

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012423\
 Data File : VY012342.D
 Acq On : 24 Jan 2023 15:15
 Operator : KP/MD
 Sample : 01260-10
 Misc : 4.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 25 01:32:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

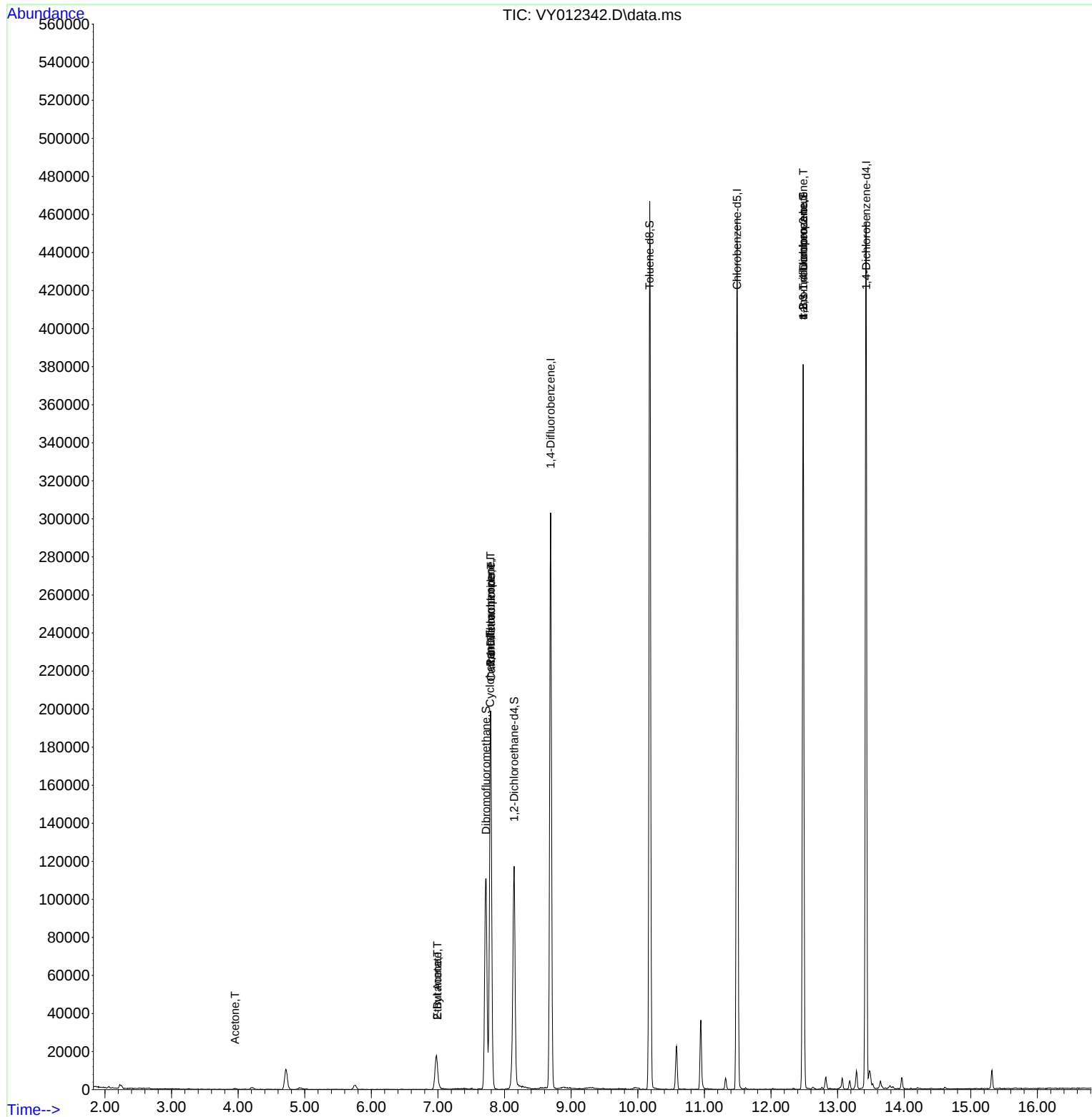
Internal Standards						
1) Pentafluorobenzene	7.789	168	155925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	261044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	257720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	94253	74.883	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 149.760%	
35) Dibromofluoromethane	7.722	113	77405	56.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.000%	
50) Toluene-d8	10.179	98	314147	67.075	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 134.140%	
62) 4-Bromofluorobenzene	12.483	95	103899	53.322	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	605	Below Cal	#	74
16) Acetone	3.954	43	855	1.969	ug/l	99
20) Methylene Chloride	4.716	84	8264	Below Cal	#	83
25) 2-Butanone	6.990	43	1119	2.335	ug/l	# 46
31) Cyclohexane	7.783	56	3039	1.337	ug/l	# 35
36) 1,1-Dichloropropene	7.789	75	10352	4.407	ug/l	# 51
37) Ethyl Acetate	6.990	43	1119	1.081	ug/l	# 1
38) Carbon Tetrachloride	7.795	117	15640	5.155	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	58189	51.757	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	58189	106.642	ug/l	# 13

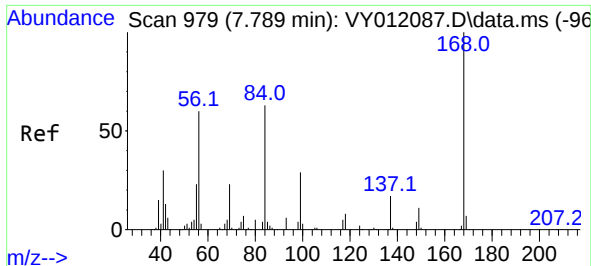
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 04:31:47 2023
Response via : Initial Calibration

