

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110322\
 Data File : VY011293.D
 Acq On : 03 Nov 2022 17:32
 Operator : KP/MD
 Sample : N5395-11RE
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-8-103122

Quant Time: Nov 04 02:21:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

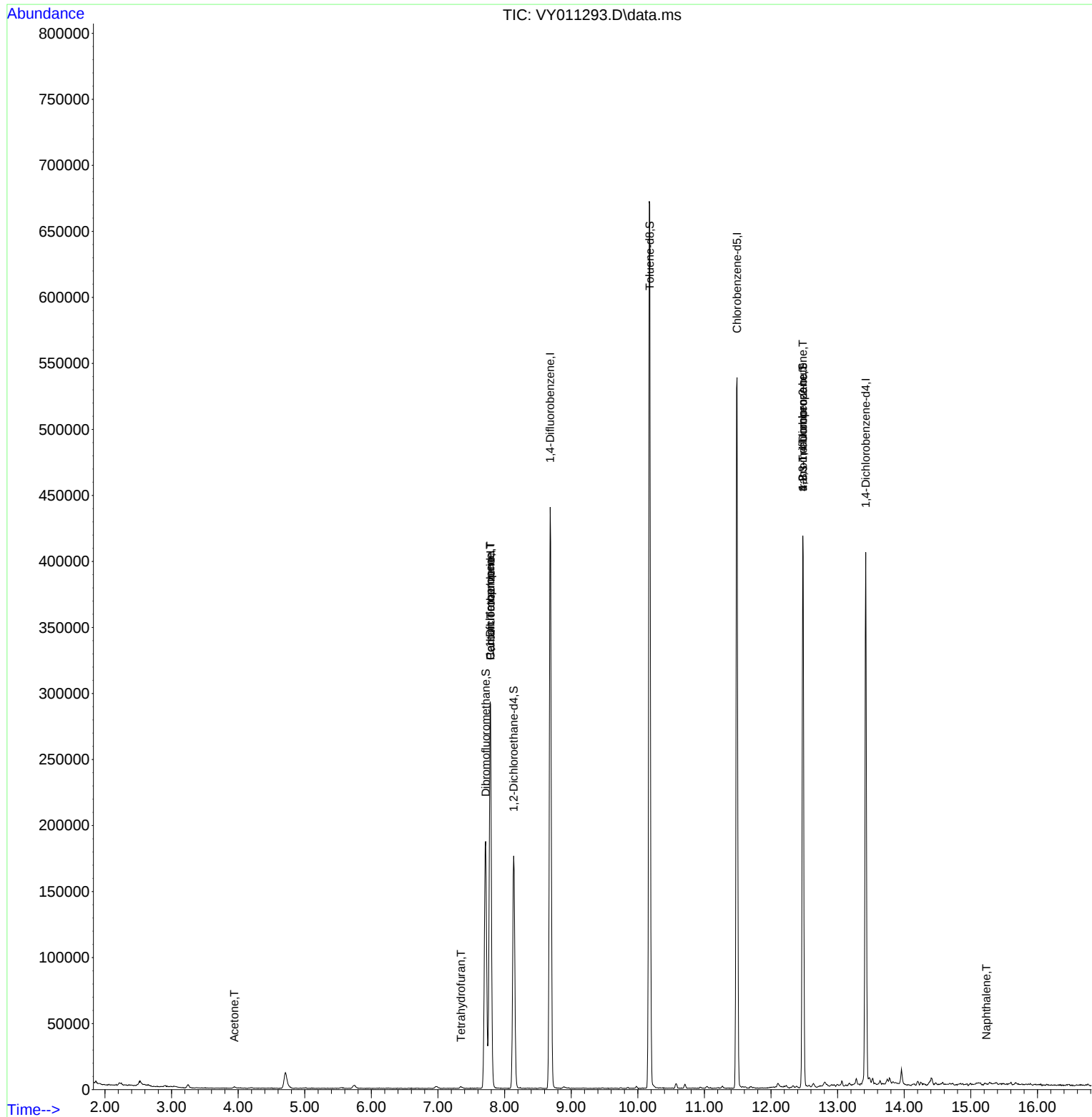
Internal Standards						
1) Pentafluorobenzene	7.789	168	228210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	387553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	307229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	137858	56.483	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.960%			
35) Dibromofluoromethane	7.716	113	138461	55.607	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.220%			
50) Toluene-d8	10.179	98	458833	47.460	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.920%			
62) 4-Bromofluorobenzene	12.477	95	131050	39.047	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 78.100%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	41	Below Cal	#	77
16) Acetone	3.942	43	1862	2.527	ug/l #	74
20) Methylene Chloride	4.716	84	9489	Below Cal	#	70
29) Tetrahydrofuran	7.344	42	951	1.576	ug/l #	88
36) 1,1-Dichloropropene	7.783	75	17121	4.210	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23105	5.477	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	64735	50.583	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64735	108.255	ug/l #	7
95) Naphthalene	15.233	128	690	4.104	ug/l #	91

