

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011023\
 Data File : VY012137.D
 Acq On : 10 Jan 2023 13:22
 Operator : KP/MD
 Sample : 01093-02
 Misc : 6.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TT-214-IDWSO-20230109-2

Quant Time: Jan 11 03:08:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

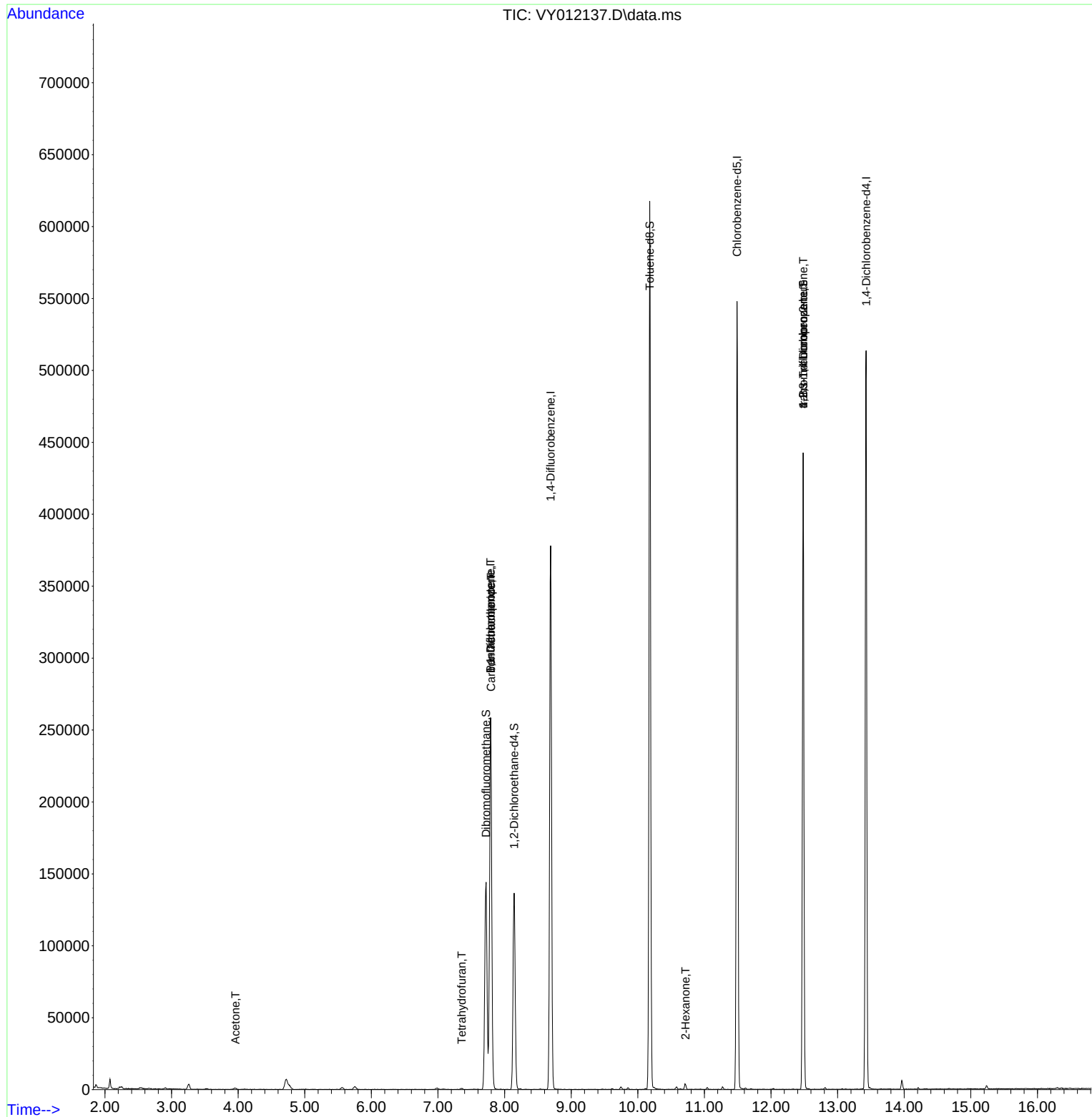
Internal Standards						
1) Pentafluorobenzene	7.789	168	200386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	336263	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	311077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139339	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116267	51.636	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.280%			
35) Dibromofluoromethane	7.722	113	99160	44.865	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 89.720%			
50) Toluene-d8	10.179	98	399934	45.844	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.680%			
62) 4-Bromofluorobenzene	12.483	95	125624	41.197	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	160	Below Cal	#	41
5) Bromomethane	2.662	94	115	Below Cal	#	64
11) Tert butyl alcohol	4.960	59	312	Below Cal	#	74
16) Acetone	3.960	43	1710	3.228	ug/l #	83
20) Methylene Chloride	4.716	84	5557	Below Cal	#	79
29) Tetrahydrofuran	7.356	42	492	1.206	ug/l	95
31) Cyclohexane	7.789	56	3735	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	14204	4.236	ug/l #	50
38) Carbon Tetrachloride	7.795	117	20620	4.845	ug/l #	17
59) 2-Hexanone	10.715	43	1248	1.110	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	67852	42.648	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	67852	94.715	ug/l #	13

