

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111022\
 Data File : VY011401.D
 Acq On : 10 Nov 2022 19:17
 Operator : KP/MD
 Sample : N5531-15
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-27

Quant Time: Nov 10 22:18:26 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)

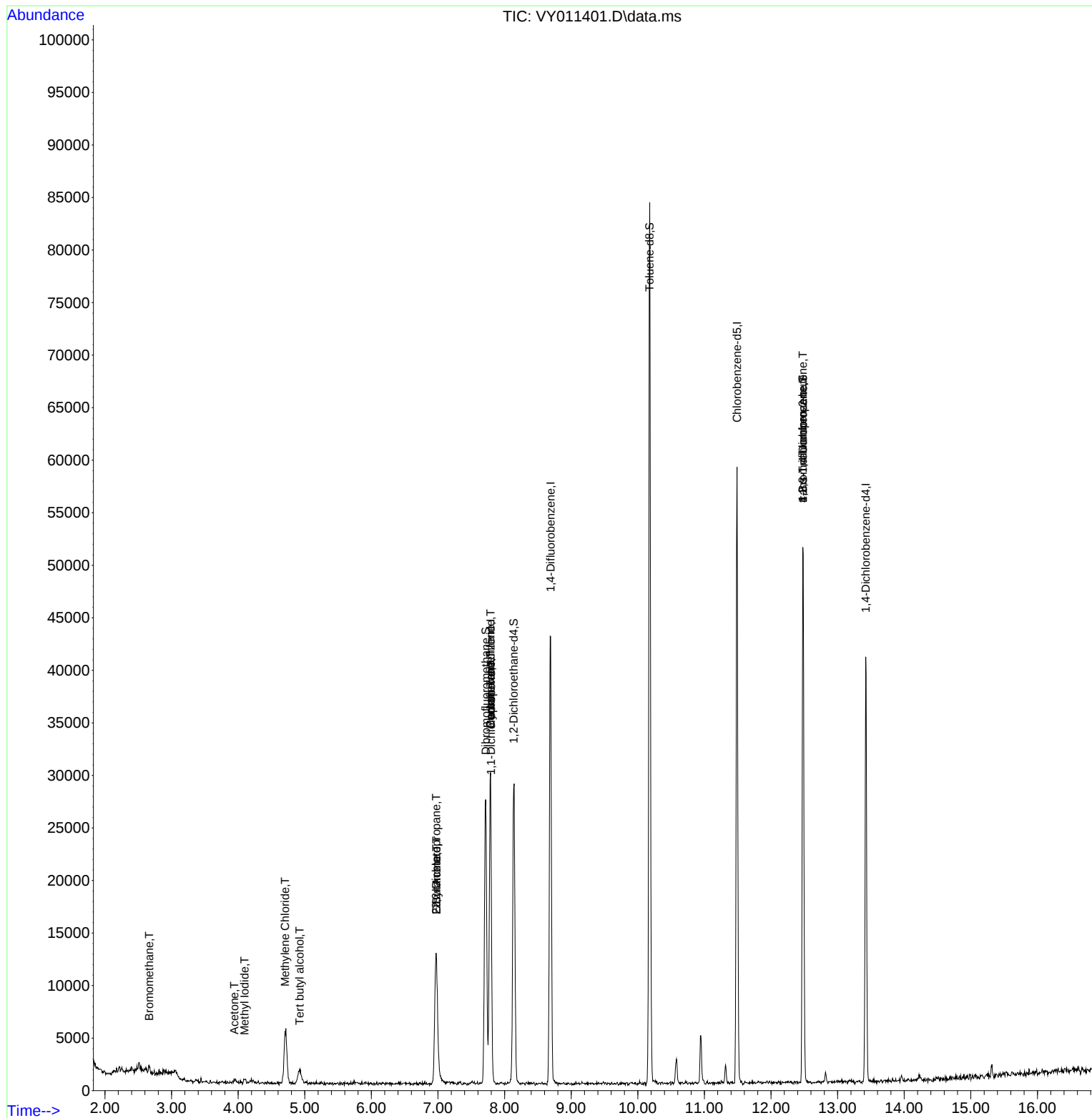
Internal Standards						
1) Pentafluorobenzene	7.789	168	24163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	40349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	34598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11533	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	23433	115.731	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 231.460%#	
35) Dibromofluoromethane	7.716	113	19900	88.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 176.000%#	
50) Toluene-d8	10.179	98	58960	68.251	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 136.500%	
62) 4-Bromofluorobenzene	12.477	95	16113	53.477	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.960%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	251	1.514	ug/l #	62
10) Methyl Iodide	4.094	142	567	1.941	ug/l #	74
11) Tert butyl alcohol	4.924	59	1577	37.544	ug/l #	77
16) Acetone	3.942	43	336	6.289	ug/l	92
18) Methyl Acetate	4.198	43	30	Below Cal	#	56
20) Methylene Chloride	4.704	84	4487	9.360	ug/l #	72
25) 2-Butanone	6.978	43	637	8.370	ug/l #	54
26) 2,2-Dichloropropane	6.972	77	990	2.603	ug/l #	55
31) Cyclohexane	7.789	56	396	1.088	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	1744	4.969	ug/l #	47
37) Ethyl Acetate	6.978	43	637	3.778	ug/l #	1
38) Carbon Tetrachloride	7.789	117	2325	6.090	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	7707	57.731	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	7707	138.769	ug/l #	7

