

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042623\
 Data File : VY013479.D
 Acq On : 26 Apr 2023 17:27
 Operator : KP/MD
 Sample : 02484-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRCA-1

Quant Time: Apr 27 01:35:42 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)

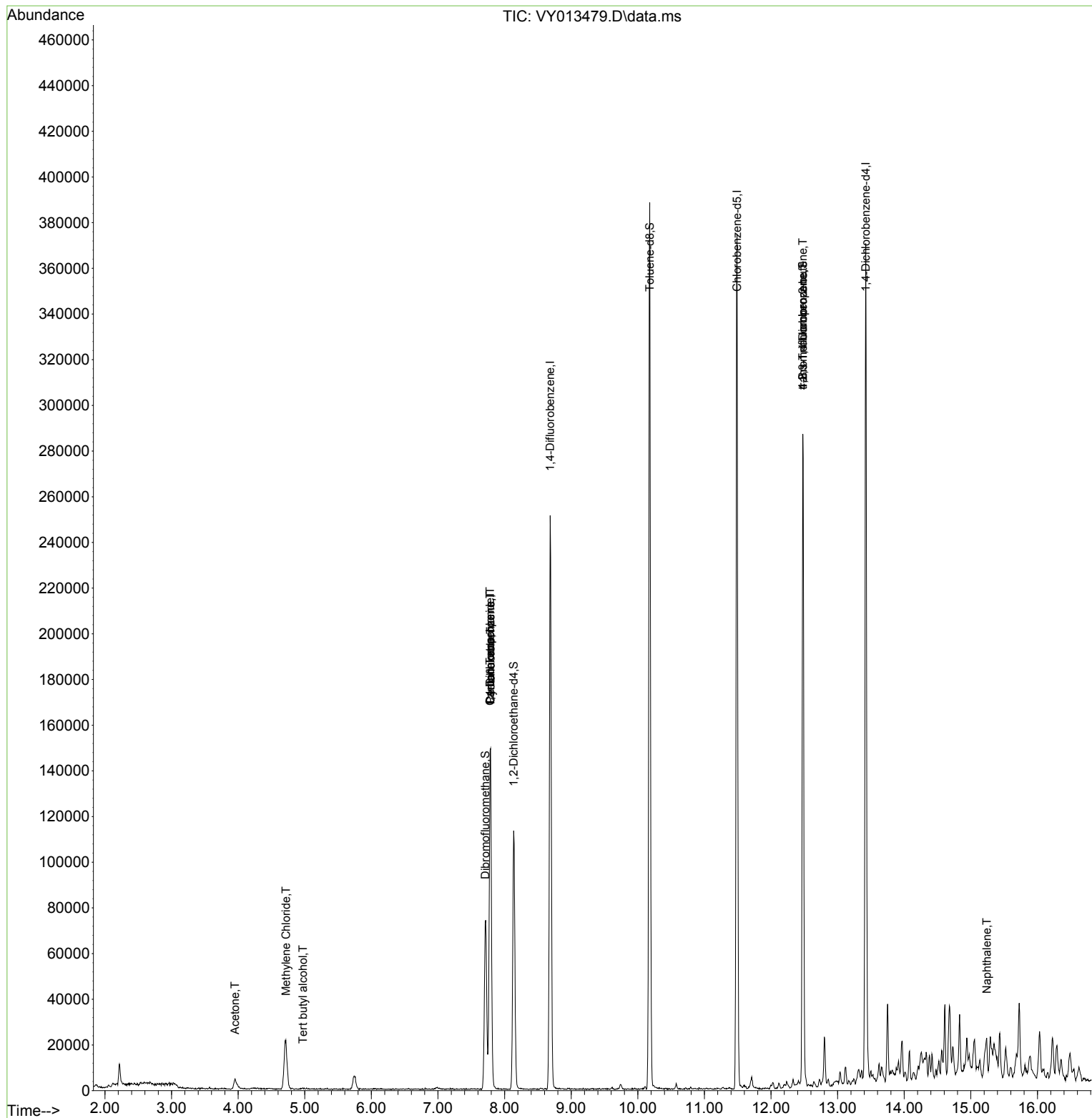
Internal Standards						
1) Pentafluorobenzene	7.789	168	111274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	197052	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	87486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87794	71.974	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 143.940%		
35) Dibromofluoromethane	7.709	113	52048	41.996	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 84.000%		
50) Toluene-d8	10.178	98	243728	55.280	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 110.560%		
62) 4-Bromofluorobenzene	12.477	95	80852	54.396	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 108.800%		
Target Compounds						
11) Tert butyl alcohol	4.972	59	251	2.472	ug/l #	80
13) Acrolein	3.747	56	18	Below Cal	#	16
16) Acetone	3.954	43	8365	17.414	ug/l	97
20) Methylene Chloride	4.716	84	15067	2.294	ug/l	87
31) Cyclohexane	7.789	56	3035	1.390	ug/l #	8
36) 1,1-Dichloropropene	7.782	75	9490	4.614	ug/l #	48
38) Carbon Tetrachloride	7.782	117	11653	5.405	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44304	37.550	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44304	76.811	ug/l #	13
95) Naphthalene	15.238	128	10476	2.936	ug/l #	92

