

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020223\
 Data File : VY012463.D
 Acq On : 02 Feb 2023 18:11
 Operator : KP/MD
 Sample : 01383-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2876

Quant Time: Feb 03 03:13:41 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)

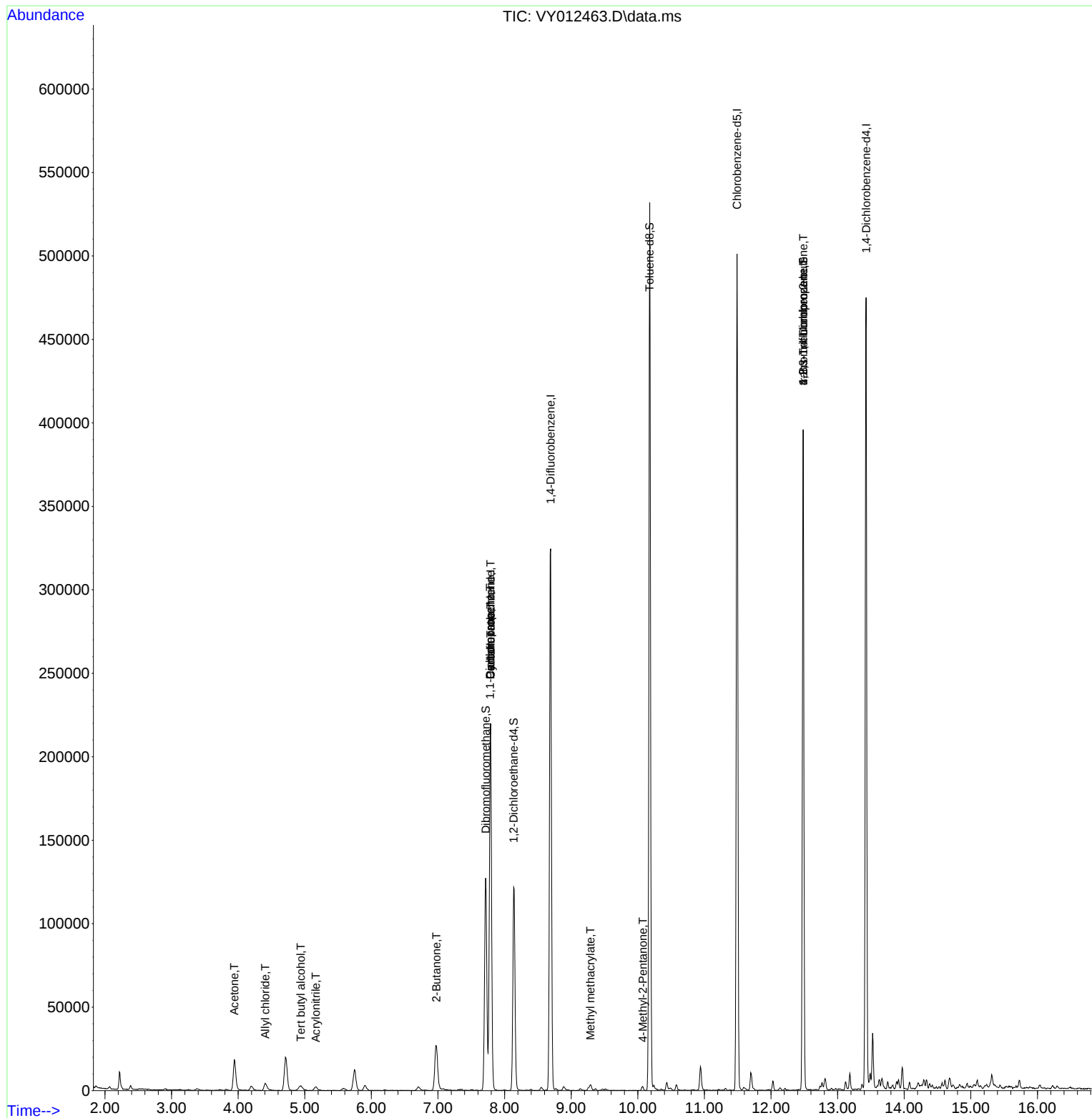
Internal Standards						
1) Pentafluorobenzene	7.789	168	173380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128311	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	101552	72.427	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.860%	
35) Dibromofluoromethane	7.716	113	87155	56.656	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.320%	
50) Toluene-d8	10.179	98	346775	66.490	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 132.980%	
62) 4-Bromofluorobenzene	12.483	95	114019	52.578	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	5168	18.923	ug/l #	89
13) Acrolein	3.723	56	514	Below Cal	#	67
14) Allyl chloride	4.405	41	7477	3.797	ug/l #	38
15) Acrylonitrile	5.167	53	3156	7.620	ug/l	98
16) Acetone	3.942	43	30872	63.946	ug/l	95
25) 2-Butanone	6.978	43	4469	8.385	ug/l	98
31) Cyclohexane	7.789	56	3329	1.317	ug/l #	19
36) 1,1-Dichloropropene	7.783	75	11495	4.397	ug/l #	51
38) Carbon Tetrachloride	7.789	117	17467	5.173	ug/l #	18
48) Methyl methacrylate	9.289	41	1999	2.023	ug/l	86
51) 4-Methyl-2-Pentanone	10.075	43	1480	1.294	ug/l #	84
76) 1,2,3-Trichloropropane	12.483	75	59194	50.170	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59194	103.373	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

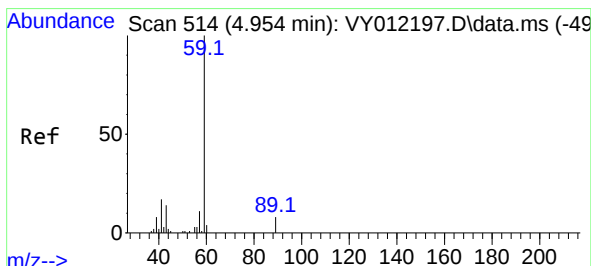
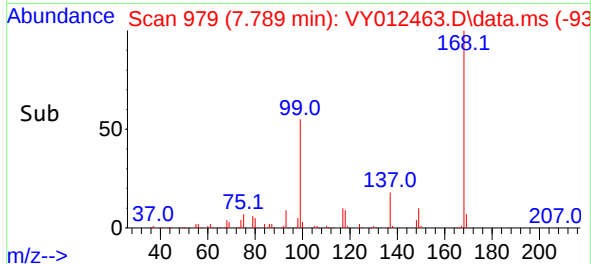
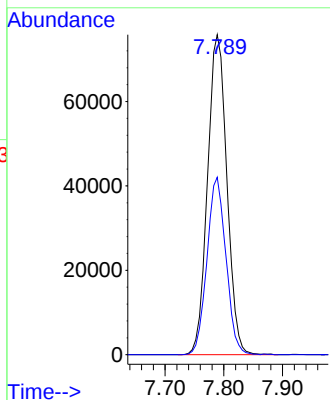
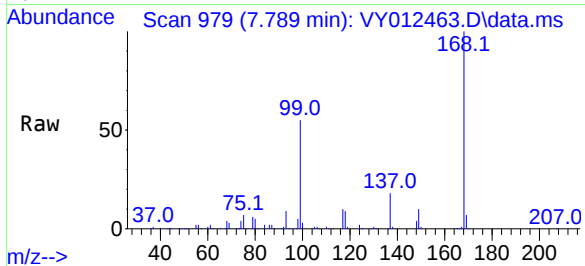




