

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012485.D
 Acq On : 03 Feb 2023 18:21
 Operator : KP/MD
 Sample : 01413-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:14:09 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	7.795	168	8708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	13865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	13731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5333	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5381	76.646	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	153.300%
35) Dibromofluoromethane	7.716	113	3249	44.255	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.520%
50) Toluene-d8	10.179	98	16140	64.727	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	129.460%
62) 4-Bromofluorobenzene	12.483	95	4751	45.906	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.820%

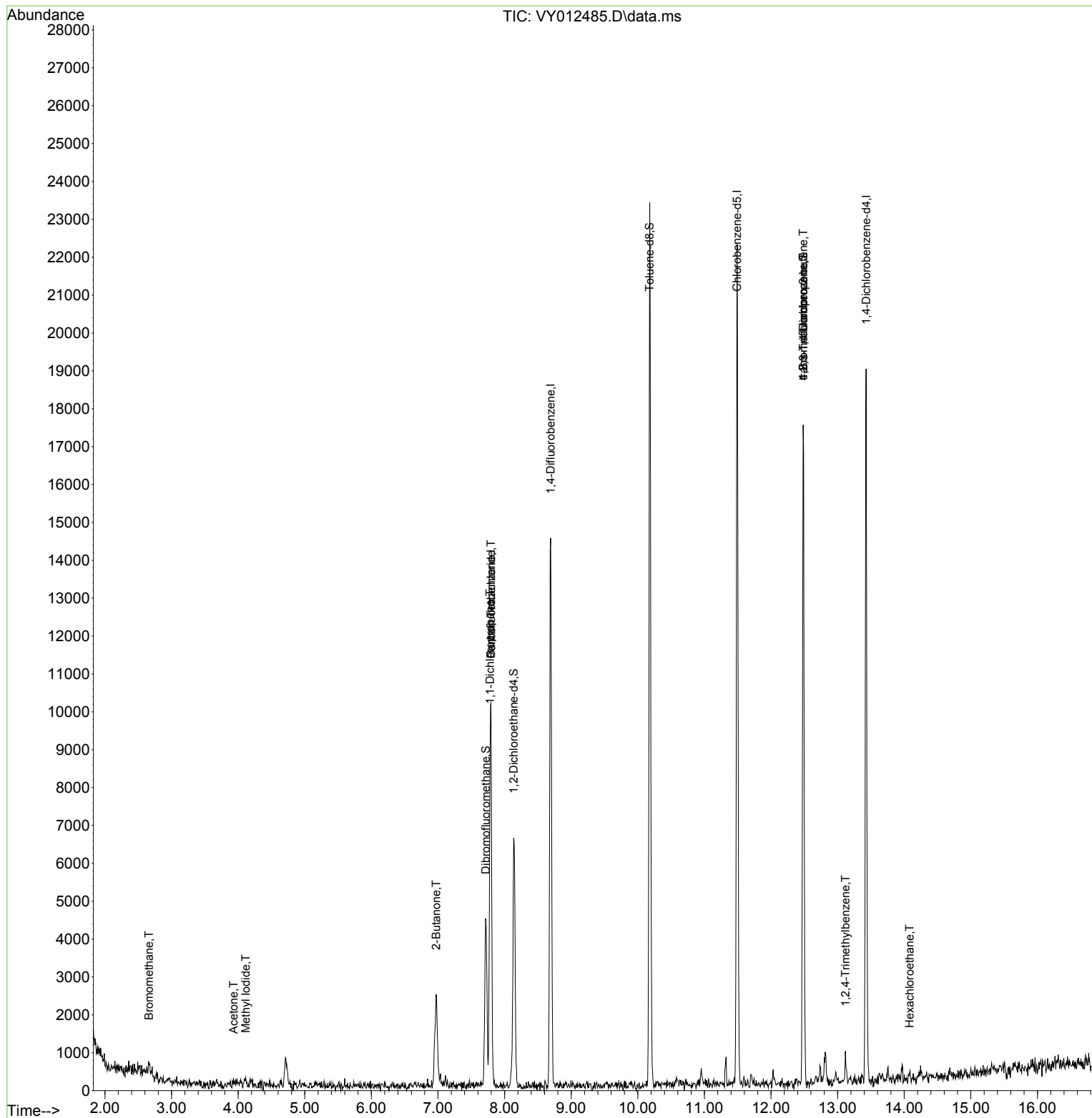
Target Compounds					Qvalue	
5) Bromomethane	2.662	94	90	1.420	ug/l #	58
10) Methyl Iodide	4.113	142	279	2.357	ug/l #	81
16) Acetone	3.930	43	292	12.042	ug/l #	40
20) Methylene Chloride	4.704	84	410	Below Cal	#	53
25) 2-Butanone	6.972	43	27	1.009	ug/l #	46
36) 1,1-Dichloropropene	7.783	75	592	4.745	ug/l #	41
38) Carbon Tetrachloride	7.795	117	793	4.921	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	2433	49.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2433	102.226	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	566	1.717	ug/l	89
90) Hexachloroethane	14.080	117	131	2.002	ug/l #	9