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

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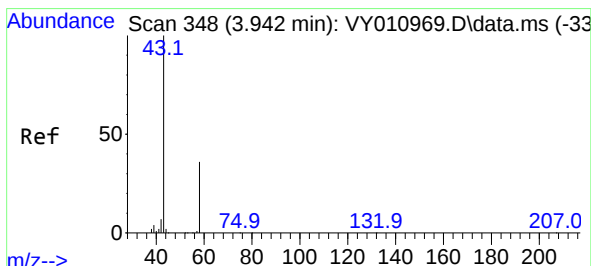
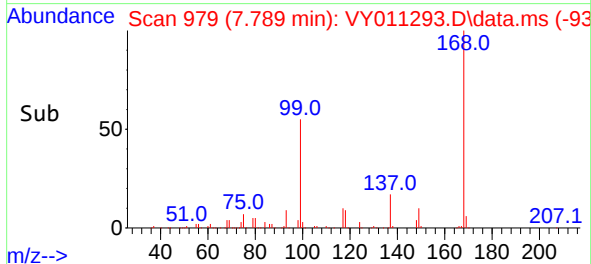
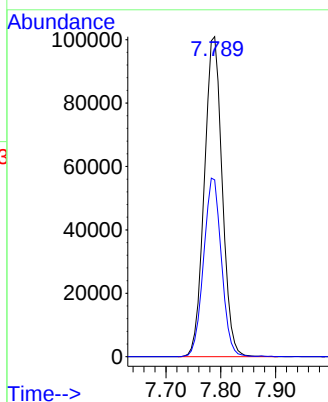
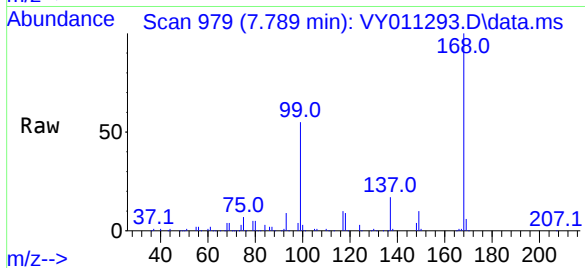




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

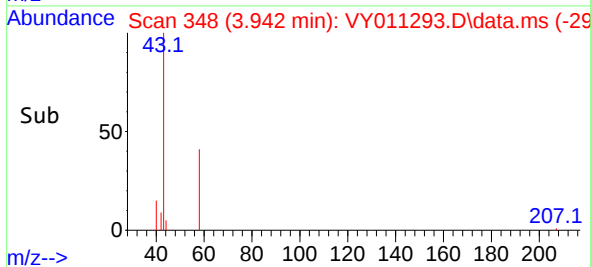
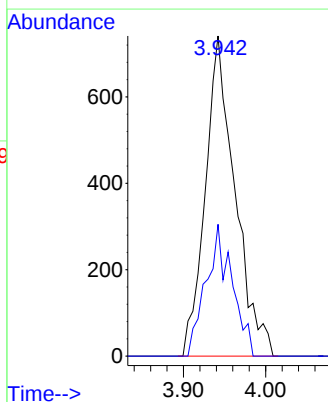
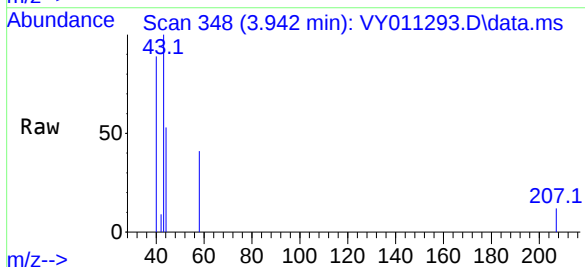
Instrument :
MSVOA_Y
ClientSampleId :
S-8-103122

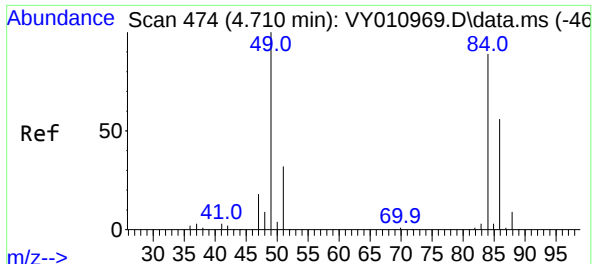
Tgt Ion:168 Resp: 228210
Ion Ratio Lower Upper
168 100
99 55.2 46.9 70.3



#16
Acetone
Concen: 2.527 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

Tgt Ion: 43 Resp: 1862
Ion Ratio Lower Upper
43 100
58 41.2 22.0 33.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY011293.D

Acq: 03 Nov 2022 17:32

Instrument :

MSVOA_Y

ClientSampleId :