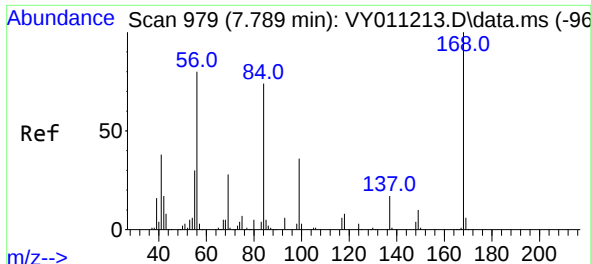
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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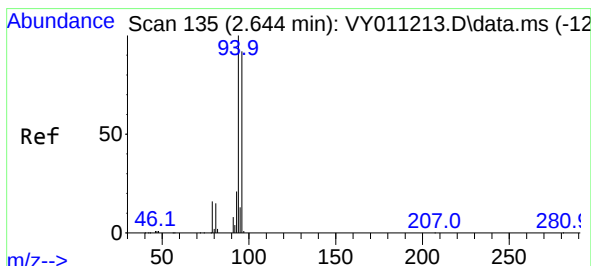
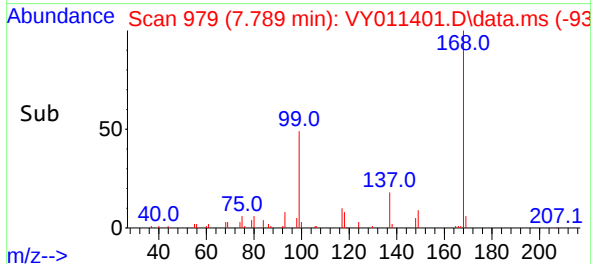
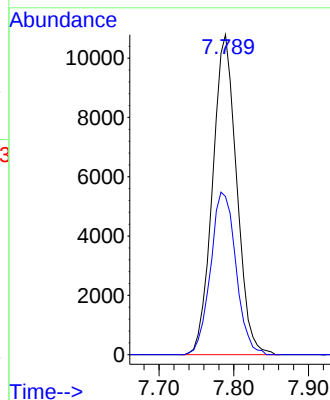
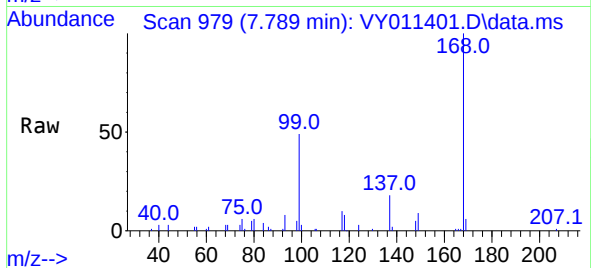




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

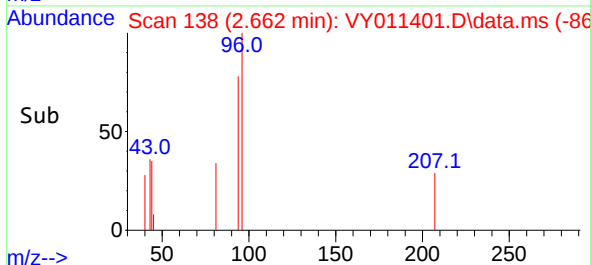
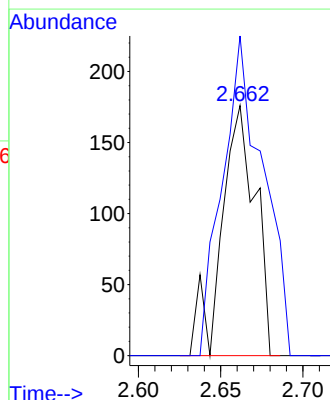
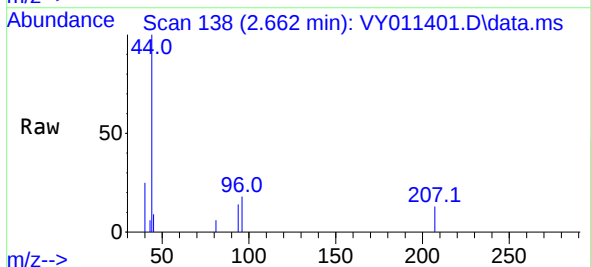
Instrument :
MSVOA_Y
ClientSampleId :
SB-27

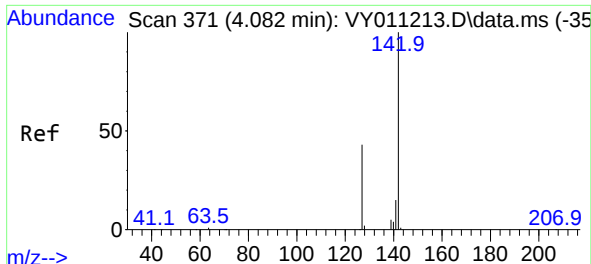
Tgt Ion:168 Resp: 24163
Ion Ratio Lower Upper
168 100
99 49.5 46.9 70.3



#5
Bromomethane
Concen: 1.514 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 127.8 73.5 110.3#





#10

Methyl Iodide

Concen: 1.941 ug/l

RT: 4.094 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY011401.D

Acq: 10 Nov 2022 19:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-27

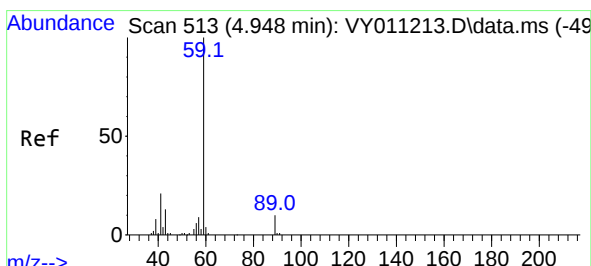
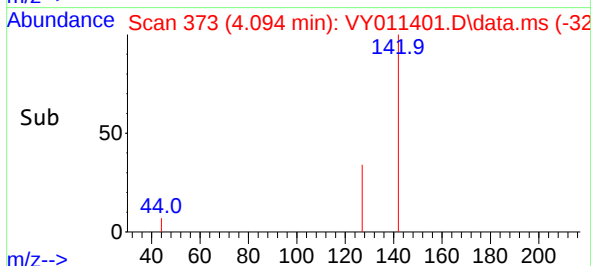
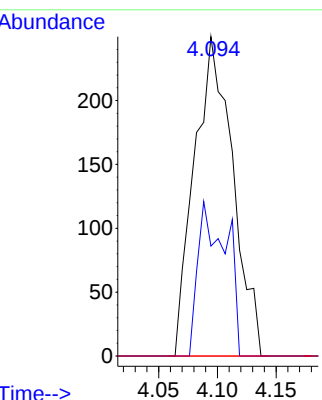
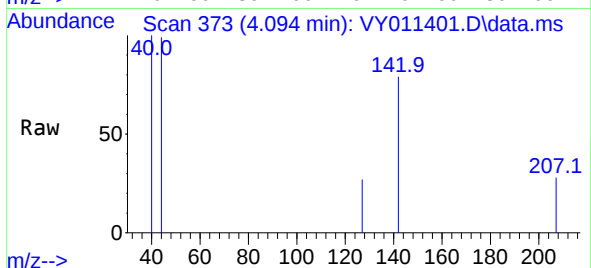
Tgt Ion:142 Resp: 567

