

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081623\
 Data File : VY015155.D
 Acq On : 16 Aug 2023 17:16
 Operator : SY/MD
 Sample : 04022-07
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 05:31:43 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)

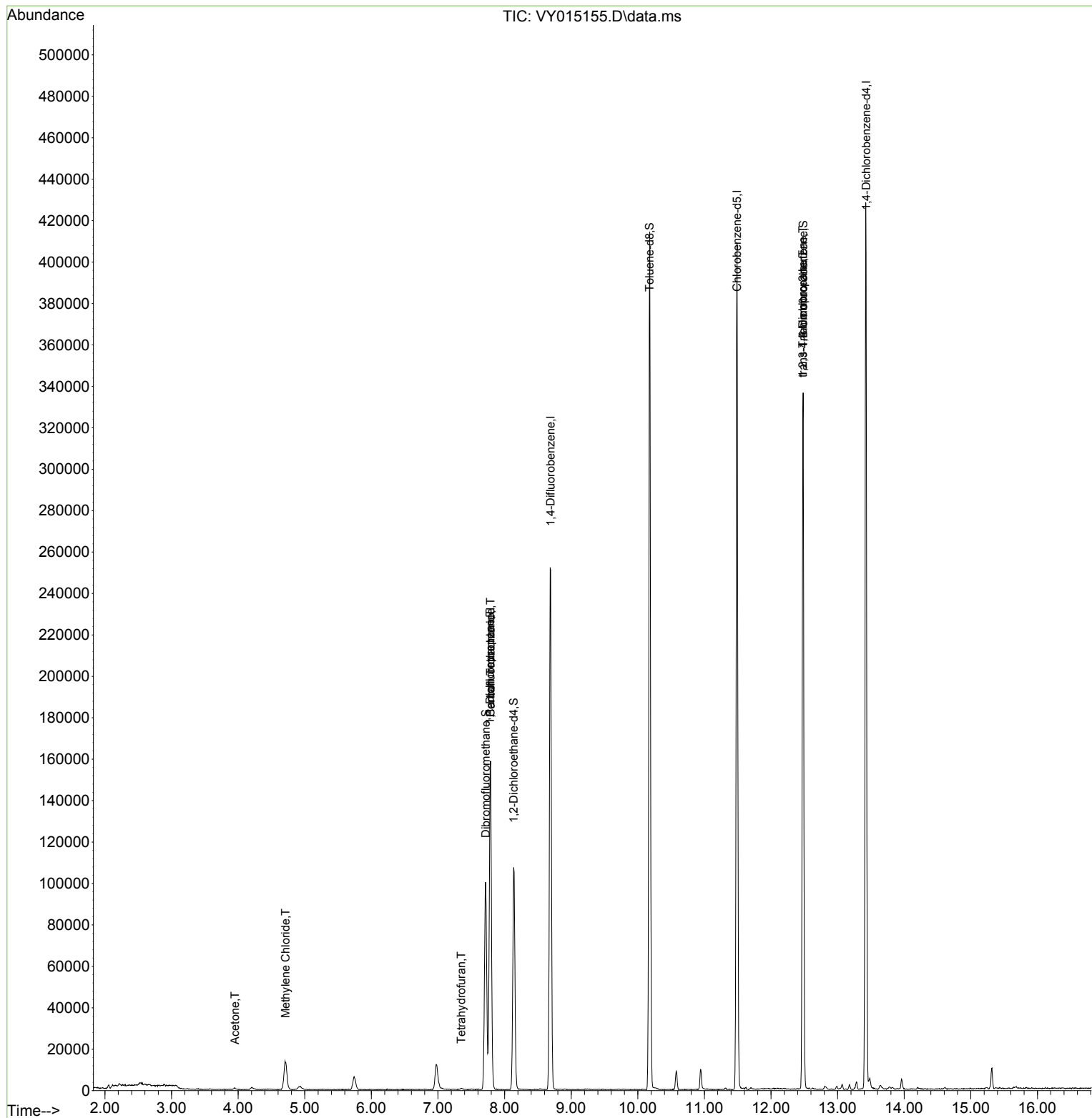
Internal Standards						
1) Pentafluorobenzene	7.789	168	123616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	217675	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	217435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84745	57.110	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.220%			
35) Dibromofluoromethane	7.716	113	69136	49.370	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.740%			
50) Toluene-d8	10.179	98	263232	50.495	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.000%			
62) 4-Bromofluorobenzene	12.483	95	98722	51.849	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	68	Below Cal	#	43
3) Chloromethane	2.107	50	290	Below Cal	#	43
5) Bromomethane	2.650	94	183	Below Cal	#	80
11) Tert butyl alcohol	4.936	59	1945	Below Cal	#	89
16) Acetone	3.954	43	1255	2.589	ug/l #	82
20) Methylene Chloride	4.710	84	10751	5.396	ug/l #	85
29) Tetrahydrofuran	7.350	42	422	1.028	ug/l #	40
31) Cyclohexane	7.783	56	2580	Below Cal	#	4
36) 1,1-Dichloropropene	7.783	75	9685	6.251	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12147	6.625	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	53907	40.216	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53907	88.334	ug/l #	11

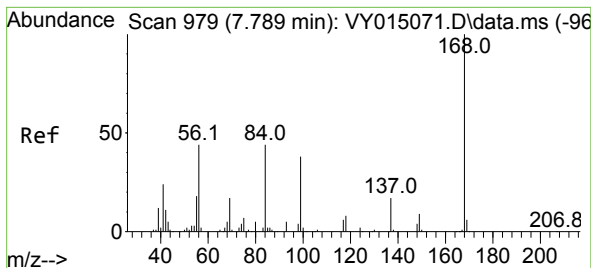
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015155.D

