

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015352.D
 Acq On : 25 Aug 2023 19:01
 Operator : SY/MD
 Sample : 04188-04
 Misc : 6.4g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

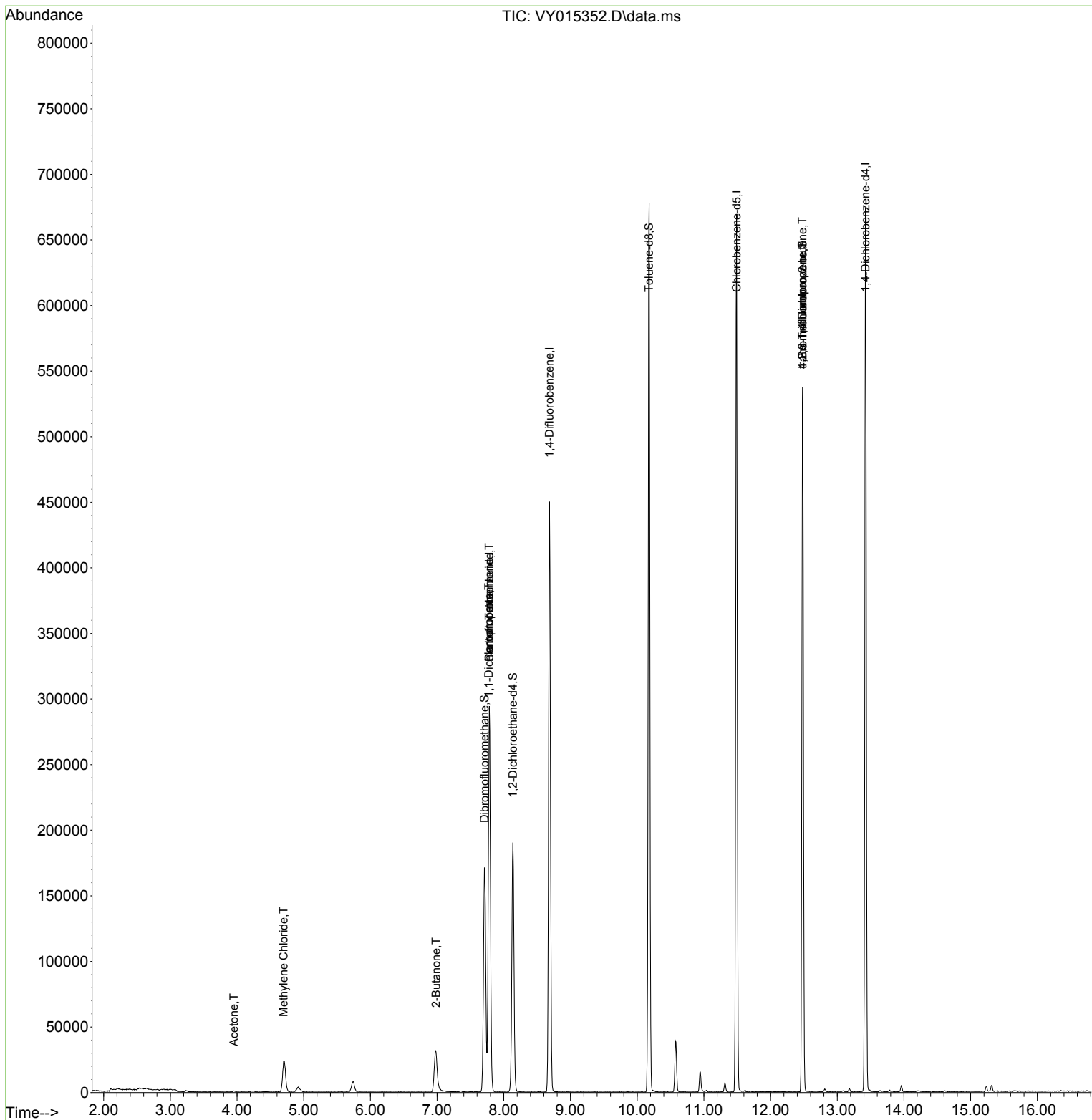
Quant Time: Aug 25 23:46:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

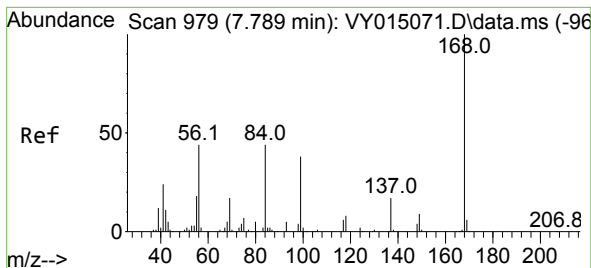
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	225871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	379005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	349483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	148666	54.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.660%	
35) Dibromofluoromethane	7.710	113	120714	49.508	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.020%	
50) Toluene-d8	10.179	98	440260	48.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	12.477	95	155802	46.996	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	95	Below Cal	#	43
3) Chloromethane	2.107	50	235	Below Cal	#	59
5) Bromomethane	2.644	94	215	Below Cal	#	80
11) Tert butyl alcohol	4.918	59	4172	Below Cal	#	89
16) Acetone	3.954	43	1466	1.655	ug/l #	74
20) Methylene Chloride	4.698	84	18699	4.909	ug/l	90
25) 2-Butanone	6.984	43	1809	1.442	ug/l #	49
31) Cyclohexane	7.777	56	4688	Below Cal	#	4
36) 1,1-Dichloropropene	7.777	75	17670	6.551	ug/l #	50
38) Carbon Tetrachloride	7.783	117	22518	7.053	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	86245	41.605	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86245	91.384	ug/l #	11

