

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050523\
 Data File : VY013635.D
 Acq On : 05 May 2023 19:02
 Operator : KP/MD
 Sample : 02588-12
 Misc : 4.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ZONE-D-6-9-05022023

Quant Time: May 08 00:26:01 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)

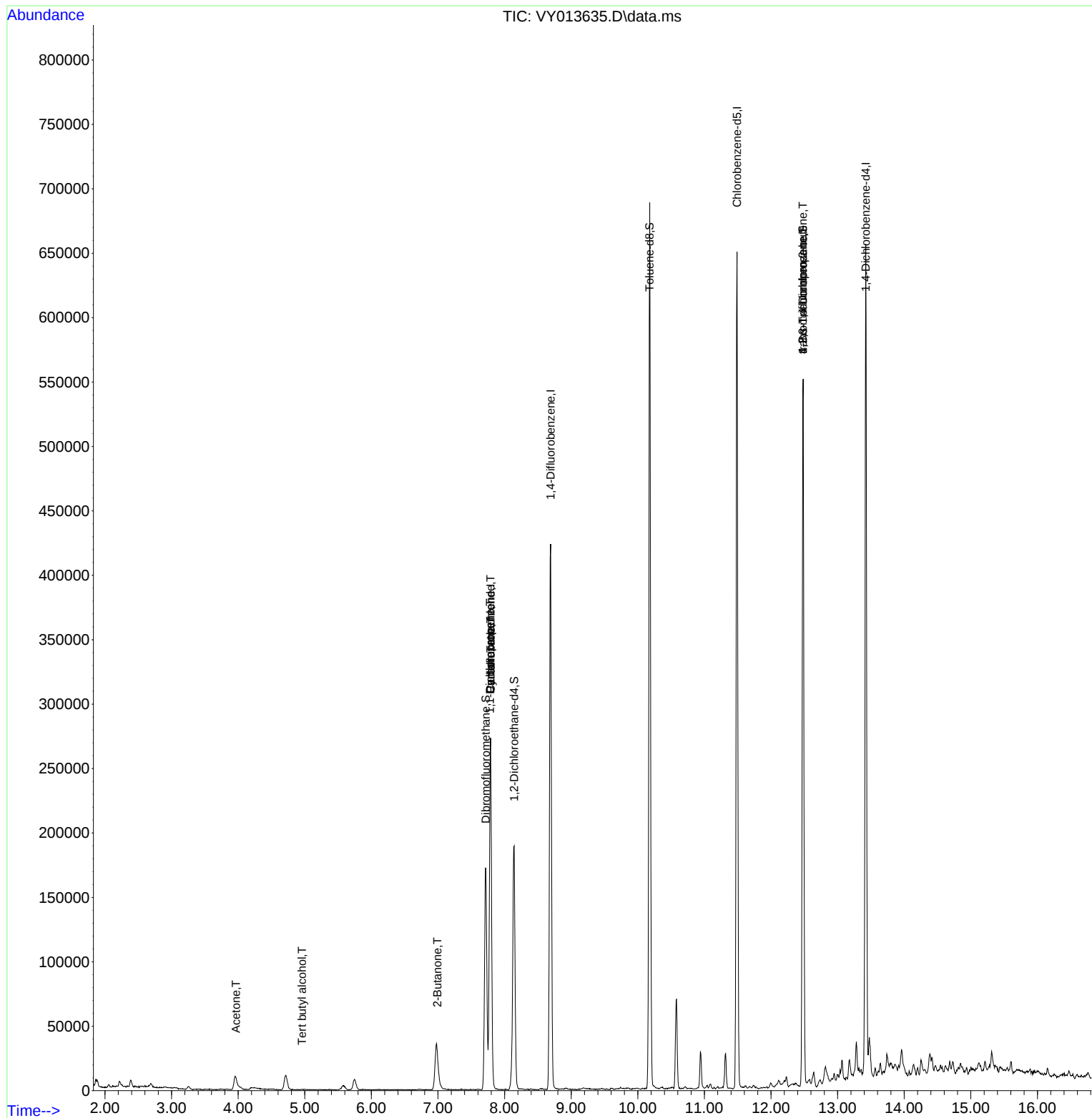
Internal Standards						
1) Pentafluorobenzene	7.789	168	211167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	355971	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	348207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	152920	66.060	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.120%			
35) Dibromofluoromethane	7.716	113	119940	53.571	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.140%			
50) Toluene-d8	10.179	98	432865	54.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.700%			
62) 4-Bromofluorobenzene	12.477	95	148896	55.453	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.900%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	382	2.111	ug/l #	89
13) Acrolein	3.729	56	404	Below Cal	#	77
16) Acetone	3.966	43	24188	26.533	ug/l #	85
20) Methylene Chloride	4.710	84	8128	Below Cal	#	90
25) 2-Butanone	6.990	43	9666	8.361	ug/l	91
31) Cyclohexane	7.789	56	4757	1.148	ug/l #	38
36) 1,1-Dichloropropene	7.783	75	16151	4.347	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20721	5.321	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	79395	35.721	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	79395	73.069	ug/l #	13

