

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110722\
 Data File : VY011339.D
 Acq On : 07 Nov 2022 16:48
 Operator : KP/MD
 Sample : N5495-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-14

Quant Time: Nov 08 03:30:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

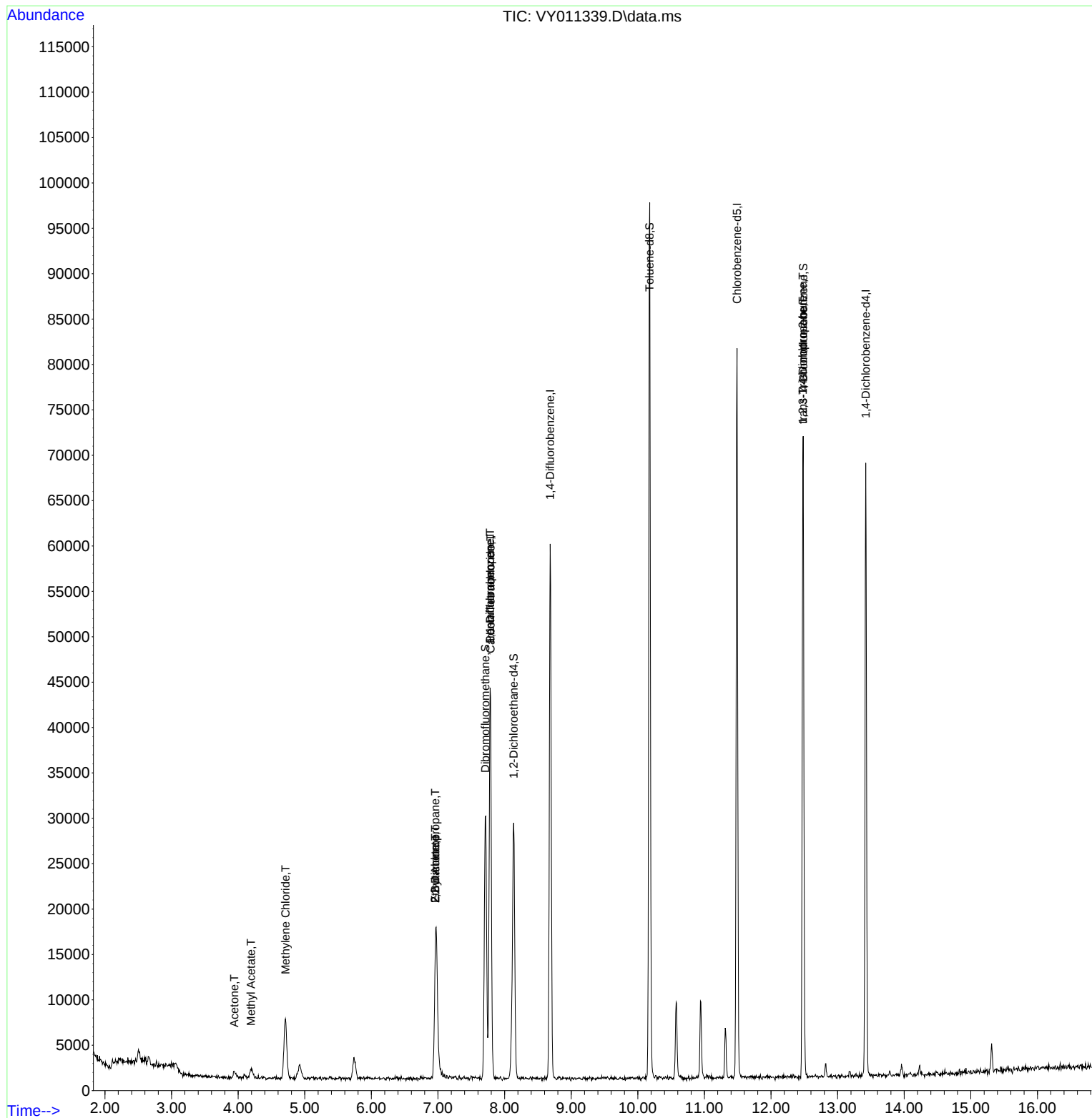
Internal Standards						
1) Pentafluorobenzene	7.783	168	35467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	52725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	46369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	18914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	20664	54.476	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.960%			
35) Dibromofluoromethane	7.710	113	22059	65.118	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 130.240%			
50) Toluene-d8	10.179	98	66622	50.653	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.483	95	20198	44.235	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.480%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	1795	Below Cal	#	77
16) Acetone	3.942	43	1380	12.052	ug/l	99
18) Methyl Acetate	4.192	43	451	1.488	ug/l #	56
20) Methylene Chloride	4.710	84	5453	7.356	ug/l #	78
25) 2-Butanone	6.960	43	929	5.766	ug/l #	54
26) 2,2-Dichloropropane	6.960	77	1544	2.225	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	2639	4.770	ug/l #	46
37) Ethyl Acetate	6.960	43	929	3.115	ug/l #	1
38) Carbon Tetrachloride	7.789	117	3508	6.112	ug/l #	19
76) 1,2,3-Trichloropropane	12.477	75	9943	43.181	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9943	92.413	ug/l #	7

