

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013492.D
 Acq On : 27 Apr 2023 15:20
 Operator : KP/MD
 Sample : 02483-03RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP2RE

Quant Time: Apr 27 16:14:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

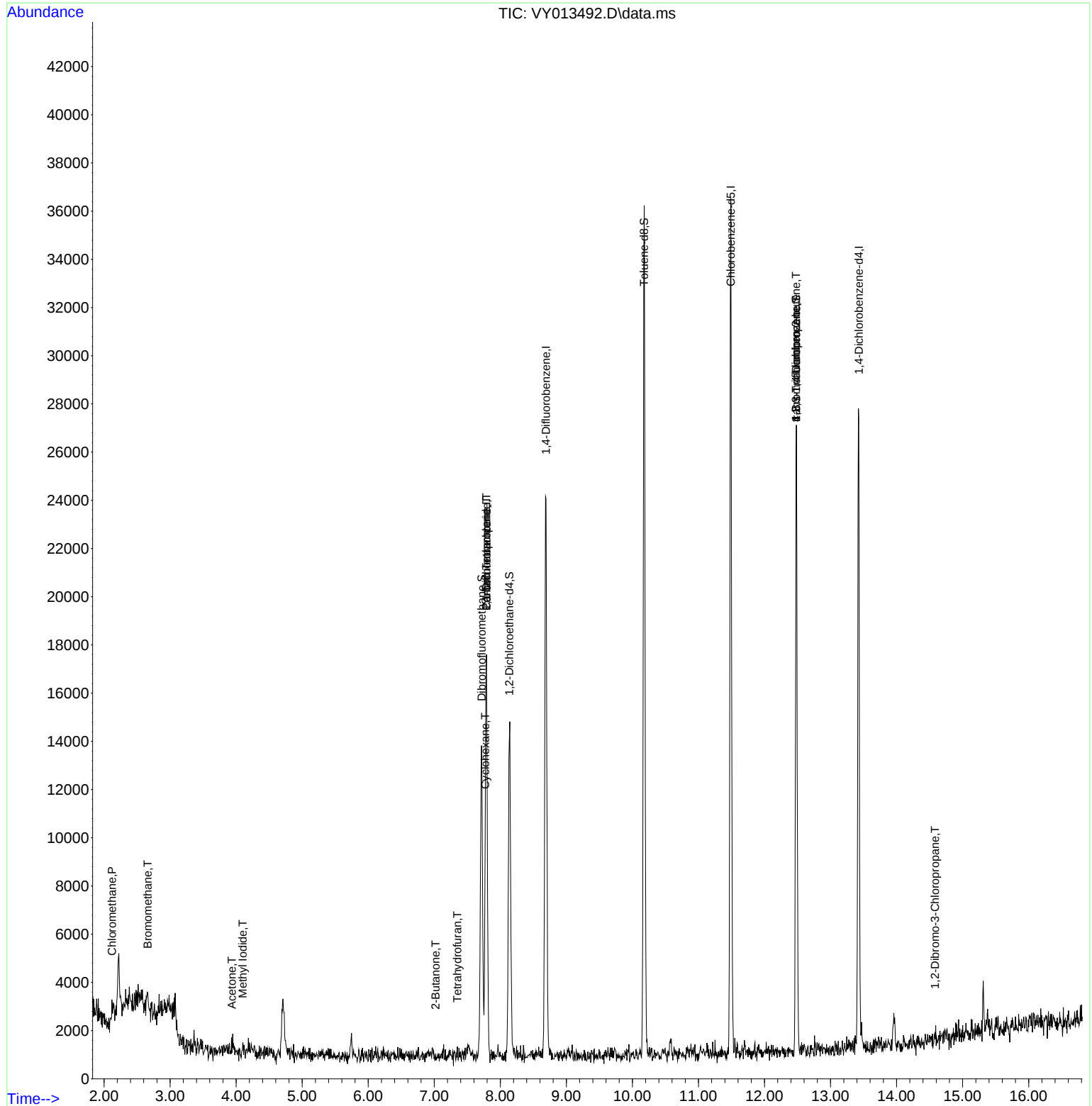
Internal Standards						
1) Pentafluorobenzene	7.789	168	12565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	20498	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	19333	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7278	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	11905	86.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 172.860%#	
35) Dibromofluoromethane	7.716	113	9185	71.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.480%	
50) Toluene-d8	10.179	98	24427	53.261	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.520%	
62) 4-Bromofluorobenzene	12.477	95	6871	44.439	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	268	1.674	ug/l #	85
5) Bromomethane	2.662	94	202	1.590	ug/l	94
10) Methyl Iodide	4.101	142	234	1.375	ug/l #	49
13) Acrolein	3.832	56	63	Below Cal	#	16
16) Acetone	3.936	43	256	4.719	ug/l #	43
25) 2-Butanone	7.021	43	93	1.352	ug/l #	47
29) Tetrahydrofuran	7.350	42	67	1.565	ug/l #	32
31) Cyclohexane	7.771	56	297	1.204	ug/l #	2
36) 1,1-Dichloropropene	7.789	75	1034	4.833	ug/l #	43
38) Carbon Tetrachloride	7.789	117	1163	5.186	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	3800	38.715	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3800	79.194	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.580	75	33	1.389	ug/l #	1

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

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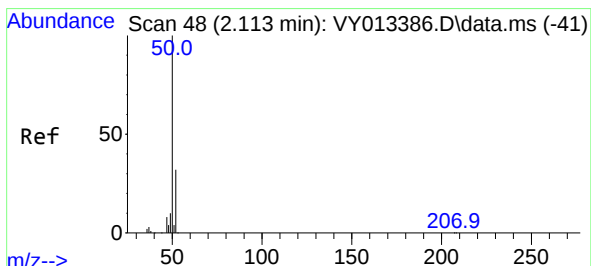
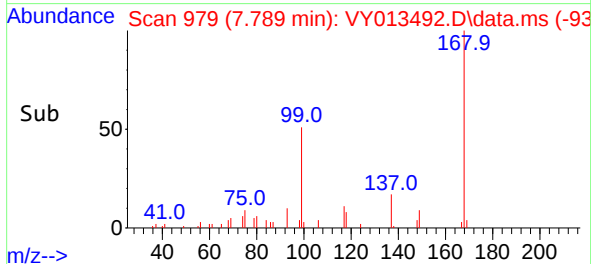
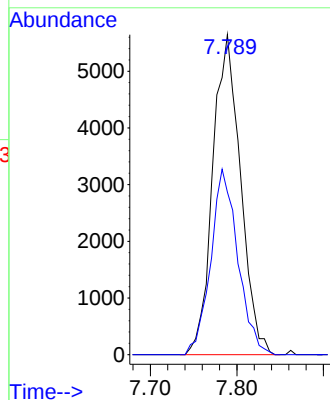
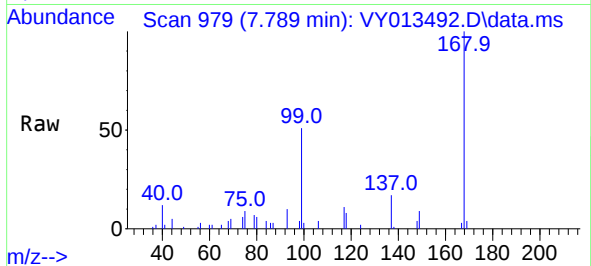