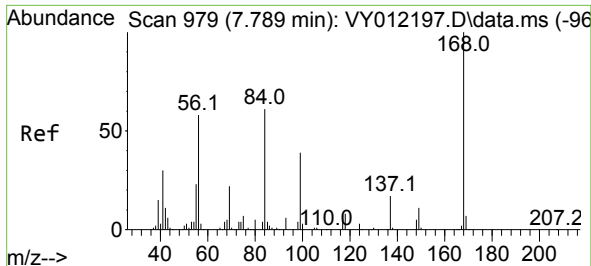
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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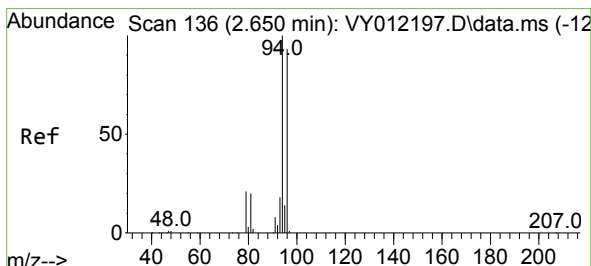
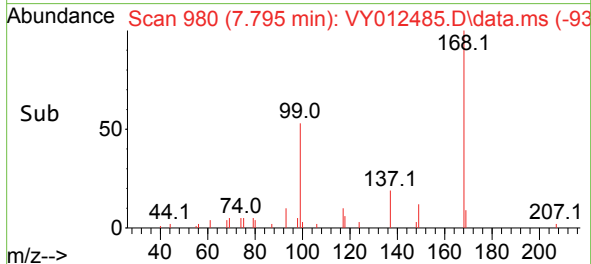
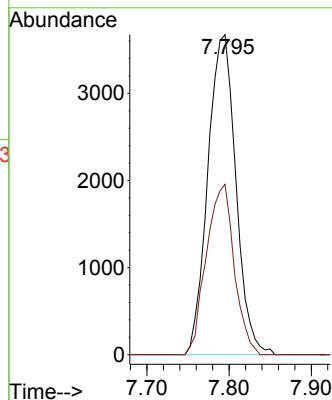
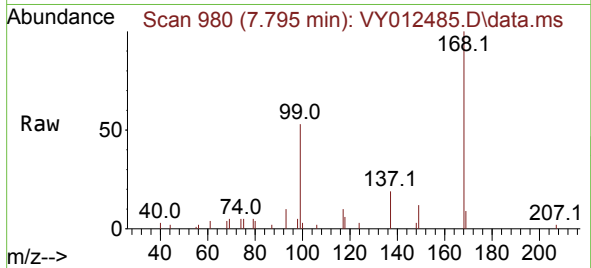




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

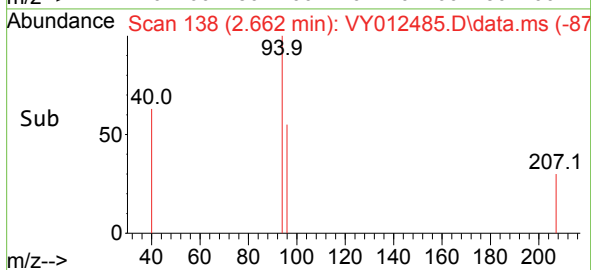
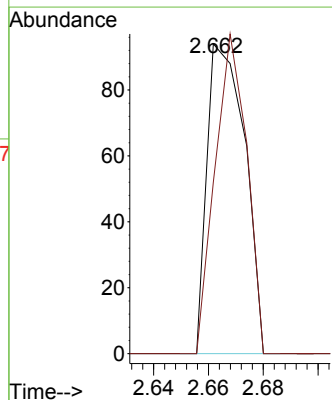
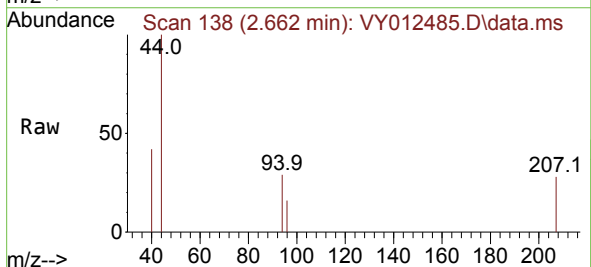
Instrument :
MSVOA_Y
ClientSampleId :

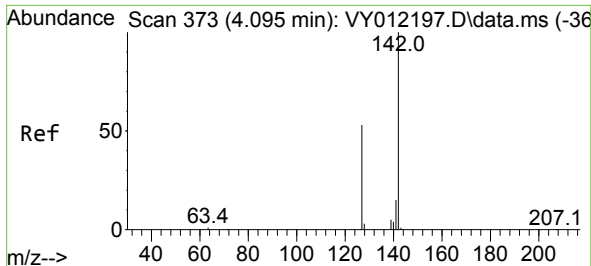
Tgt Ion:168 Resp: 8708
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#5
Bromomethane
Concen: 1.420 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

Tgt Ion: 94 Resp: 90
Ion Ratio Lower Upper
94 100
96 55.3 77.4 116.2#





#10

Methyl Iodide

Concen: 2.357 ug/l

RT: 4.113 min Scan# 31

Delta R.T. 0.018 min

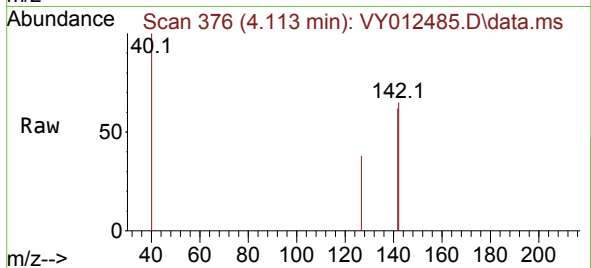
Lab File: VY012485.D

Acq: 03 Feb 2023 18:21

Instrument :

MSVOA_Y

ClientSampleId :



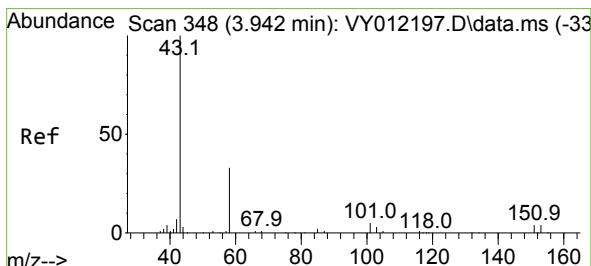
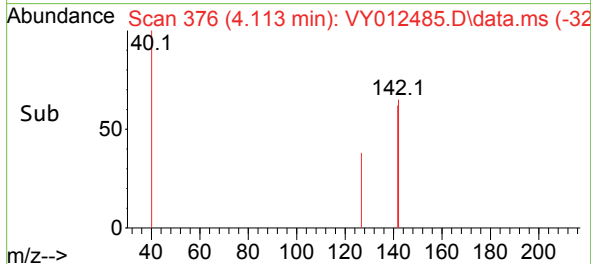
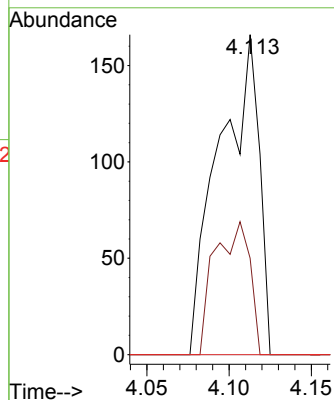
Tgt Ion:142 Resp: 279