Ion Ratio Lower Upper

142 100

127 35.6 41.5 62.3#

141 0.0 11.9 17.9#



#11

Tert butyl alcohol

Concen: 37.544 ug/l

RT: 4.924 min Scan# 509

Delta R.T. -0.030 min

Lab File: VY011401.D

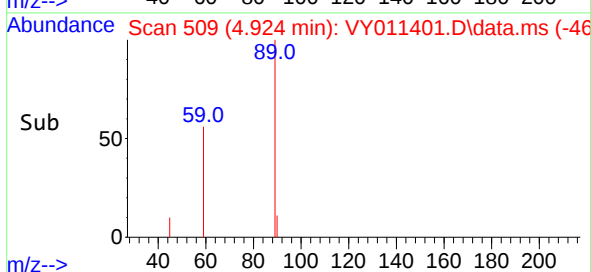
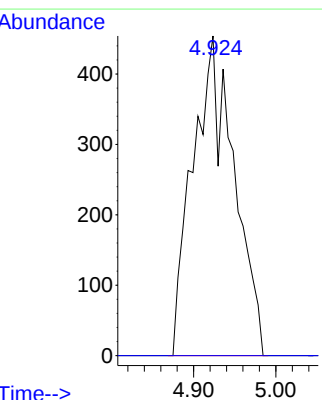
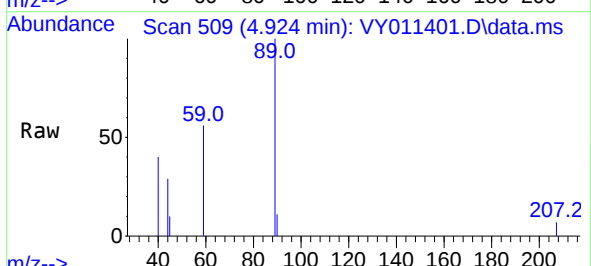
Acq: 10 Nov 2022 19:17

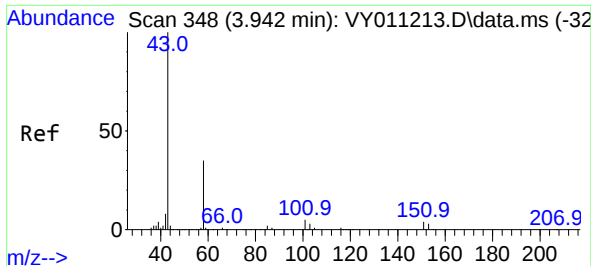
Tgt Ion: 59 Resp: 1577

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#

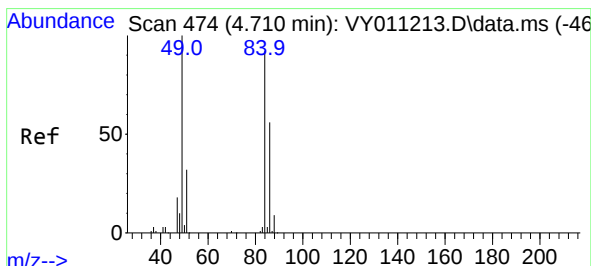
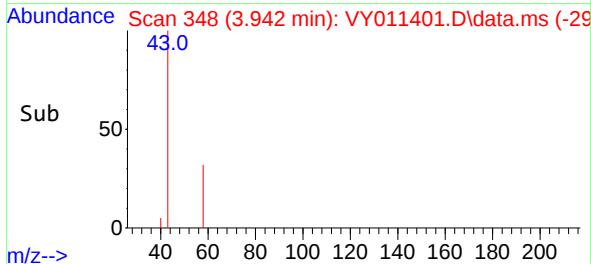
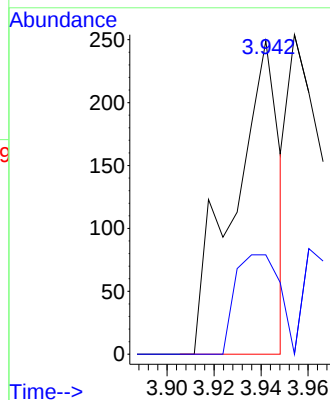
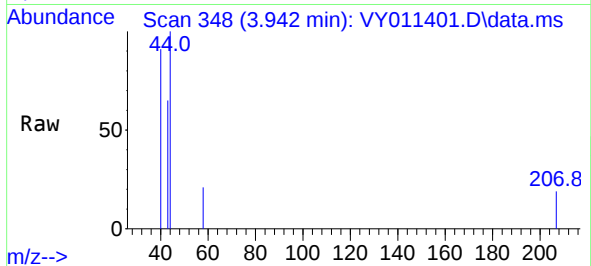




#16
Acetone
Concen: 6.289 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

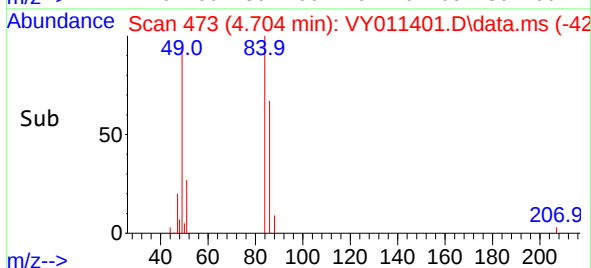
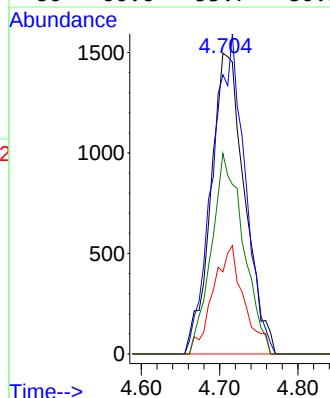
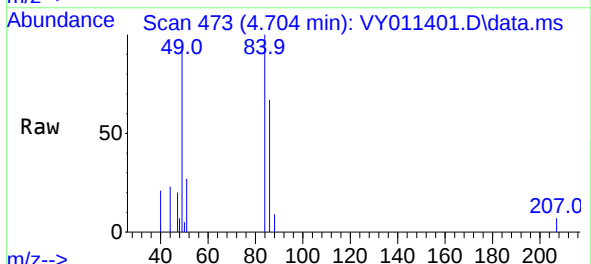
Instrument :
MSVOA_Y
ClientSampleId :
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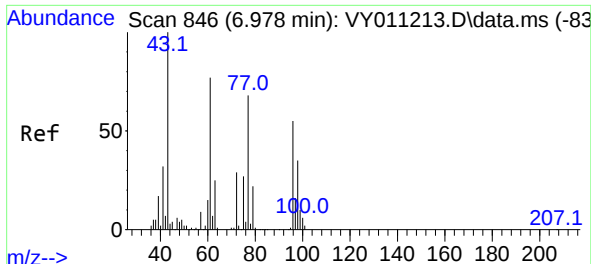
Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0