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

Quant Time: Aug 25 23:46:53 2023
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015352.D

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Instrument :

MSVOA_Y

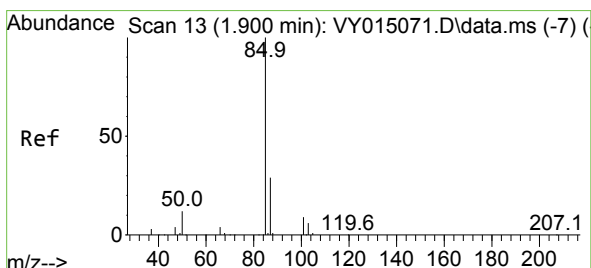
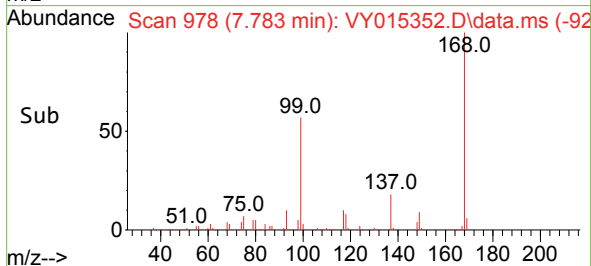
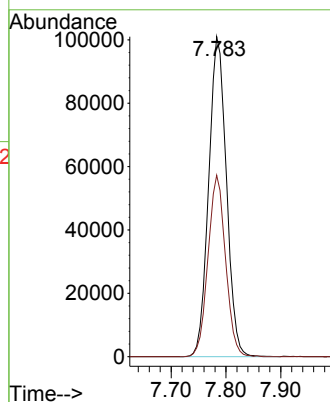
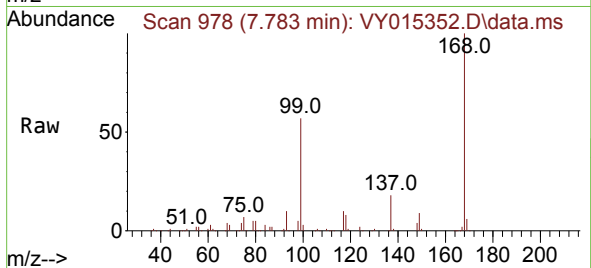
ClientSampleId :

Tgt Ion:168 Resp: 225871

Ion Ratio Lower Upper

168 100

99 56.7 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.894 min Scan# 12

Delta R.T. -0.006 min

Lab File: VY015352.D

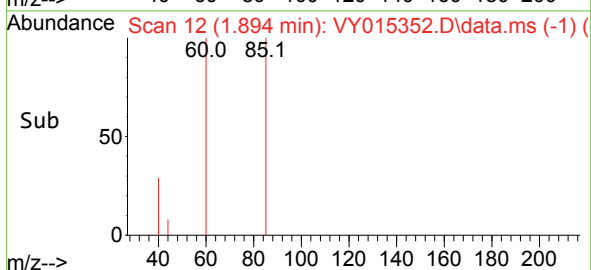
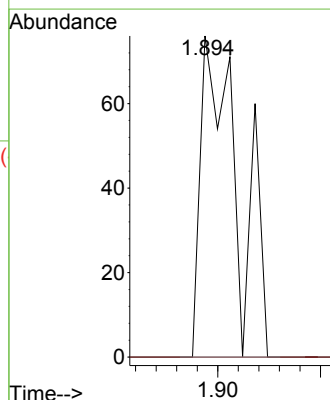
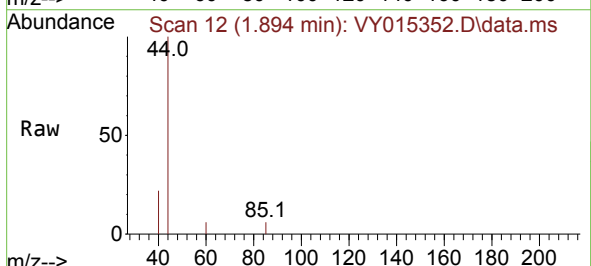
Acq: 25 Aug 2023 19:01

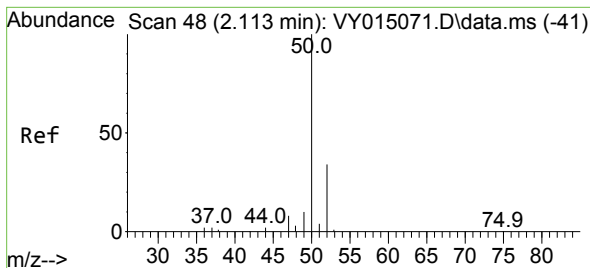
Tgt Ion: 85 Resp: 95

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY015352.D

Acq: 25 Aug 2023 19:01

Instrument :