Ion Ratio Lower Upper

142 100

127 36.6 37.0 55.4#

141 0.0 11.4 17.0#



#16

Acetone

Concen: 12.042 ug/l

RT: 3.930 min Scan# 346

Delta R.T. -0.012 min

Lab File: VY012485.D

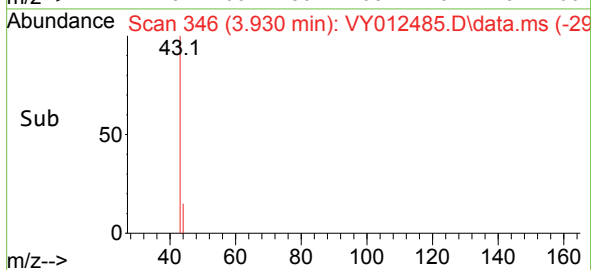
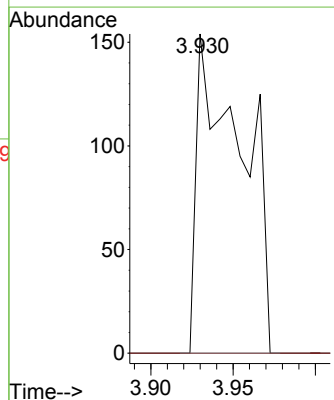
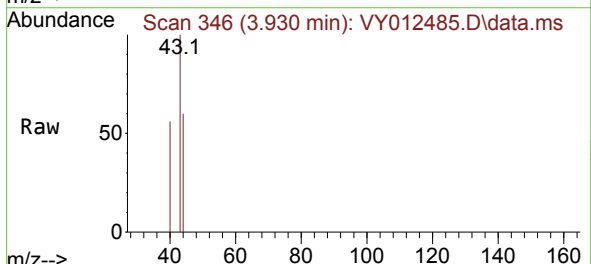
Acq: 03 Feb 2023 18:21

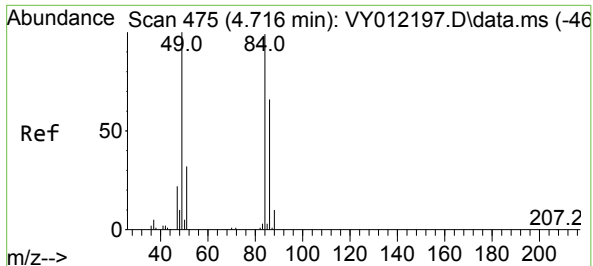
Tgt Ion: 43 Resp: 292

Ion Ratio Lower Upper

43 100

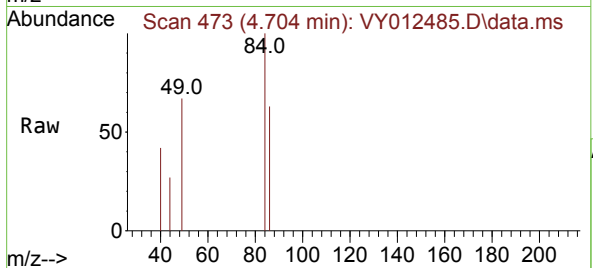
58 0.0 27.9 41.9#



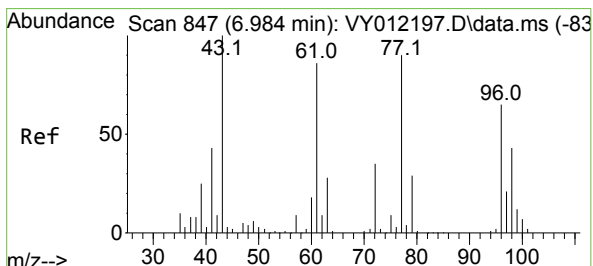
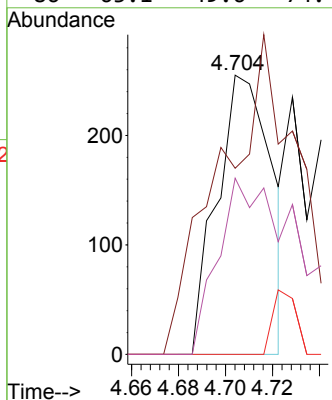
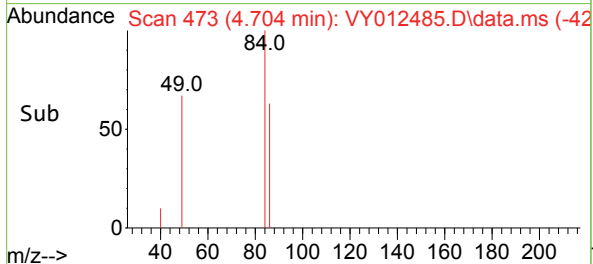


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

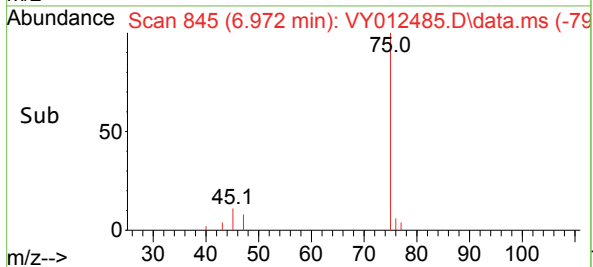
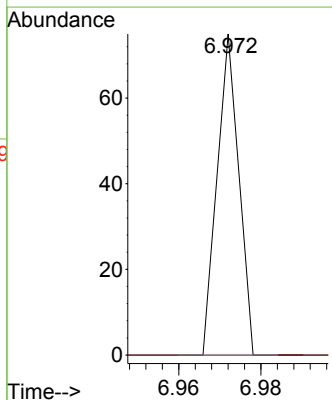
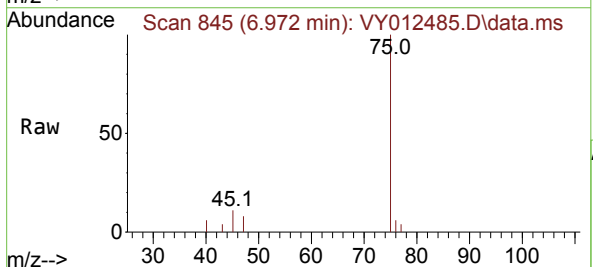


