

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082123\
 Data File : VY015219.D
 Acq On : 21 Aug 2023 14:44
 Operator : SY/MD
 Sample : 04086-11
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:54:59 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)

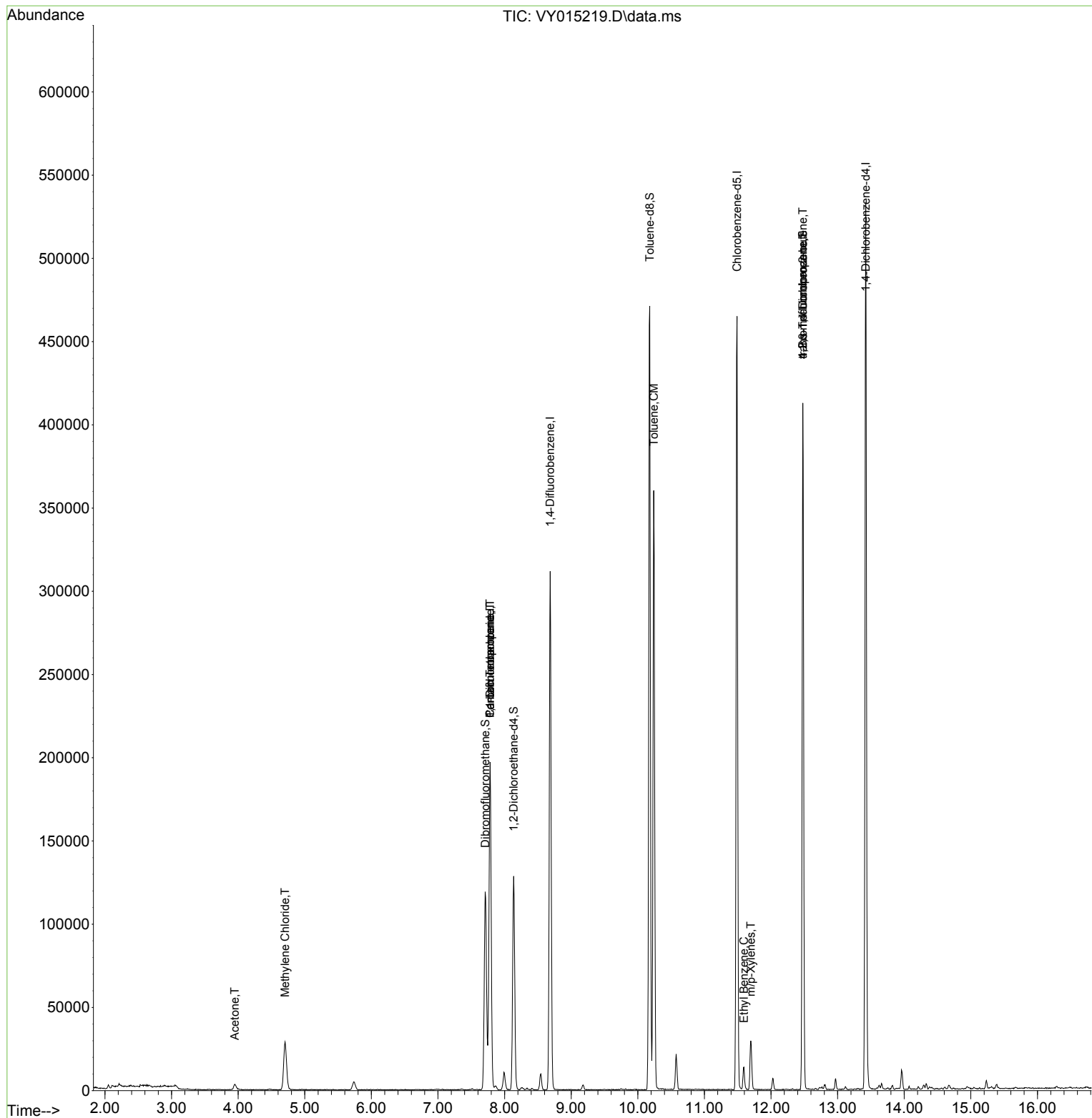
Internal Standards						
1) Pentafluorobenzene	7.783	168	150234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	265106	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	252725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	134707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100261	55.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.180%	
35) Dibromofluoromethane	7.709	113	84666	49.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.280%	
50) Toluene-d8	10.178	98	306796	48.323	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.640%	
62) 4-Bromofluorobenzene	12.477	95	123566	53.286	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	427	Below Cal	#	45
5) Bromomethane	2.649	94	150	Below Cal		85
11) Tert butyl alcohol	4.954	59	134	Below Cal	#	89
16) Acetone	3.948	43	6087	10.332	ug/l #	84
20) Methylene Chloride	4.704	84	22273	12.530	ug/l #	86
36) 1,1-Dichloropropene	7.783	75	11379	6.031	ug/l #	50
38) Carbon Tetrachloride	7.783	117	14679	6.573	ug/l #	17
52) Toluene	10.239	92	150514	40.031	ug/l	93
67) Ethyl Benzene	11.593	91	9753	1.209	ug/l	96
68) m/p-Xylenes	11.696	106	9135	2.981	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	65870	40.248	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65870	88.405	ug/l #	10

