

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011841.D
 Acq On : 14 Dec 2022 13:40
 Operator : KP/MD
 Sample : N6046-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-121322

Quant Time: Dec 15 01:19:34 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)

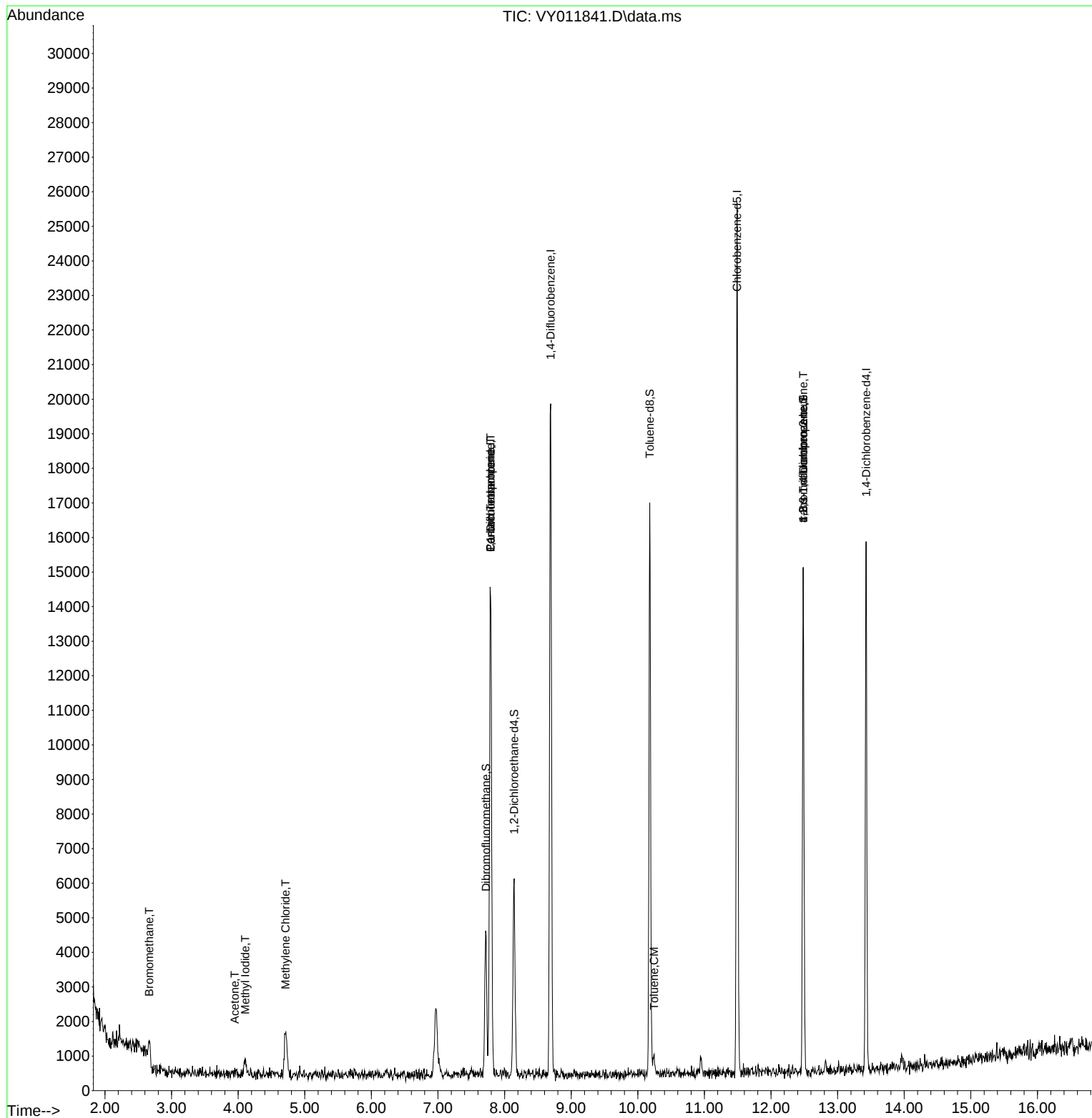
Internal Standards						
1) Pentafluorobenzene	7.789	168	11483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	17248	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14229	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4451	57.525	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.040%
35) Dibromofluoromethane	7.722	113	2856	36.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	72.400%
50) Toluene-d8	10.179	98	11425	44.781	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.560%
62) 4-Bromofluorobenzene	12.483	95	4344	42.781	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.560%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	156	Below Cal	#	41
5) Bromomethane	2.662	94	267	1.359	ug/l #	67
10) Methyl Iodide	4.107	142	814	7.378	ug/l #	88
16) Acetone	3.948	43	128	4.082	ug/l #	40
20) Methylene Chloride	4.710	84	1004	3.536	ug/l #	83
31) Cyclohexane	7.783	56	168	Below Cal	#	34
36) 1,1-Dichloropropene	7.789	75	961	7.342	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1192	7.753	ug/l #	14
52) Toluene	10.246	92	283	1.138	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	2244	51.521	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2244	116.911	ug/l #	13