#20
Methylene Chloride
Concen: 9.360 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

Tgt Ion: 84 Resp: 4487
Ion Ratio Lower Upper
84 100
49 92.8 114.4 171.6#
51 27.3 35.3 52.9#
86 66.6 53.7 80.5

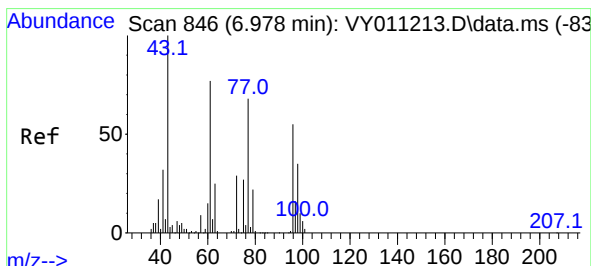
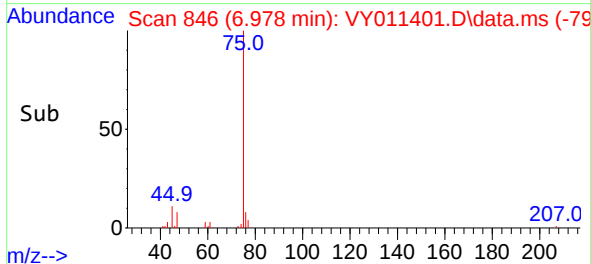
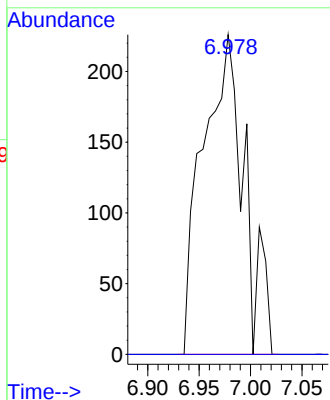
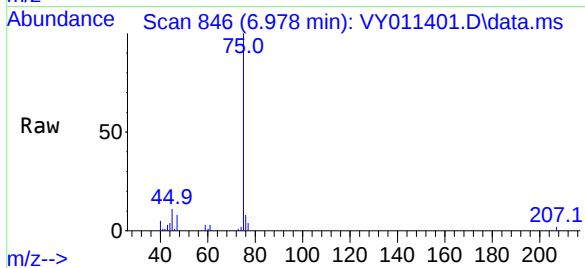




#25
2-Butanone
Concen: 8.370 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

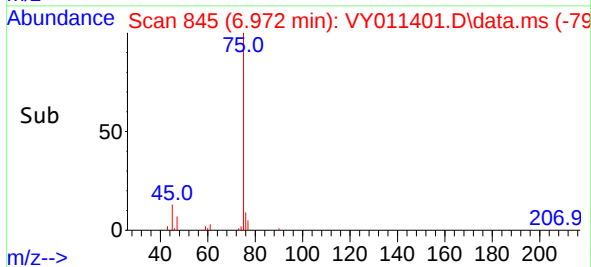
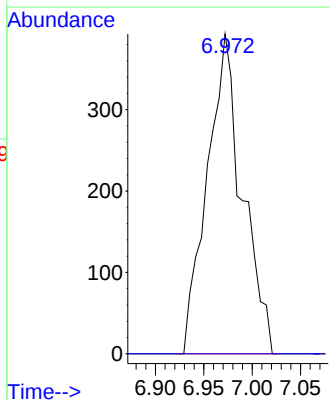
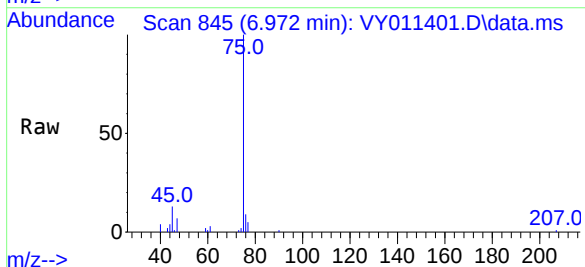
Instrument :
MSVOA_Y
ClientSampleId :
SB-27

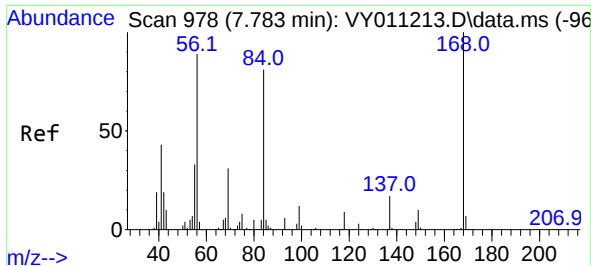
Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 2.603 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

Tgt Ion: 77 Resp: 990
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

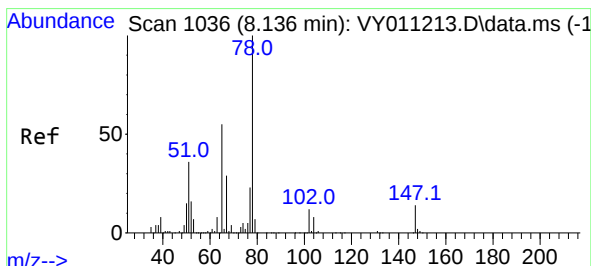
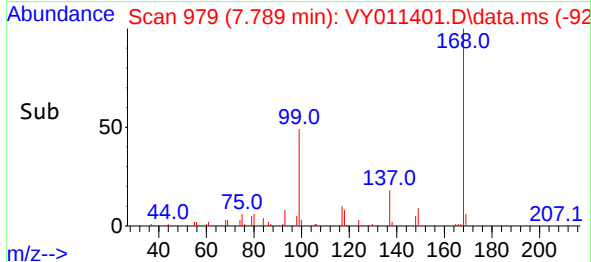
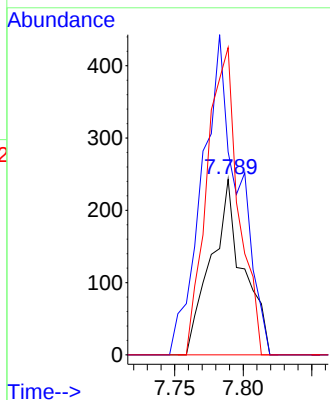
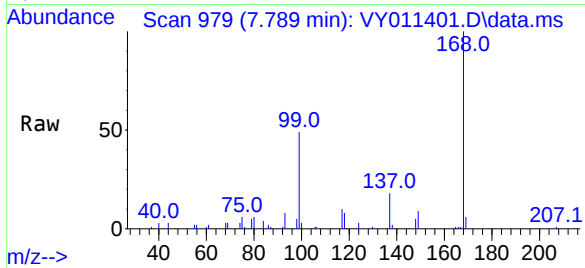