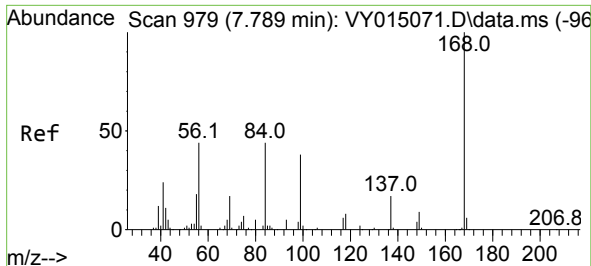
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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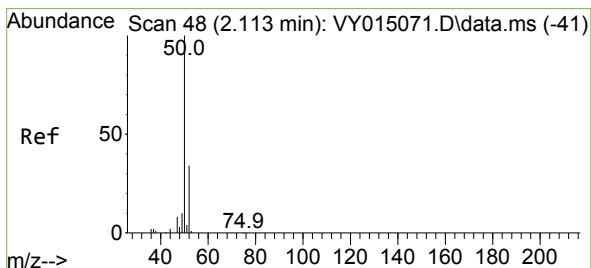
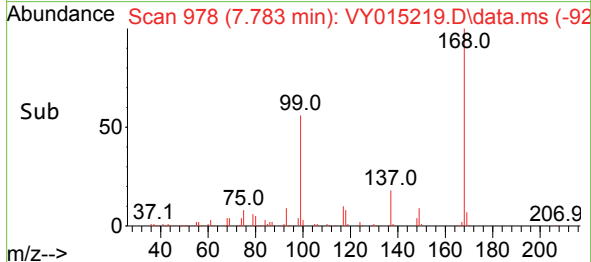
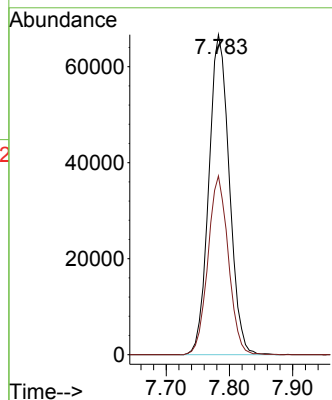
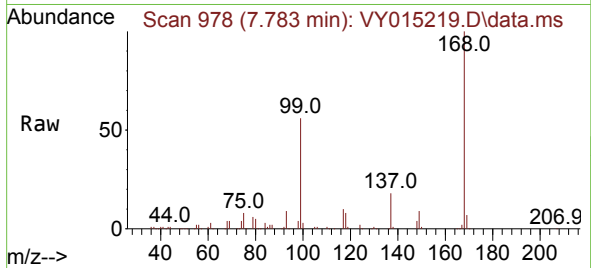




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

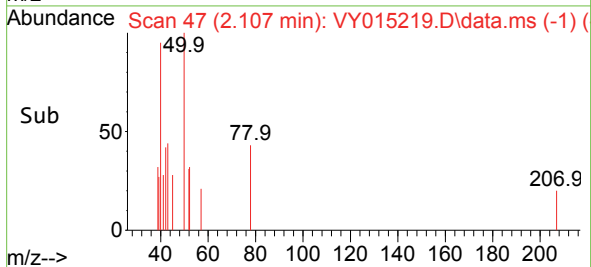
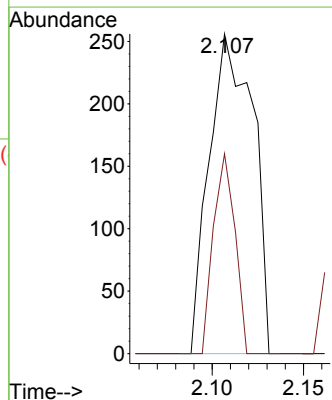
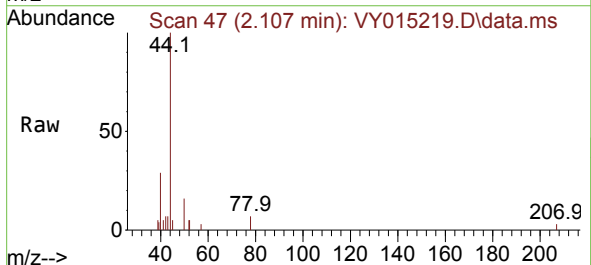
Instrument :
MSVOA_Y
ClientSampleId :

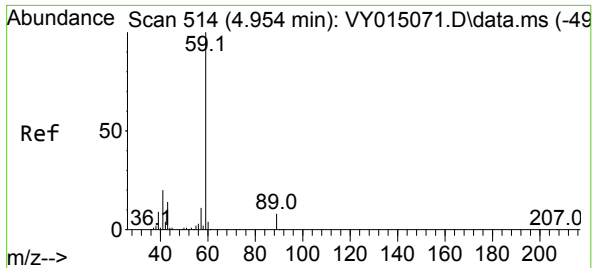
Tgt Ion:168 Resp: 150234
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

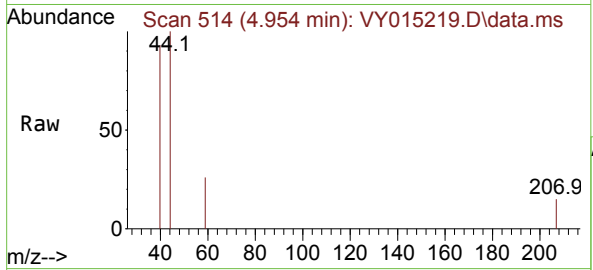
Tgt Ion: 50 Resp: 427
Ion Ratio Lower Upper
50 100
52 62.5 25.4 38.2#



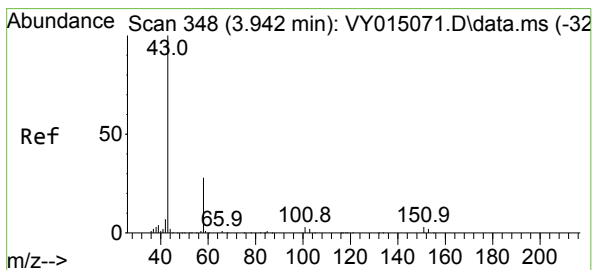
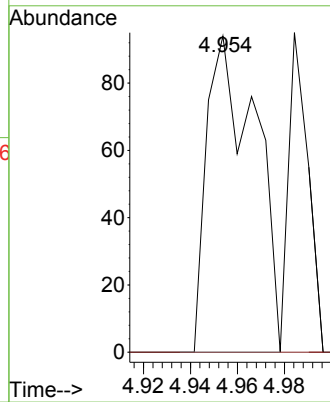
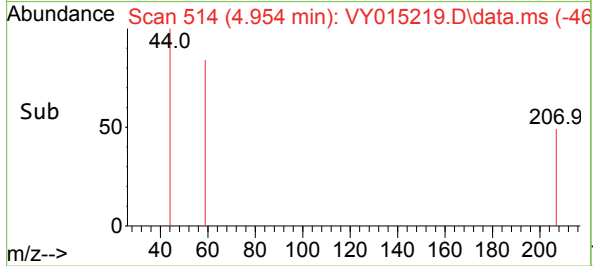