Acq: 16 Aug 2023 17:16

Instrument :

MSVOA_Y

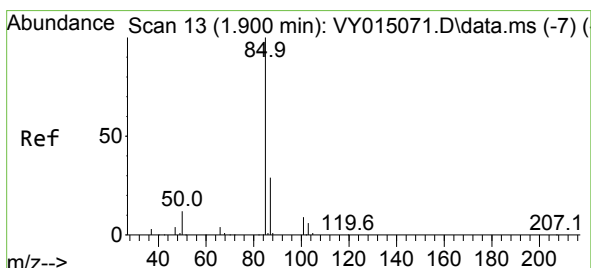
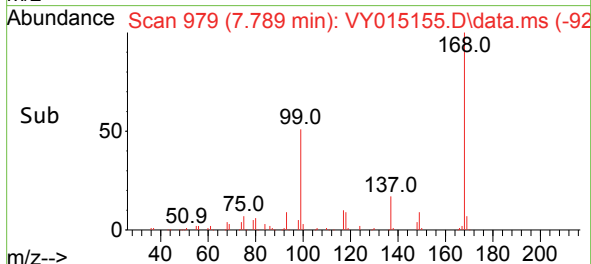
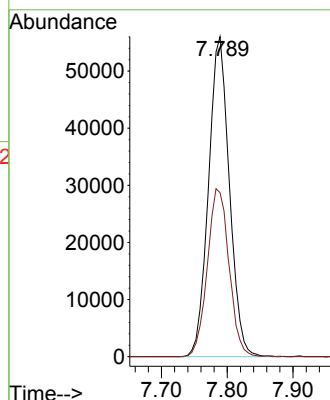
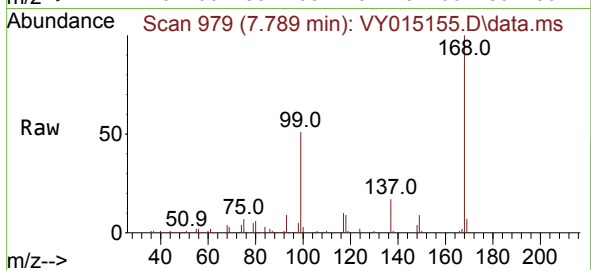
ClientSampleId :

Tgt Ion:168 Resp: 123616

Ion Ratio Lower Upper

168 100

99 51.2 43.4 65.0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.912 min Scan# 15

Delta R.T. 0.012 min

Lab File: VY015155.D

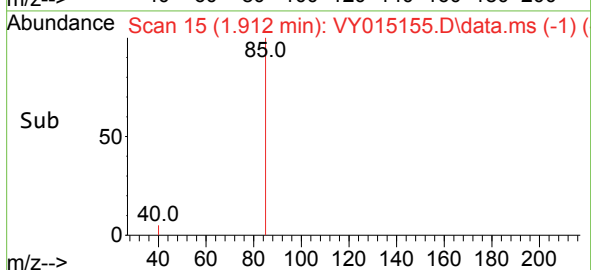
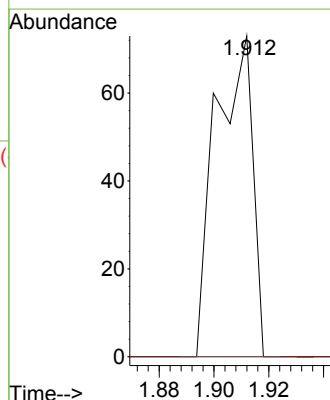
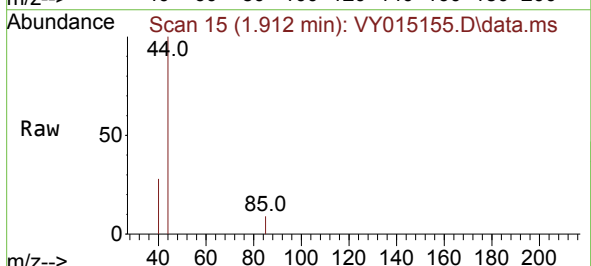
Acq: 16 Aug 2023 17:16

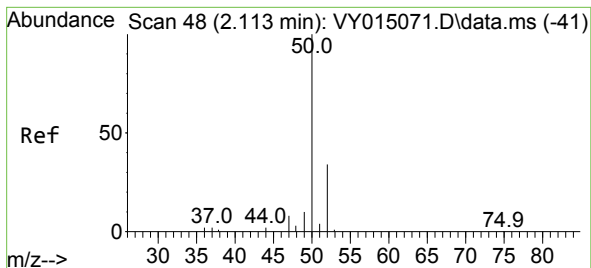
Tgt Ion: 85 Resp: 68

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: VY015155.D

Acq: 16 Aug 2023 17:16

Instrument :