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

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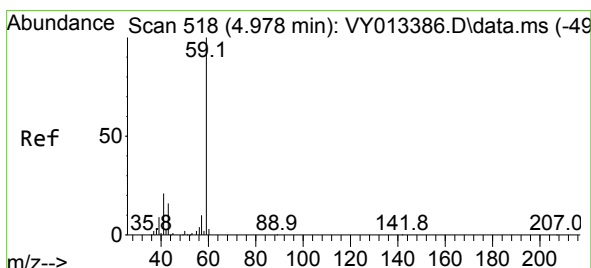
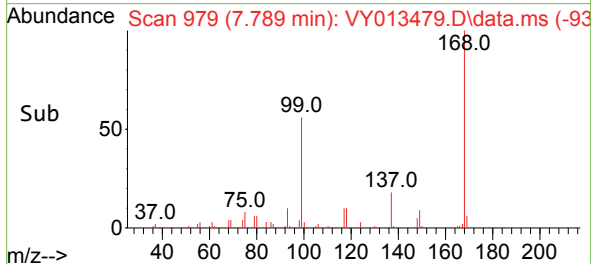
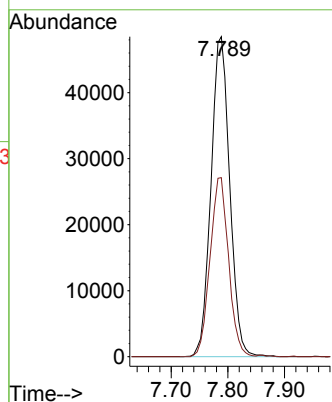
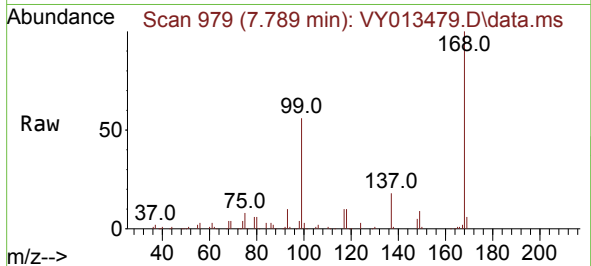




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

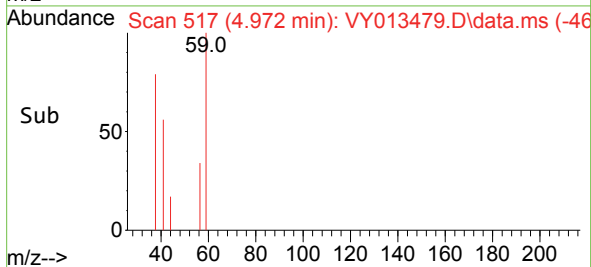
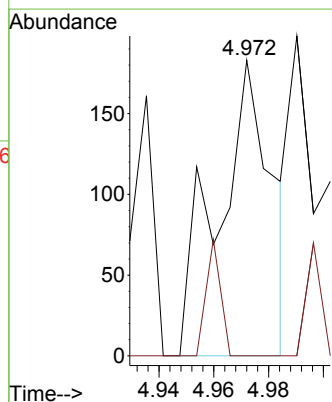
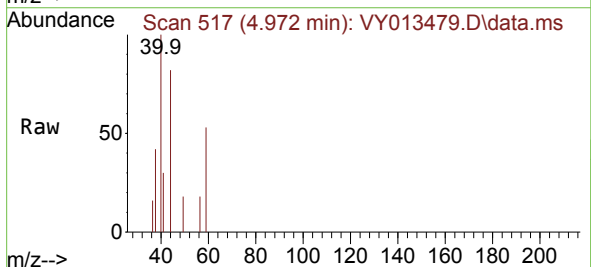
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1

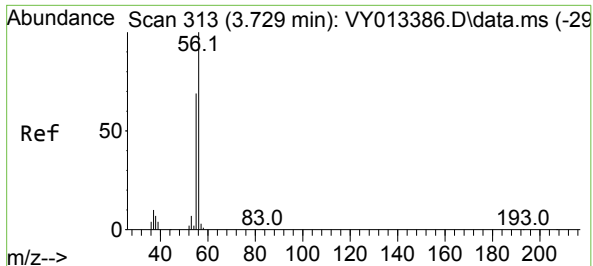
Tgt Ion:168 Resp: 111274
Ion Ratio Lower Upper
168 100
99 55.9 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.472 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Tgt Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 10.4 3.0 4.4#

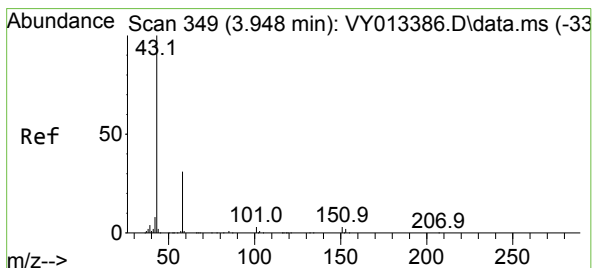
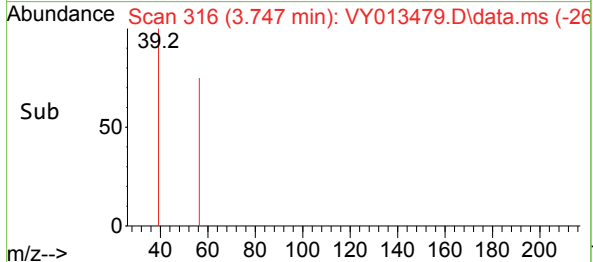
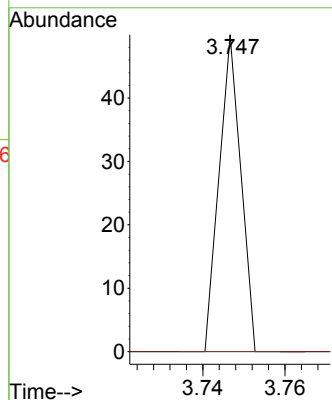
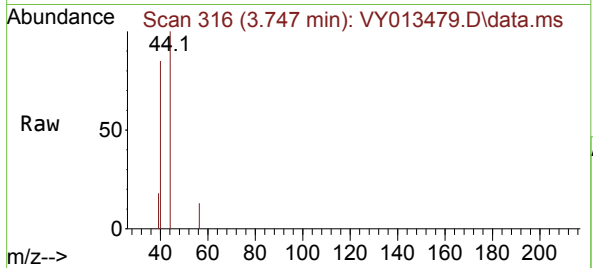




