

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013607.D
 Acq On : 04 May 2023 18:00
 Operator : KP/MD
 Sample : 02588-08
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-A-3-6-05022023

Quant Time: May 05 01:00:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

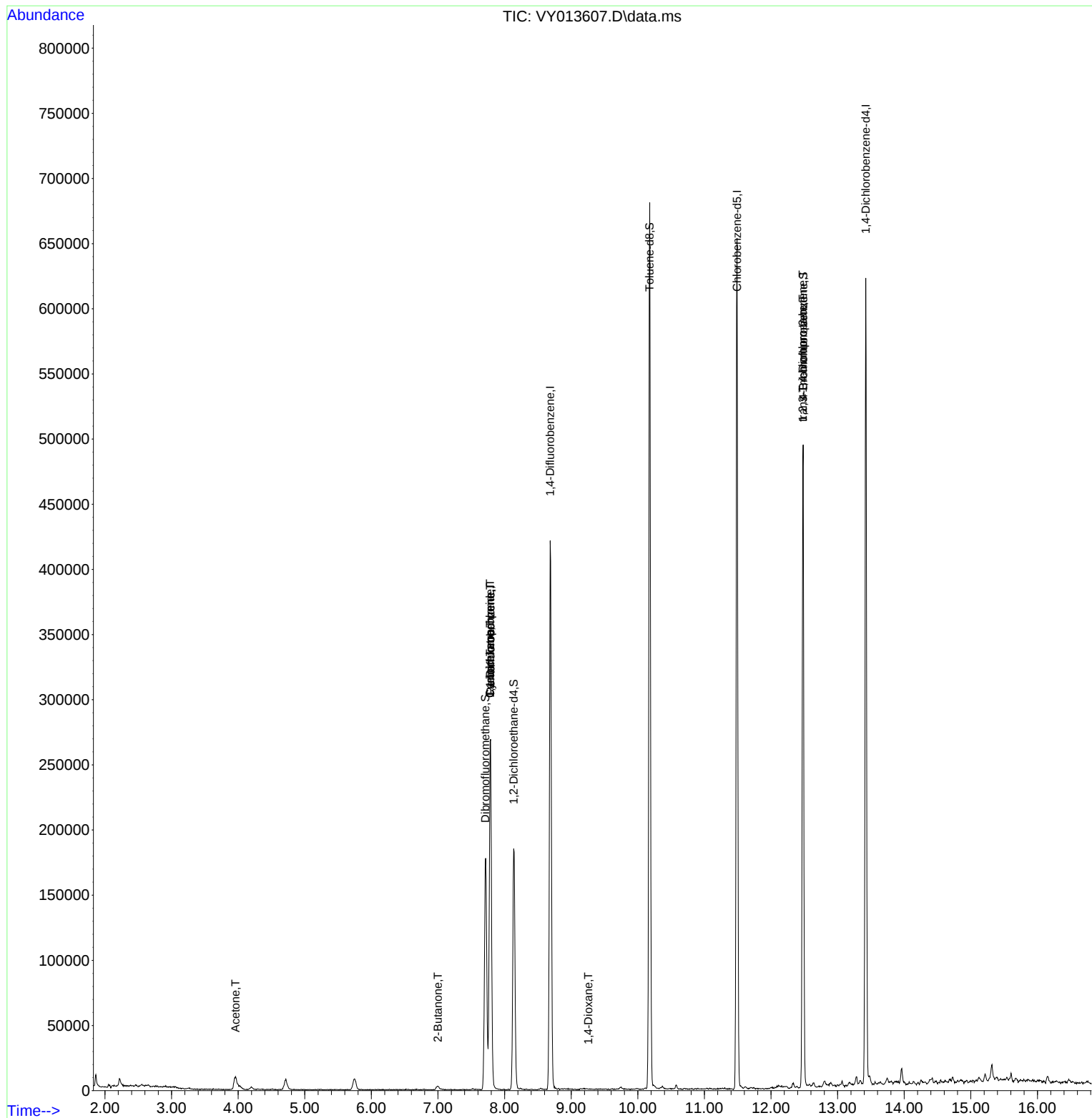
Internal Standards						
1) Pentafluorobenzene	7.789	168	211604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	355305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	347600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	155368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	154650	66.670	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.340%			
35) Dibromofluoromethane	7.710	113	122330	54.741	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.480%			
50) Toluene-d8	10.179	98	437764	55.066	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.140%			
62) 4-Bromofluorobenzene	12.483	95	141203	52.686	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.380%			
Target Compounds						
13) Acrolein	3.893	56	26	Below Cal	#	16
16) Acetone	3.960	43	22420	24.543	ug/l	98
20) Methylene Chloride	4.704	84	5187	Below Cal	#	92
25) 2-Butanone	6.996	43	4662	4.024	ug/l	# 82
31) Cyclohexane	7.783	56	4797	1.155	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	16059	4.330	ug/l	# 48
38) Carbon Tetrachloride	7.783	117	20728	5.332	ug/l	# 16
49) 1,4-Dioxane	9.258	88	36	1.542	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	76307	36.418	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	76307	74.494	ug/l	# 13