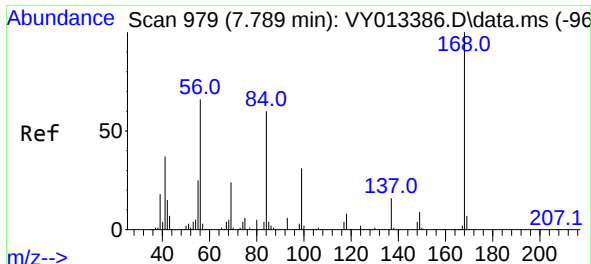
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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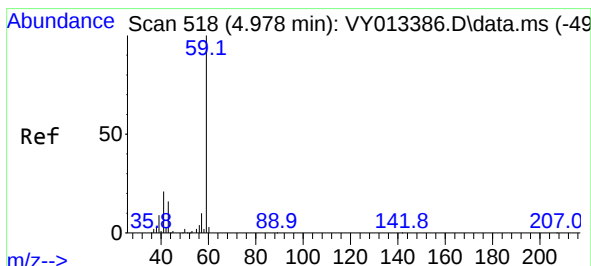
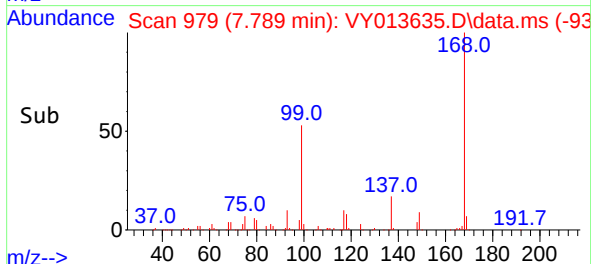
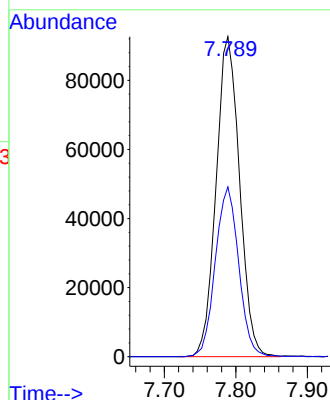
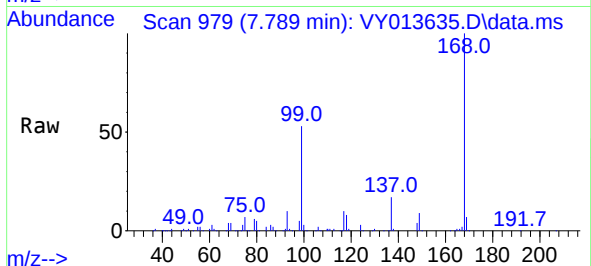




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

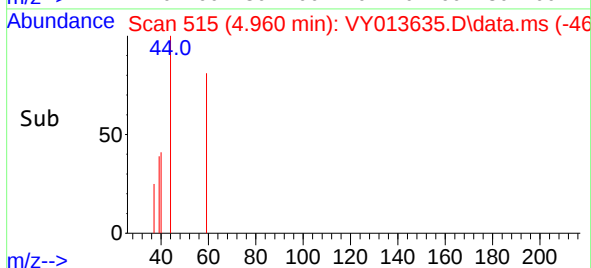
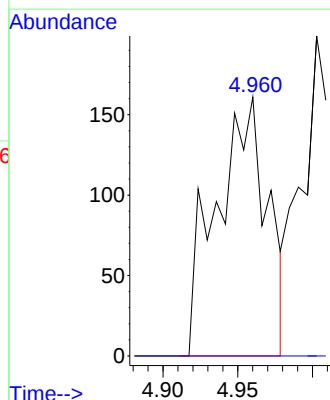
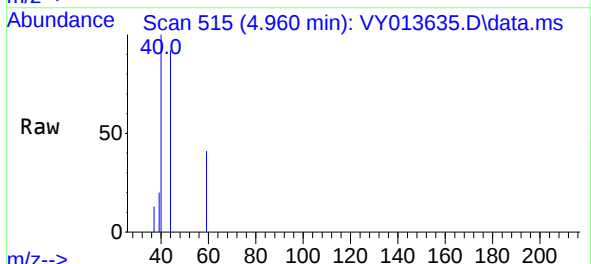
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-6-9-05022023

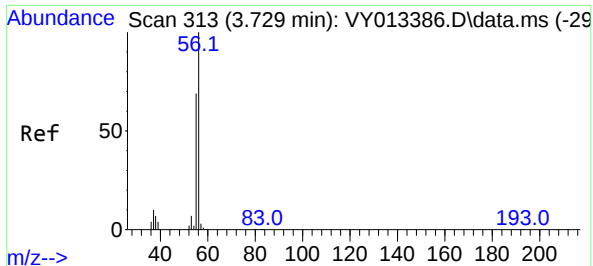
Tgt Ion:168 Resp: 211167
Ion Ratio Lower Upper
168 100
99 53.1 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.111 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