S-8-103122

Tgt Ion: 84 Resp: 9489

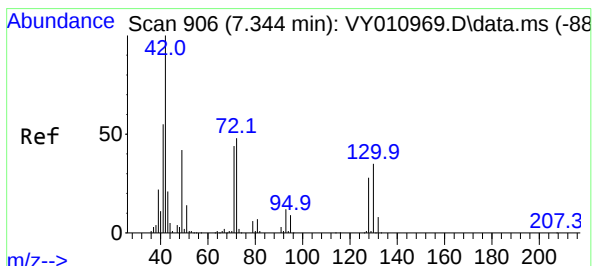
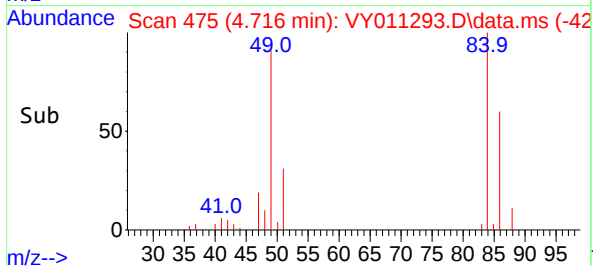
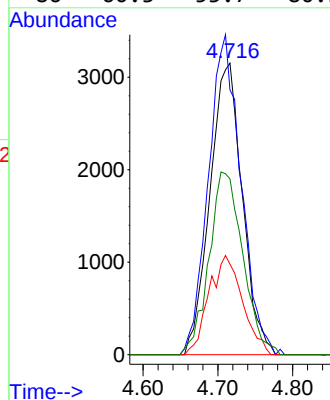
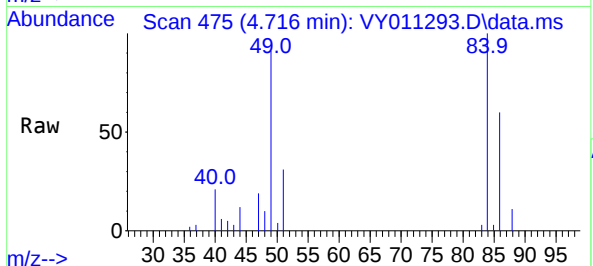
Ion Ratio Lower Upper

84 100

49 90.8 114.4 171.6#

51 31.1 35.3 52.9#

86 60.3 53.7 80.5



#29

Tetrahydrofuran

Concen: 1.576 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY011293.D

Acq: 03 Nov 2022 17:32

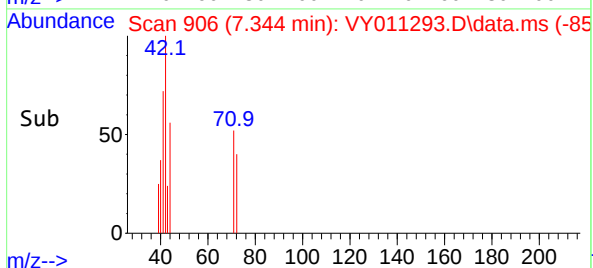
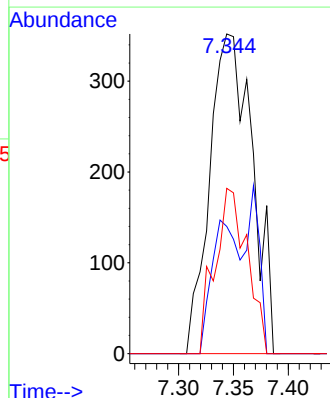
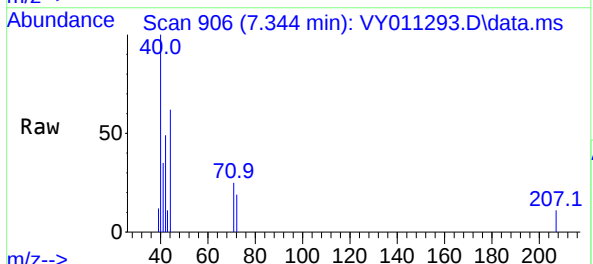
Tgt Ion: 42 Resp: 951

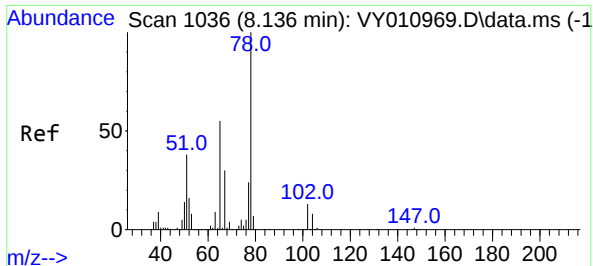
Ion Ratio Lower Upper

42 100

72 26.1 30.3 45.5#

71 39.0 29.0 43.4





#33

1,2-Dichloroethane-d4

Concen: 56.483 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011293.D

Acq: 03 Nov 2022 17:32

Instrument :

MSVOA_Y

ClientSampleId :