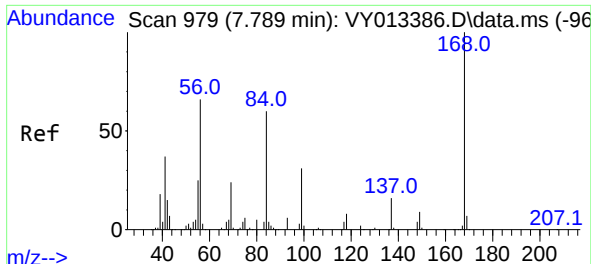
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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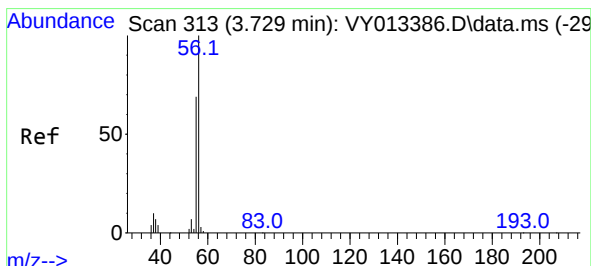
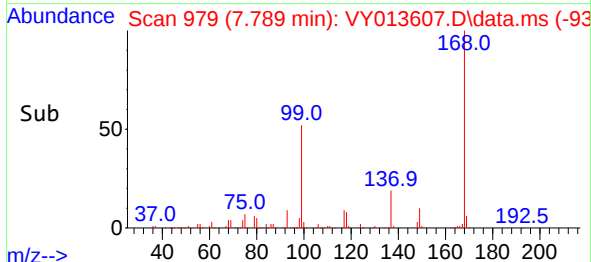
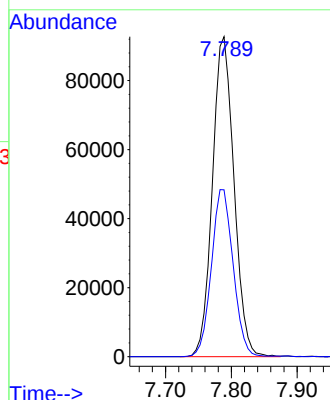
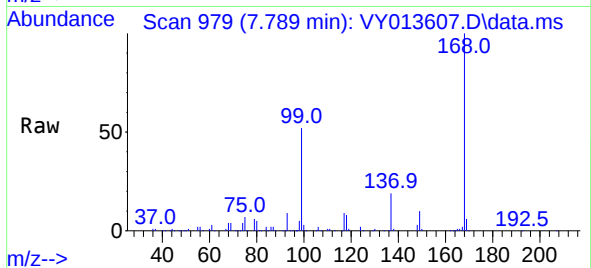




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

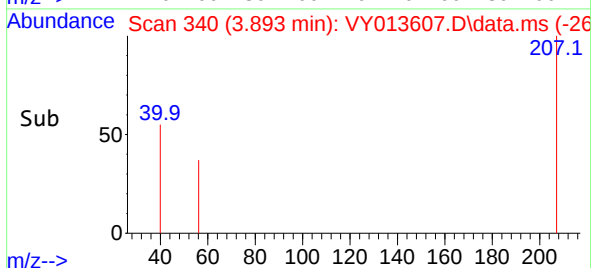
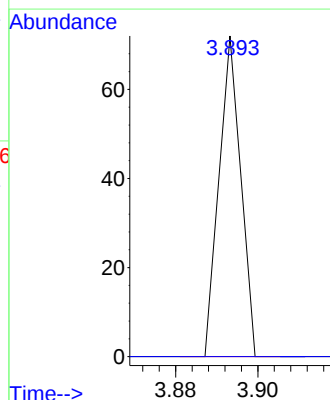
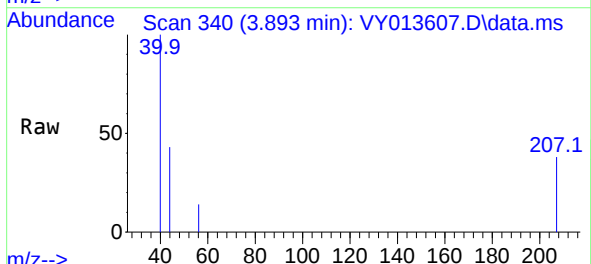
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-3-6-05022023

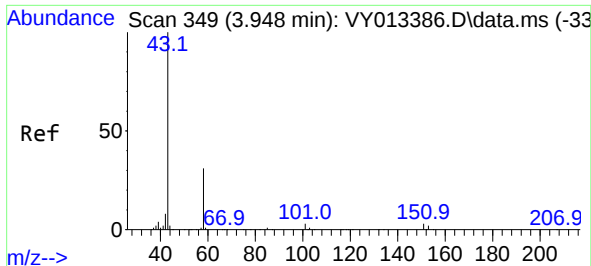
Tgt Ion:168 Resp: 211604
Ion Ratio Lower Upper
168 100
99 52.2 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.893 min Scan# 340
Delta R.T. 0.164 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