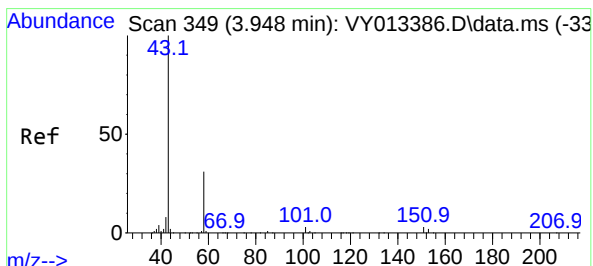
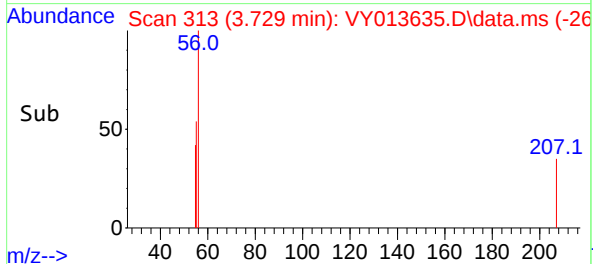
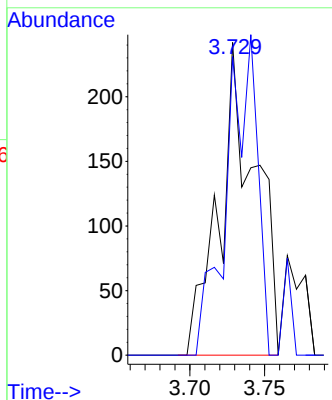
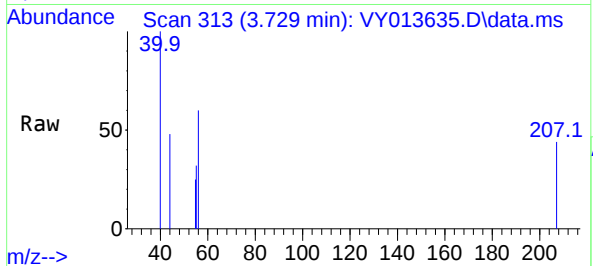




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

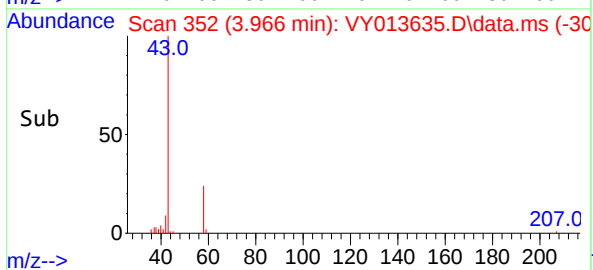
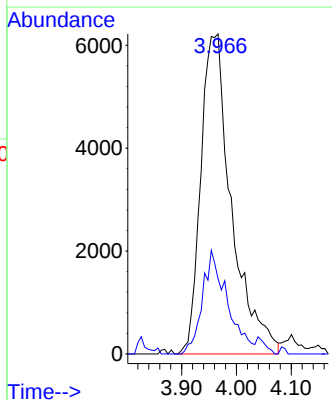
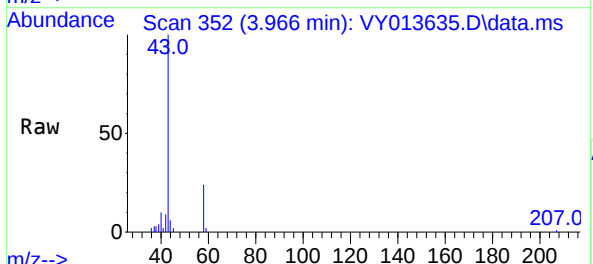
Instrument :
MSVOA_Y
ClientSampleId :
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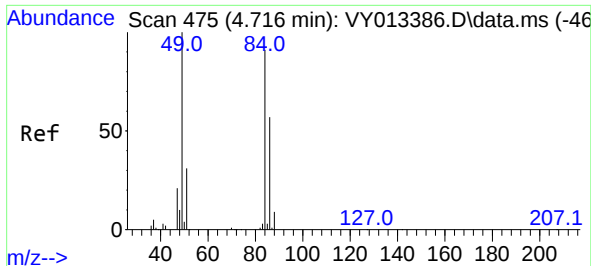
Tgt Ion: 56 Resp: 404
Ion Ratio Lower Upper
56 100
55 86.1 54.1 81.1#



#16
Acetone
Concen: 26.533 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.018 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Tgt Ion: 43 Resp: 24188
Ion Ratio Lower Upper
43 100
58 23.5 25.4 38.0#

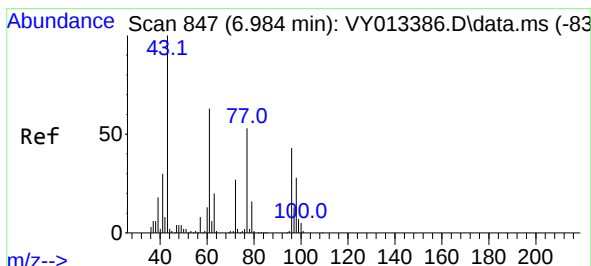
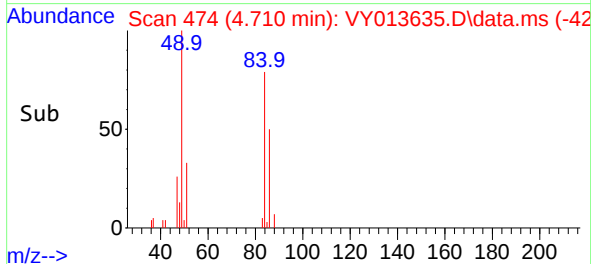
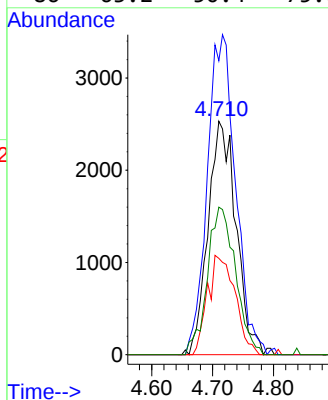
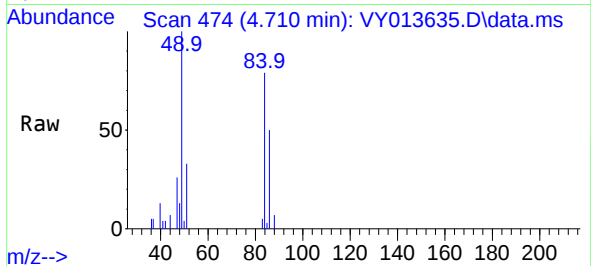




