

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103122\
 Data File : VY011196.D
 Acq On : 31 Oct 2022 14:50
 Operator : KP/MD
 Sample : VY1031SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1031SBL01

Quant Time: Nov 01 02:44:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	204745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	351806	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	320464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	147714	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	117996	55.735	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.460%	
35) Dibromofluoromethane	7.715	113	115332	53.309	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.620%	
50) Toluene-d8	10.178	98	428999	50.052	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.100%	
62) 4-Bromofluorobenzene	12.483	95	143361	51.118	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.240%	

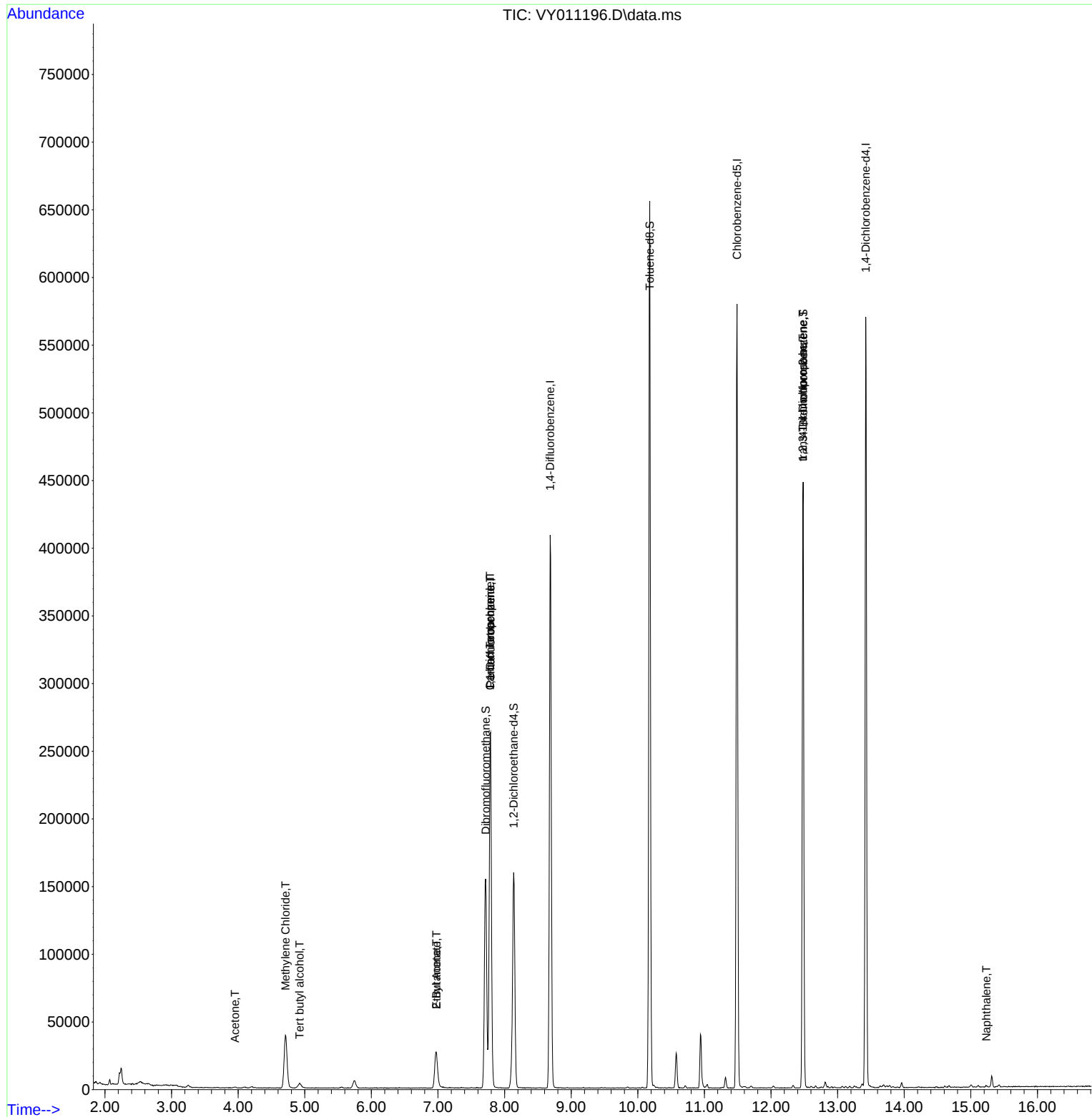
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.905	85	237	Below Cal		97
3) Chloromethane	2.113	50	511	Below Cal	#	83
4) Vinyl Chloride	2.247	62	43	Below Cal	#	43
5) Bromomethane	2.661	94	413	Below Cal		88
11) Tert butyl alcohol	4.923	59	3623	13.641	ug/l #	77
16) Acetone	3.954	43	1148	2.216	ug/l	100
17) Carbon Disulfide	4.186	76	131	Below Cal	#	75
18) Methyl Acetate	4.387	43	25	Below Cal	#	56
20) Methylene Chloride	4.710	84	30957	8.931	ug/l #	84
25) 2-Butanone	6.978	43	2386	3.213	ug/l	94
31) Cyclohexane	7.789	56	4179	Below Cal	#	1
36) 1,1-Dichloropropene	7.782	75	16118	5.715	ug/l #	51
37) Ethyl Acetate	6.978	43	2386	1.495	ug/l #	14
38) Carbon Tetrachloride	7.782	117	20044	6.524	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	71135	46.320	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	71135	98.368	ug/l #	7
95) Naphthalene	15.232	128	1142	4.551	ug/l #	77

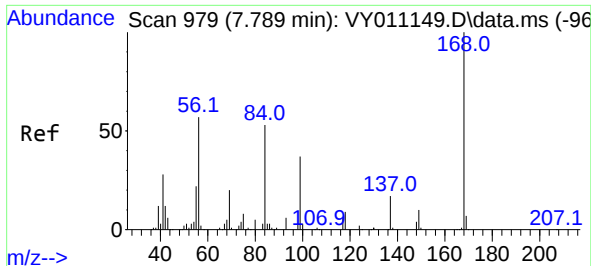
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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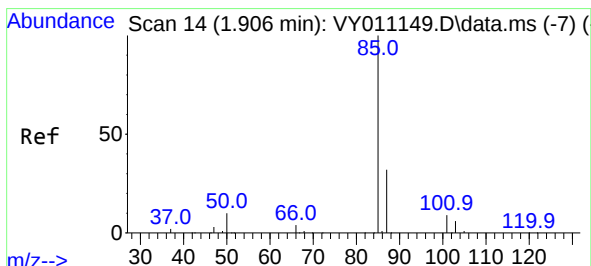
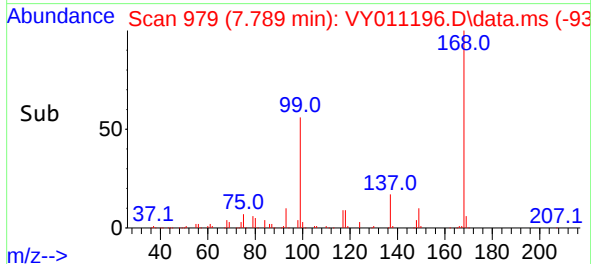
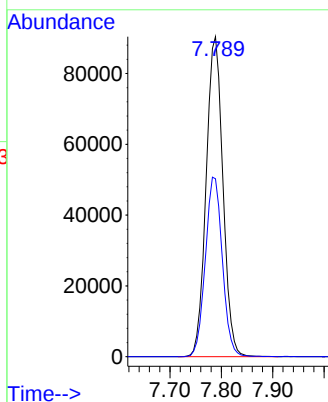
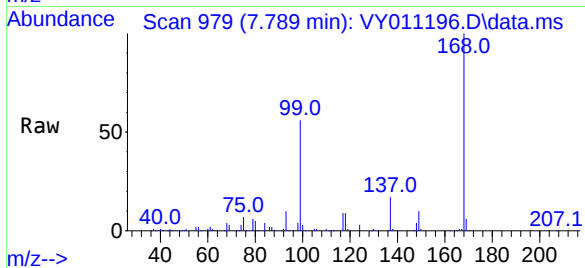