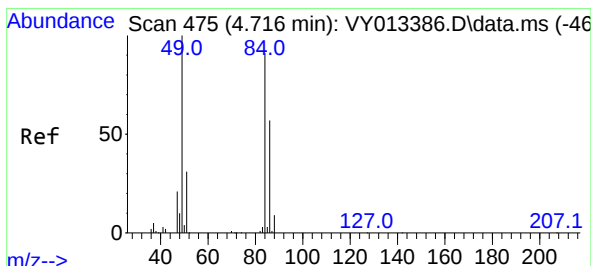
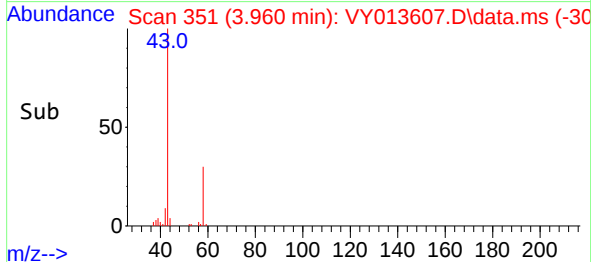
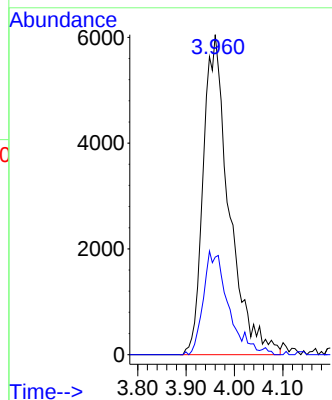
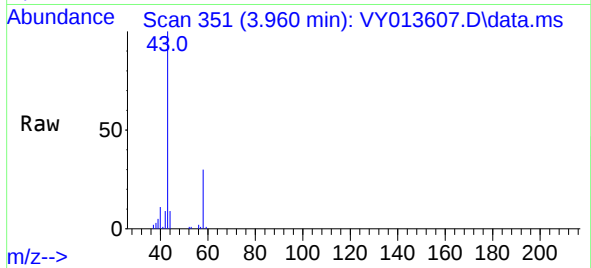




#16
Acetone
Concen: 24.543 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

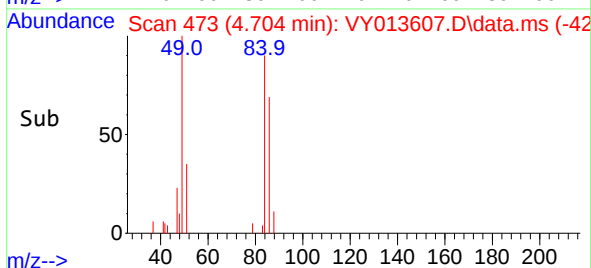
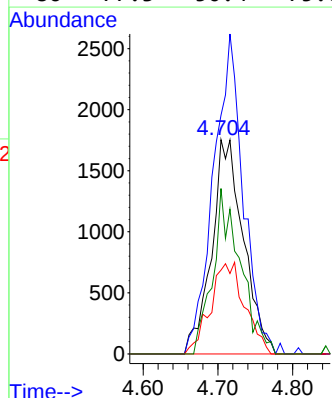
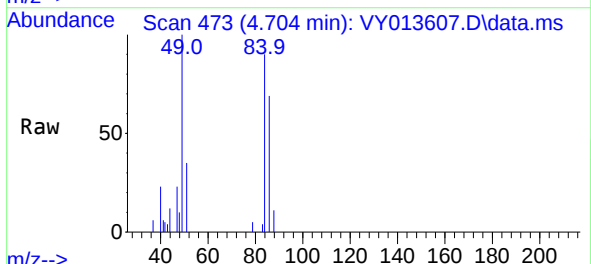
Instrument :
MSVOA_Y
ClientSampleId :
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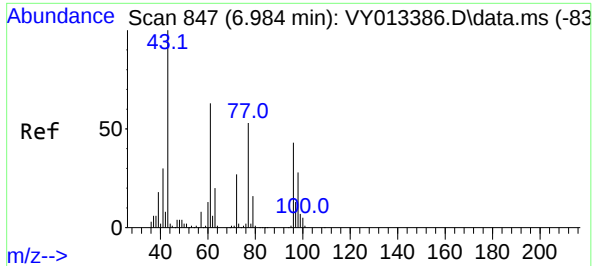
Tgt Ion: 43 Resp: 22420
Ion Ratio Lower Upper
43 100
58 30.5 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion: 84 Resp: 5187
Ion Ratio Lower Upper
84 100
49 111.5 88.0 132.0
51 39.1 27.4 41.0
86 77.3 50.4 75.6#

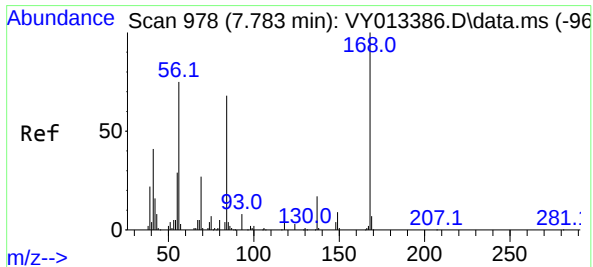
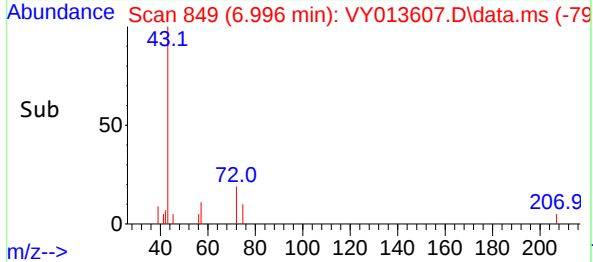
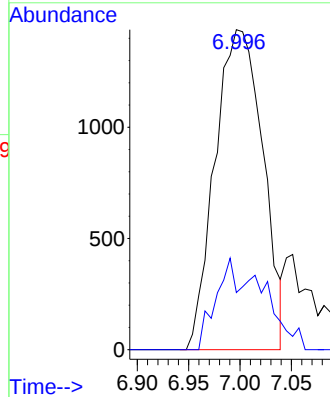
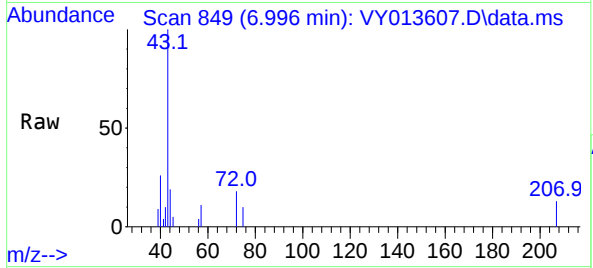