#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

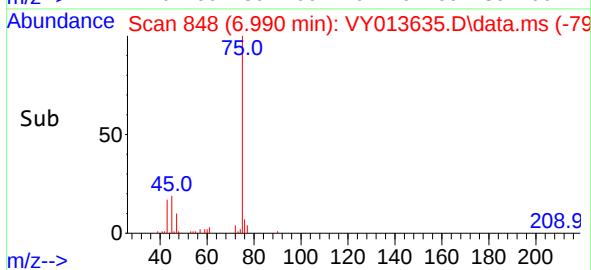
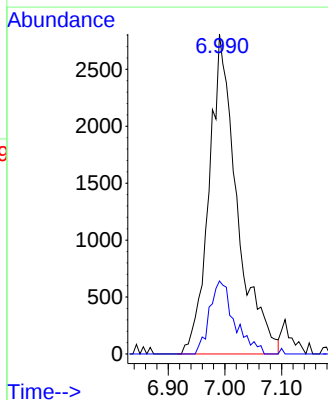
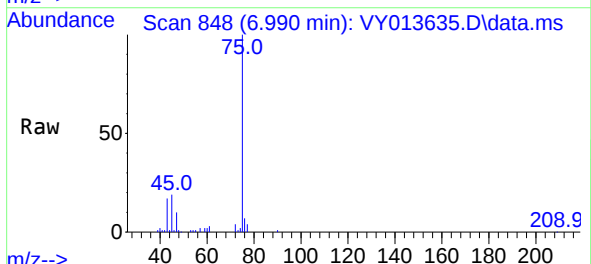
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-6-9-05022023

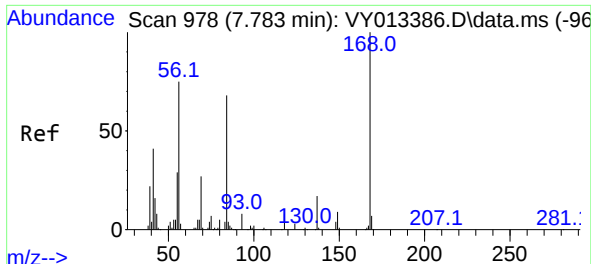
Tgt Ion:	84	Resp:	8128
Ion	Ratio	Lower	Upper
84	100		
49	126.0	88.0	132.0
51	41.2	27.4	41.0#
86	63.2	50.4	75.6



#25
2-Butanone
Concen: 8.361 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

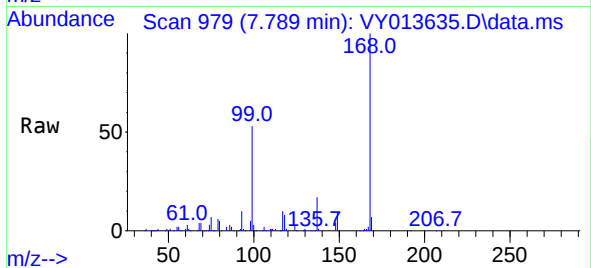
Tgt Ion:	43	Resp:	9666
Ion	Ratio	Lower	Upper
43	100		
72	22.8	21.9	32.9



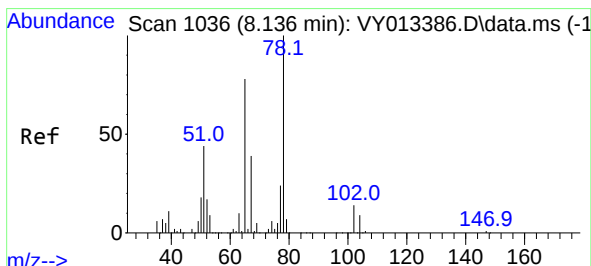
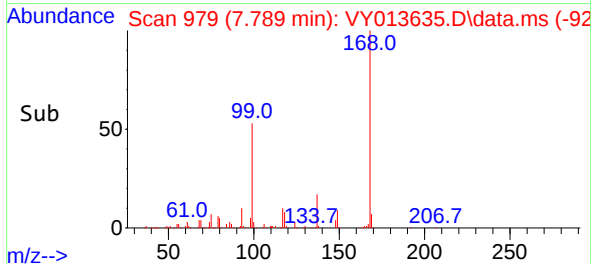
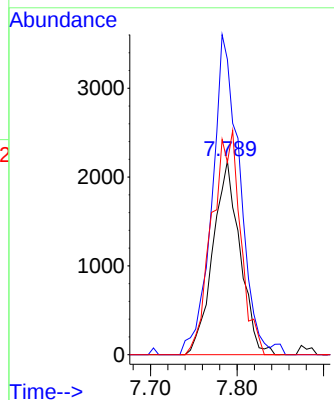