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

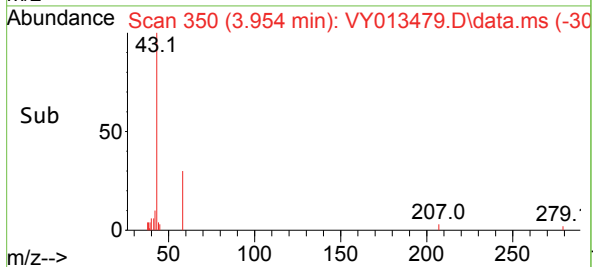
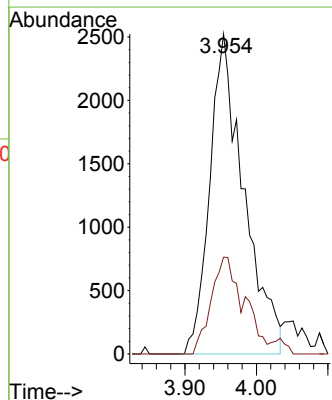
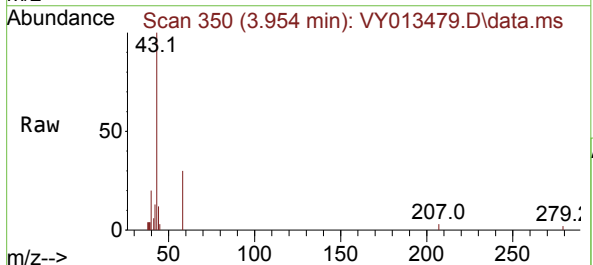
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1

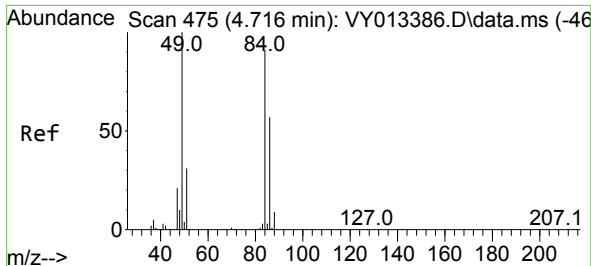
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 17.414 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Tgt Ion: 43 Resp: 8365
Ion Ratio Lower Upper
43 100
58 30.2 25.4 38.0

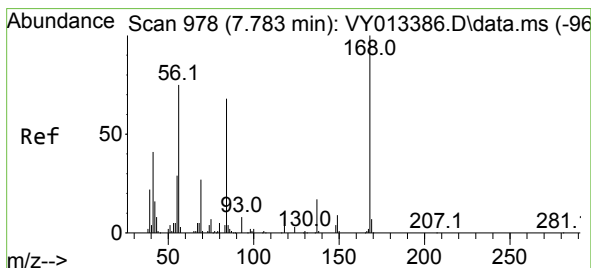
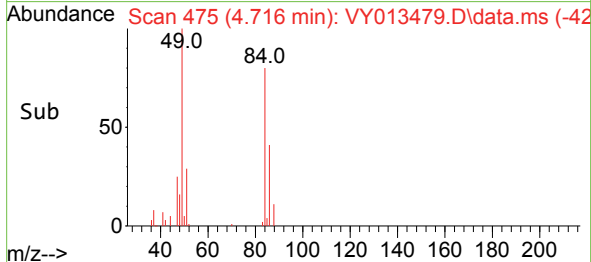
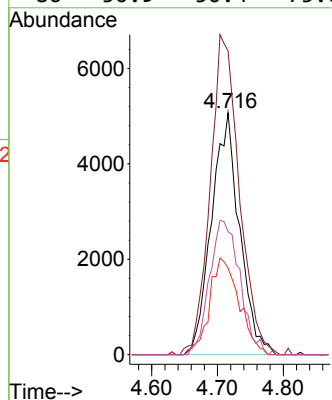
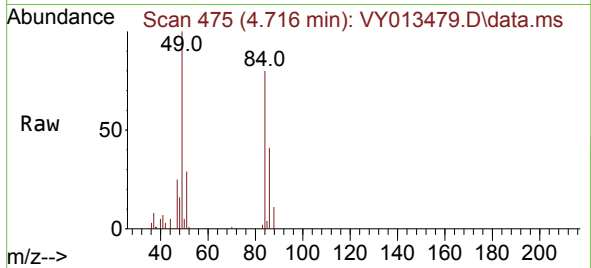




#20
Methylene Chloride
Concen: 2.294 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