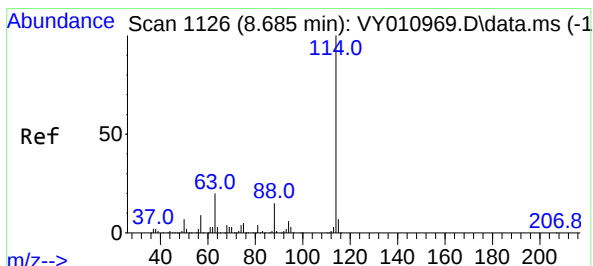
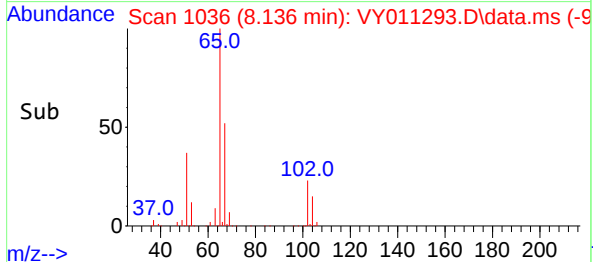
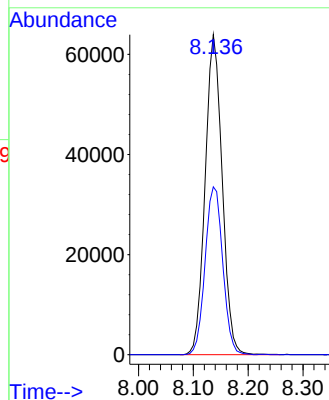
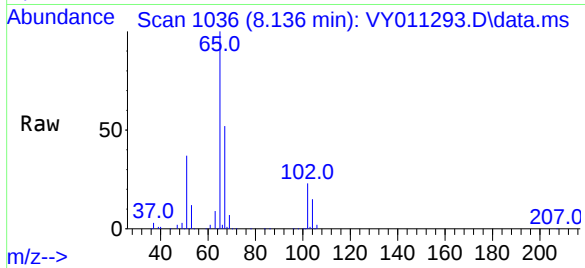
S-8-103122

Tgt Ion: 65 Resp: 137858

Ion Ratio Lower Upper

65 100

67 54.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011293.D

Acq: 03 Nov 2022 17:32

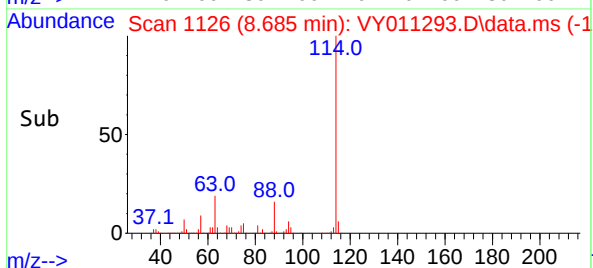
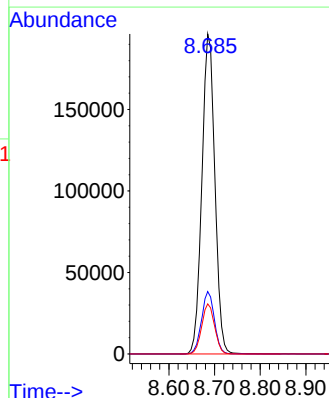
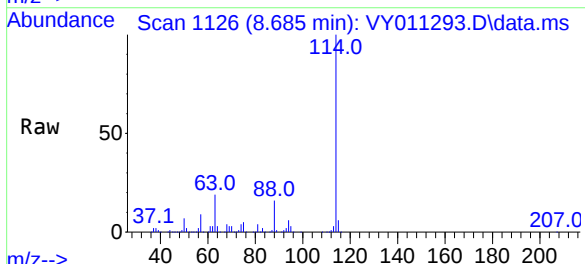
Tgt Ion: 114 Resp: 387553

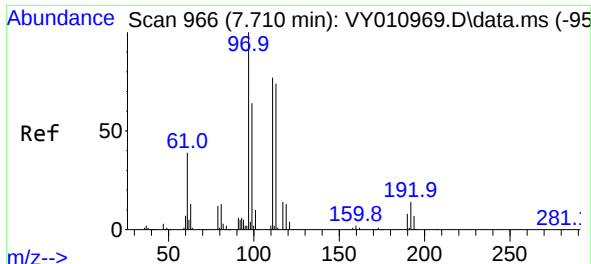
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 15.6 0.0 31.8