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-6-9-05022023

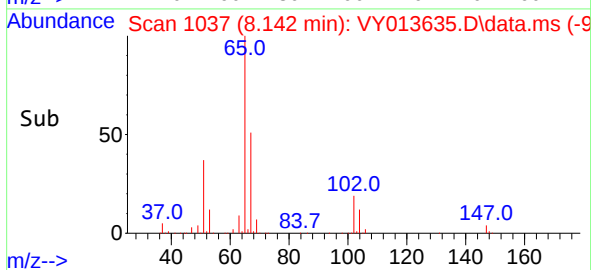
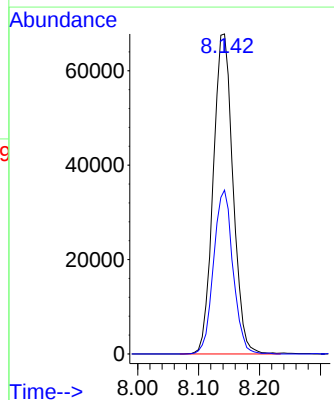
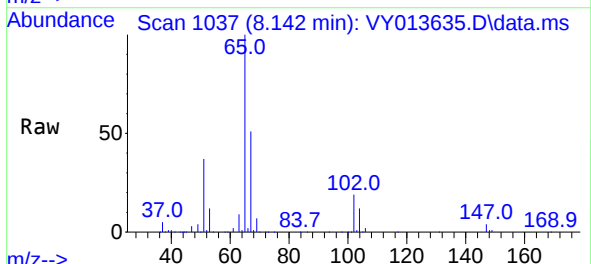


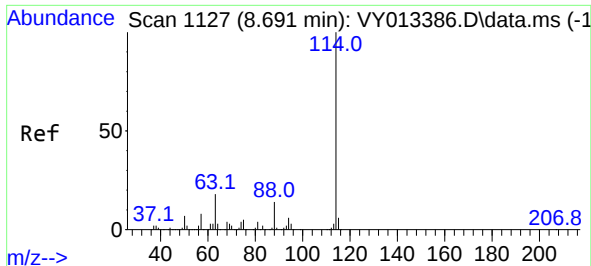
Tgt Ion: 56 Resp: 4757
Ion Ratio Lower Upper
56 100
69 152.4 29.2 43.8#
84 99.3 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 66.060 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Tgt Ion: 65 Resp: 152920
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013635.D

Acq: 05 May 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :

ZONE-D-6-9-05022023

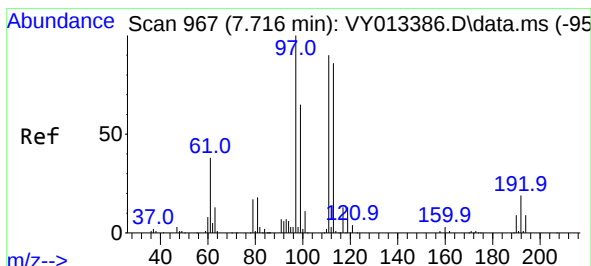
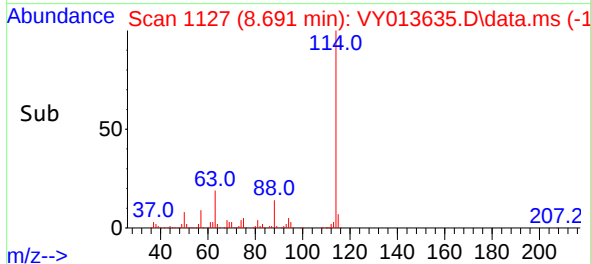
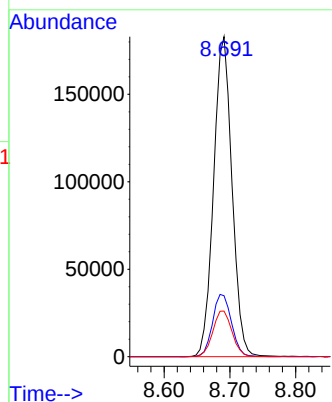
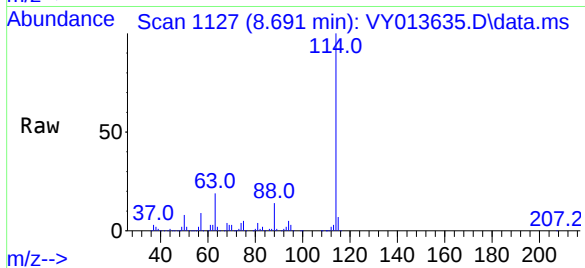
Tgt Ion:114 Resp: 355971

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.6

88 14.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 53.571 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013635.D

Acq: 05 May 2023 19:02

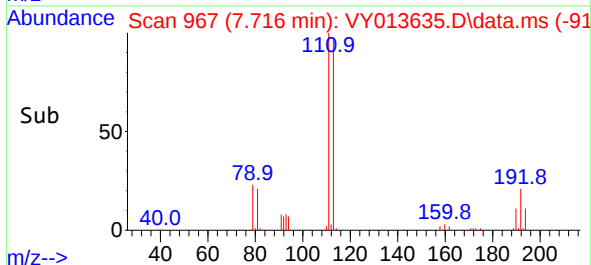
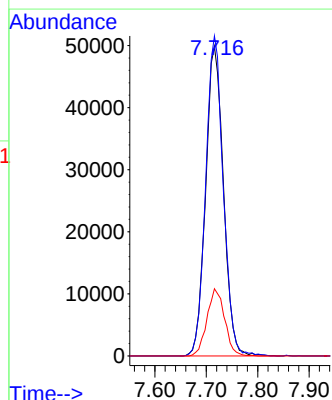
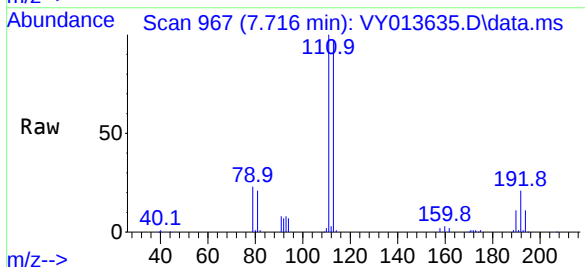
Tgt Ion:113 Resp: 119940