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :

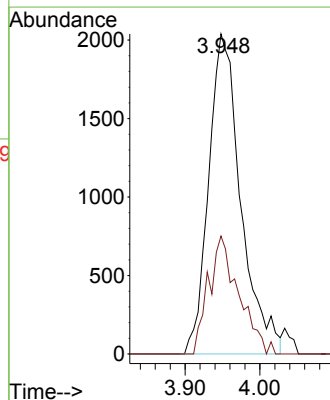
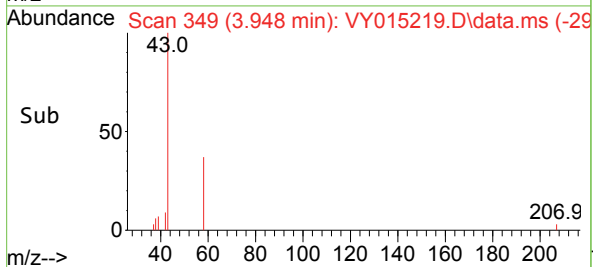
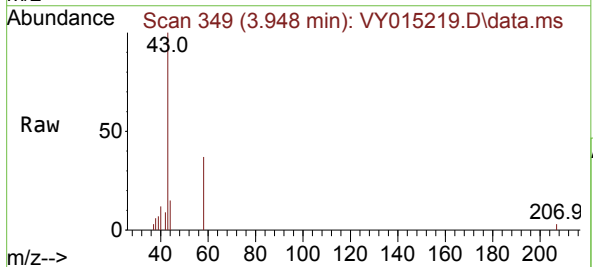


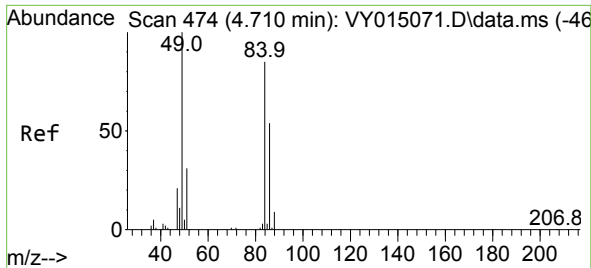
Tgt Ion: 59 Resp: 134
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 10.332 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

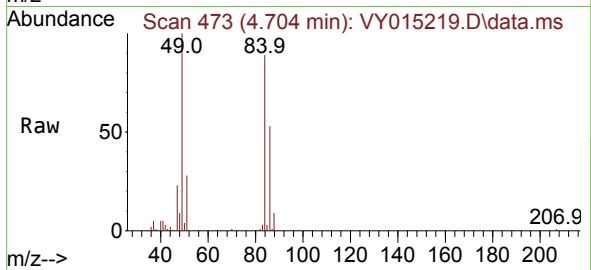
Tgt Ion: 43 Resp: 6087
Ion Ratio Lower Upper
43 100
58 36.9 22.7 34.1#



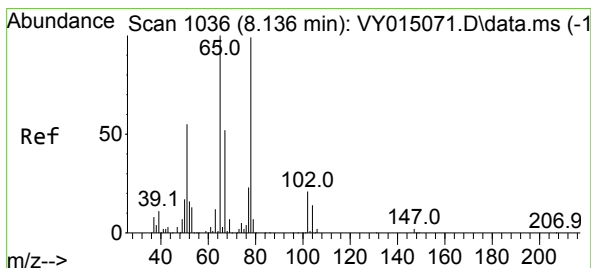
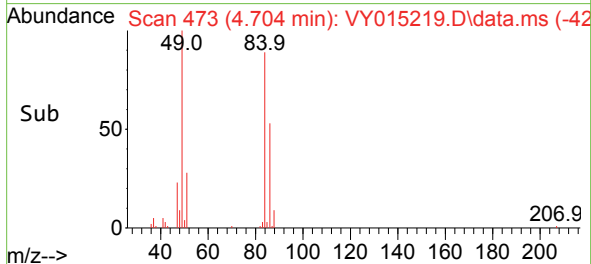
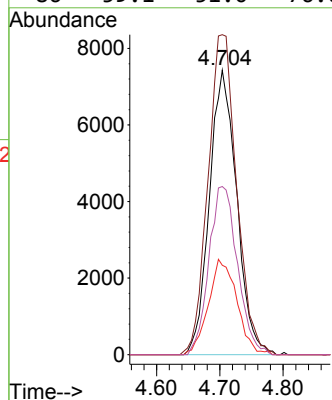


#20
Methylene Chloride
Concen: 12.530 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

Instrument :
MSVOA_Y
ClientSampleId :

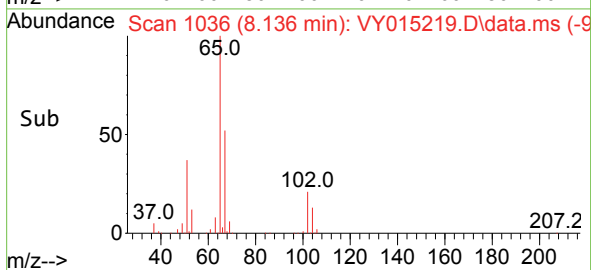
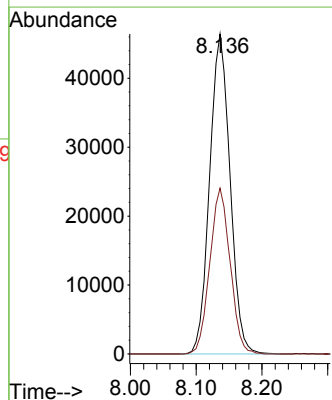
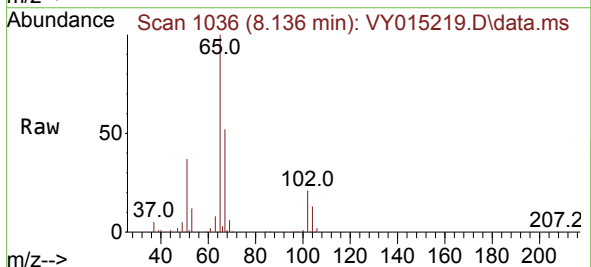


