

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013636.D
 Acq On : 05 May 2023 19:25
 Operator : KP/MD
 Sample : 02588-14
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PILE-A-UNK-05022023

Quant Time: May 08 00:26:09 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)

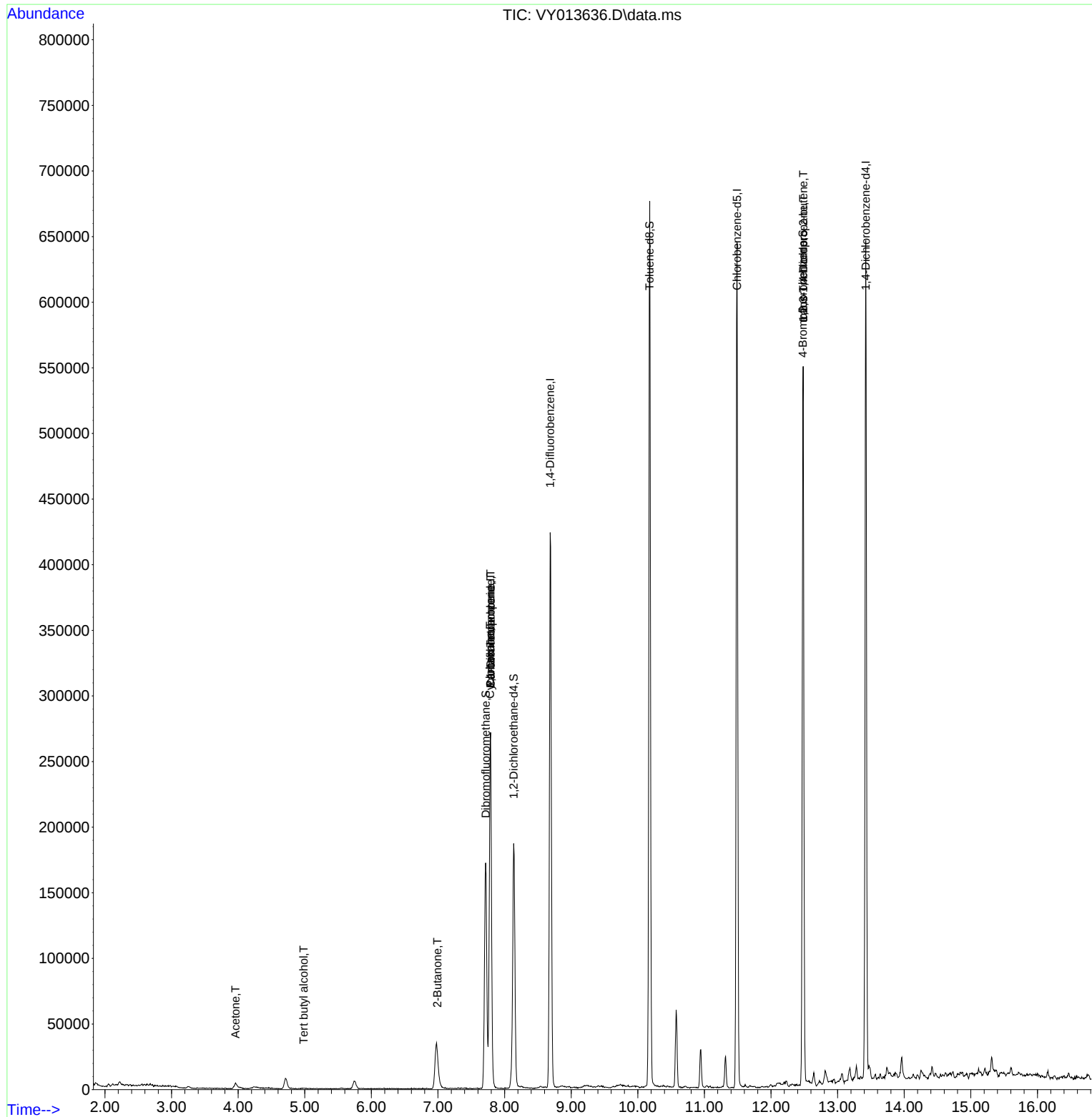
Internal Standards						
1) Pentafluorobenzene	7.789	168	210621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	343540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	146910	63.628	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 127.260%		
35) Dibromofluoromethane	7.716	113	120074	54.111	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 108.220%		
50) Toluene-d8	10.179	98	428975	54.342	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 108.680%		
62) 4-Bromofluorobenzene	12.477	95	144770	54.399	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 108.800%		
Target Compounds						
11) Tert butyl alcohol	4.985	59	298	1.793	ug/l #	92
13) Acrolein	3.710	56	31	Below Cal	#	16
16) Acetone	3.960	43	9839	10.821	ug/l	89
20) Methylene Chloride	4.704	84	5590	Below Cal	#	81
25) 2-Butanone	6.990	43	2748	2.383	ug/l #	83
31) Cyclohexane	7.783	56	4882	1.181	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	16148	4.385	ug/l #	49
38) Carbon Tetrachloride	7.789	117	21093	5.465	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	78433	36.665	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	78433	75.001	ug/l #	13