#25
2-Butanone
Concen: 4.024 ug/l
RT: 6.996 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

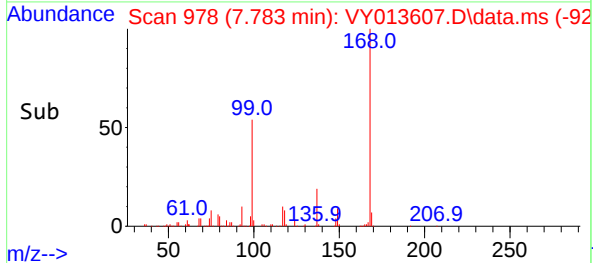
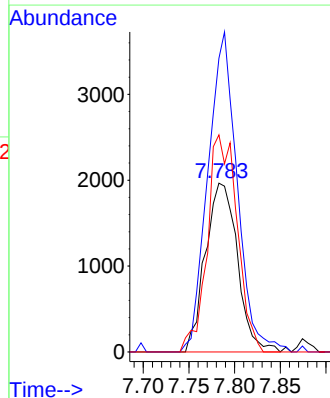
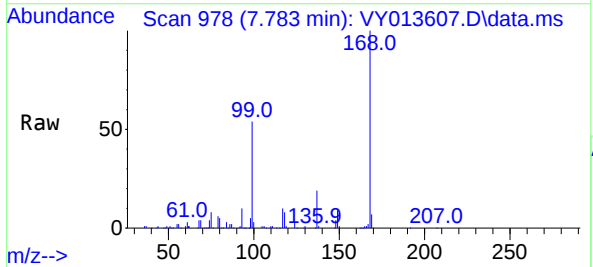
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-3-6-05022023

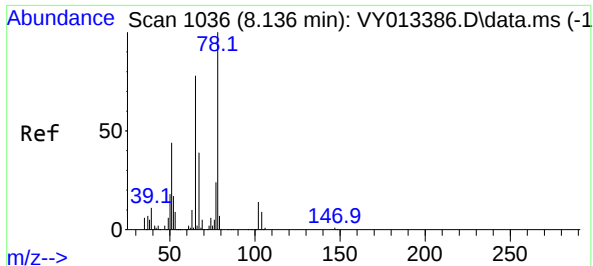
Tgt Ion: 43 Resp: 4662
Ion Ratio Lower Upper
43 100
72 17.9 21.9 32.9#



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion: 56 Resp: 4797
Ion Ratio Lower Upper
56 100
69 173.9 29.2 43.8#
84 134.4 73.0 109.6#

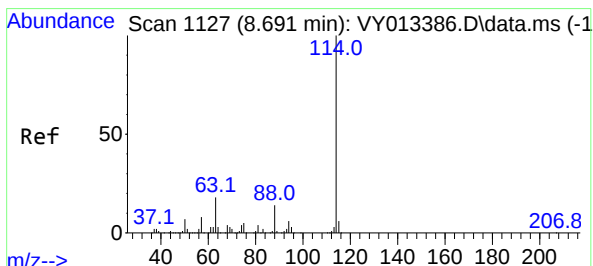
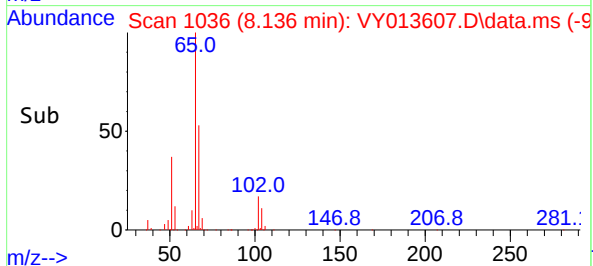
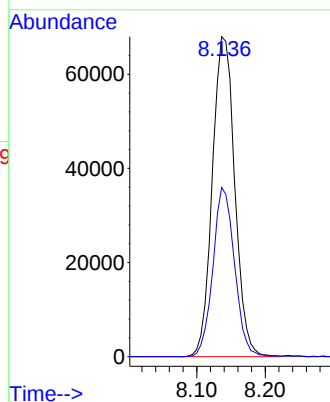
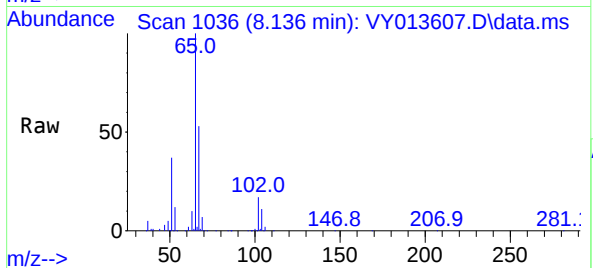




#33
1,2-Dichloroethane-d4
Concen: 66.670 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