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

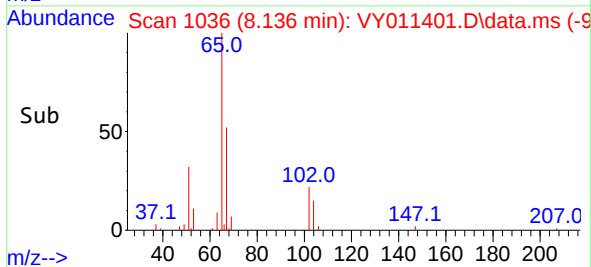
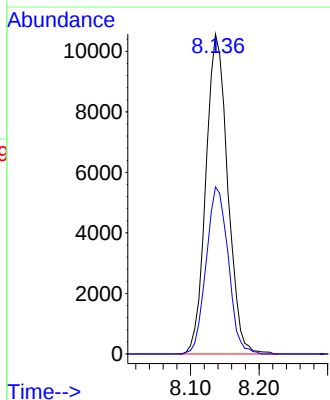
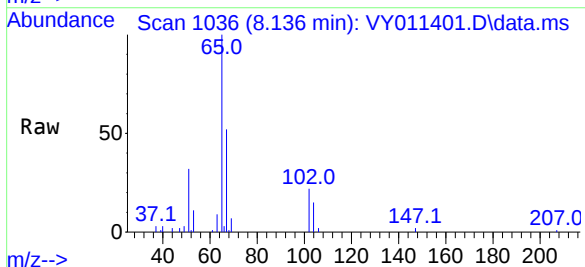
Instrument :
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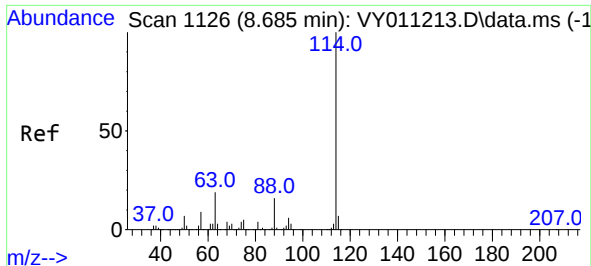
Tgt Ion: 56 Resp: 396
Ion Ratio Lower Upper
56 100
69 115.6 26.7 40.1#
84 174.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 115.731 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

Tgt Ion: 65 Resp: 23433
Ion Ratio Lower Upper
65 100
67 52.7 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: VY011401.D

Acq: 10 Nov 2022 19:17

Instrument :

MSVOA_Y

ClientSampleId :

SB-27

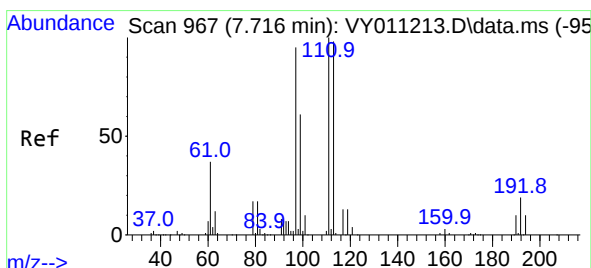
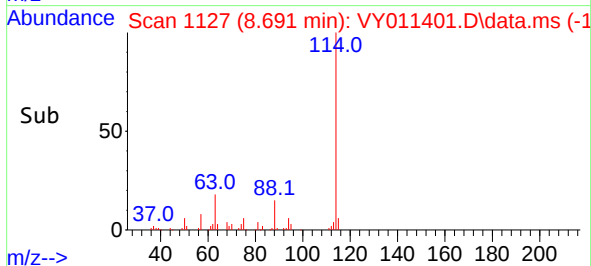
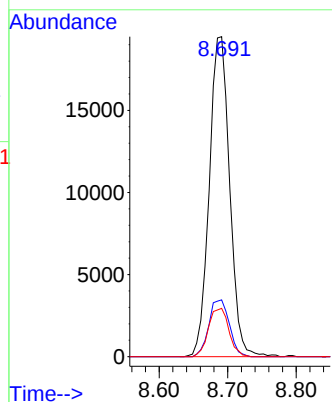
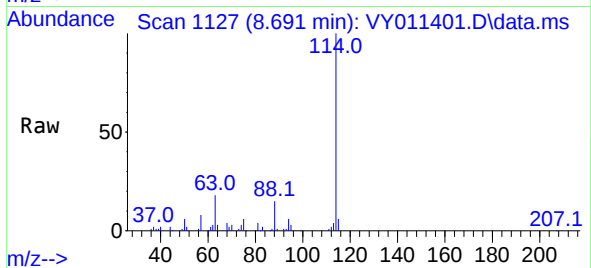
Tgt Ion:114 Resp: 40349

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 88.004 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011401.D

Acq: 10 Nov 2022 19:17

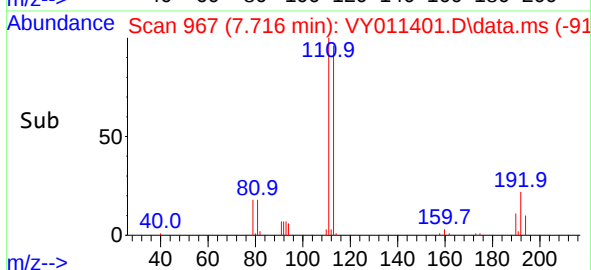
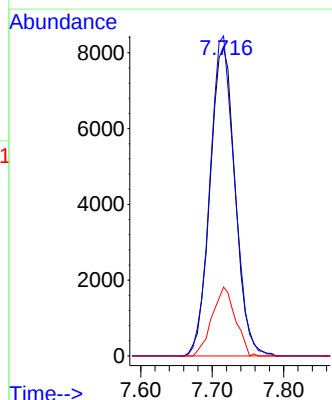
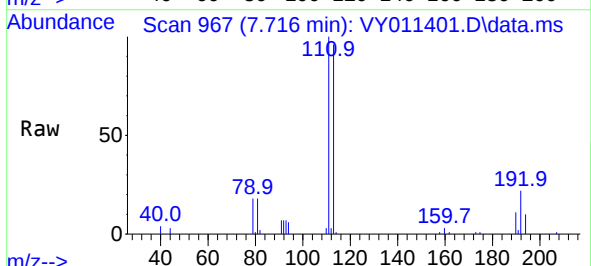
Tgt Ion:113 Resp: 19900

