

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011699.D
 Acq On : 05 Dec 2022 16:16
 Operator : KP/MD
 Sample : N5872-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-120222

Quant Time: Dec 06 00:37:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

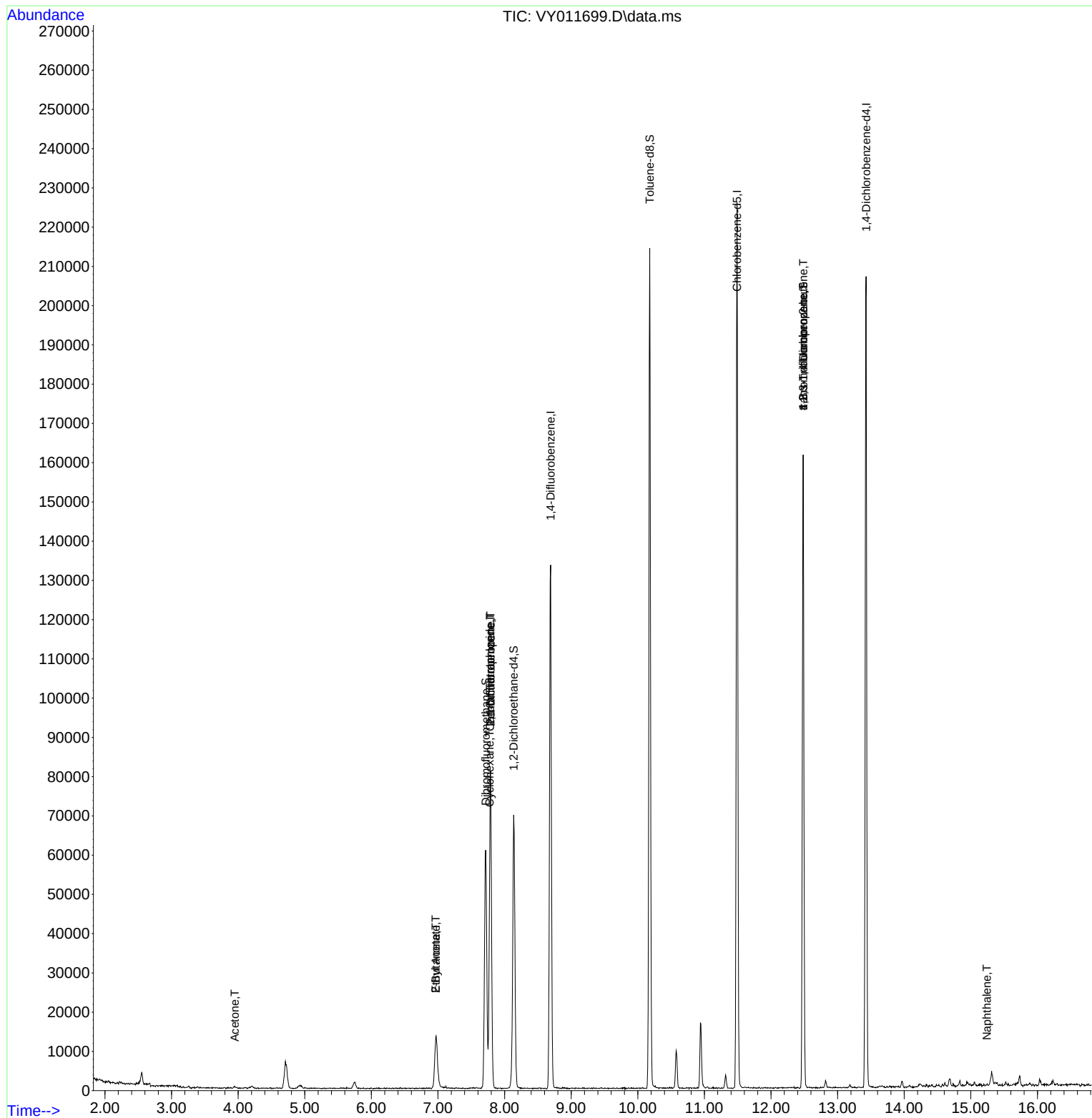
Internal Standards						
1) Pentafluorobenzene	7.789	168	62414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	113579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	120324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53174	83.904	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 167.800%#			
35) Dibromofluoromethane	7.716	113	42688	61.054	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.100%			
50) Toluene-d8	10.179	98	139303	54.827	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.660%			
62) 4-Bromofluorobenzene	12.483	95	47023	50.056	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	151	Below Cal	#	40
5) Bromomethane	2.668	94	70	Below Cal	#	35
11) Tert butyl alcohol	4.930	59	1098	Below Cal	#	77
16) Acetone	3.948	43	708	3.439	ug/l #	82
18) Methyl Acetate	4.472	43	94	Below Cal	#	56
20) Methylene Chloride	4.710	84	5074	Below Cal		87
25) 2-Butanone	6.966	43	742	2.743	ug/l #	54
31) Cyclohexane	7.777	56	1285	1.223	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	4873	4.459	ug/l #	51
37) Ethyl Acetate	6.966	43	742	1.192	ug/l #	1
38) Carbon Tetrachloride	7.783	117	6240	5.103	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	24614	41.701	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24614	91.340	ug/l #	7
95) Naphthalene	15.239	128	202	4.116	ug/l #	69