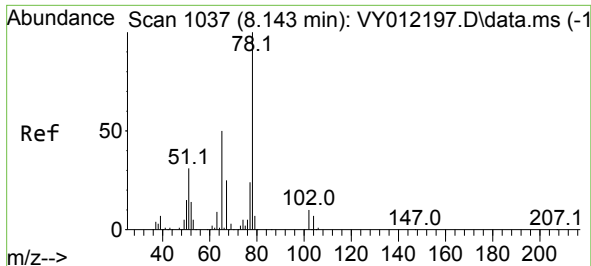
Tgt Ion: 84 Resp: 410
Ion Ratio Lower Upper
84 100
49 46.3 95.4 143.2#
51 0.0 29.9 44.9#
86 63.1 49.6 74.4



#25
2-Butanone
Concen: 1.009 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#

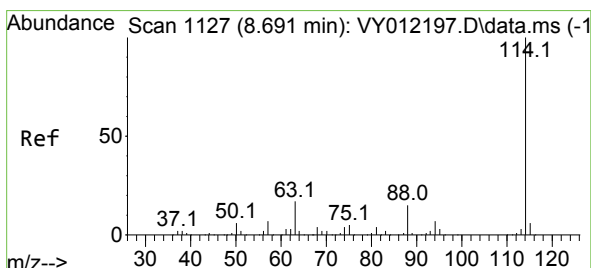
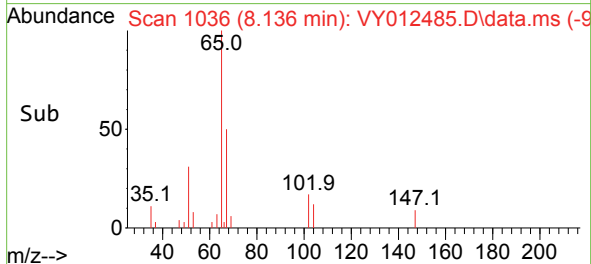
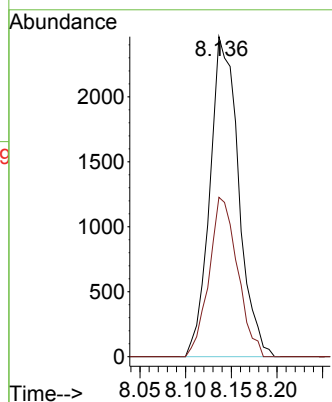
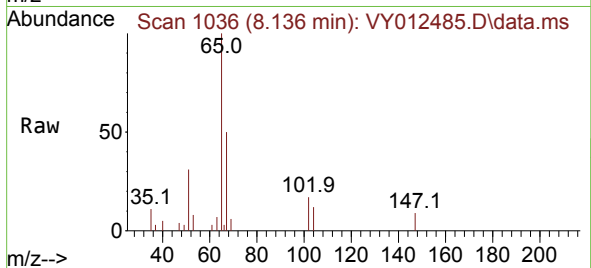




#33
 1,2-Dichloroethane-d4
 Concen: 76.646 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.007 min
 Lab File: VY012485.D
 Acq: 03 Feb 2023 18:21

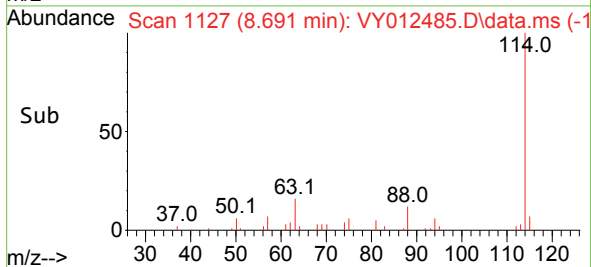
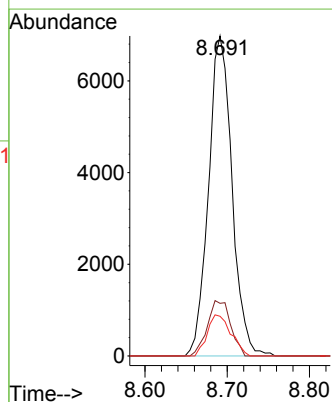
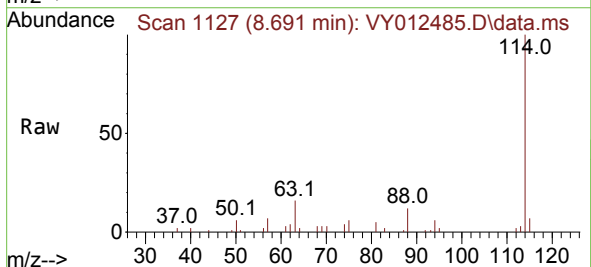
Instrument :
 MSVOA_Y
 ClientSampleId :

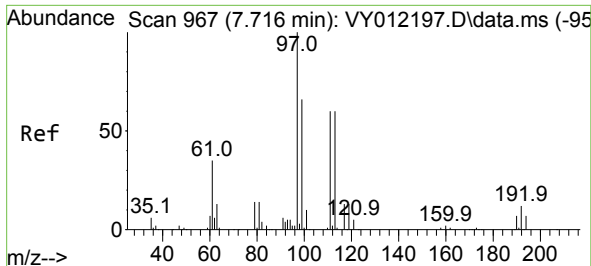
Tgt Ion: 65 Resp: 5381
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012485.D
 Acq: 03 Feb 2023 18:21