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

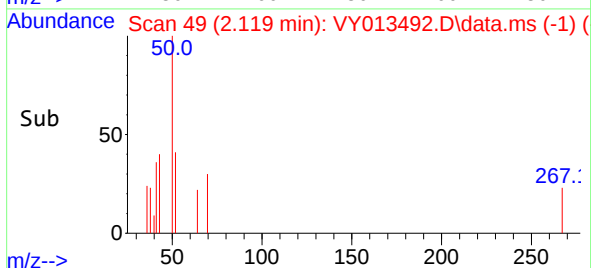
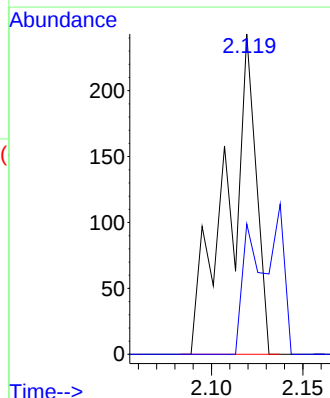
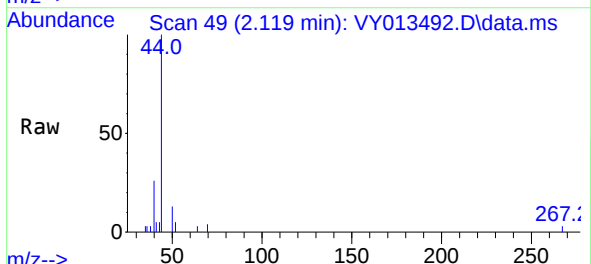
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP2RE

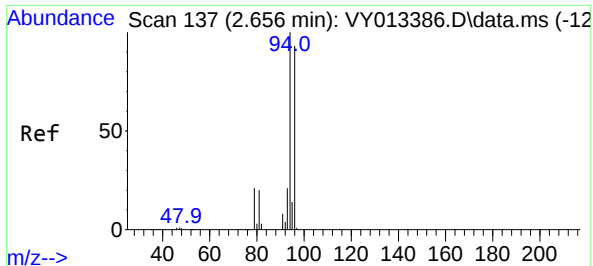
Tgt Ion:168 Resp: 12565
Ion Ratio Lower Upper
168 100
99 50.8 41.8 62.6



#3
Chloromethane
Concen: 1.674 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion: 50 Resp: 268
Ion Ratio Lower Upper
50 100
52 40.7 25.9 38.9#

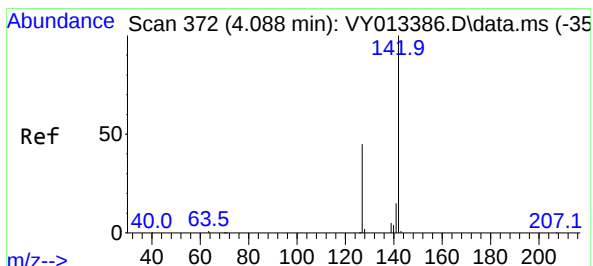
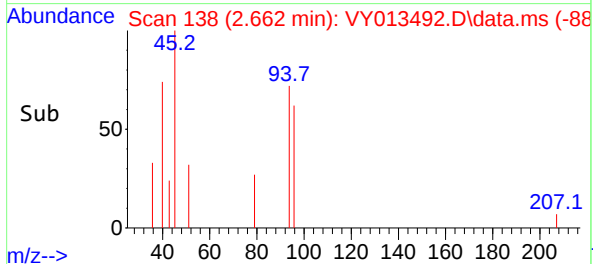
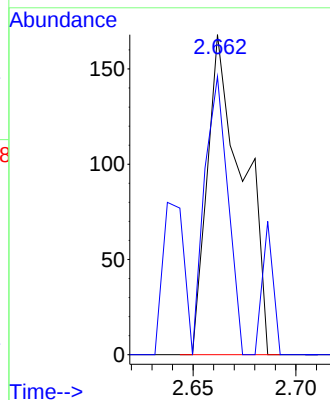
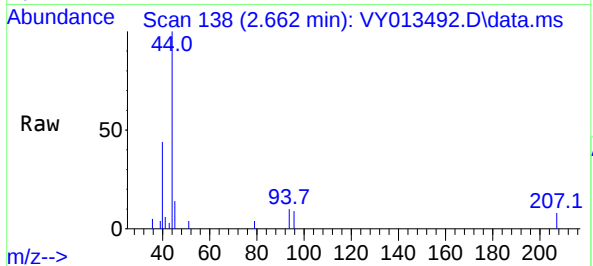




#5
Bromomethane
Concen: 1.590 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

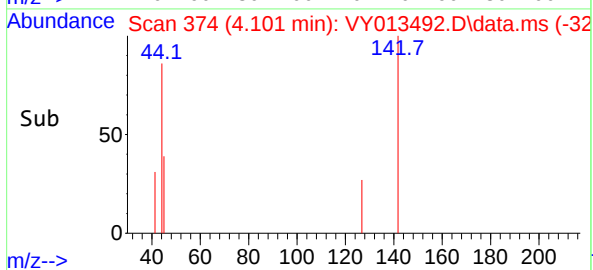
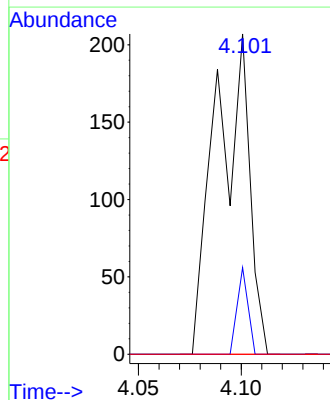
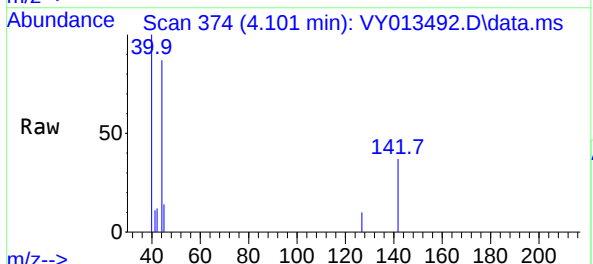
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP2RE