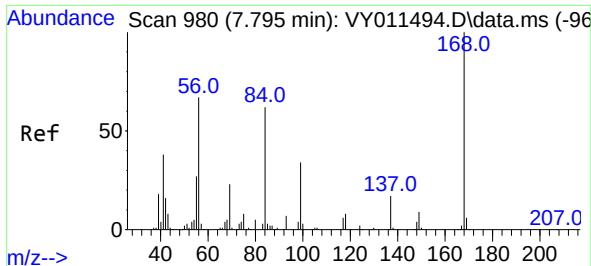
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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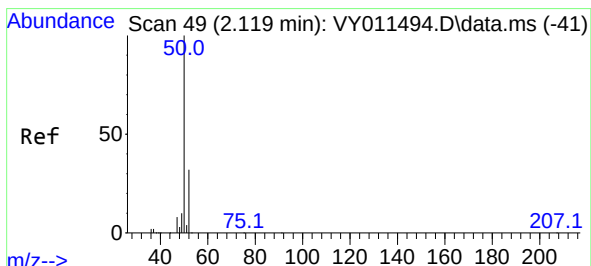
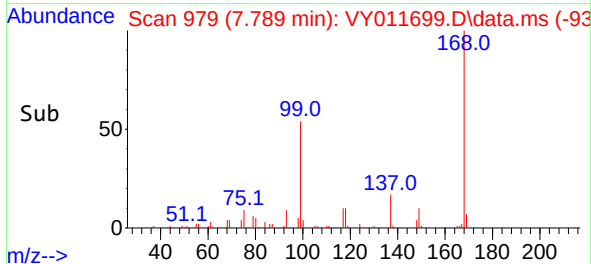
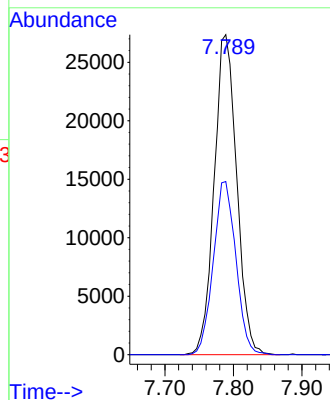
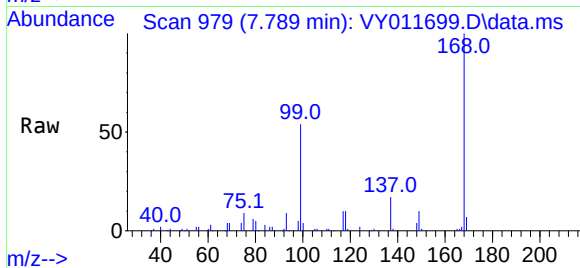




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

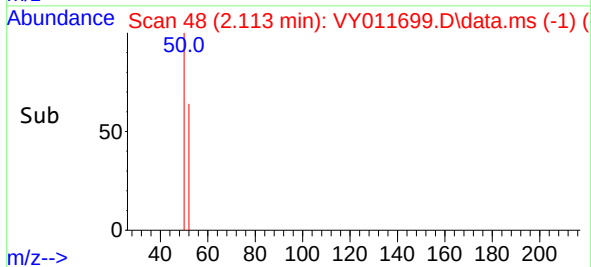
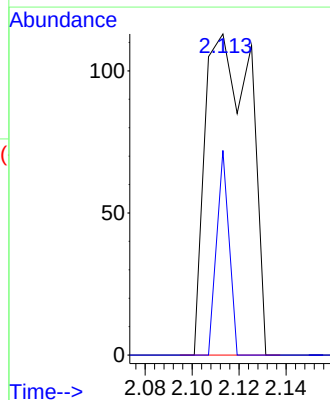
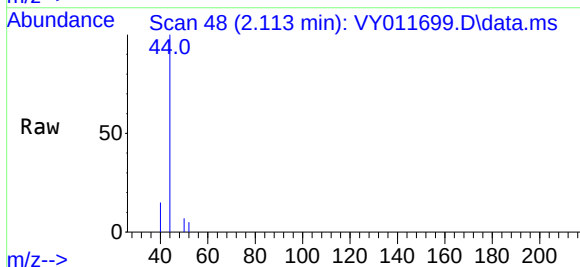
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

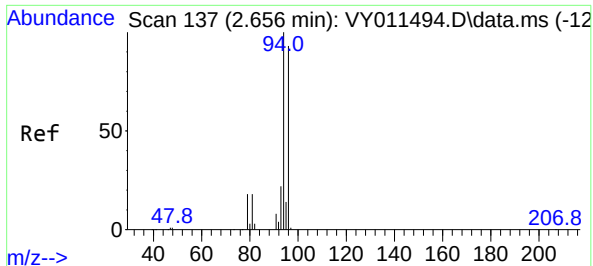
Tgt Ion:168 Resp: 62414
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion: 50 Resp: 151
Ion Ratio Lower Upper
50 100
52 63.7 24.6 37.0#

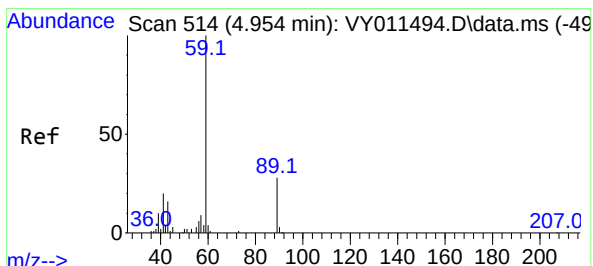
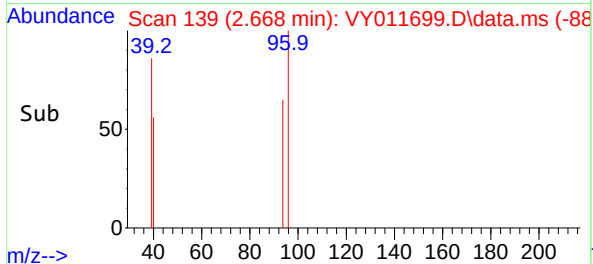
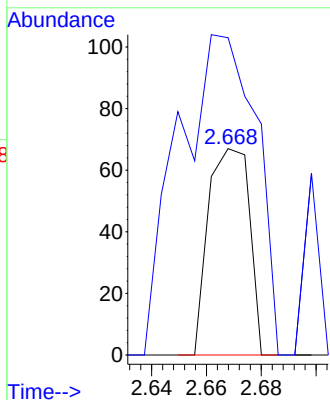
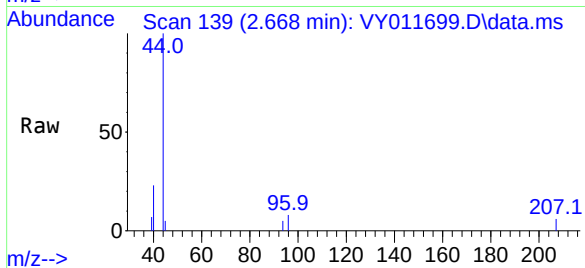




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

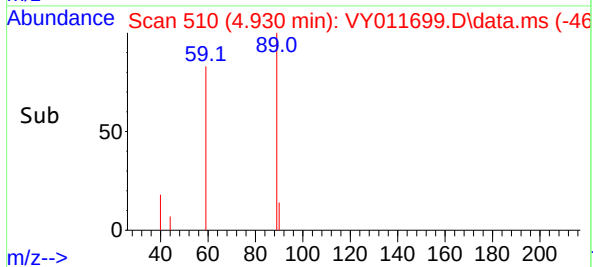
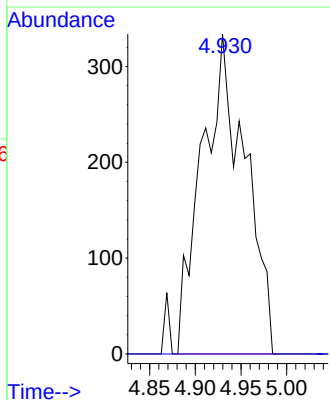
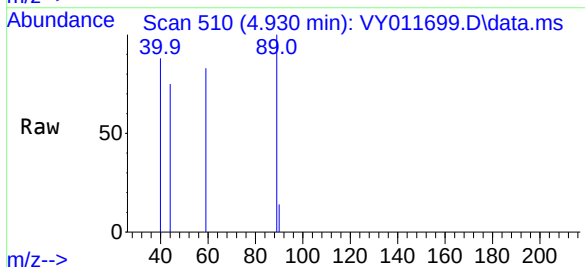
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