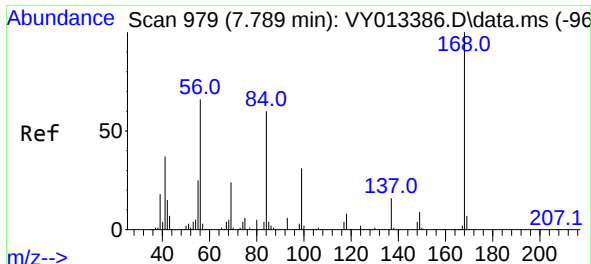
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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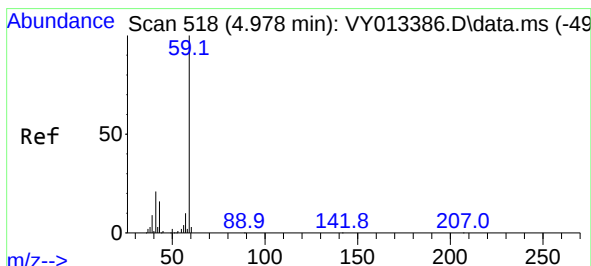
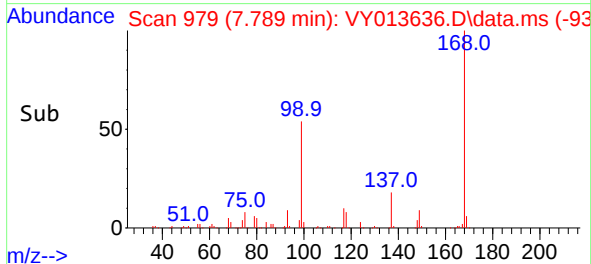
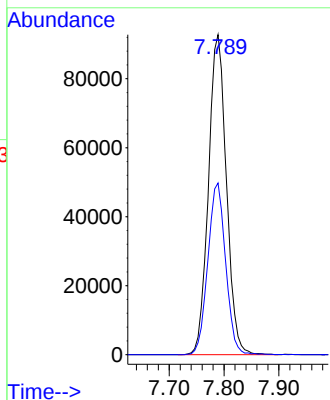
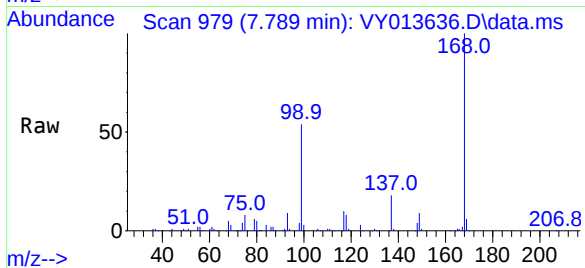




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

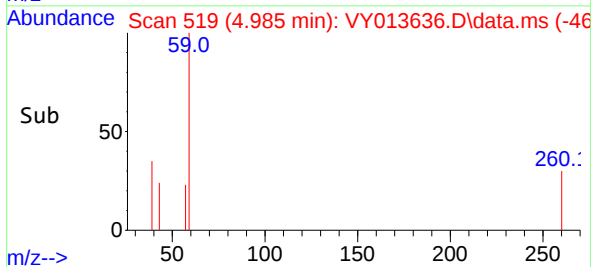
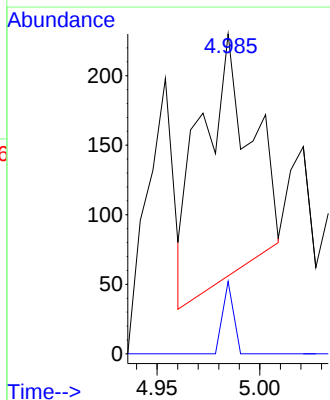
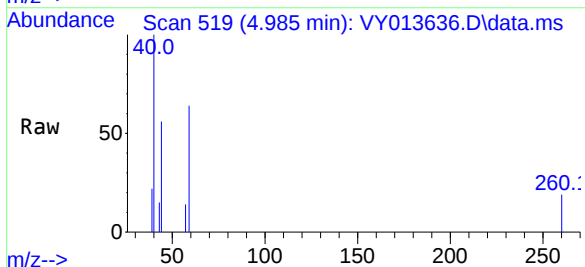
Instrument :
MSVOA_Y
ClientSampleId :
PILE-A-UNK-05022023

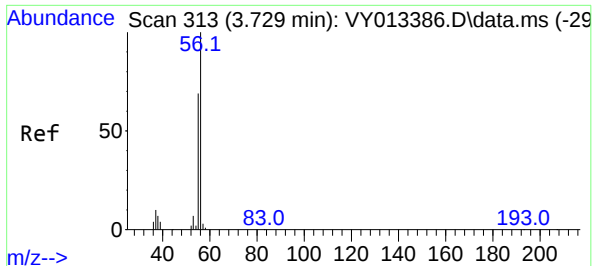
Tgt Ion:168 Resp: 210621
Ion Ratio Lower Upper
168 100
99 53.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.793 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.007 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Tgt Ion: 59 Resp: 298
Ion Ratio Lower Upper
59 100
57 6.4 3.0 4.4#