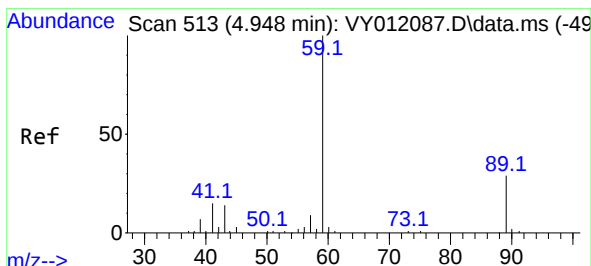
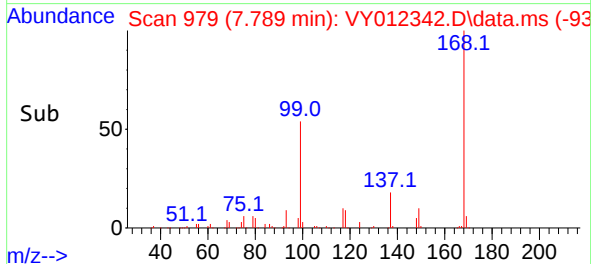
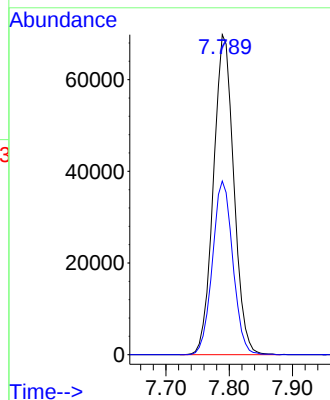
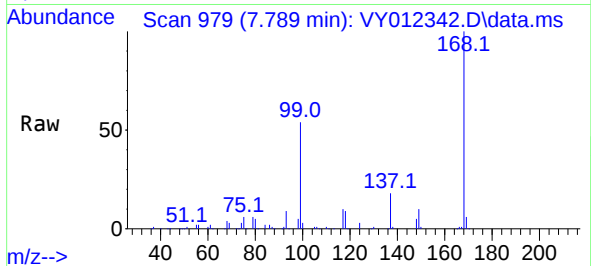




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

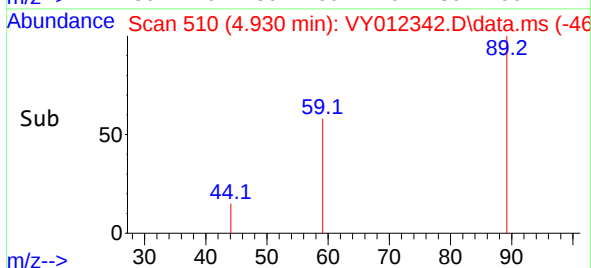
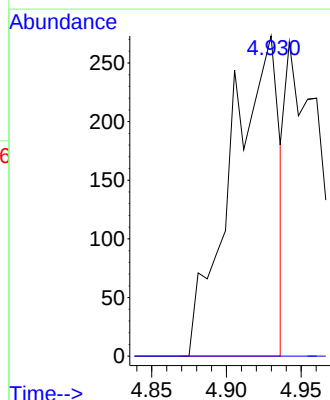
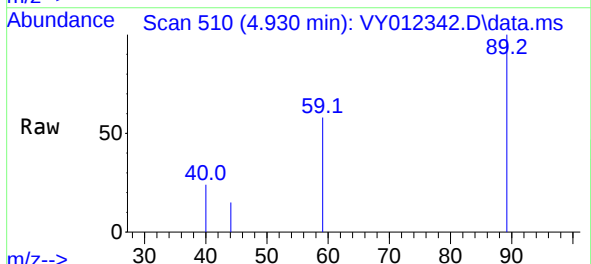
Instrument :
MSVOA_Y
ClientSampleId :

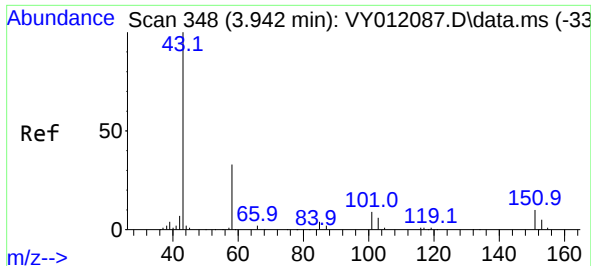
Tgt Ion:168 Resp: 155925
Ion Ratio Lower Upper
168 100
99 54.3 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Tgt Ion: 59 Resp: 605
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