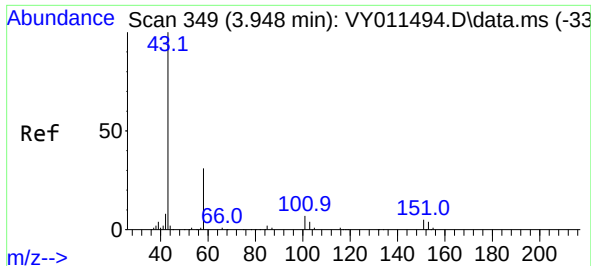
Tgt Ion: 94 Resp: 70
Ion Ratio Lower Upper
94 100
96 153.7 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.024 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion: 59 Resp: 1098
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

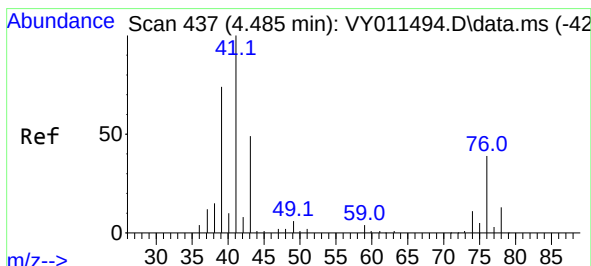
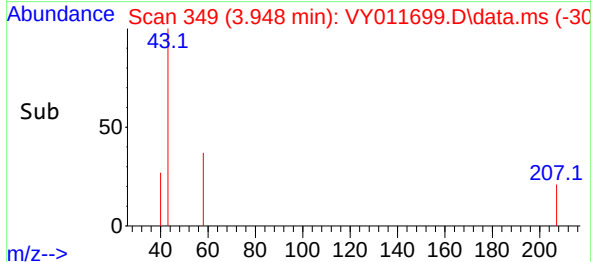
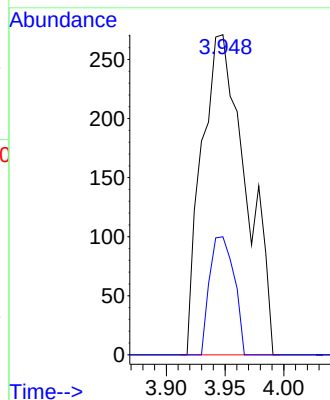
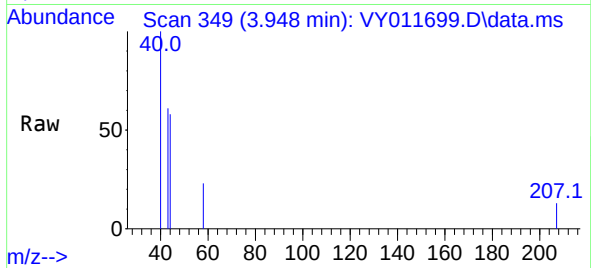




#16
Acetone
Concen: 3.439 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

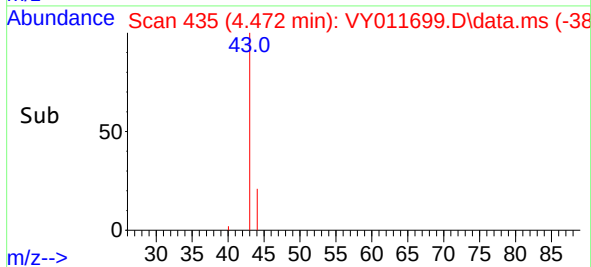
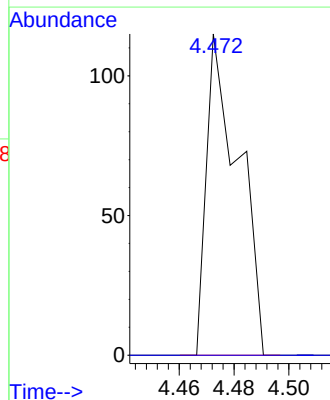
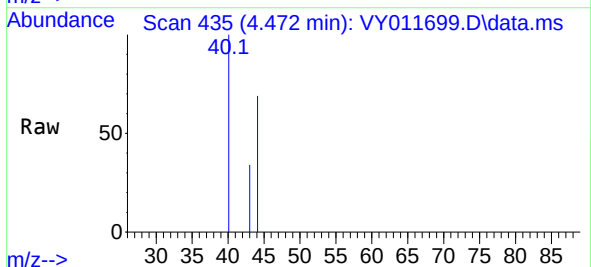
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

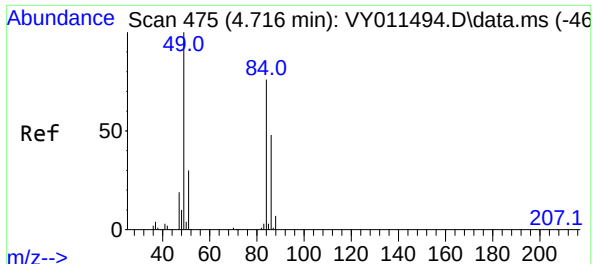
Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
58 36.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.013 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY011699.D