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

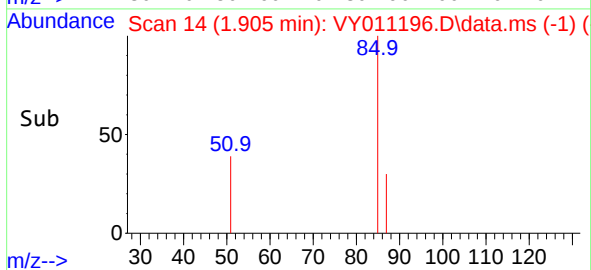
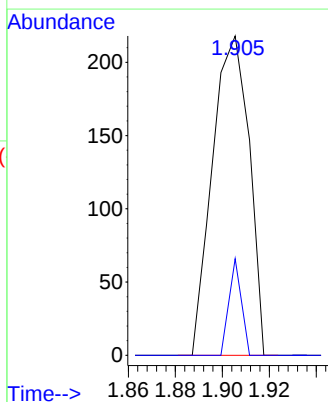
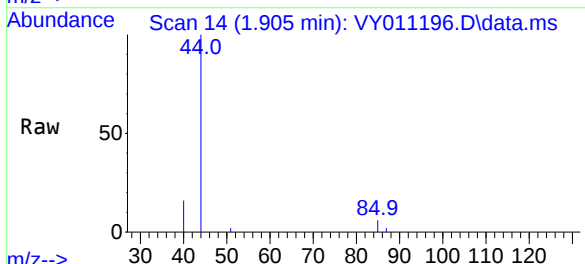
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

Tgt Ion:168 Resp: 204745
Ion Ratio Lower Upper
168 100
99 55.6 46.9 70.3

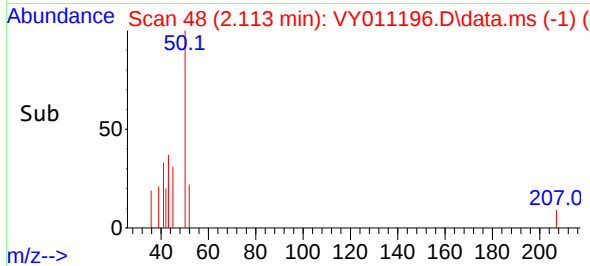
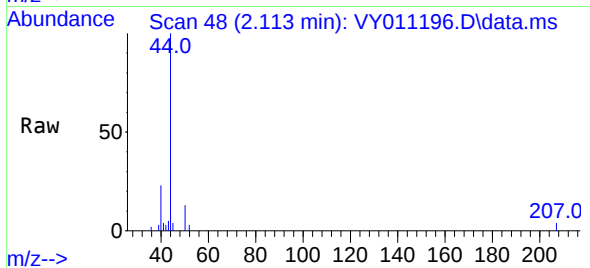
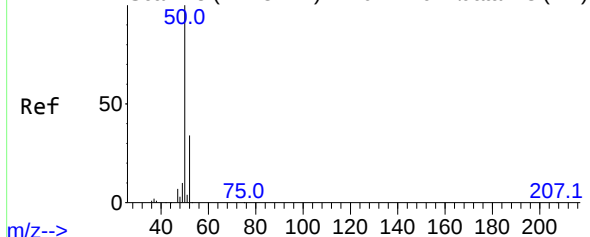


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.905 min Scan# 14
Delta R.T. -0.001 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 85 Resp: 237
Ion Ratio Lower Upper
85 100
87 30.3 16.1 48.2



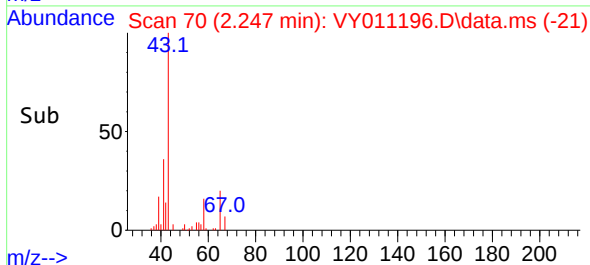
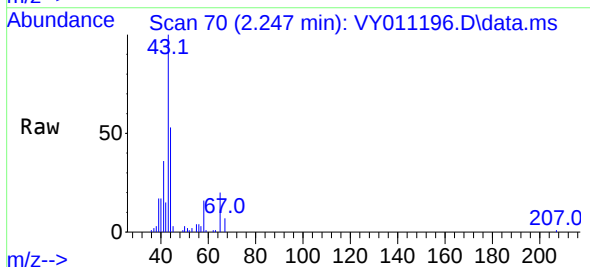
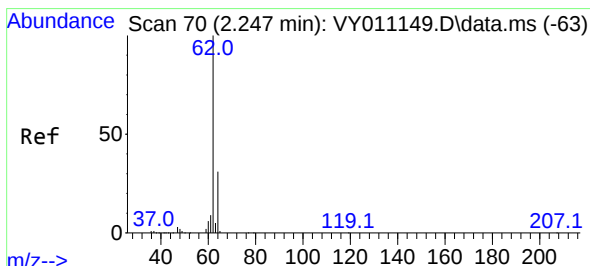
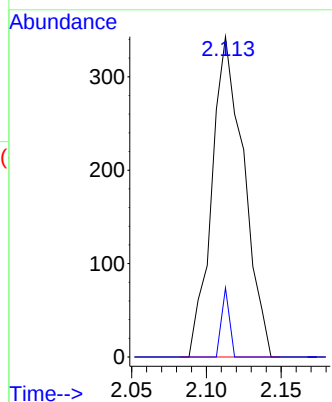
Abundance Scan 48 (2.113 min): VY011149.D\data.ms (-41)



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

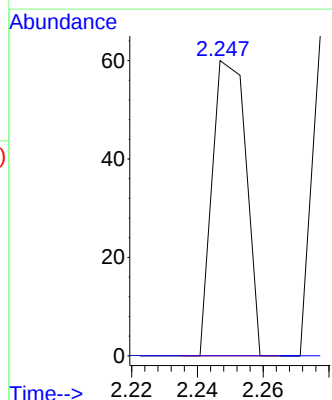
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

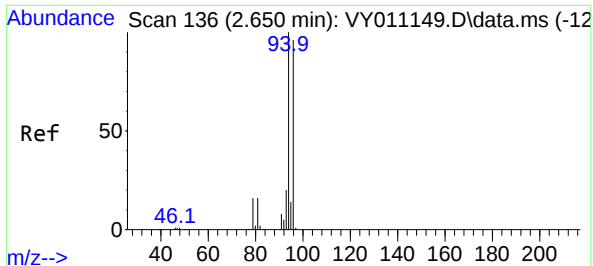
Tgt Ion: 50 Resp: 511
Ion Ratio Lower Upper
50 100
52 21.6 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.000 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 62 Resp: 43
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