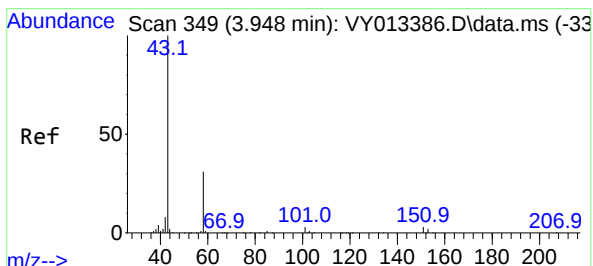
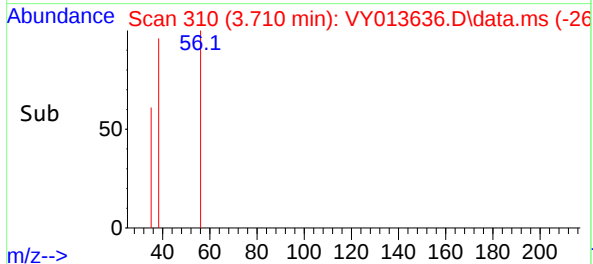
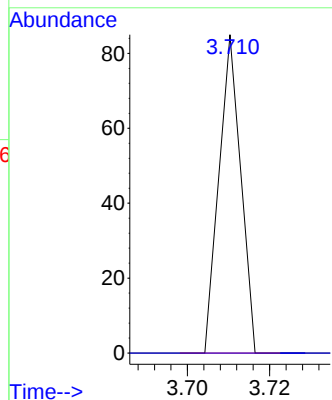
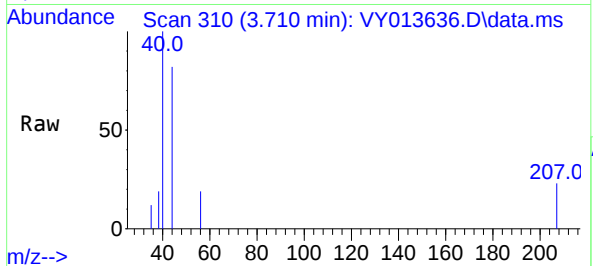




#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 31
Delta R.T. -0.019 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

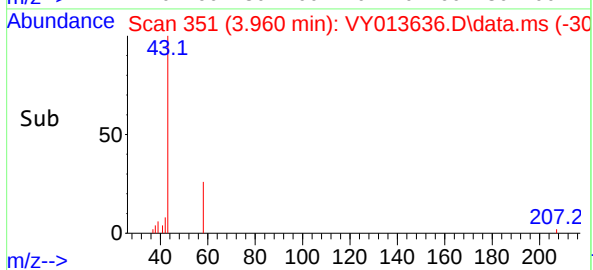
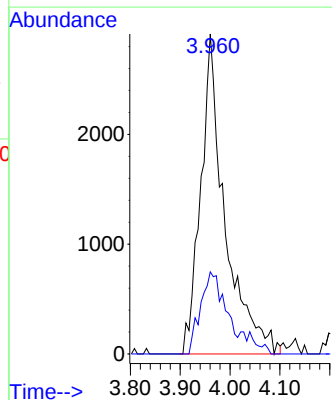
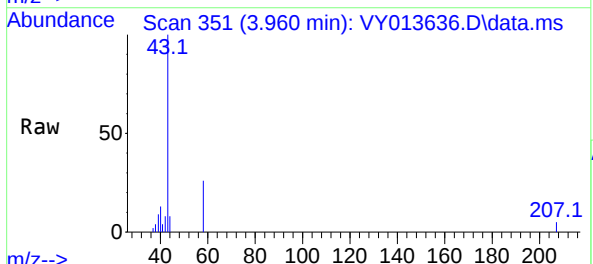
Instrument :
MSVOA_Y
ClientSampleId :
PILE-A-UNK-05022023

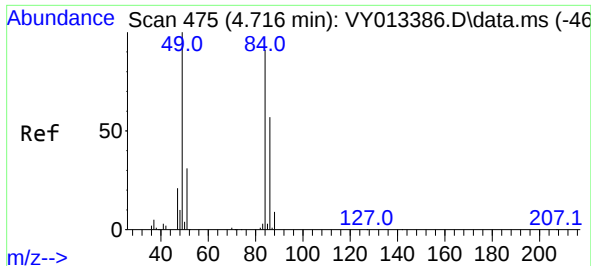
Tgt Ion: 56 Resp: 31
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 10.821 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Tgt Ion: 43 Resp: 9839
Ion Ratio Lower Upper
43 100
58 25.7 25.4 38.0

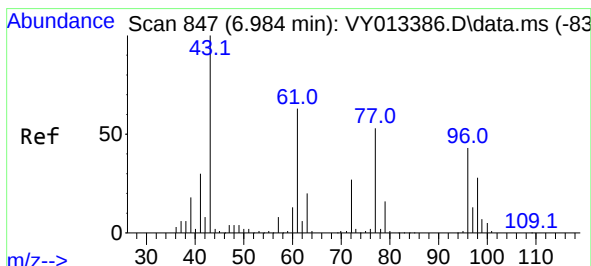
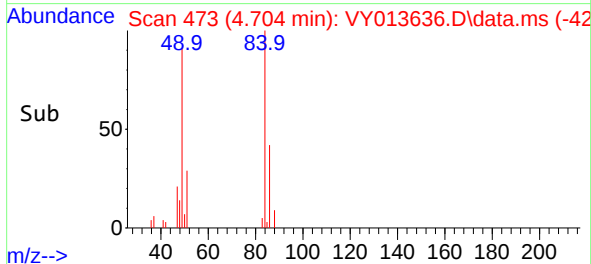
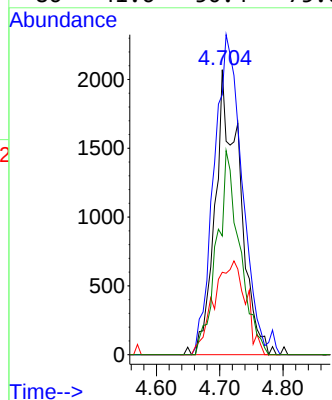
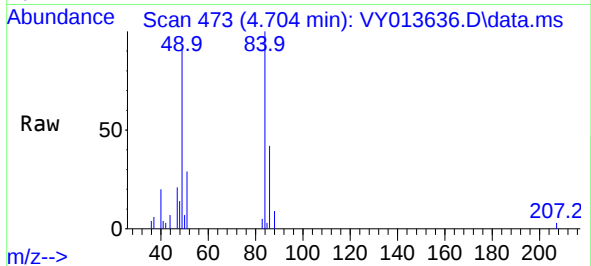