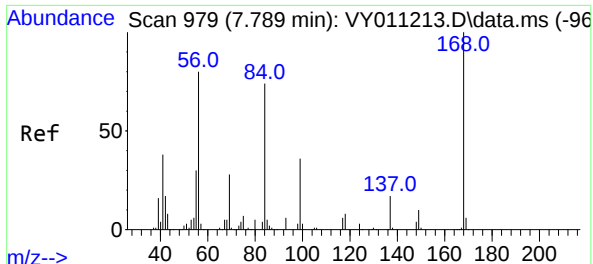
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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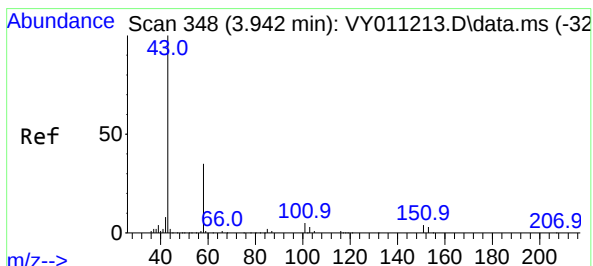
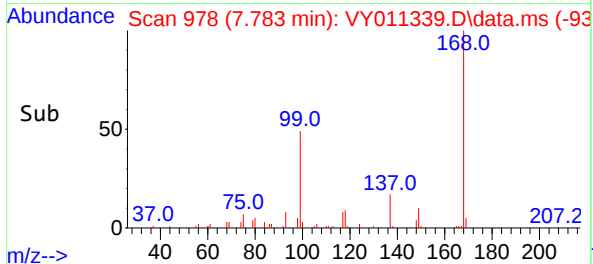
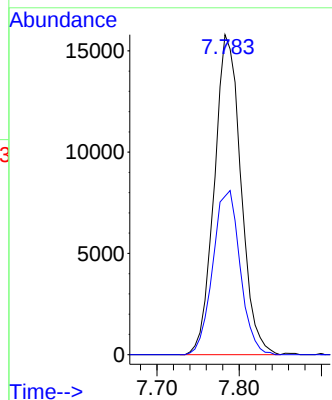
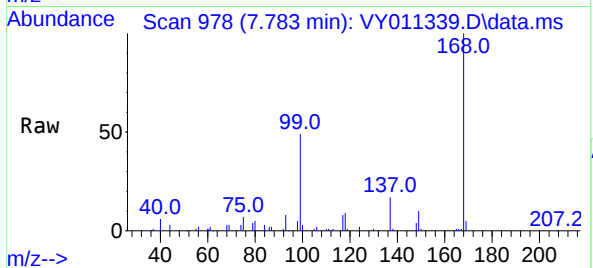




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

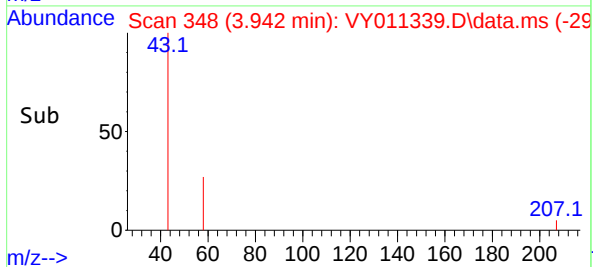
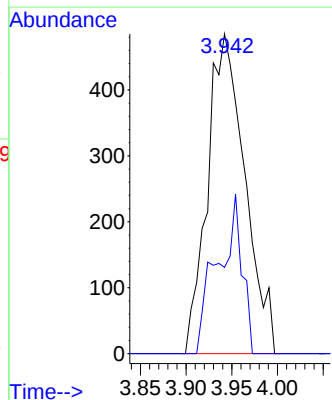
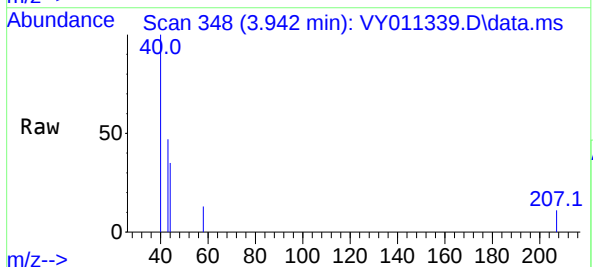
Instrument :
MSVOA_Y
ClientSampleId :
SB-14

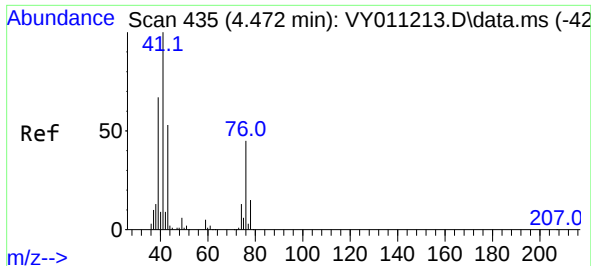
Tgt Ion:168 Resp: 35467
Ion Ratio Lower Upper
168 100
99 49.5 46.9 70.3



#16
Acetone
Concen: 12.052 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
58 27.0 22.0 33.0

