

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011842.D
 Acq On : 14 Dec 2022 14:03
 Operator : KP/MD
 Sample : N6046-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-121322RE

Quant Time: Dec 15 01:19:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

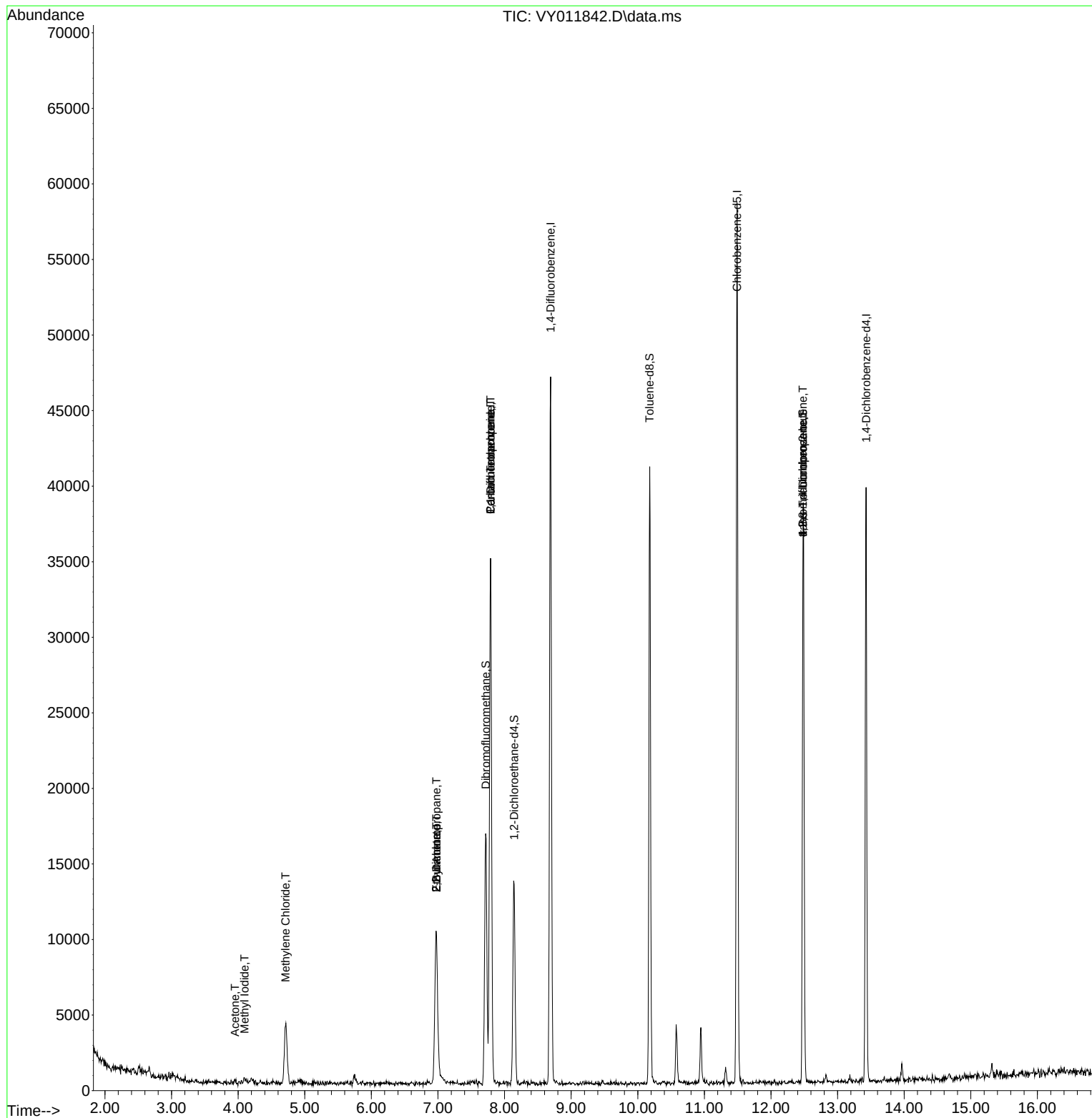
Internal Standards						
1) Pentafluorobenzene	7.789	168	26939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	40453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	32689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10978	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	10767	59.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.960%	
35) Dibromofluoromethane	7.716	113	11722	66.504	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 133.000%	
50) Toluene-d8	10.179	98	27934	47.008	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.020%	
62) 4-Bromofluorobenzene	12.477	95	10917	46.200	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	116	Below Cal	#	41
4) Vinyl Chloride	2.327	62	50	Below Cal	#	43
5) Bromomethane	2.668	94	194	Below Cal		88
10) Methyl Iodide	4.095	142	295	1.140	ug/l #	65
11) Tert butyl alcohol	4.942	59	61	Below Cal	#	74
16) Acetone	3.954	43	249	3.385	ug/l #	40
20) Methylene Chloride	4.710	84	3207	7.221	ug/l #	93
25) 2-Butanone	6.978	43	416	4.397	ug/l #	46
26) 2,2-Dichloropropane	6.978	77	852	2.063	ug/l #	53
31) Cyclohexane	7.783	56	301	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	2087	6.799	ug/l #	42
37) Ethyl Acetate	6.978	43	416	2.318	ug/l #	1
38) Carbon Tetrachloride	7.789	117	2706	7.504	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	5374	48.385	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5374	109.794	ug/l #	13

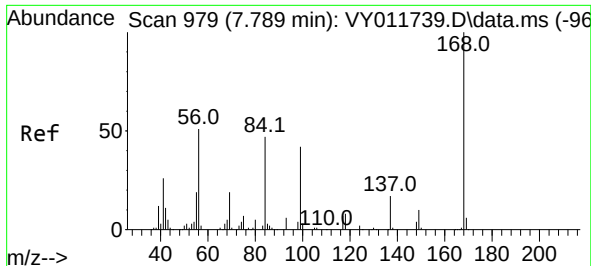
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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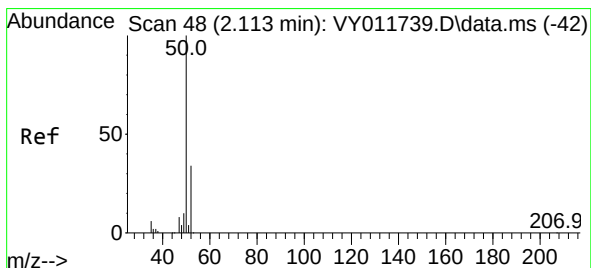
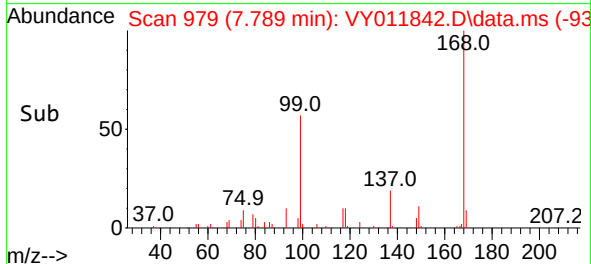
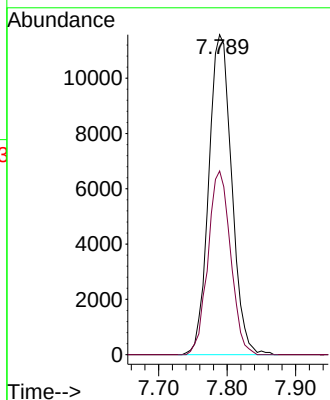
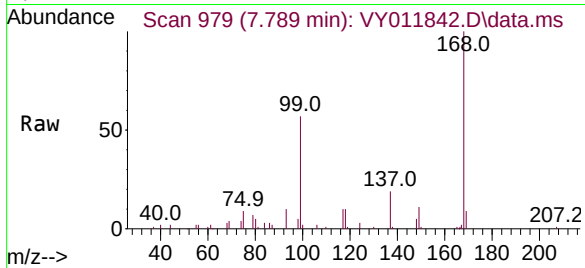