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

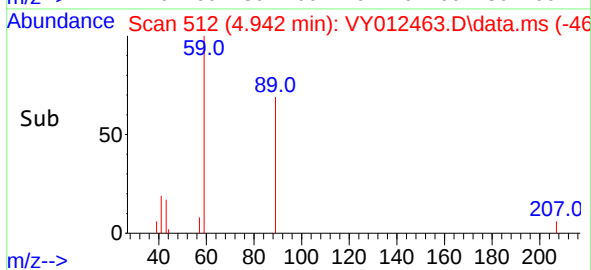
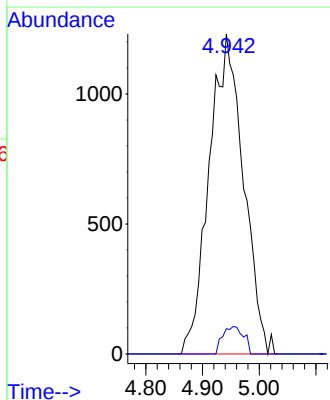
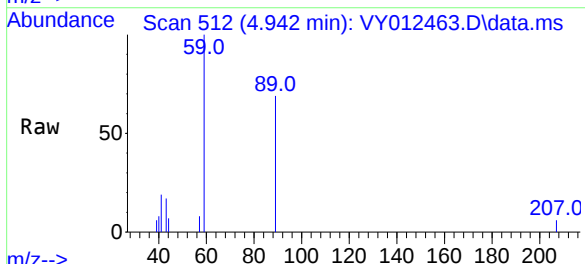
Instrument :
MSVOA_Y
ClientSampleId :
2876

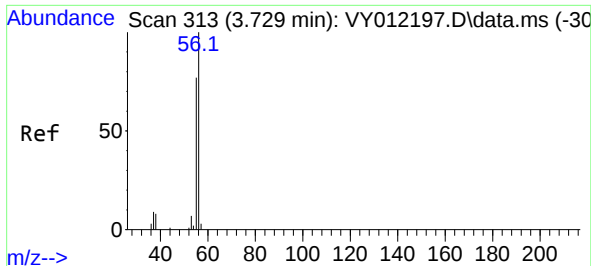
Tgt Ion:168 Resp: 173380
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0



#11
Tert butyl alcohol
Concen: 18.923 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

Tgt Ion: 59 Resp: 5168
Ion Ratio Lower Upper
59 100
57 5.2 7.4 11.2#





#13

Acrolein

Concen: Below Cal

RT: 3.723 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY012463.D

Acq: 02 Feb 2023 18:11

Instrument :

MSVOA_Y

ClientSampleId :

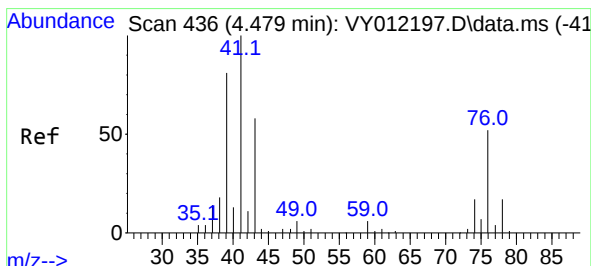
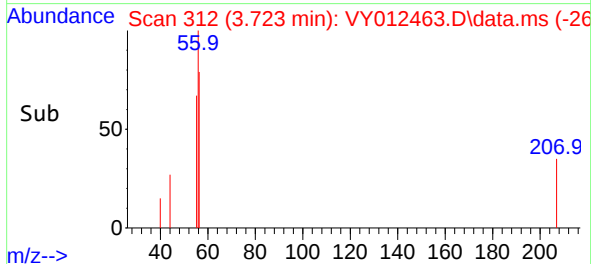
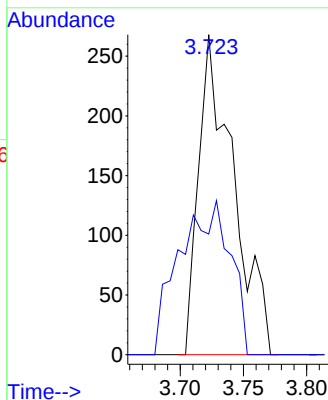
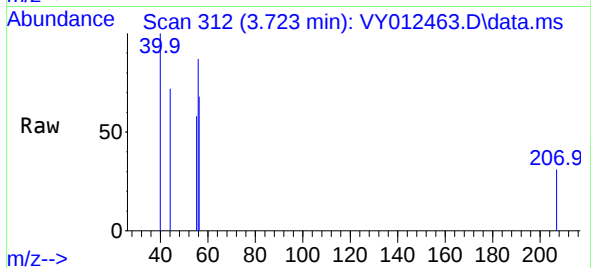
2876