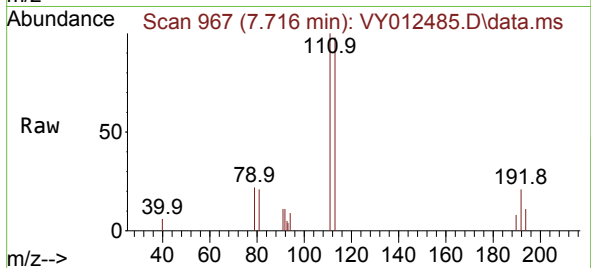
Tgt Ion:114 Resp: 13865
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 39.6
 88 12.4 0.0 32.2



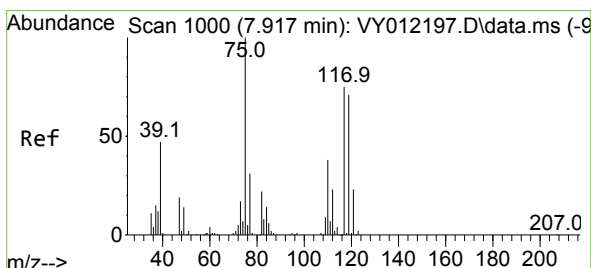
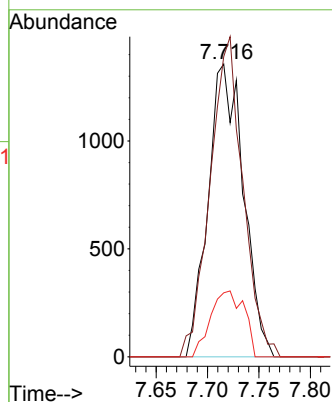
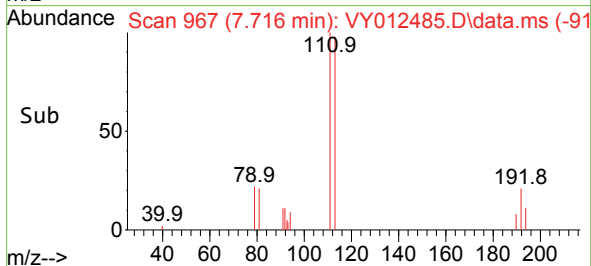


#35
Dibromofluoromethane
Concen: 44.255 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

Instrument :
MSVOA_Y
ClientSampleId :

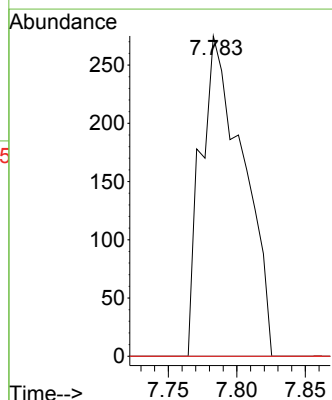
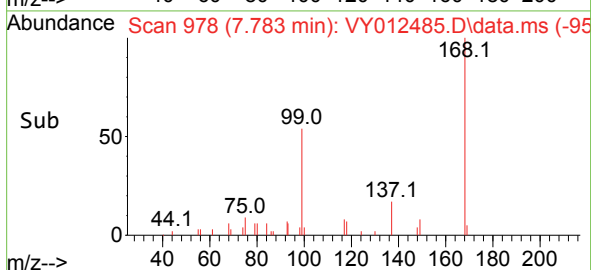
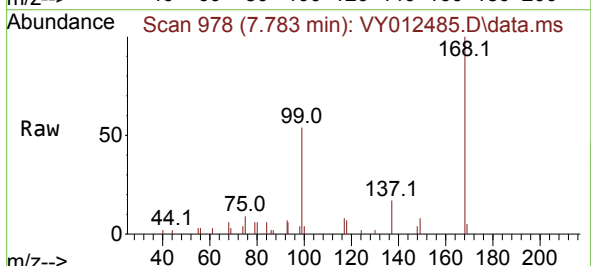


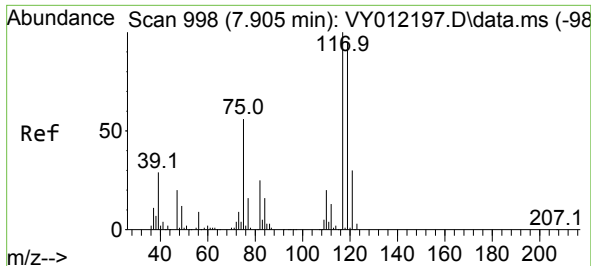
Tgt Ion:113 Resp: 3249
Ion Ratio Lower Upper
113 100
111 101.2 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.745 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

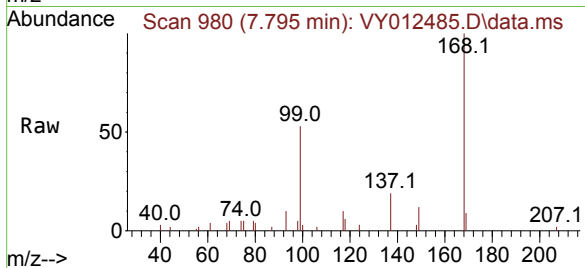
Tgt Ion: 75 Resp: 592
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#