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

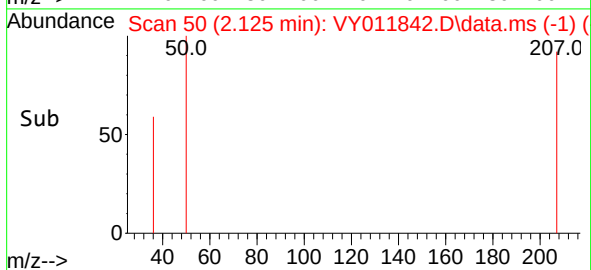
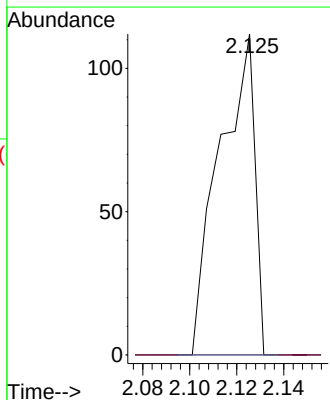
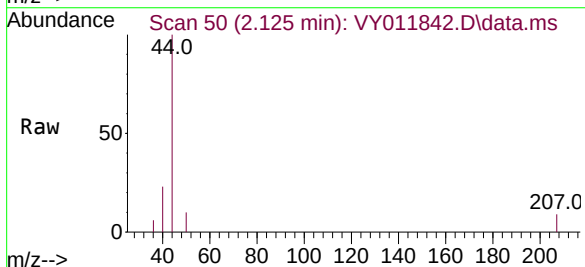
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322RE

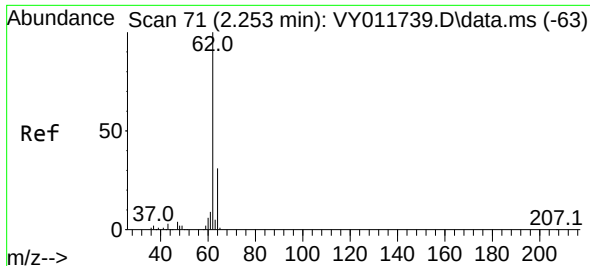
Tgt Ion:168 Resp: 26939
Ion Ratio Lower Upper
168 100
99 57.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Tgt Ion: 50 Resp: 116
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

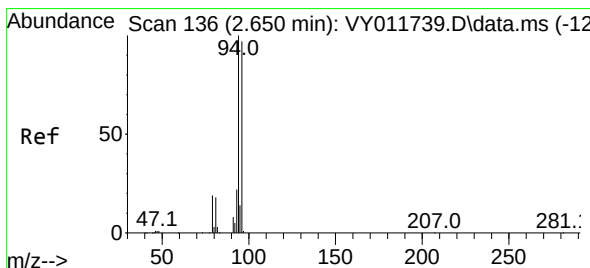
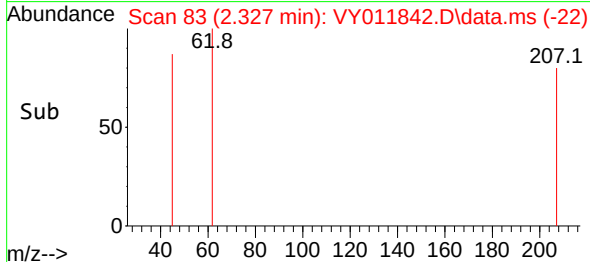
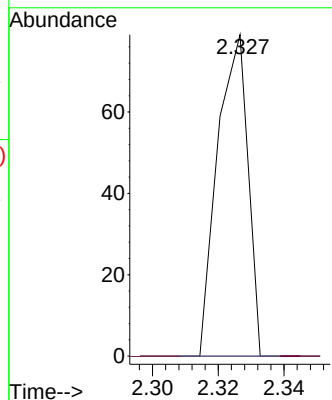
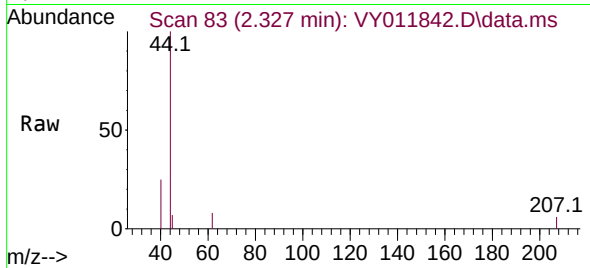




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.327 min Scan# 81
 Delta R.T. 0.074 min
 Lab File: VY011842.D
 Acq: 14 Dec 2022 14:03

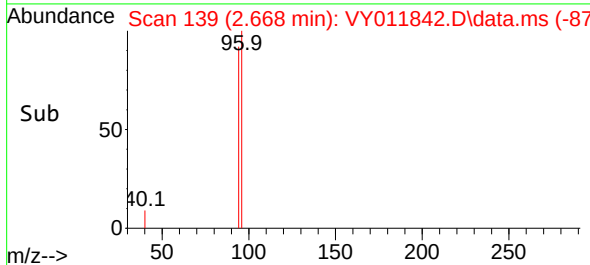
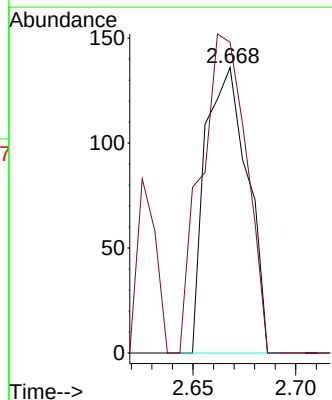
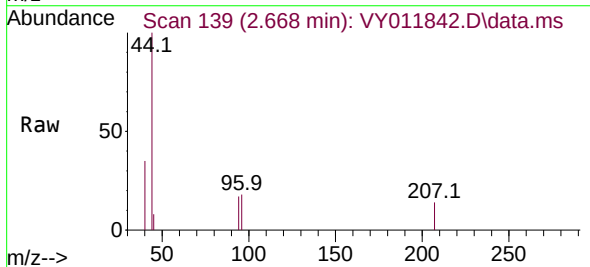
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-02-121322RE