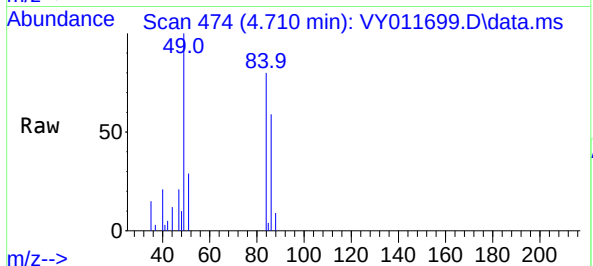
Acq: 05 Dec 2022 16:16

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-120222



Tgt Ion: 84 Resp: 5074

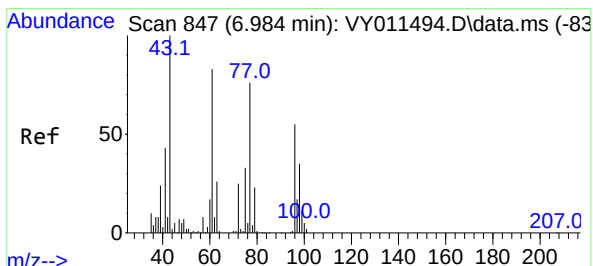
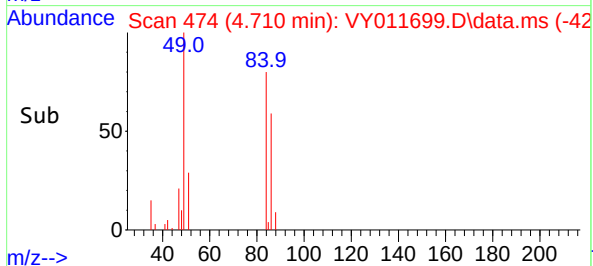
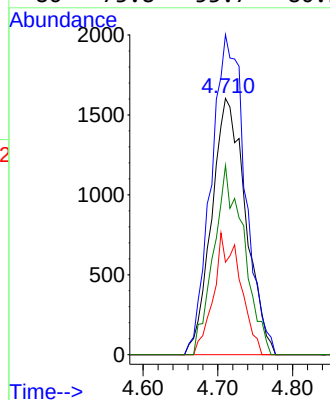
Ion Ratio Lower Upper

84 100

49 124.8 114.4 171.6

51 36.1 35.3 52.9

86 73.8 53.7 80.5



#25

2-Butanone

Concen: 2.743 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY011699.D

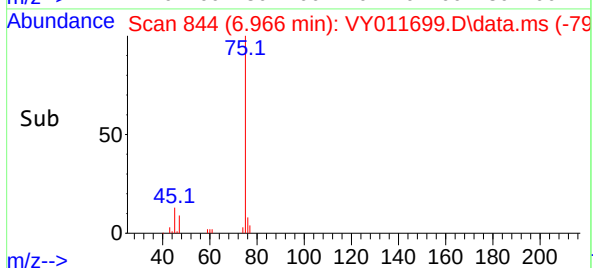
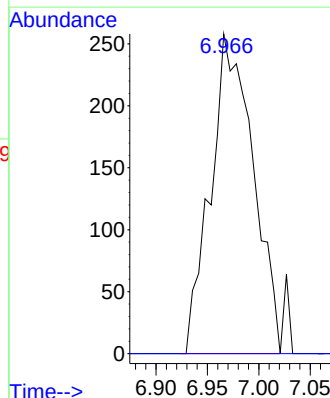
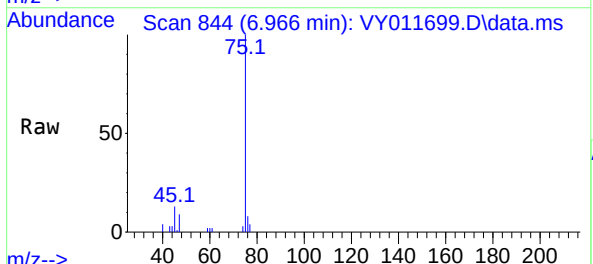
Acq: 05 Dec 2022 16:16

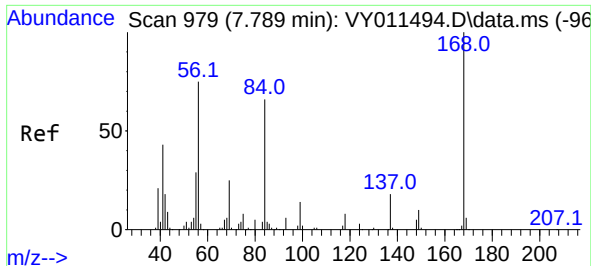
Tgt Ion: 43 Resp: 742

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

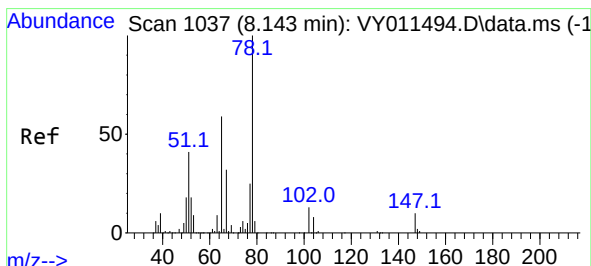
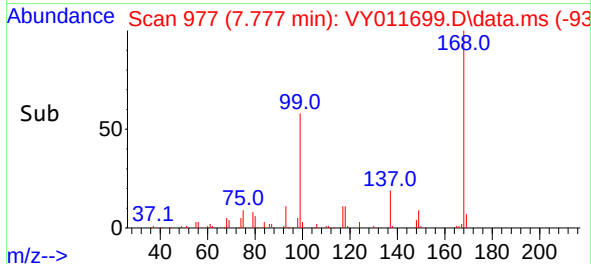
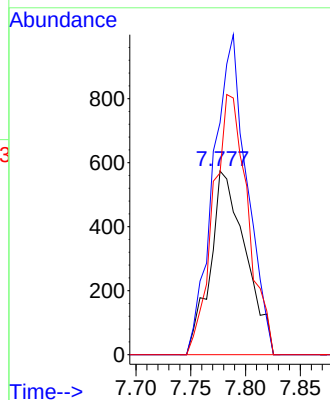
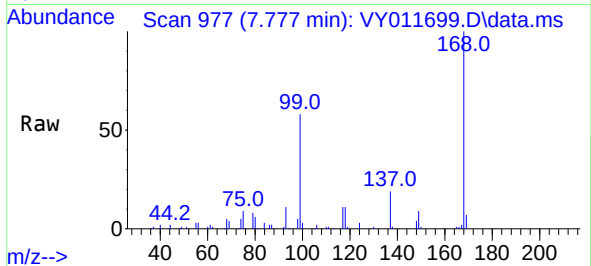