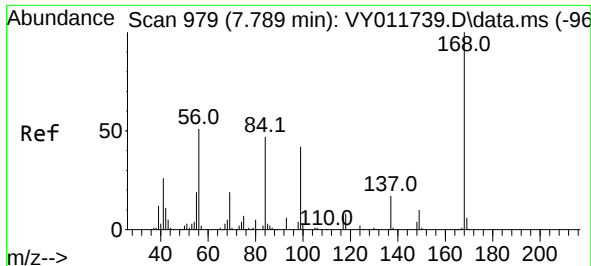
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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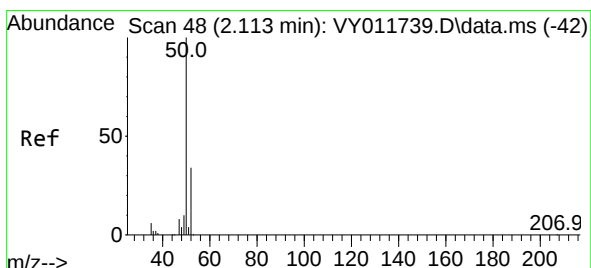
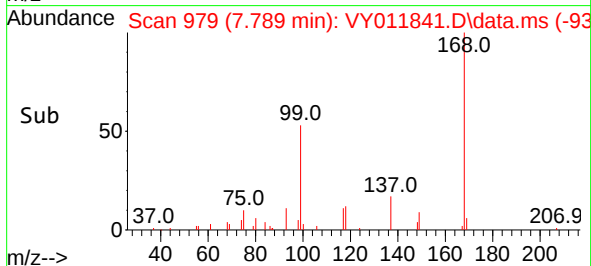
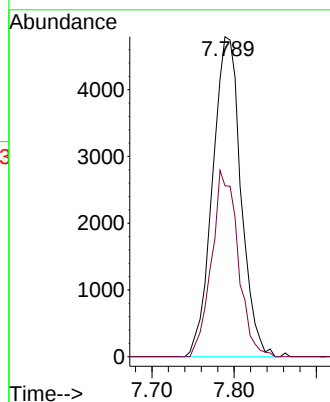
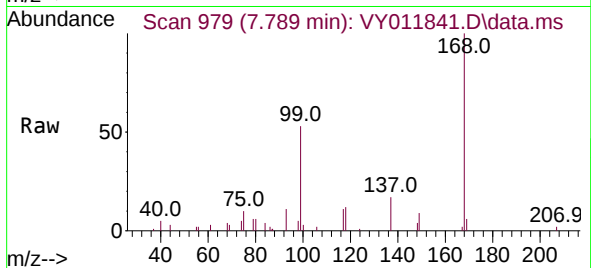




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

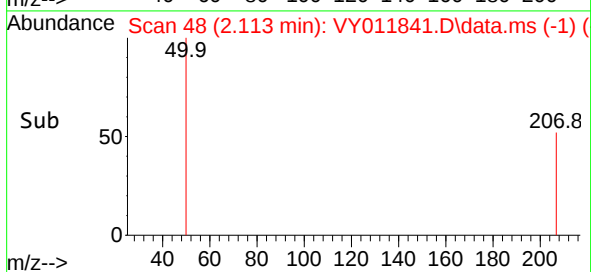
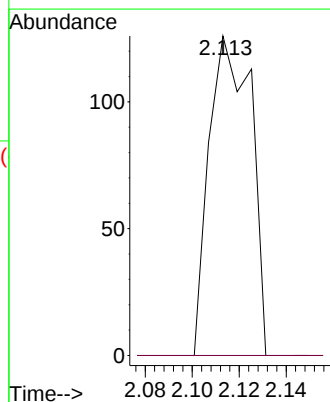
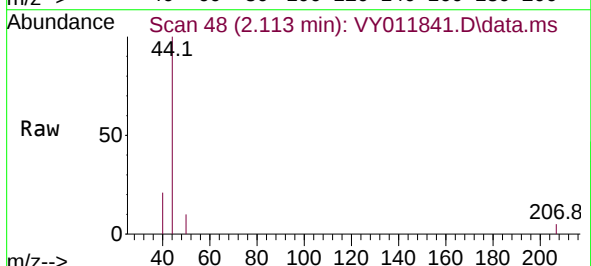
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121322

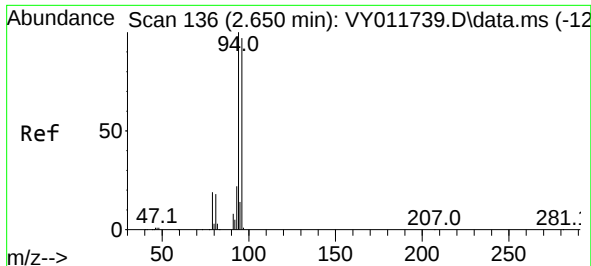
Tgt Ion:168 Resp: 11483
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