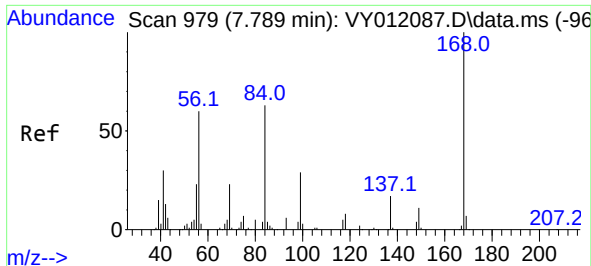
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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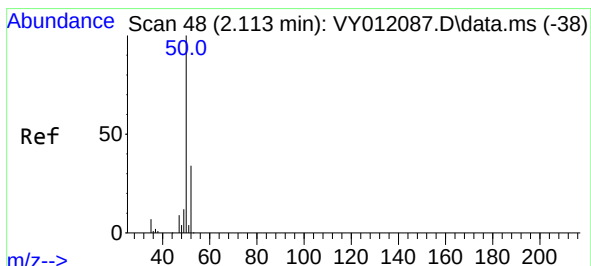
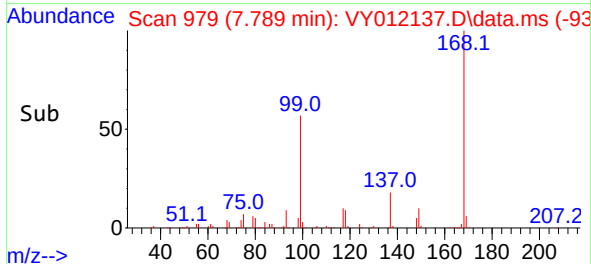
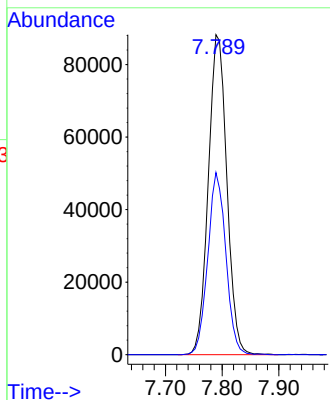
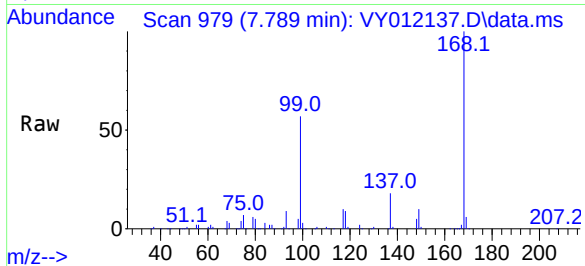




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

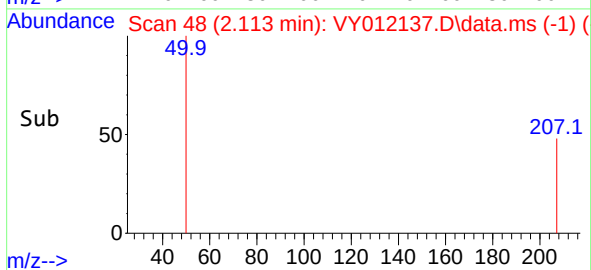
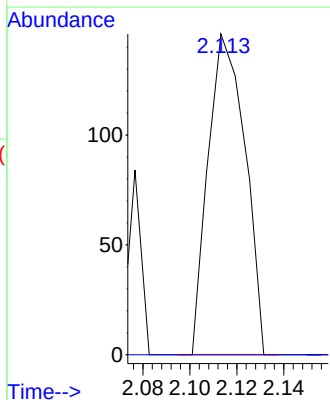
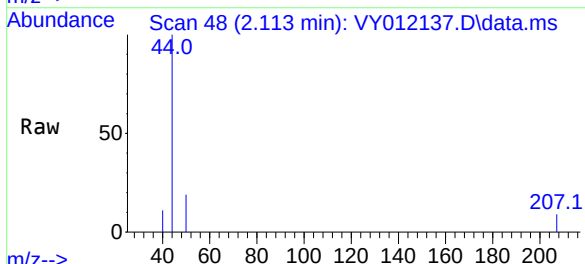
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-2

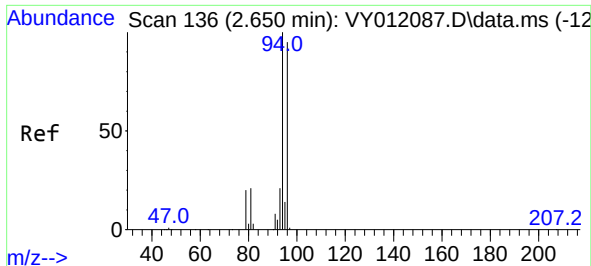
Tgt Ion:168 Resp: 200386
Ion Ratio Lower Upper
168 100
99 56.9 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 50 Resp: 160
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

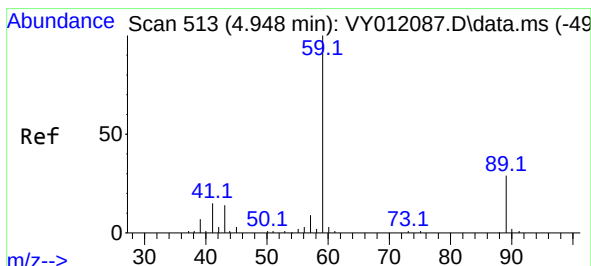
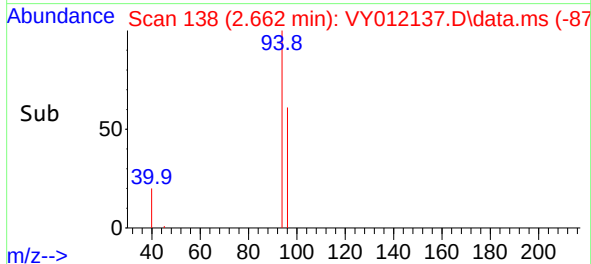
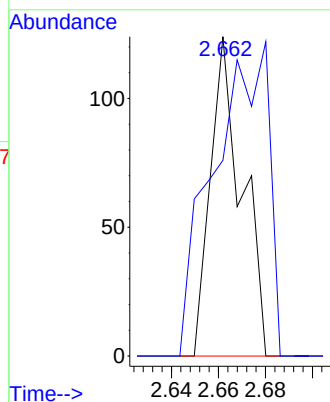
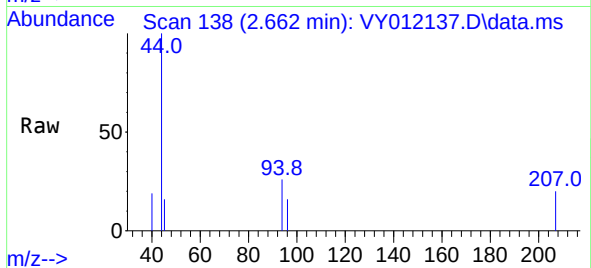