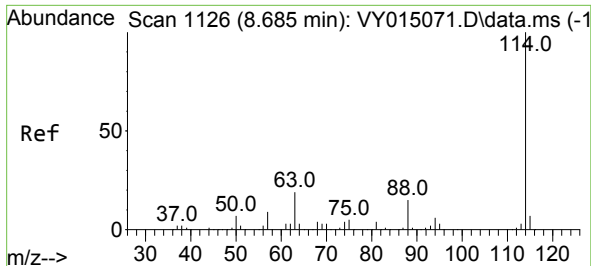
Tgt Ion: 84 Resp: 22273
Ion Ratio Lower Upper
84 100
49 112.5 106.9 160.3
51 31.5 33.2 49.8#
86 59.1 51.0 76.6



#33
1,2-Dichloroethane-d4
Concen: 55.595 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

Tgt Ion: 65 Resp: 100261
Ion Ratio Lower Upper
65 100
67 51.6 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: VY015219.D

Acq: 21 Aug 2023 14:44

Instrument :

MSVOA_Y

ClientSampleId :

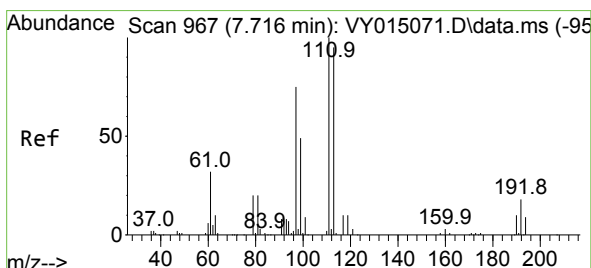
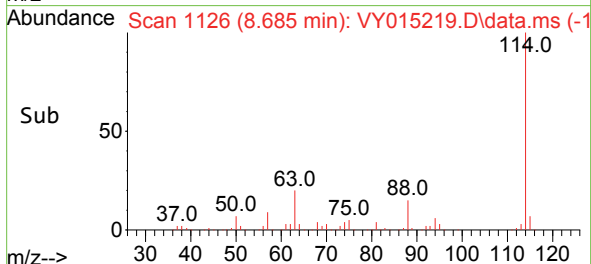
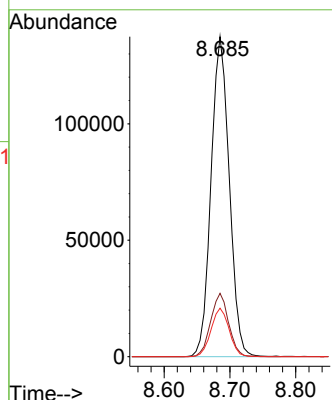
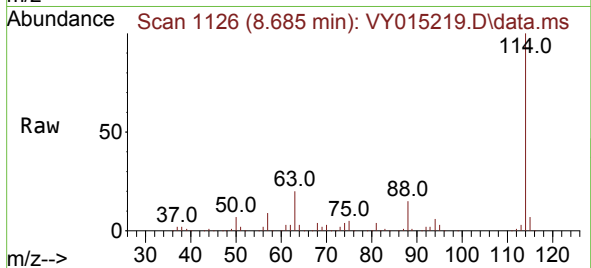
Tgt Ion:114 Resp: 265106

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.642 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015219.D

Acq: 21 Aug 2023 14:44

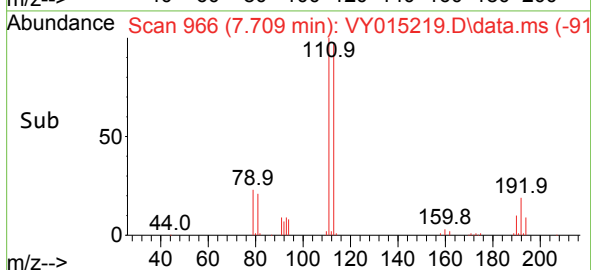
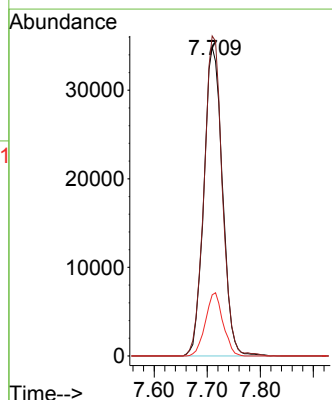
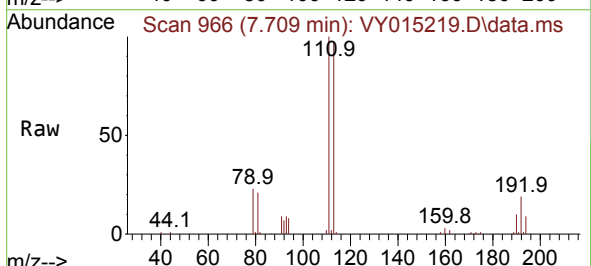
Tgt Ion:113 Resp: 84666