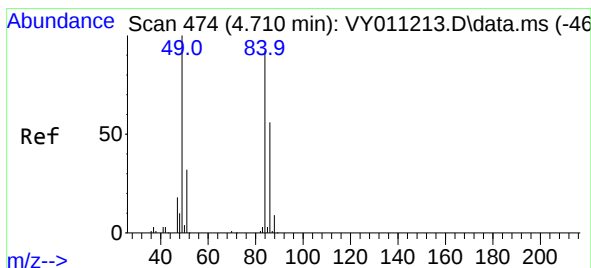
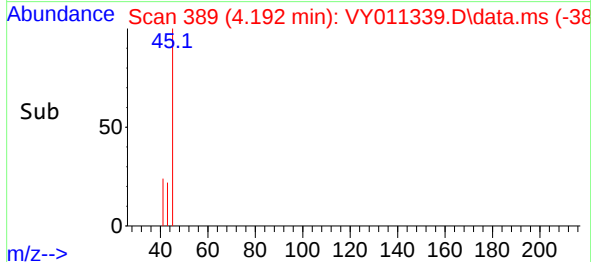
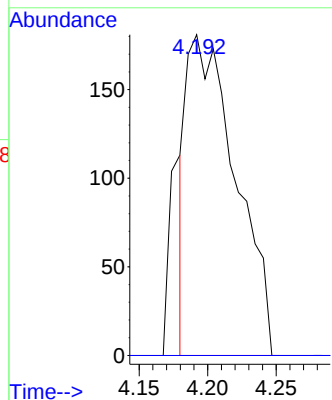
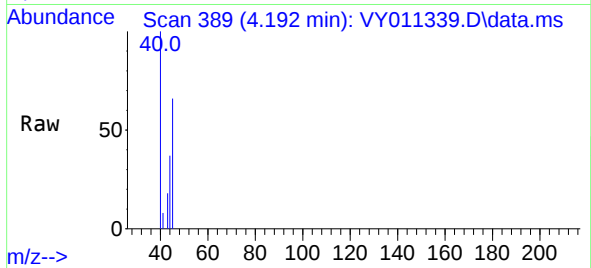




#18
Methyl Acetate
Concen: 1.488 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.281 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

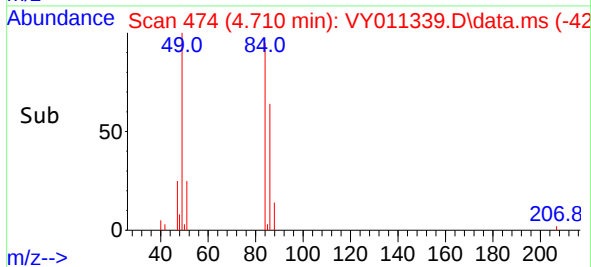
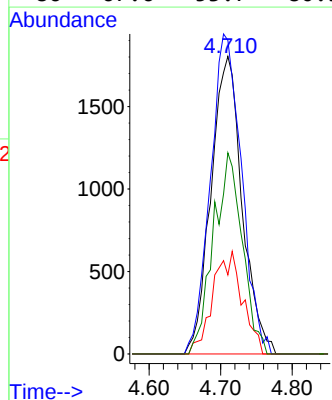
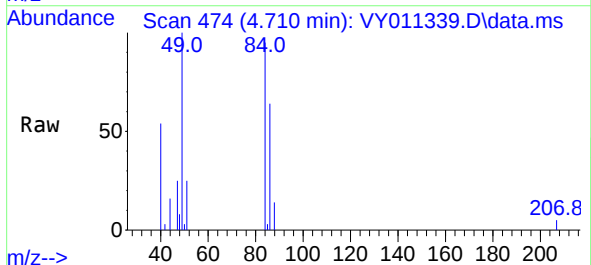
Instrument :
MSVOA_Y
ClientSampleId :
SB-14

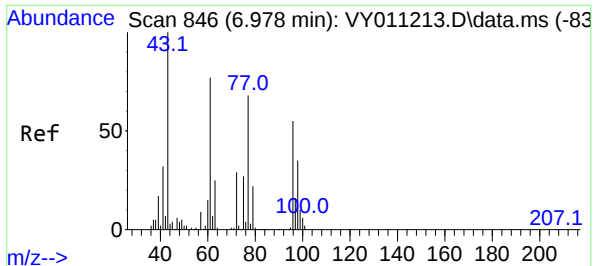
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 7.356 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Tgt Ion: 84 Resp: 5453
Ion Ratio Lower Upper
84 100
49 105.4 114.4 171.6#
51 26.6 35.3 52.9#
86 67.6 53.7 80.5





#25

2-Butanone

Concen: 5.766 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY011339.D

Acq: 07 Nov 2022 16:48

Instrument :

MSVOA_Y

ClientSampleId :

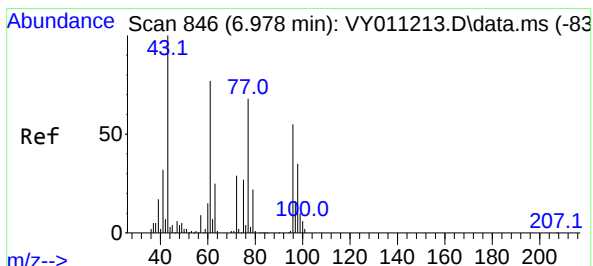
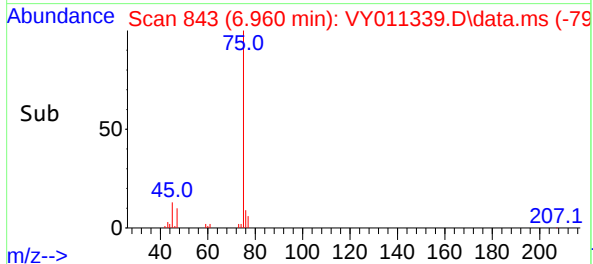
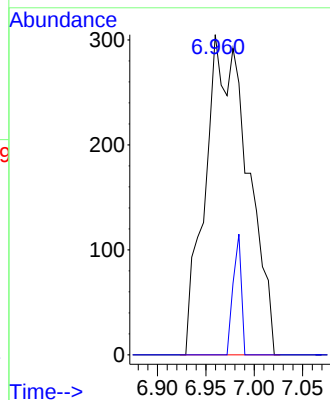
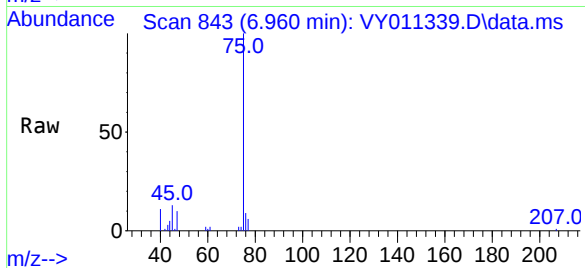
SB-14