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

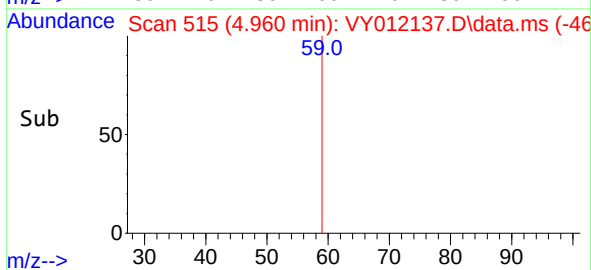
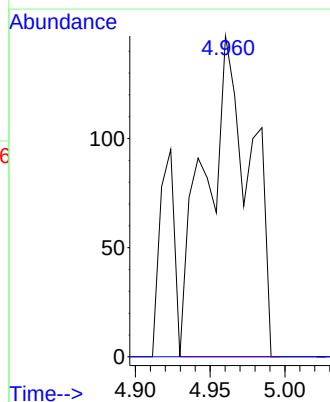
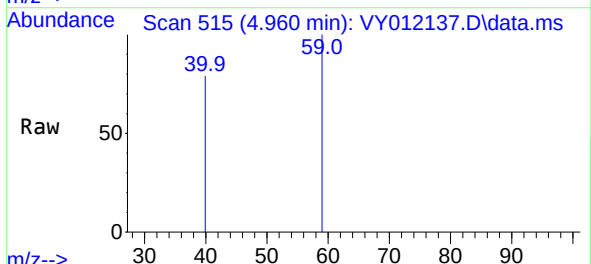
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-2

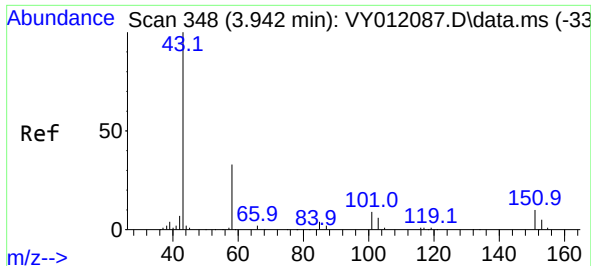
Tgt Ion: 94 Resp: 115
Ion Ratio Lower Upper
94 100
96 61.3 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

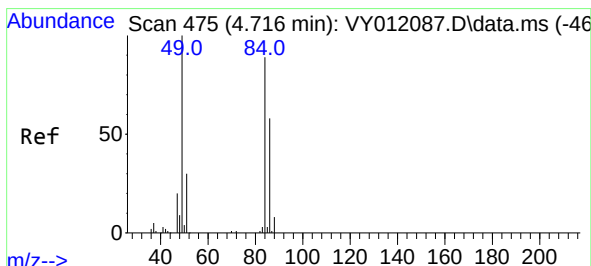
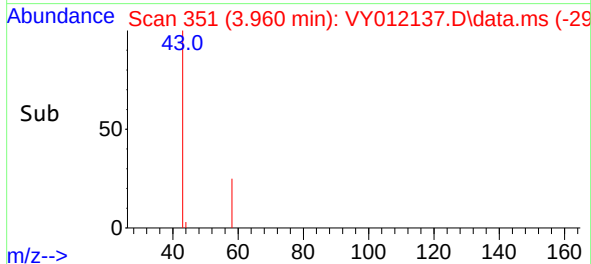
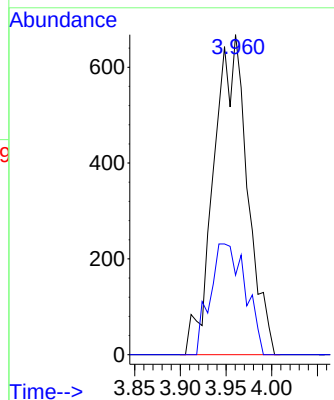
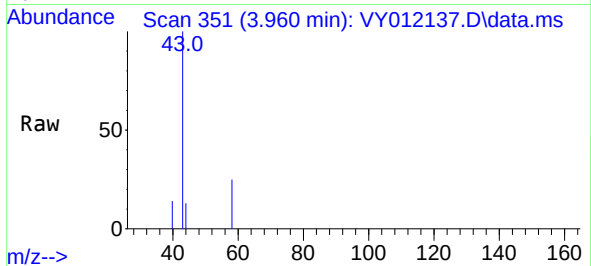




#16
Acetone
Concen: 3.228 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

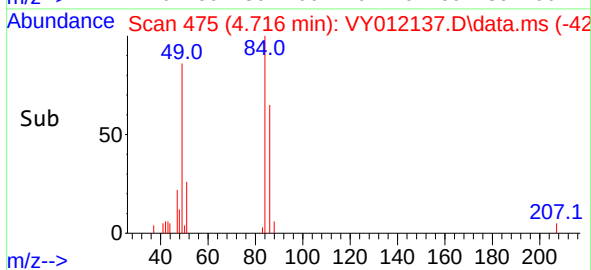
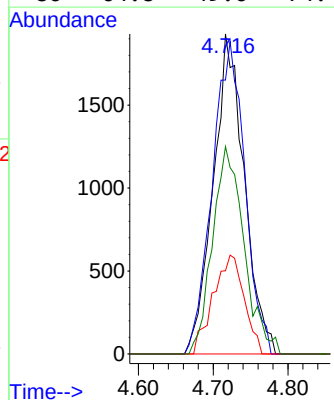
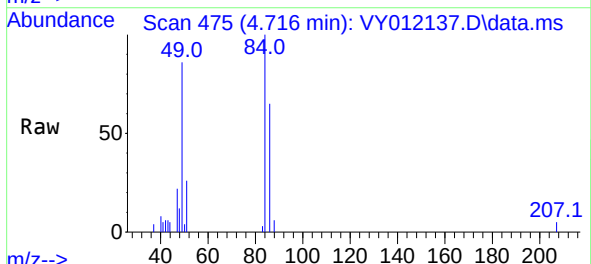
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-2