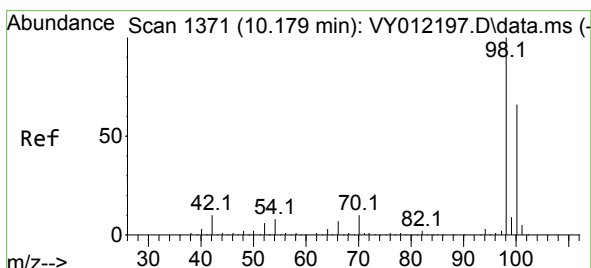
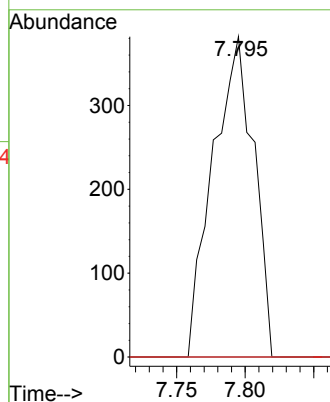
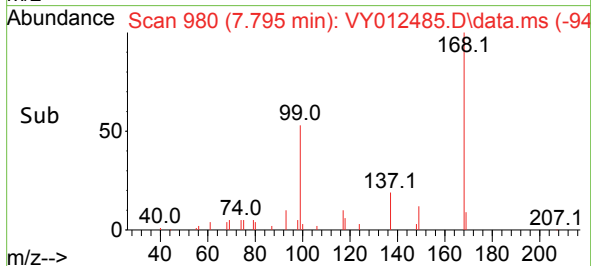


#38
Carbon Tetrachloride
Concen: 4.921 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

Instrument :
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ClientSampleId :

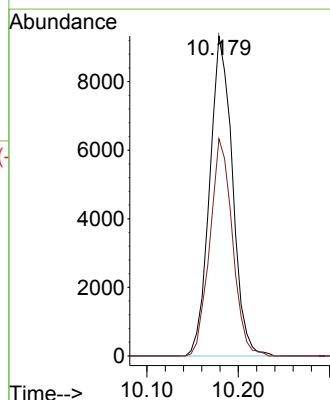
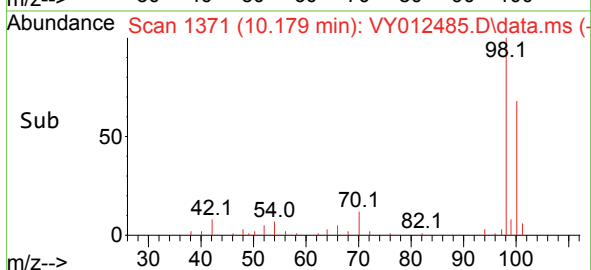
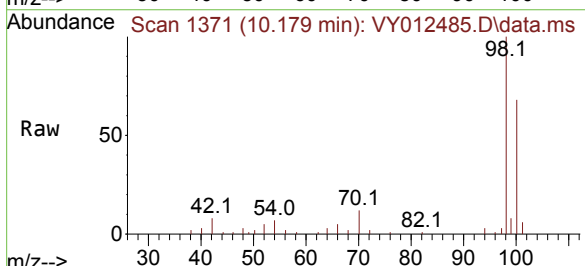


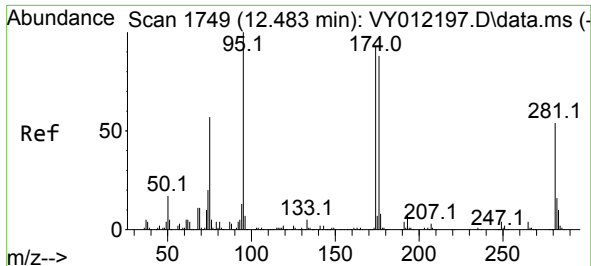
Tgt Ion:117 Resp: 793
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 64.727 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

Tgt Ion: 98 Resp: 16140
Ion Ratio Lower Upper
98 100
100 67.4 51.9 77.9

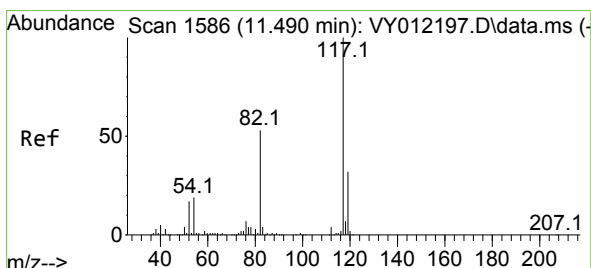
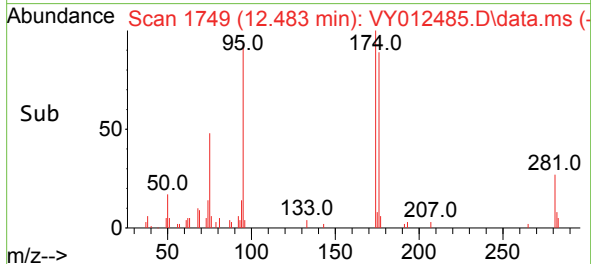
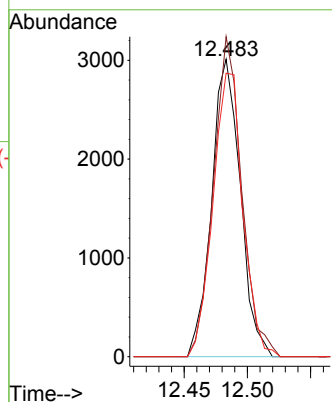
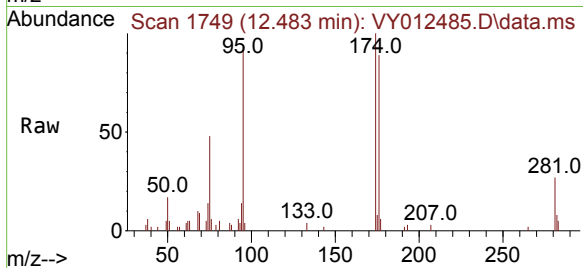




#62
4-Bromofluorobenzene
Concen: 45.906 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