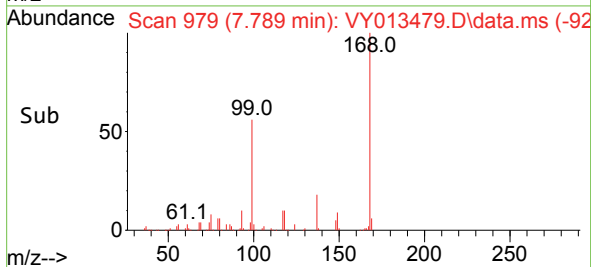
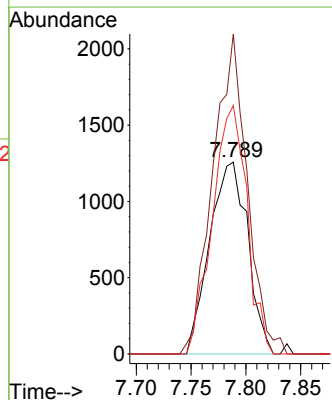
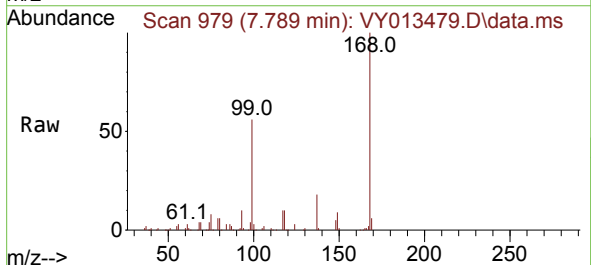
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1

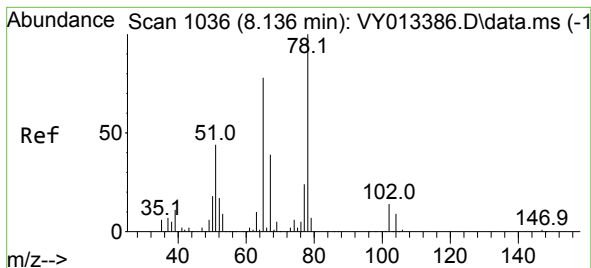
Tgt Ion:	84	Resp:	15067
Ion	Ratio	Lower	Upper
84	100		
49	125.6	88.0	132.0
51	35.8	27.4	41.0
86	50.9	50.4	75.6



#31
Cyclohexane
Concen: 1.390 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Tgt Ion:	56	Resp:	3035
Ion	Ratio	Lower	Upper
56	100		
69	166.8	29.2	43.8#
84	129.4	73.0	109.6#





#33

1,2-Dichloroethane-d4

Concen: 71.974 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013479.D

Acq: 26 Apr 2023 17:27

Instrument :

MSVOA_Y

ClientSampleId :

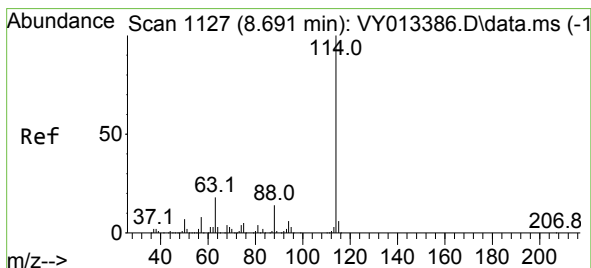
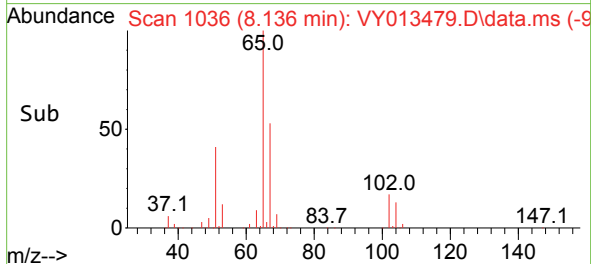
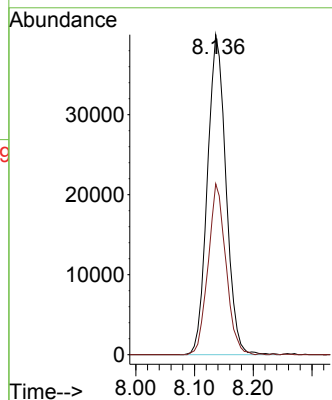
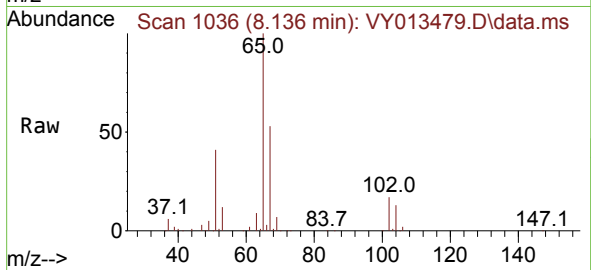
CRCA-1

Tgt Ion: 65 Resp: 87794

Ion Ratio Lower Upper

65 100

67 51.3 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: VY013479.D

Acq: 26 Apr 2023 17:27

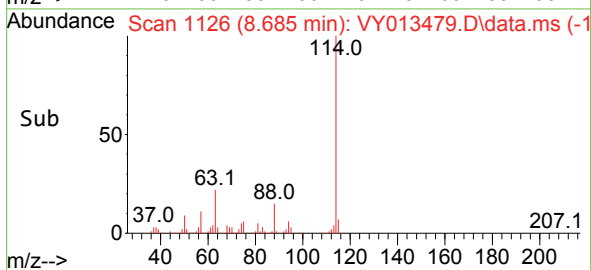
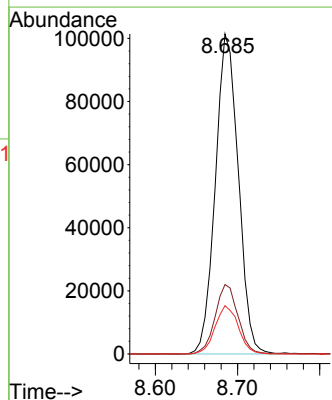
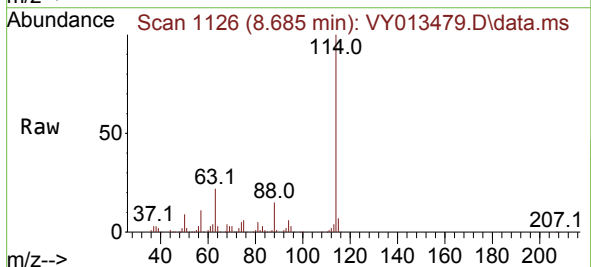
Tgt Ion: 114 Resp: 197052