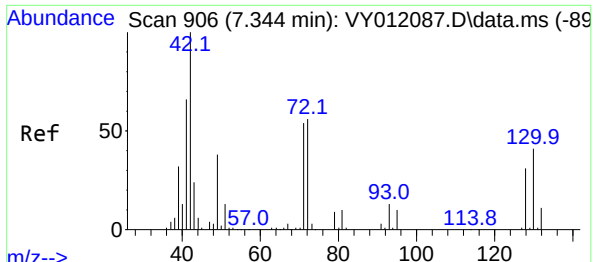
Tgt Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
58 24.9 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 84 Resp: 5557
Ion Ratio Lower Upper
84 100
49 85.6 95.4 143.2#
51 26.0 29.9 44.9#
86 64.8 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.206 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY012137.D

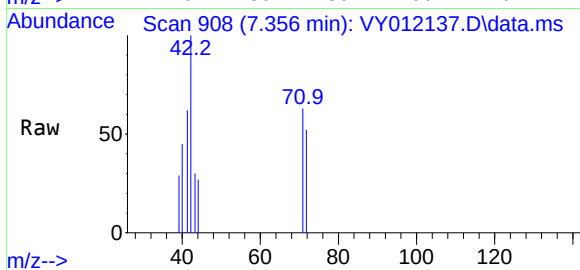
Acq: 10 Jan 2023 13:22

Instrument :

MSVOA_Y

ClientSampleId :

TT-214-IDWSO-20230109-2



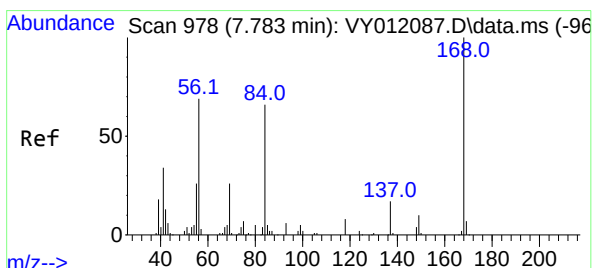
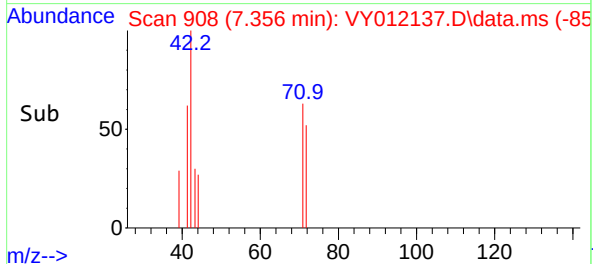
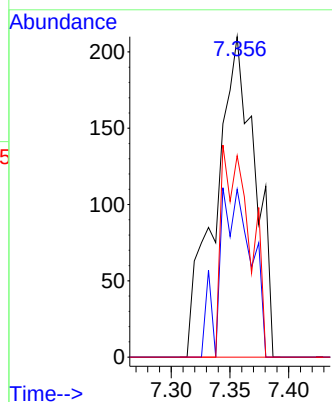
Tgt Ion: 42 Resp: 492

Ion Ratio Lower Upper

42 100

72 42.7 37.0 55.6

71 47.0 34.9 52.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012137.D

Acq: 10 Jan 2023 13:22

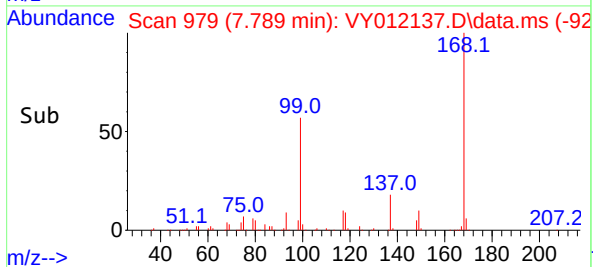
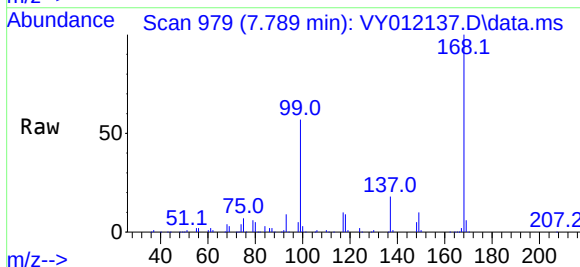
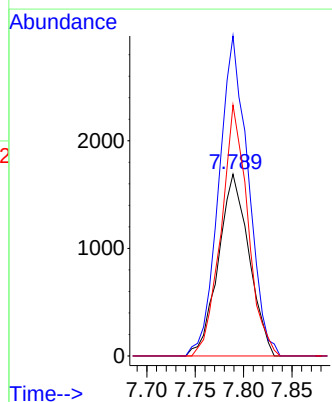
Tgt Ion: 56 Resp: 3735