Tgt Ion: 56 Resp: 514

Ion Ratio Lower Upper

56 100

55 43.8 56.6 85.0#



#14

Allyl chloride

Concen: 3.797 ug/l

RT: 4.405 min Scan# 424

Delta R.T. -0.074 min

Lab File: VY012463.D

Acq: 02 Feb 2023 18:11

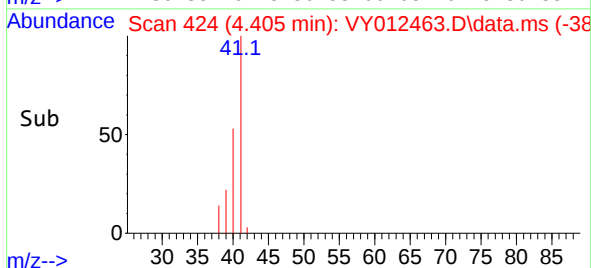
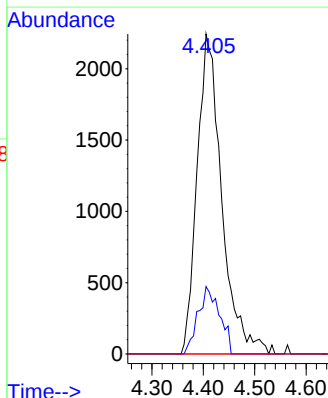
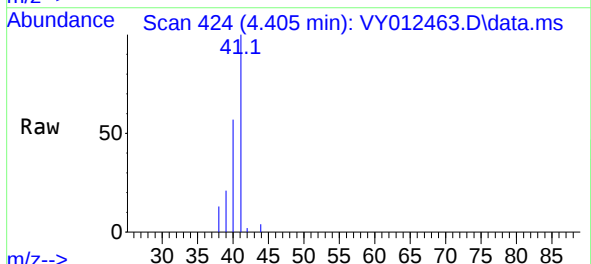
Tgt Ion: 41 Resp: 7477

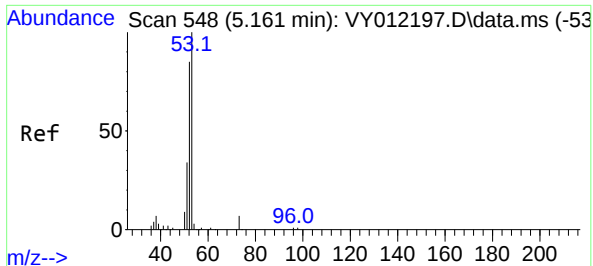
Ion Ratio Lower Upper

41 100

39 18.4 53.5 80.3#

76 0.0 31.1 46.7#

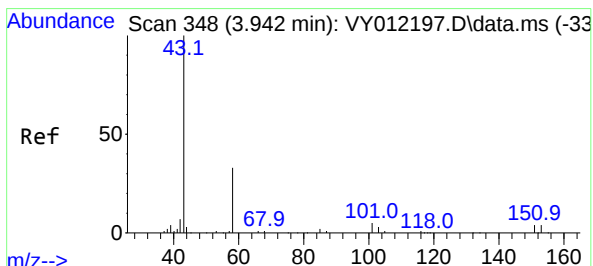
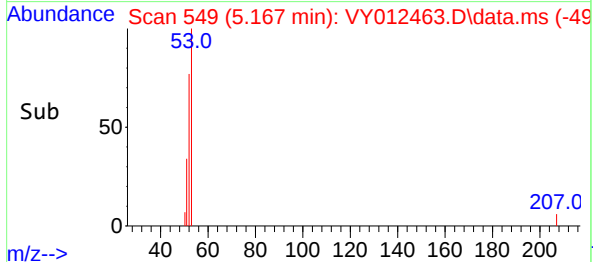
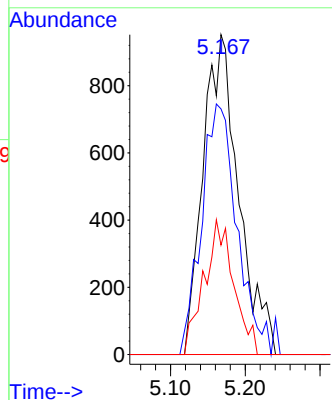
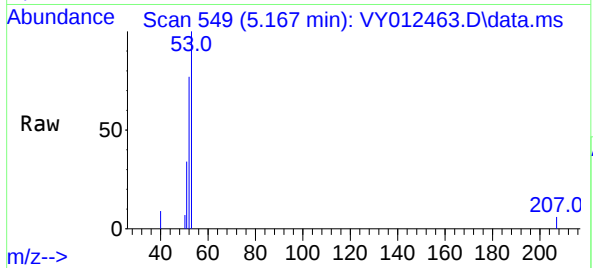




#15
Acrylonitrile
Concen: 7.620 ug/l
RT: 5.167 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

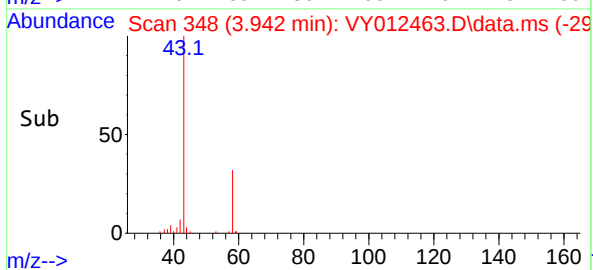
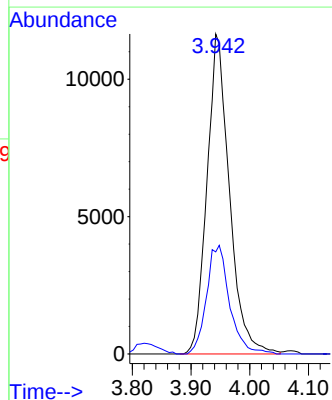
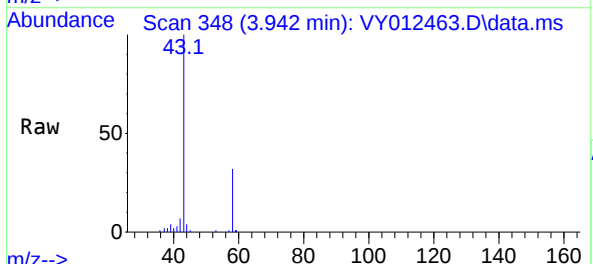
Instrument :
MSVOA_Y
ClientSampleId :
2876

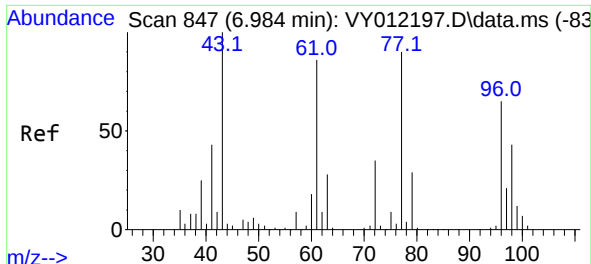
Tgt Ion: 53 Resp: 3156
Ion Ratio Lower Upper
53 100
52 79.3 65.1 97.7
51 35.0 28.7 43.1



#16
Acetone
Concen: 63.946 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

Tgt Ion: 43 Resp: 30872
Ion Ratio Lower Upper
43 100
58 31.9 27.9 41.9





#25

2-Butanone

Concen: 8.385 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012463.D

Acq: 02 Feb 2023 18:11

Instrument :