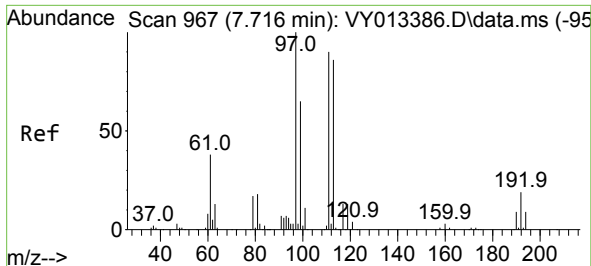
Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.6

88 15.1 0.0 28.8

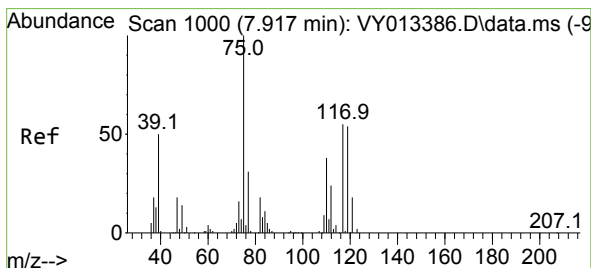
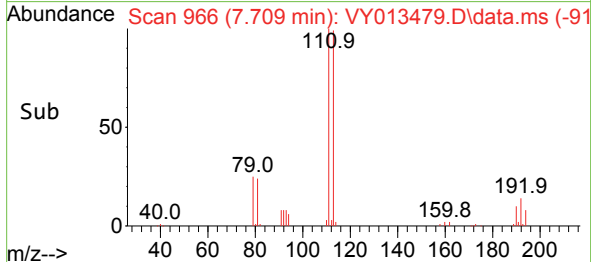
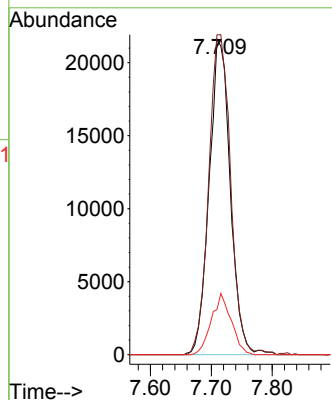
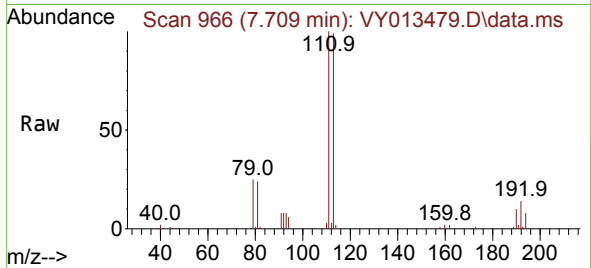




#35
Dibromofluoromethane
Concen: 41.996 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

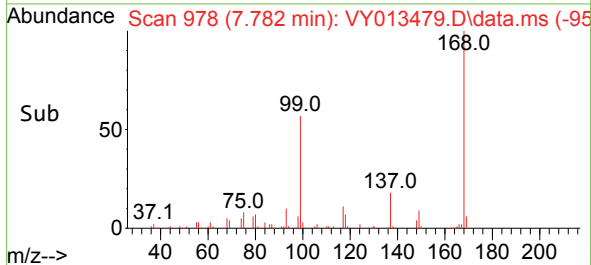
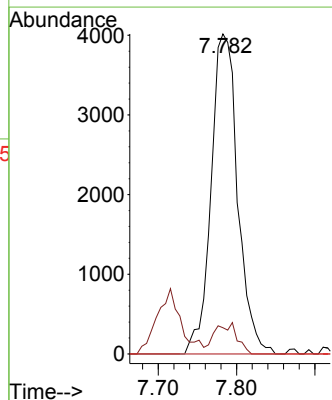
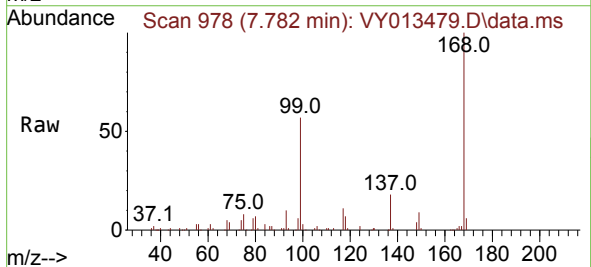
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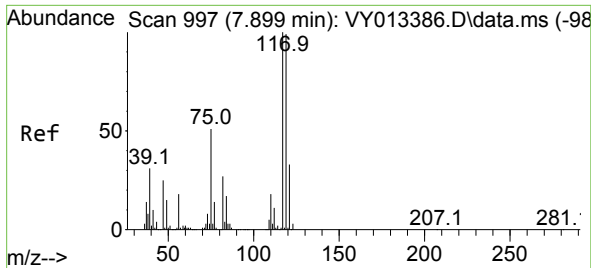
Tgt Ion:113 Resp: 52048
Ion Ratio Lower Upper
113 100
111 105.1 82.2 123.2
192 18.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Tgt Ion: 75 Resp: 9490
Ion Ratio Lower Upper
75 100
110 8.1 18.7 56.1#
77 0.0 24.6 37.0#