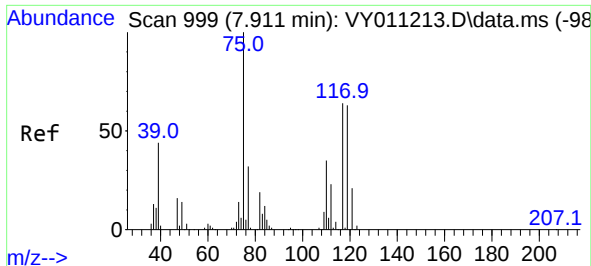
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 20.7 17.6 26.4

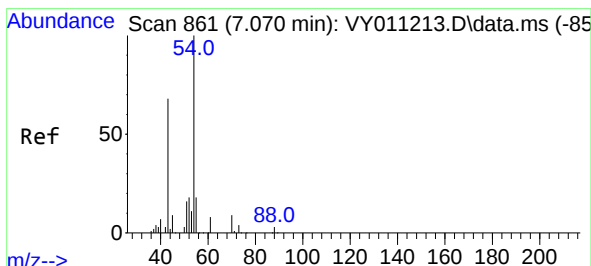
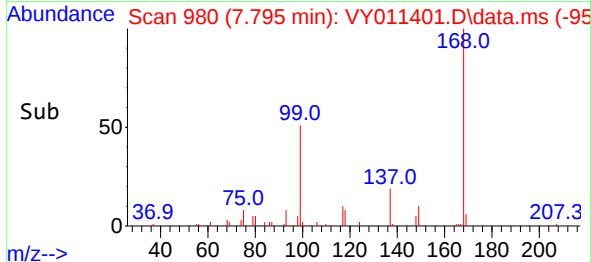
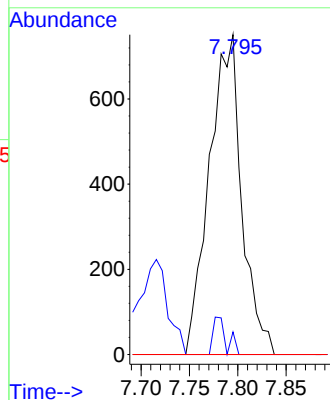
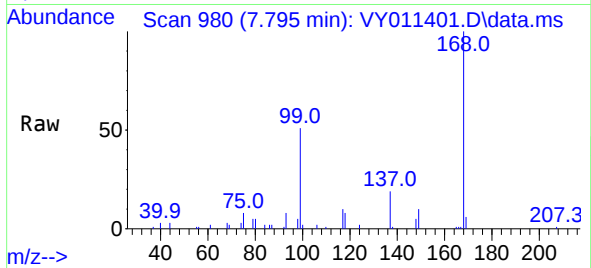




#36
1,1-Dichloropropene
Concen: 4.969 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

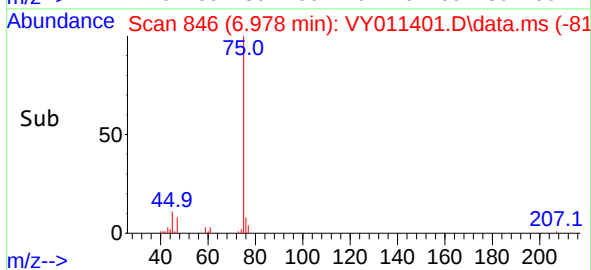
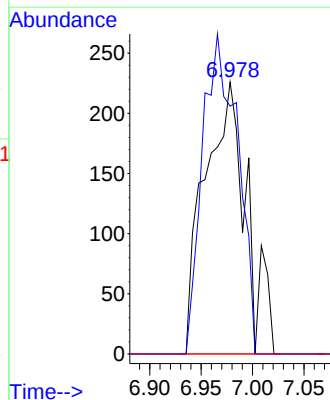
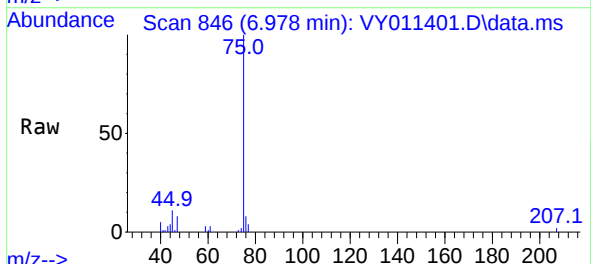
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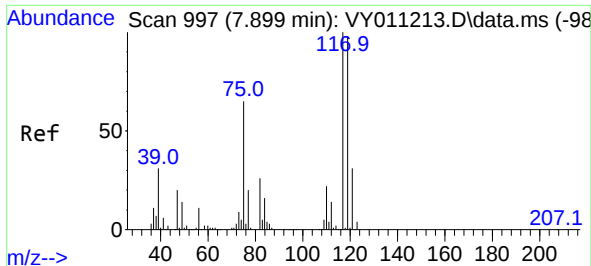
Tgt Ion: 75 Resp: 1744
Ion Ratio Lower Upper
75 100
110 4.8 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.778 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
61 99.5 9.7 14.5#
70 0.0 7.1 10.7#

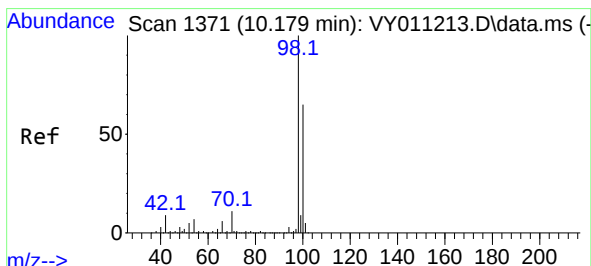
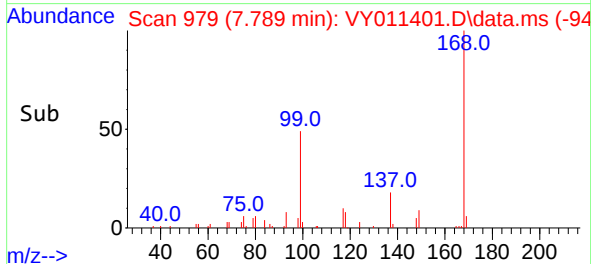
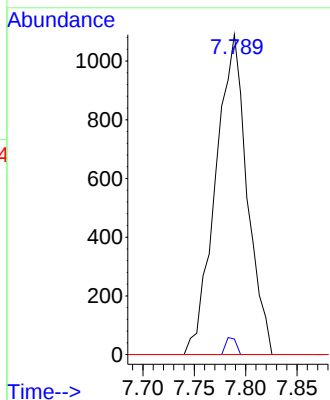
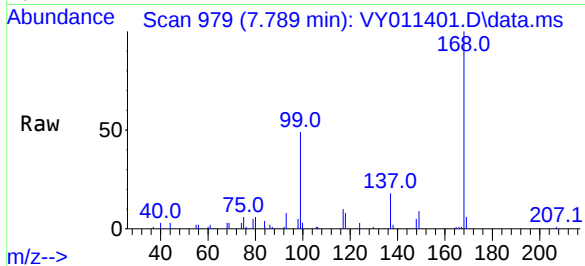