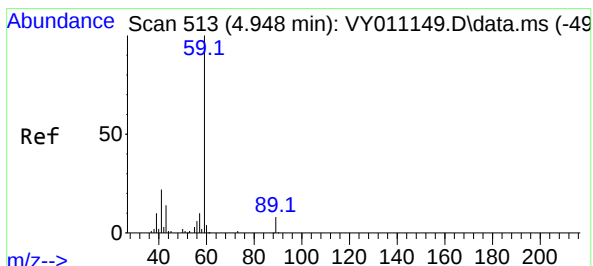
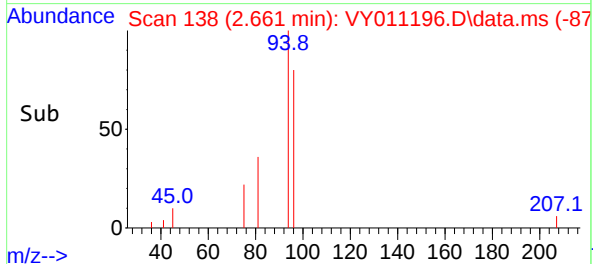
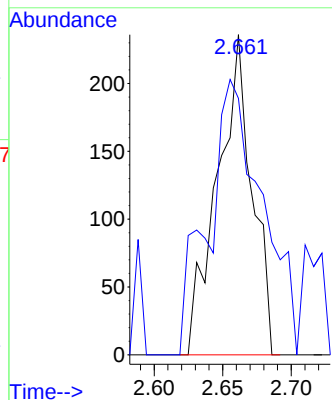
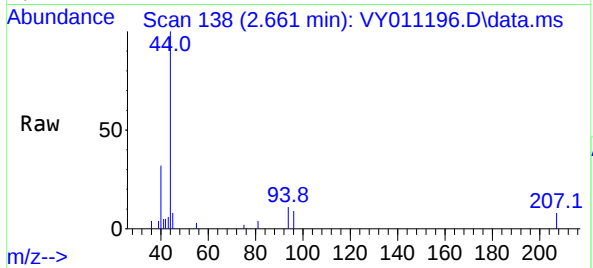




#5
Bromomethane
Concen: Below Cal
RT: 2.661 min Scan# 11
Delta R.T. 0.011 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

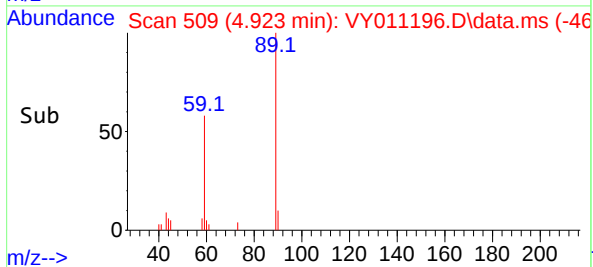
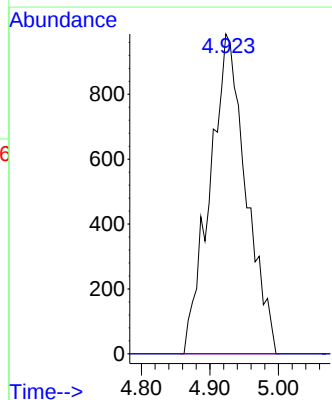
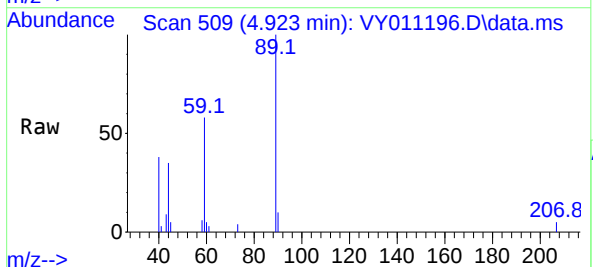
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

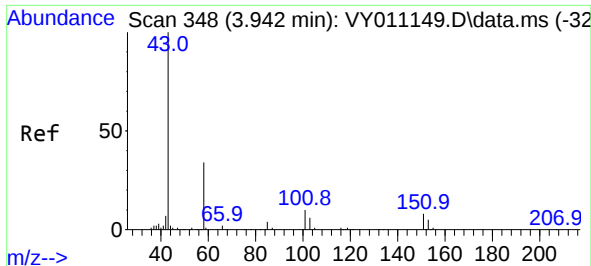
Tgt Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
96 80.1 73.5 110.3



#11
Tert butyl alcohol
Concen: 13.641 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 59 Resp: 3623
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

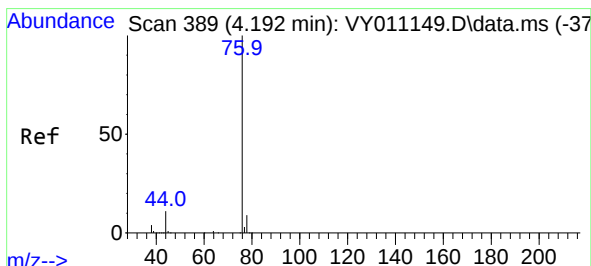
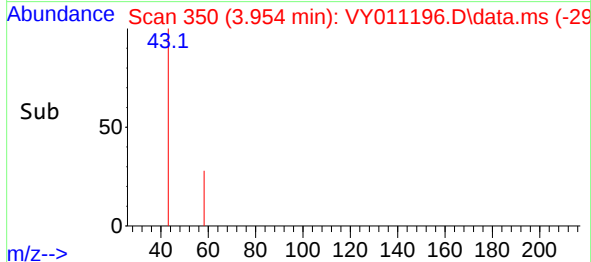
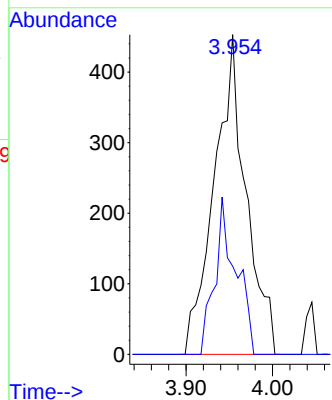
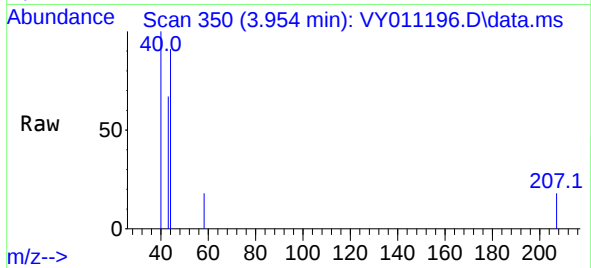




#16
Acetone
Concen: 2.216 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

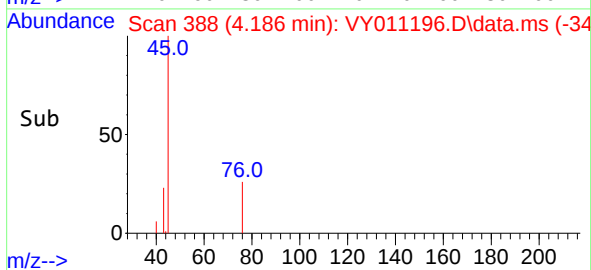
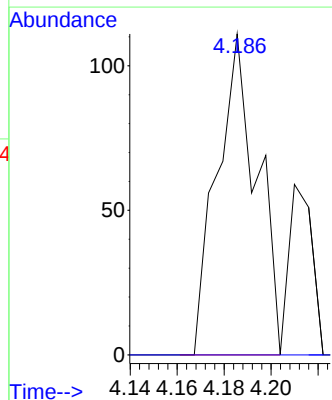
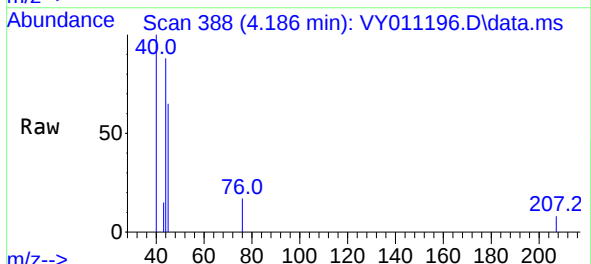
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