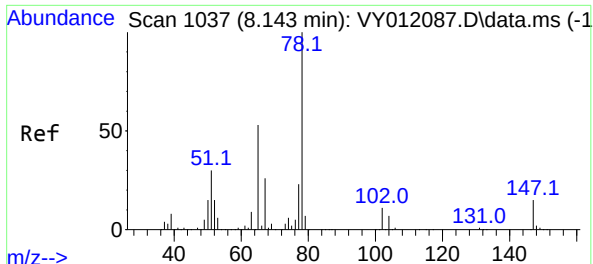
Ion Ratio Lower Upper

56 100

69 176.1 29.2 43.8#

84 138.1 72.6 108.8#

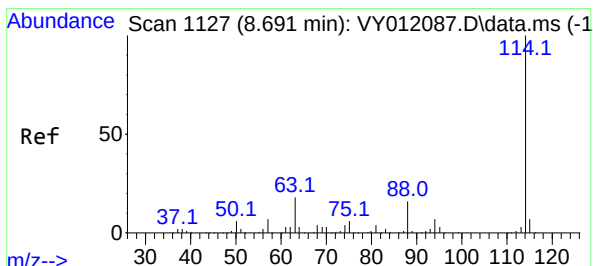
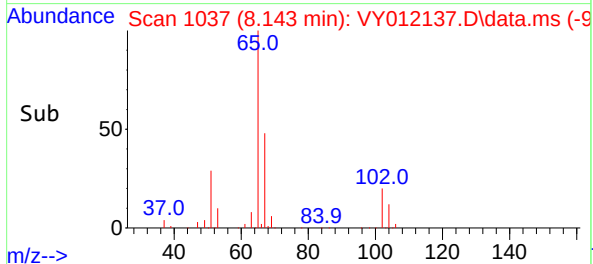
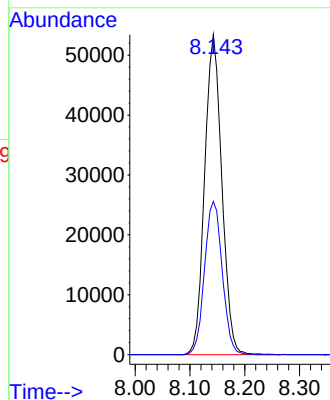
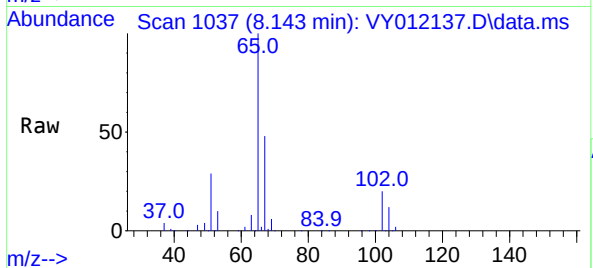




#33
1,2-Dichloroethane-d4
Concen: 51.636 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

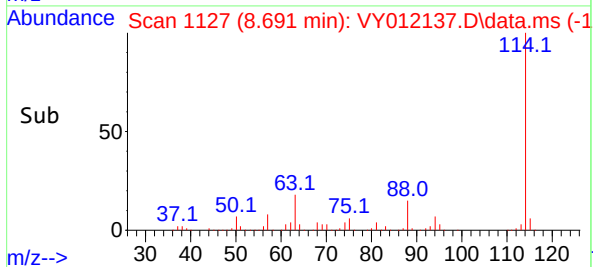
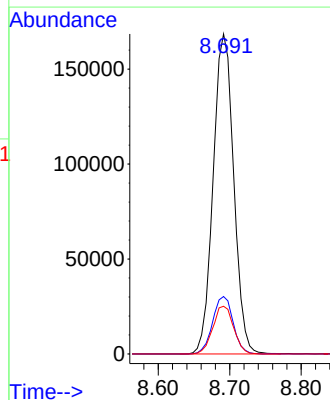
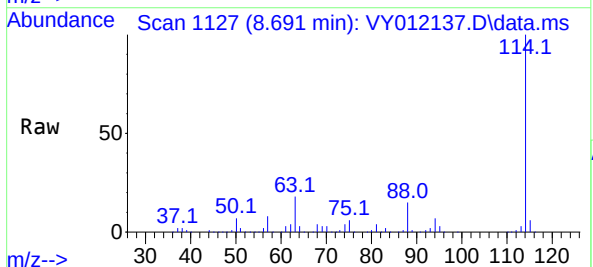
Instrument : MSVOA_Y
ClientSampleId : TT-214-IDWSO-20230109-2

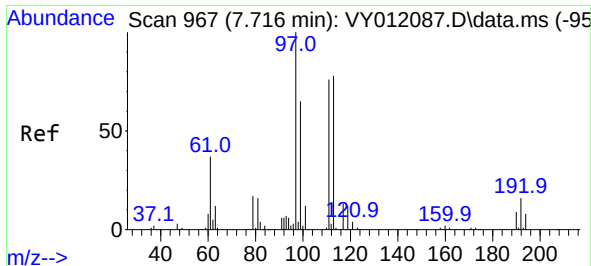
Tgt Ion: 65 Resp: 116267
Ion Ratio Lower Upper
65 100
67 49.2 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion:114 Resp: 336263
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.6
88 14.9 0.0 32.2

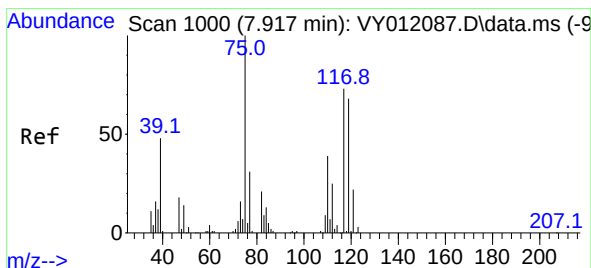
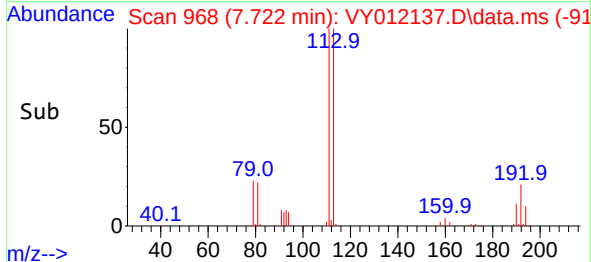
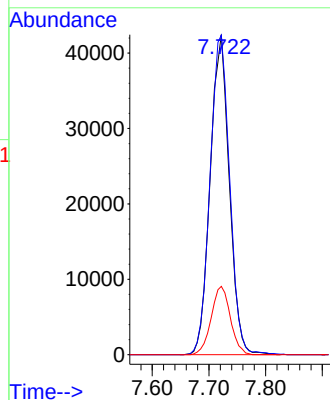
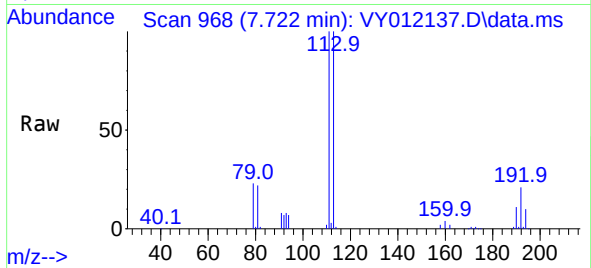




#35
Dibromofluoromethane
Concen: 44.865 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