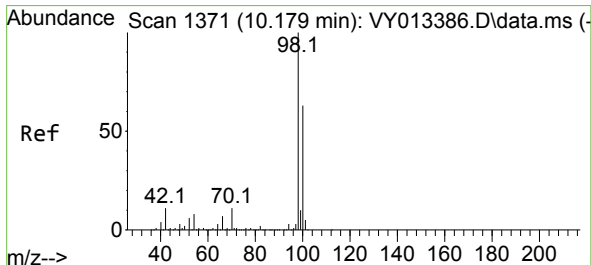
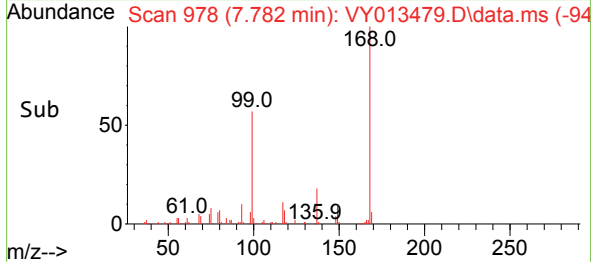
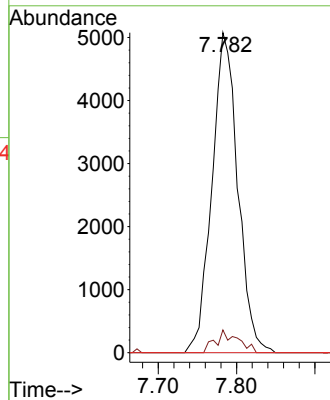
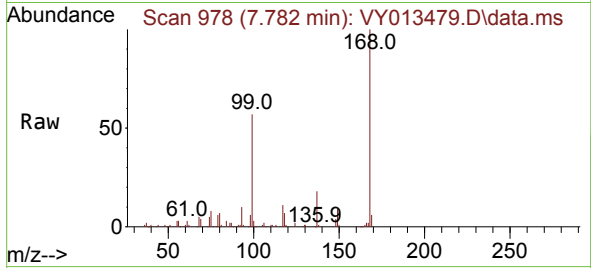




#38
Carbon Tetrachloride
Concen: 5.405 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.117 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

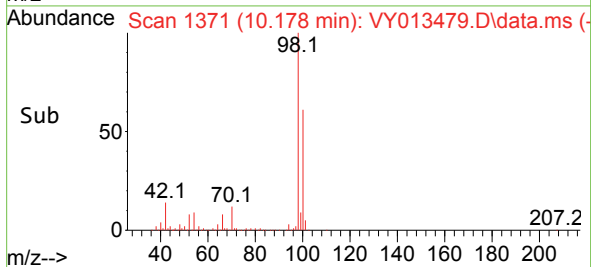
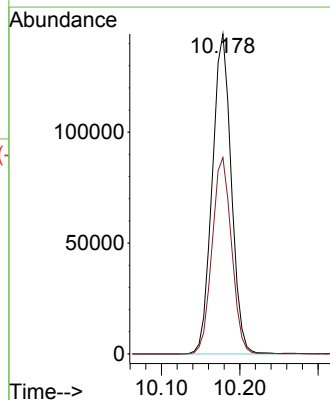
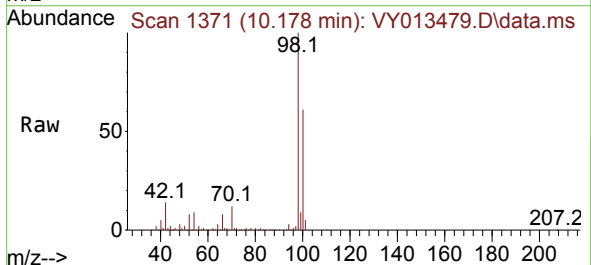
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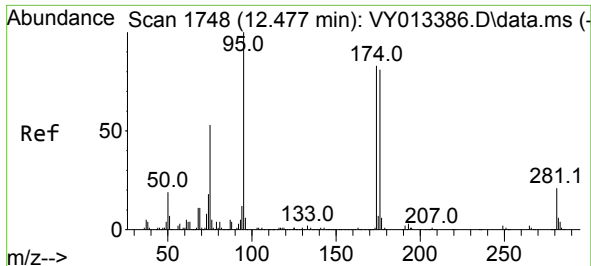
Tgt Ion:117 Resp: 11653
Ion Ratio Lower Upper
117 100
119 7.1 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 55.280 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Tgt Ion: 98 Resp: 243728
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7