Tgt Ion: 50 Resp: 156
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

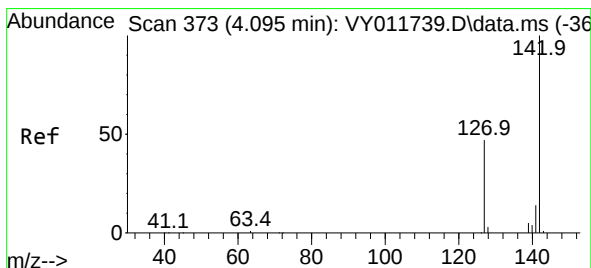
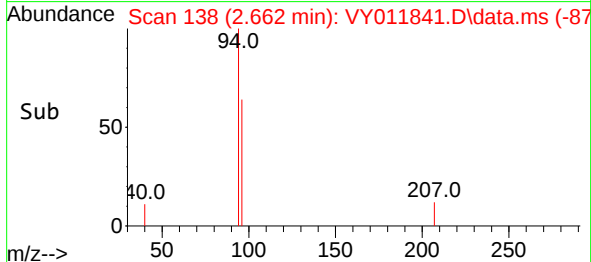
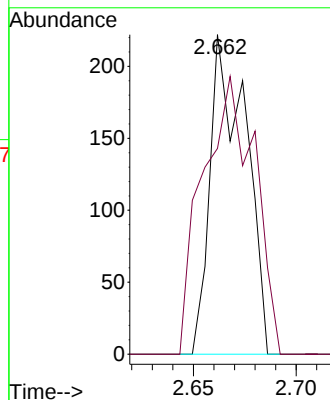
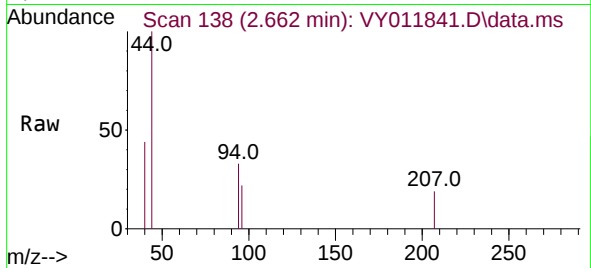




#5
Bromomethane
Concen: 1.359 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

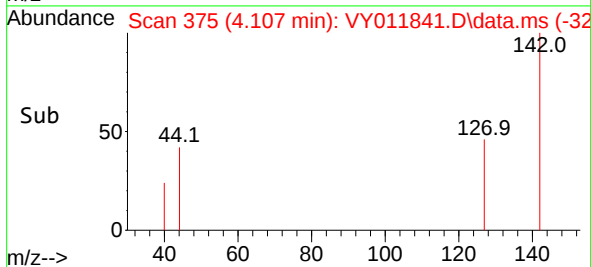
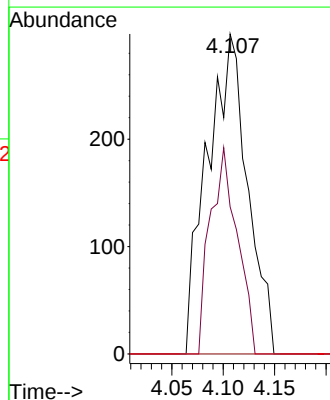
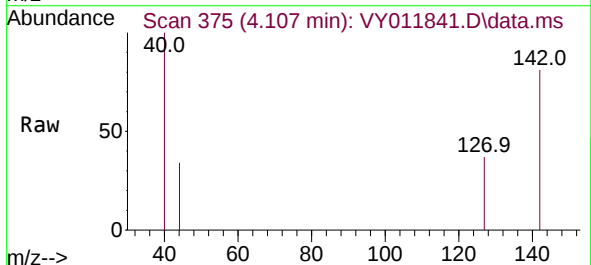
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121322

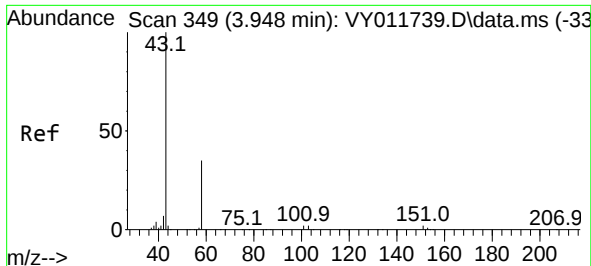
Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 64.4 77.4 116.2#



#10
Methyl Iodide
Concen: 7.378 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.012 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

Tgt Ion: 142 Resp: 814
Ion Ratio Lower Upper
142 100
127 43.2 37.0 55.4
141 0.0 11.4 17.0#