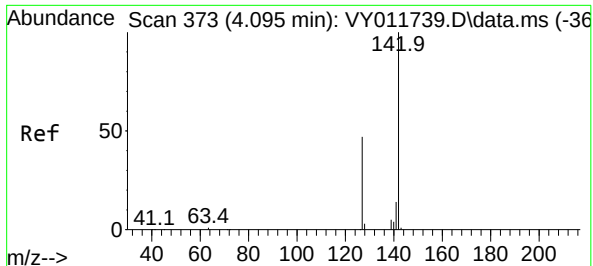
Tgt Ion: 62 Resp: 50
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.668 min Scan# 139
 Delta R.T. 0.018 min
 Lab File: VY011842.D
 Acq: 14 Dec 2022 14:03

Tgt Ion: 94 Resp: 194
 Ion Ratio Lower Upper
 94 100
 96 108.8 77.4 116.2





#10

Methyl Iodide

Concen: 1.140 ug/l

RT: 4.095 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY011842.D

Acq: 14 Dec 2022 14:03

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-121322RE

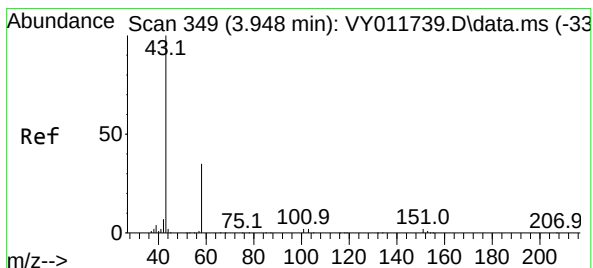
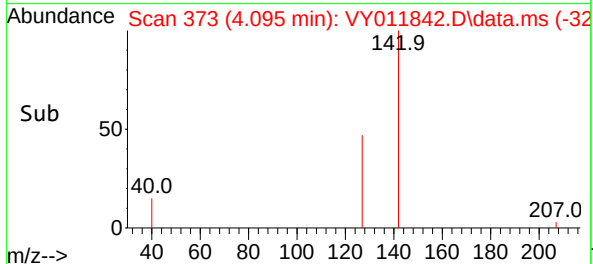
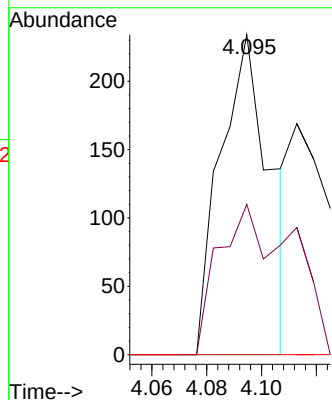
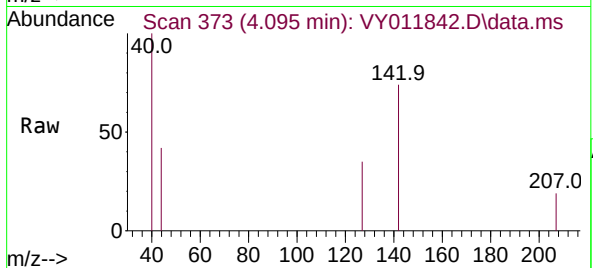
Tgt Ion:142 Resp: 295

Ion Ratio Lower Upper

142 100

127 69.8 37.0 55.4#

141 0.0 11.4 17.0#



#16

Acetone

Concen: 3.385 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY011842.D

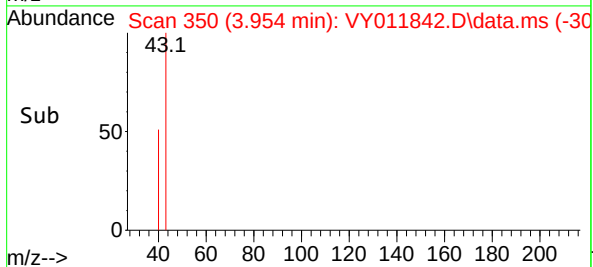
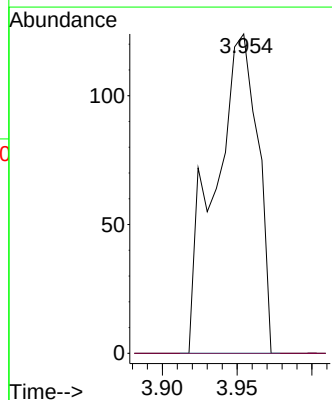
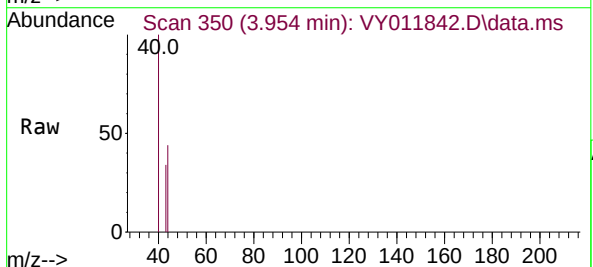
Acq: 14 Dec 2022 14:03