MSVOA_Y

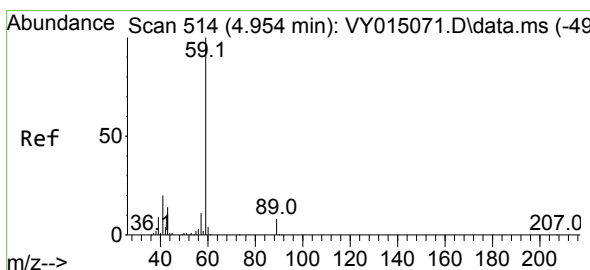
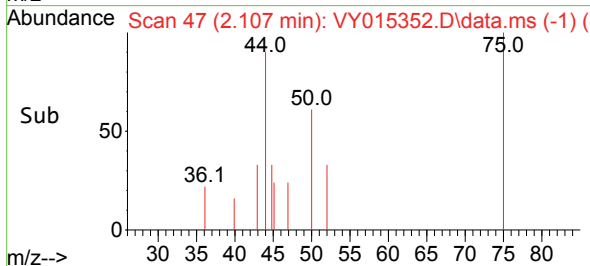
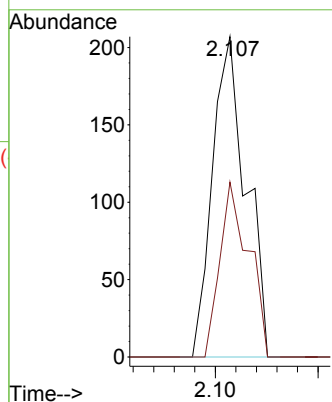
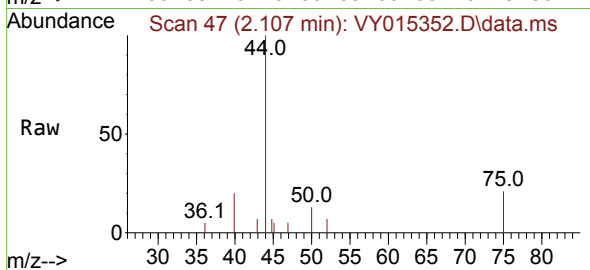
ClientSampleId :

Tgt Ion: 50 Resp: 235

Ion Ratio Lower Upper

50 100

52 54.6 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.918 min Scan# 508

Delta R.T. -0.030 min

Lab File: VY015352.D

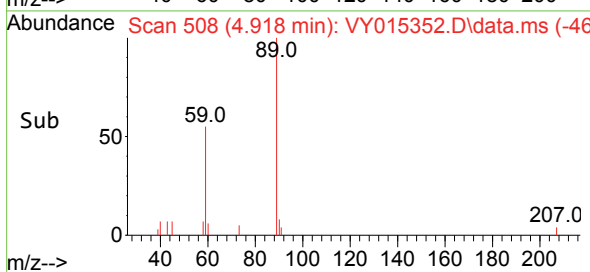
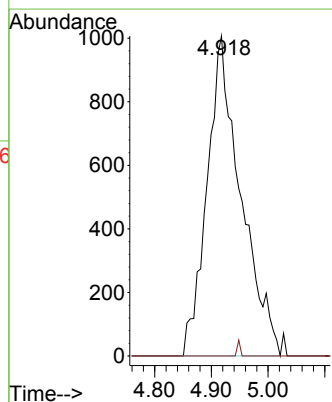
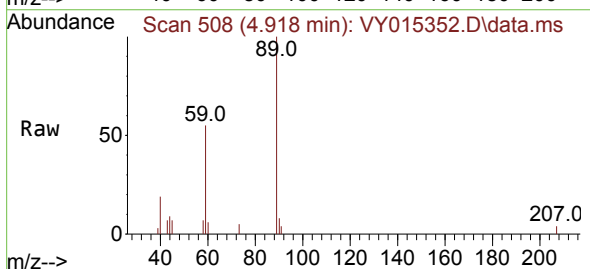
Acq: 25 Aug 2023 19:01

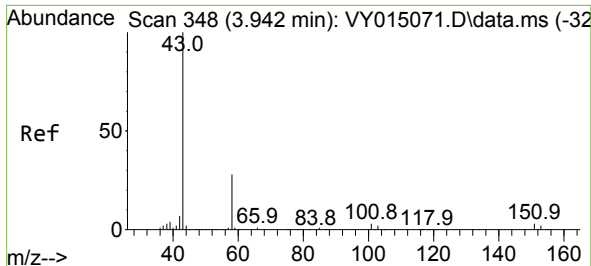
Tgt Ion: 59 Resp: 4172

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

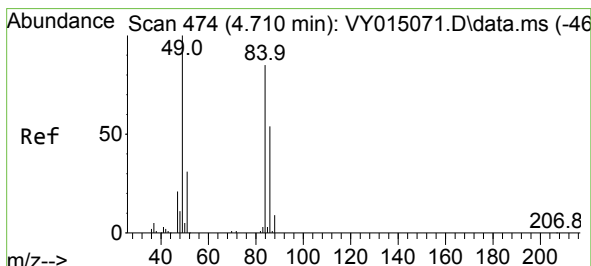
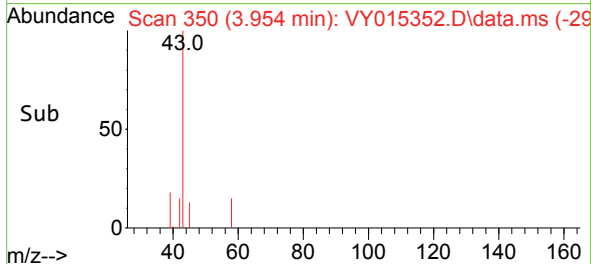
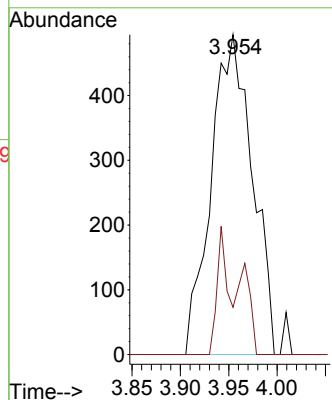
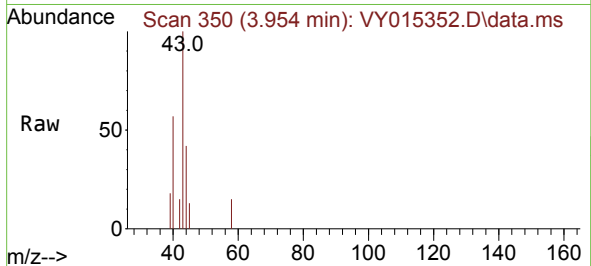