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

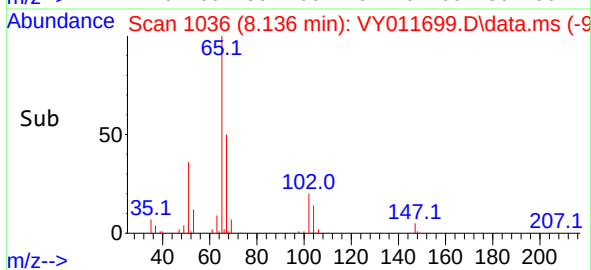
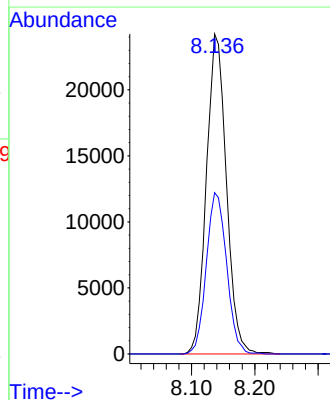
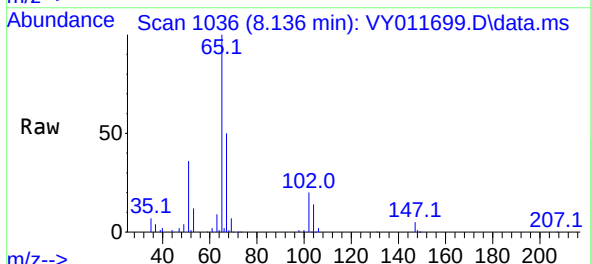
Instrument :
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HR-02-120222

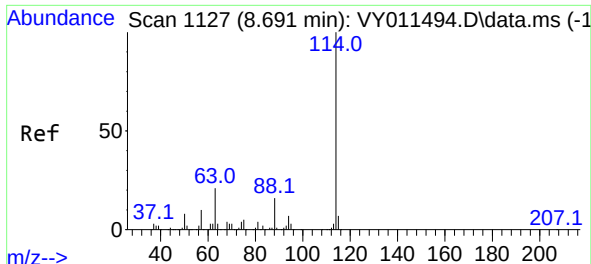
Tgt Ion: 56 Resp: 1285
Ion Ratio Lower Upper
56 100
69 126.3 26.7 40.1#
84 99.0 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 83.904 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion: 65 Resp: 53174
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011699.D

Acq: 05 Dec 2022 16:16

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-120222

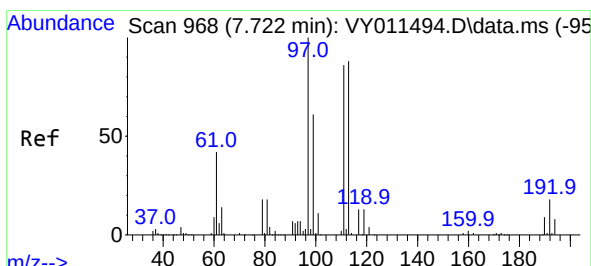
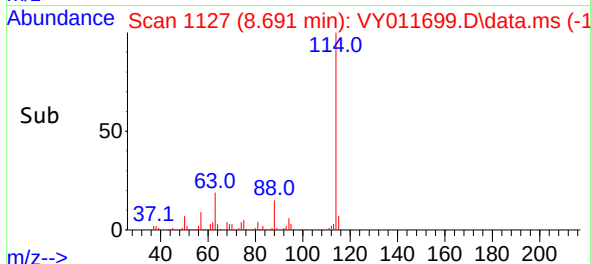
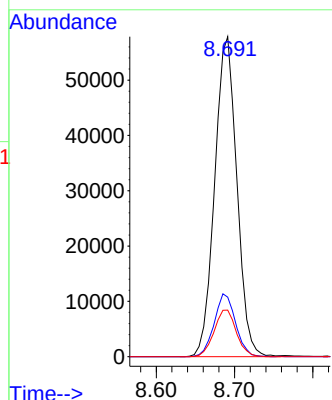
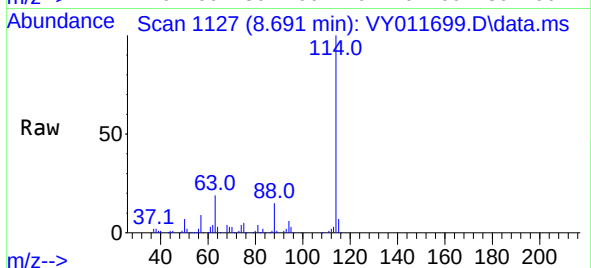
Tgt Ion:114 Resp: 113579

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 14.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.054 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011699.D

Acq: 05 Dec 2022 16:16

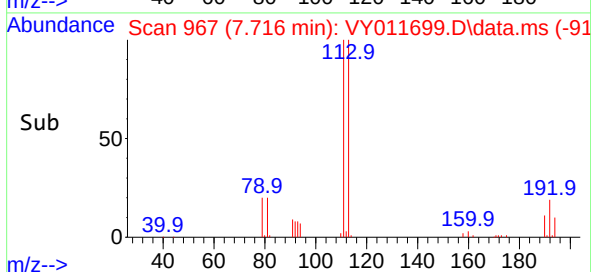
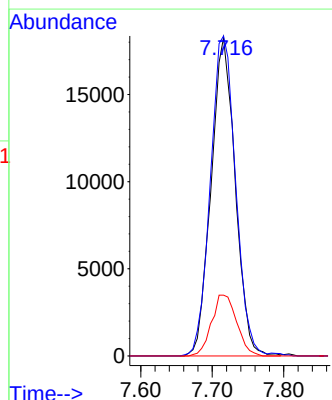
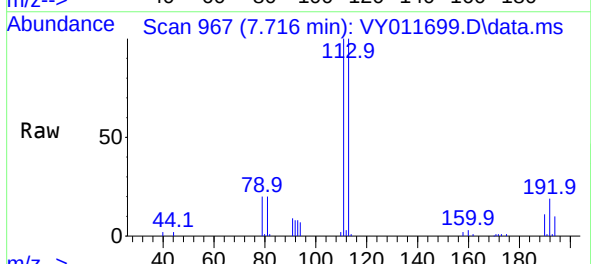
Tgt Ion:113 Resp: 42688