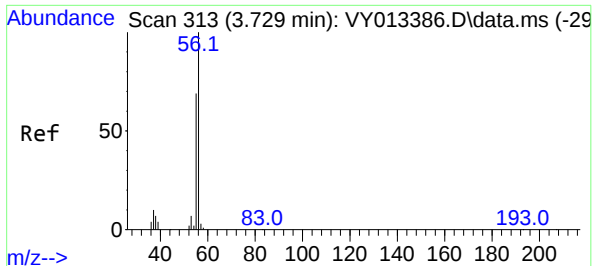
Tgt Ion: 94 Resp: 202
Ion Ratio Lower Upper
94 100
96 86.9 74.2 111.2



#10
Methyl Iodide
Concen: 1.375 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion: 142 Resp: 234
Ion Ratio Lower Upper
142 100
127 8.5 36.1 54.1#
141 0.0 11.6 17.4#

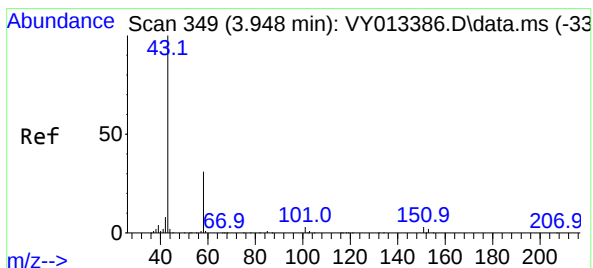
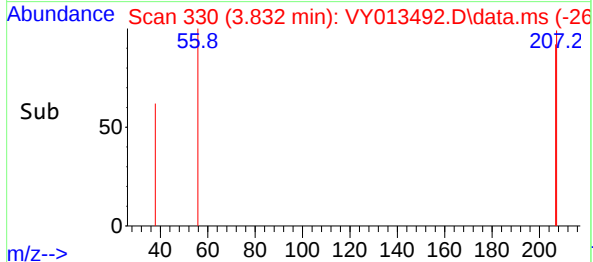
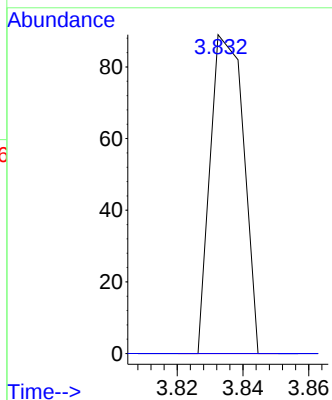
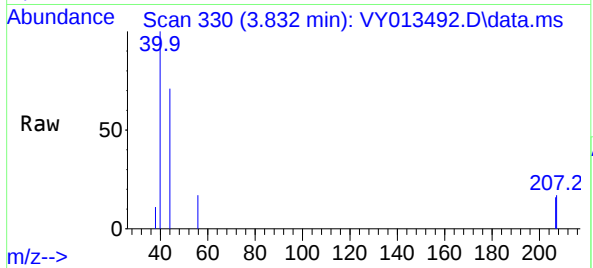




#13
Acrolein
Concen: Below Cal
RT: 3.832 min Scan# 313
Delta R.T. 0.103 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

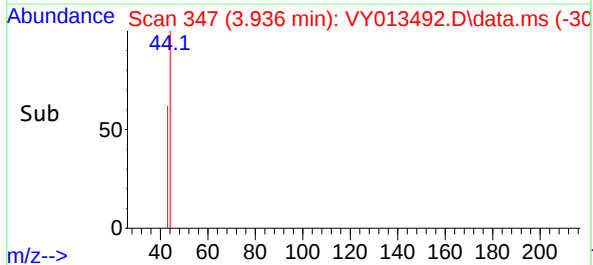
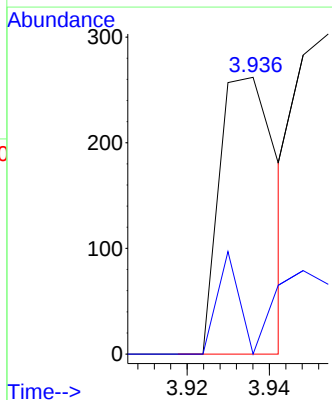
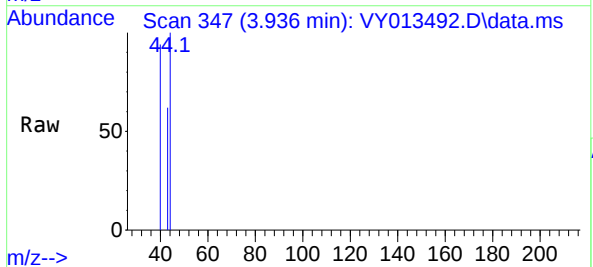
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP2RE

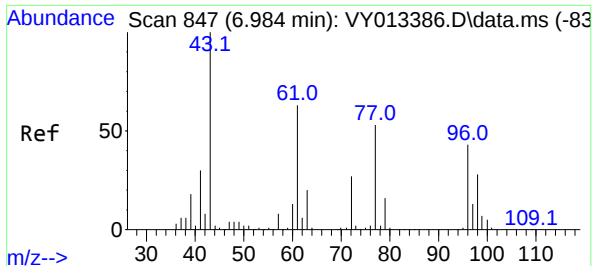
Tgt Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 4.719 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion: 43 Resp: 256
Ion Ratio Lower Upper
43 100
58 0.0 25.4 38.0#