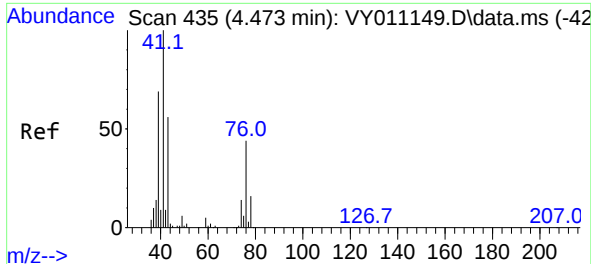
Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 27.6 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 76 Resp: 131
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.387 min Scan# 41

Delta R.T. -0.086 min

Lab File: VY011196.D

Acq: 31 Oct 2022 14:50

Instrument :

MSVOA_Y

ClientSampleId :

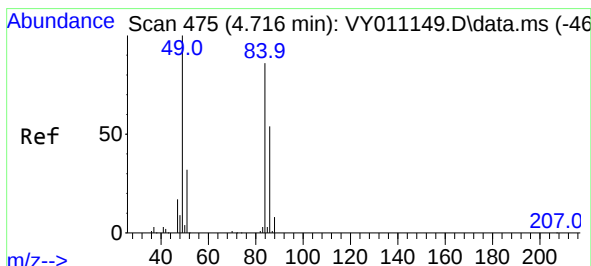
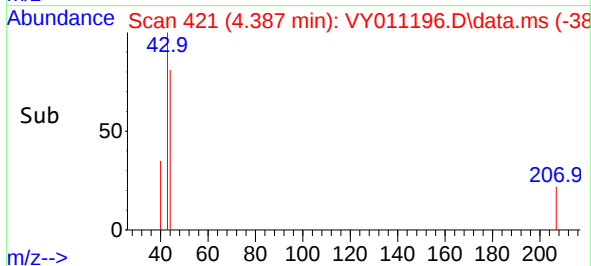
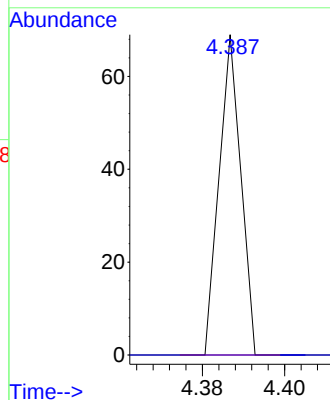
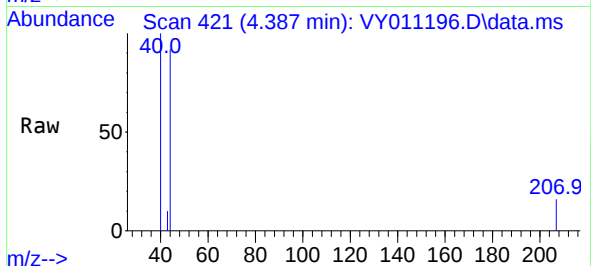
VY1031SBL01

Tgt Ion: 43 Resp: 25

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 8.931 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY011196.D

Acq: 31 Oct 2022 14:50

Tgt Ion: 84 Resp: 30957

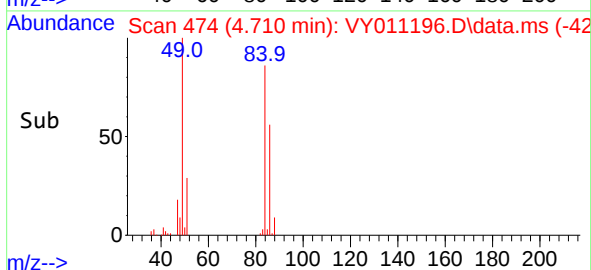
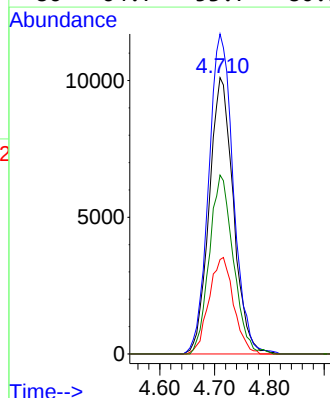
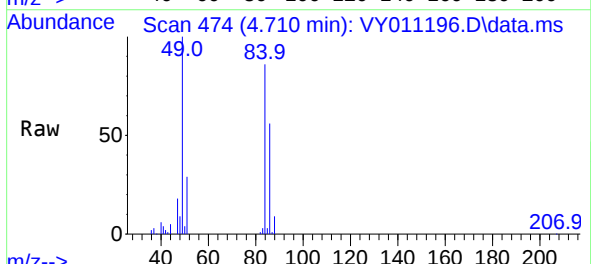
Ion Ratio Lower Upper

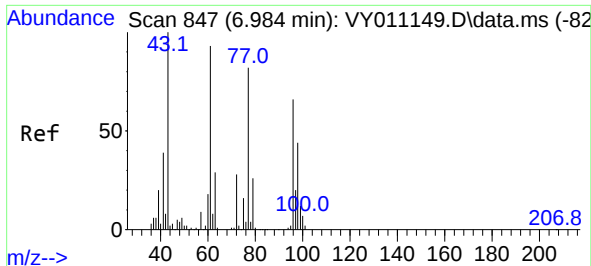
84 100

49 115.8 114.4 171.6

51 34.1 35.3 52.9#

86 64.7 53.7 80.5

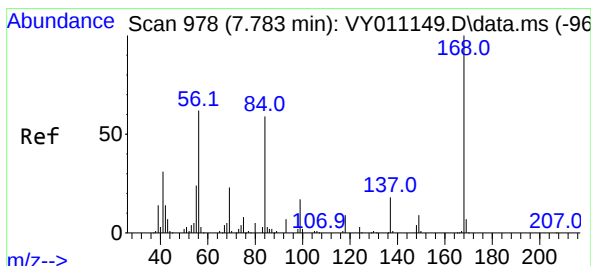
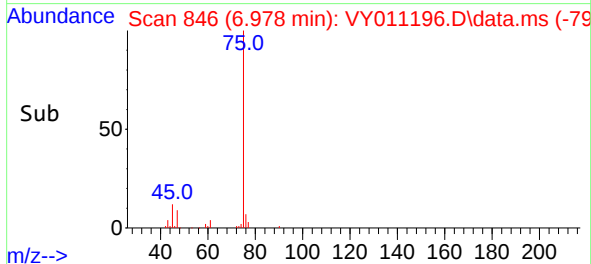
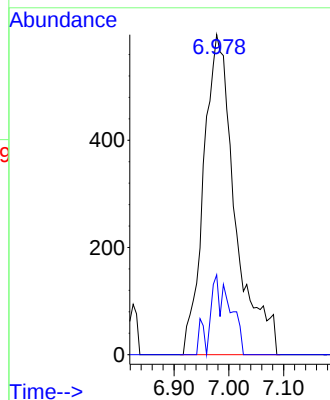
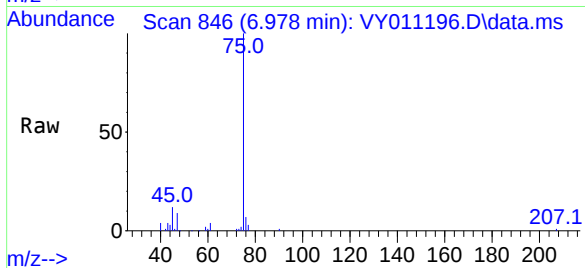