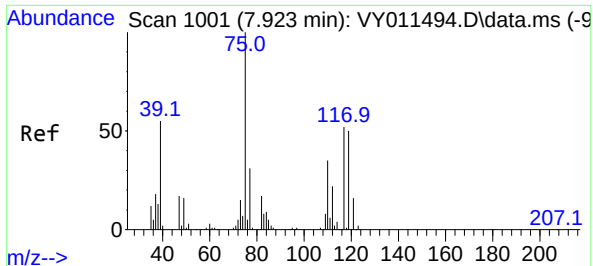
Ion Ratio Lower Upper

113 100

111 105.5 82.6 124.0

192 19.9 17.6 26.4

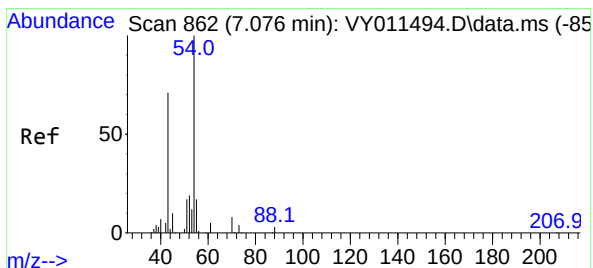
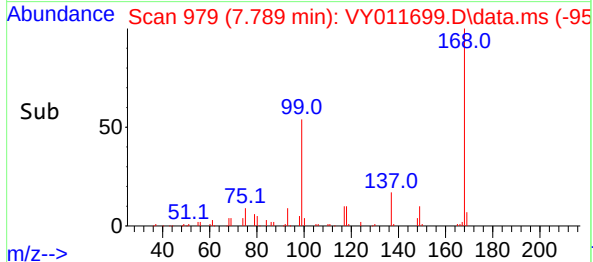
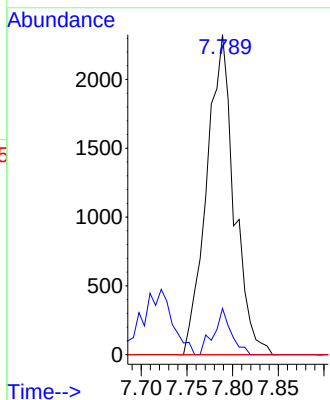
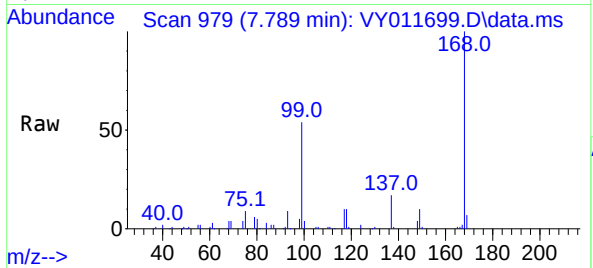




#36
1,1-Dichloropropene
Concen: 4.459 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

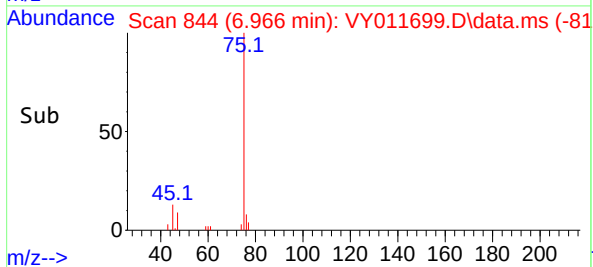
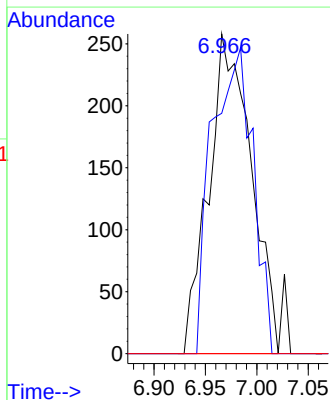
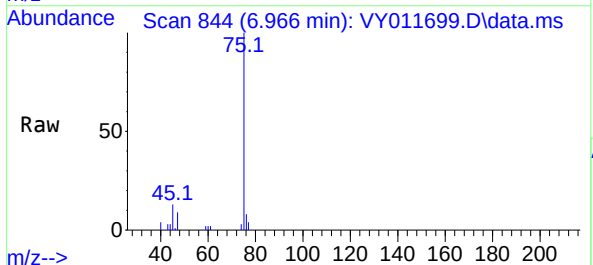
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

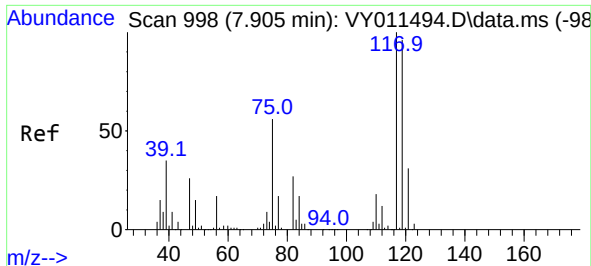
Tgt Ion: 75 Resp: 4873
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.192 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.110 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

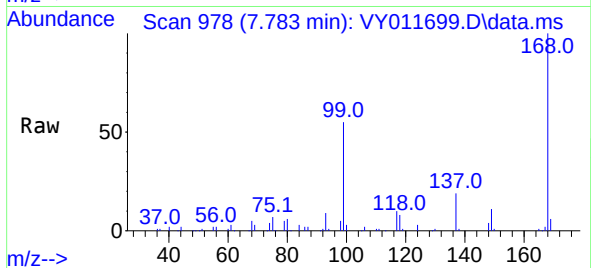
Tgt Ion: 43 Resp: 742
Ion Ratio Lower Upper
43 100
61 92.3 9.7 14.5#
70 0.0 7.1 10.7#



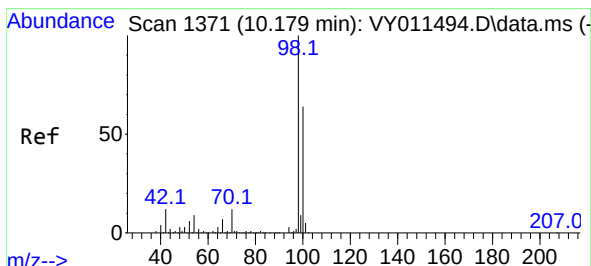
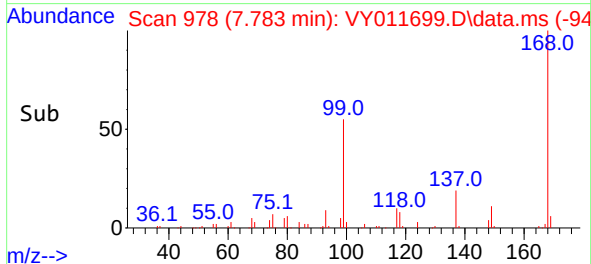
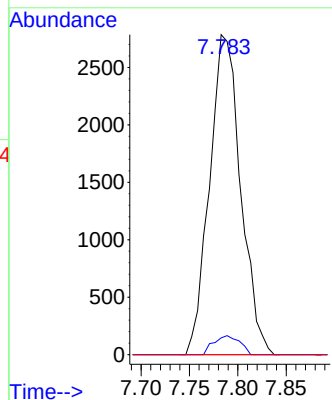


#38
Carbon Tetrachloride
Concen: 5.103 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