Tgt Ion: 43 Resp: 929

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 2.225 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY011339.D

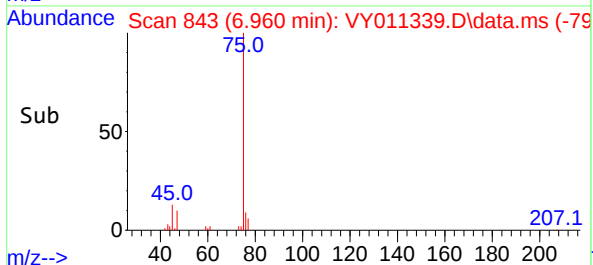
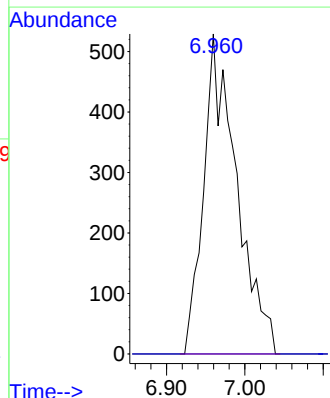
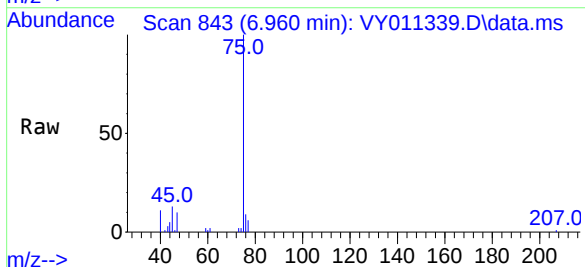
Acq: 07 Nov 2022 16:48

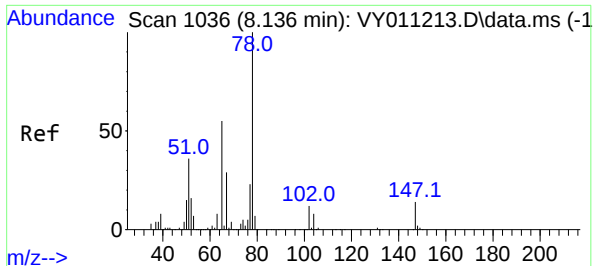
Tgt Ion: 77 Resp: 1544

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 54.476 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011339.D

Acq: 07 Nov 2022 16:48

Instrument :

MSVOA_Y

ClientSampleId :

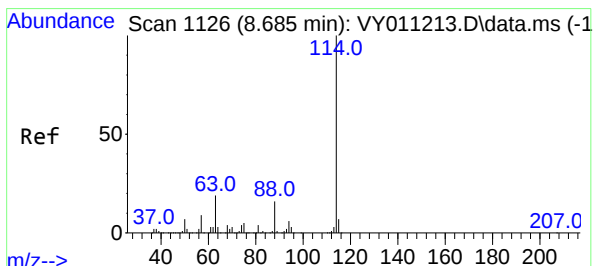
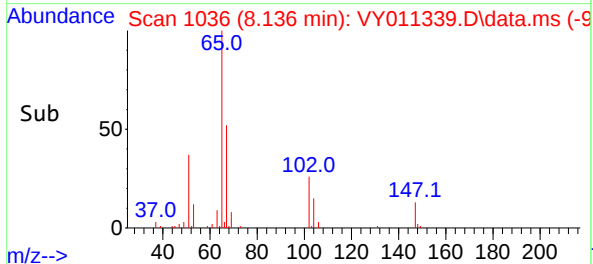
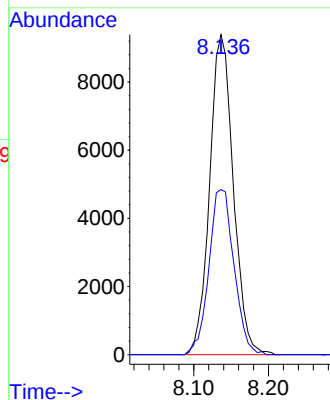
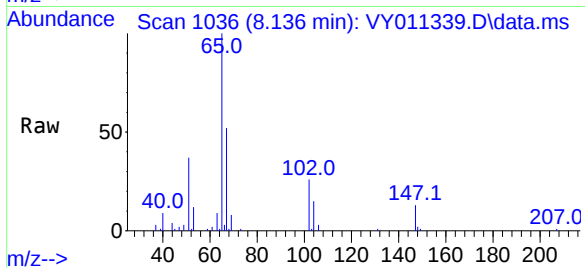
SB-14