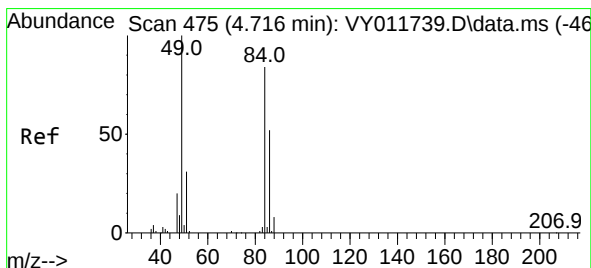
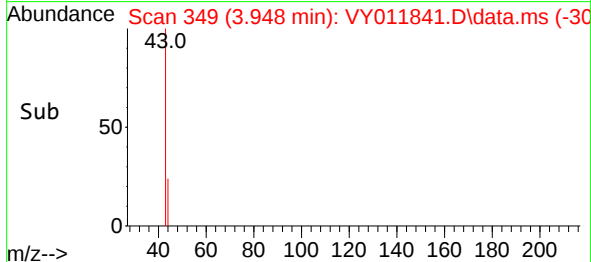
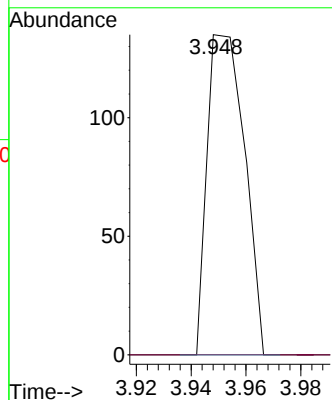
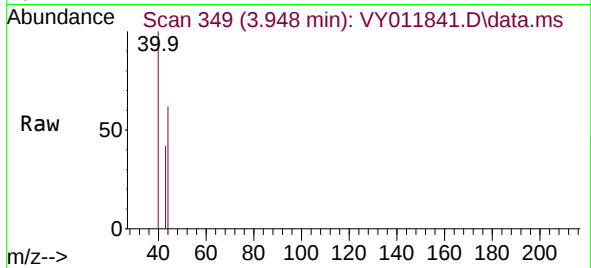




#16
Acetone
Concen: 4.082 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

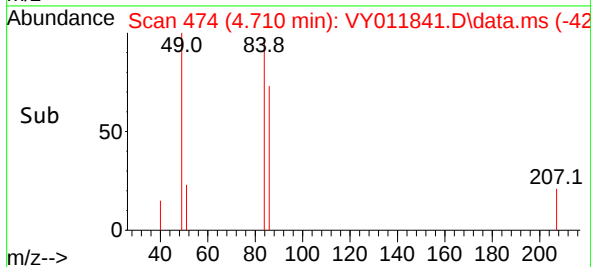
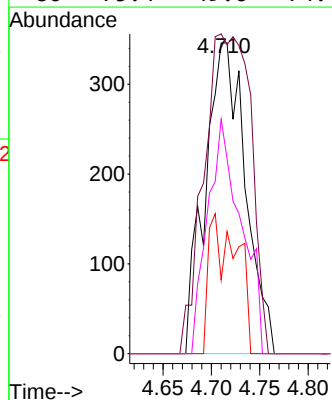
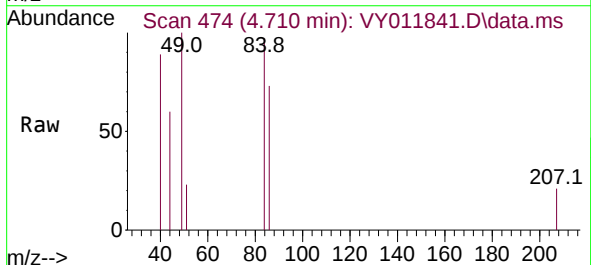
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121322

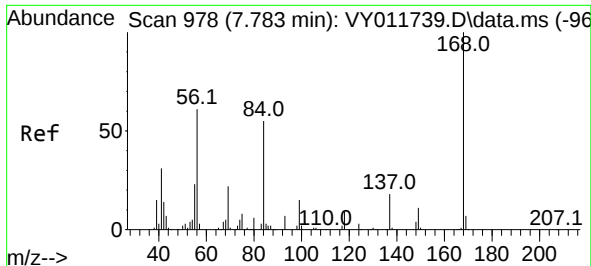
Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: 3.536 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

Tgt Ion: 84 Resp: 1004
Ion Ratio Lower Upper
84 100
49 102.9 95.4 143.2
51 23.7 29.9 44.9#
86 75.4 49.6 74.4#