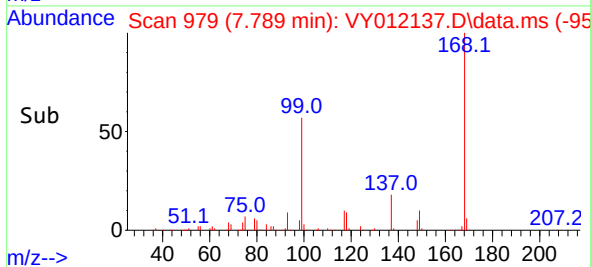
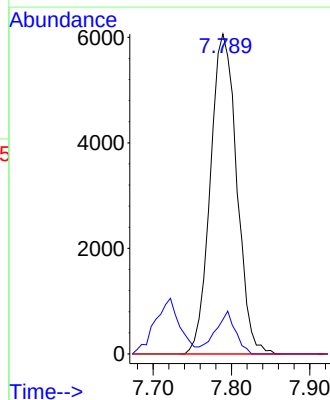
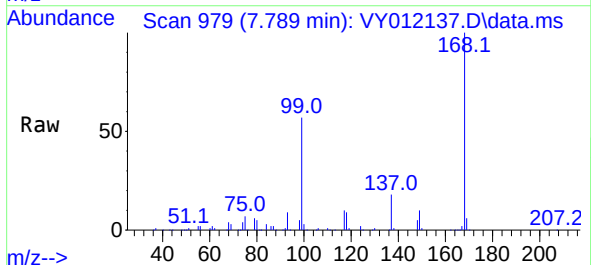
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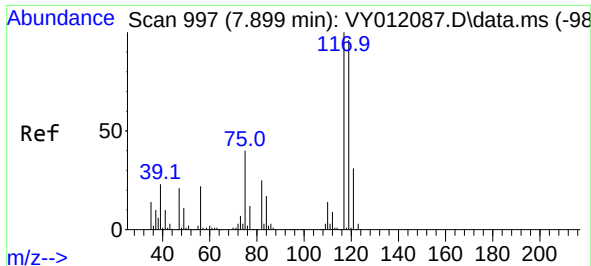
Tgt Ion:113 Resp: 99160
Ion Ratio Lower Upper
113 100
111 102.7 83.0 124.4
192 21.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.236 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 75 Resp: 14204
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.0 25.1 37.7#

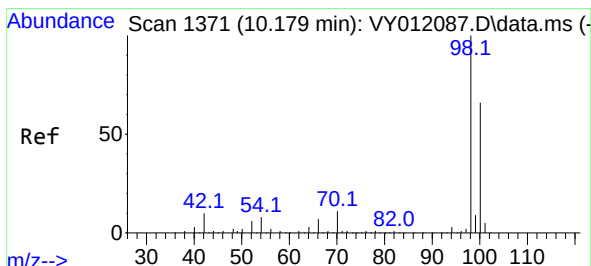
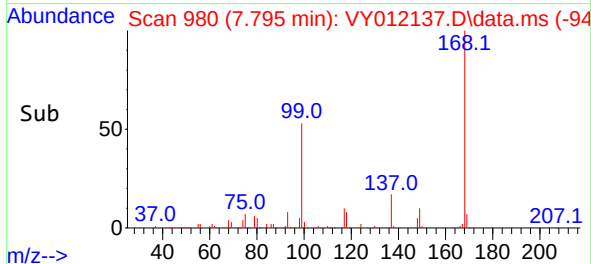
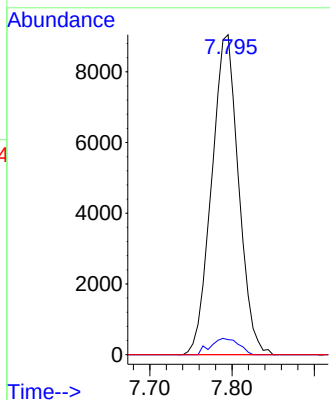
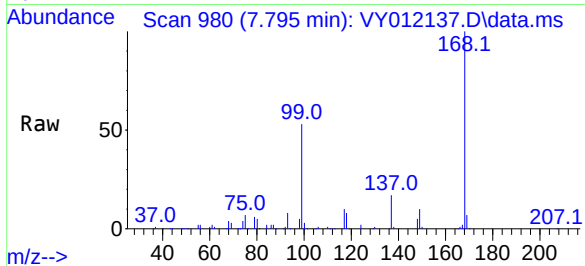




#38
Carbon Tetrachloride
Concen: 4.845 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

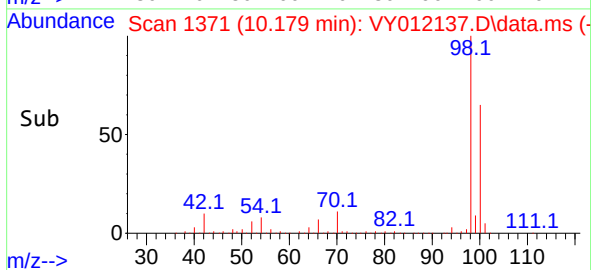
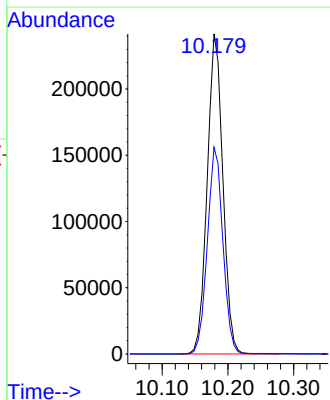
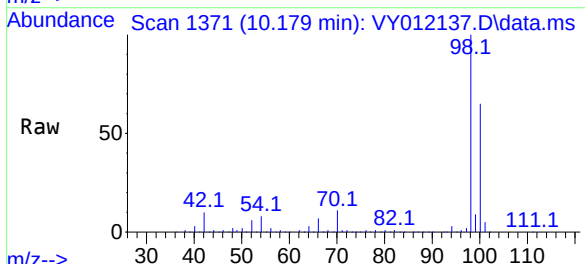
Instrument :
MSVOA_Y
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TT-214-IDWSO-20230109-2