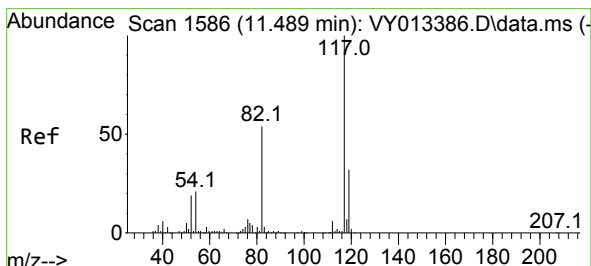
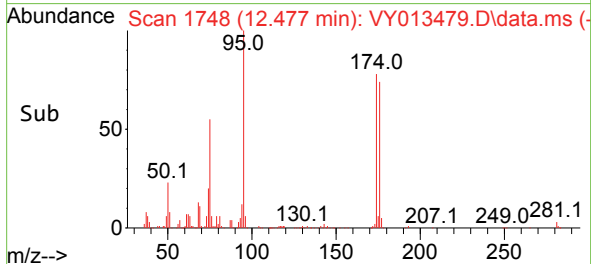
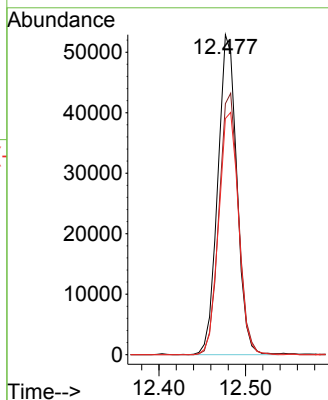
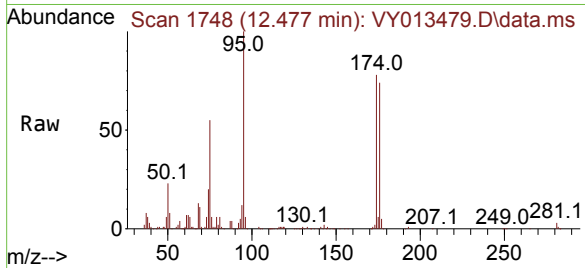




#62
4-Bromofluorobenzene
Concen: 54.396 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

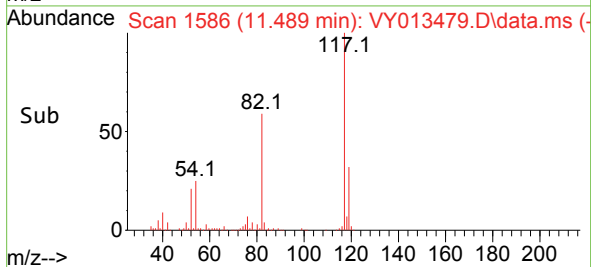
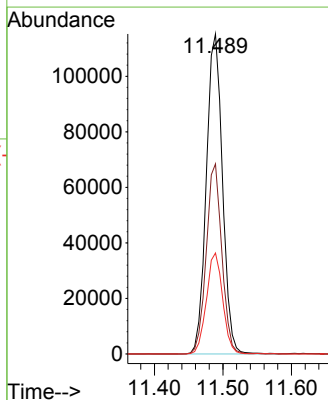
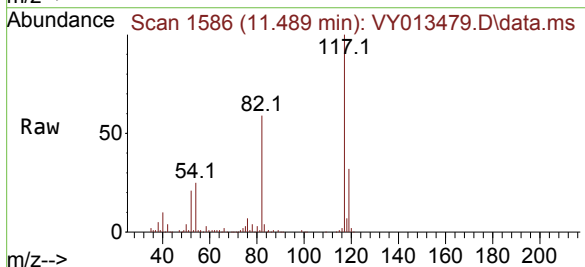
Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1

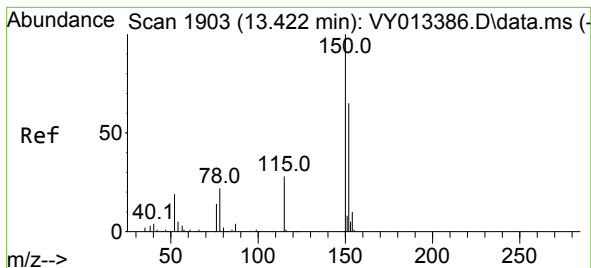
Tgt Ion: 95 Resp: 80852
Ion Ratio Lower Upper
95 100
174 83.7 0.0 182.0
176 79.3 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Tgt Ion: 117 Resp: 188754
Ion Ratio Lower Upper
117 100
82 59.4 43.0 64.6
119 31.6 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: VY013479.D

Acq: 26 Apr 2023 17:27

Instrument :

MSVOA_Y

ClientSampleId :

CRCA-1

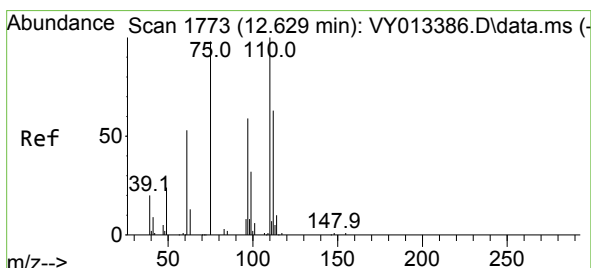
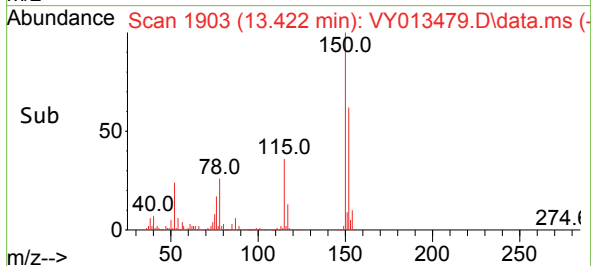
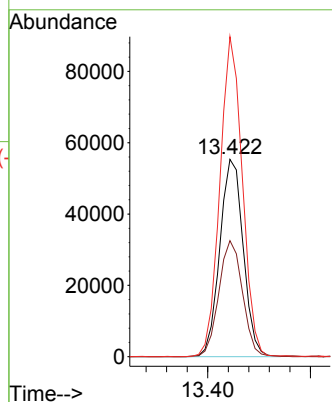
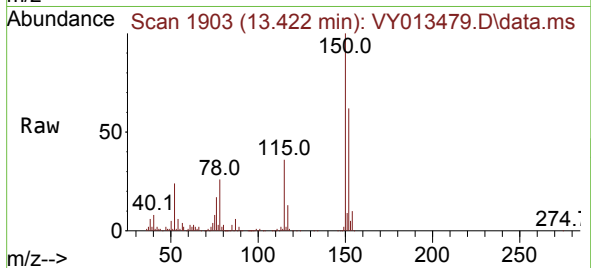
Tgt Ion:152 Resp: 87486