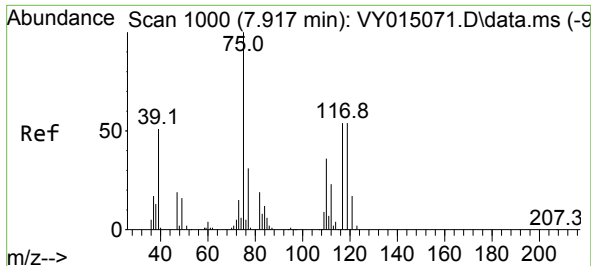
Ion Ratio Lower Upper

113 100

111 101.9 81.3 121.9

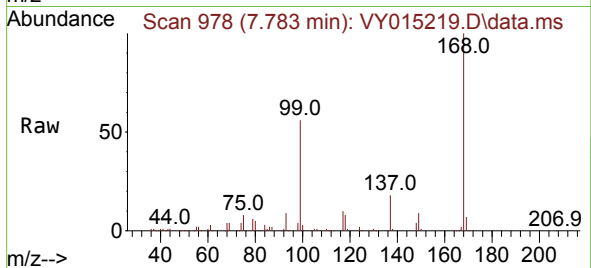
192 19.4 16.9 25.3



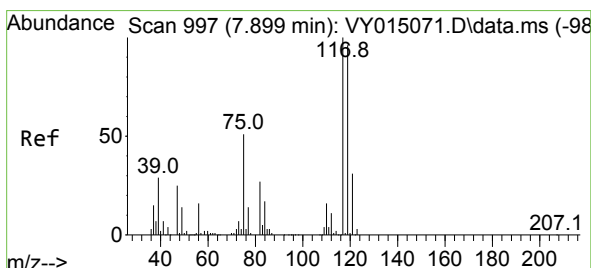
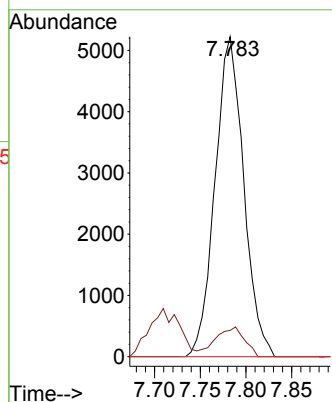
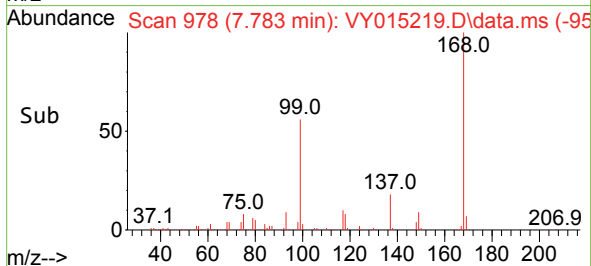


#36
1,1-Dichloropropene
Concen: 6.031 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

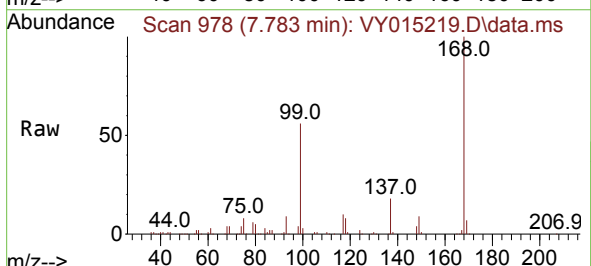
Instrument :
MSVOA_Y
ClientSampleId :



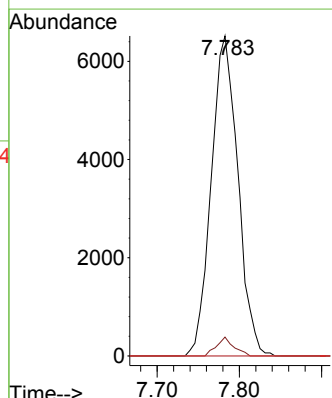
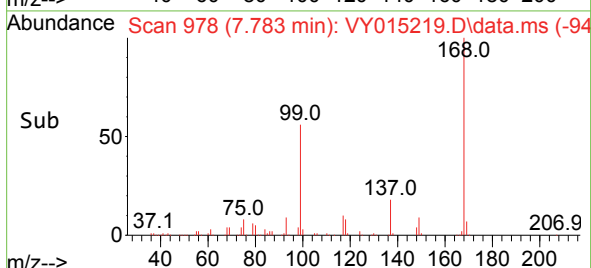
Tgt Ion: 75 Resp: 11379
Ion Ratio Lower Upper
75 100
110 9.4 17.8 53.5#
77 0.0 24.4 36.6#

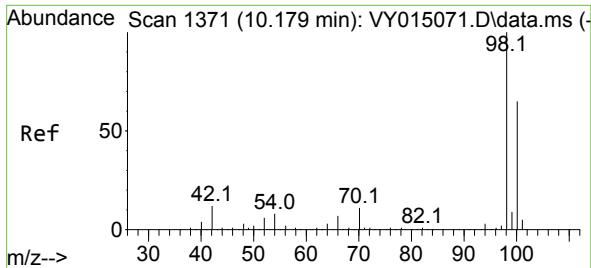


#38
Carbon Tetrachloride
Concen: 6.573 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44



Tgt Ion: 117 Resp: 14679
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 25.8 38.6#

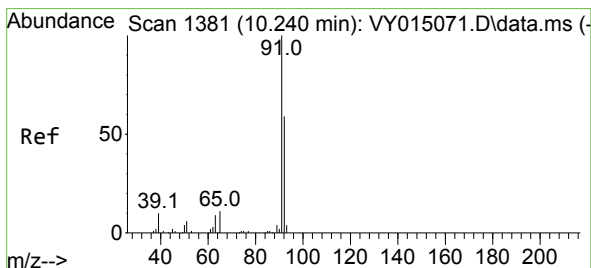
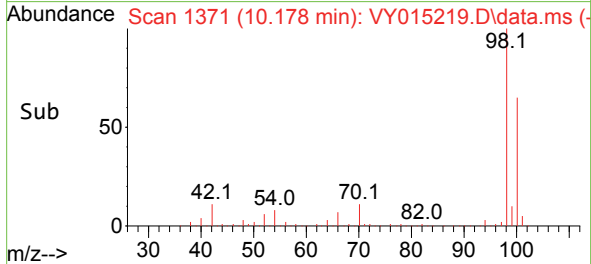
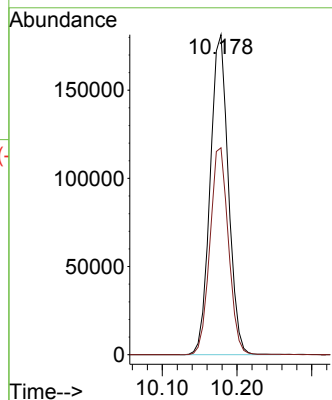
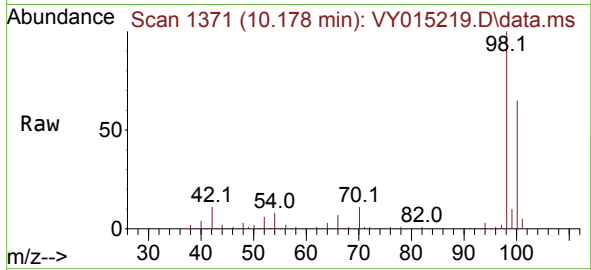




