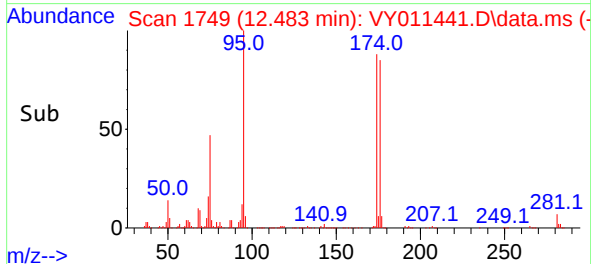
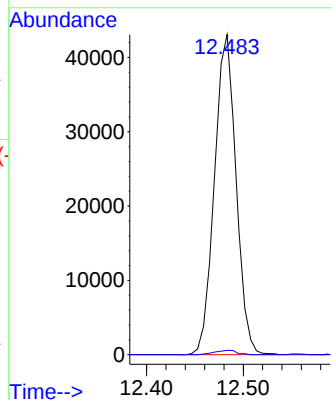
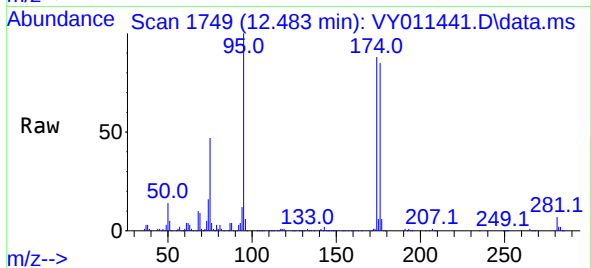




#76
1,2,3-Trichloropropane
Concen: 40.016 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

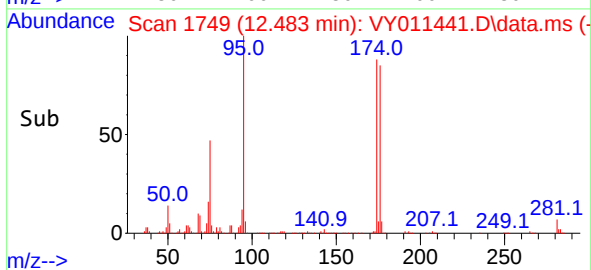
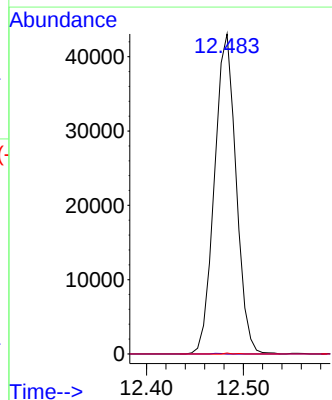
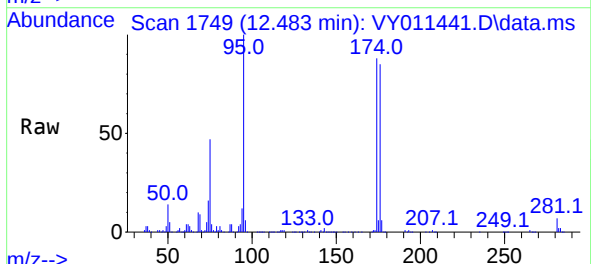
Instrument :
MSVOA_Y
ClientSampleId :
31878

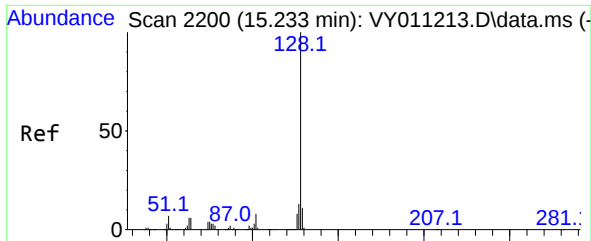
Tgt Ion: 75 Resp: 66826
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.186 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

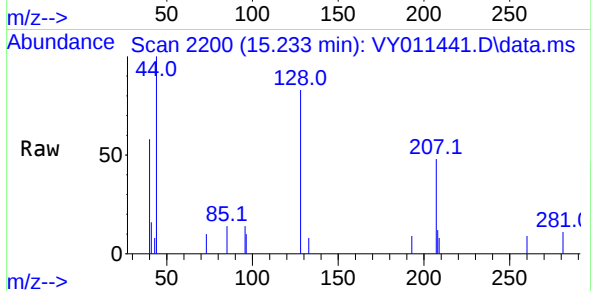
Tgt Ion: 75 Resp: 66826
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 3.408 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011441.D
Acq: 14 Nov 2022 15:47

Instrument :
MSVOA_Y
ClientSampleId :
31878



Tgt Ion:	128	Resp:	775
Ion	Ratio	Lower	Upper
128	100		
127	2.7	11.0	16.4#
129	0.0	8.4	12.6#