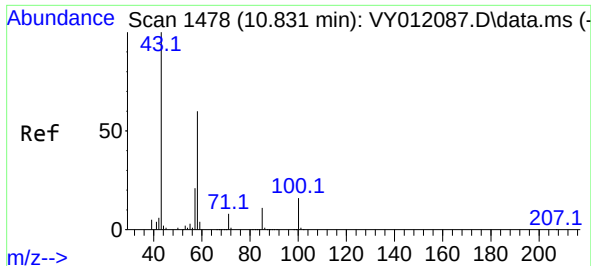
Tgt Ion:117 Resp: 20620
Ion Ratio Lower Upper
117 100
119 4.7 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.844 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 98 Resp: 399934
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

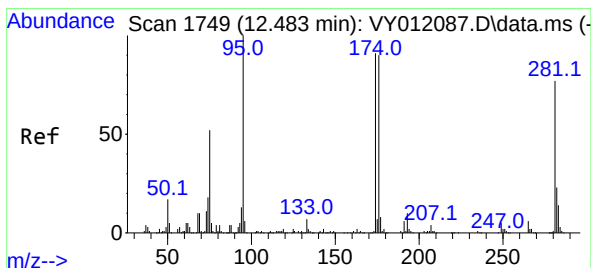
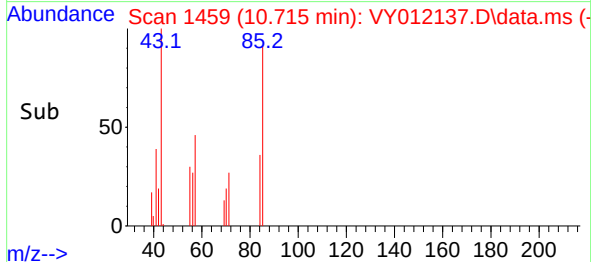
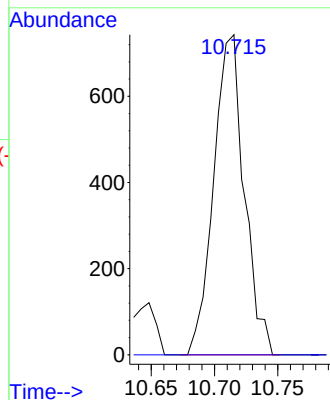
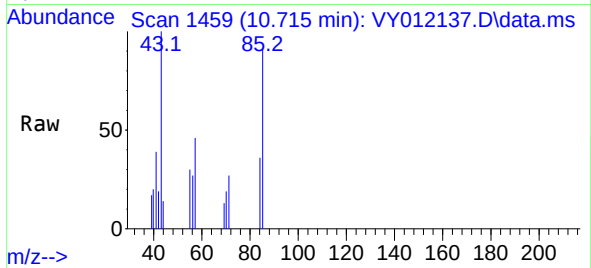




#59
2-Hexanone
Concen: 1.110 ug/l
RT: 10.715 min Scan# 1478
Delta R.T. -0.116 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

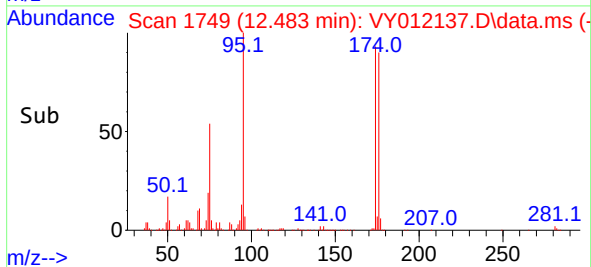
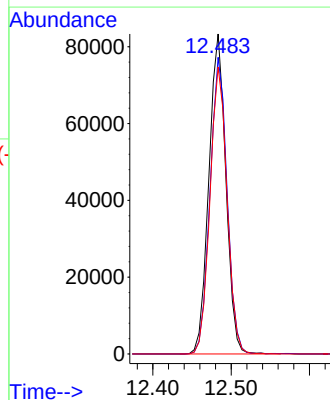
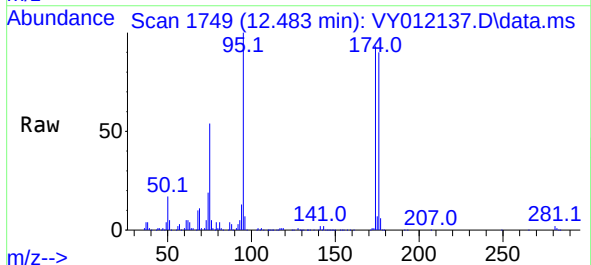
Instrument : MSVOA_Y
ClientSampleId : TT-214-IDWSO-20230109-2

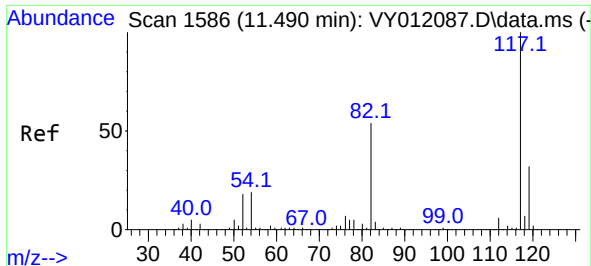
Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.2#



#62
4-Bromofluorobenzene
Concen: 41.197 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 95 Resp: 125624
Ion Ratio Lower Upper
95 100
174 92.9 0.0 172.0
176 90.0 0.0 167.6