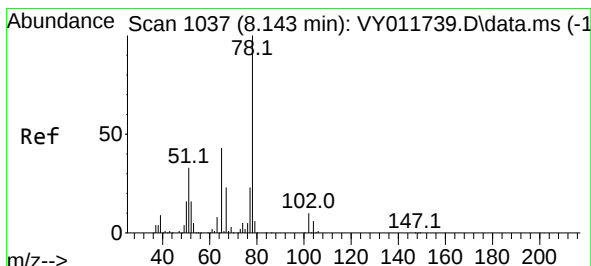
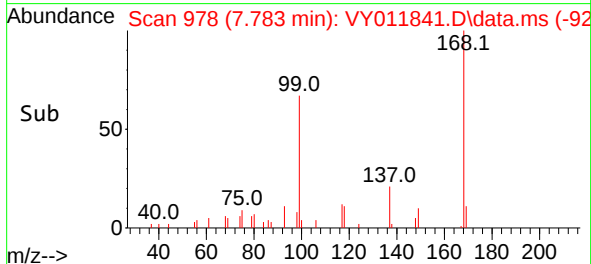
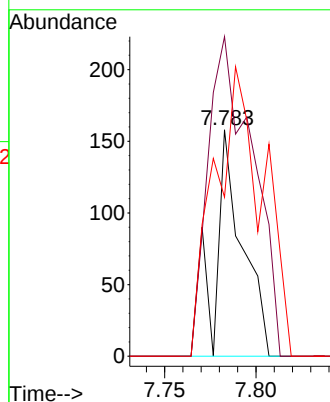
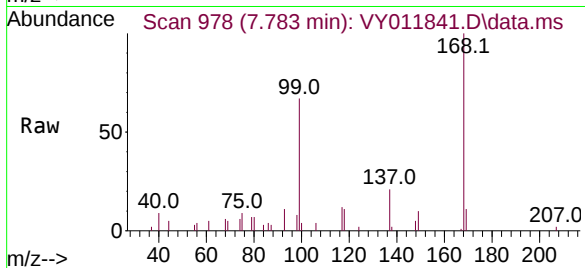




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

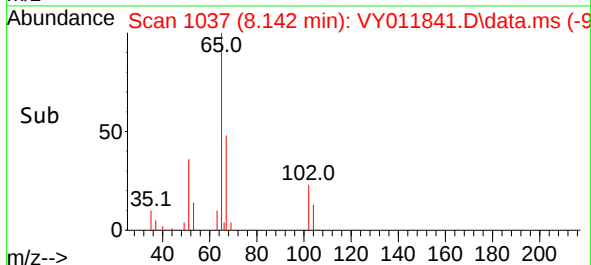
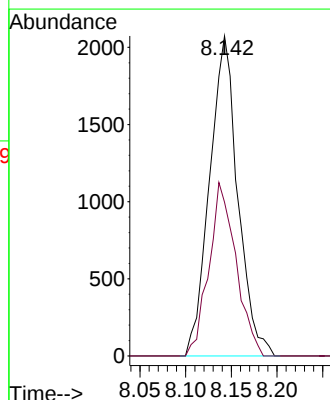
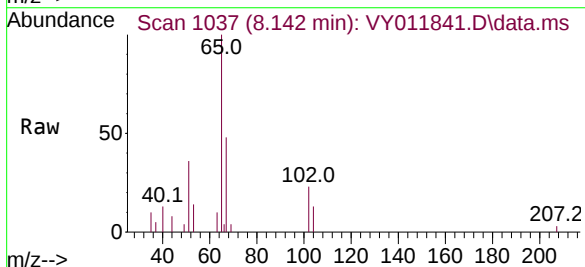
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121322

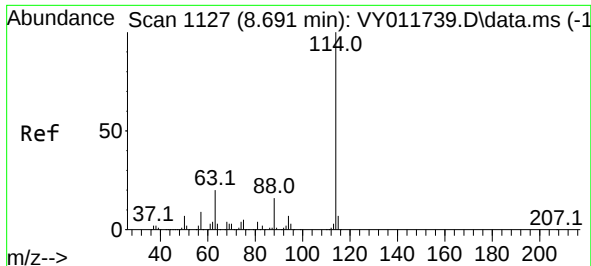
Tgt Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
69 141.1 29.2 43.8#
84 70.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.525 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

Tgt Ion: 65 Resp: 4451
Ion Ratio Lower Upper
65 100
67 51.9 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: VY011841.D

Acq: 14 Dec 2022 13:40

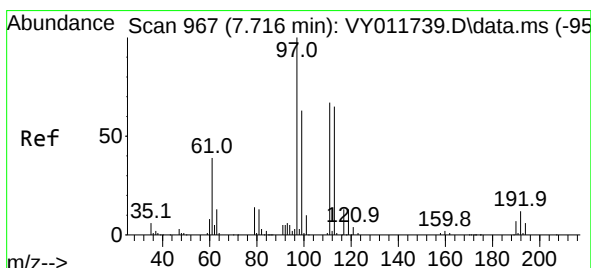
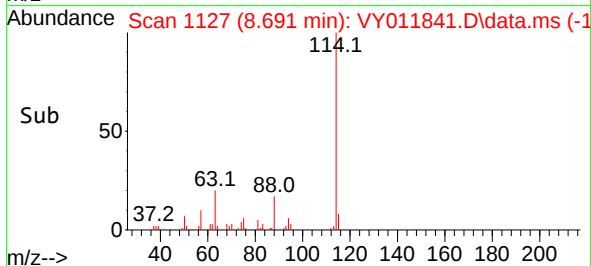
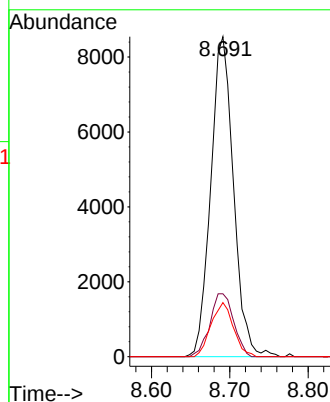
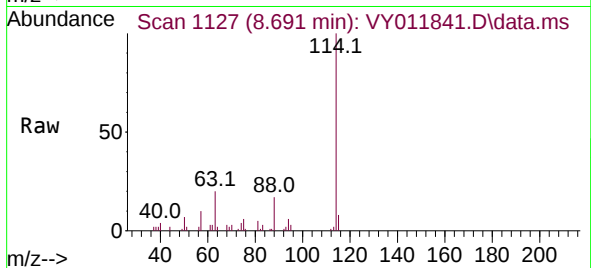
Instrument :