MSVOA_Y

ClientSampleId :

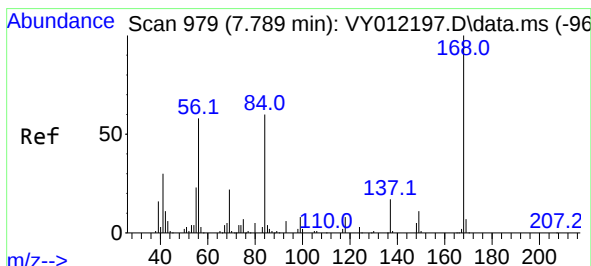
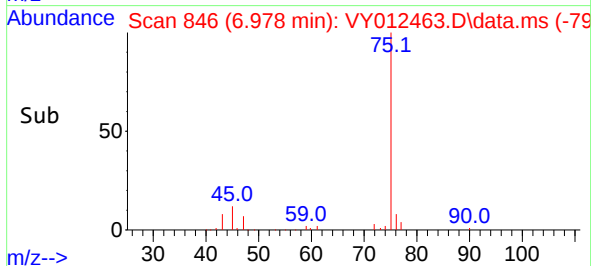
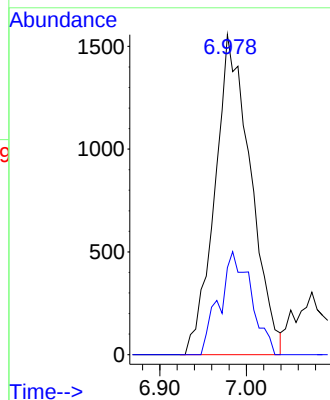
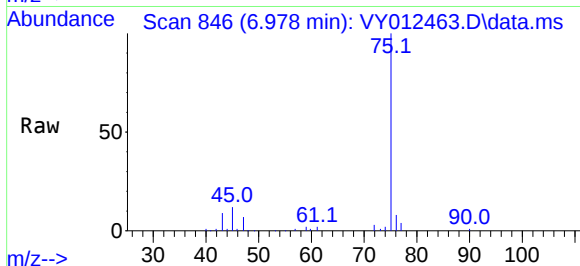
2876

Tgt Ion: 43 Resp: 4469

Ion Ratio Lower Upper

43 100

72 27.2 22.6 34.0



#31

Cyclohexane

Concen: 1.317 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012463.D

Acq: 02 Feb 2023 18:11

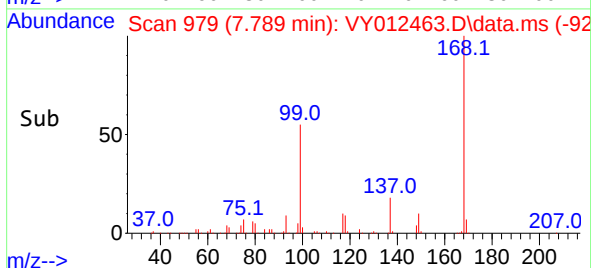
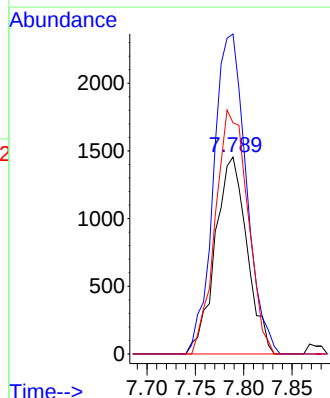
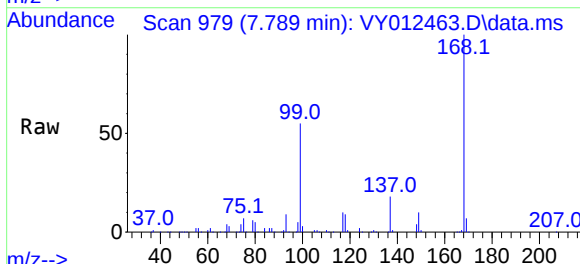
Tgt Ion: 56 Resp: 3329

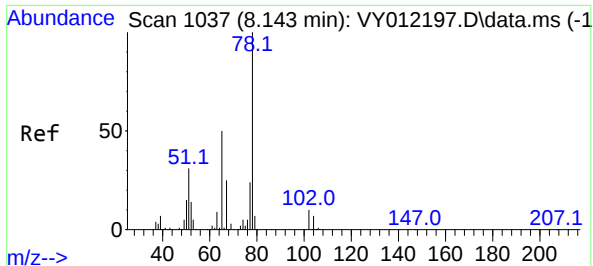
Ion Ratio Lower Upper

56 100

69 162.5 29.2 43.8#

84 117.4 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 72.427 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012463.D

Acq: 02 Feb 2023 18:11

Instrument :

MSVOA_Y

ClientSampleId :

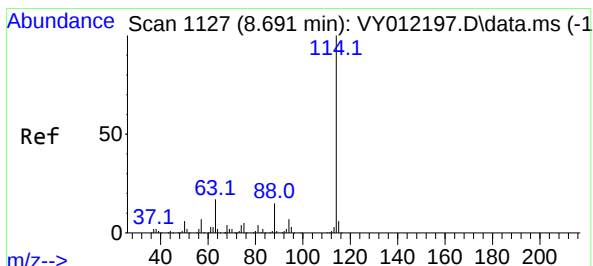
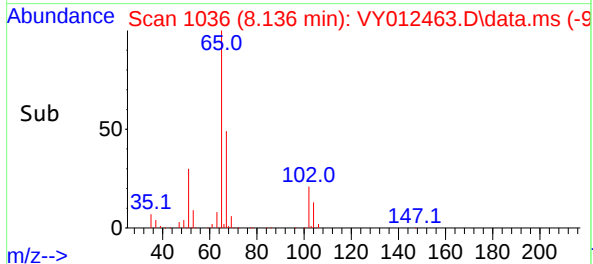
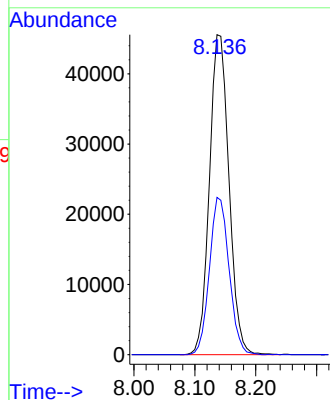
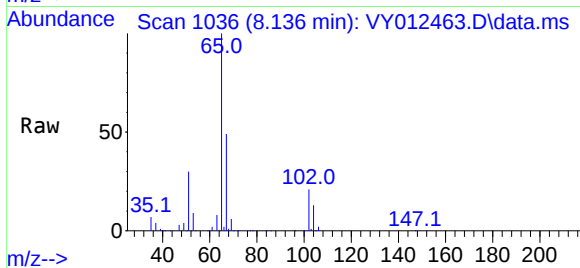
2876