#25

2-Butanone

Concen: 1.352 ug/l

RT: 7.021 min Scan# 81

Delta R.T. 0.037 min

Lab File: VY013492.D

Acq: 27 Apr 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

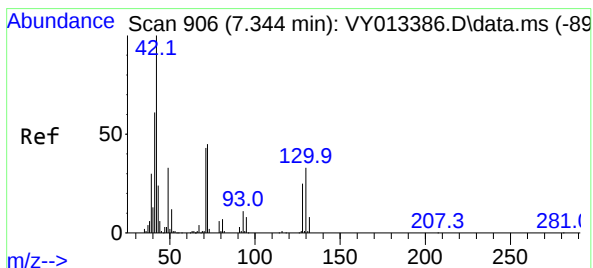
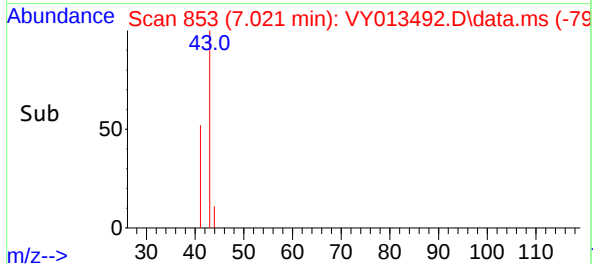
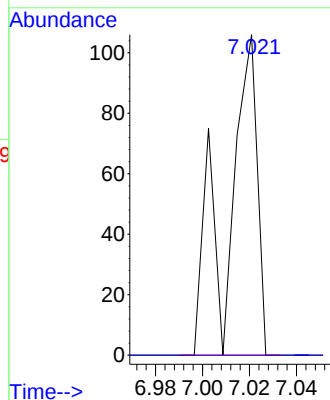
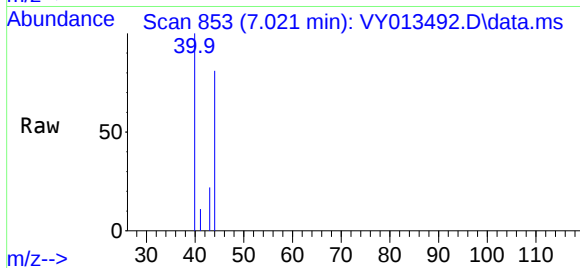
S2S-TP2RE

Tgt Ion: 43 Resp: 93

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#29

Tetrahydrofuran

Concen: 1.565 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY013492.D

Acq: 27 Apr 2023 15:20

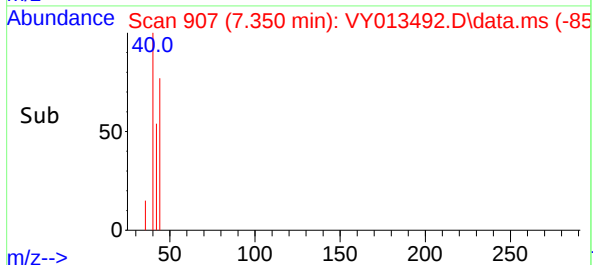
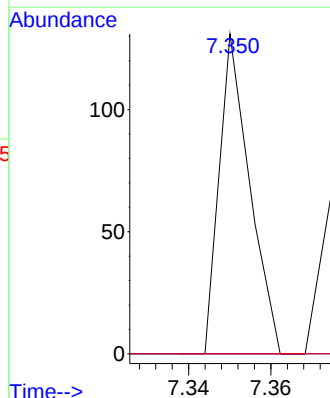
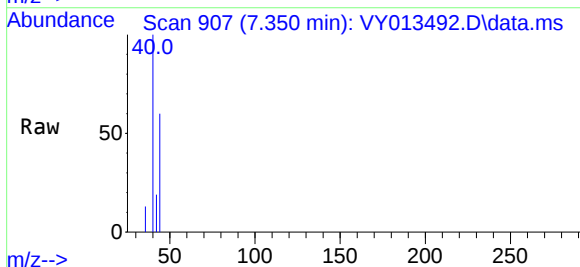
Tgt Ion: 42 Resp: 67

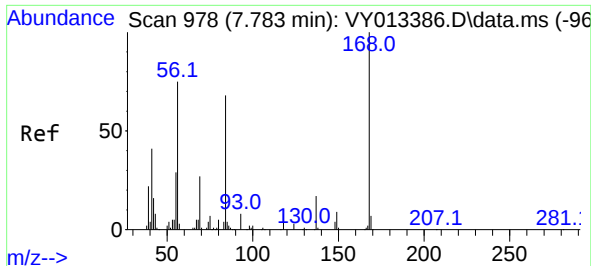
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

71 0.0 34.3 51.5#

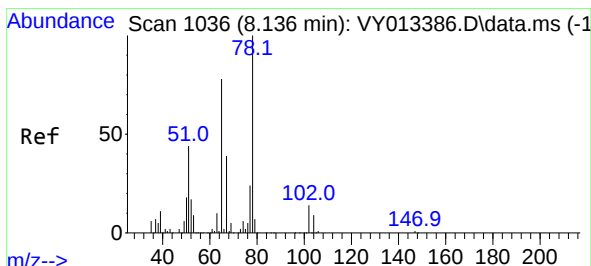
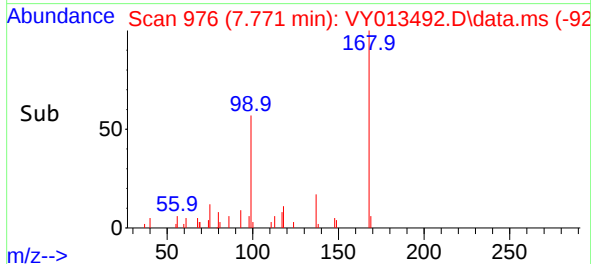
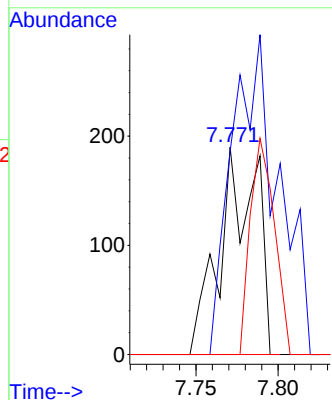
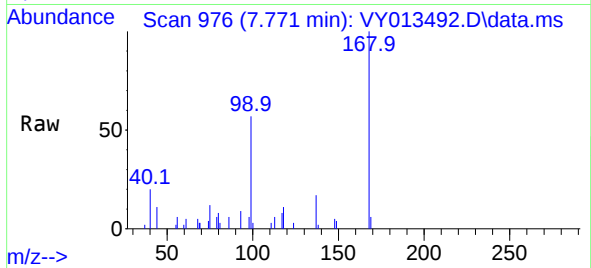