#38
Carbon Tetrachloride
Concen: 6.090 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

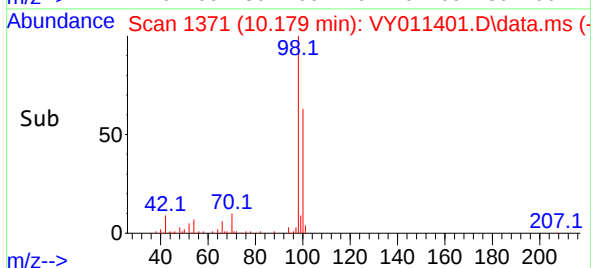
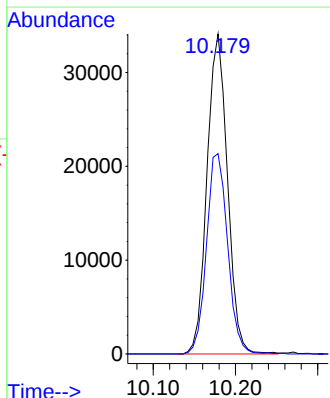
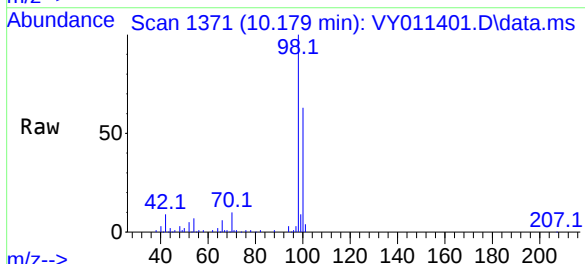
Instrument :
MSVOA_Y
ClientSampleId :
SB-27

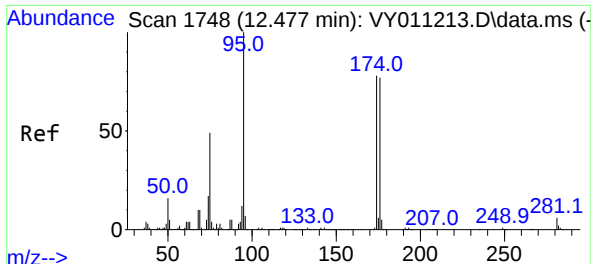
Tgt Ion:117 Resp: 2325
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 68.251 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

Tgt Ion: 98 Resp: 58960
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

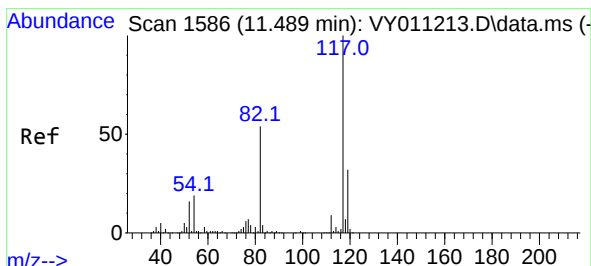
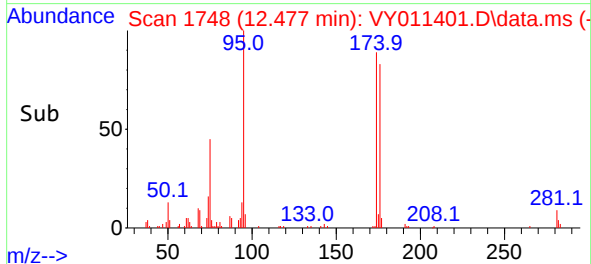
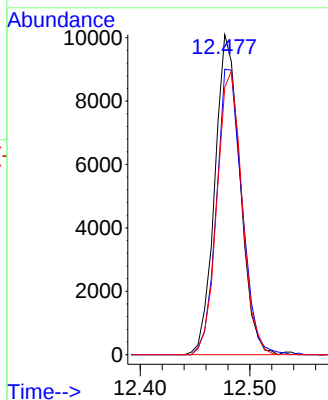
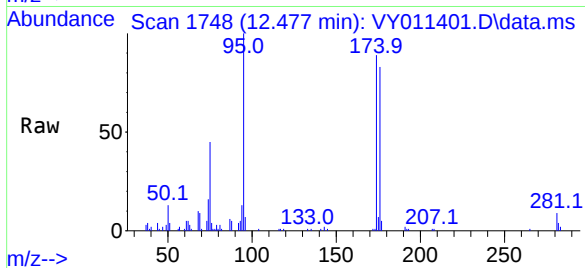




#62
4-Bromofluorobenzene
Concen: 53.477 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

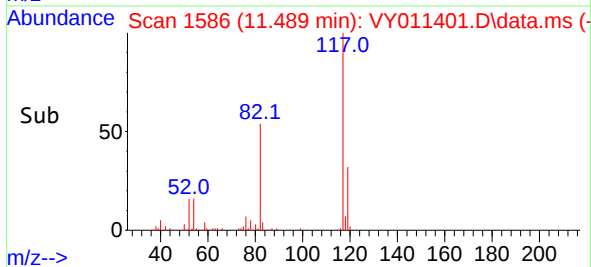
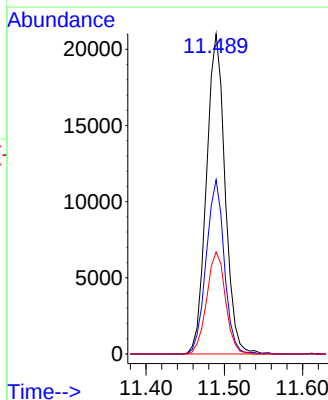
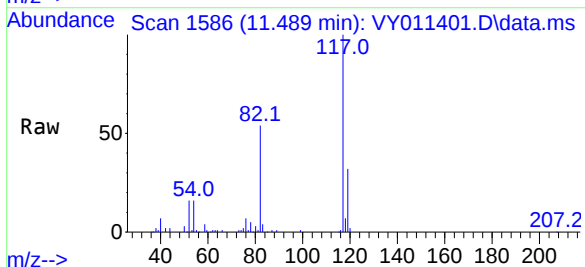
Instrument :
MSVOA_Y
ClientSampleId :
SB-27