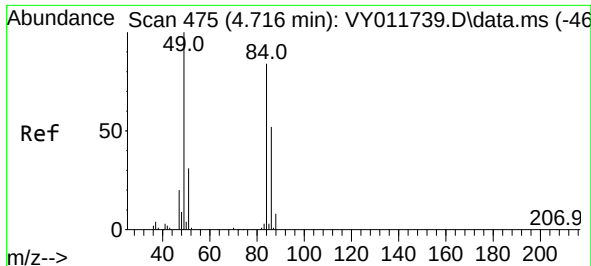
Tgt Ion: 43 Resp: 249

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#

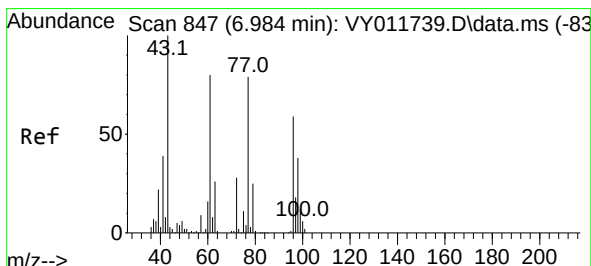
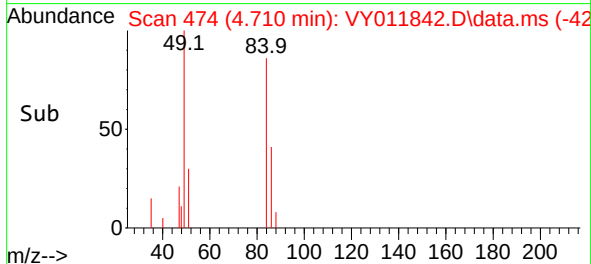
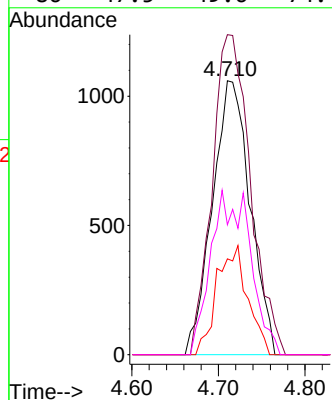
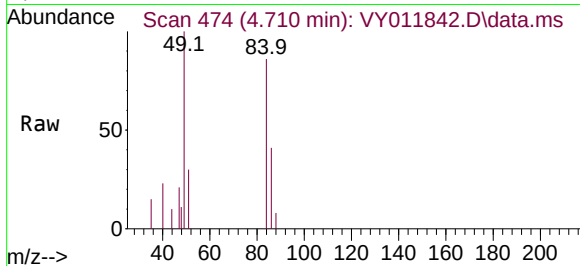




#20
Methylene Chloride
Concen: 7.221 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

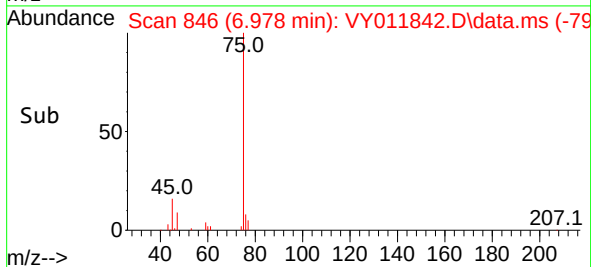
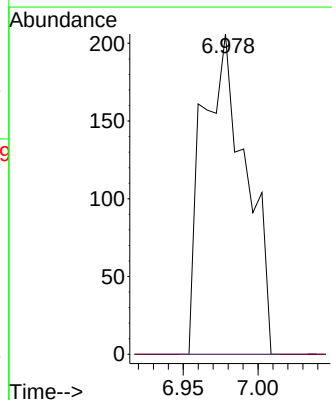
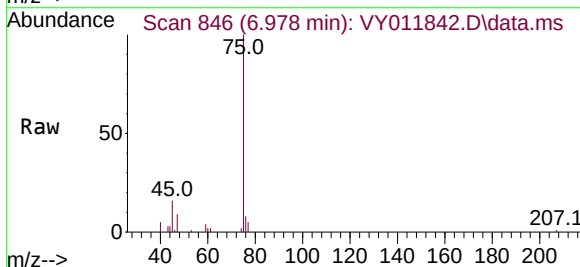
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322RE

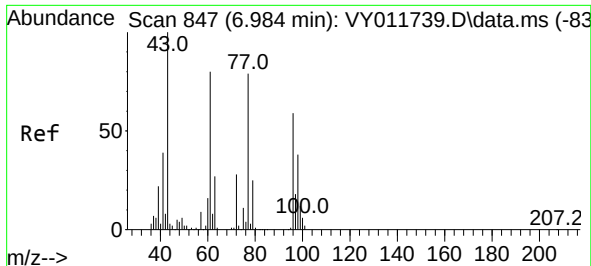
Tgt Ion: 84	Resp:	3207	
Ion	Ratio	Lower	Upper
84	100		
49	116.8	95.4	143.2
51	35.0	29.9	44.9
86	47.5	49.6	74.4#



#25
2-Butanone
Concen: 4.397 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Tgt Ion: 43	Resp:	416	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#

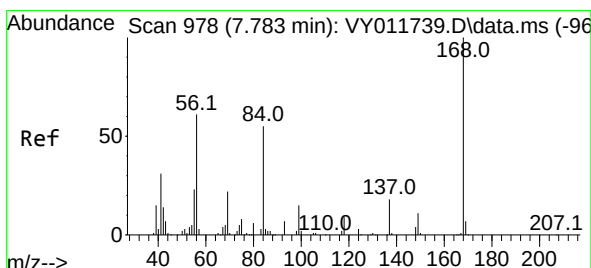
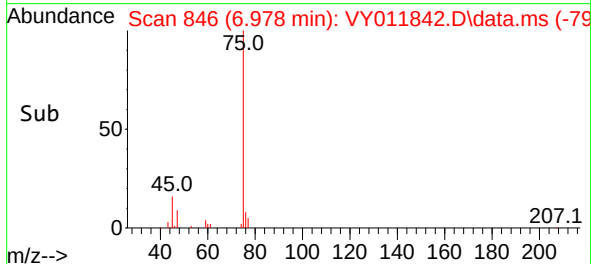
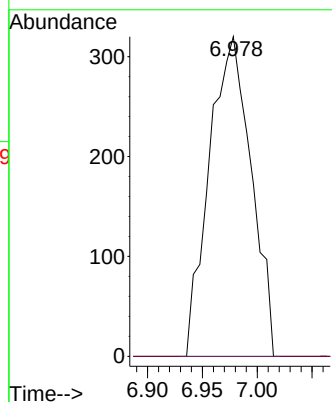
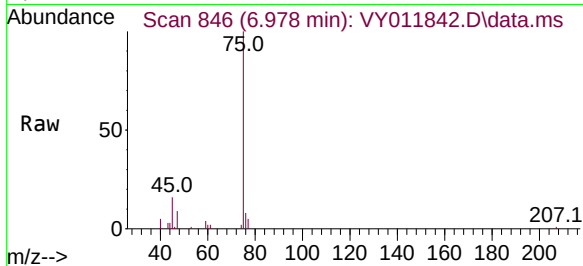




#26
2,2-Dichloropropane
Concen: 2.063 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