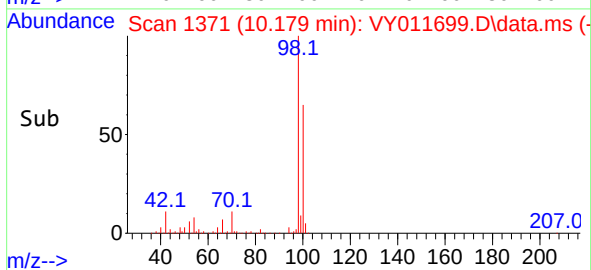
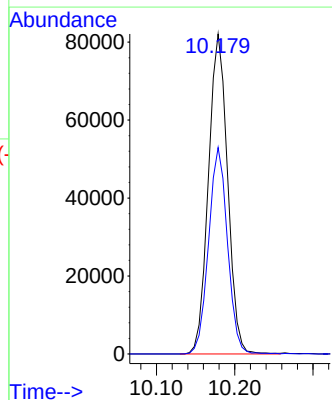
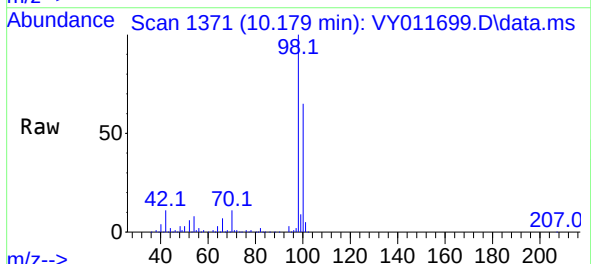


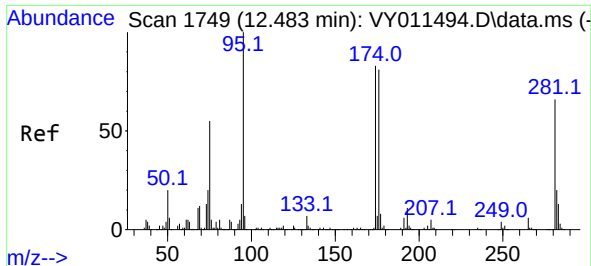
Tgt Ion:117 Resp: 6240
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.827 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion: 98 Resp: 139303
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2

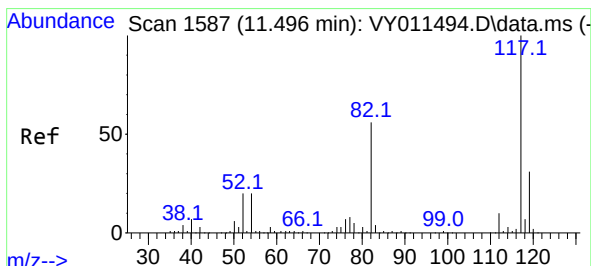
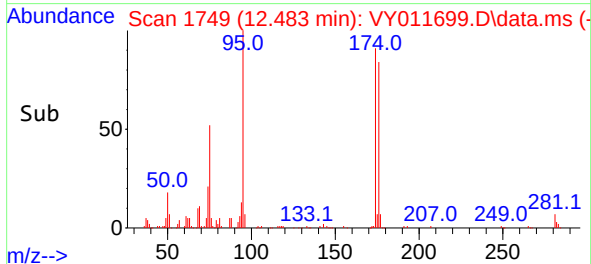
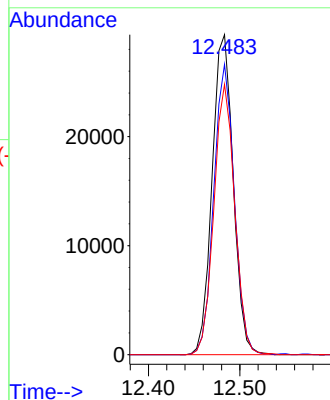
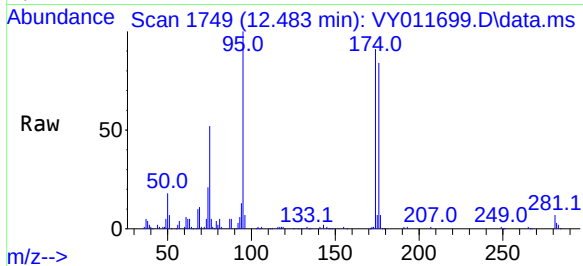




#62
4-Bromofluorobenzene
Concen: 50.056 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

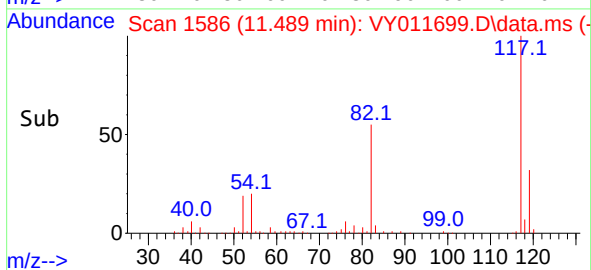
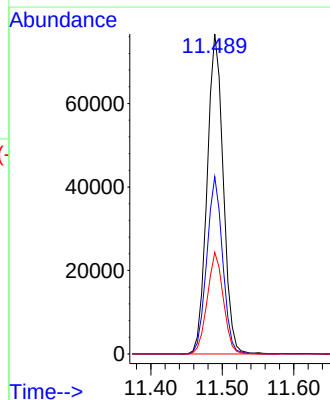
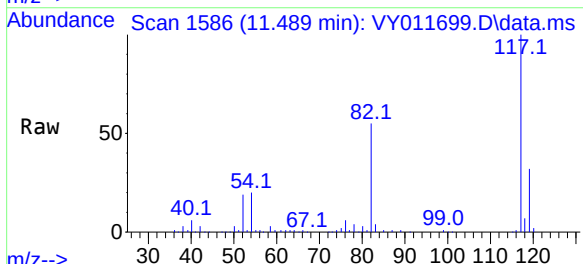
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

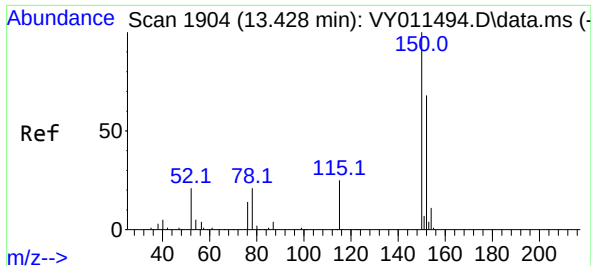
Tgt Ion:	95	Resp:	47023
Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	177.0
176	83.5	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion:	117	Resp:	120324
Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.0	64.4
119	31.7	25.4	38.0