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

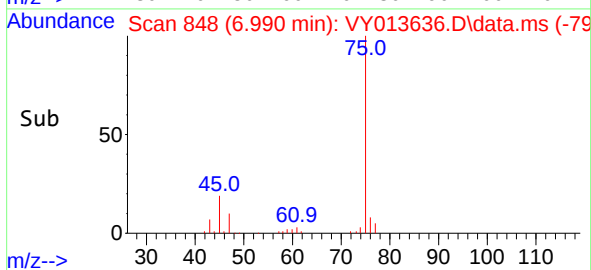
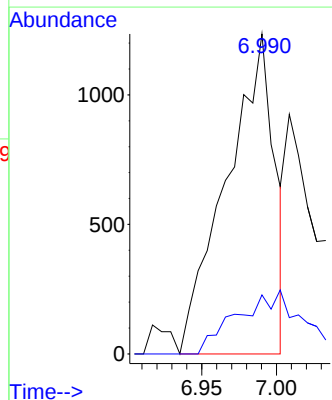
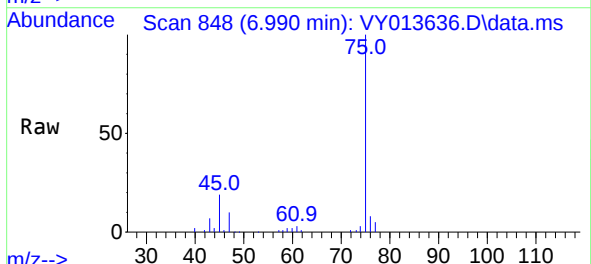
Instrument :
MSVOA_Y
ClientSampleId :
PILE-A-UNK-05022023

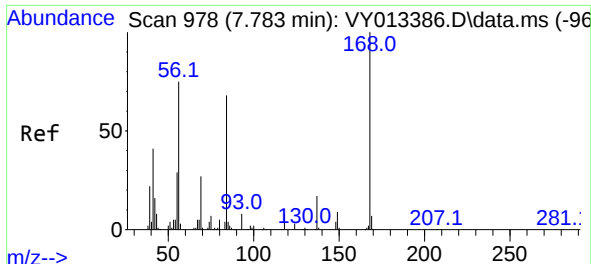
Tgt Ion: 84 Resp: 5590
Ion Ratio Lower Upper
84 100
49 91.2 88.0 132.0
51 28.9 27.4 41.0
86 41.6 50.4 75.6#



#25
2-Butanone
Concen: 2.383 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

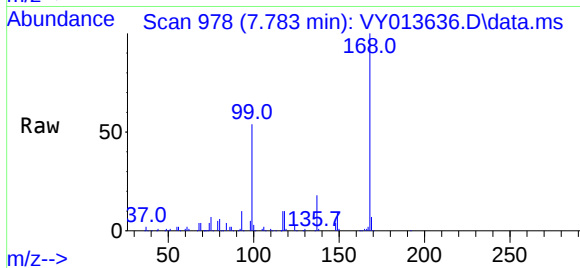
Tgt Ion: 43 Resp: 2748
Ion Ratio Lower Upper
43 100
72 18.5 21.9 32.9#



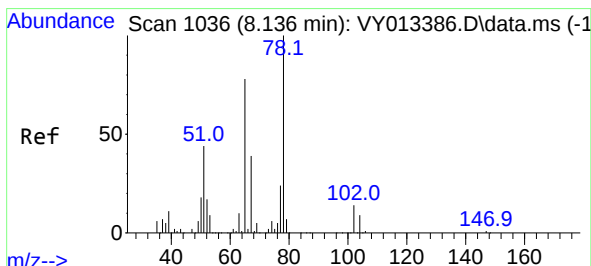
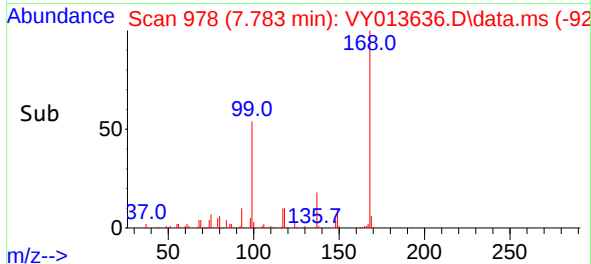
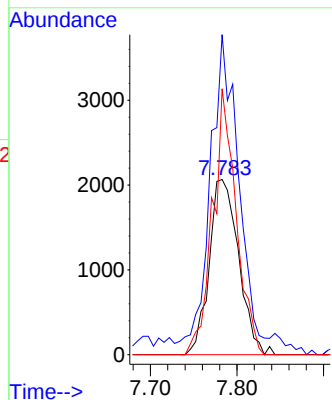


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Instrument :
MSVOA_Y
ClientSampleId :
PILE-A-UNK-05022023