#50
Toluene-d8
Concen: 48.323 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

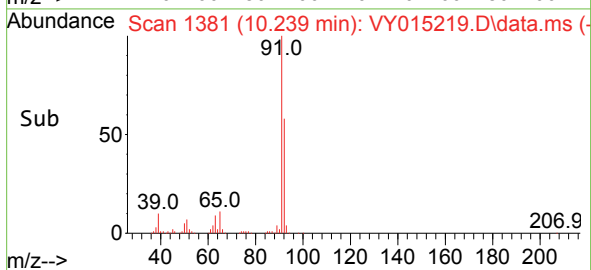
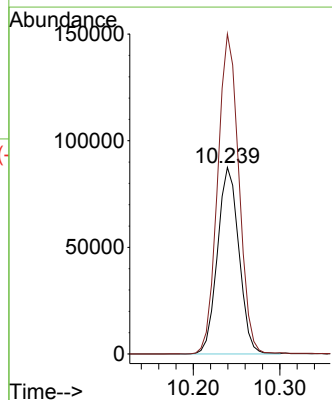
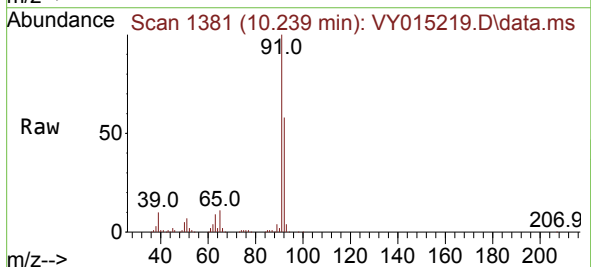
Instrument :
MSVOA_Y
ClientSampleId :

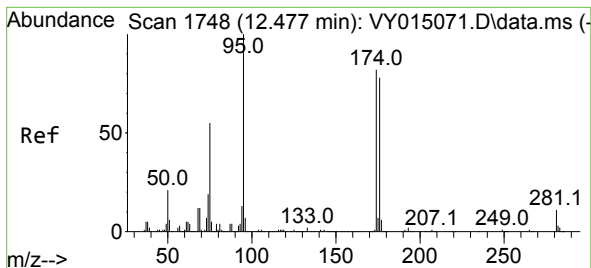
Tgt Ion: 98 Resp: 306796
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#52
Toluene
Concen: 40.031 ug/l
RT: 10.239 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

Tgt Ion: 92 Resp: 150514
Ion Ratio Lower Upper
92 100
91 170.0 143.8 215.6

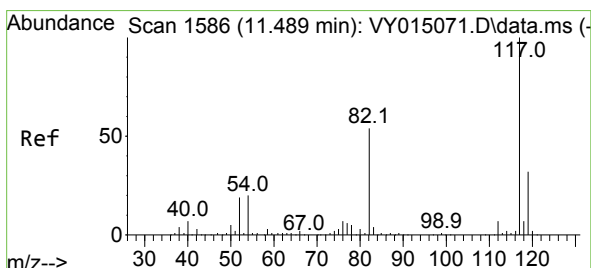
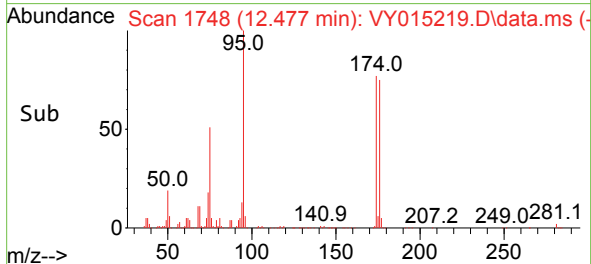
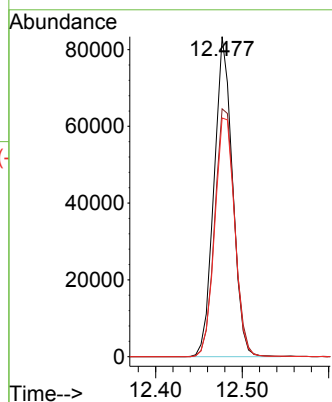
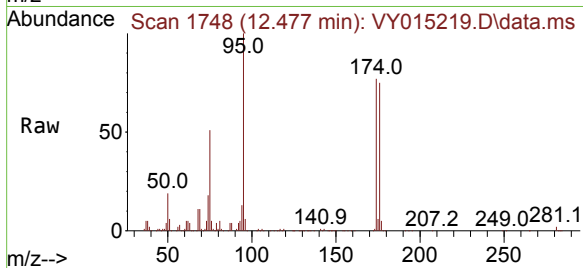




#62
4-Bromofluorobenzene
Concen: 53.286 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