MSVOA_Y

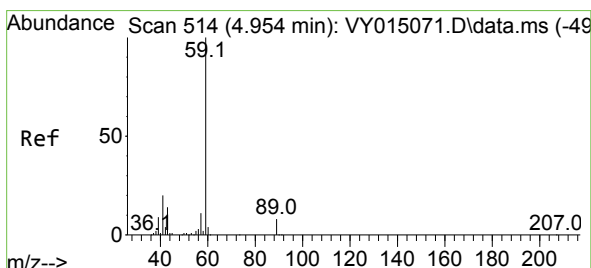
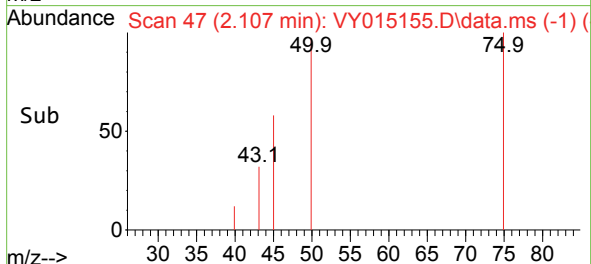
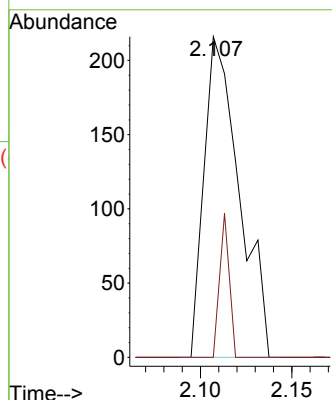
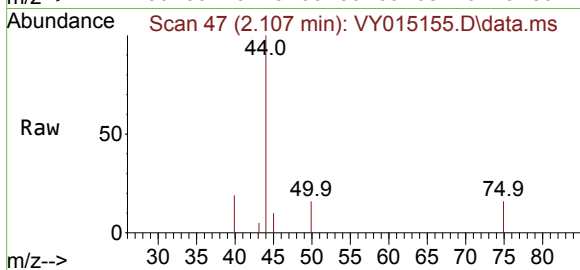
ClientSampleId :

Tgt Ion: 50 Resp: 290

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY015155.D

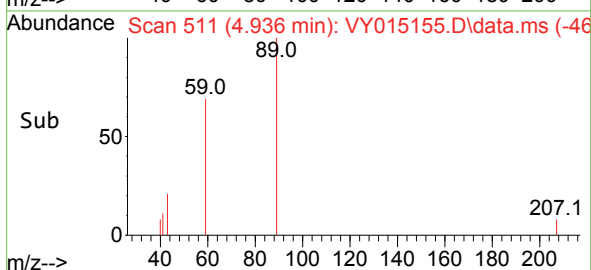
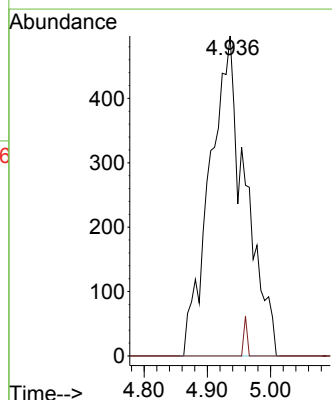
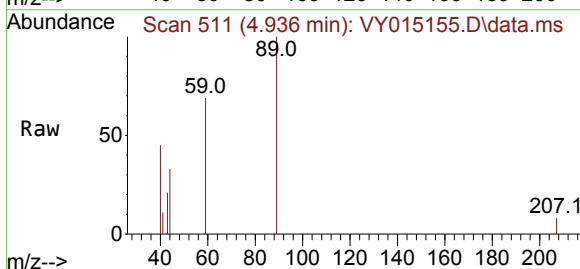
Acq: 16 Aug 2023 17:16

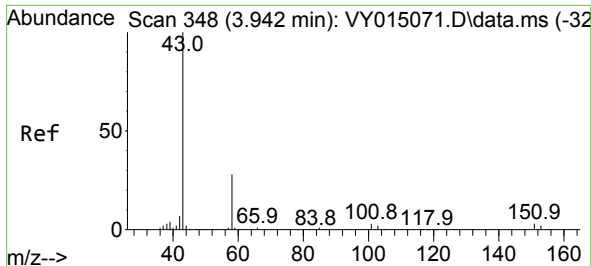
Tgt Ion: 59 Resp: 1945

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#

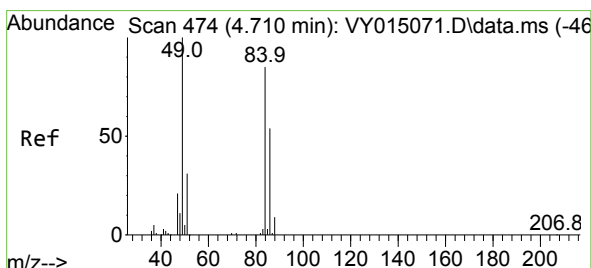
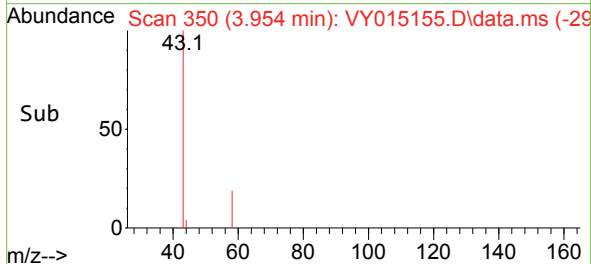
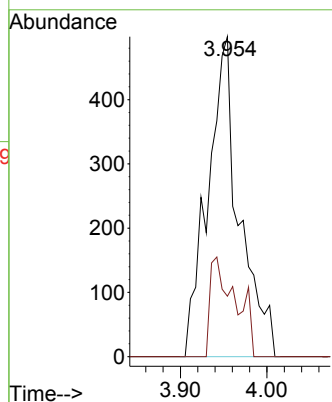
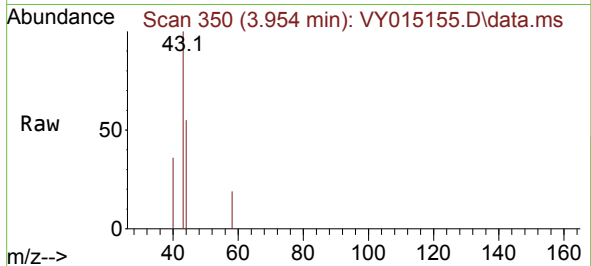