MSVOA_Y

ClientSampleId :

HR-01-121322

Tgt Ion:	114	Resp:	17248
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	16.9	0.0	32.2



#35

Dibromofluoromethane

Concen: 36.195 ug/l

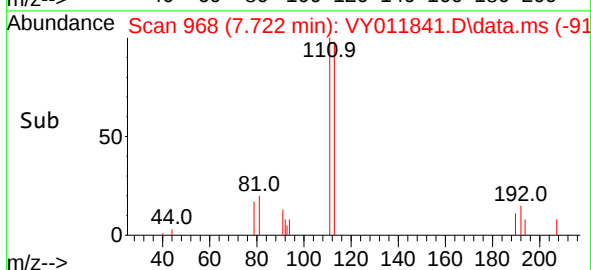
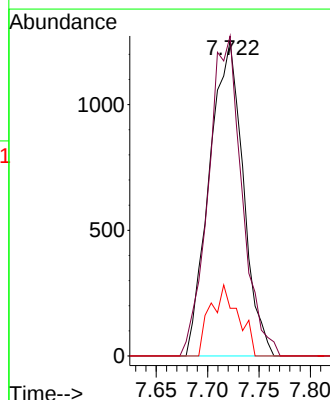
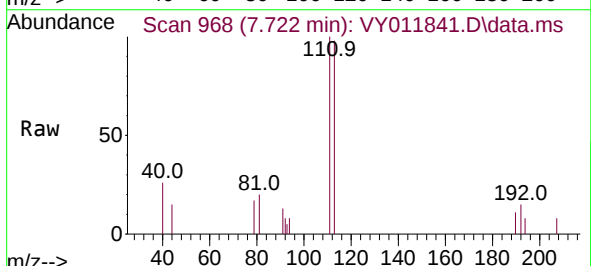
RT: 7.722 min Scan# 968

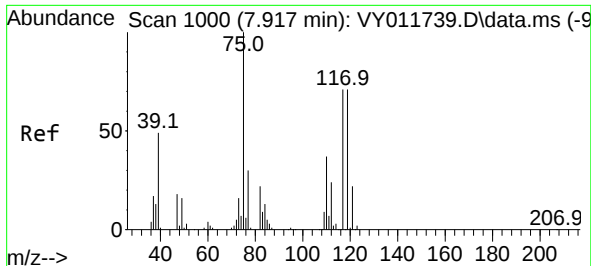
Delta R.T. 0.006 min

Lab File: VY011841.D

Acq: 14 Dec 2022 13:40

Tgt Ion:	113	Resp:	2856
Ion	Ratio	Lower	Upper
113	100		
111	100.8	83.0	124.4
192	18.6	16.0	24.0

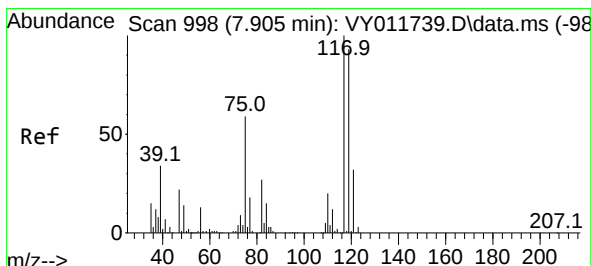
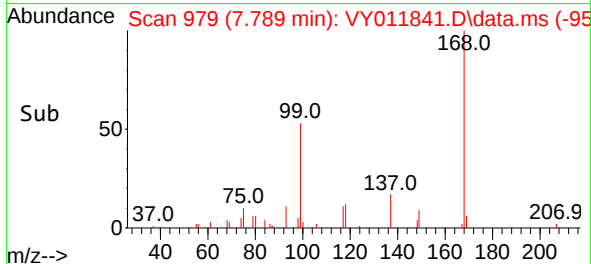
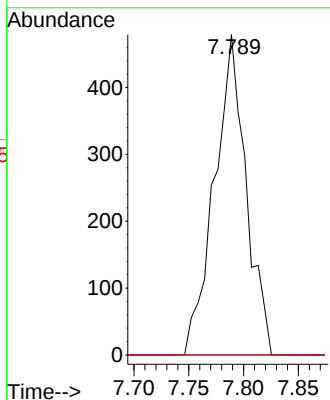
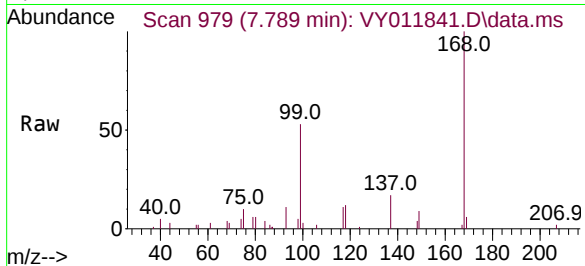