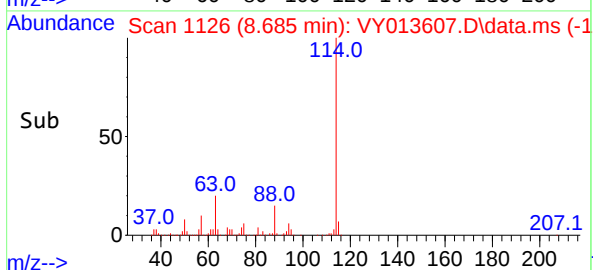
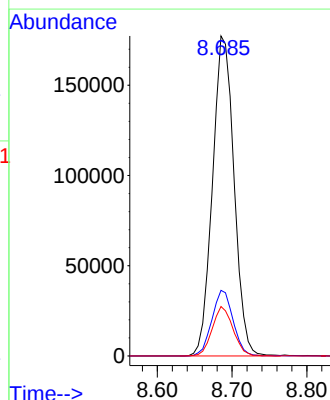
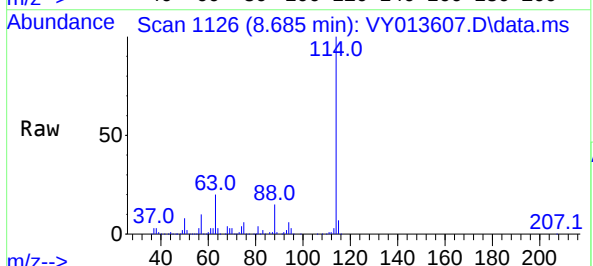
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-3-6-05022023

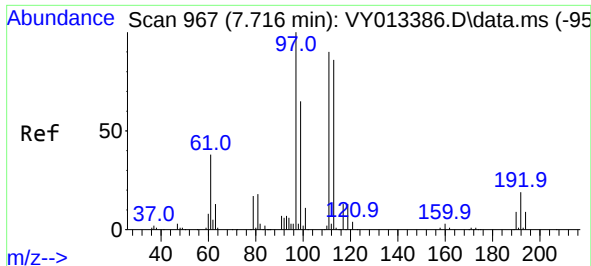
Tgt Ion: 65 Resp: 154650
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion: 114 Resp: 355305
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.6
88 15.5 0.0 28.8

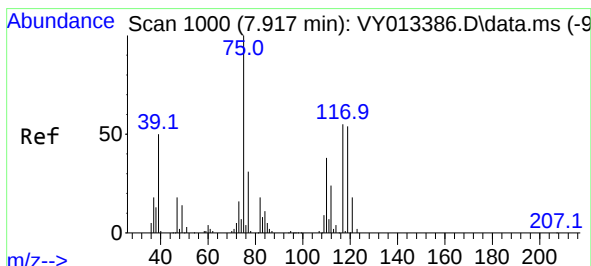
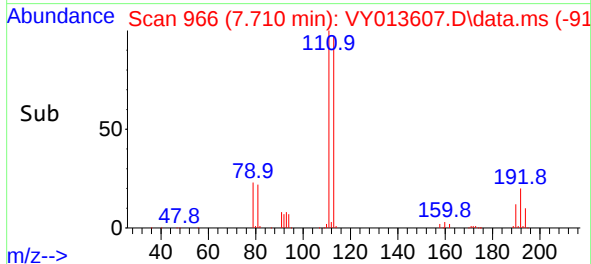
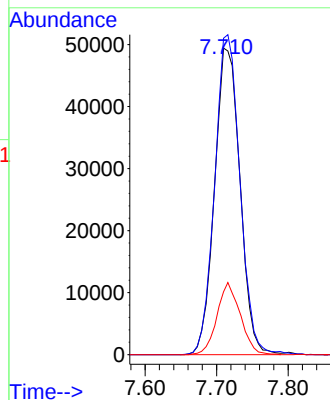
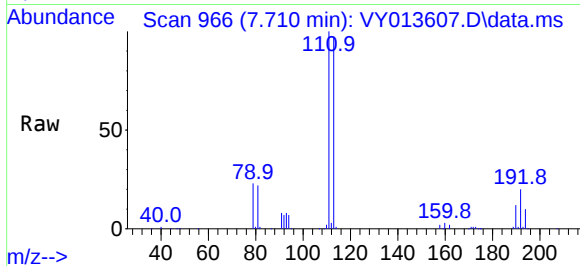




#35
Dibromofluoromethane
Concen: 54.741 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

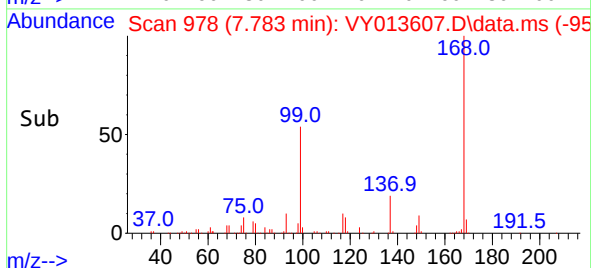
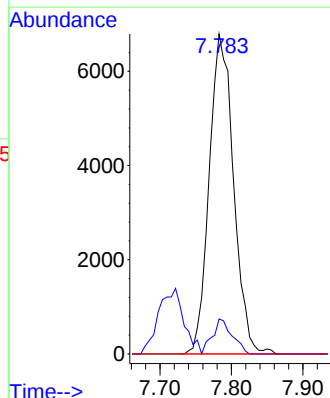
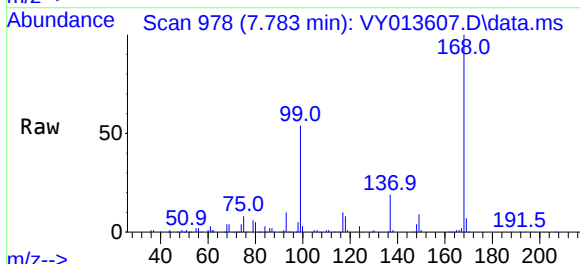
Instrument :
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ClientSampleId :
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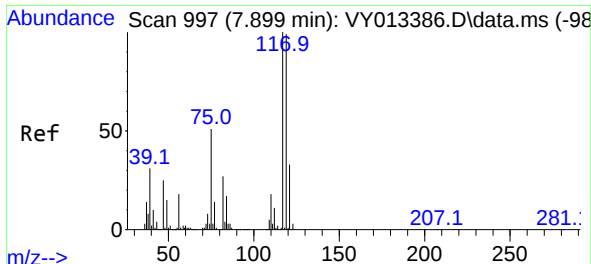
Tgt Ion:113 Resp: 122330
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.2
192 21.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