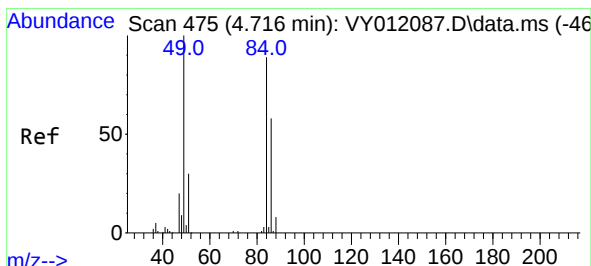
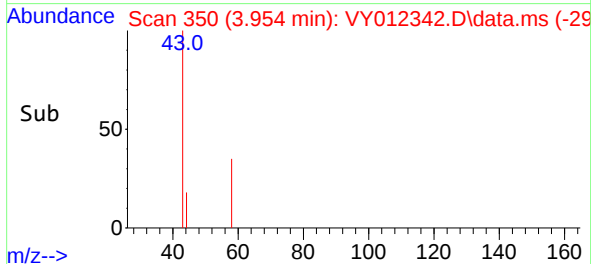
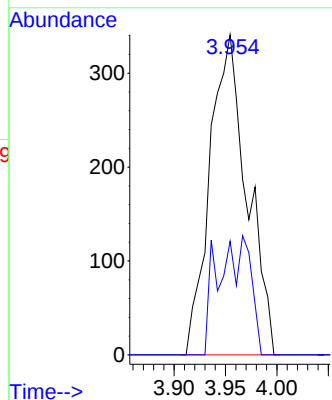
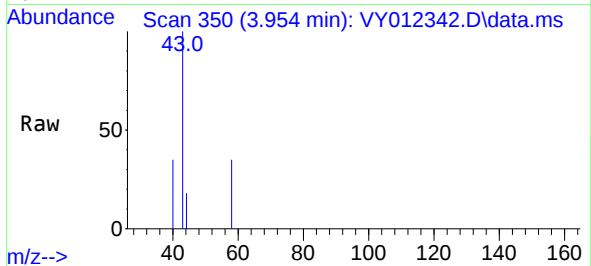




#16
Acetone
Concen: 1.969 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

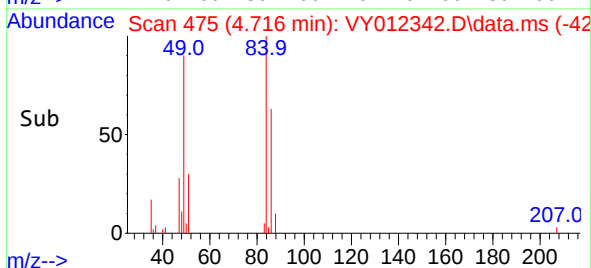
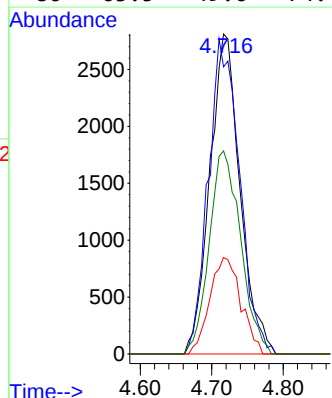
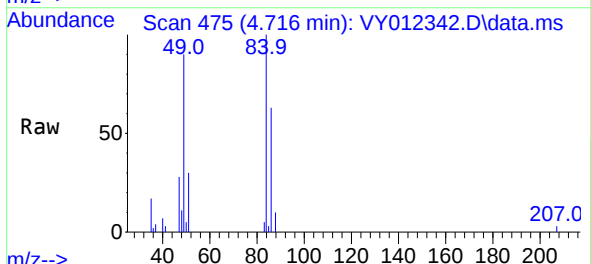
Instrument :
MSVOA_Y
ClientSampleId :

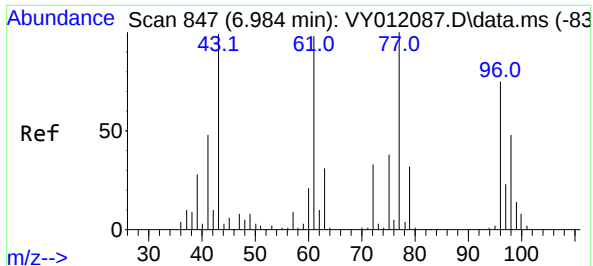
Tgt Ion: 43 Resp: 855
Ion Ratio Lower Upper
43 100
58 35.5 27.9 41.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Tgt Ion: 84 Resp: 8264
Ion Ratio Lower Upper
84 100
49 89.7 95.4 143.2#
51 30.2 29.9 44.9
86 63.5 49.6 74.4





#25

2-Butanone

Concen: 2.335 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012342.D

Acq: 24 Jan 2023 15:15

Instrument :

MSVOA_Y

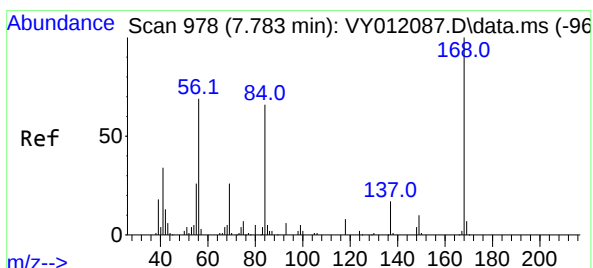
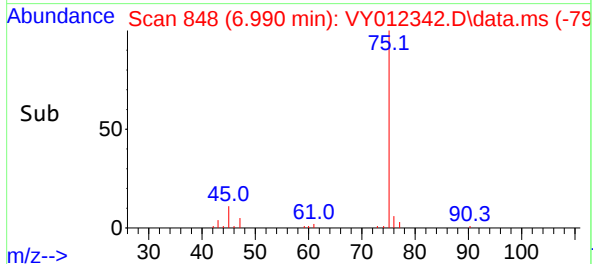
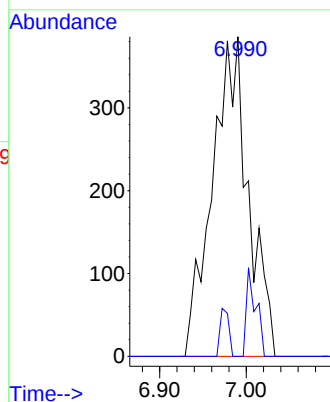
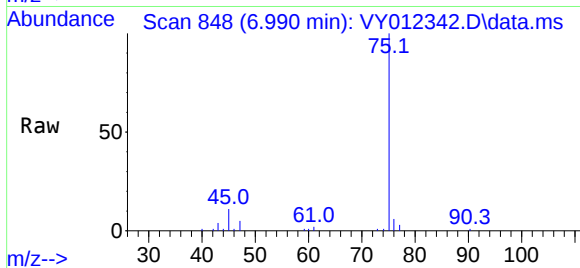
ClientSampleId :