#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

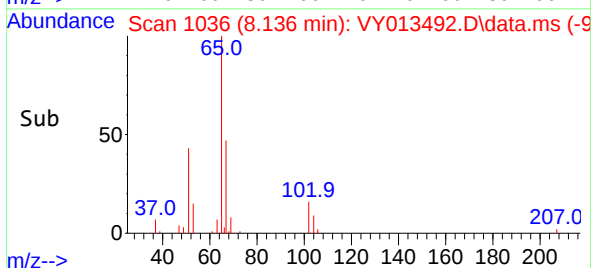
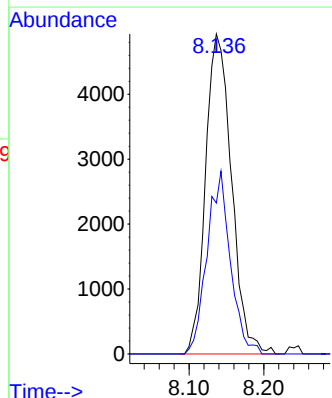
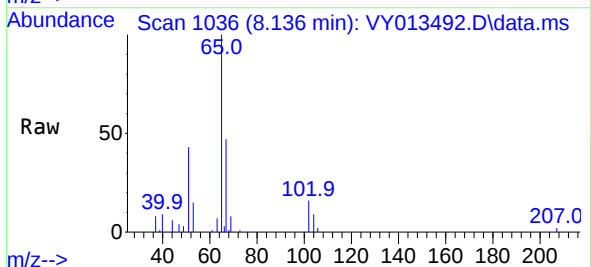
Instrument :
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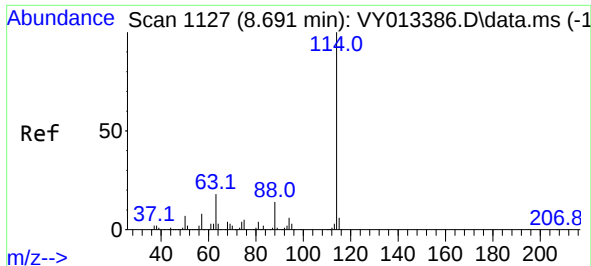
Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
69 97.9 29.2 43.8#
84 0.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 86.431 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion: 65 Resp: 11905
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013492.D

Acq: 27 Apr 2023 15:20

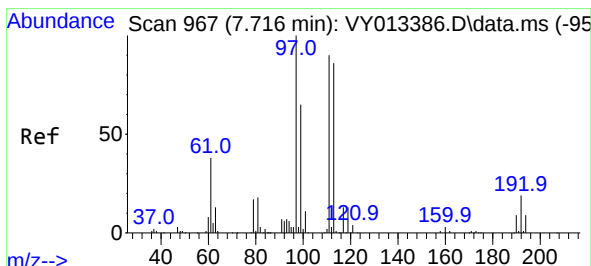
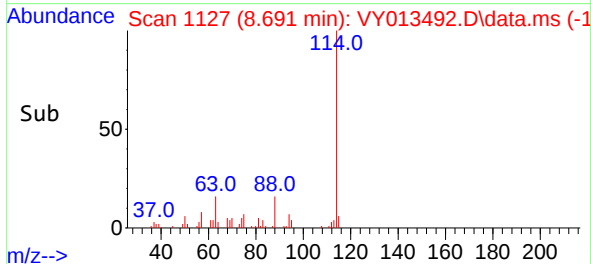
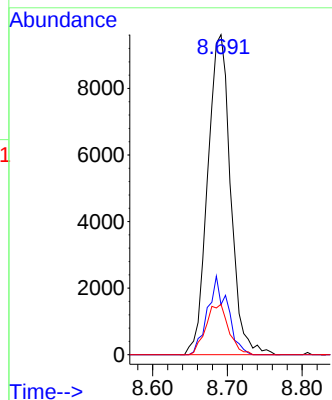
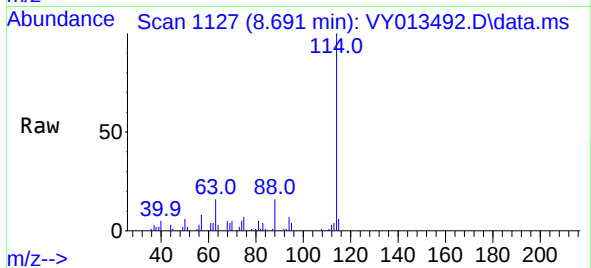
Instrument :

MSVOA_Y

ClientSampleId :

S2S-TP2RE

Tgt Ion:	114	Resp:	20498
Ion	Ratio	Lower	Upper
114	100		
63	15.6	0.0	36.6
88	15.7	0.0	28.8



#35

Dibromofluoromethane

Concen: 71.244 ug/l

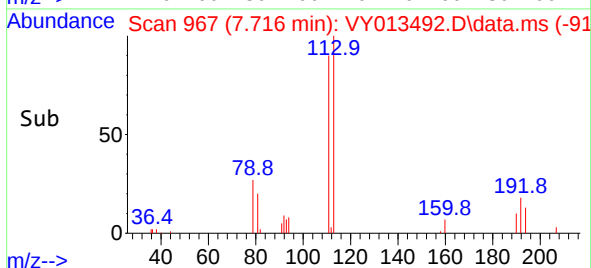
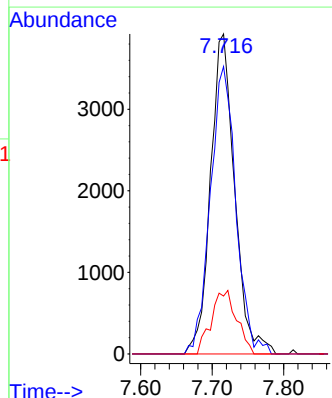
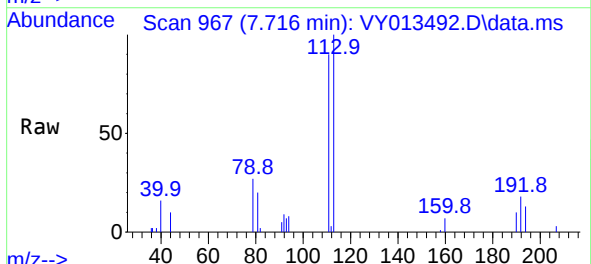
RT: 7.716 min Scan# 967