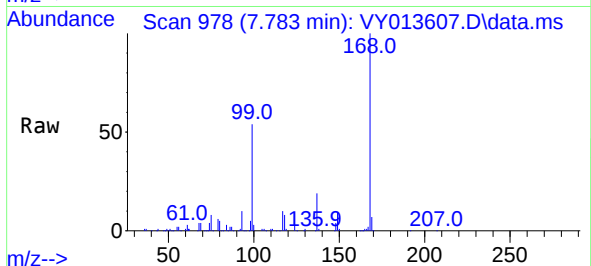
Tgt Ion: 75 Resp: 16059
Ion Ratio Lower Upper
75 100
110 8.8 18.7 56.1#
77 0.0 24.6 37.0#



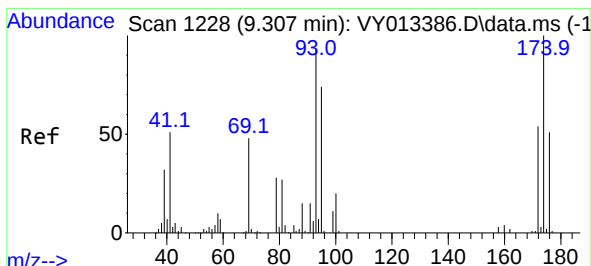
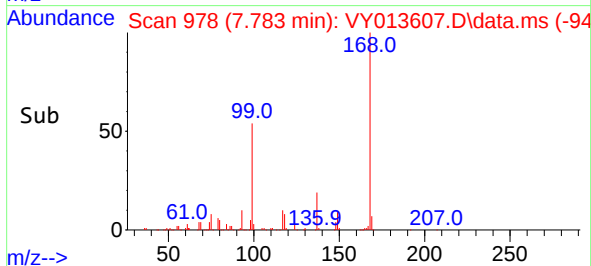
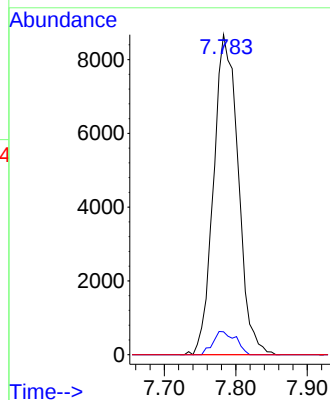


#38
Carbon Tetrachloride
Concen: 5.332 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-3-6-05022023

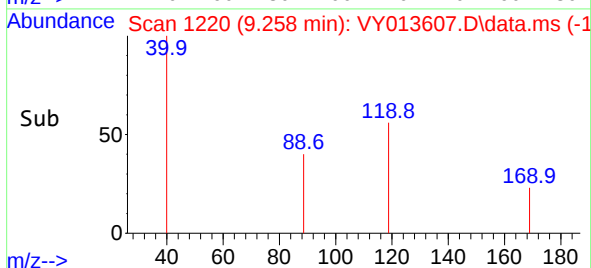
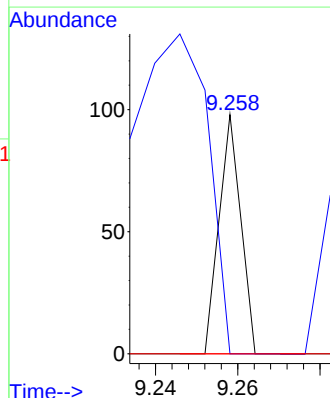
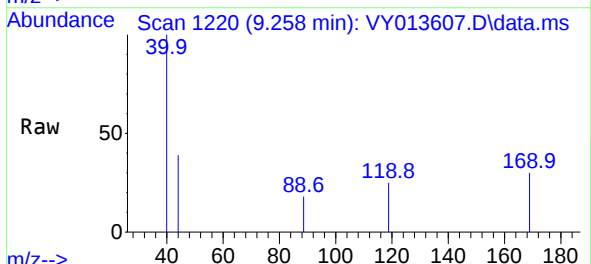


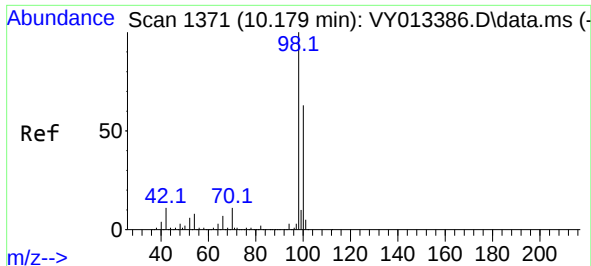
Tgt Ion:117 Resp: 20728
Ion Ratio Lower Upper
117 100
119 7.2 79.0 118.6#
121 0.0 26.6 40.0#



#49
1,4-Dioxane
Concen: 1.542 ug/l
RT: 9.258 min Scan# 1220
Delta R.T. -0.049 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion: 88 Resp: 36
Ion Ratio Lower Upper
88 100
43 530.6 16.8 25.2#
58 0.0 54.3 81.5#