Tgt Ion: 43 Resp: 1119

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012342.D

Acq: 24 Jan 2023 15:15

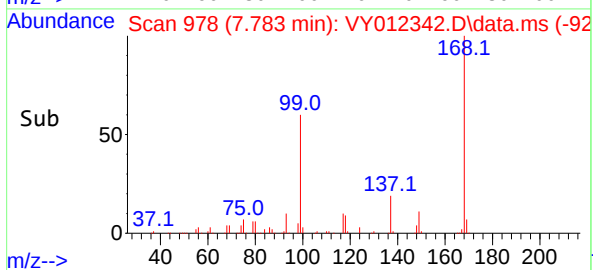
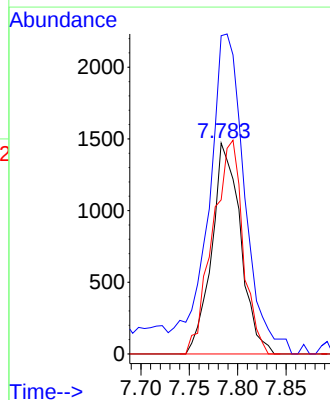
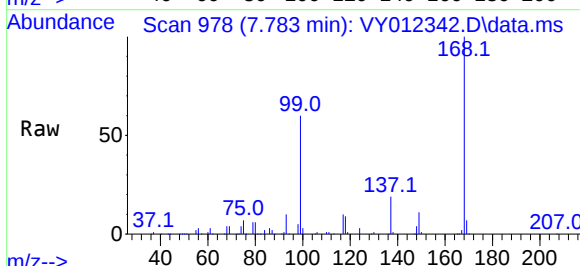
Tgt Ion: 56 Resp: 3039

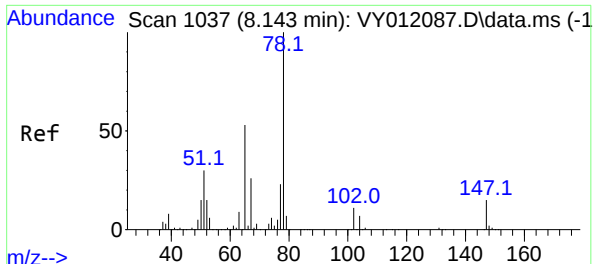
Ion Ratio Lower Upper

56 100

69 143.8 29.2 43.8#

84 73.1 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 74.883 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012342.D

Acq: 24 Jan 2023 15:15

Instrument :

MSVOA_Y

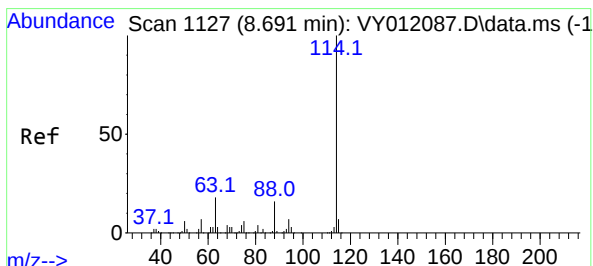
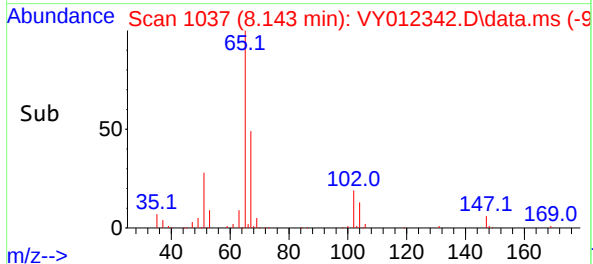
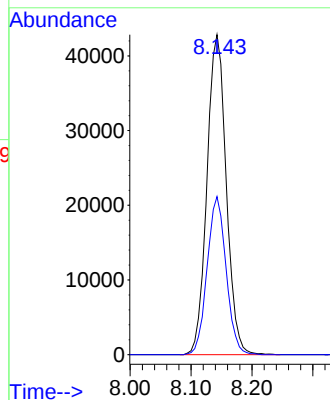
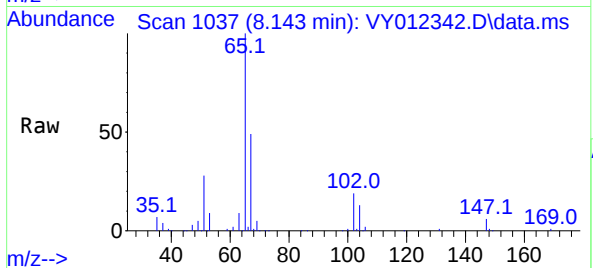
ClientSampleId :