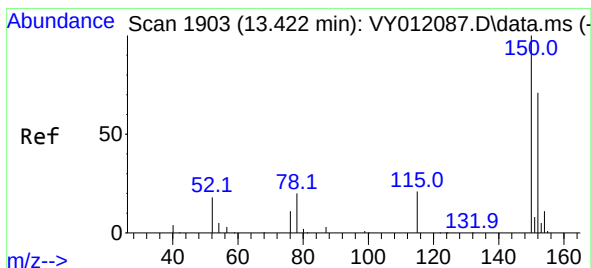
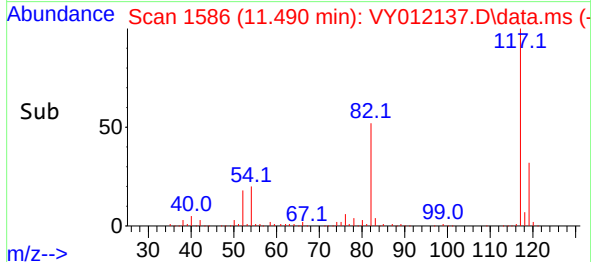
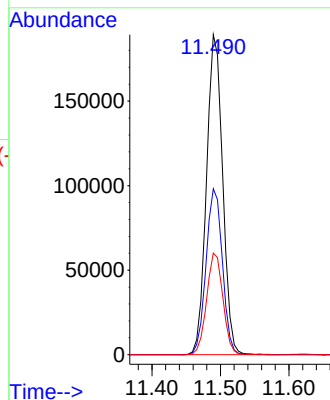
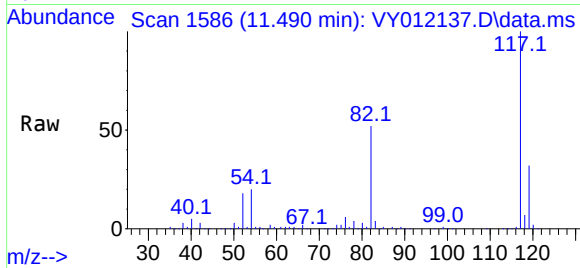




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

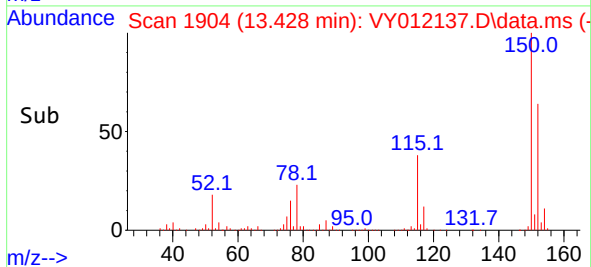
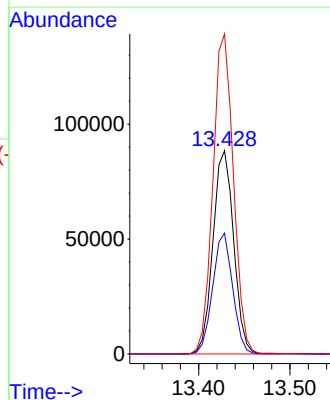
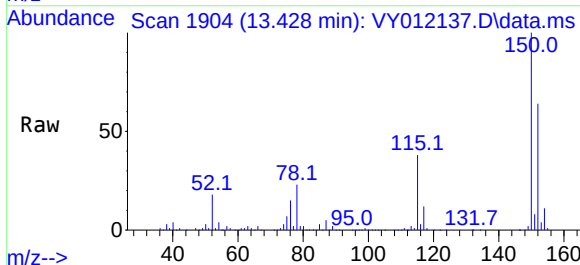
Instrument :
MSVOA_Y
ClientSampleId :
TT-214-IDWSO-20230109-2

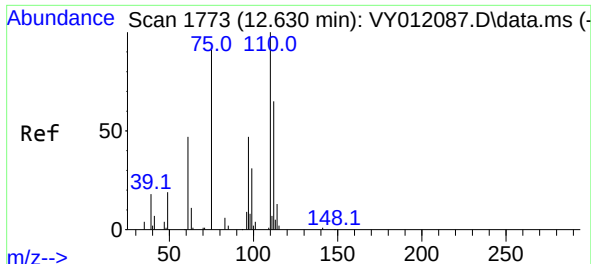
Tgt Ion:117 Resp: 311077
Ion Ratio Lower Upper
117 100
82 51.9 44.8 67.2
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion:152 Resp: 139339
Ion Ratio Lower Upper
152 100
115 57.5 29.1 87.3
150 156.1 0.0 342.6

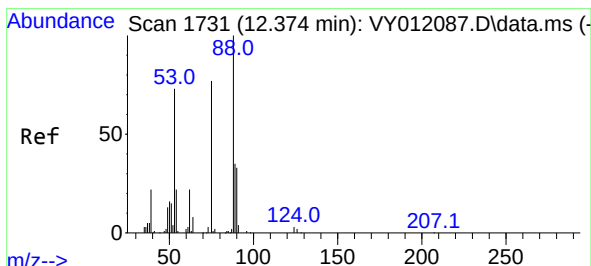
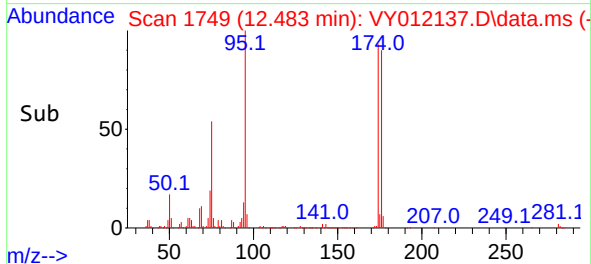
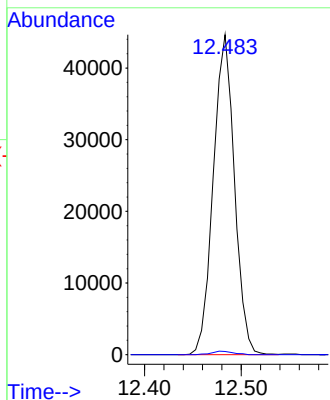
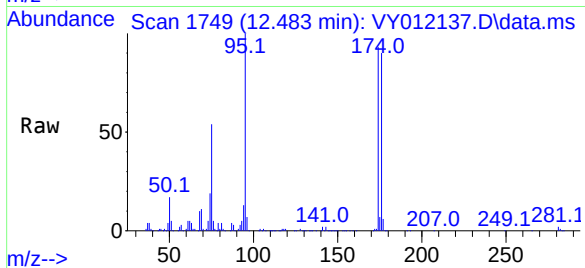




#76
1,2,3-Trichloropropane
Concen: 42.648 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Instrument : MSVOA_Y
ClientSampleId : TT-214-IDWSO-20230109-2

Tgt Ion: 75 Resp: 67852
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.715 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012137.D
Acq: 10 Jan 2023 13:22

Tgt Ion: 75 Resp: 67852
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