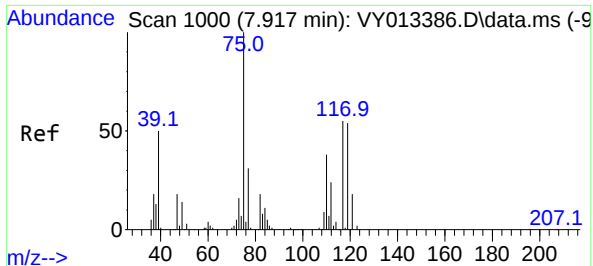
Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

192 21.6 16.7 25.1

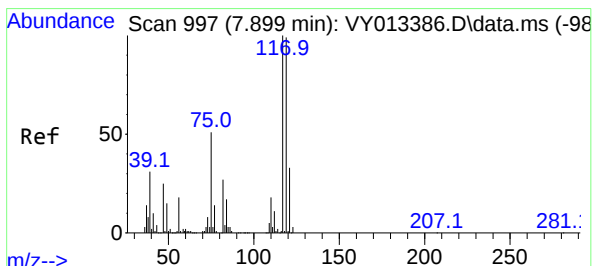
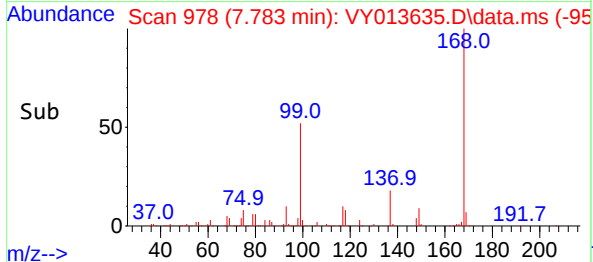
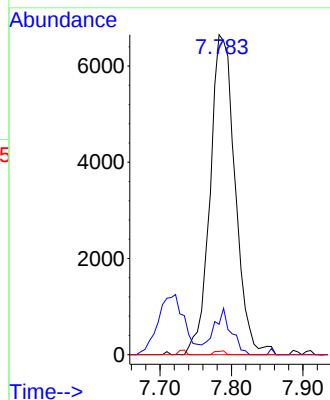
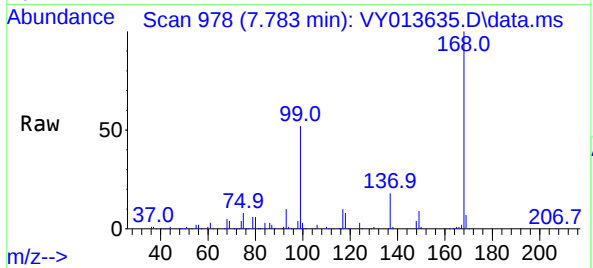




#36
1,1-Dichloropropene
Concen: 4.347 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

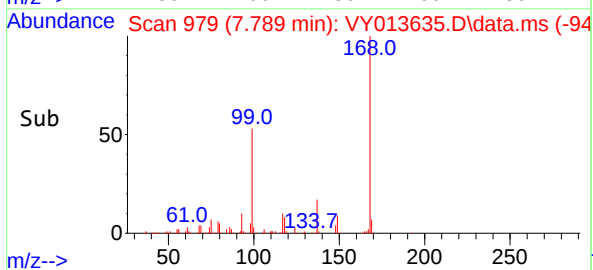
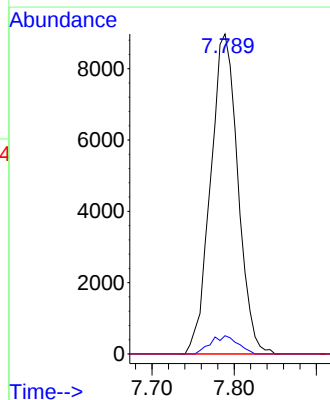
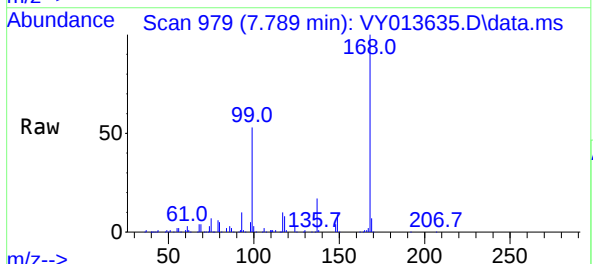
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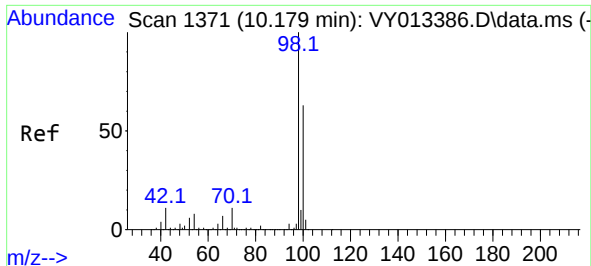
Tgt Ion: 75 Resp: 16151
Ion Ratio Lower Upper
75 100
110 10.0 18.7 56.1#
77 0.5 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.321 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Tgt Ion: 117 Resp: 20721
Ion Ratio Lower Upper
117 100
119 5.7 79.0 118.6#
121 0.0 26.6 40.0#