Tgt Ion: 65 Resp: 94253

Ion Ratio Lower Upper

65 100

67 48.5 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: VY012342.D

Acq: 24 Jan 2023 15:15

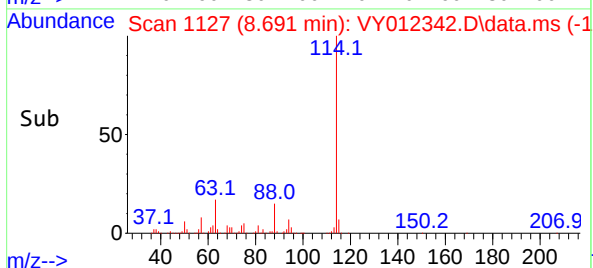
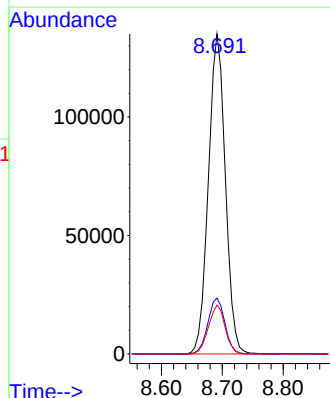
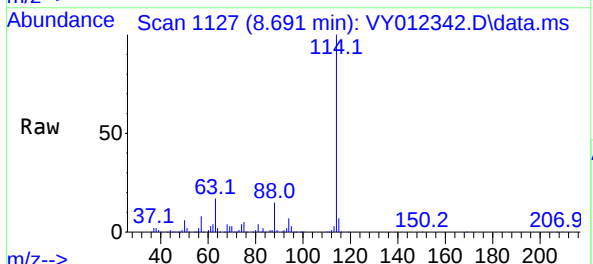
Tgt Ion:114 Resp: 261044

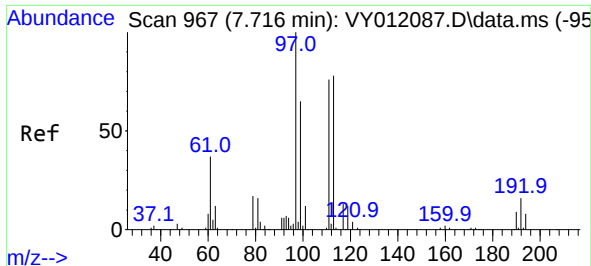
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

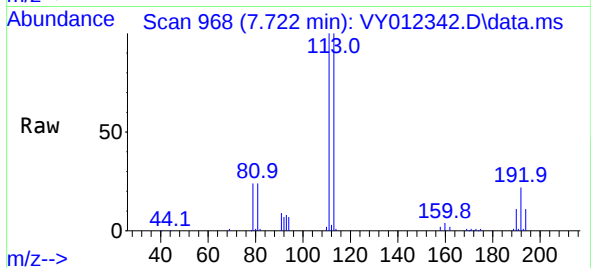
88 15.3 0.0 32.2



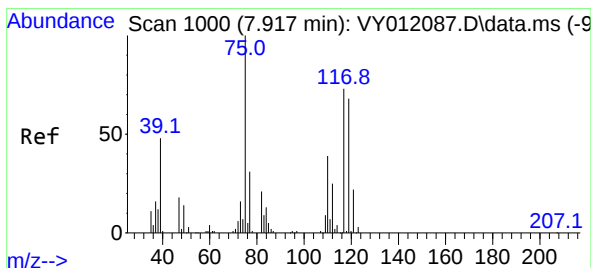
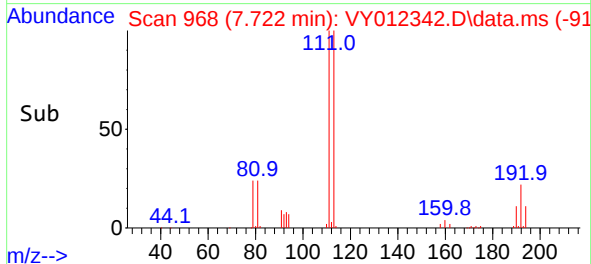
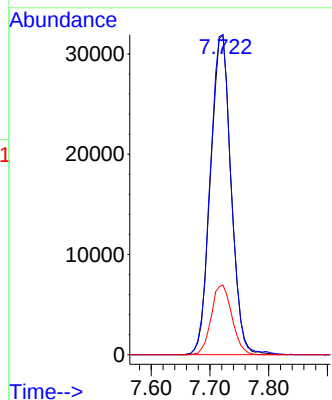


#35
Dibromofluoromethane
Concen: 56.000 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :

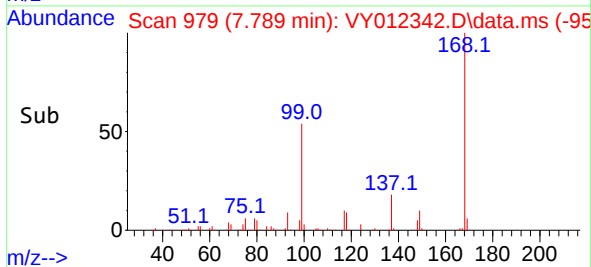
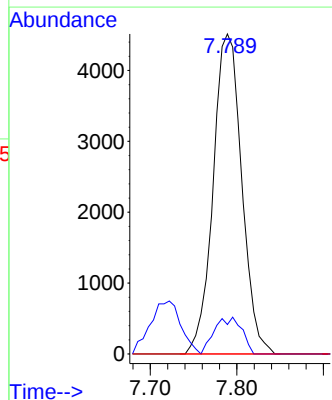
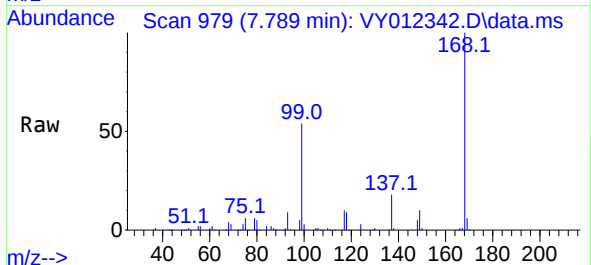