#16
Acetone
Concen: 2.589 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

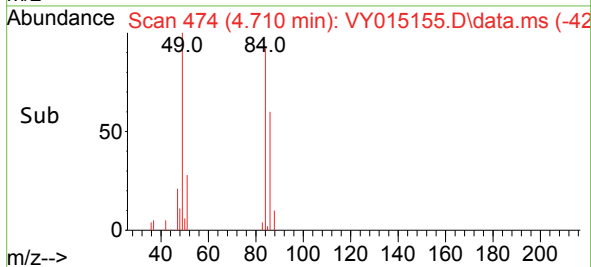
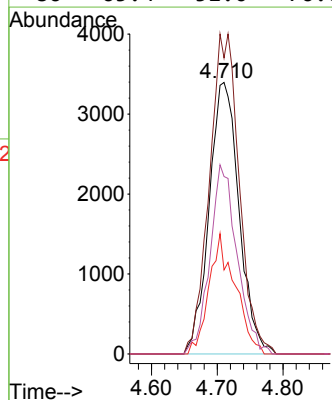
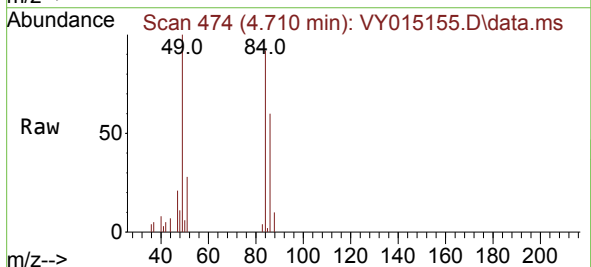
Instrument :
MSVOA_Y
ClientSampleId :

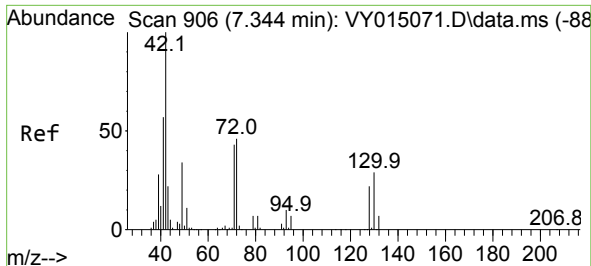
Tgt Ion: 43 Resp: 1255
Ion Ratio Lower Upper
43 100
58 18.9 22.7 34.1#



#20
Methylene Chloride
Concen: 5.396 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

Tgt Ion: 84 Resp: 10751
Ion Ratio Lower Upper
84 100
49 109.0 106.9 160.3
51 31.0 33.2 49.8#
86 65.4 51.0 76.6





#29

Tetrahydrofuran

Concen: 1.028 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

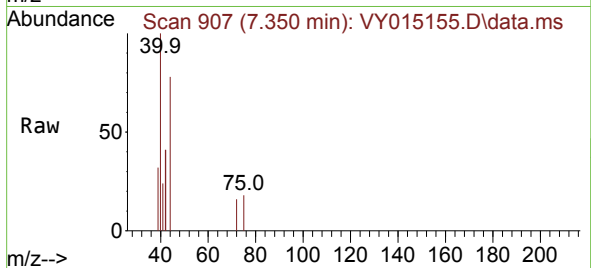
Lab File: VY015155.D

Acq: 16 Aug 2023 17:16

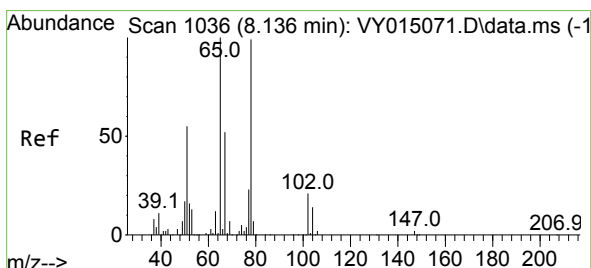
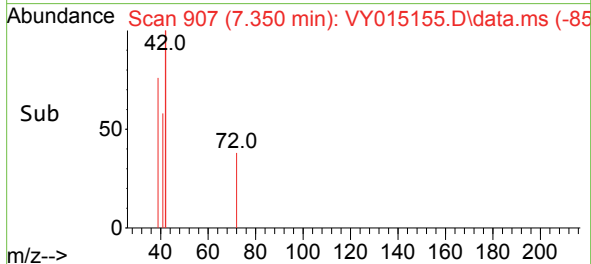
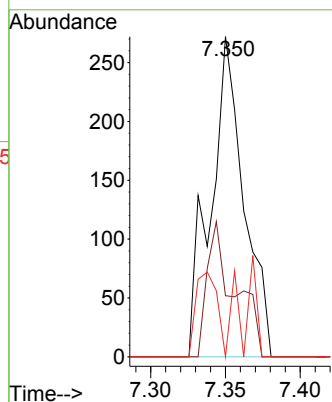
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	422
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	6.4	31.0	46.4#