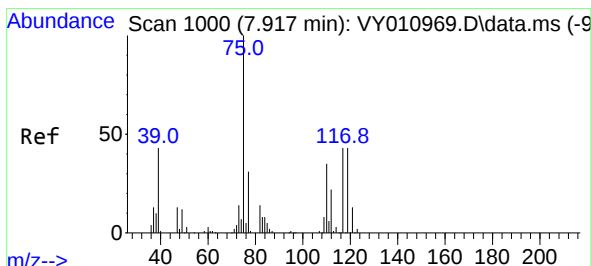
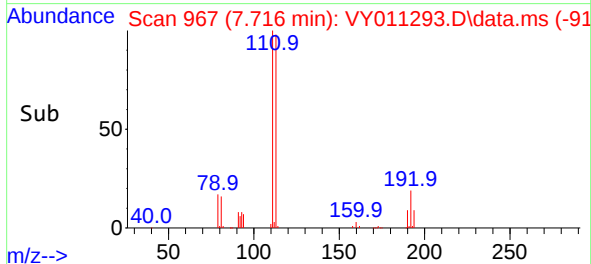
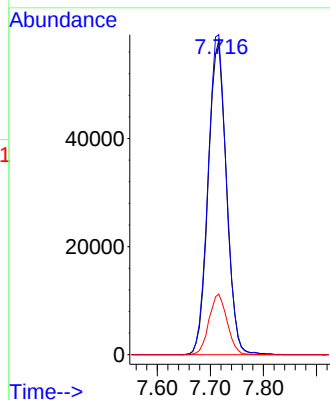
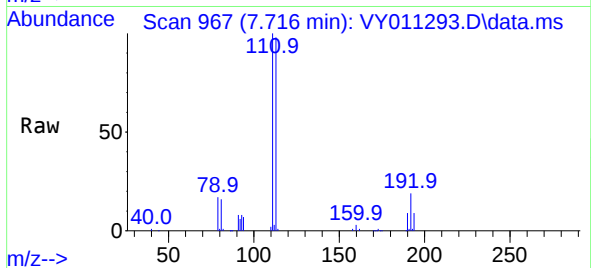




#35
Dibromofluoromethane
Concen: 55.607 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

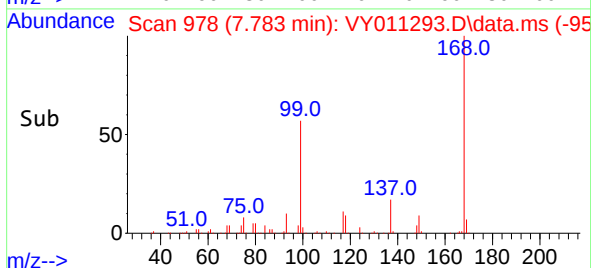
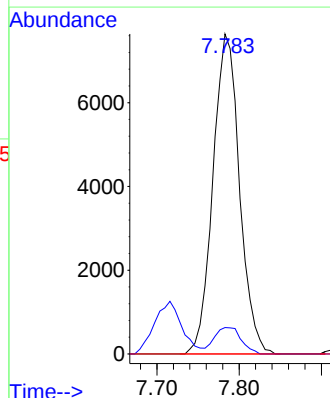
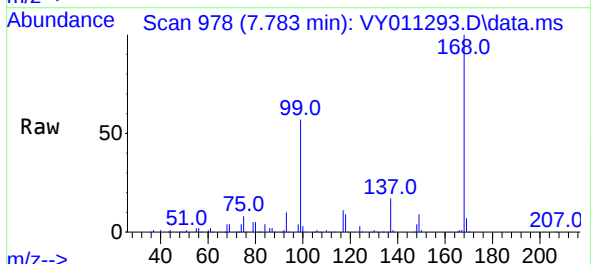
Instrument :
MSVOA_Y
ClientSampleId :
S-8-103122

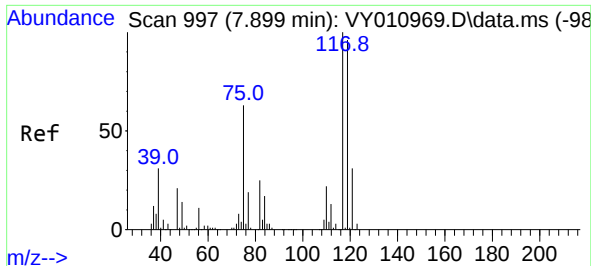
Tgt Ion:113 Resp: 138461
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.210 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

Tgt Ion: 75 Resp: 17121
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#

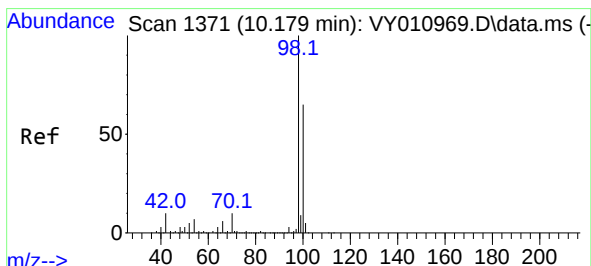
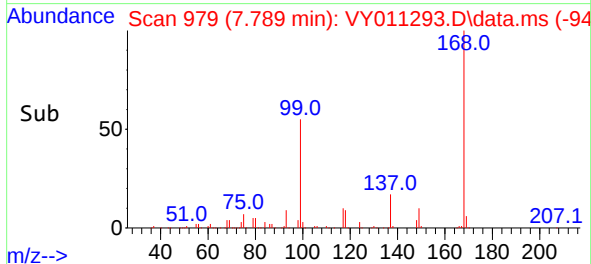
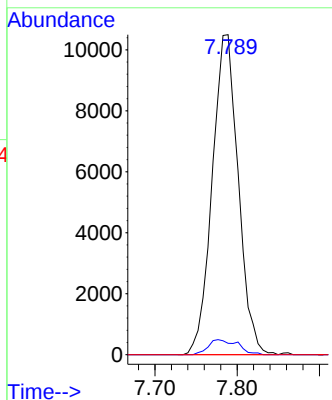
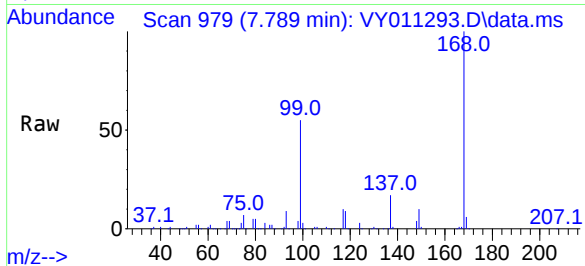