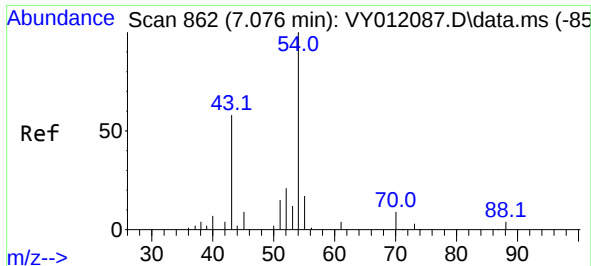
Tgt Ion:113 Resp: 77405
Ion Ratio Lower Upper
113 100
111 101.4 83.0 124.4
192 21.9 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.407 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Tgt Ion: 75 Resp: 10352
Ion Ratio Lower Upper
75 100
110 11.0 18.1 54.1#
77 0.0 25.1 37.7#

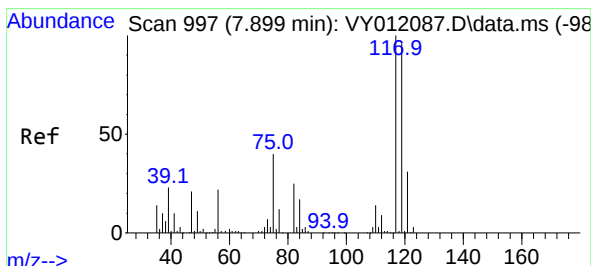
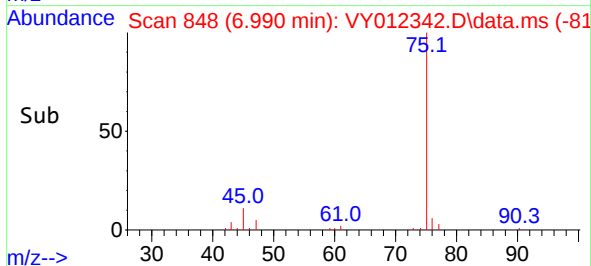
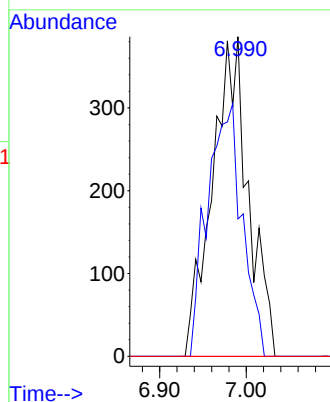
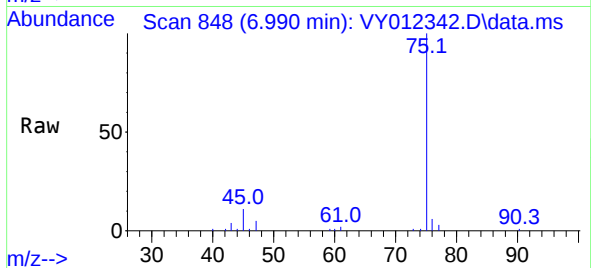




#37
Ethyl Acetate
Concen: 1.081 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

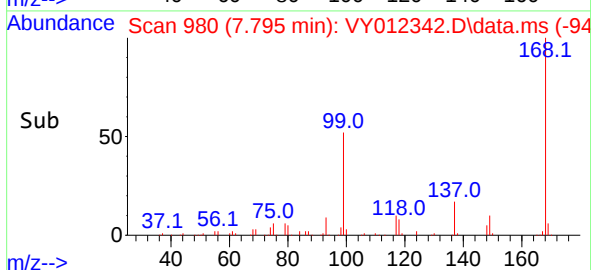
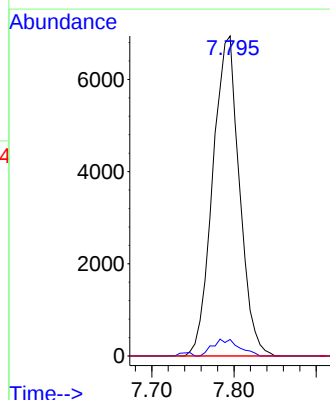
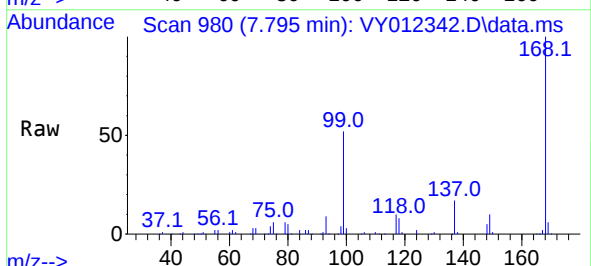
Instrument :
MSVOA_Y
ClientSampleId :

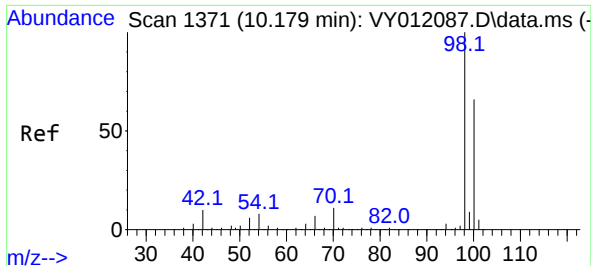
Tgt Ion: 43 Resp: 1119
Ion Ratio Lower Upper
43 100
61 75.8 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 5.155 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.104 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Tgt Ion: 117 Resp: 15640
Ion Ratio Lower Upper
117 100
119 5.2 73.8 110.8#
121 0.0 25.2 37.8#