#36
1,1-Dichloropropene
Concen: 7.342 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

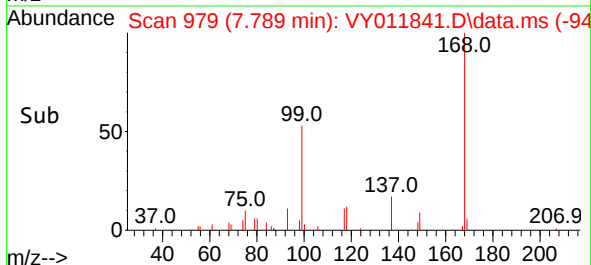
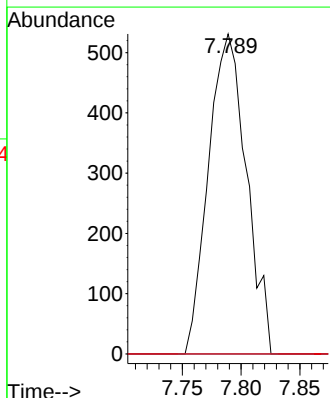
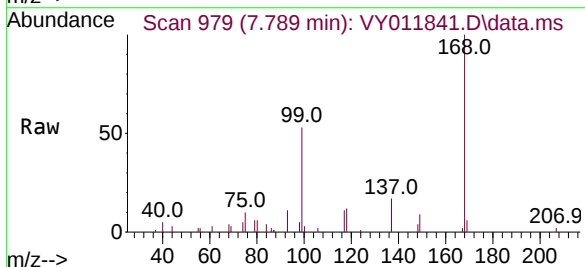
Instrument :
MSVOA_Y
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HR-01-121322

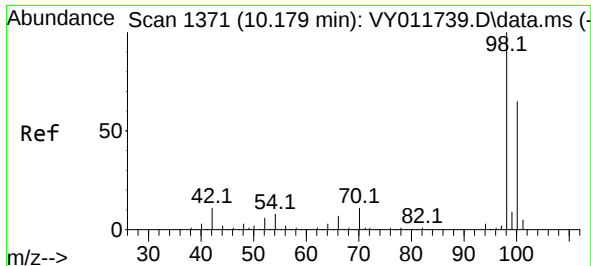
Tgt Ion: 75 Resp: 961
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.753 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

Tgt Ion: 117 Resp: 1192
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#

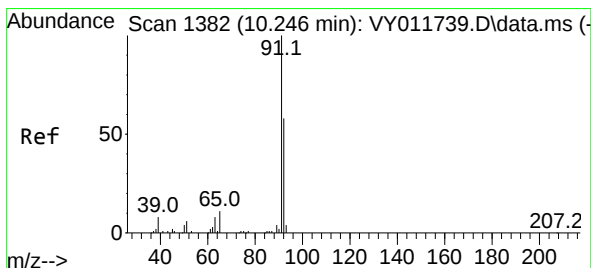
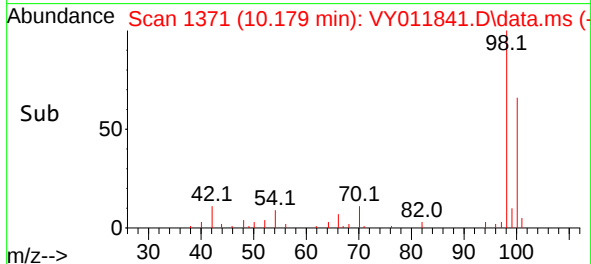
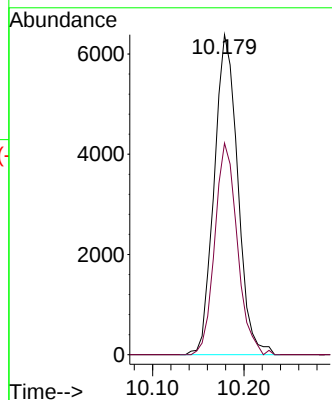
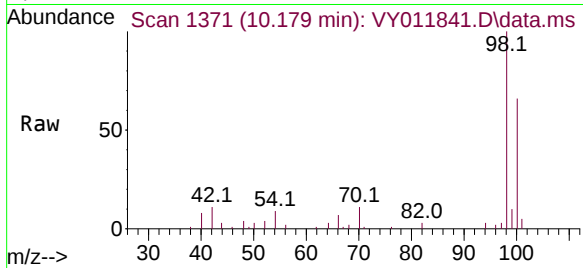