#33

1,2-Dichloroethane-d4

Concen: 57.110 ug/l

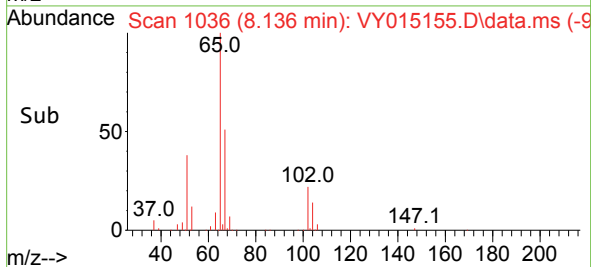
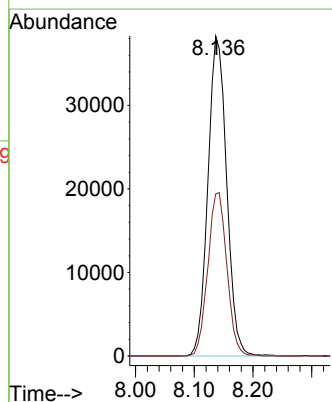
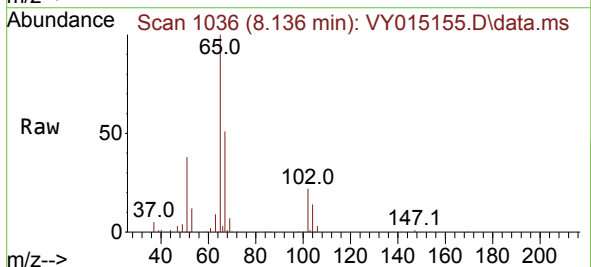
RT: 8.136 min Scan# 1036

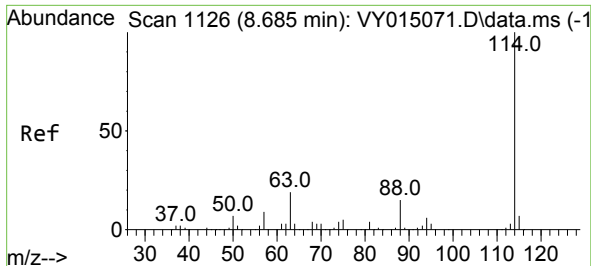
Delta R.T. 0.000 min

Lab File: VY015155.D

Acq: 16 Aug 2023 17:16

Tgt Ion:	65	Resp:	84745
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	101.8

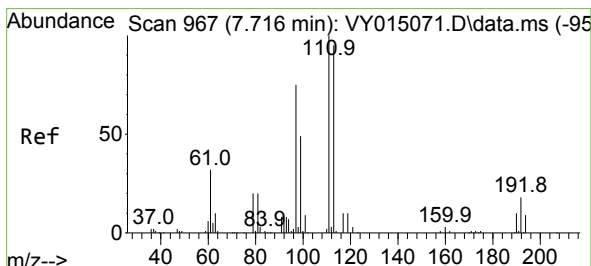
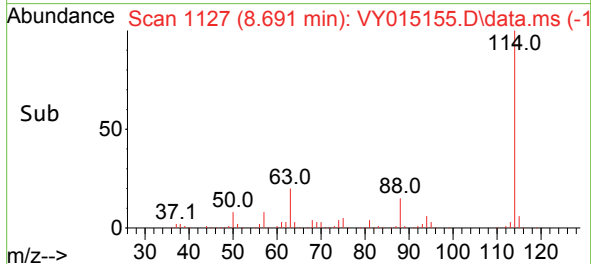
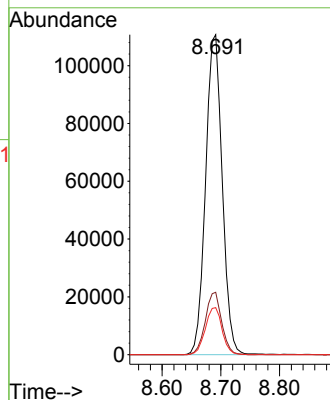
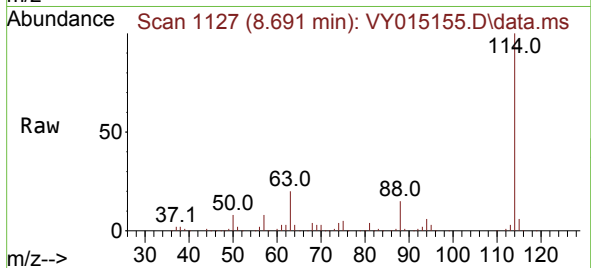




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

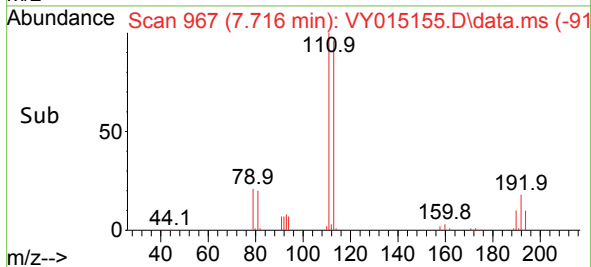
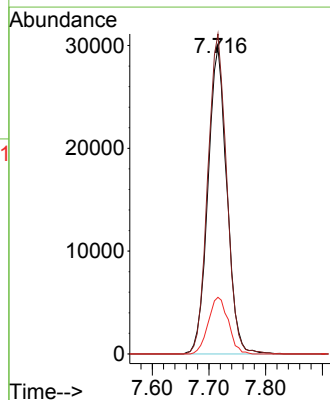
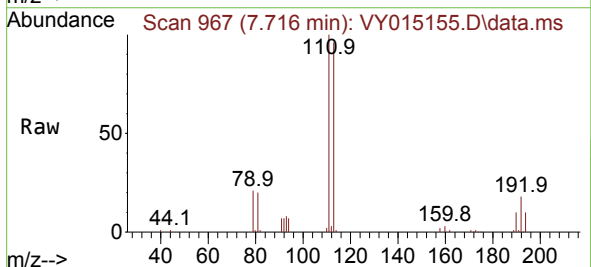
Instrument :
MSVOA_Y
ClientSampleId :