#16
Acetone
Concen: 1.655 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

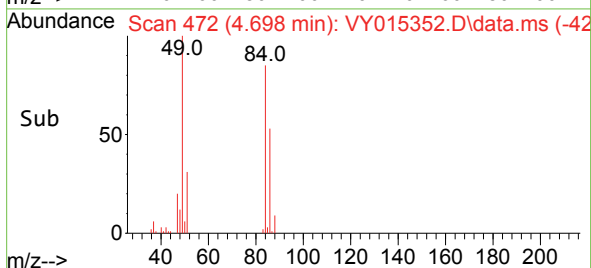
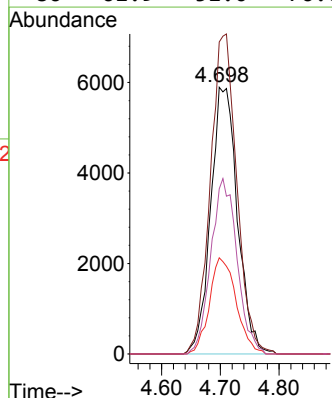
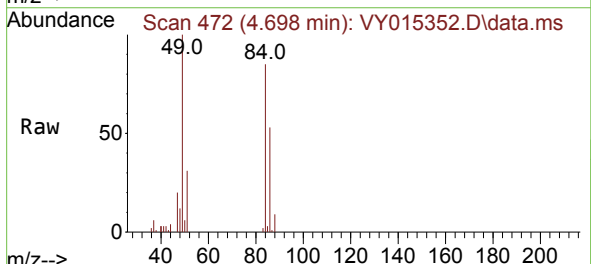
Instrument :
MSVOA_Y
ClientSampleId :

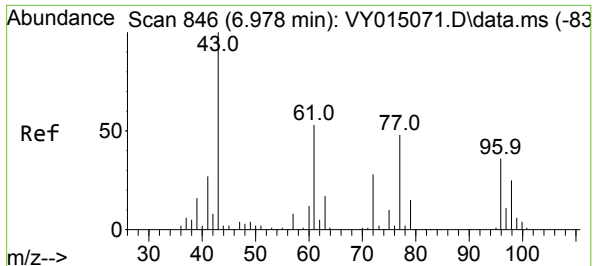
Tgt Ion: 43 Resp: 1466
Ion Ratio Lower Upper
43 100
58 14.8 22.7 34.1#



#20
Methylene Chloride
Concen: 4.909 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

Tgt Ion: 84 Resp: 18699
Ion Ratio Lower Upper
84 100
49 117.0 106.9 160.3
51 36.0 33.2 49.8
86 61.9 51.0 76.6

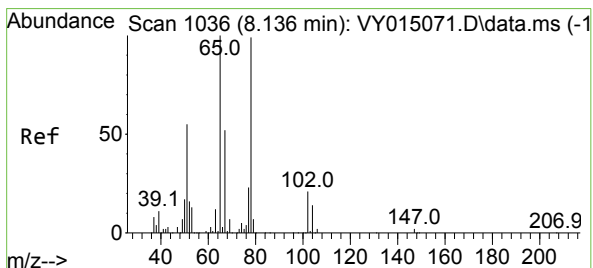
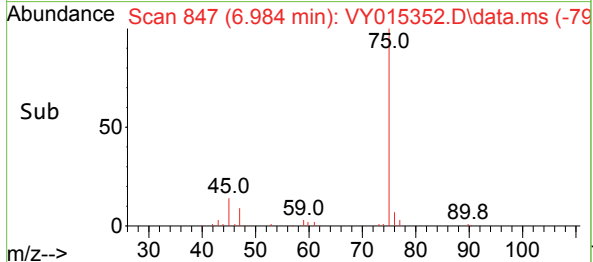
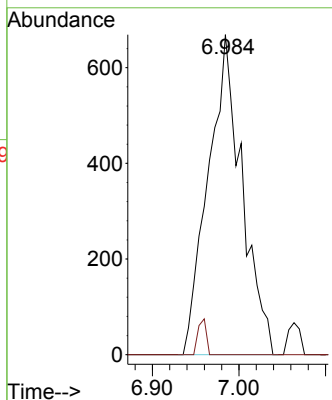
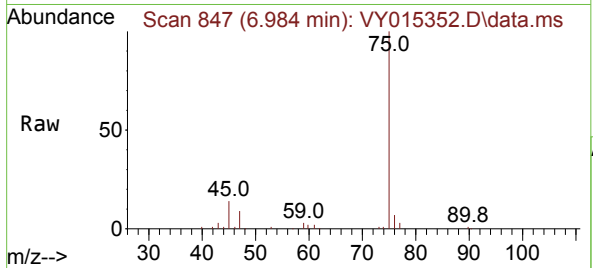




#25
2-Butanone
Concen: 1.442 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