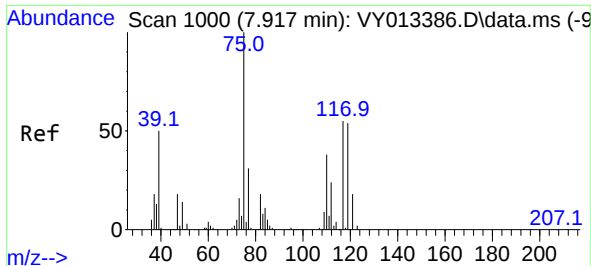
Delta R.T. -0.000 min

Lab File: VY013492.D

Acq: 27 Apr 2023 15:20

Tgt Ion:	113	Resp:	9185
Ion	Ratio	Lower	Upper
113	100		
111	95.3	82.2	123.2
192	20.8	16.7	25.1

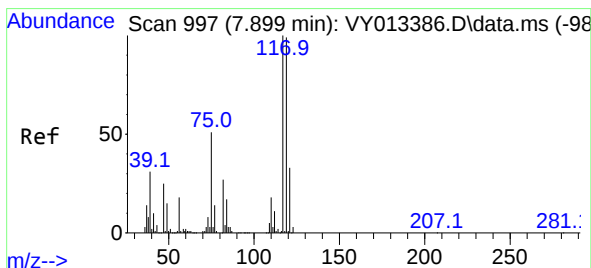
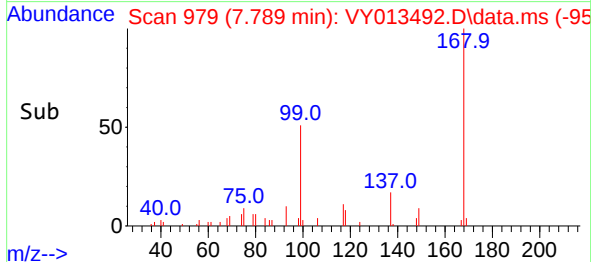
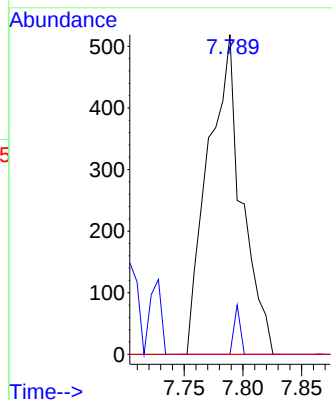
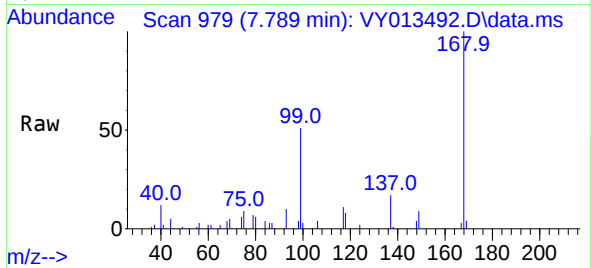




#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

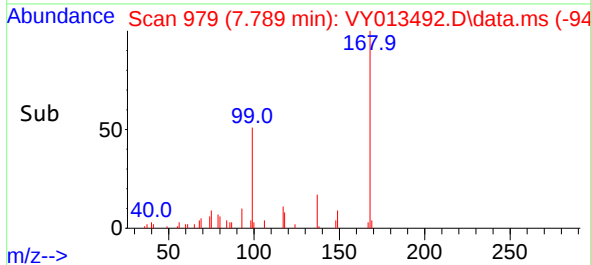
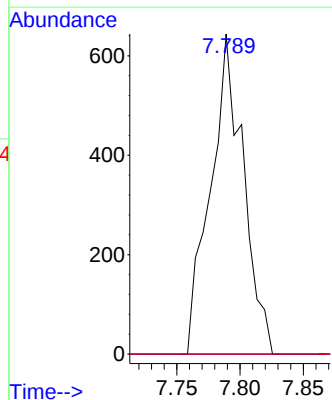
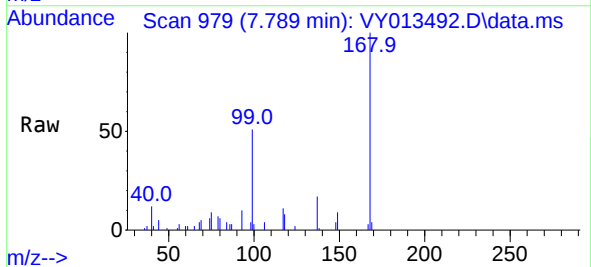
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP2RE

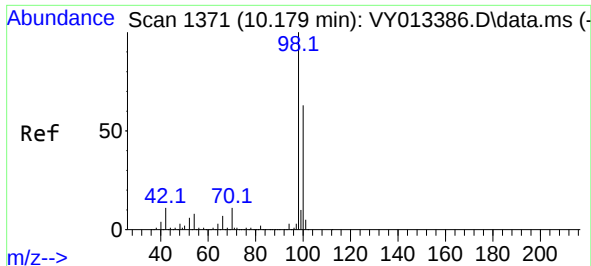
Tgt Ion: 75 Resp: 1034
Ion Ratio Lower Upper
75 100
110 2.8 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.186 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion: 117 Resp: 1163
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#