Tgt Ion: 65 Resp: 101552

Ion Ratio Lower Upper

65 100

67 49.4 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: VY012463.D

Acq: 02 Feb 2023 18:11

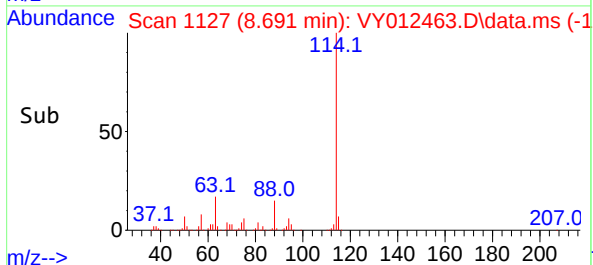
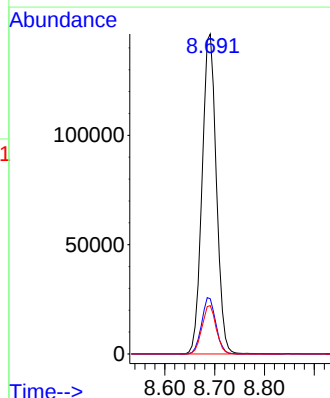
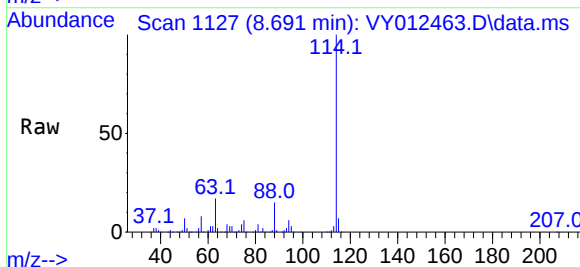
Tgt Ion: 114 Resp: 290523

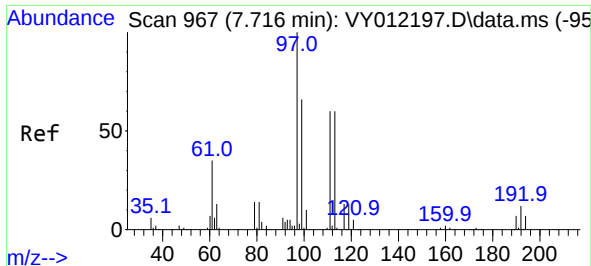
Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.1 0.0 32.2

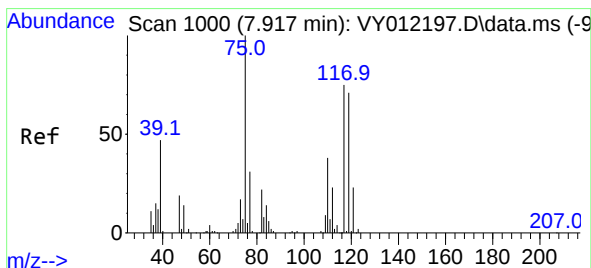
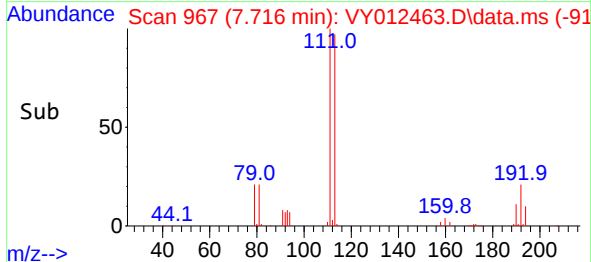
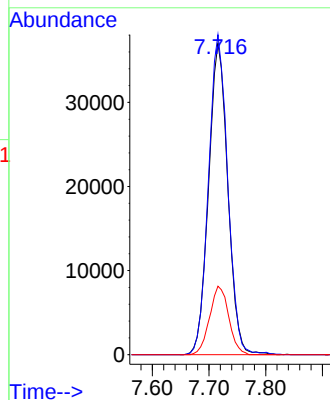
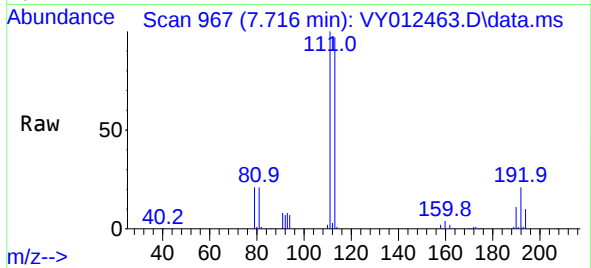




#35
Dibromofluoromethane
Concen: 56.656 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

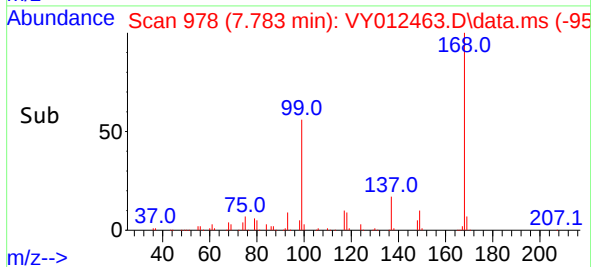
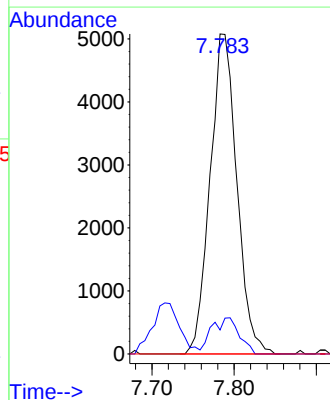
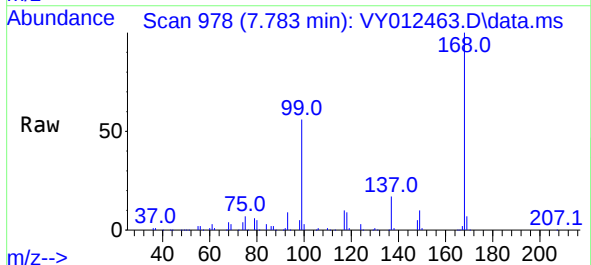
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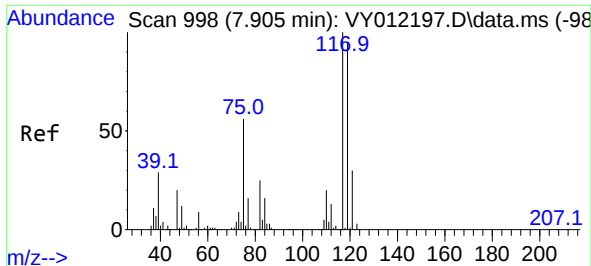
Tgt Ion:	113	Resp:	87155
Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.4
192	21.9	16.0	24.0