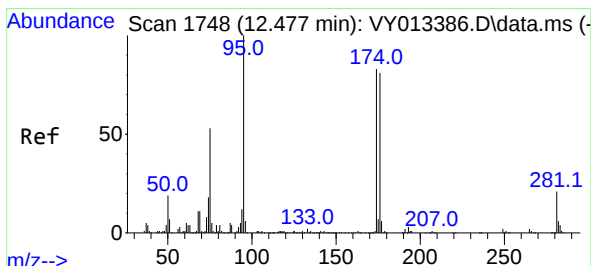
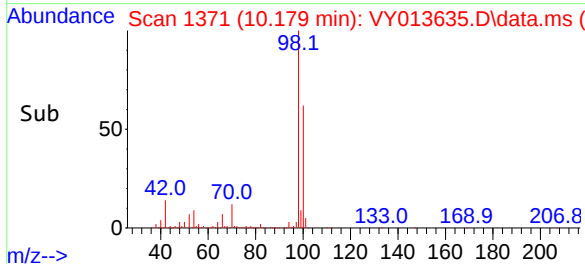
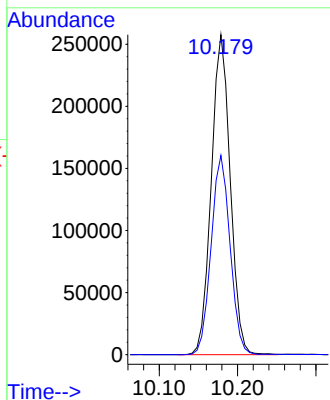
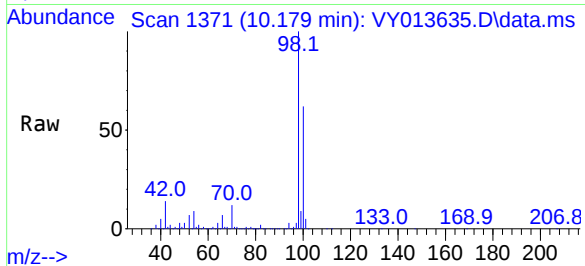




#50
Toluene-d8
Concen: 54.348 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

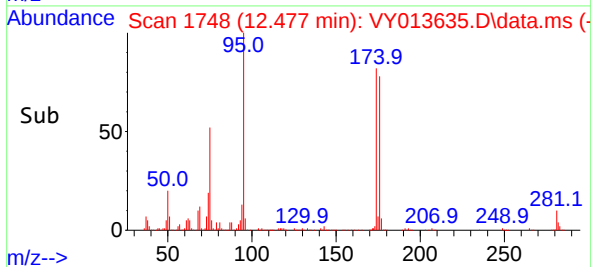
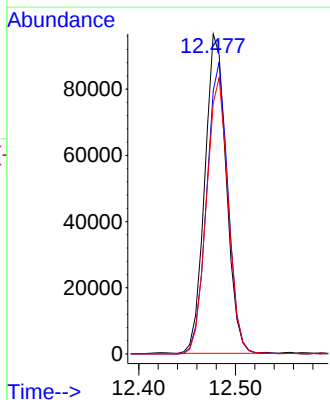
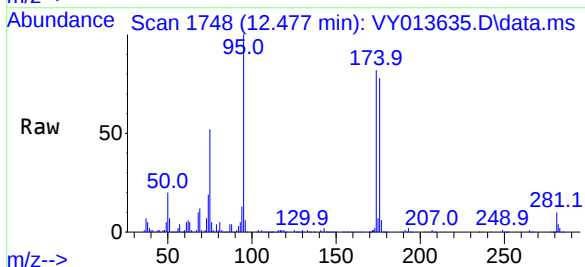
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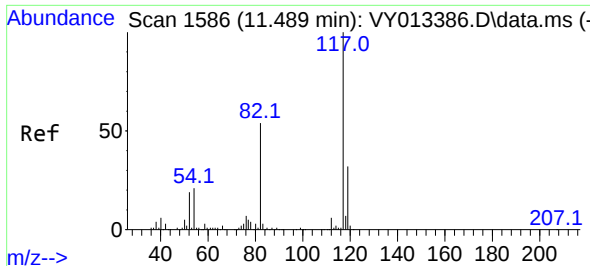
Tgt Ion: 98 Resp: 432865
Ion Ratio Lower Upper
98 100
100 62.4 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 55.453 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Tgt Ion: 95 Resp: 148896
Ion Ratio Lower Upper
95 100
174 91.1 0.0 182.0
176 87.6 0.0 175.4

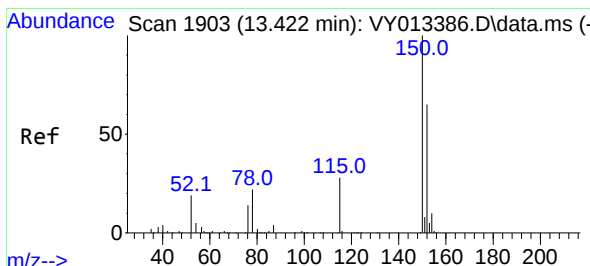
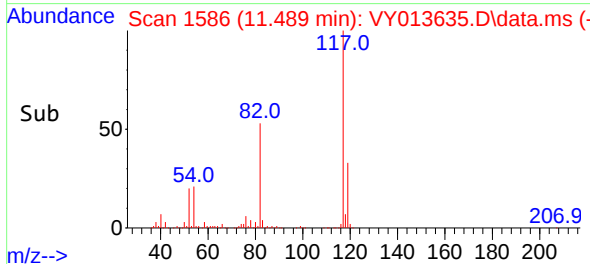
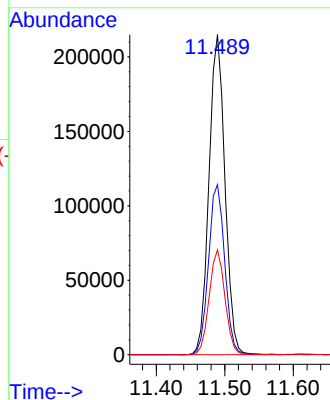
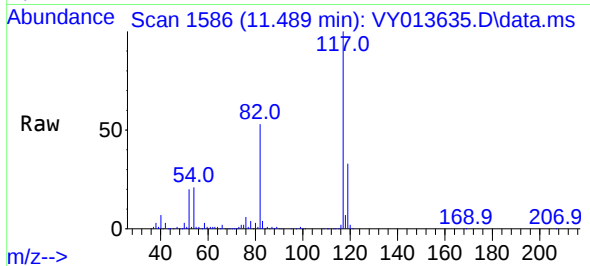