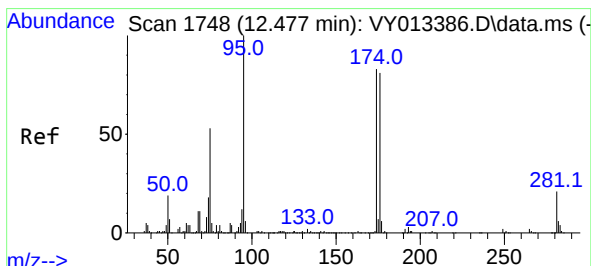
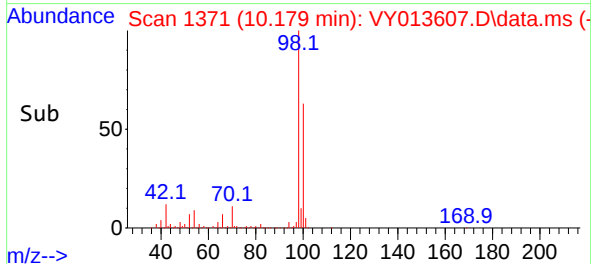
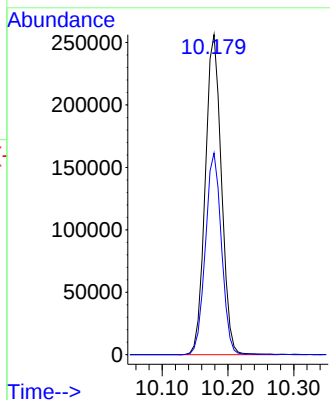
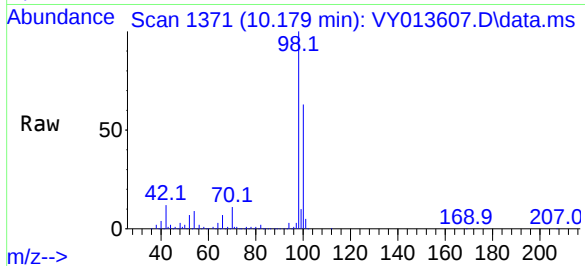




#50
Toluene-d8
Concen: 55.066 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

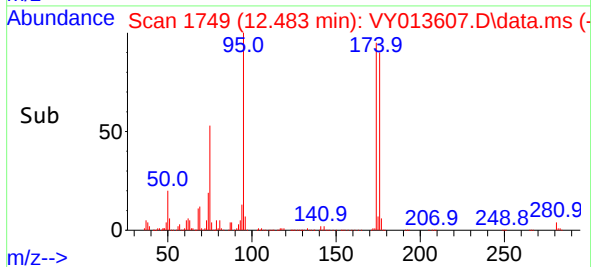
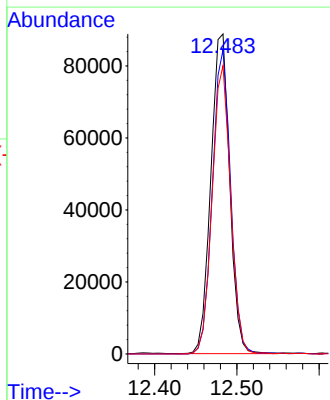
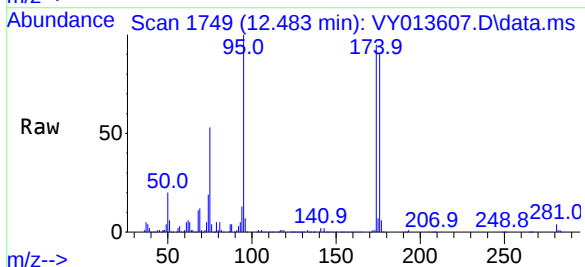
Instrument :
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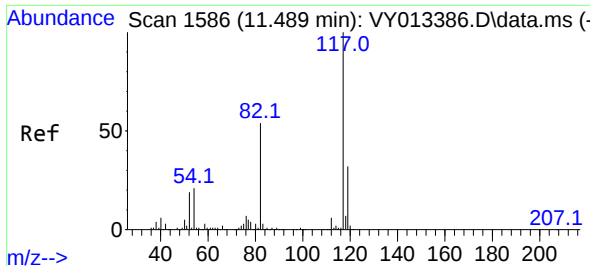
Tgt Ion: 98 Resp: 437764
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 52.686 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion: 95 Resp: 141203
Ion Ratio Lower Upper
95 100
174 92.4 0.0 182.0
176 88.3 0.0 175.4

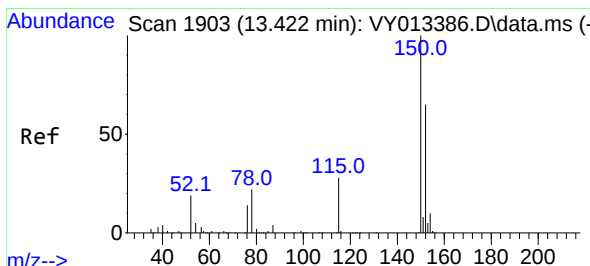
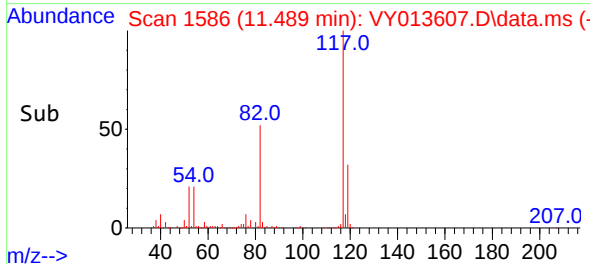
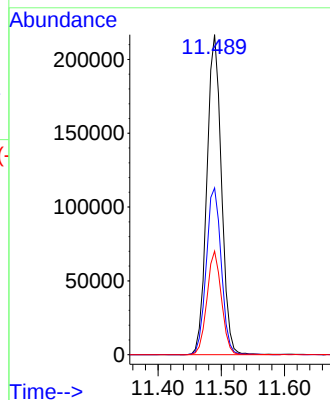
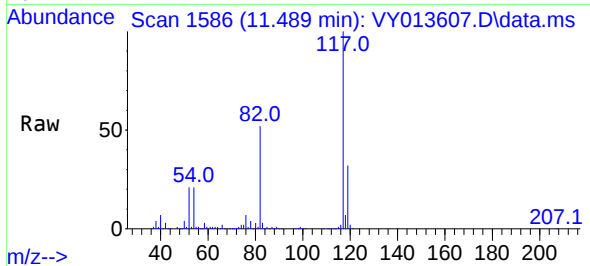