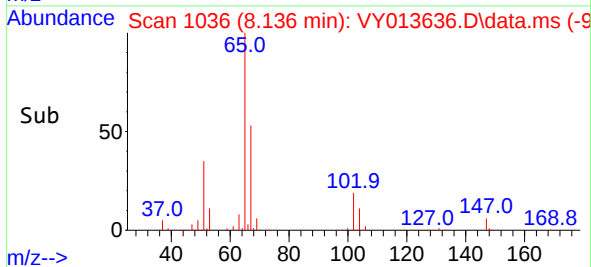
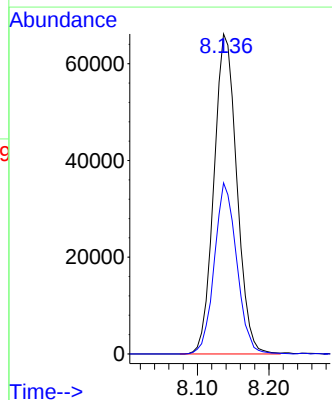
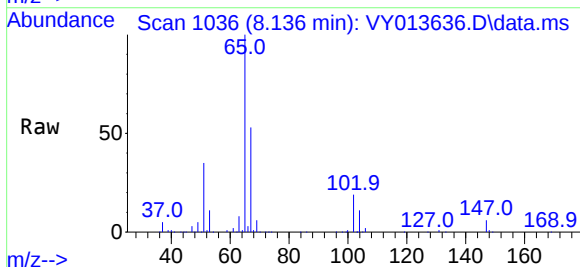


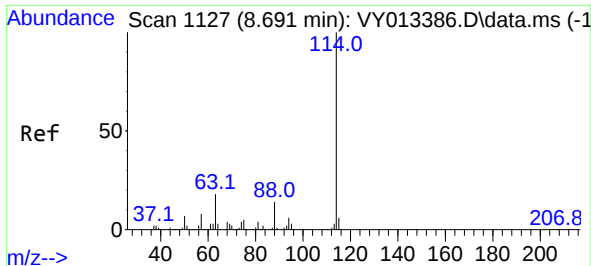
Tgt Ion: 56 Resp: 4882
Ion Ratio Lower Upper
56 100
69 175.0 29.2 43.8#
84 151.9 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 63.628 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Tgt Ion: 65 Resp: 146910
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013636.D

Acq: 05 May 2023 19:25

Instrument :

MSVOA_Y

ClientSampleId :

PILE-A-UNK-05022023

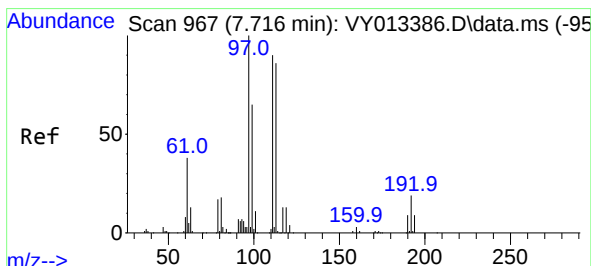
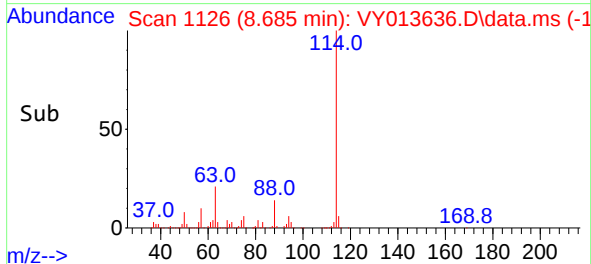
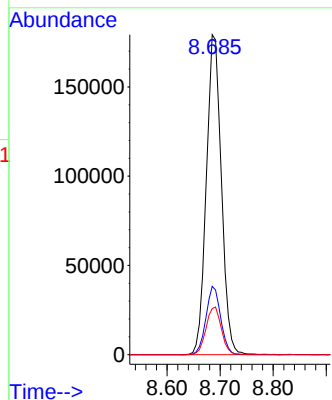
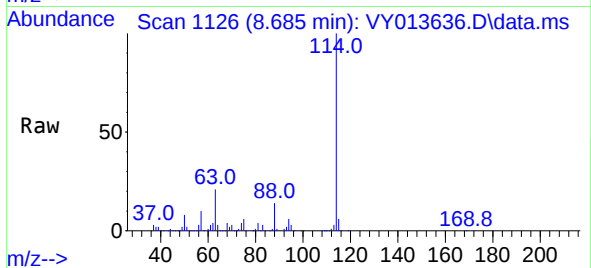
Tgt Ion:114 Resp: 352810

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.6

88 14.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 54.111 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013636.D

Acq: 05 May 2023 19:25

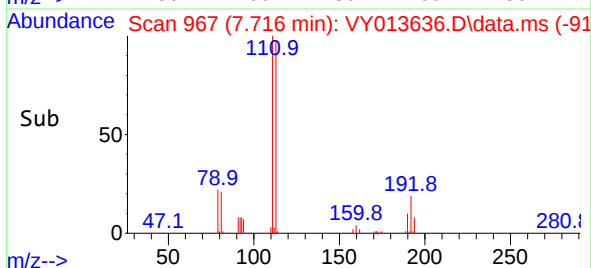
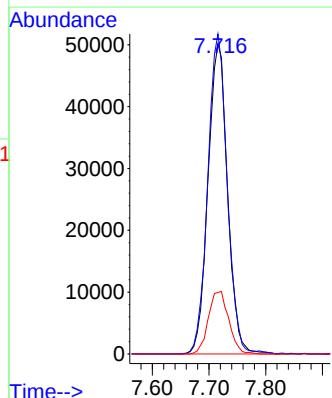
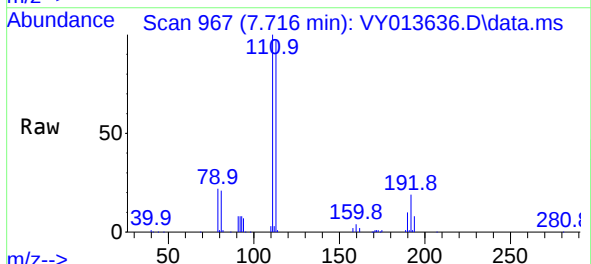
Tgt Ion:113 Resp: 120074