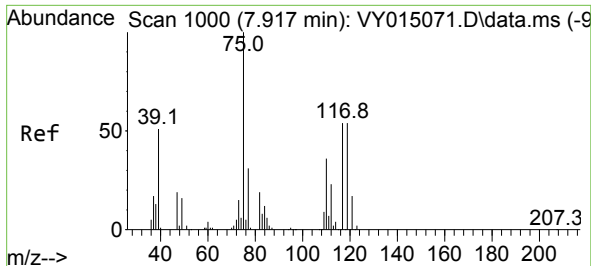
Tgt Ion:114 Resp: 217675
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 14.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.370 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

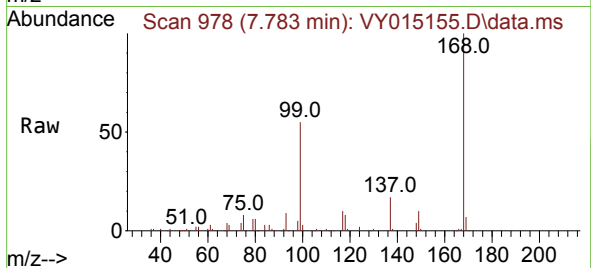
Tgt Ion:113 Resp: 69136
Ion Ratio Lower Upper
113 100
111 104.2 81.3 121.9
192 19.5 16.9 25.3



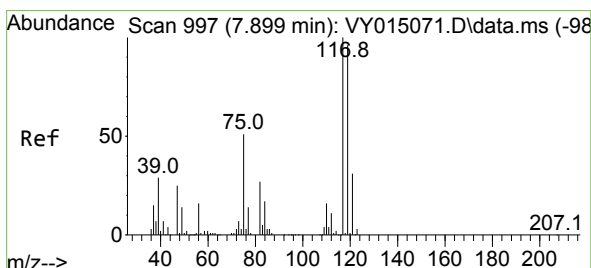
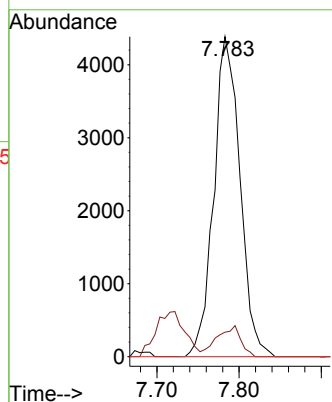
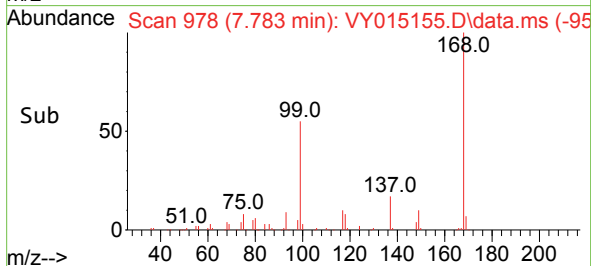


#36
 1,1-Dichloropropene
 Concen: 6.251 ug/l
 RT: 7.783 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY015155.D
 Acq: 16 Aug 2023 17:16

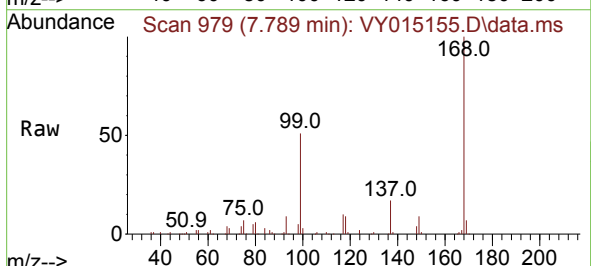
Instrument :
 MSVOA_Y
 ClientSampleId :



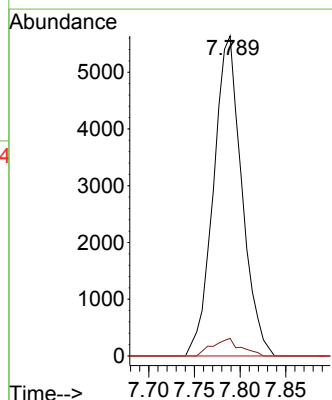
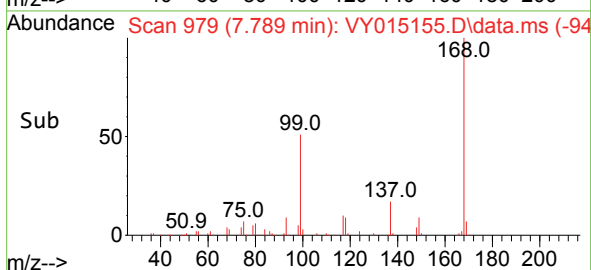
Tgt Ion: 75 Resp: 9685
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.8 53.5#
 77 0.0 24.4 36.6#

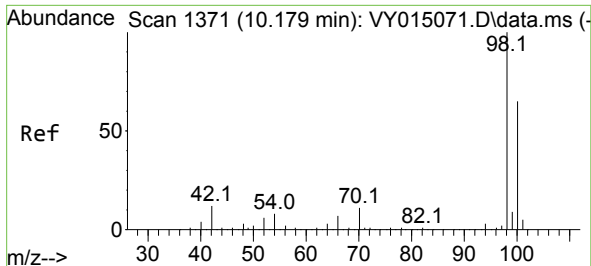


#38
 Carbon Tetrachloride
 Concen: 6.625 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY015155.D
 Acq: 16 Aug 2023 17:16



Tgt Ion: 117 Resp: 12147
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.4 114.6#
 121 0.0 25.8 38.6#