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

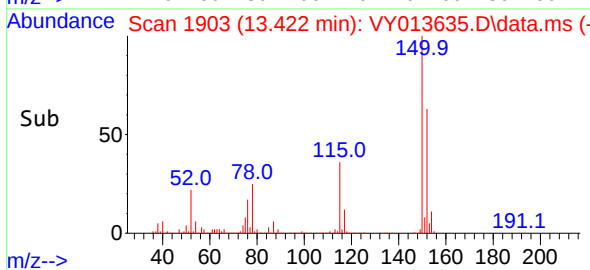
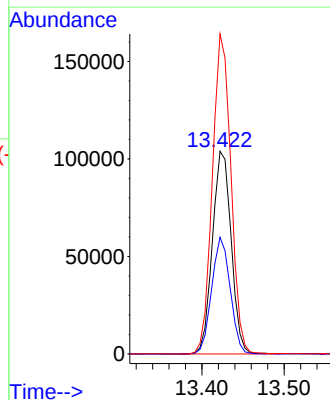
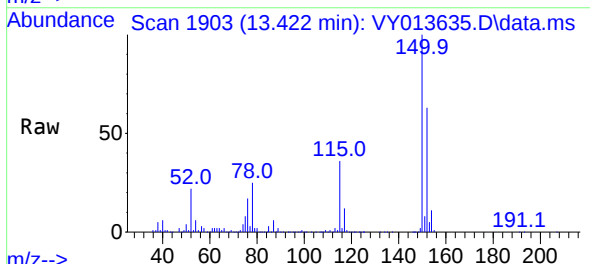
Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-6-9-05022023

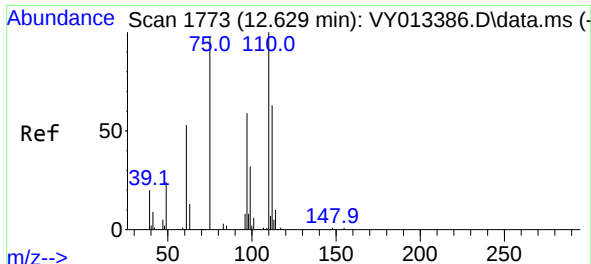
Tgt Ion:	117	Resp:	348207
Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.0	64.6
119	32.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Tgt Ion:	152	Resp:	164809
Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.1	84.2
150	155.5	0.0	352.0

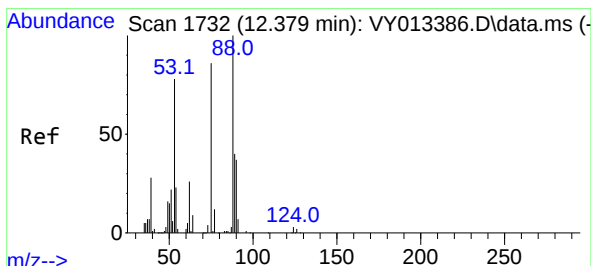
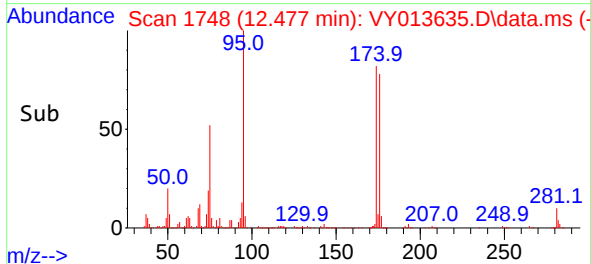
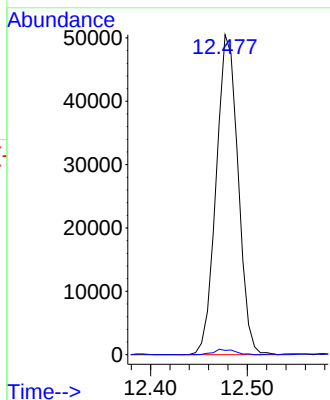
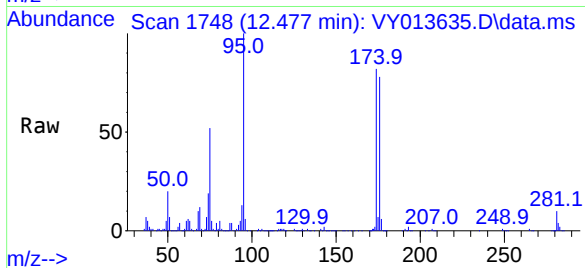




#76
1,2,3-Trichloropropane
Concen: 35.721 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :
ZONE-D-6-9-05022023

Tgt Ion: 75 Resp: 79395
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.069 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013635.D
Acq: 05 May 2023 19:02

Tgt Ion: 75 Resp: 79395
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.2 38.0 57.0#