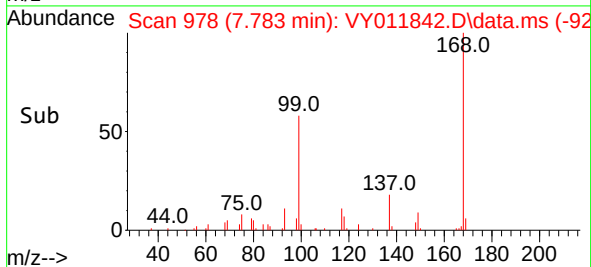
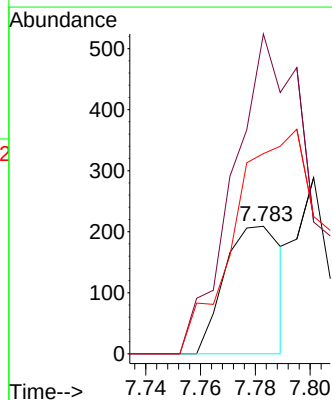
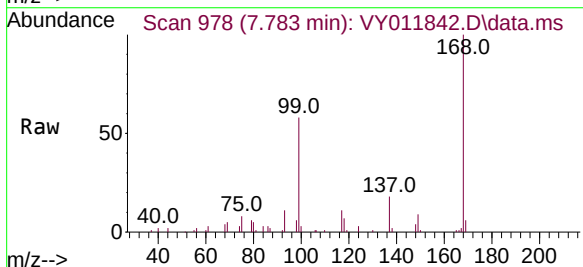
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322RE

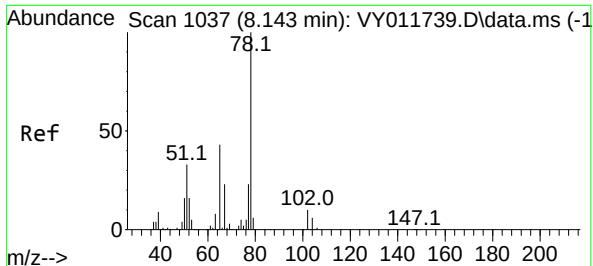
Tgt Ion: 77 Resp: 852
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Tgt Ion: 56 Resp: 301
Ion Ratio Lower Upper
56 100
69 250.7 29.2 43.8#
84 156.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 59.480 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011842.D

Acq: 14 Dec 2022 14:03

Instrument :

MSVOA_Y

ClientSampleId :

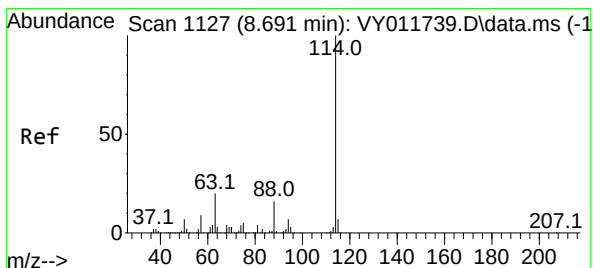
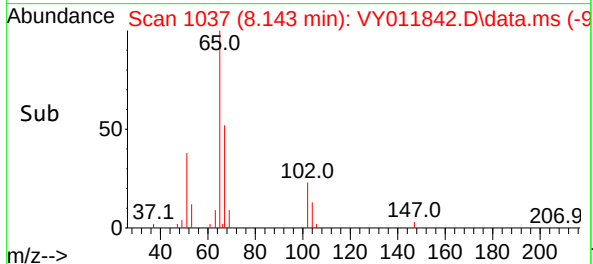
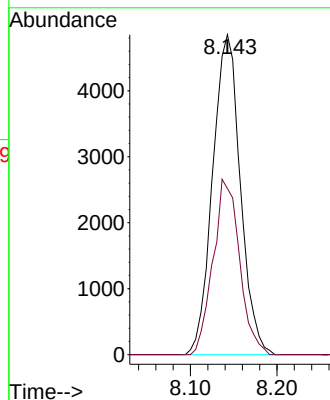
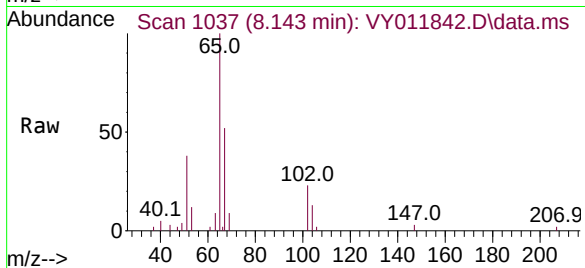
HR-02-121322RE

Tgt Ion: 65 Resp: 10767

Ion Ratio Lower Upper

65 100

67 52.5 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: VY011842.D

Acq: 14 Dec 2022 14:03

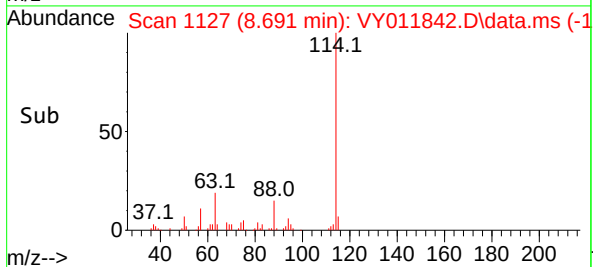
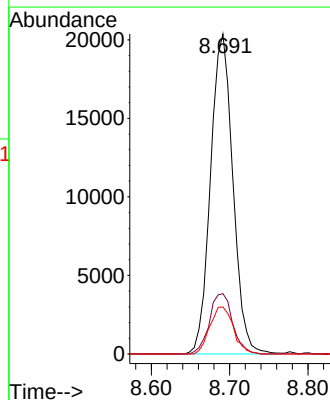
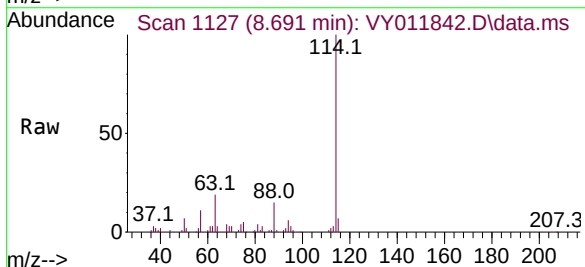
Tgt Ion: 114 Resp: 40453

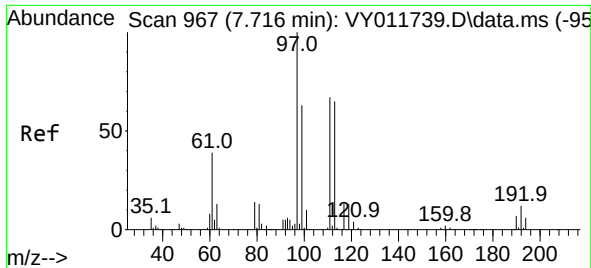
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 14.7 0.0 32.2