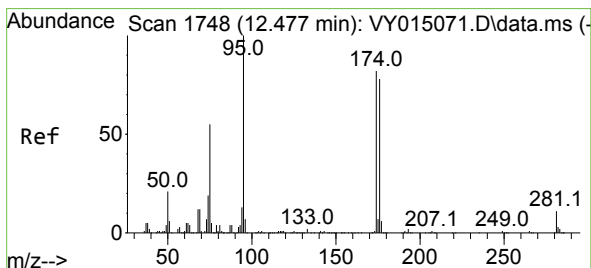
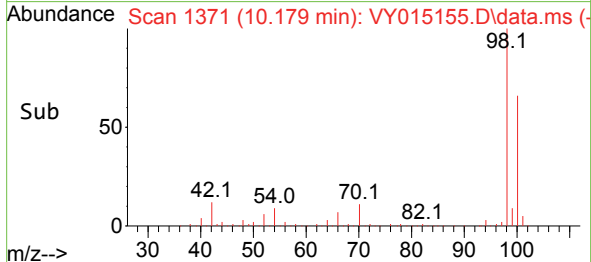
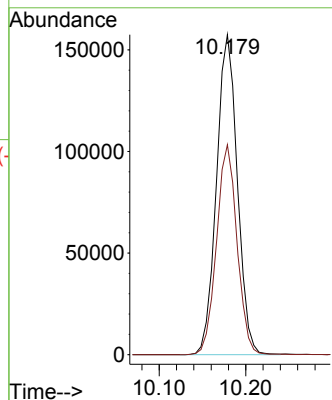
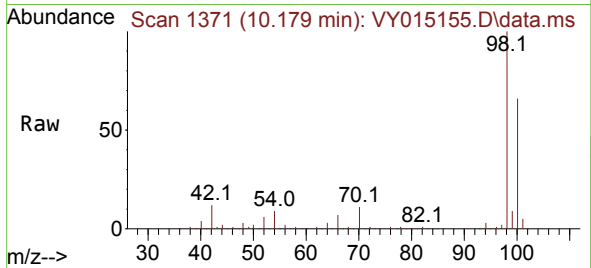




#50
Toluene-d8
Concen: 50.495 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

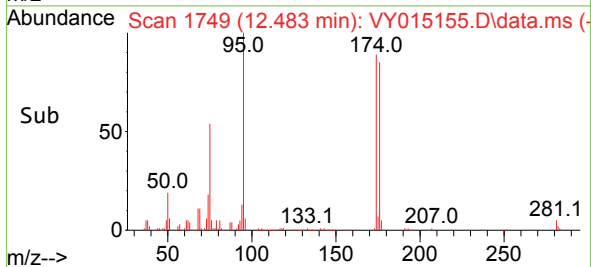
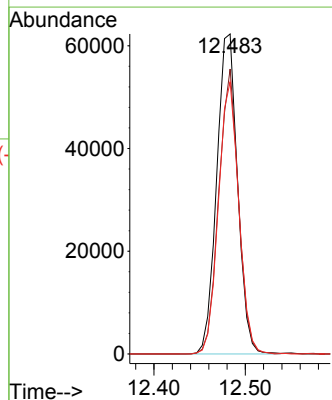
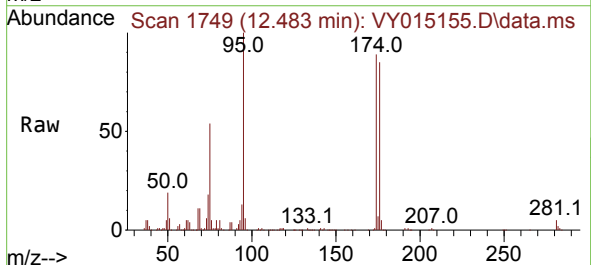
Instrument :
MSVOA_Y
ClientSampleId :

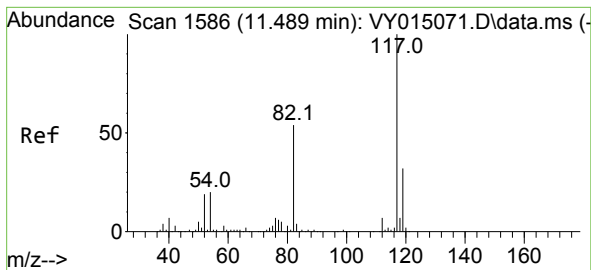
Tgt Ion: 98 Resp: 263232
Ion Ratio Lower Upper
98 100
100 64.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.849 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

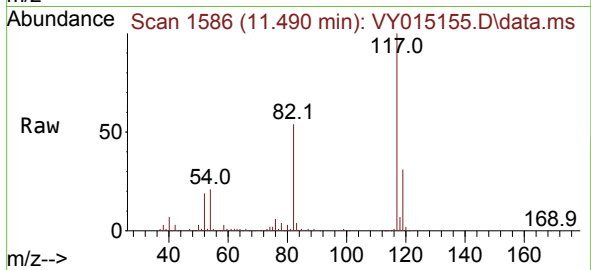
Tgt Ion: 95 Resp: 98722
Ion Ratio Lower Upper
95 100
174 84.5 0.0 178.2
176 83.0 0.0 173.8