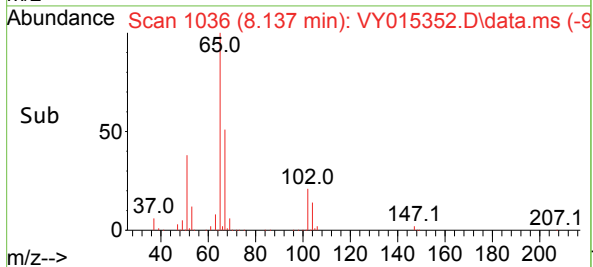
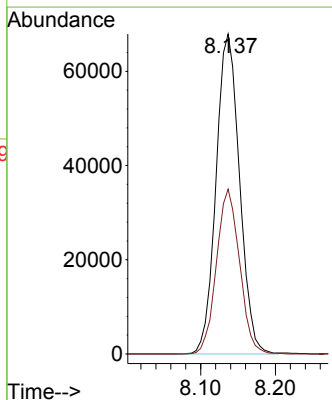
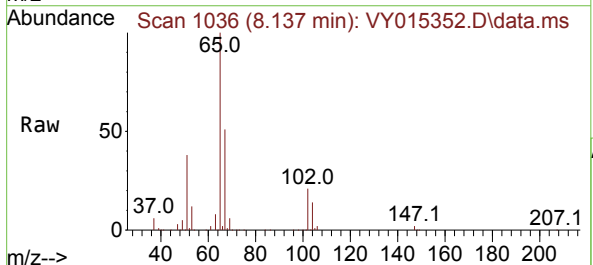
Instrument :
MSVOA_Y
ClientSampleId :

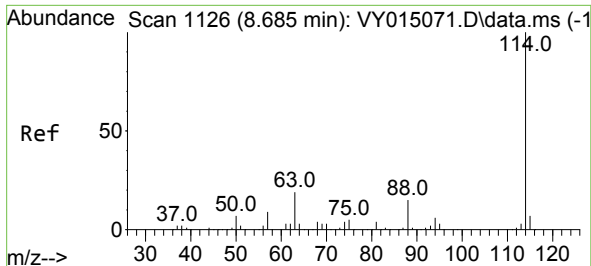
Tgt Ion: 43 Resp: 1809
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 54.831 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

Tgt Ion: 65 Resp: 148666
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8

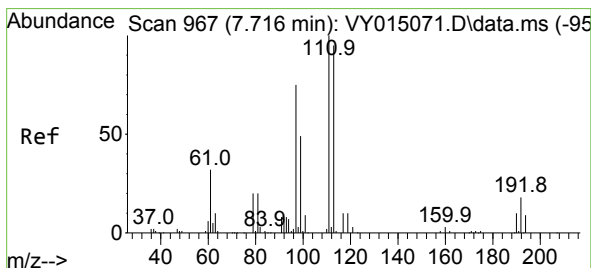
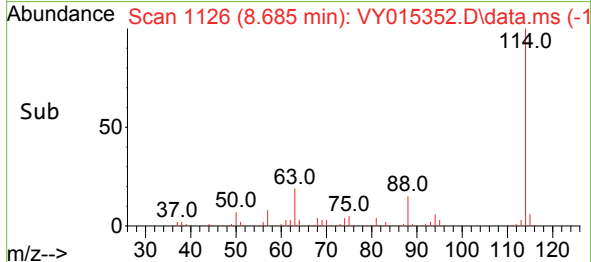
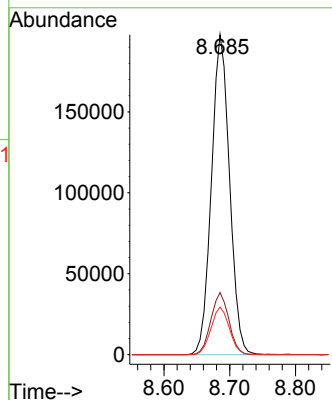
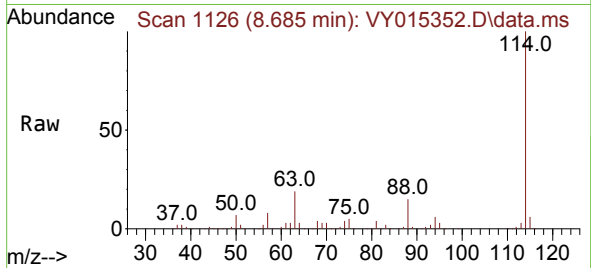




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

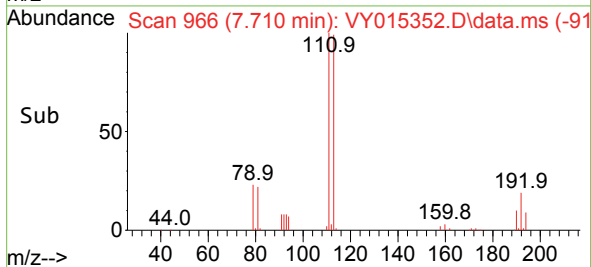
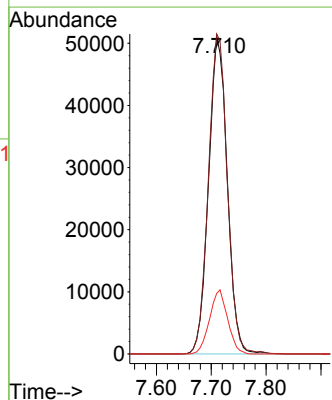
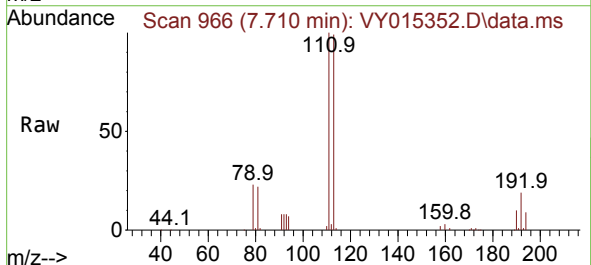
Instrument :
MSVOA_Y
ClientSampleId :