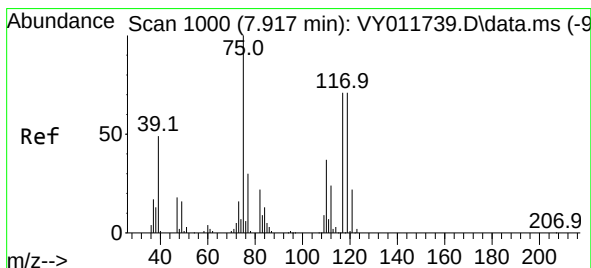
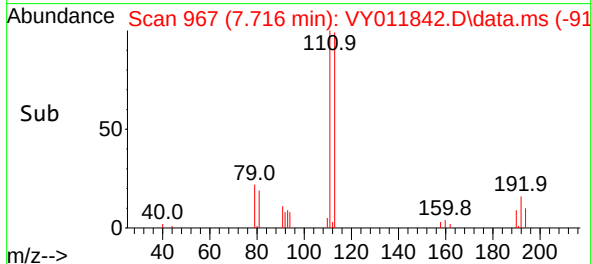
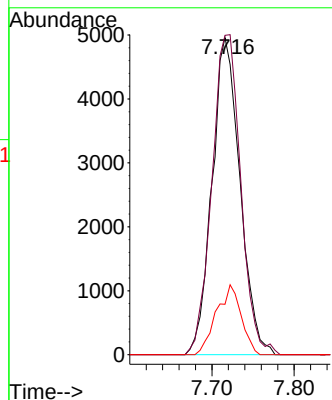
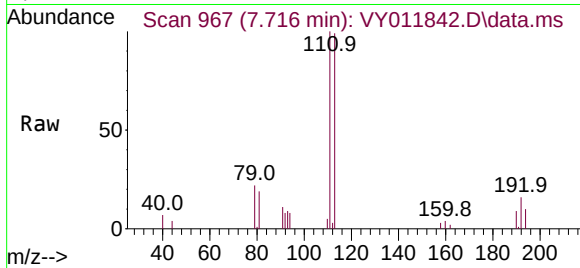




#35
Dibromofluoromethane
Concen: 66.504 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

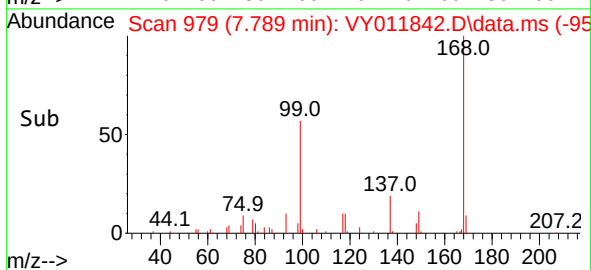
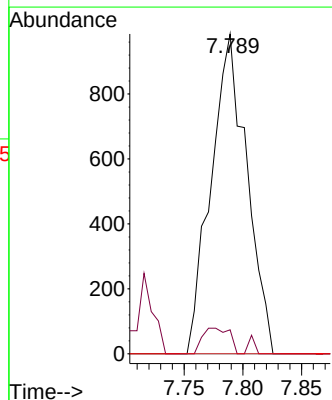
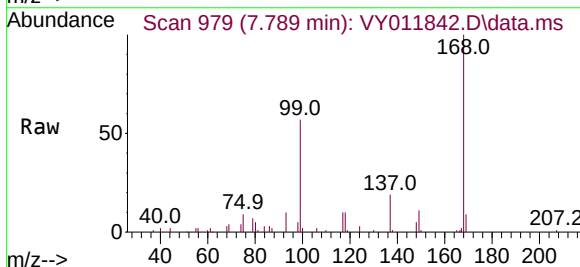
Instrument :
MSVOA_Y
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HR-02-121322RE

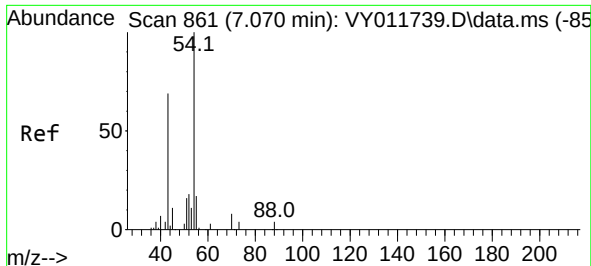
Tgt Ion:113 Resp: 11722
Ion Ratio Lower Upper
113 100
111 104.0 83.0 124.4
192 19.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 6.799 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Tgt Ion: 75 Resp: 2087
Ion Ratio Lower Upper
75 100
110 1.0 18.1 54.1#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 2.318 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY011842.D

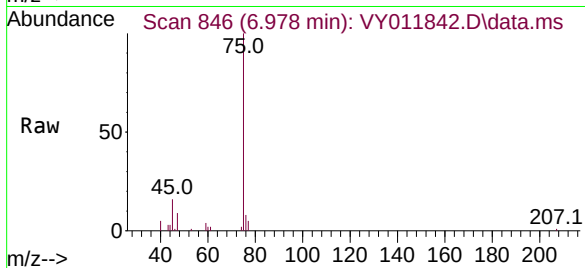
Acq: 14 Dec 2022 14:03

Instrument :

MSVOA_Y

ClientSampleId :

HR-02-121322RE



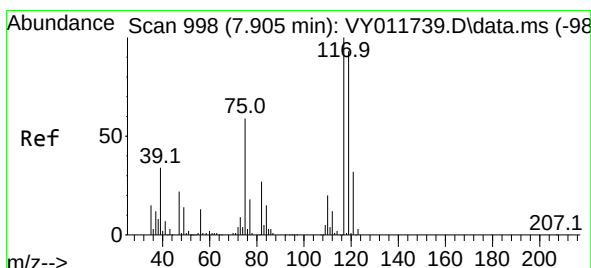
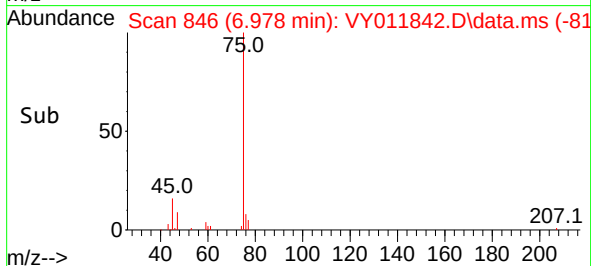
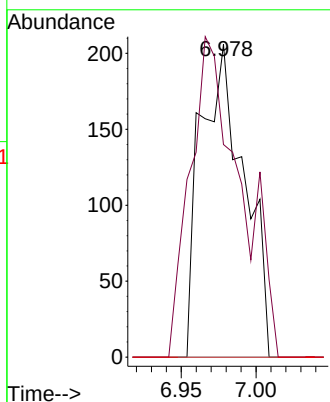
Tgt Ion: 43 Resp: 416