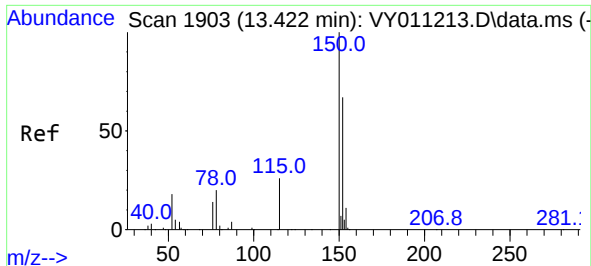
Tgt Ion: 95 Resp: 16113
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.0
176 87.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011401.D
Acq: 10 Nov 2022 19:17

Tgt Ion: 117 Resp: 34598
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 31.8 25.4 38.0

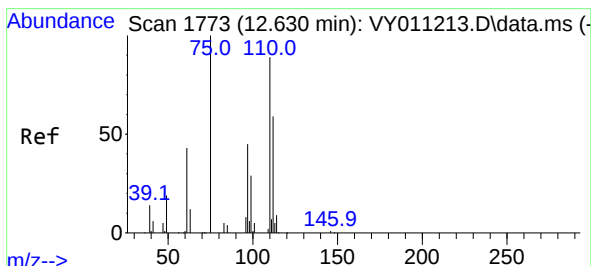
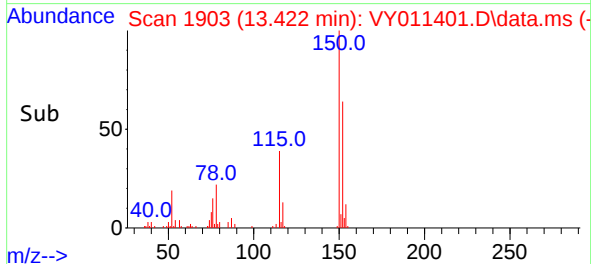
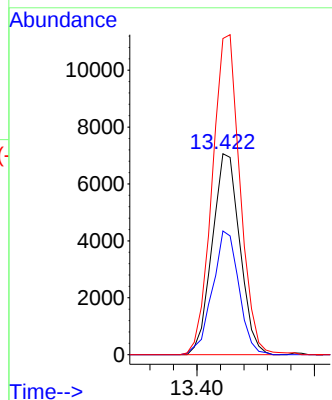
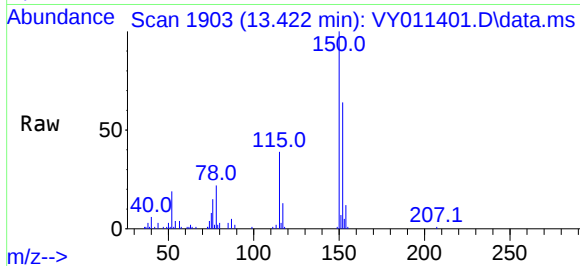




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011401.D
 Acq: 10 Nov 2022 19:17

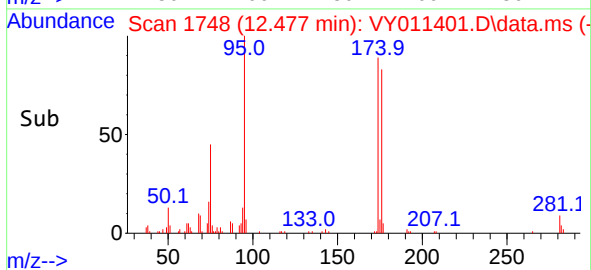
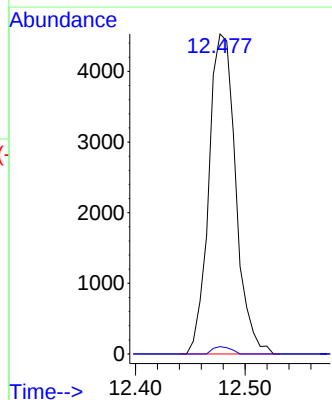
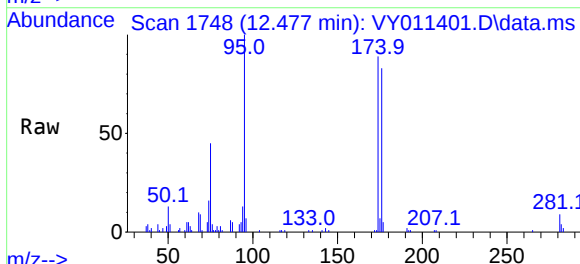
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-27

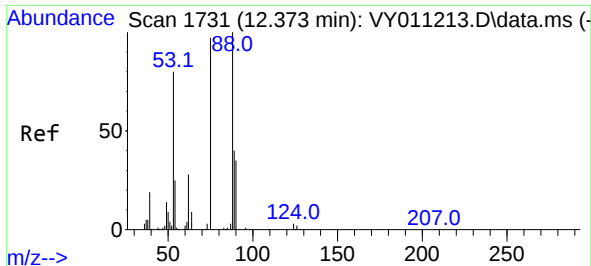
Tgt Ion:152 Resp: 11533
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.2 84.7
 150 160.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 57.731 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011401.D
 Acq: 10 Nov 2022 19:17

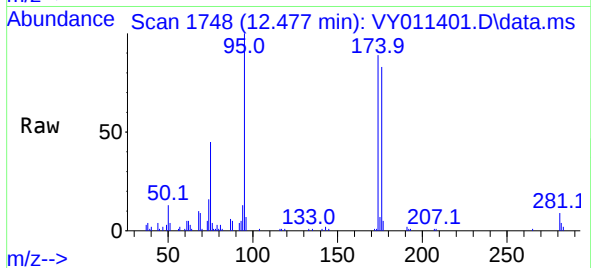
Tgt Ion: 75 Resp: 7707
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.769 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011401.D
 Acq: 10 Nov 2022 19:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-27



Tgt Ion: 75 Resp: 7707
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