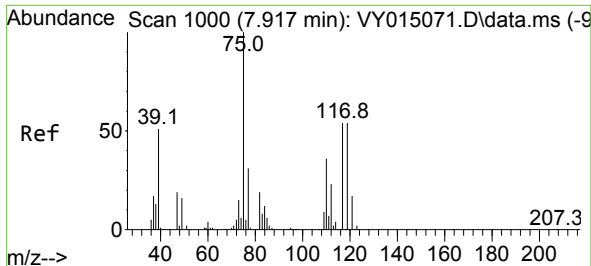
Tgt Ion:114 Resp: 379005
Ion Ratio Lower Upper
114 100
63 19.4 0.0 42.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.508 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

Tgt Ion:113 Resp: 120714
Ion Ratio Lower Upper
113 100
111 102.1 81.3 121.9
192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.551 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

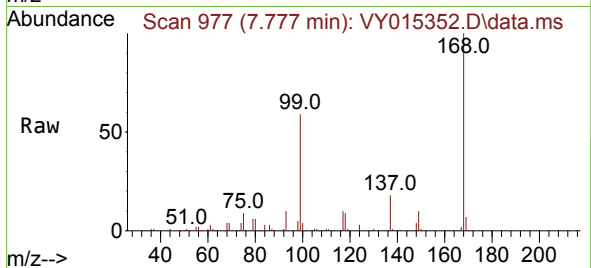
Lab File: VY015352.D

Acq: 25 Aug 2023 19:01

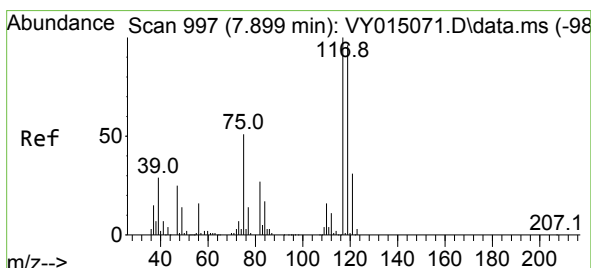
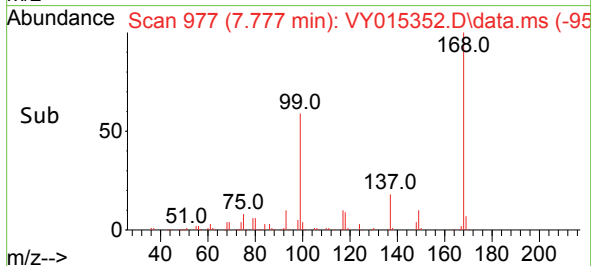
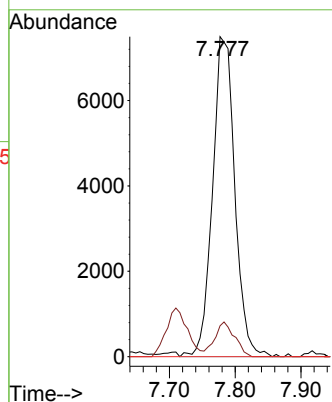
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	17670
Ion Ratio	Lower	Upper	
75	100		
110	9.6	17.8	53.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 7.053 ug/l

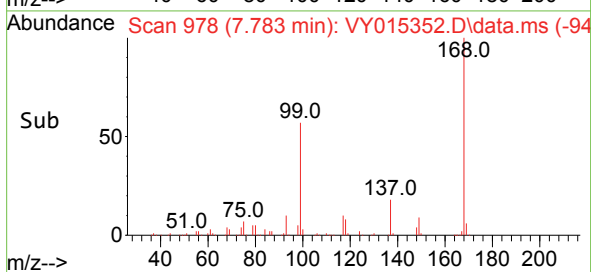
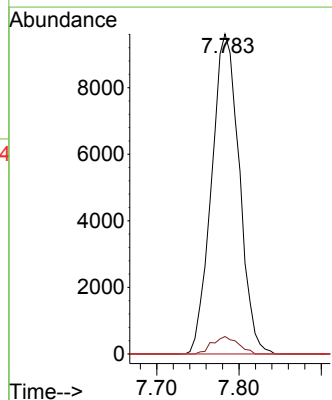
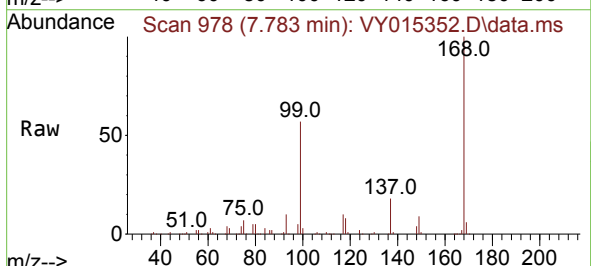
RT: 7.783 min Scan# 978

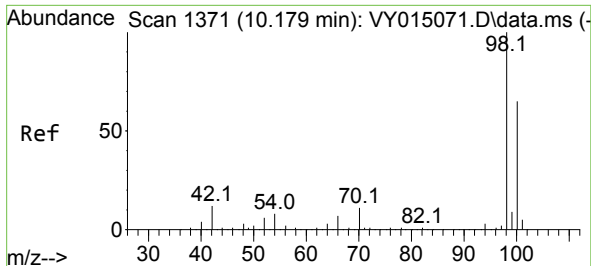
Delta R.T. -0.116 min

Lab File: VY015352.D

Acq: 25 Aug 2023 19:01

Tgt Ion:	117	Resp:	22518
Ion Ratio	Lower	Upper	
117	100		
119	5.5	76.4	114.6#
121	0.0	25.8	38.6#