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

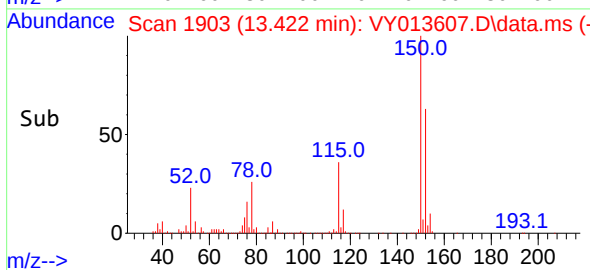
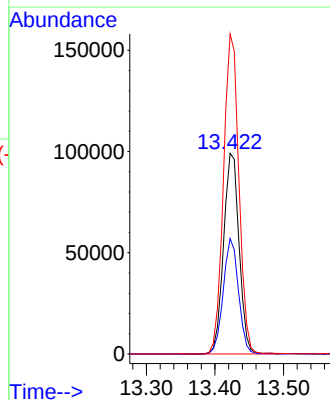
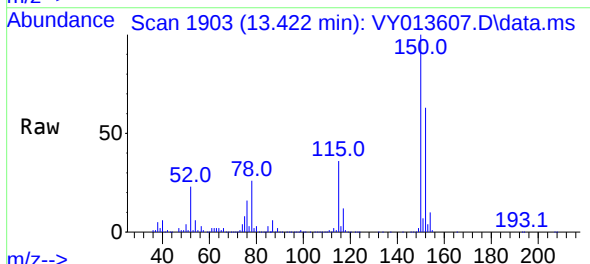
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-3-6-05022023

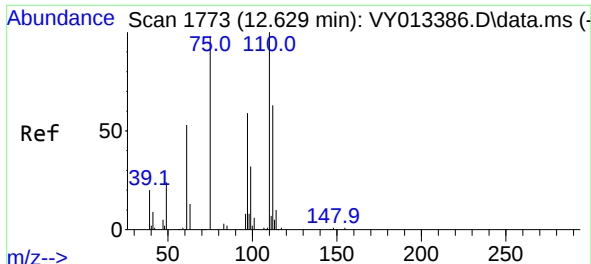
Tgt Ion:	117	Resp:	347600
Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.0	64.6
119	32.4	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion:	152	Resp:	155368
Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.1	84.2
150	158.6	0.0	352.0

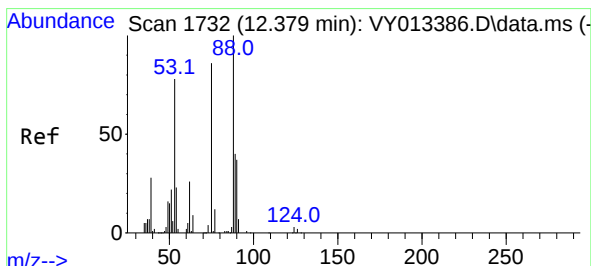
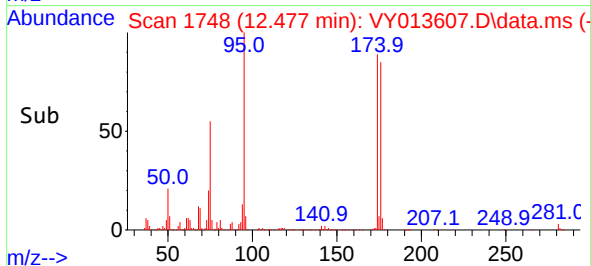
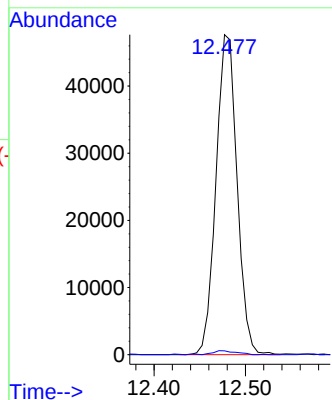
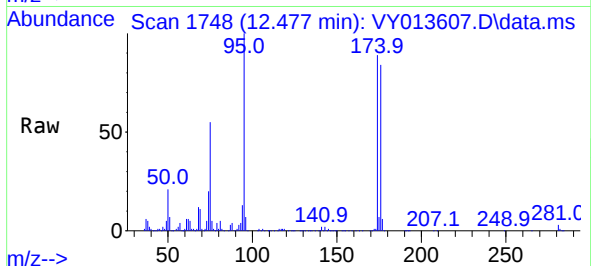




#76
1,2,3-Trichloropropane
Concen: 36.418 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-A-3-6-05022023

Tgt Ion: 75 Resp: 76307
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.494 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013607.D
Acq: 04 May 2023 18:00

Tgt Ion: 75 Resp: 76307
Ion Ratio Lower Upper
75 100
53 0.6 73.2 109.8#
89 0.2 38.0 57.0#