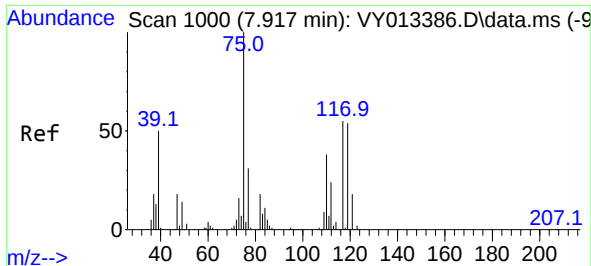
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 21.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.385 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY013636.D

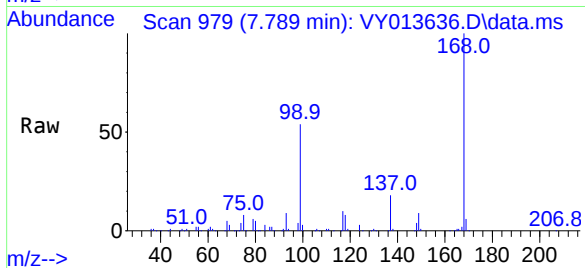
Acq: 05 May 2023 19:25

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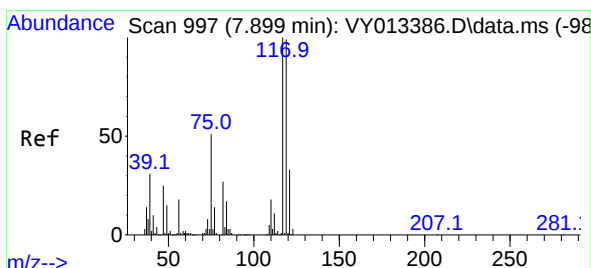
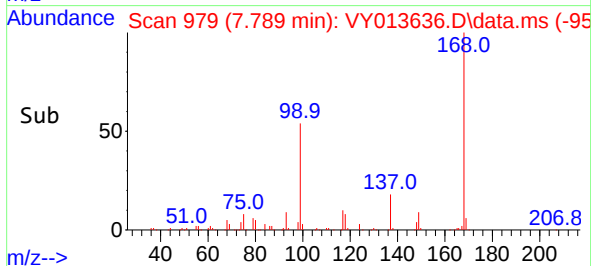
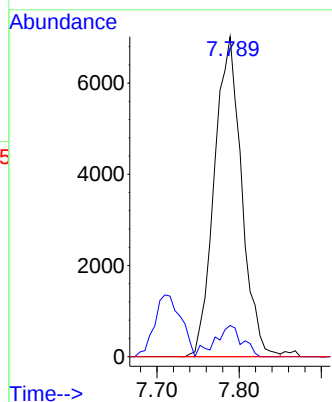
Tgt Ion: 75 Resp: 16148

Ion Ratio Lower Upper

75 100

110 9.6 18.7 56.1#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.465 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013636.D

Acq: 05 May 2023 19:25

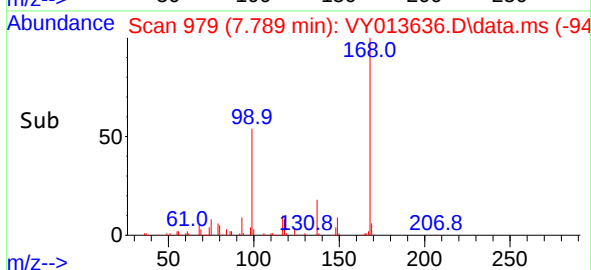
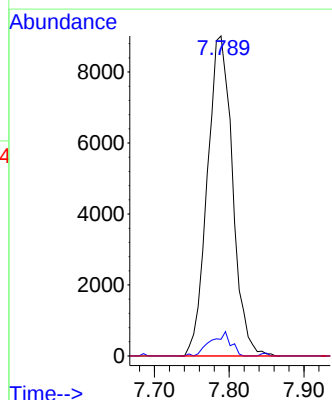
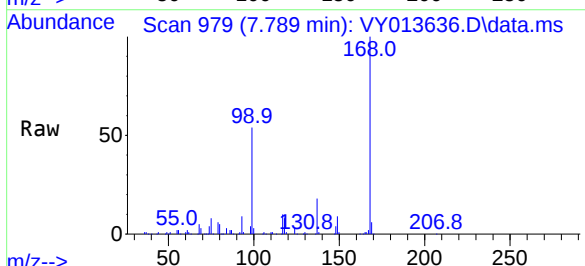
Tgt Ion: 117 Resp: 21093