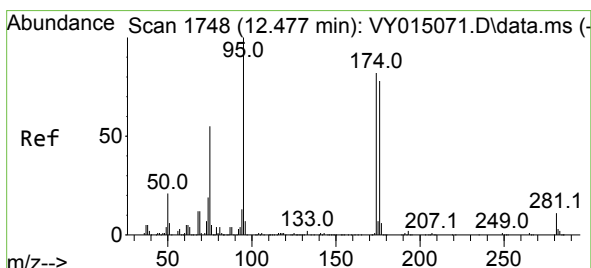
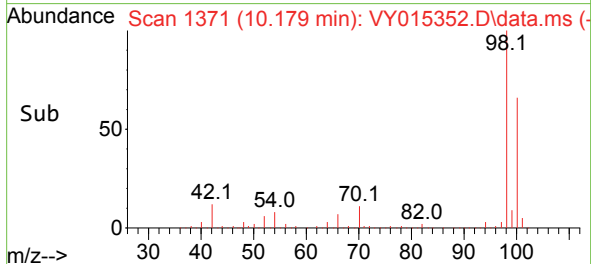
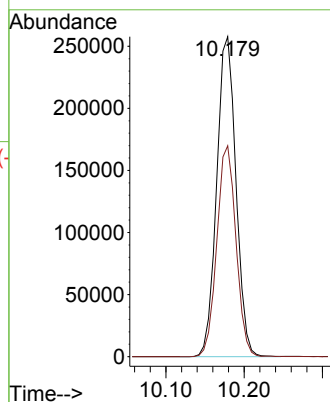
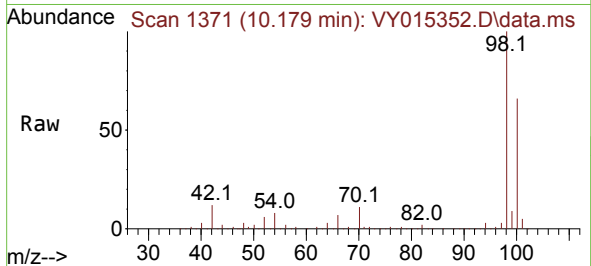




#50
Toluene-d8
Concen: 48.505 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

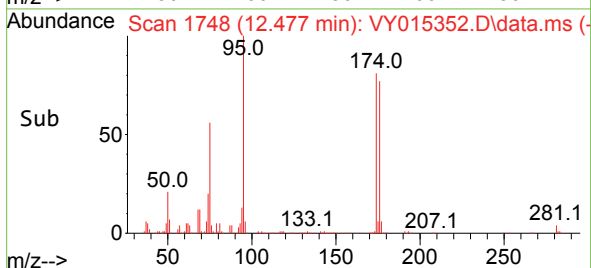
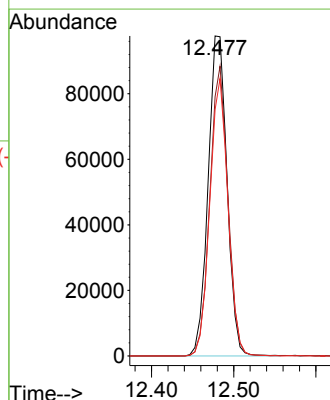
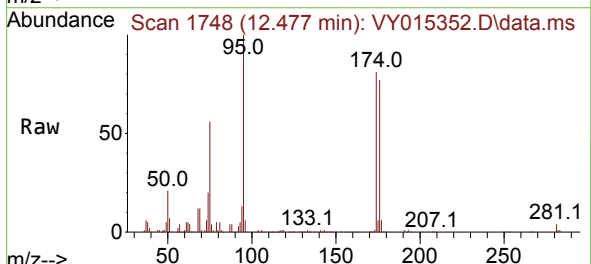
Instrument :
MSVOA_Y
ClientSampleId :

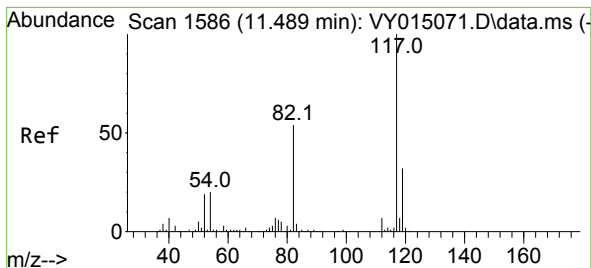
Tgt Ion: 98 Resp: 440260
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 46.996 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

Tgt Ion: 95 Resp: 155802
Ion Ratio Lower Upper
95 100
174 86.7 0.0 178.2
176 83.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

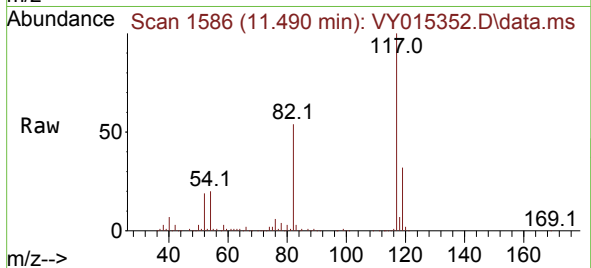
Lab File: VY015352.D

Acq: 25 Aug 2023 19:01

Instrument :

MSVOA_Y

ClientSampleId :