#38
Carbon Tetrachloride
Concen: 5.477 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

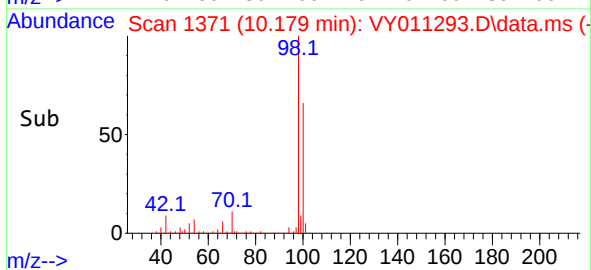
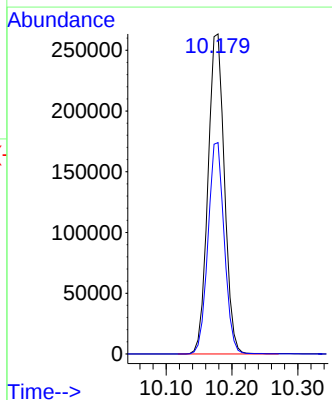
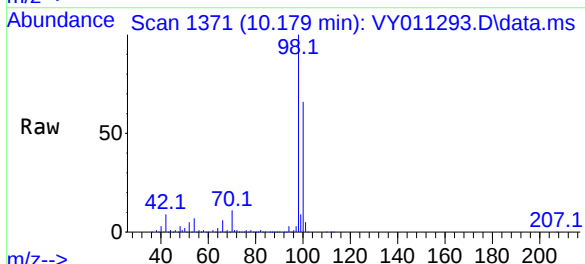
Instrument :
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ClientSampleId :
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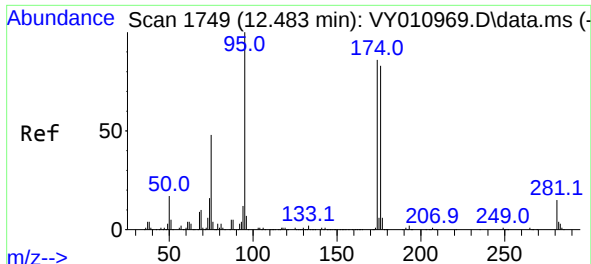
Tgt Ion:117 Resp: 23105
Ion Ratio Lower Upper
117 100
119 3.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.460 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

Tgt Ion: 98 Resp: 458833
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

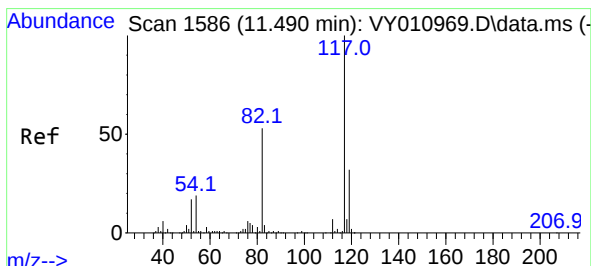
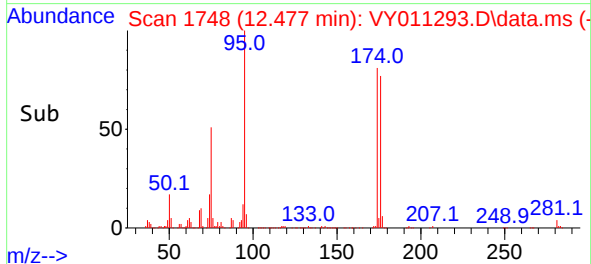
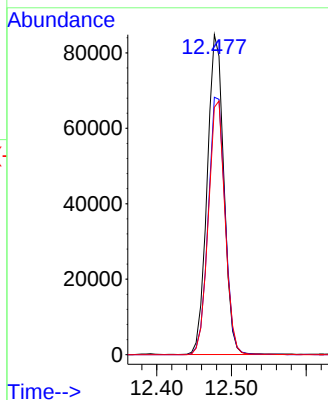
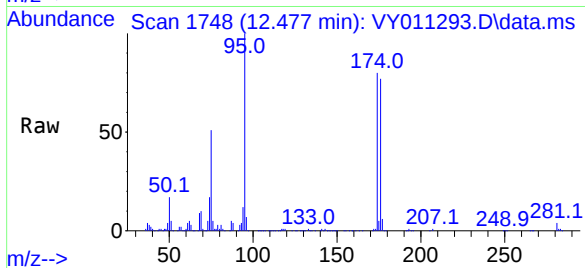