#25
2-Butanone
Concen: 3.213 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

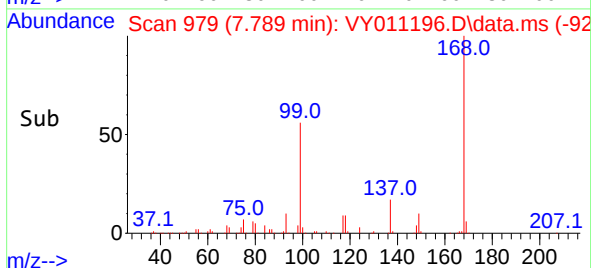
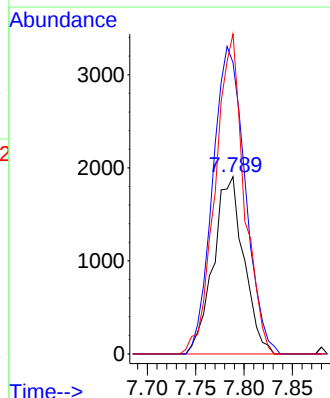
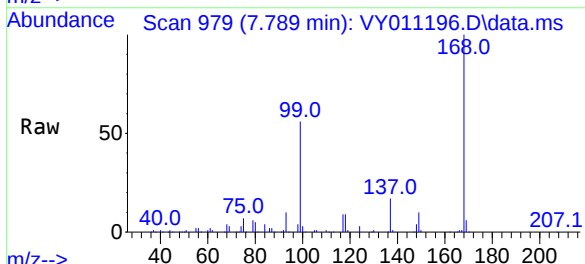
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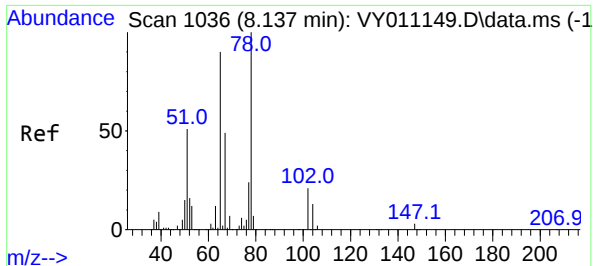
Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
72 25.0 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 56 Resp: 4179
Ion Ratio Lower Upper
56 100
69 164.4 26.7 40.1#
84 180.5 67.2 100.8#

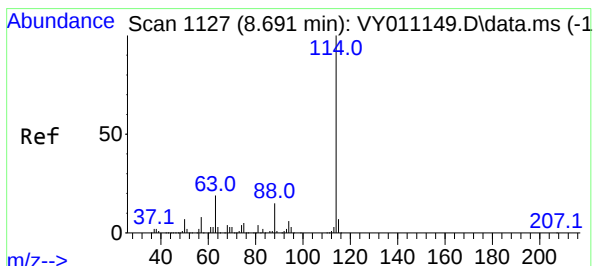
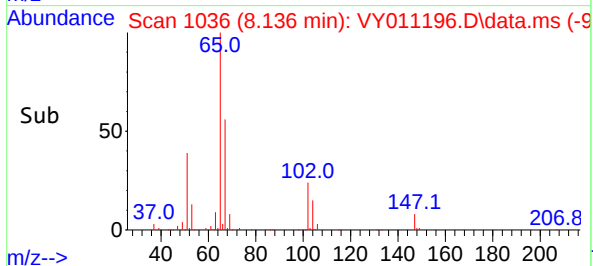
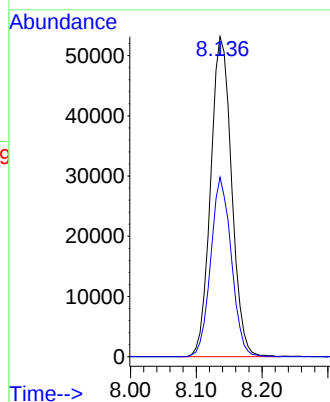
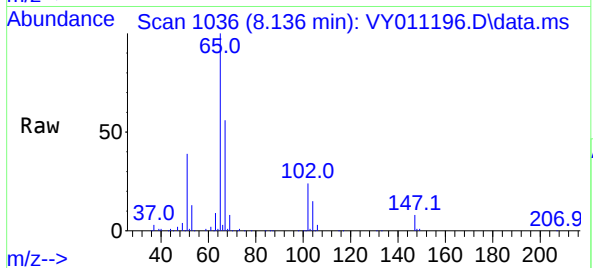




#33
1,2-Dichloroethane-d4
Concen: 55.735 ug/l
RT: 8.136 min Scan# 110
Delta R.T. -0.001 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

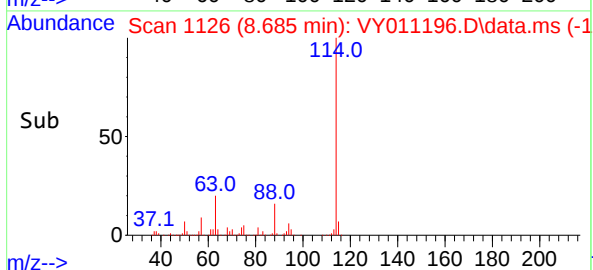
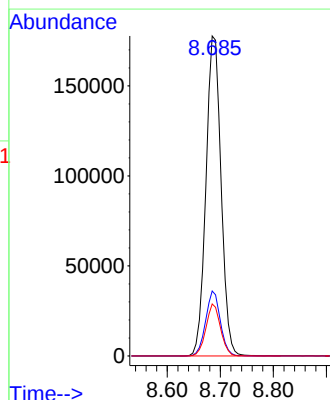
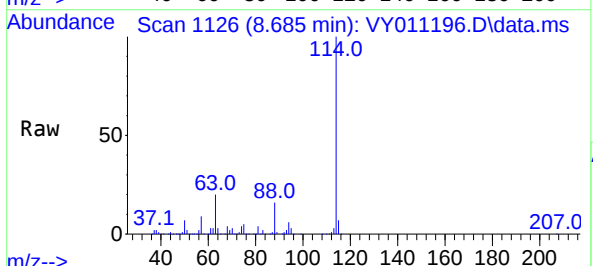
Instrument :
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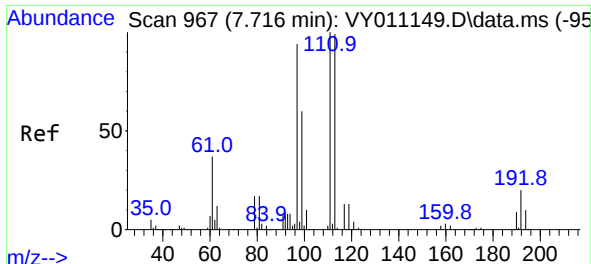
Tgt Ion: 65 Resp: 117996
Ion Ratio Lower Upper
65 100
67 55.0 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 114 Resp: 351806
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.2
88 16.2 0.0 31.8