Ion Ratio Lower Upper

43 100

61 118.5 11.3 16.9#

70 0.0 8.2 12.4#



#38

Carbon Tetrachloride

Concen: 7.504 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011842.D

Acq: 14 Dec 2022 14:03

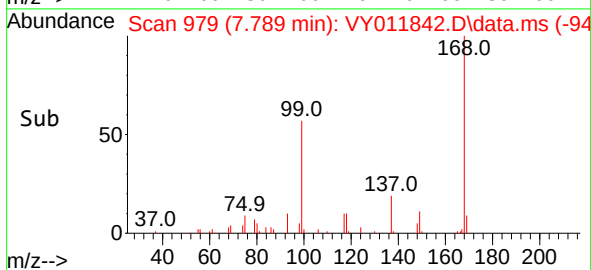
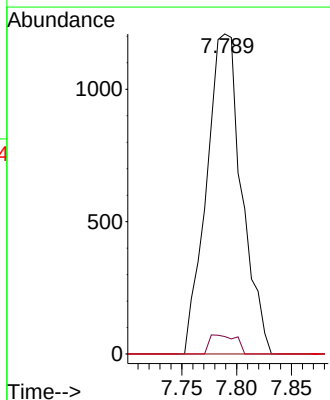
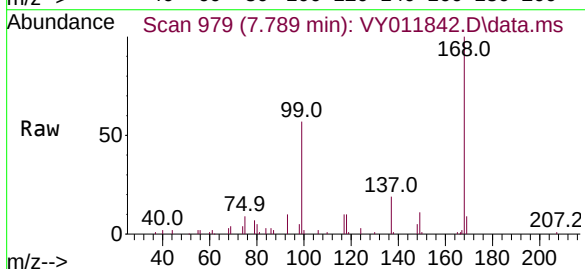
Tgt Ion: 117 Resp: 2706

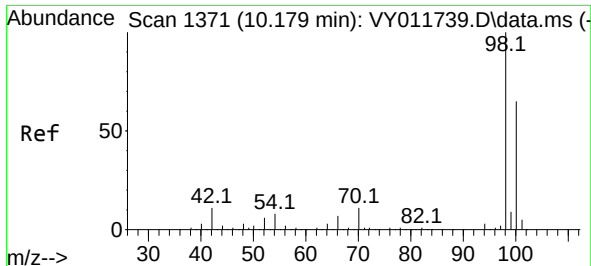
Ion Ratio Lower Upper

117 100

119 5.5 73.8 110.8#

121 0.0 25.2 37.8#

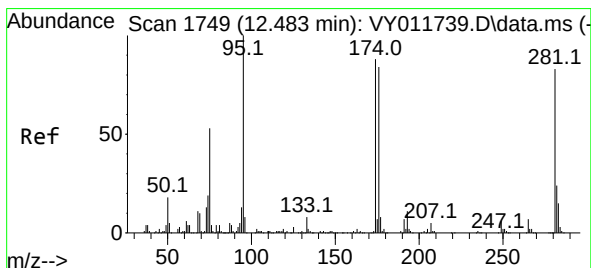
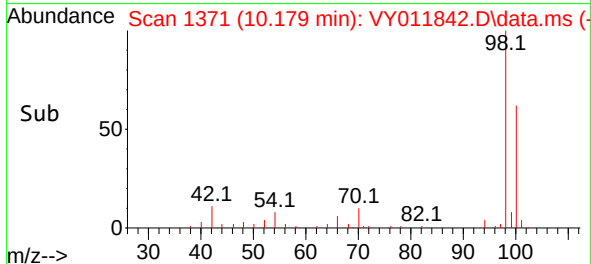
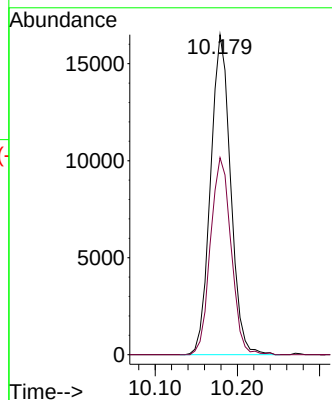
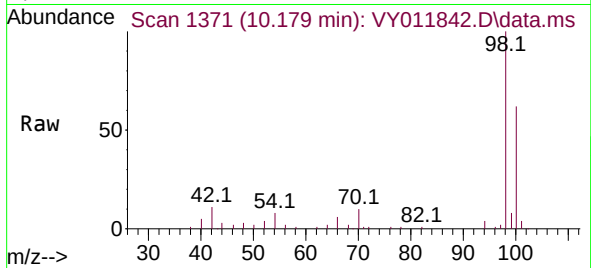




#50
Toluene-d8
Concen: 47.008 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

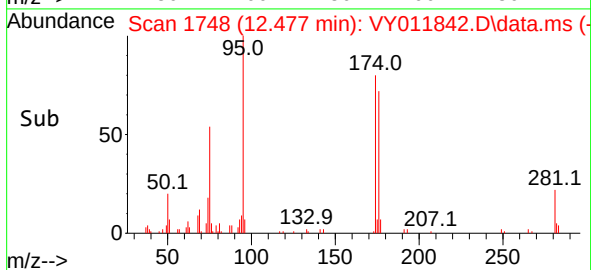
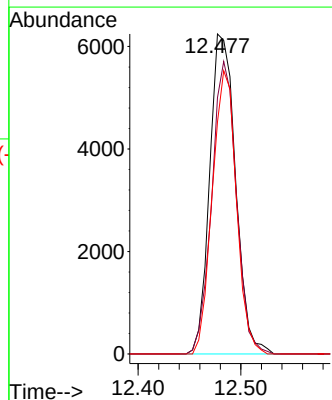
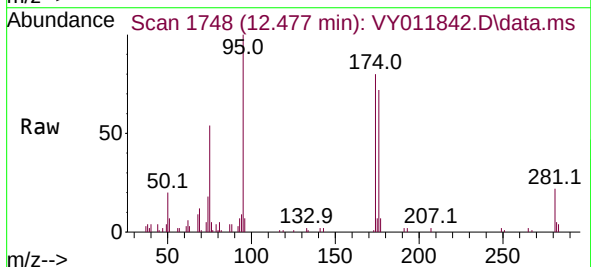
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322RE

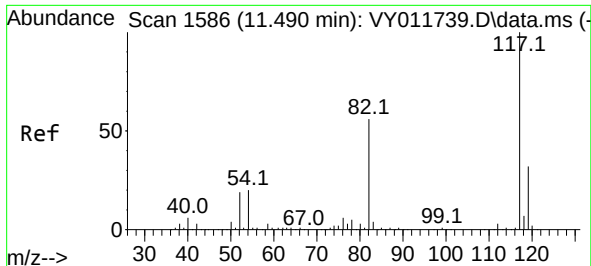
Tgt Ion: 98 Resp: 27934
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 46.200 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Tgt Ion: 95 Resp: 10917
Ion Ratio Lower Upper
95 100
174 87.0 0.0 172.0
176 82.4 0.0 167.6