#62
4-Bromofluorobenzene
Concen: 39.047 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

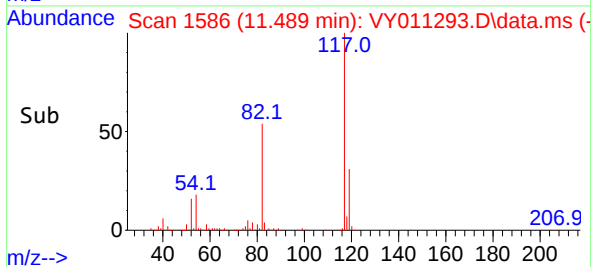
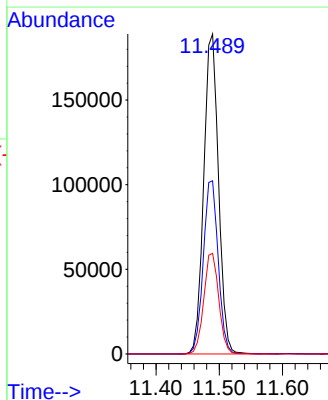
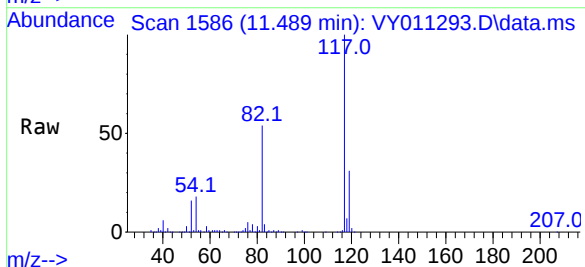
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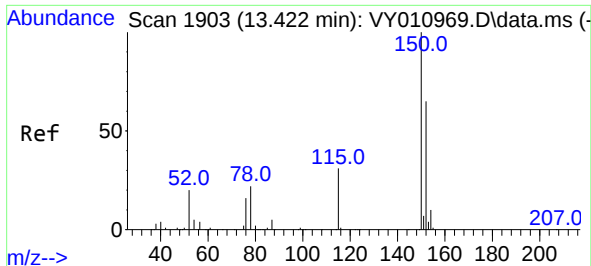
Tgt Ion: 95 Resp: 131050
Ion Ratio Lower Upper
95 100
174 81.6 0.0 177.0
176 79.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

Tgt Ion: 117 Resp: 307229
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 31.5 25.4 38.0

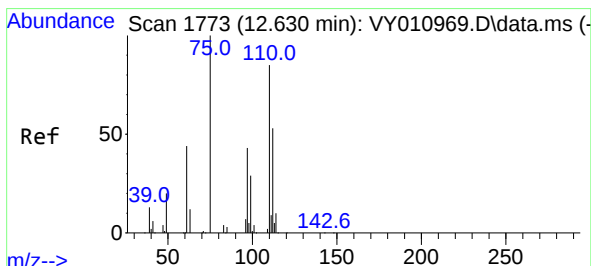
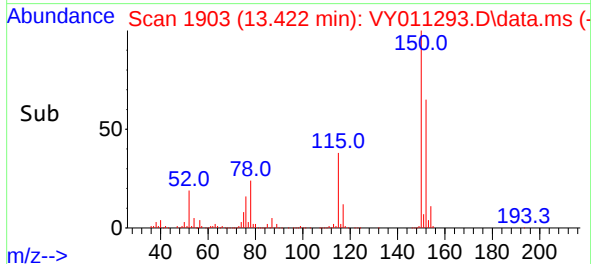
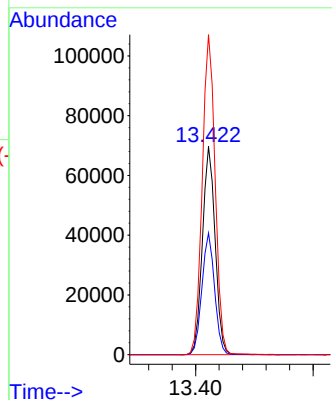
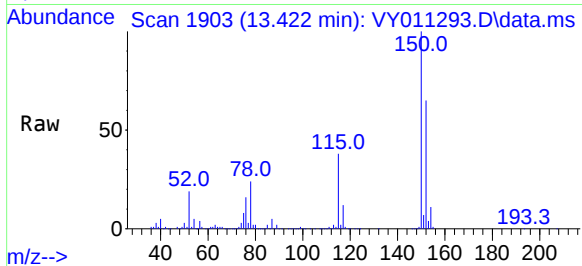




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY011293.D
 Acq: 03 Nov 2022 17:32