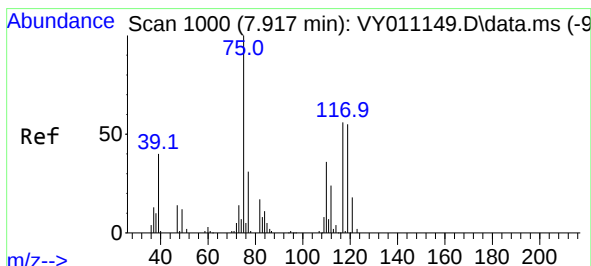
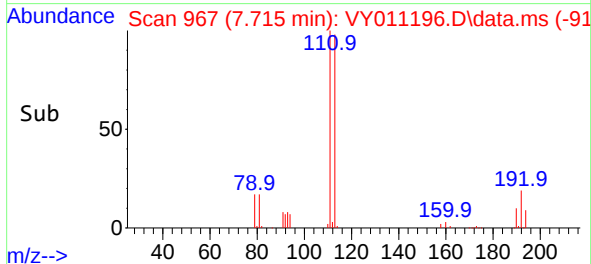
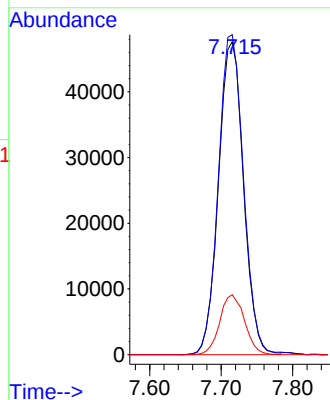
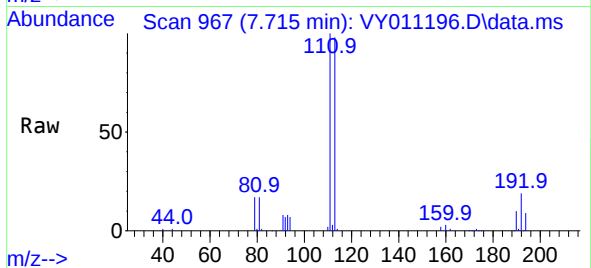




#35
Dibromofluoromethane
Concen: 53.309 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

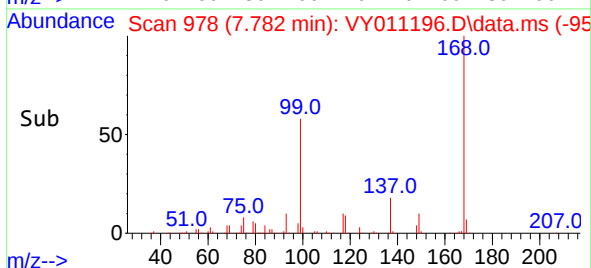
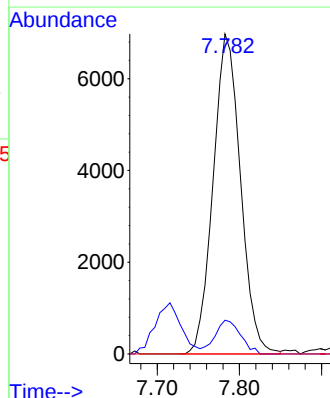
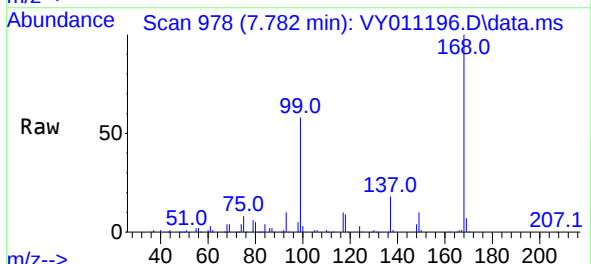
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

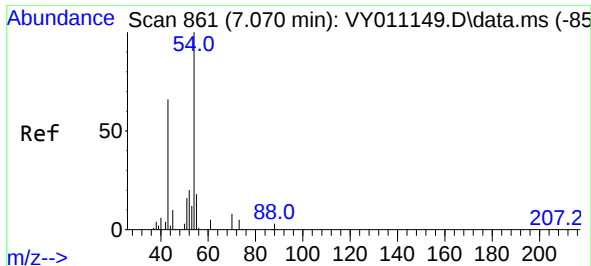
Tgt Ion:113 Resp: 115332
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.715 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 75 Resp: 16118
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#

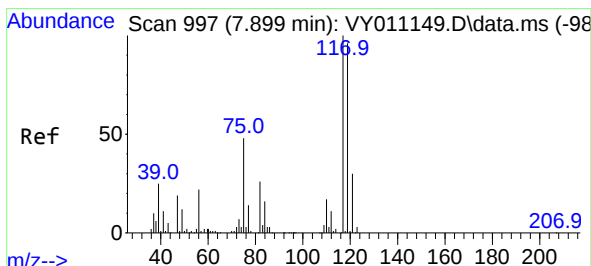
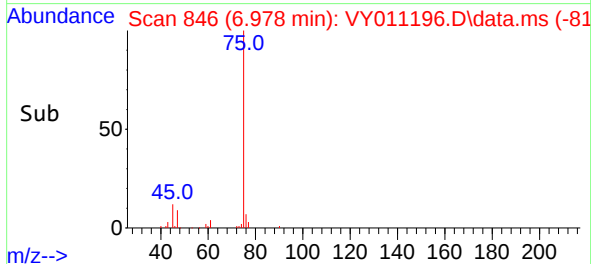
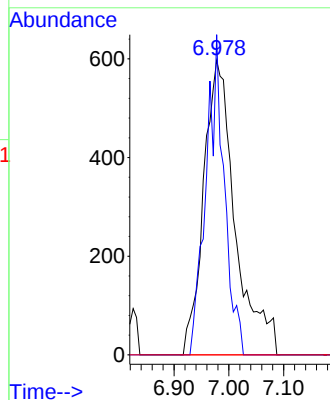
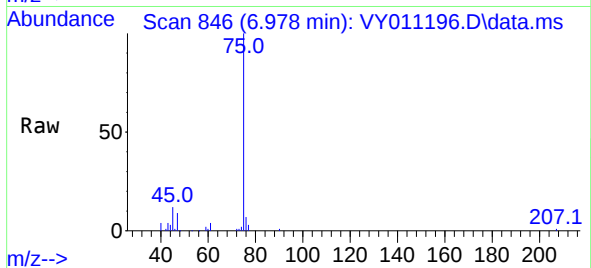




#37
Ethyl Acetate
Concen: 1.495 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

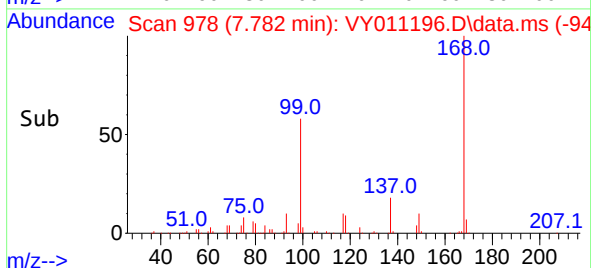
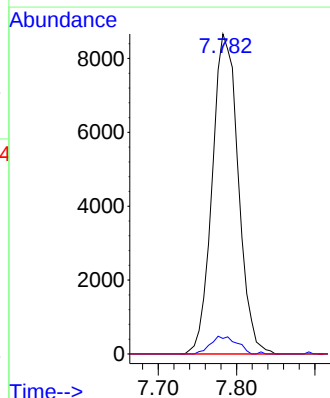
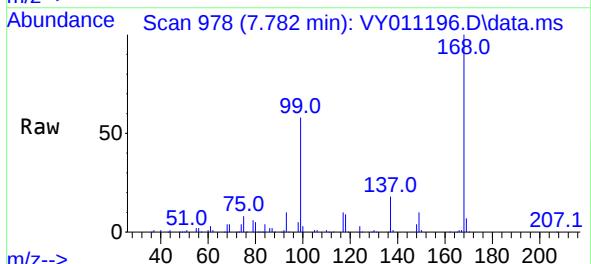
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