#36
1,1-Dichloropropene
Concen: 4.397 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

Tgt Ion:	75	Resp:	11495
Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.1#
77	0.0	25.1	37.7#

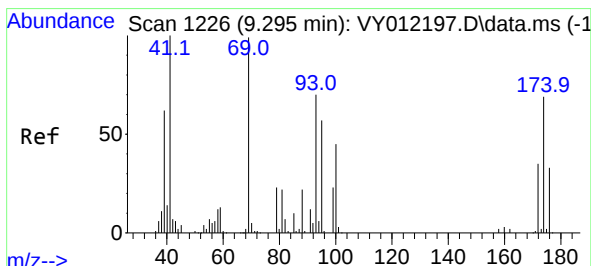
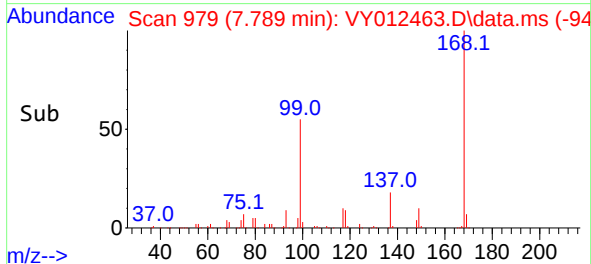
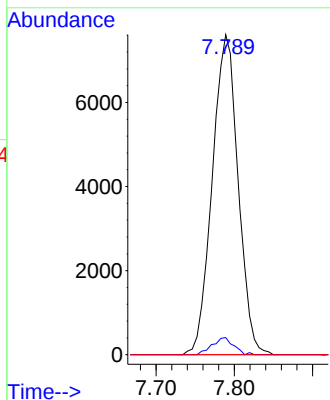
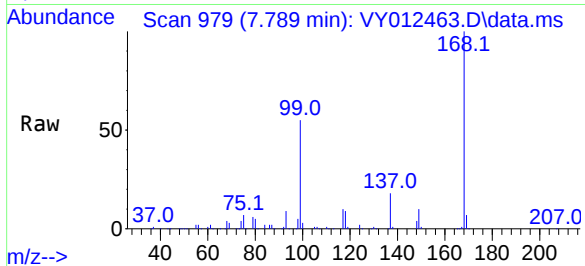




#38
Carbon Tetrachloride
Concen: 5.173 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

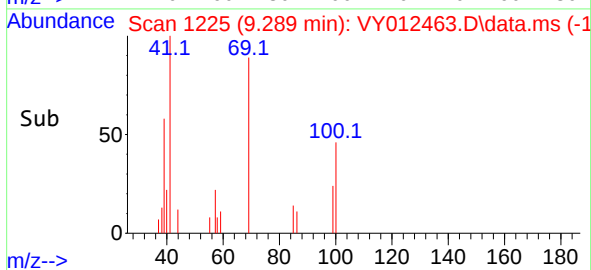
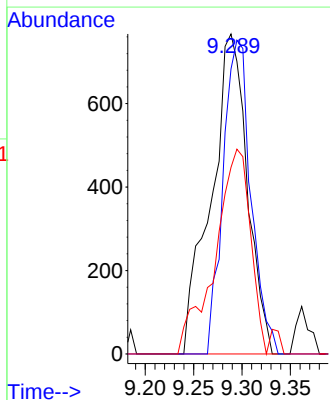
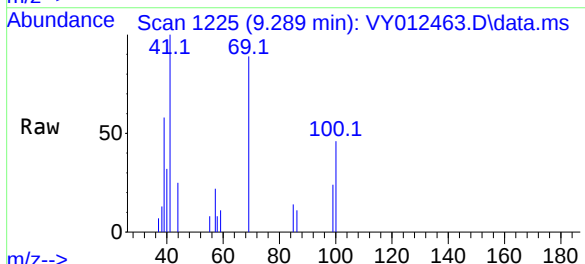
Instrument :
MSVOA_Y
ClientSampleId :
2876

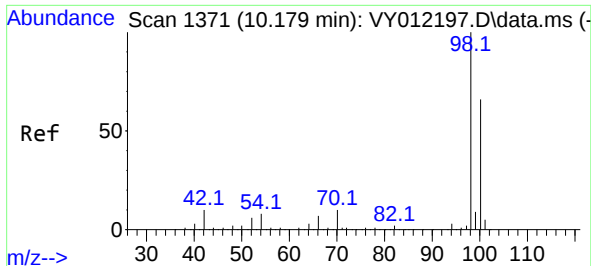
Tgt Ion:117 Resp: 17467
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.8#
121 0.0 25.2 37.8#



#48
Methyl methacrylate
Concen: 2.023 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

Tgt Ion: 41 Resp: 1999
Ion Ratio Lower Upper
41 100
69 75.3 74.2 111.2
39 62.5 46.3 69.5

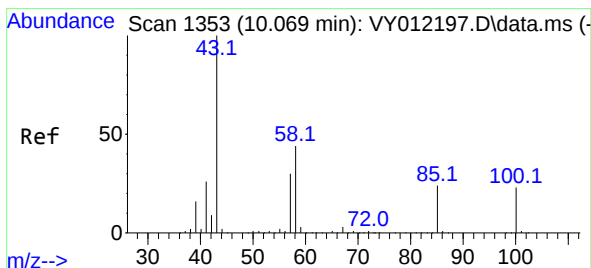
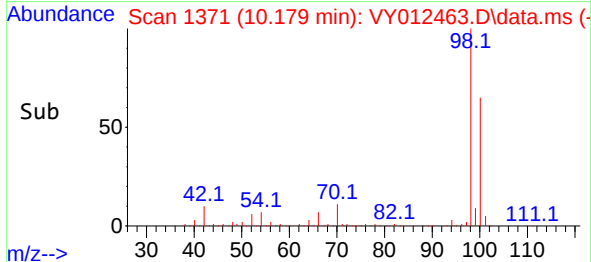
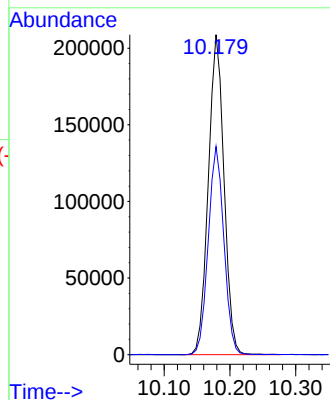
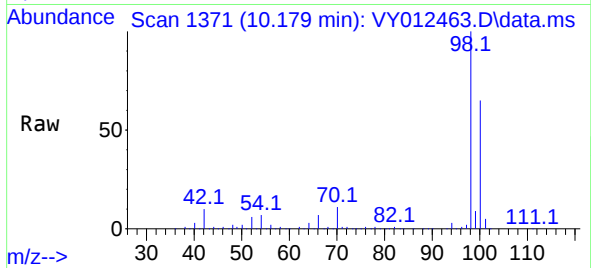