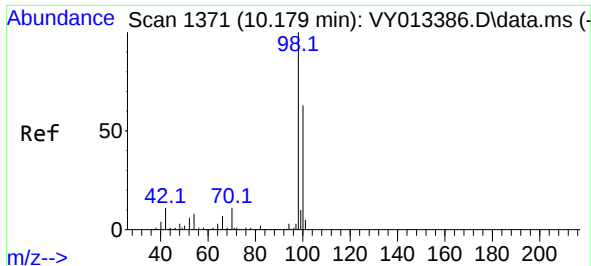
Ion Ratio Lower Upper

117 100

119 5.2 79.0 118.6#

121 0.0 26.6 40.0#

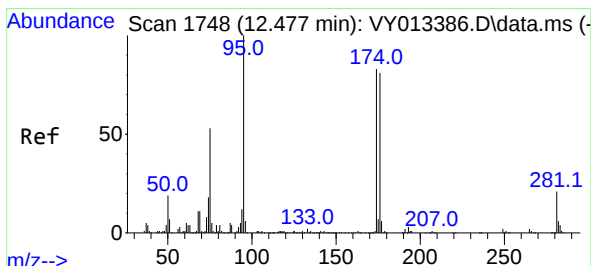
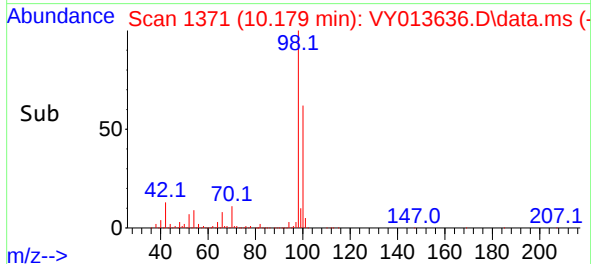
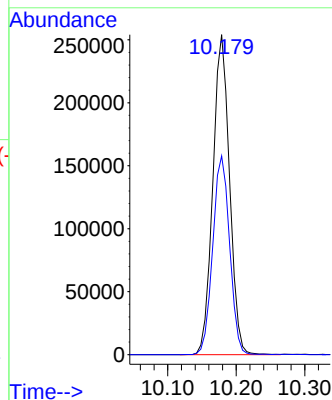
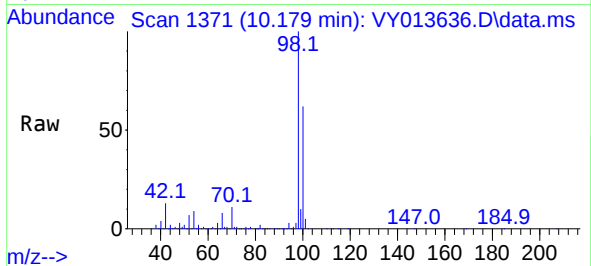




#50
Toluene-d8
Concen: 54.342 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

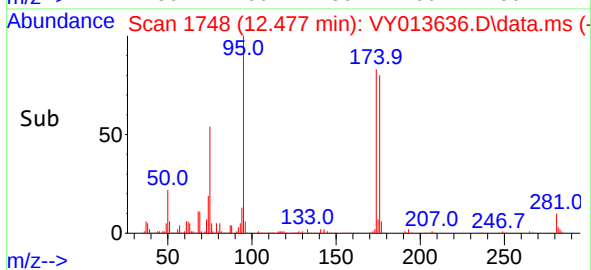
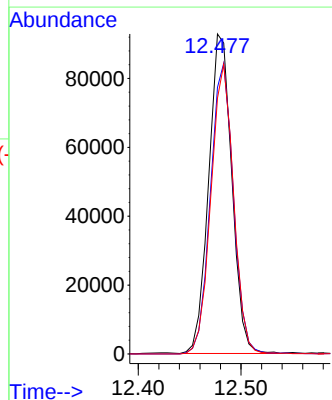
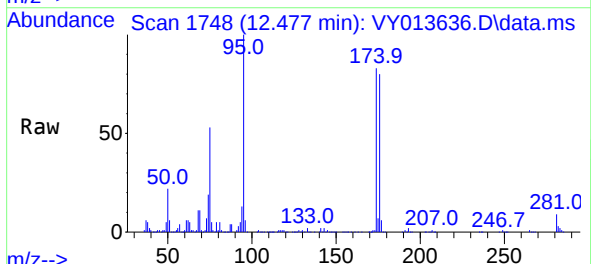
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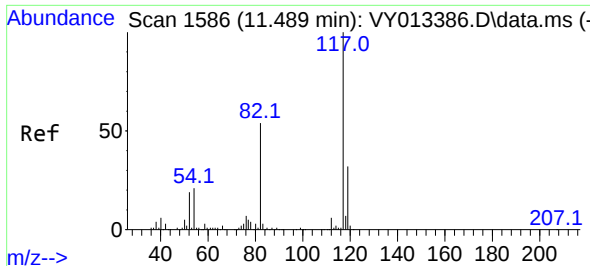
Tgt Ion: 98 Resp: 428975
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 54.399 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Tgt Ion: 95 Resp: 144770
Ion Ratio Lower Upper
95 100
174 90.5 0.0 182.0
176 88.6 0.0 175.4

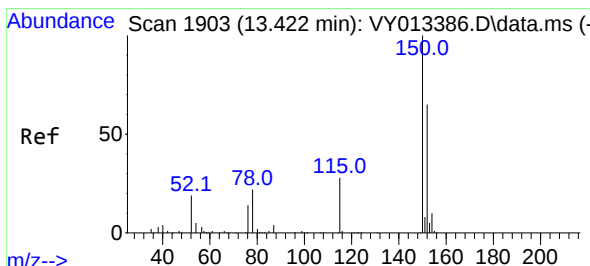
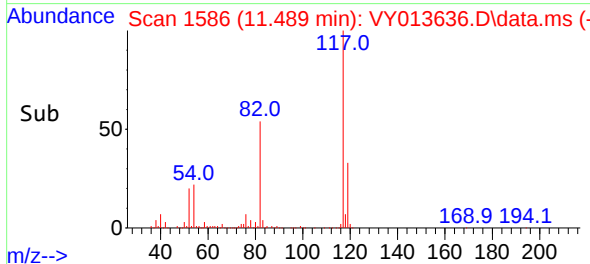
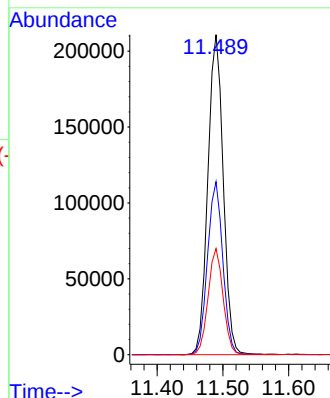
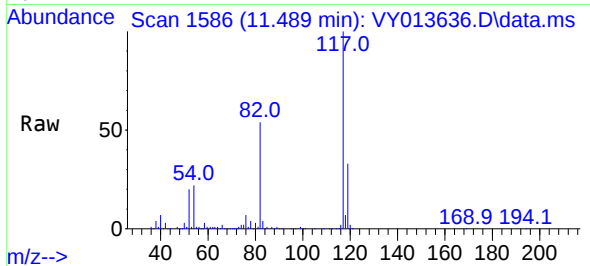