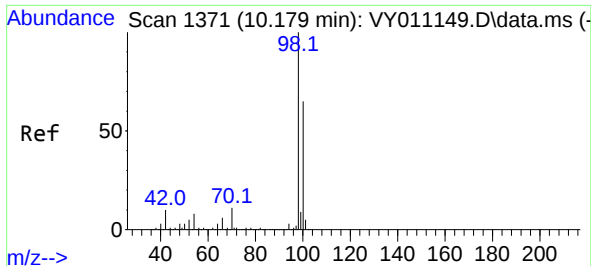
Tgt Ion: 43 Resp: 2386
Ion Ratio Lower Upper
43 100
61 63.1 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.524 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.117 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 117 Resp: 20044
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#

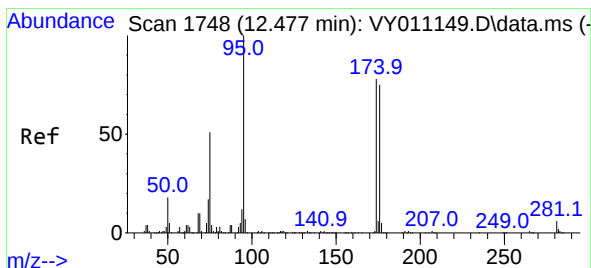
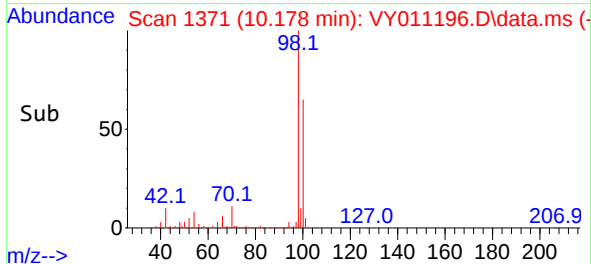
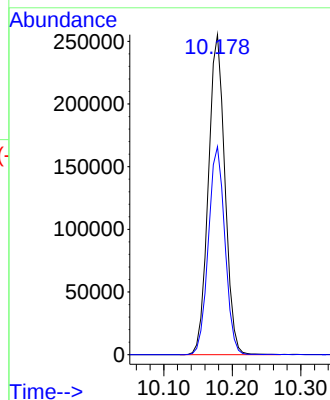
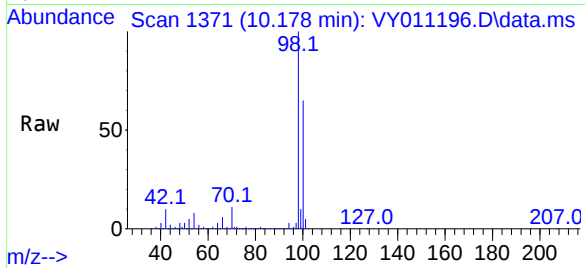




#50
Toluene-d8
Concen: 50.052 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

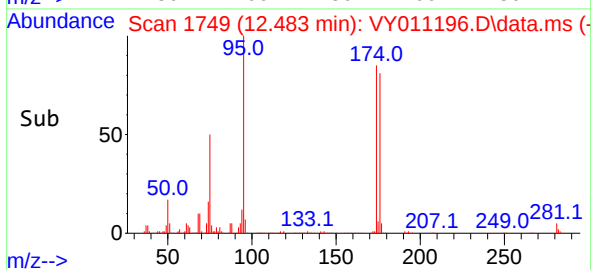
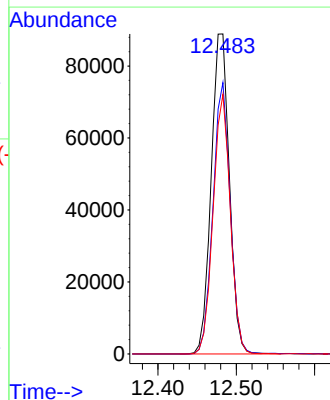
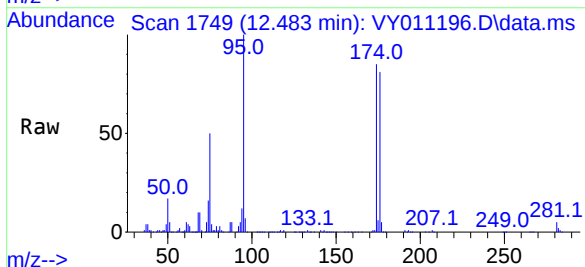
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

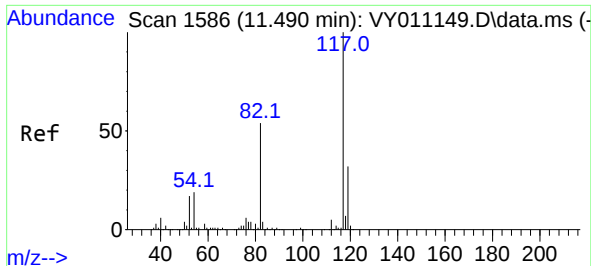
Tgt Ion: 98 Resp: 428999
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 51.118 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion: 95 Resp: 143361
Ion Ratio Lower Upper
95 100
174 80.4 0.0 177.0
176 76.7 0.0 175.8

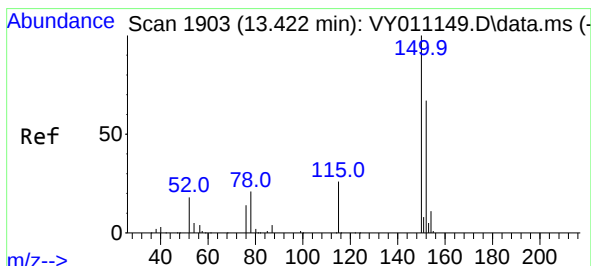
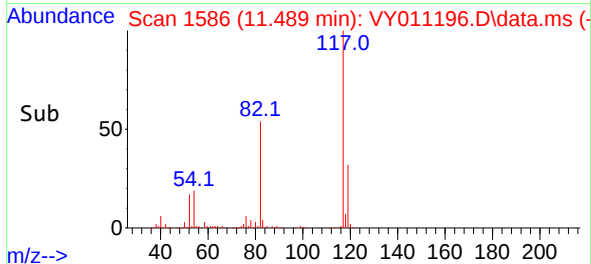
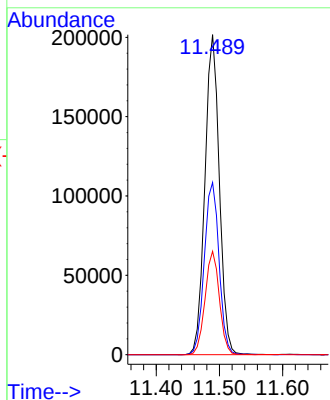
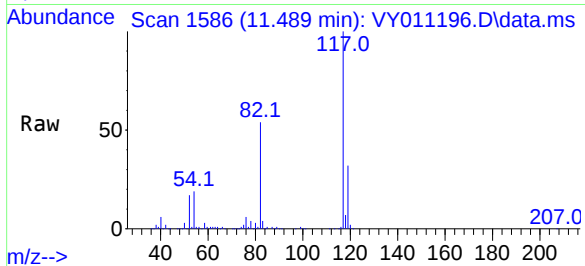