#50
Toluene-d8
Concen: 66.490 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

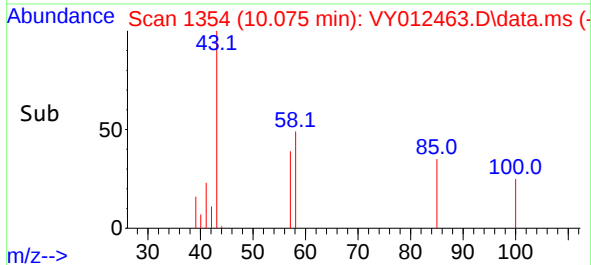
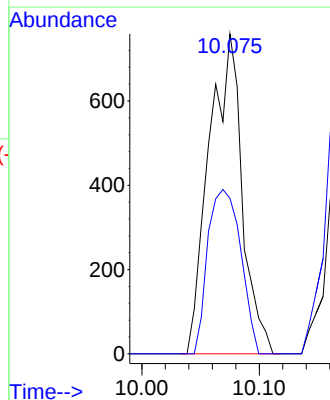
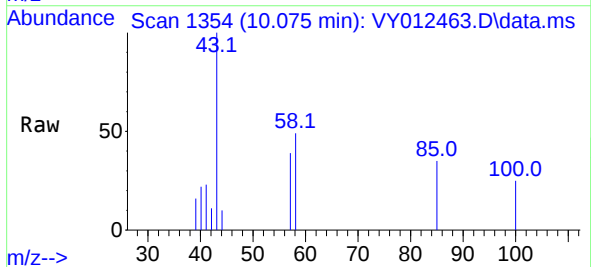
Instrument :
MSVOA_Y
ClientSampleId :
2876

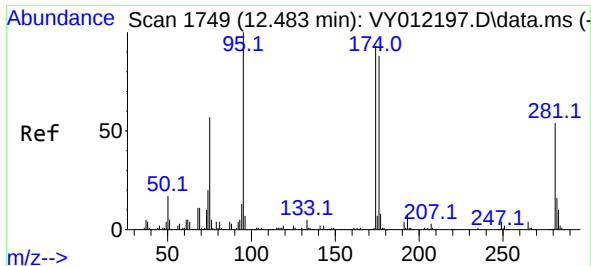
Tgt Ion: 98 Resp: 346775
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.294 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

Tgt Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
58 51.3 32.9 49.3#

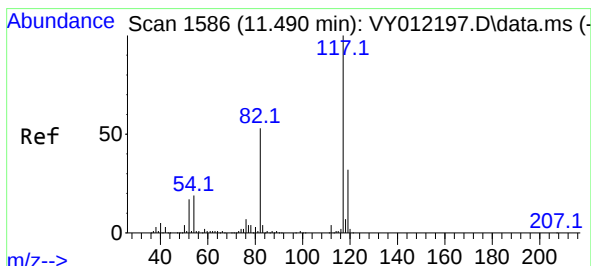
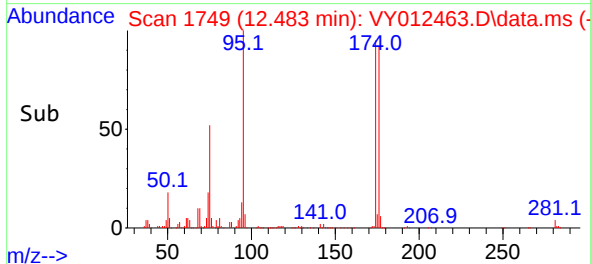
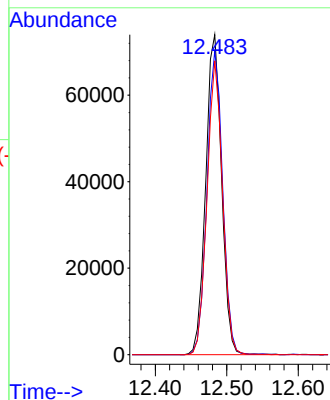
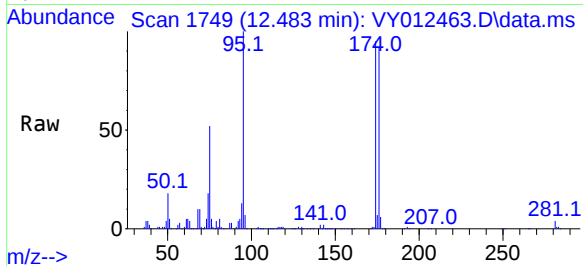




#62
4-Bromofluorobenzene
Concen: 52.578 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

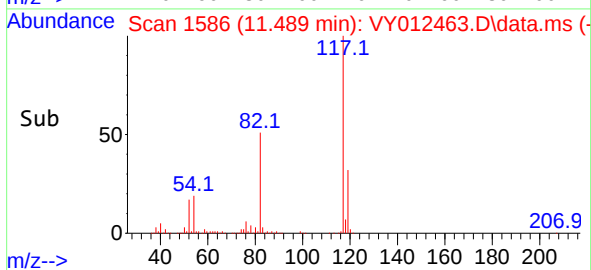
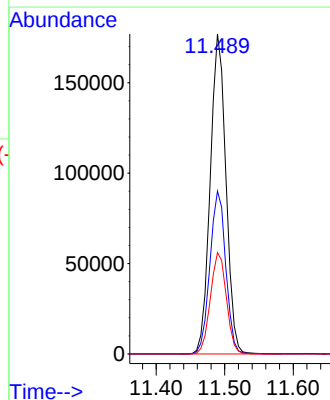
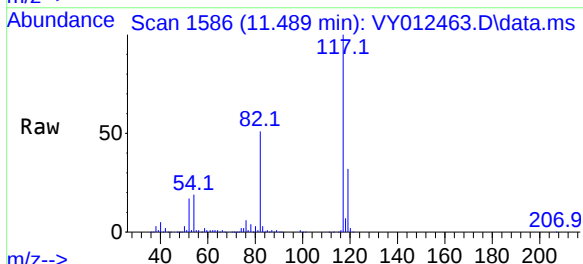
Instrument :
MSVOA_Y
ClientSampleId :
2876