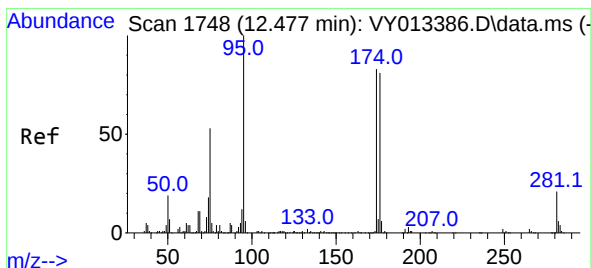
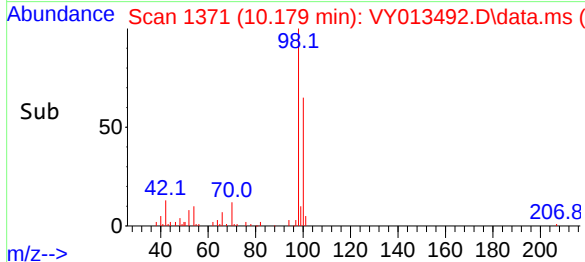
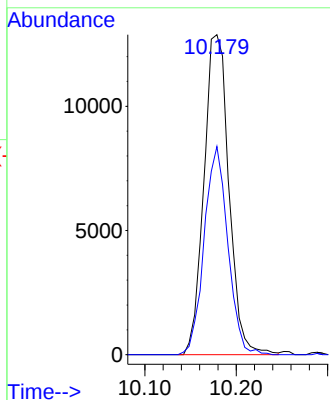
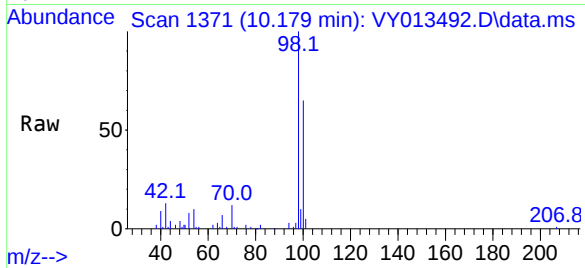




#50
Toluene-d8
Concen: 53.261 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

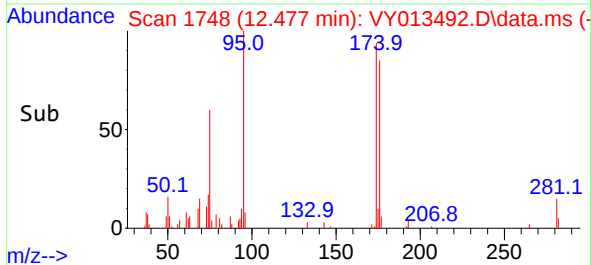
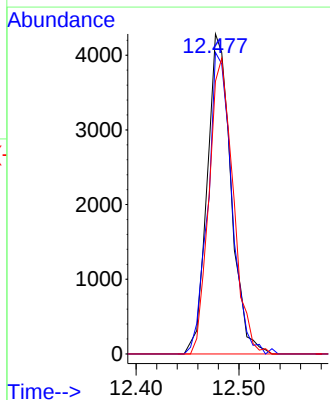
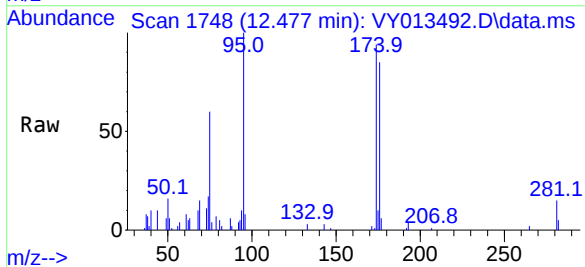
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP2RE

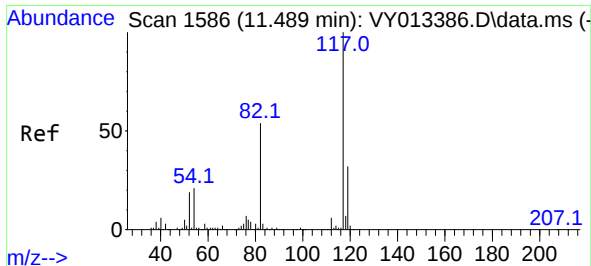
Tgt Ion: 98 Resp: 24427
Ion Ratio Lower Upper
98 100
100 61.6 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 44.439 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion: 95 Resp: 6871
Ion Ratio Lower Upper
95 100
174 94.8 0.0 182.0
176 94.0 0.0 175.4

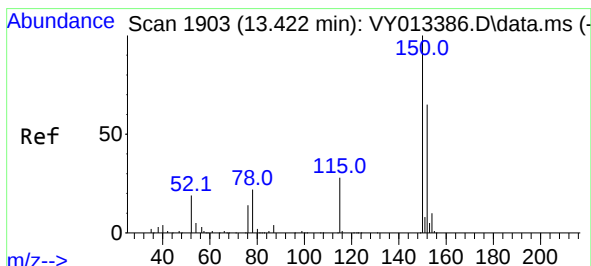
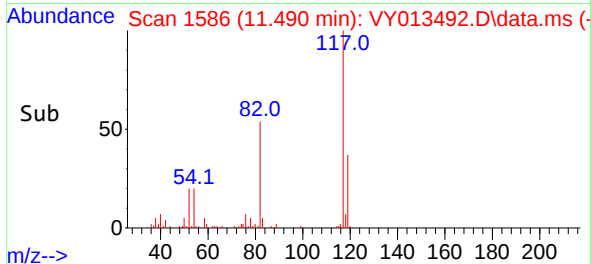
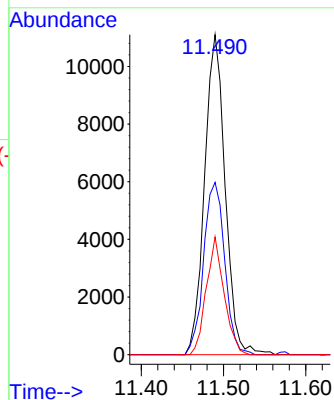
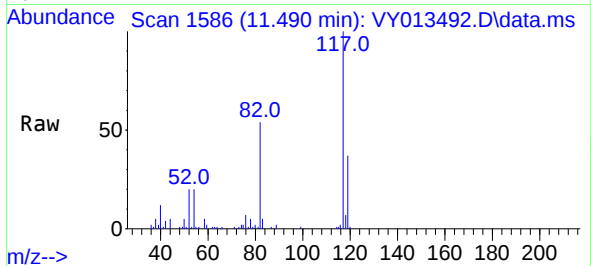