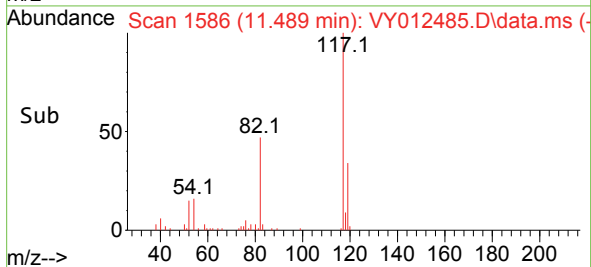
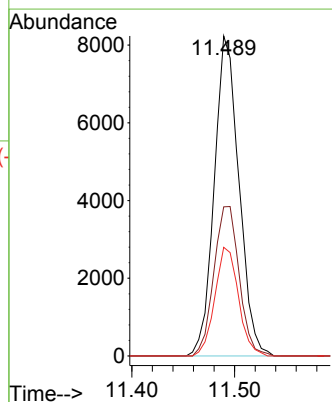
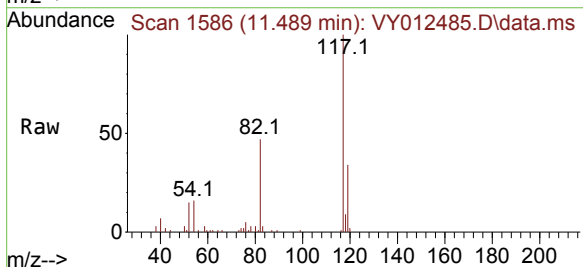
Instrument :
MSVOA_Y
ClientSampleId :

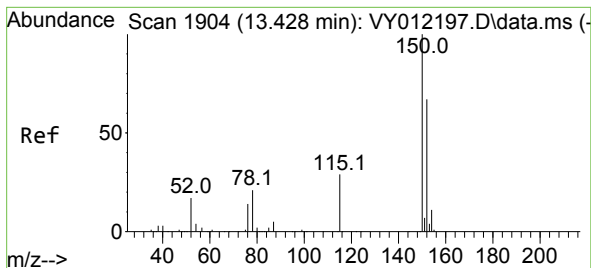
Tgt Ion: 95 Resp: 4751
Ion Ratio Lower Upper
95 100
174 106.0 0.0 172.0
176 99.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

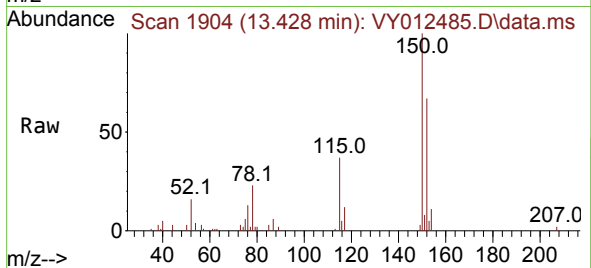
Tgt Ion: 117 Resp: 13731
Ion Ratio Lower Upper
117 100
82 46.6 44.8 67.2
119 34.0 25.4 38.2



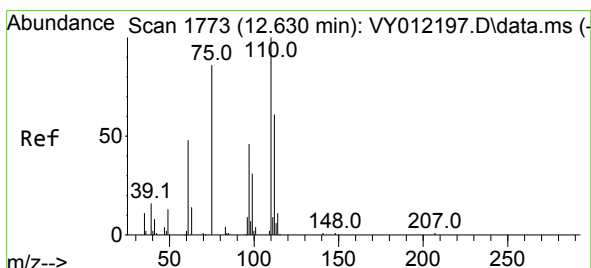
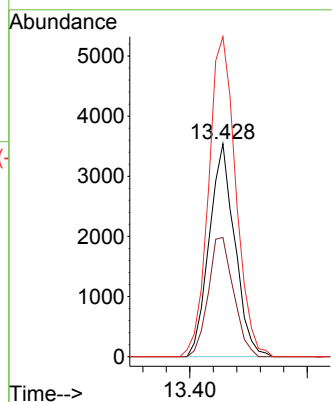
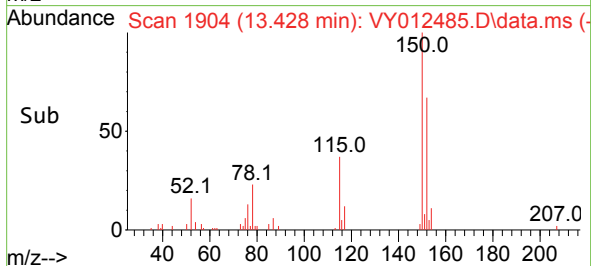


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY012485.D
 Acq: 03 Feb 2023 18:21

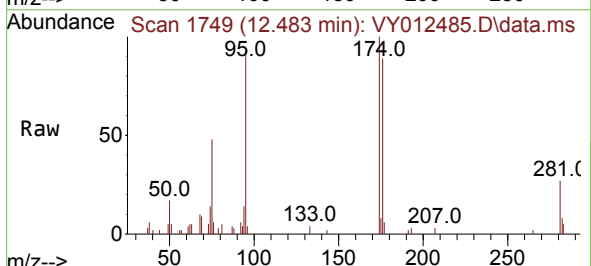
Instrument :
 MSVOA_Y
 ClientSampleId :



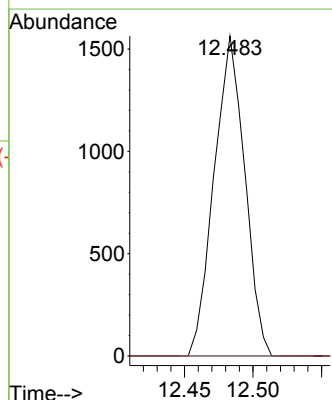
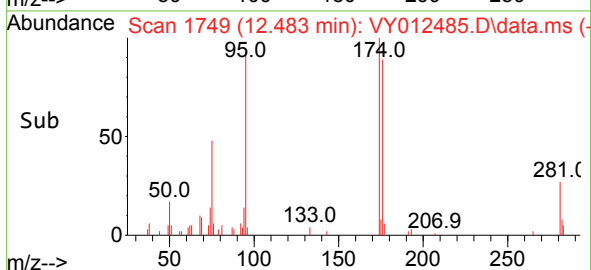
Tgt Ion:152 Resp: 5333
 Ion Ratio Lower Upper
 152 100
 115 55.7 29.1 87.3
 150 160.2 0.0 342.6