Tgt Ion: 65 Resp: 20664

Ion Ratio Lower Upper

65 100

67 54.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011339.D

Acq: 07 Nov 2022 16:48

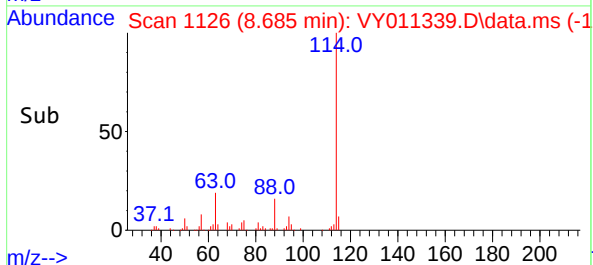
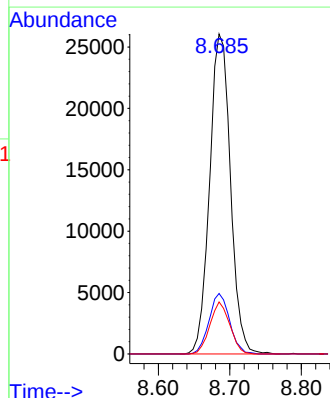
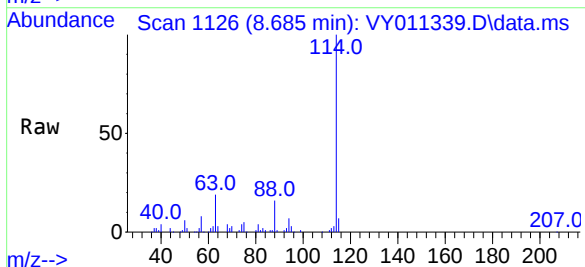
Tgt Ion: 114 Resp: 52725

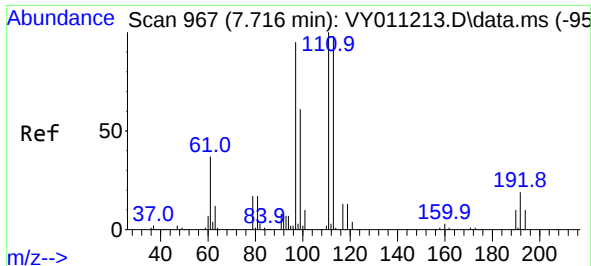
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 16.3 0.0 31.8

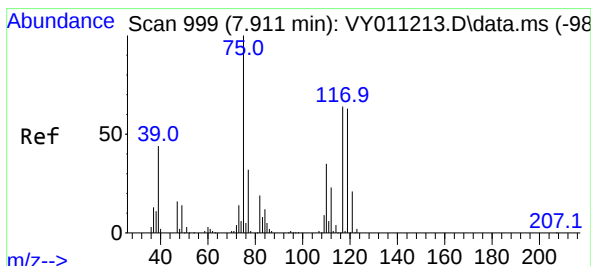
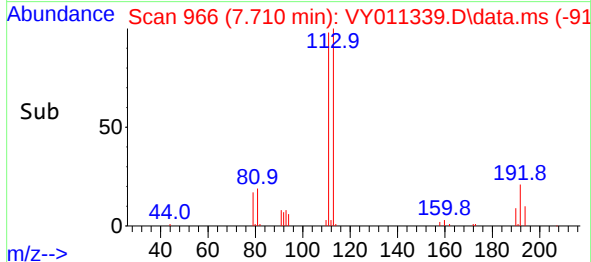
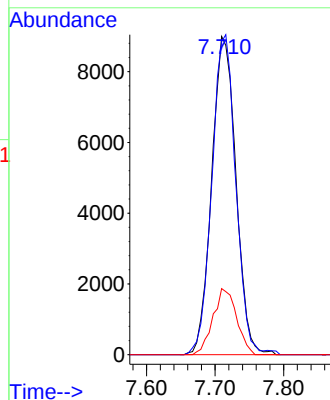
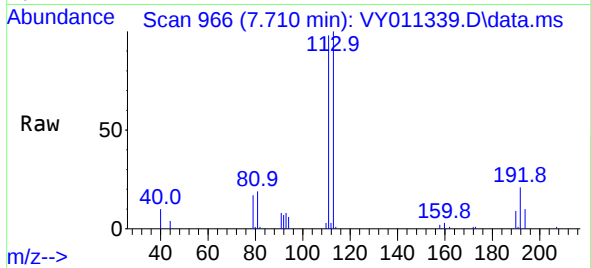




#35
Dibromofluoromethane
Concen: 65.118 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

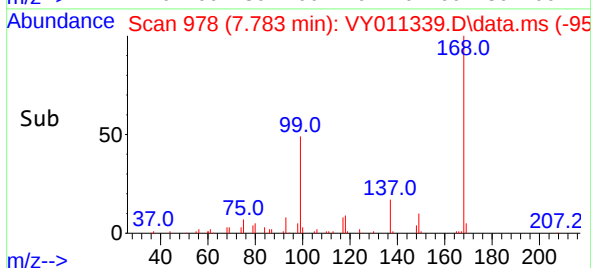
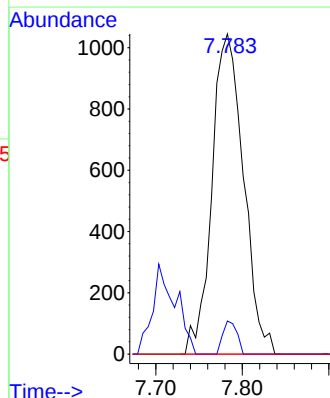
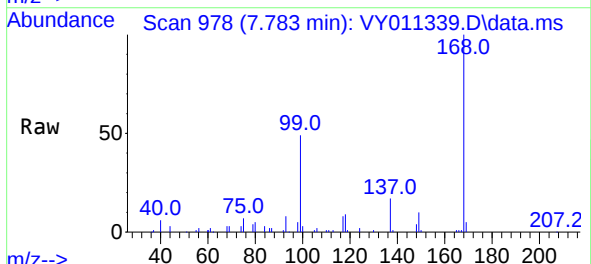
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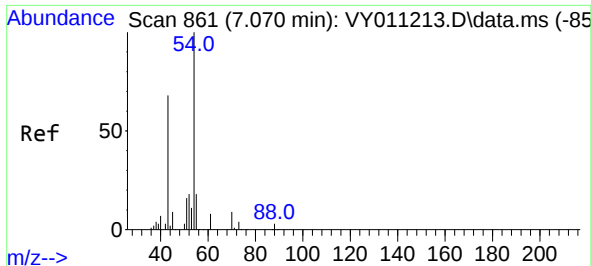
Tgt Ion:	113	Resp:	22059
Ion	Ratio	Lower	Upper
113	100		
111	98.7	82.6	124.0
192	20.2	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.770 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Tgt Ion:	75	Resp:	2639
Ion	Ratio	Lower	Upper
75	100		
110	4.6	17.1	51.2#
77	0.0	24.4	36.6#