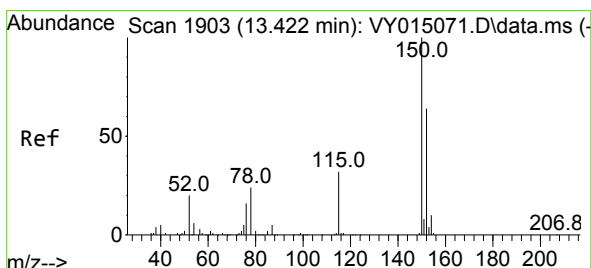
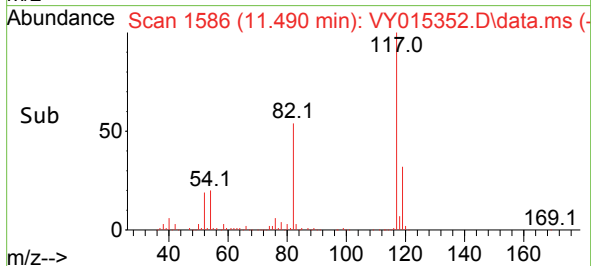
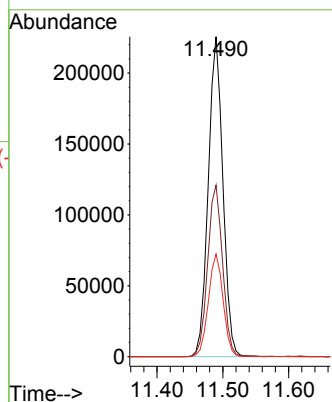
Tgt Ion:117 Resp: 349483

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015352.D

Acq: 25 Aug 2023 19:01

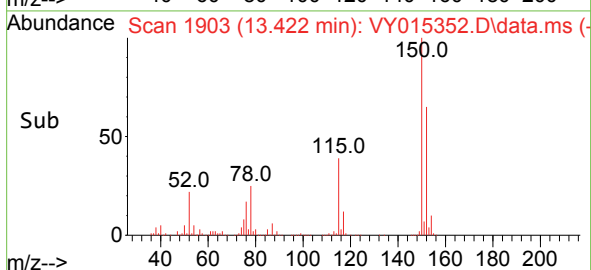
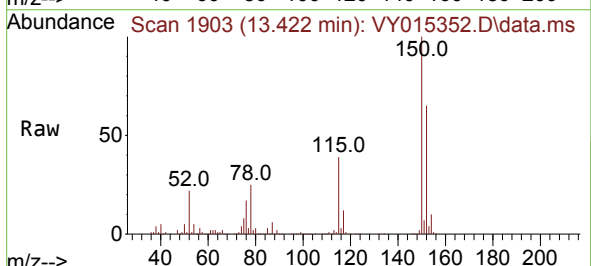
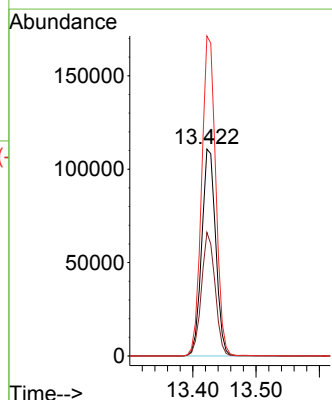
Tgt Ion:152 Resp: 170624

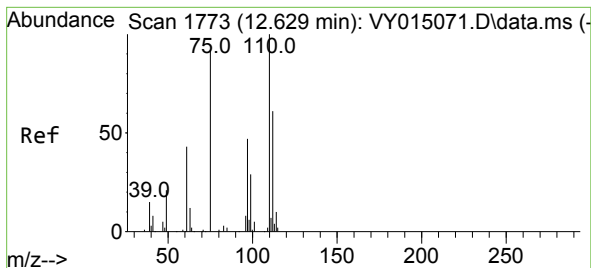
Ion Ratio Lower Upper

152 100

115 58.3 28.8 86.5

150 155.9 0.0 348.8

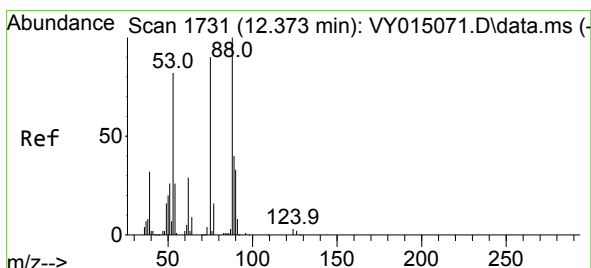
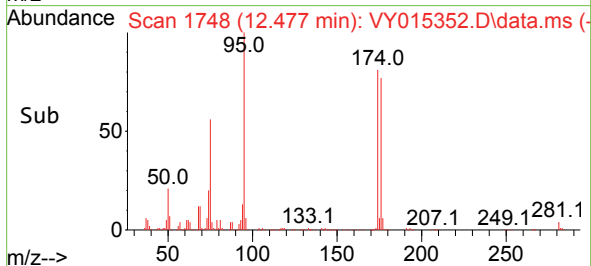
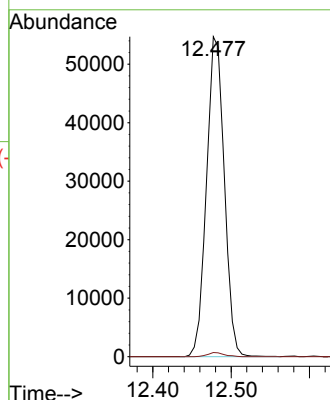
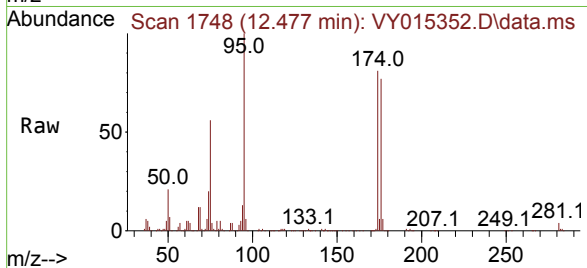




#76
1,2,3-Trichloropropane
Concen: 41.605 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 86245
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.384 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015352.D
Acq: 25 Aug 2023 19:01

Tgt Ion: 75 Resp: 86245
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#