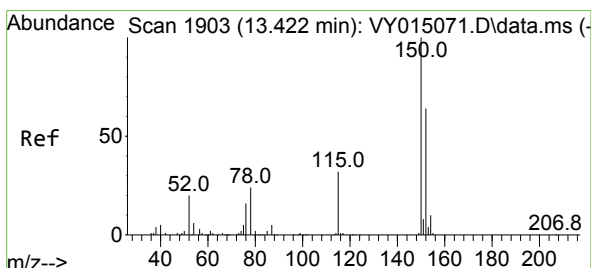
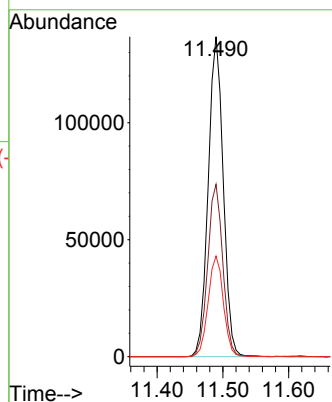
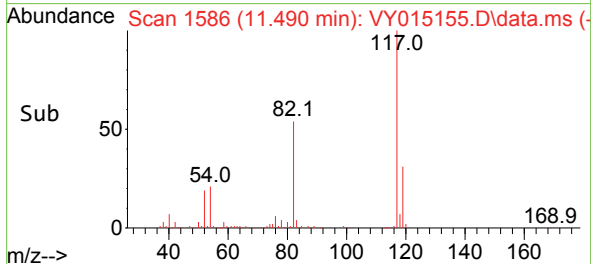


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

Instrument :
MSVOA_Y
ClientSampleId :

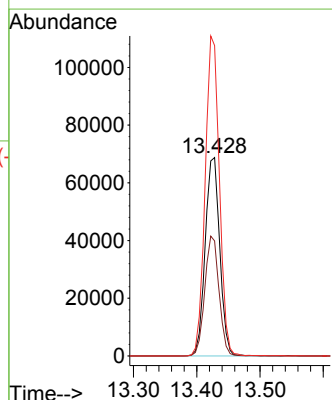
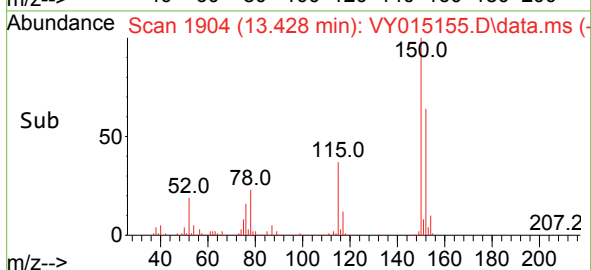
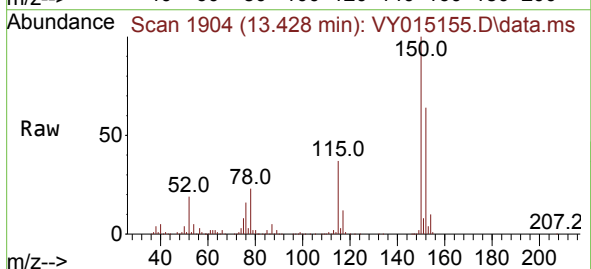


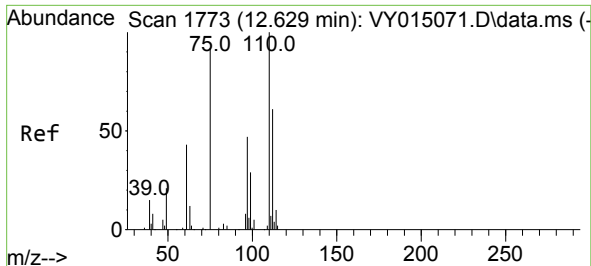
Tgt Ion:117 Resp: 217435
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.0
119 31.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

Tgt Ion:152 Resp: 110330
Ion Ratio Lower Upper
152 100
115 58.9 28.8 86.5
150 157.3 0.0 348.8

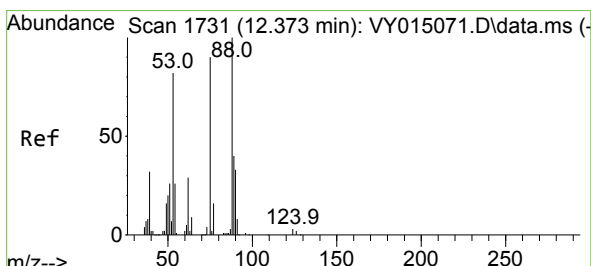
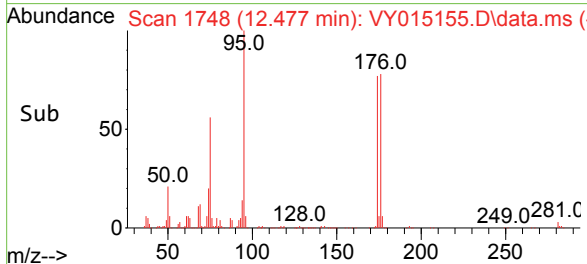
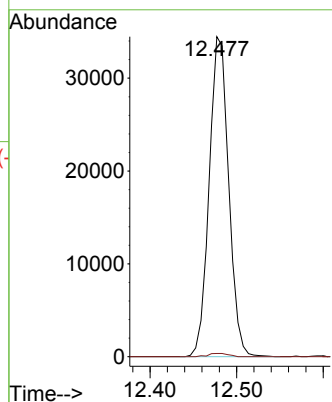
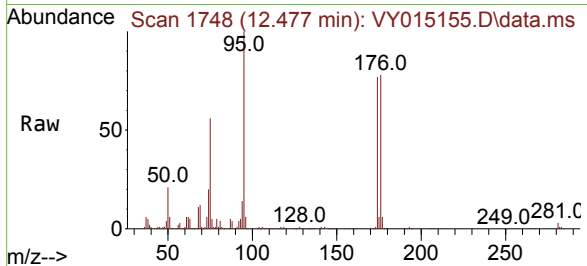




#76
1,2,3-Trichloropropane
Concen: 40.216 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 53907
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.334 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015155.D
Acq: 16 Aug 2023 17:16

Tgt Ion: 75 Resp: 53907
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