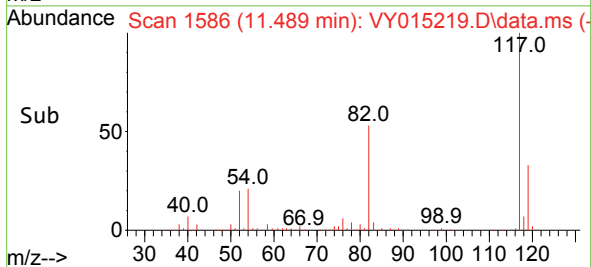
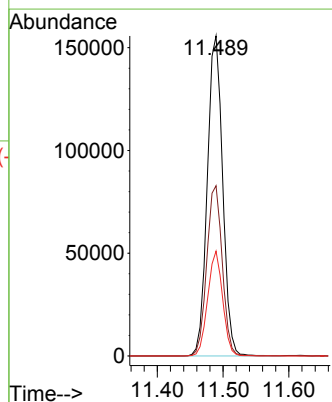
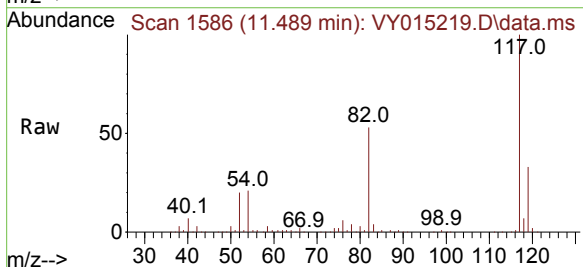
Instrument :
MSVOA_Y
ClientSampleId :

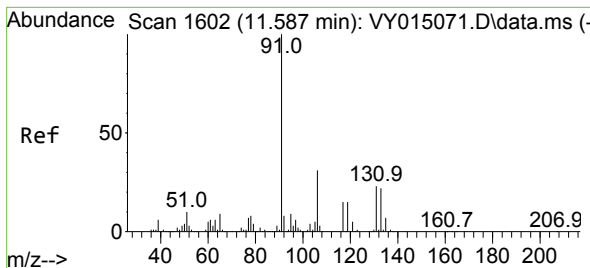
Tgt Ion: 95 Resp: 123566
Ion Ratio Lower Upper
95 100
174 83.6 0.0 178.2
176 80.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015219.D
Acq: 21 Aug 2023 14:44

Tgt Ion: 117 Resp: 252725
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.7 26.3 39.5





#67

Ethyl Benzene

Concen: 1.209 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015219.D

Acq: 21 Aug 2023 14:44

Instrument :

MSVOA_Y

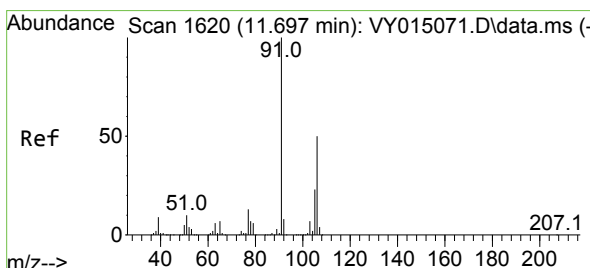
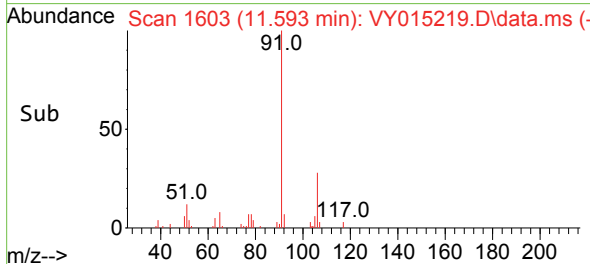
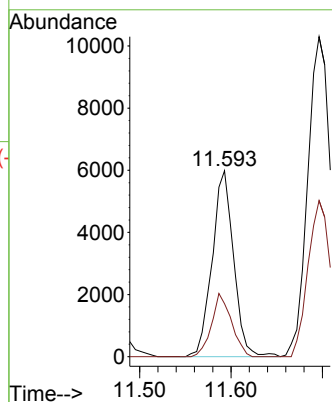
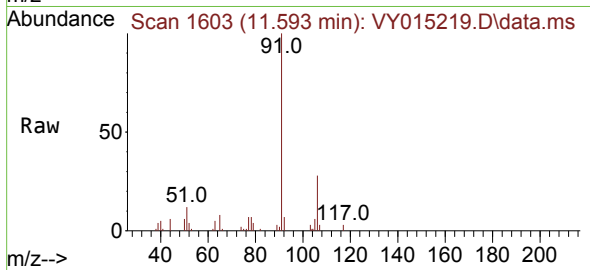
ClientSampleId :

Tgt Ion: 91 Resp: 9753

Ion Ratio Lower Upper

91 100

106 28.4 24.6 36.8



#68

m/p-Xylenes

Concen: 2.981 ug/l

RT: 11.696 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY015219.D

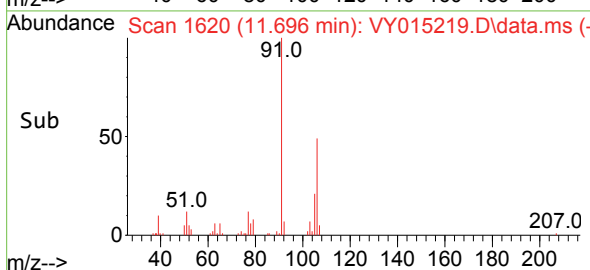
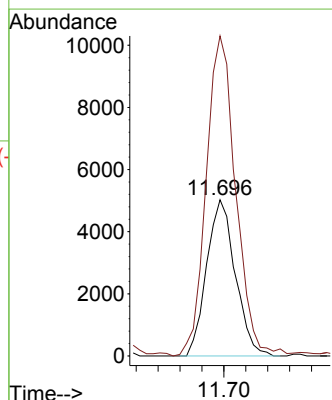
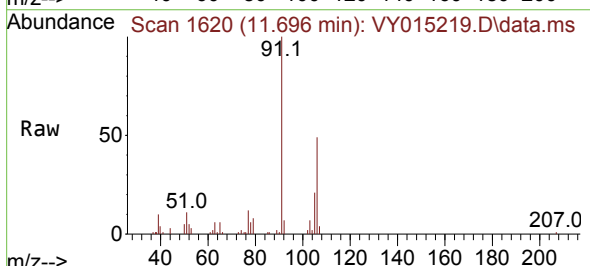
Acq: 21 Aug 2023 14:44