Ion Ratio Lower Upper

152 100

115 59.3 28.1 84.2

150 155.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.550 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013479.D

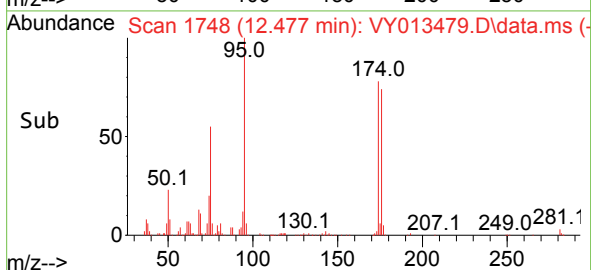
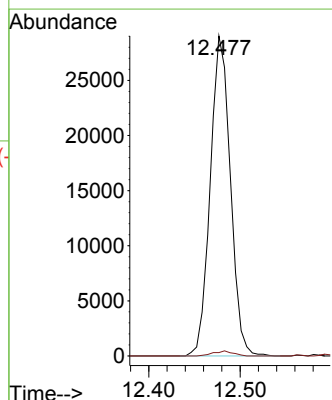
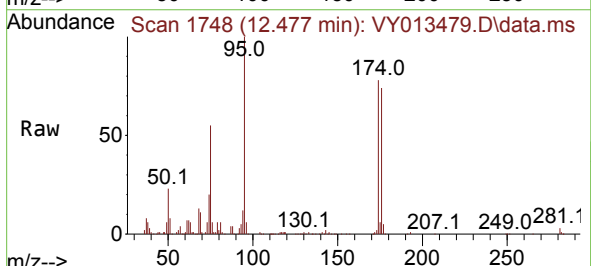
Acq: 26 Apr 2023 17:27

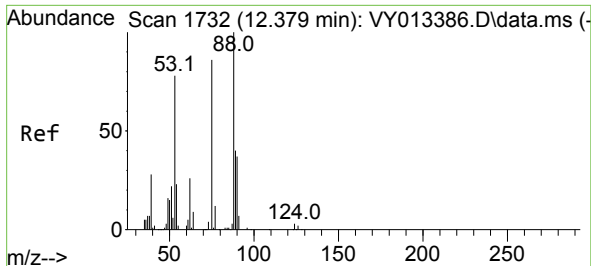
Tgt Ion: 75 Resp: 44304

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

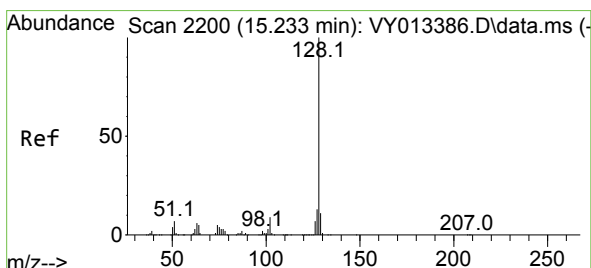
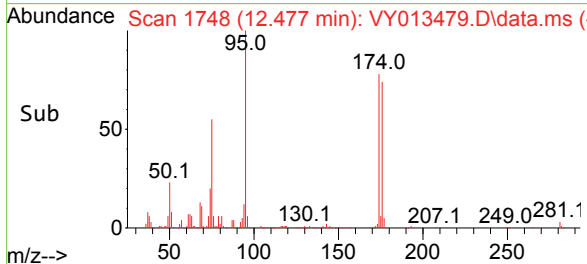
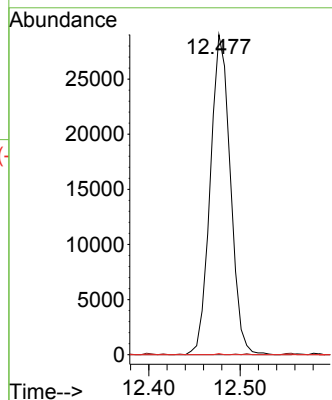
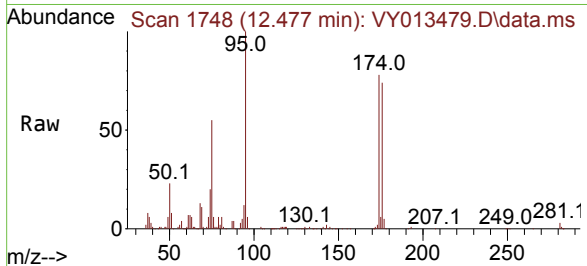




#81
trans-1,4-Dichloro-2-butene
Concen: 76.811 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Instrument :
MSVOA_Y
ClientSampleId :
CRCA-1

Tgt Ion: 75 Resp: 44304
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.1 38.0 57.0#



#95
Naphthalene
Concen: 2.936 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. 0.005 min
Lab File: VY013479.D
Acq: 26 Apr 2023 17:27

Tgt Ion:128 Resp: 10476
Ion Ratio Lower Upper
128 100
127 15.9 10.7 16.1
129 14.8 8.8 13.2#