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

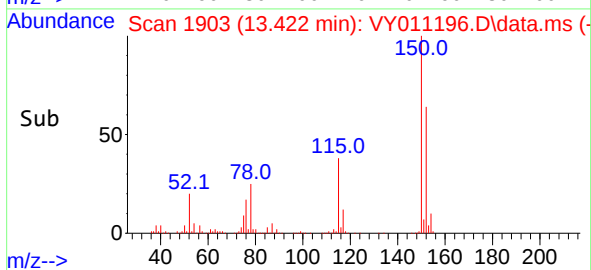
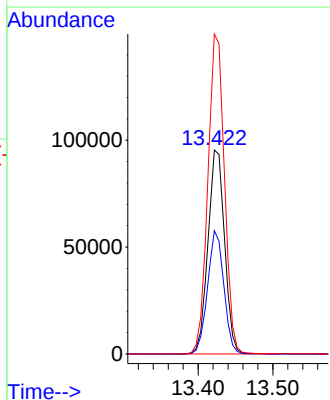
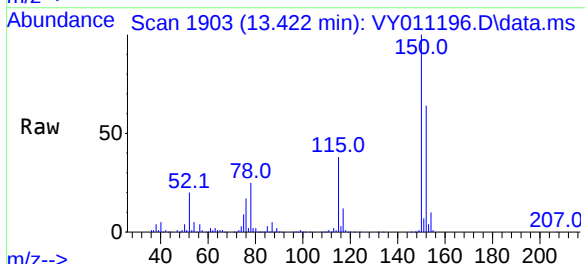
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

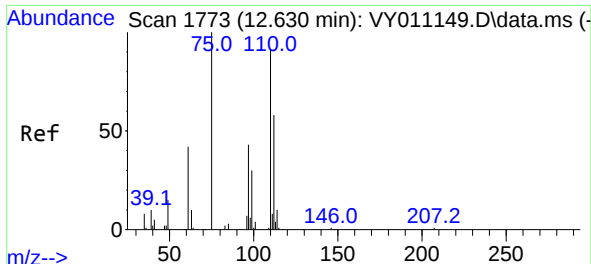
Tgt Ion:117 Resp: 320464
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Tgt Ion:152 Resp: 147714
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 156.2 0.0 347.6

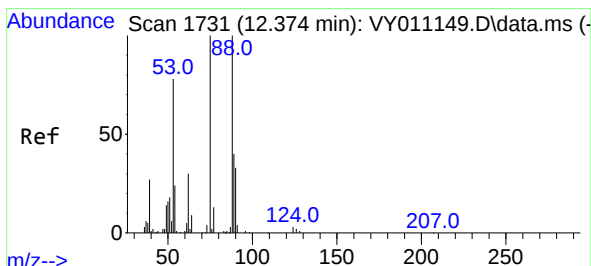
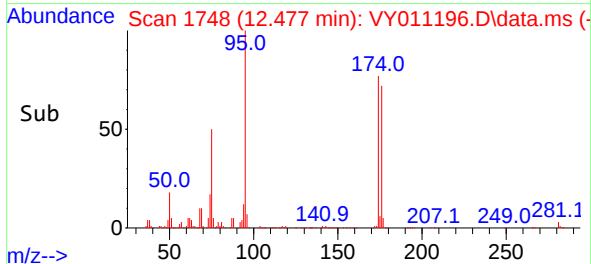
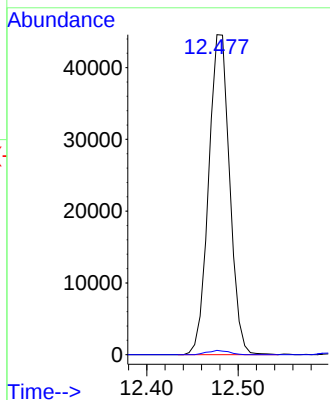
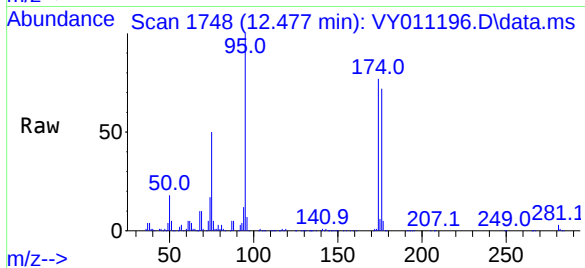




#76
1,2,3-Trichloropropane
Concen: 46.320 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

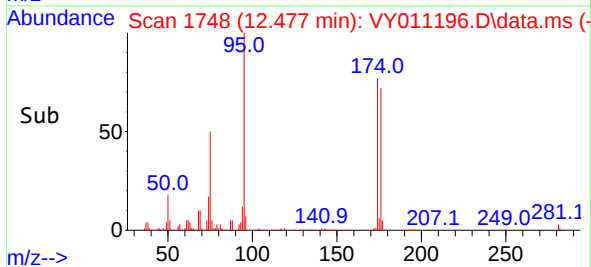
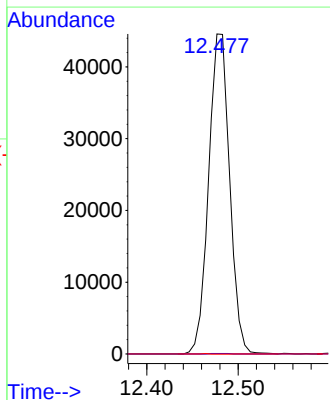
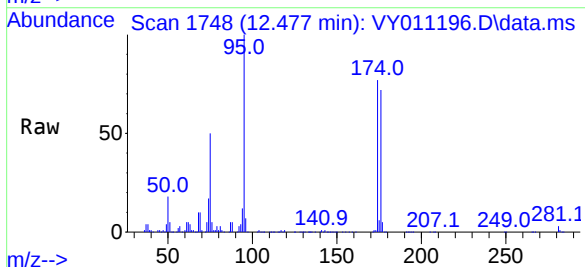
Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01

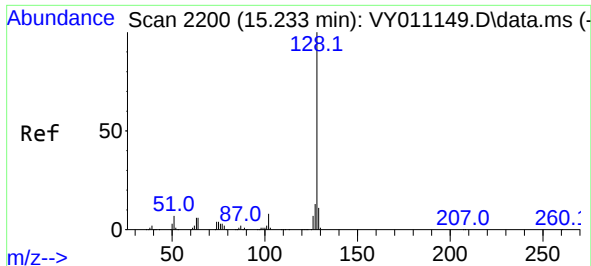
Tgt Ion: 75 Resp: 71135
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.368 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

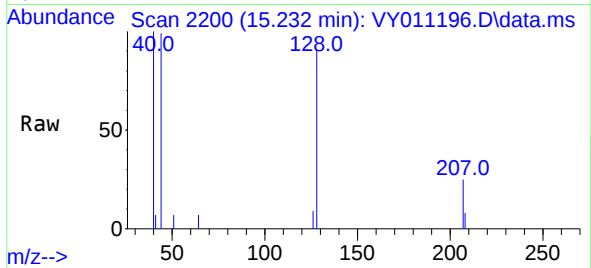
Tgt Ion: 75 Resp: 71135
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.551 ug/l
RT: 15.232 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY011196.D
Acq: 31 Oct 2022 14:50

Instrument :
MSVOA_Y
ClientSampleId :
VY1031SBL01



Tgt Ion:	128	Resp:	1142
Ion	Ratio	Lower	Upper
128	100		
127	5.7	11.0	16.4#
129	0.0	8.4	12.6#