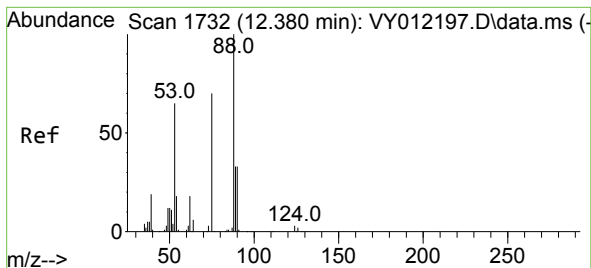


#76
 1,2,3-Trichloropropane
 Concen: 49.614 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012485.D
 Acq: 03 Feb 2023 18:21



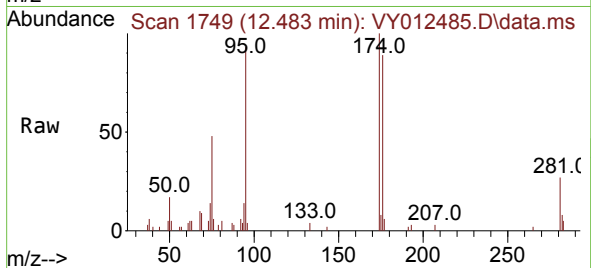
Tgt Ion: 75 Resp: 2433
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



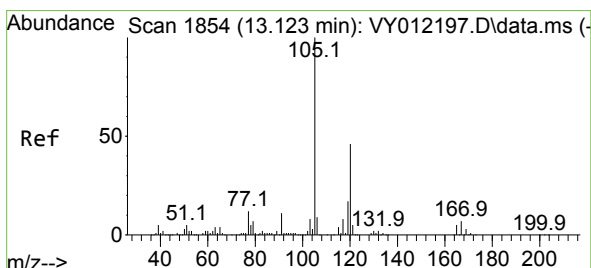
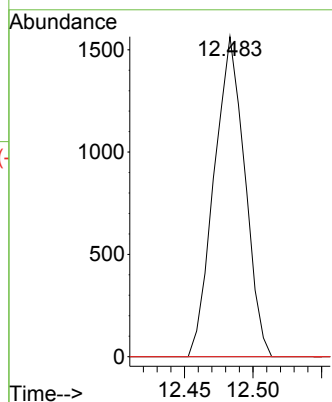
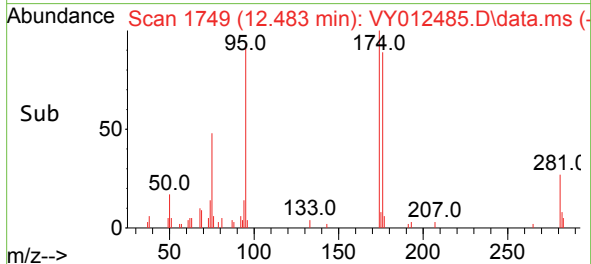


#81
trans-1,4-Dichloro-2-butene
Concen: 102.226 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21

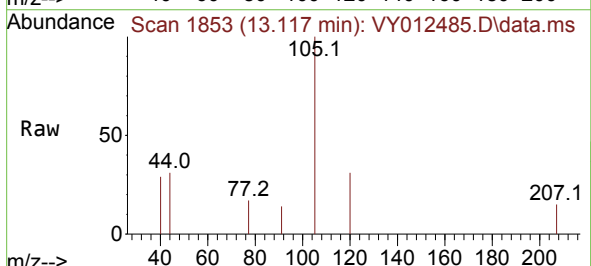
Instrument :
MSVOA_Y
ClientSampleId :



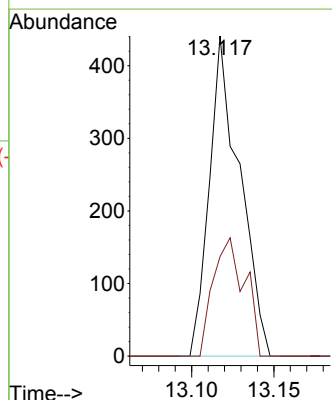
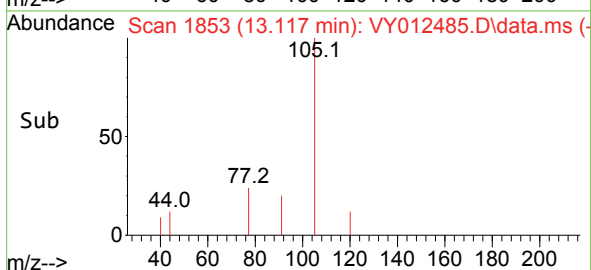
Tgt Ion: 75 Resp: 2433
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

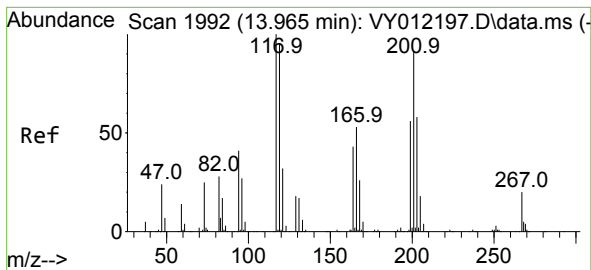


#84
1,2,4-Trimethylbenzene
Concen: 1.717 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY012485.D
Acq: 03 Feb 2023 18:21



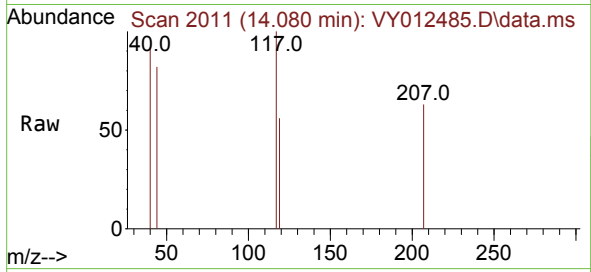
Tgt Ion: 105 Resp: 566
Ion Ratio Lower Upper
105 100
120 38.5 22.9 68.7





#90
 Hexachloroethane
 Concen: 2.002 ug/l
 RT: 14.080 min Scan# 20
 Delta R.T. 0.121 min
 Lab File: VY012485.D
 Acq: 03 Feb 2023 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:117 Resp: 131
 Ion Ratio Lower Upper
 117 100
 201 0.0 40.3 120.8#