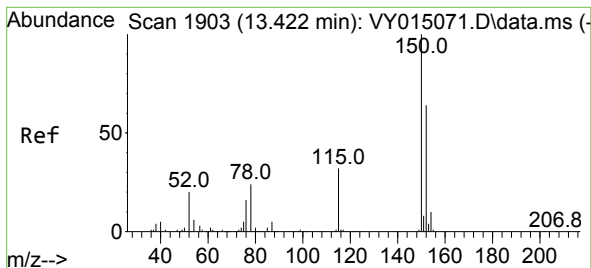
Tgt Ion:106 Resp: 9135

Ion Ratio Lower Upper

106 100

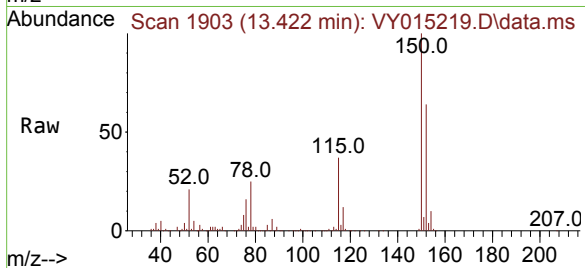
91 211.3 166.1 249.1



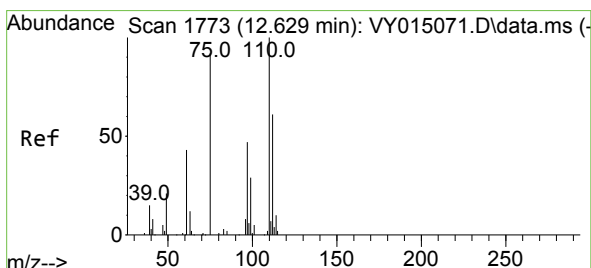
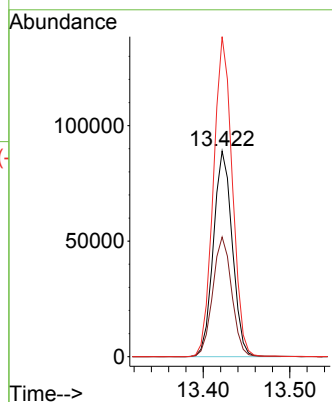
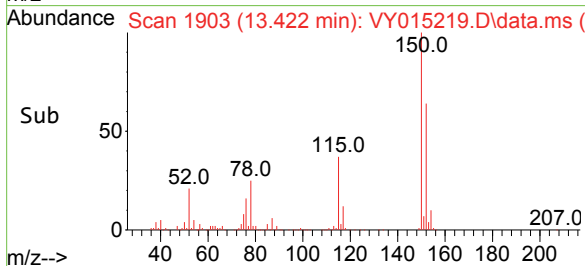


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015219.D
 Acq: 21 Aug 2023 14:44

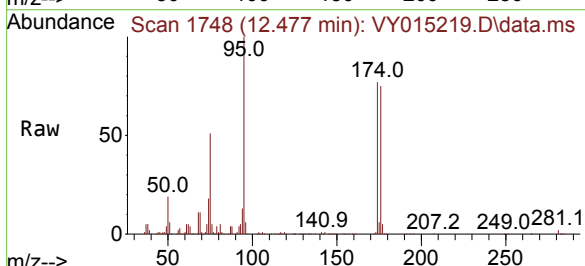
Instrument :
 MSVOA_Y
 ClientSampleId :



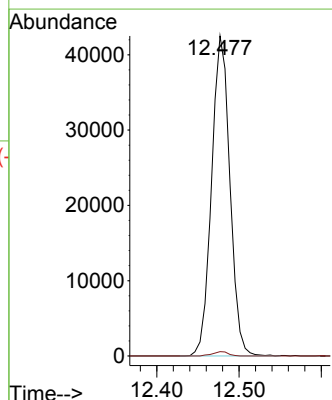
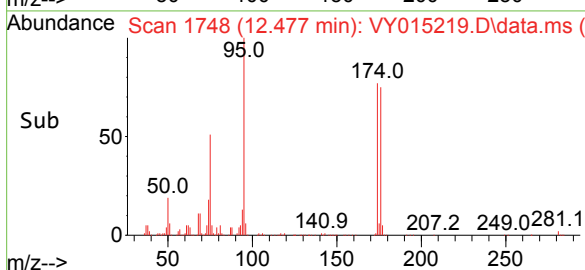
Tgt Ion:152 Resp: 134707
 Ion Ratio Lower Upper
 152 100
 115 58.7 28.8 86.5
 150 156.2 0.0 348.8

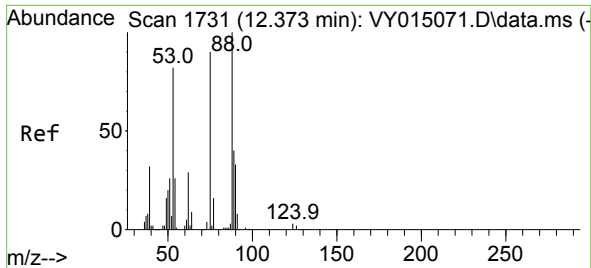


#76
 1,2,3-Trichloropropane
 Concen: 40.248 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY015219.D
 Acq: 21 Aug 2023 14:44



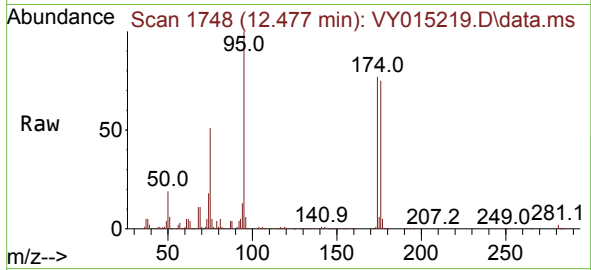
Tgt Ion: 75 Resp: 65870
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.405 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015219.D
 Acq: 21 Aug 2023 14:44

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 65870
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