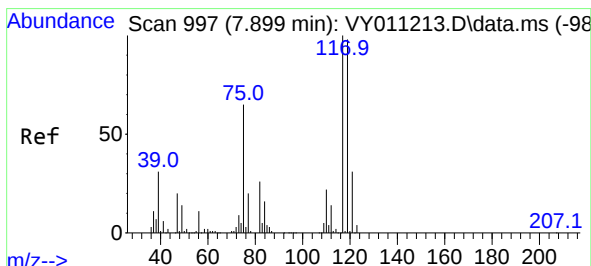
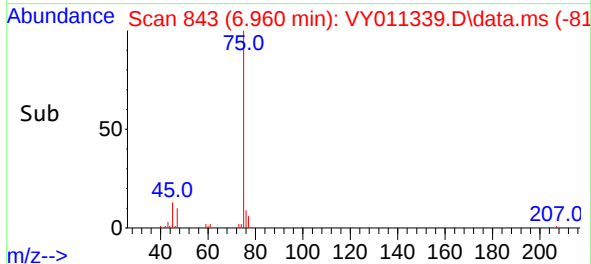
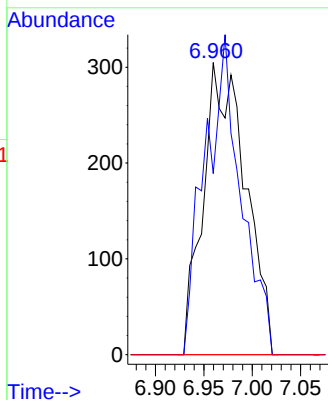
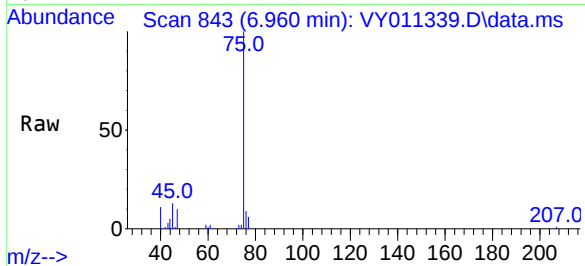




#37
Ethyl Acetate
Concen: 3.115 ug/l
RT: 6.960 min Scan# 841
Delta R.T. -0.110 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

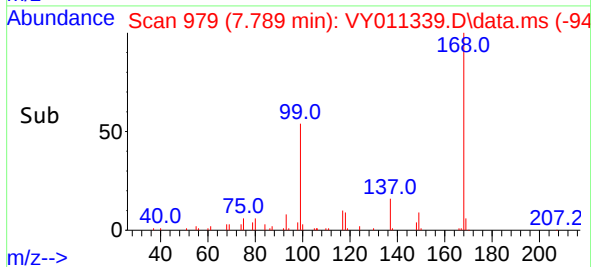
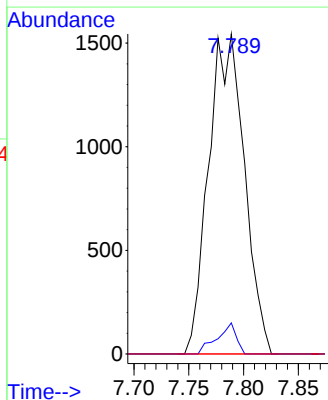
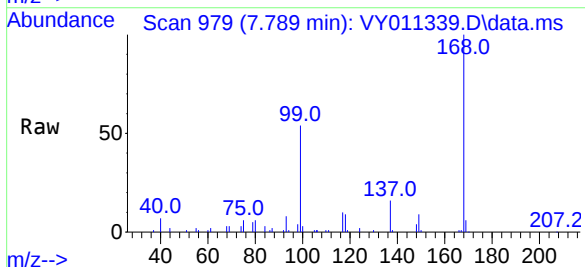
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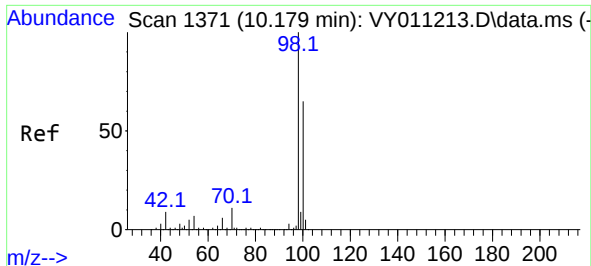
Tgt Ion: 43 Resp: 929
Ion Ratio Lower Upper
43 100
61 93.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.112 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Tgt Ion: 117 Resp: 3508
Ion Ratio Lower Upper
117 100
119 9.7 77.9 116.9#
121 0.0 24.8 37.2#