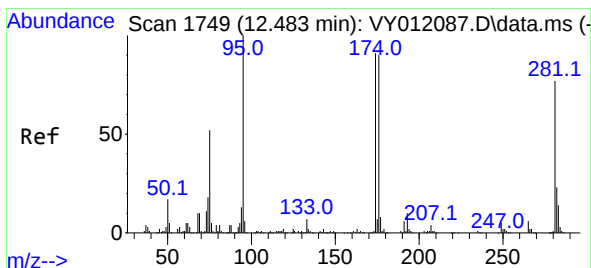
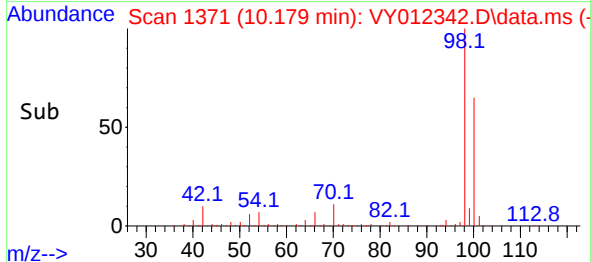
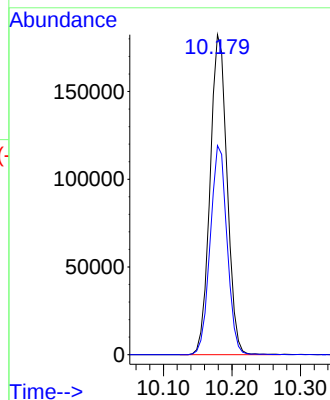
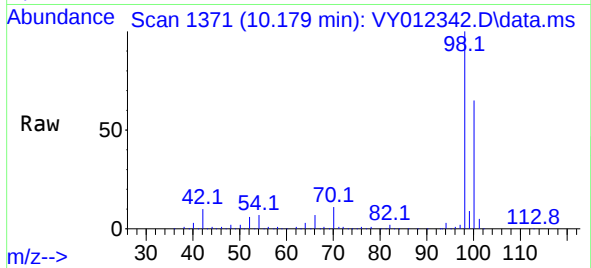




#50
Toluene-d8
Concen: 67.075 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

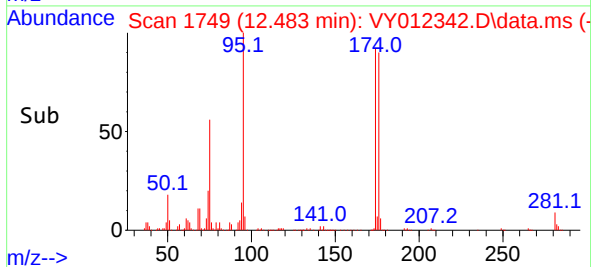
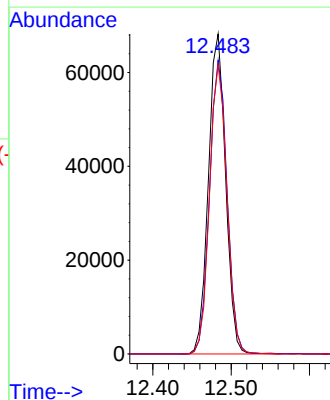
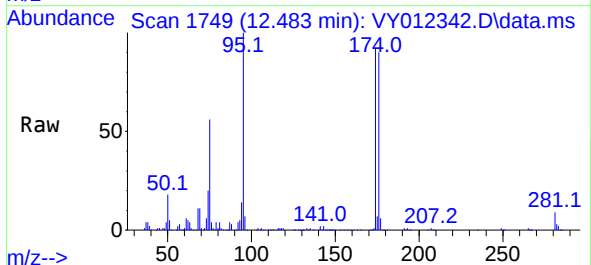
Instrument :
MSVOA_Y
ClientSampleId :

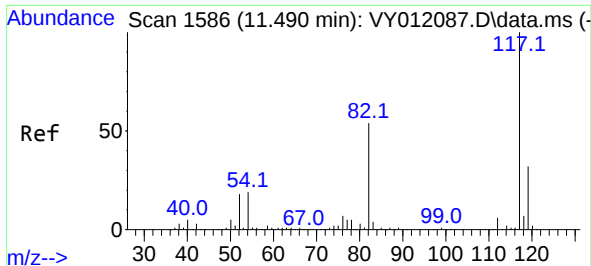
Tgt Ion: 98 Resp: 314147
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 53.322 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Tgt Ion: 95 Resp: 103899
Ion Ratio Lower Upper
95 100
174 93.6 0.0 172.0
176 91.7 0.0 167.6

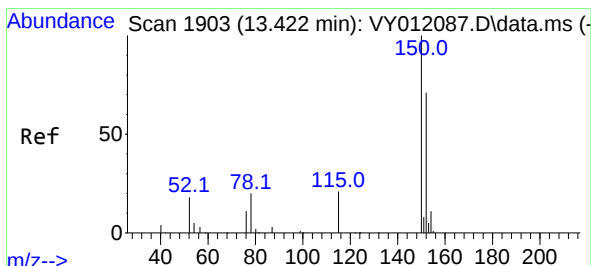
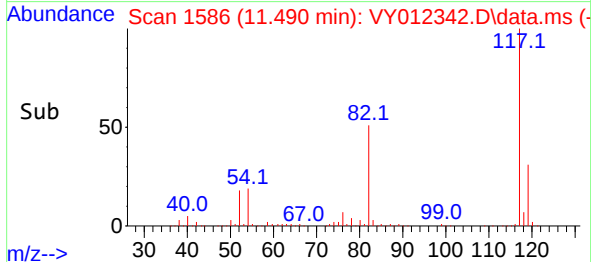
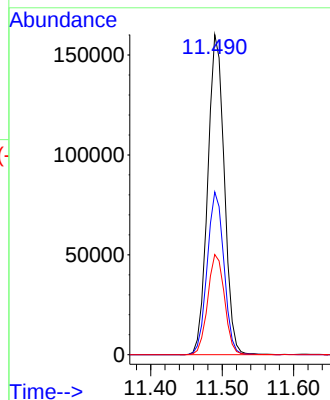
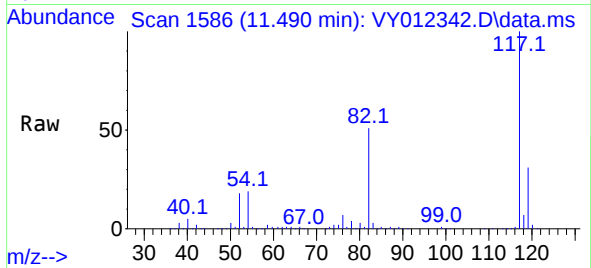