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

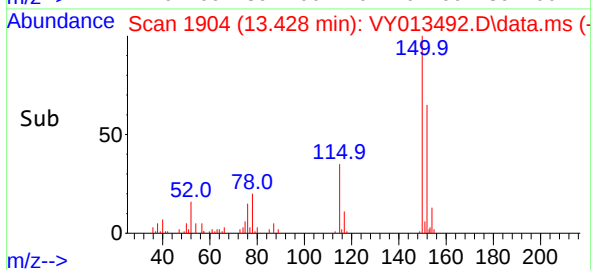
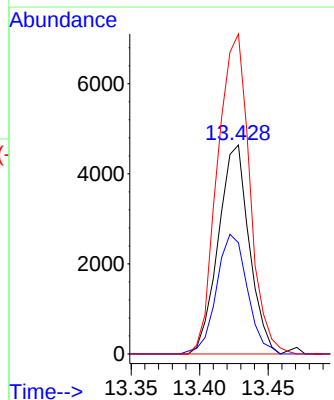
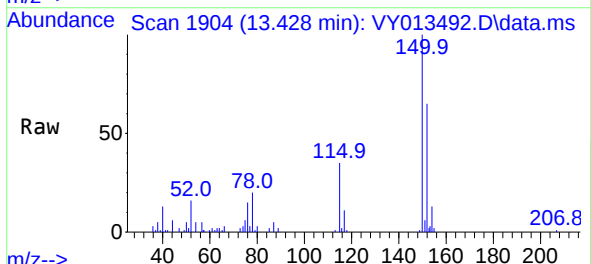
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP2RE

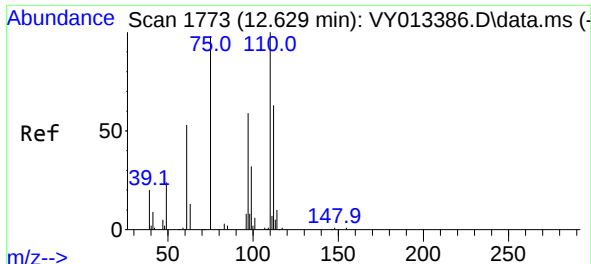
Tgt Ion:	117	Resp:	19333
Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.0	64.6
119	36.8	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion:	152	Resp:	7278
Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.1	84.2
150	159.5	0.0	352.0

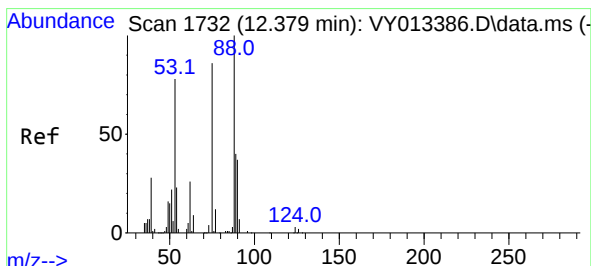
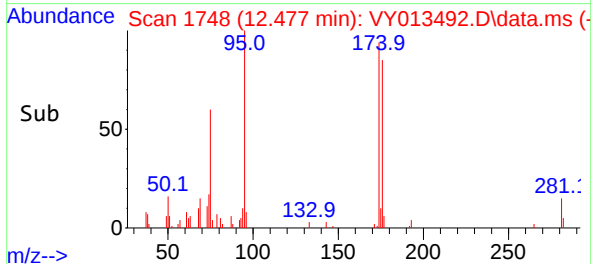
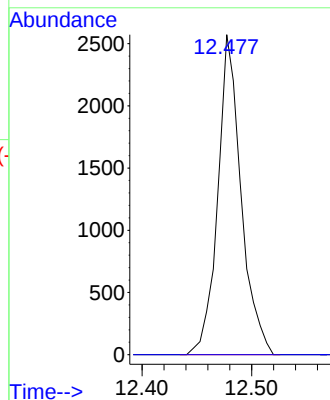
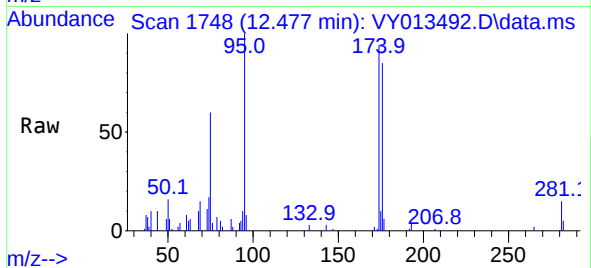




#76
1,2,3-Trichloropropane
Concen: 38.715 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

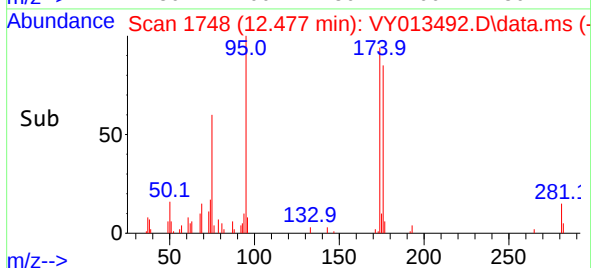
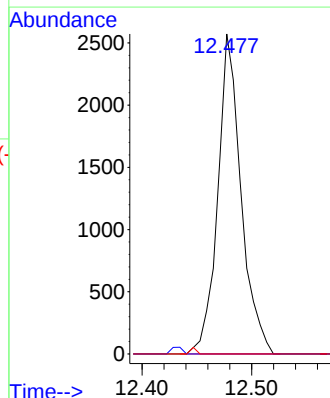
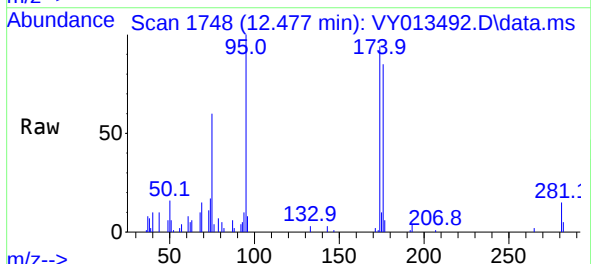
Instrument :
MSVOA_Y
ClientSampleId :
S2S-TP2RE

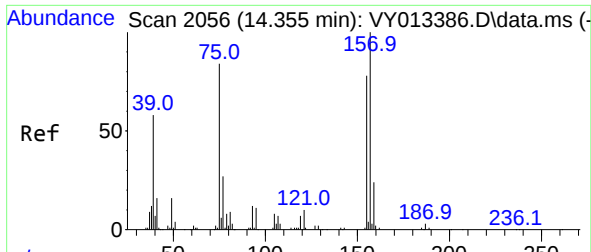
Tgt Ion: 75 Resp: 3800
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 79.194 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013492.D
Acq: 27 Apr 2023 15:20

Tgt Ion: 75 Resp: 3800
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.389 ug/l
 RT: 14.580 min Scan# 20
 Delta R.T. 0.225 min
 Lab File: VY013492.D
 Acq: 27 Apr 2023 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2S-TP2RE

Tgt Ion: 75 Resp: 33
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.6 134.0#
 157 0.0 57.6 172.7#