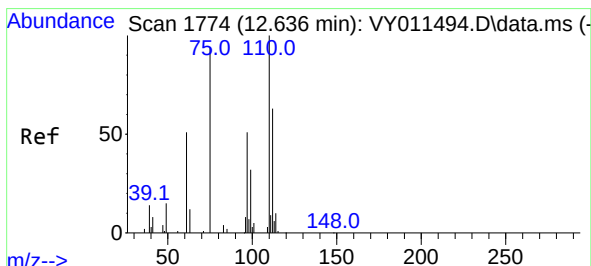
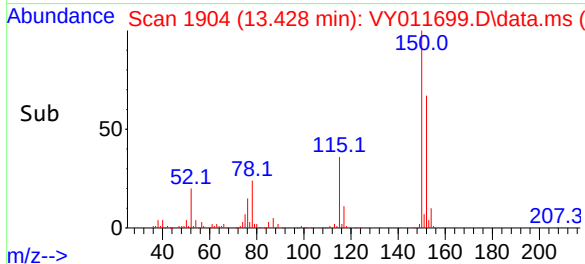
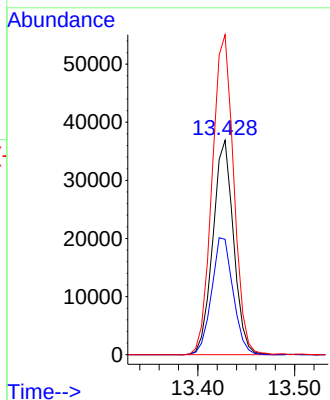
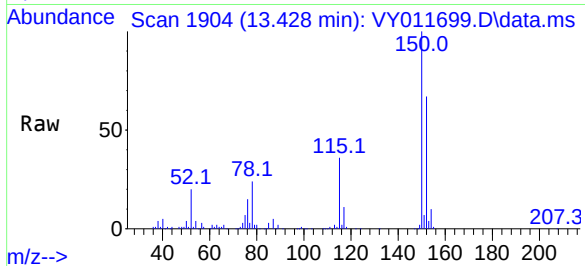




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

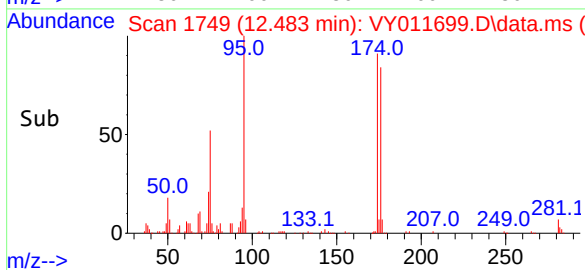
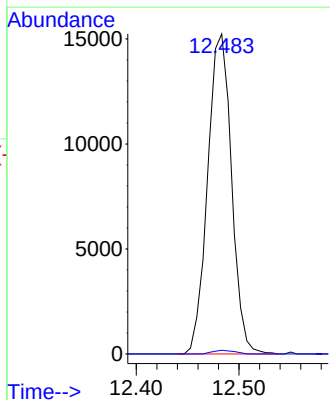
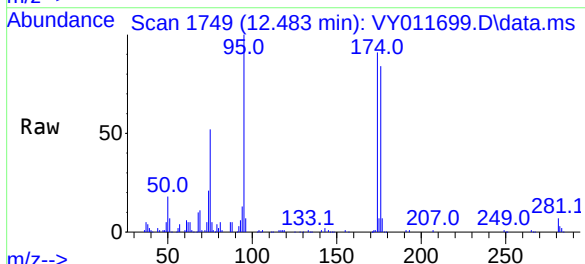
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

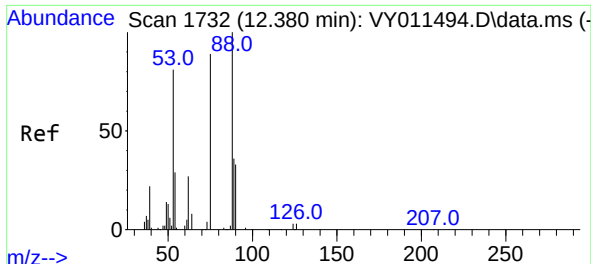
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.2	84.7
150	155.7	0.0	347.6



#76
1,2,3-Trichloropropane
Concen: 41.701 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#

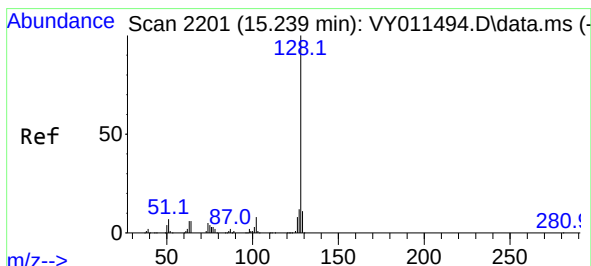
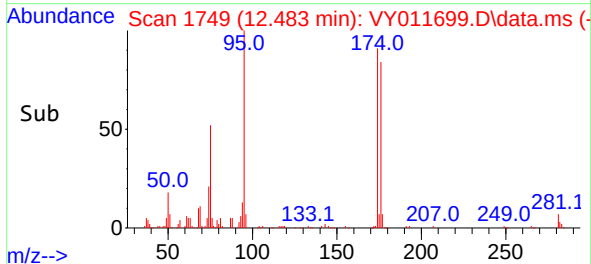
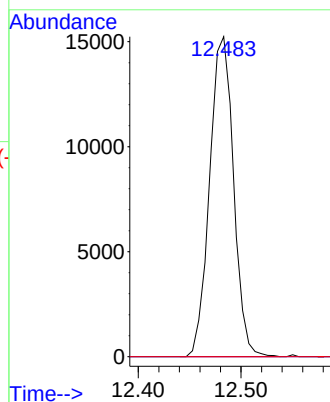
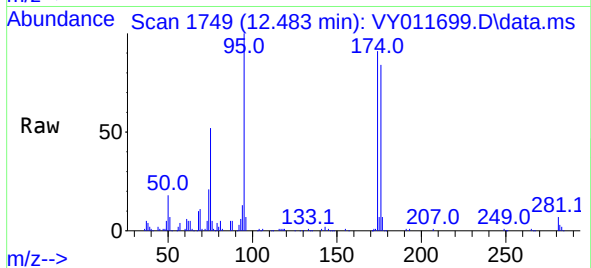




#81
trans-1,4-Dichloro-2-butene
Concen: 91.340 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Instrument :
MSVOA_Y
ClientSampleId :
HR-02-120222

Tgt Ion: 75 Resp: 24614
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 4.116 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011699.D
Acq: 05 Dec 2022 16:16

Tgt Ion:128 Resp: 202
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