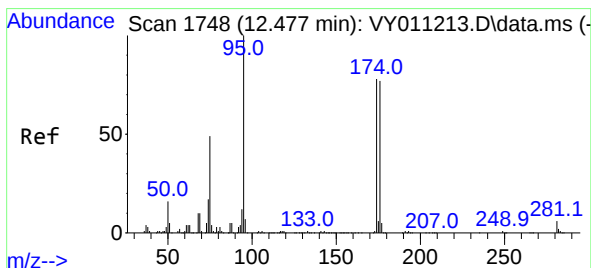
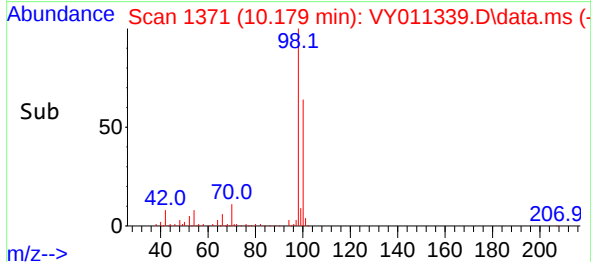
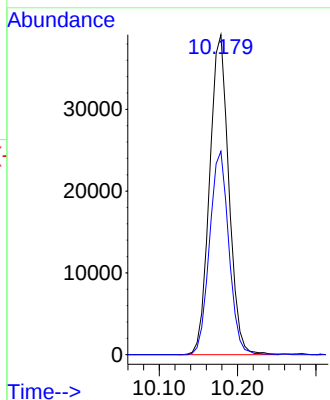
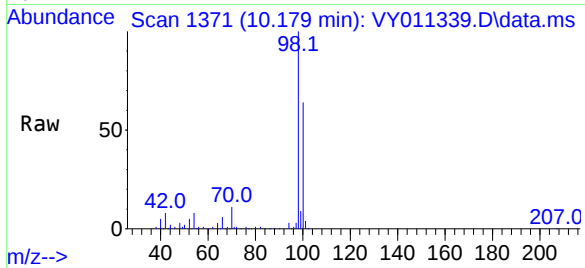




#50
Toluene-d8
Concen: 50.653 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

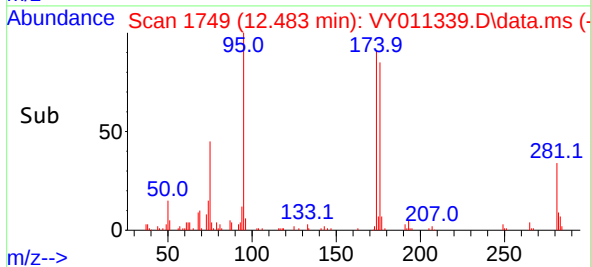
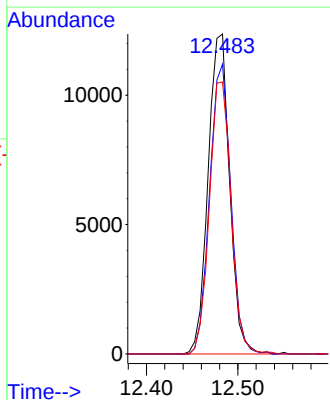
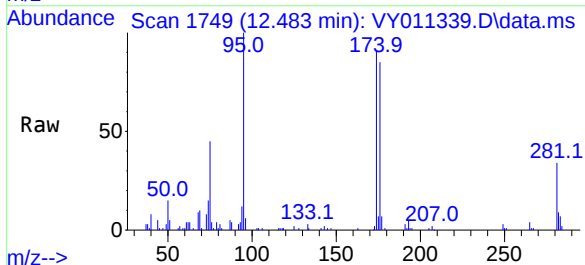
Instrument :
MSVOA_Y
ClientSampleId :
SB-14

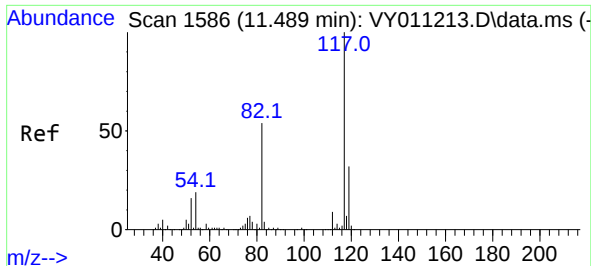
Tgt Ion: 98 Resp: 66622
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.235 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Tgt Ion: 95 Resp: 20198
Ion Ratio Lower Upper
95 100
174 89.4 0.0 177.0
176 85.8 0.0 175.8

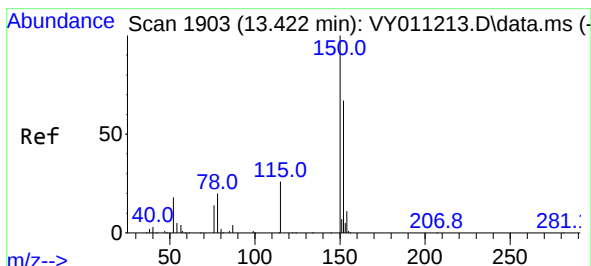
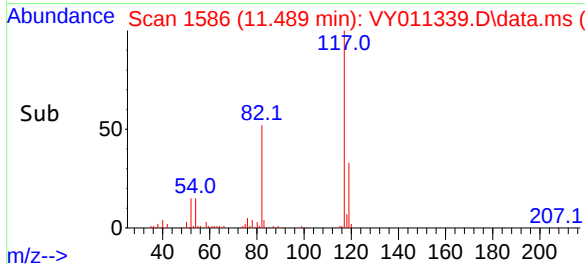
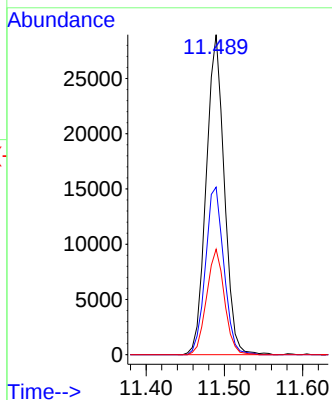
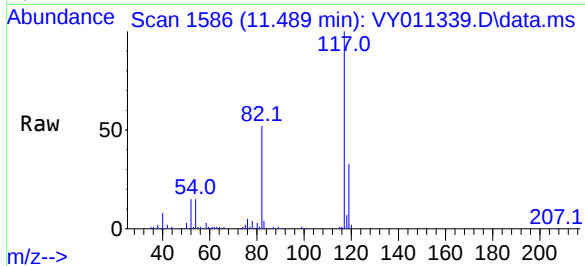