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

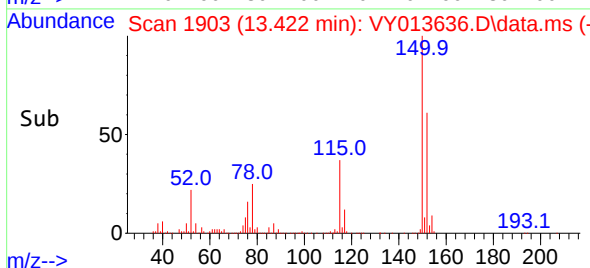
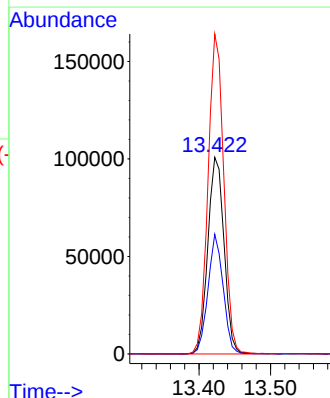
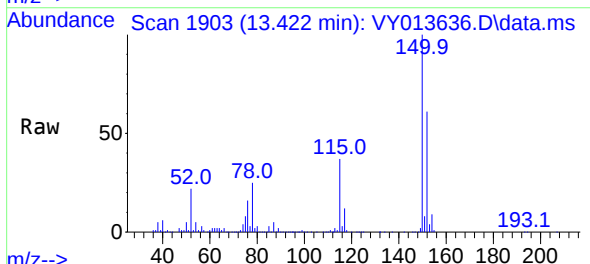
Instrument :
MSVOA_Y
ClientSampleId :
PILE-A-UNK-05022023

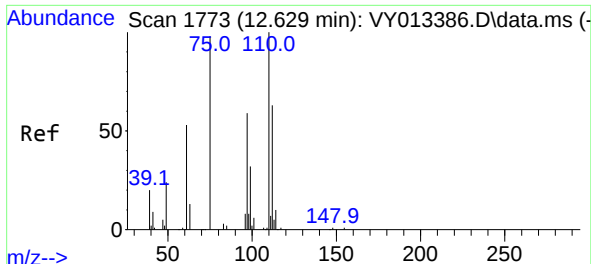
Tgt Ion:	117	Resp:	343540
Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.0	64.6
119	33.1	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Tgt Ion:	152	Resp:	158619
Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.1	84.2
150	157.7	0.0	352.0

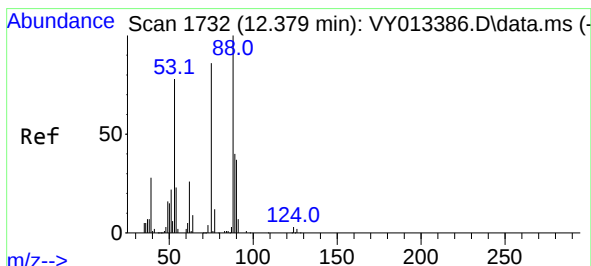
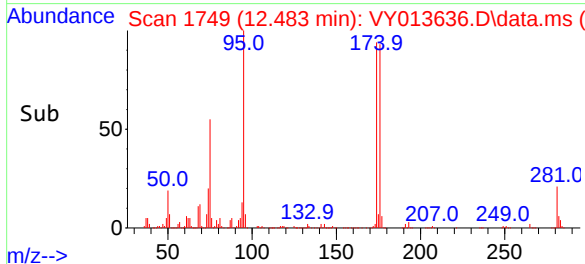
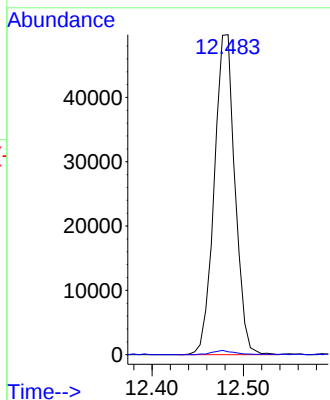
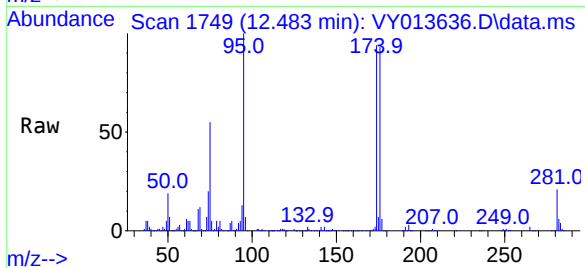




#76
1,2,3-Trichloropropane
Concen: 36.665 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Instrument :
MSVOA_Y
ClientSampleId :
PILE-A-UNK-05022023

Tgt Ion: 75 Resp: 78433
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.001 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013636.D
Acq: 05 May 2023 19:25

Tgt Ion: 75 Resp: 78433
Ion Ratio Lower Upper
75 100
53 0.7 73.2 109.8#
89 0.3 38.0 57.0#