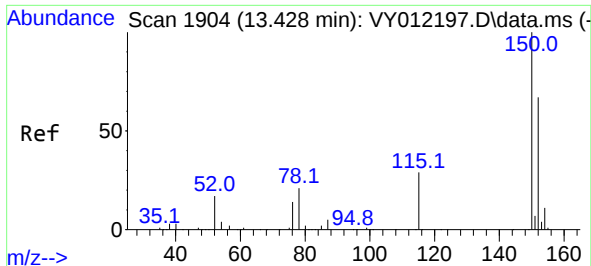
Tgt Ion: 95 Resp: 114019
Ion Ratio Lower Upper
95 100
174 94.4 0.0 172.0
176 89.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

Tgt Ion: 117 Resp: 281752
Ion Ratio Lower Upper
117 100
82 50.9 44.8 67.2
119 31.7 25.4 38.2

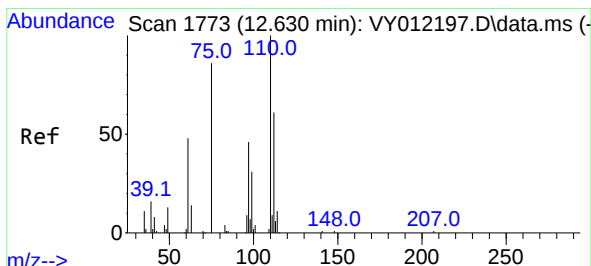
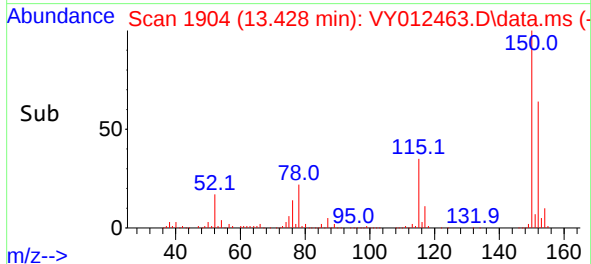
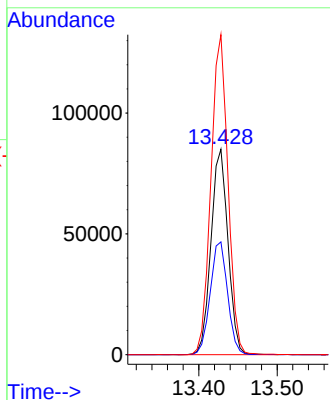
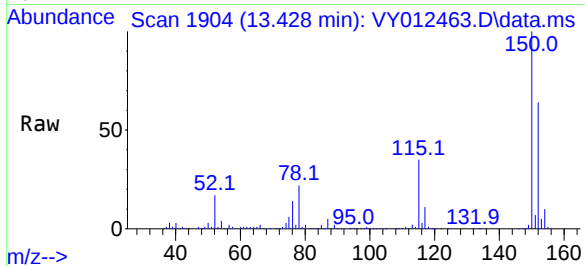




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY012463.D
 Acq: 02 Feb 2023 18:11

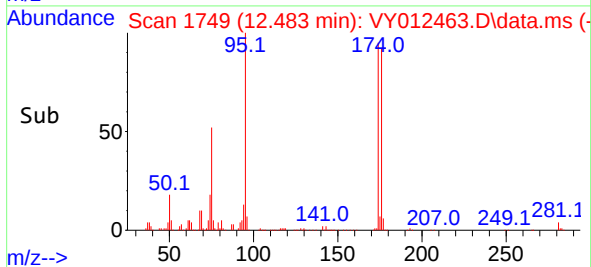
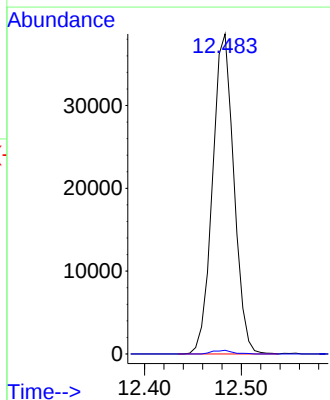
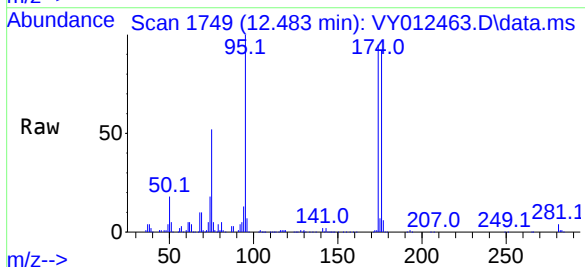
Instrument :
 MSVOA_Y
 ClientSampleId :
 2876

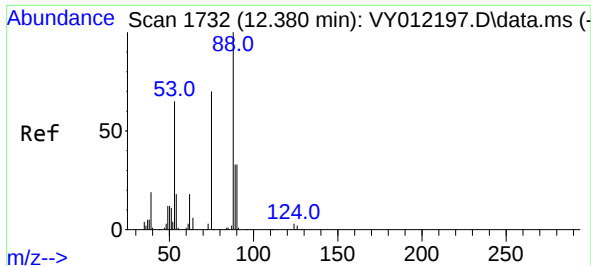
Tgt Ion:152 Resp: 128311
 Ion Ratio Lower Upper
 152 100
 115 56.1 29.1 87.3
 150 155.8 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 50.170 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012463.D
 Acq: 02 Feb 2023 18:11

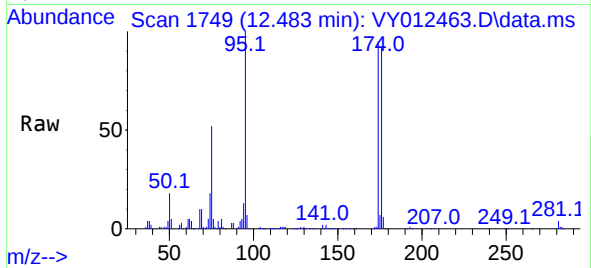
Tgt Ion: 75 Resp: 59194
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 103.373 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012463.D
Acq: 02 Feb 2023 18:11

Instrument :
MSVOA_Y
ClientSampleId :
2876



Tgt Ion: 75 Resp: 59194
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