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

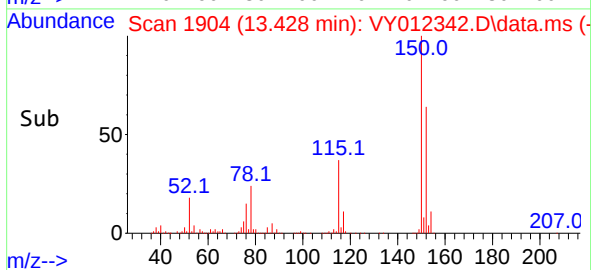
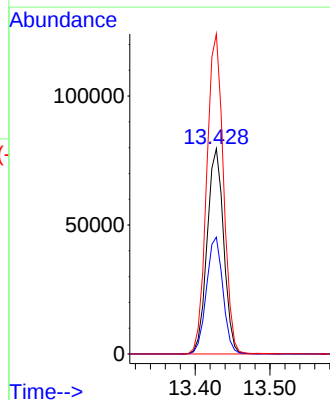
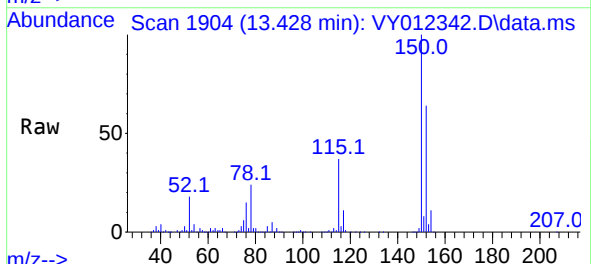
Instrument :
MSVOA_Y
ClientSampleId :

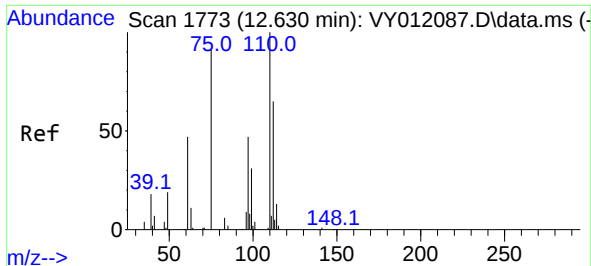
Tgt Ion:117 Resp: 257720
Ion Ratio Lower Upper
117 100
82 50.8 44.8 67.2
119 31.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Tgt Ion:152 Resp: 122265
Ion Ratio Lower Upper
152 100
115 56.7 29.1 87.3
150 157.2 0.0 342.6

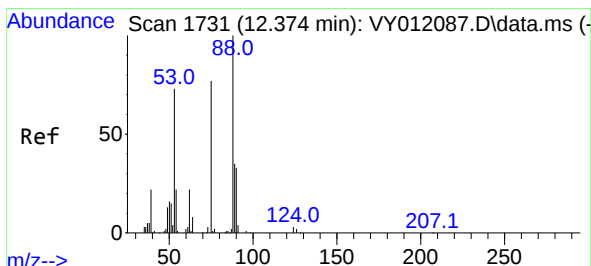
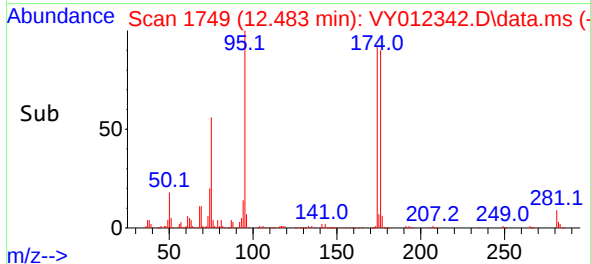
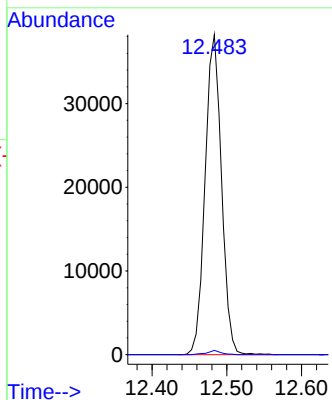
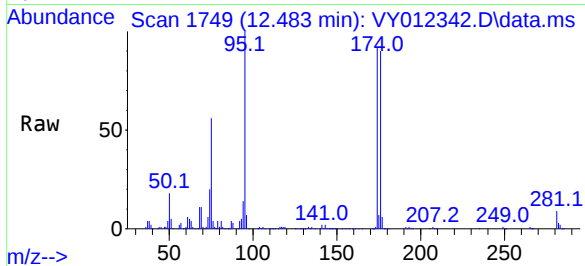




#76
1,2,3-Trichloropropane
Concen: 51.757 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 58189
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.642 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012342.D
Acq: 24 Jan 2023 15:15

Tgt Ion: 75 Resp: 58189
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