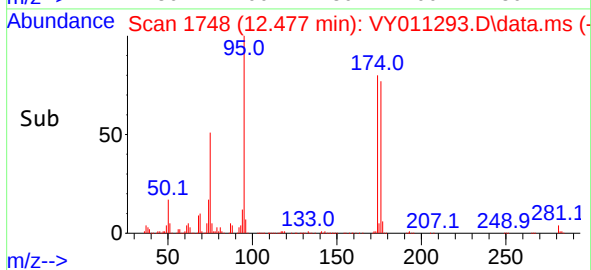
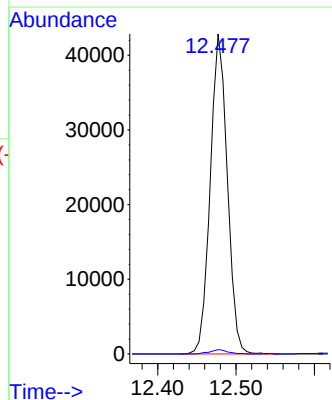
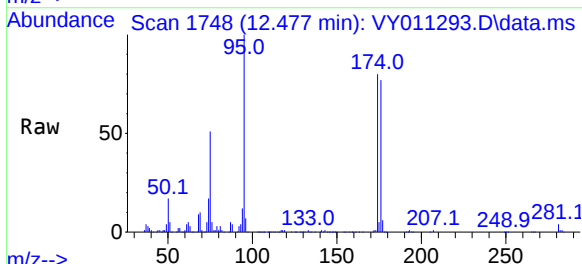
Instrument :
 MSVOA_Y
 ClientSampleId :
 S-8-103122

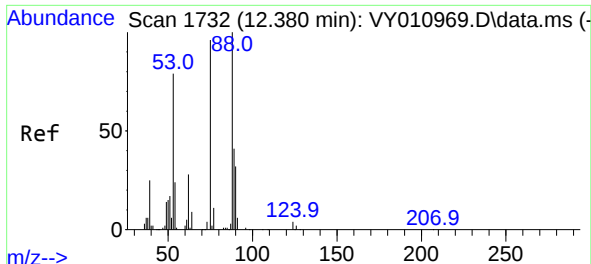
Tgt Ion:152 Resp: 105122
 Ion Ratio Lower Upper
 152 100
 115 58.1 28.2 84.7
 150 155.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.583 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY011293.D
 Acq: 03 Nov 2022 17:32

Tgt Ion: 75 Resp: 64735
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

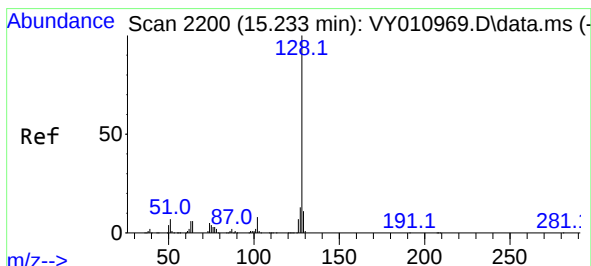
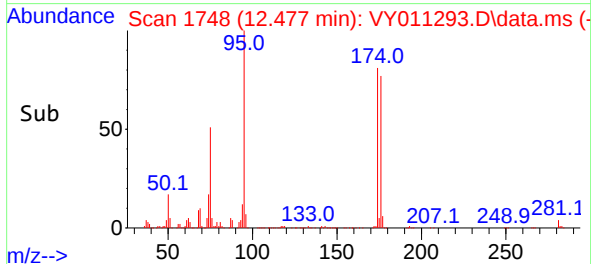
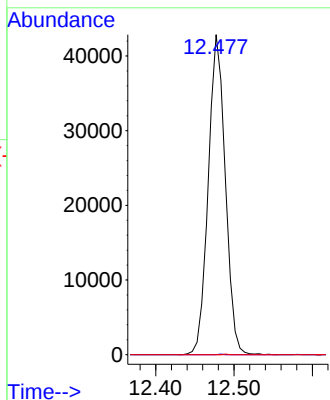
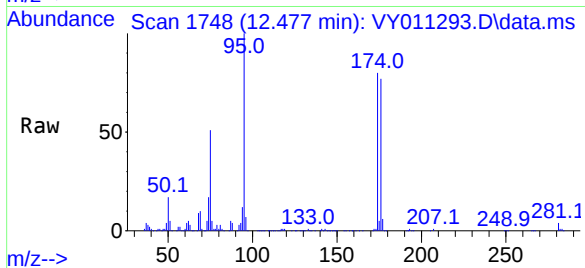




#81
trans-1,4-Dichloro-2-butene
Concen: 108.255 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

Instrument :
MSVOA_Y
ClientSampleId :
S-8-103122

Tgt Ion: 75 Resp: 64735
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.104 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY011293.D
Acq: 03 Nov 2022 17:32

Tgt Ion:128 Resp: 690
Ion Ratio Lower Upper
128 100
127 14.1 11.0 16.4
129 3.0 8.4 12.6#