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

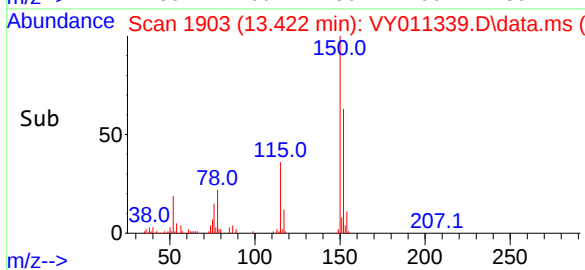
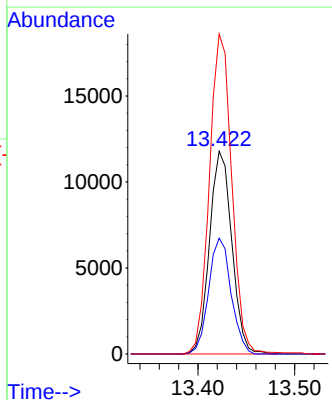
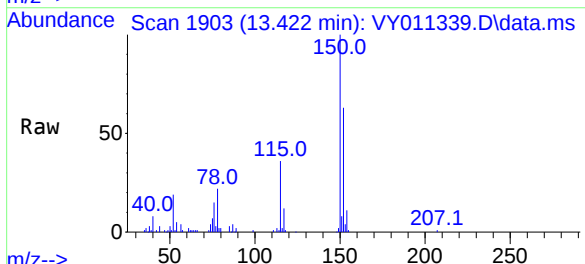
Instrument :
MSVOA_Y
ClientSampleId :
SB-14

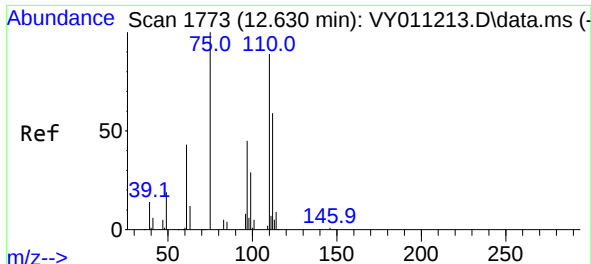
Tgt Ion:117 Resp: 46369
Ion Ratio Lower Upper
117 100
82 52.3 43.0 64.4
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Tgt Ion:152 Resp: 18914
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 158.3 0.0 347.6

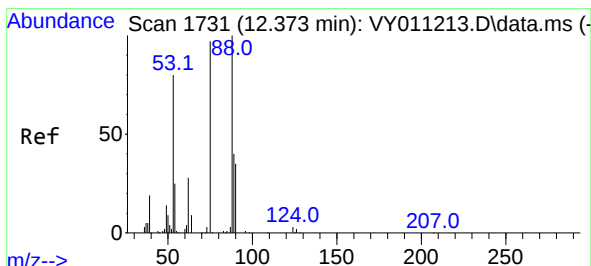
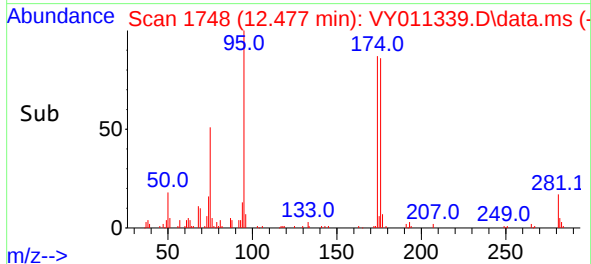
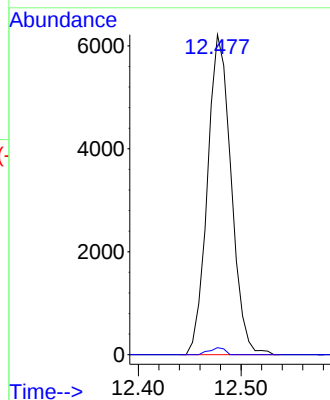
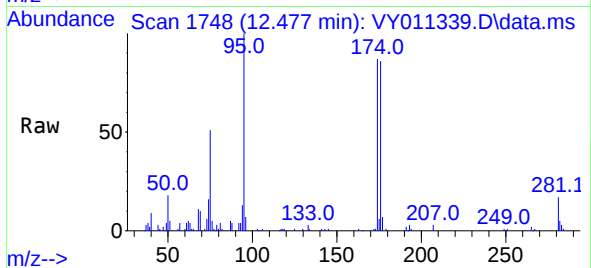




#76
1,2,3-Trichloropropane
Concen: 43.181 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Instrument :
MSVOA_Y
ClientSampleId :
SB-14

Tgt Ion: 75 Resp: 9943
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.413 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011339.D
Acq: 07 Nov 2022 16:48

Tgt Ion: 75 Resp: 9943
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