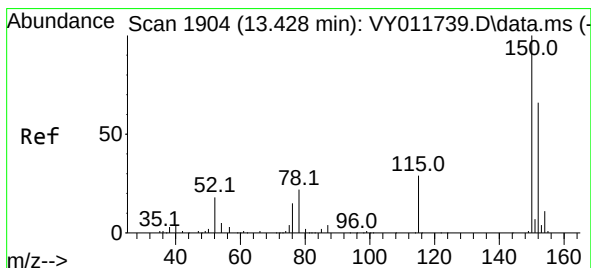
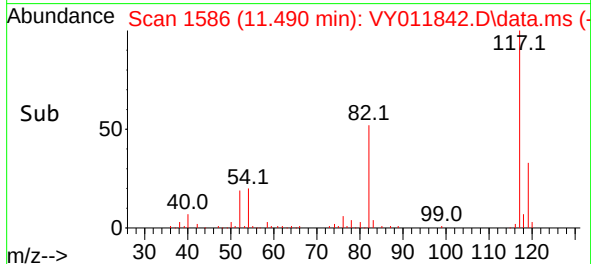
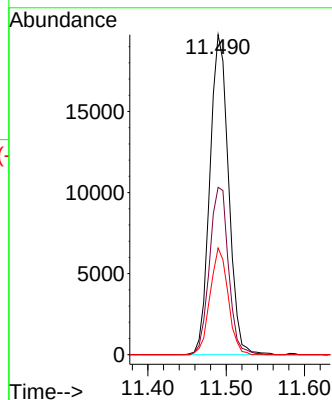
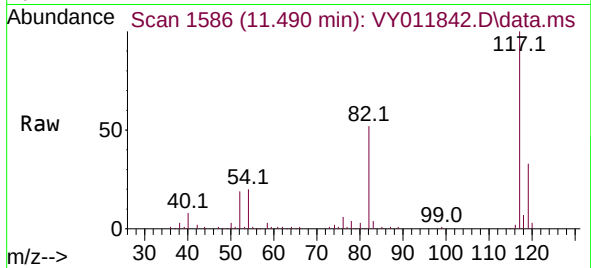




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

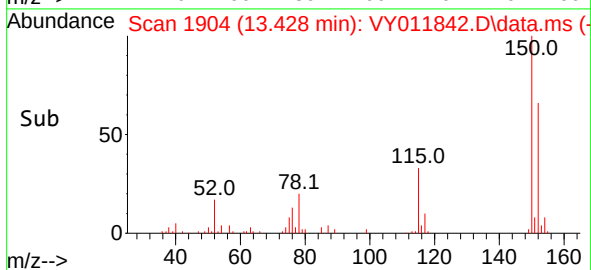
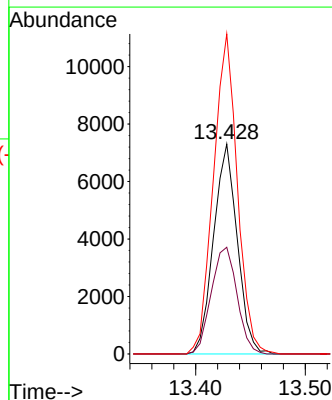
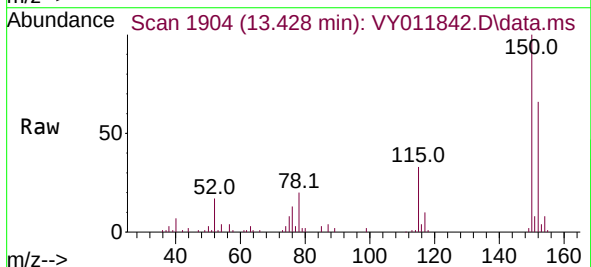
Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322RE

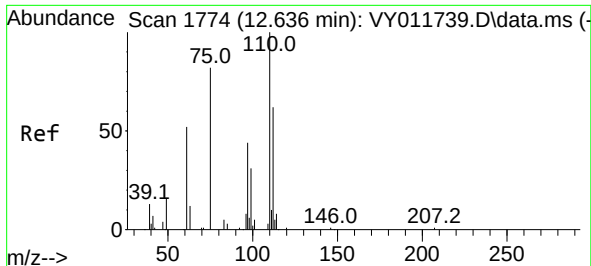
Tgt Ion:117 Resp: 32689
Ion Ratio Lower Upper
117 100
82 52.3 44.8 67.2
119 33.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Tgt Ion:152 Resp: 10978
Ion Ratio Lower Upper
152 100
115 55.3 29.1 87.3
150 153.7 0.0 342.6

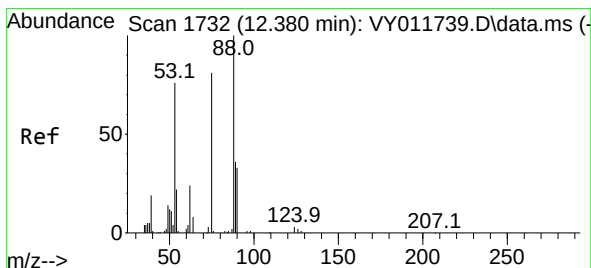
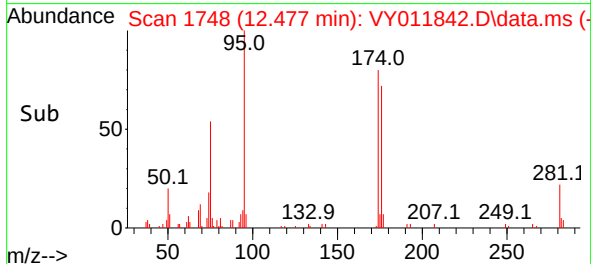
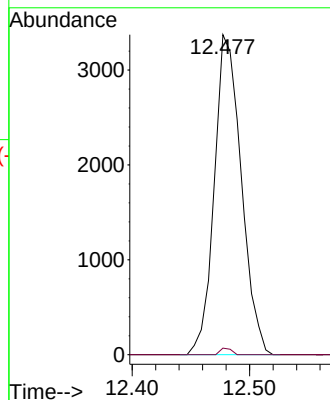
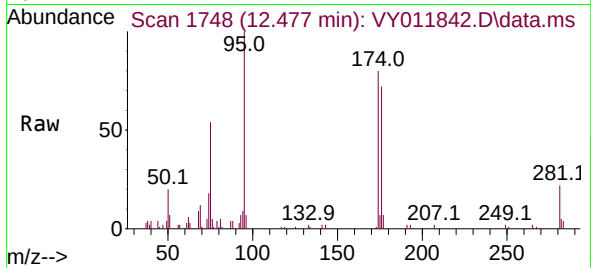




#76
1,2,3-Trichloropropane
Concen: 48.385 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Instrument :
MSVOA_Y
ClientSampleId :
HR-02-121322RE

Tgt Ion: 75 Resp: 5374
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.794 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY011842.D
Acq: 14 Dec 2022 14:03

Tgt Ion: 75 Resp: 5374
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