#50
Toluene-d8
Concen: 44.781 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

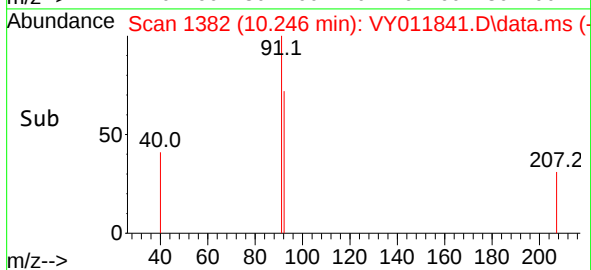
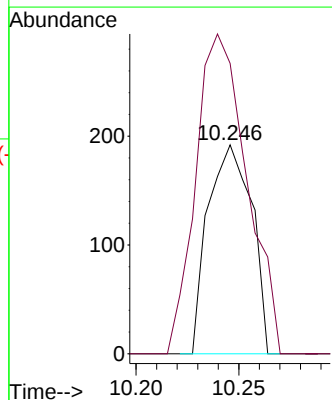
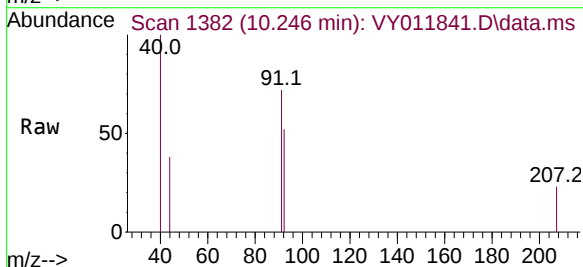
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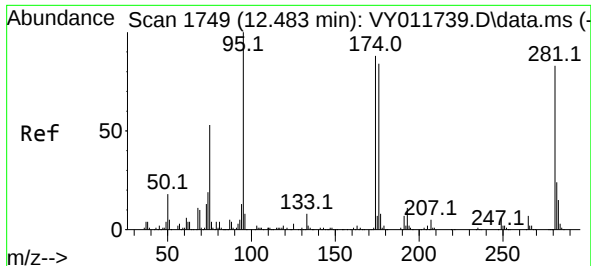
Tgt Ion: 98 Resp: 11425
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9



#52
Toluene
Concen: 1.138 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

Tgt Ion: 92 Resp: 283
Ion Ratio Lower Upper
92 100
91 179.5 137.4 206.0

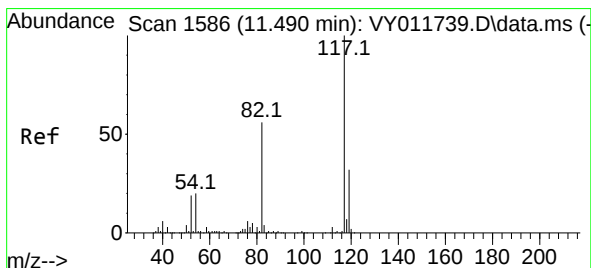
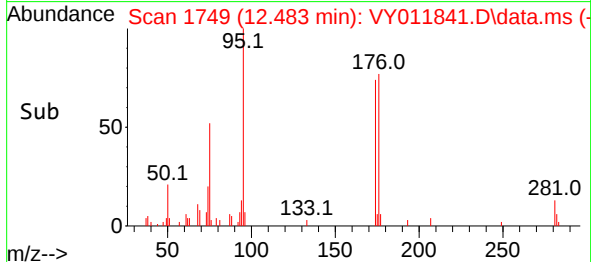
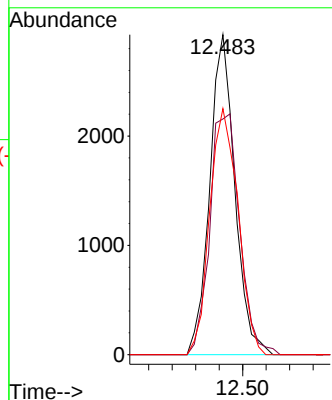
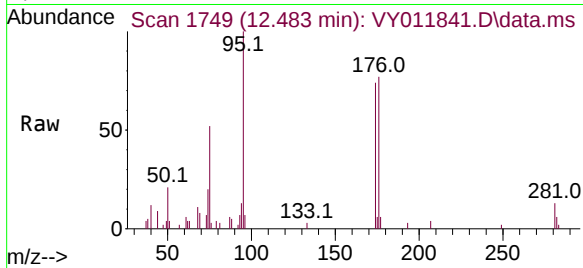




#62
4-Bromofluorobenzene
Concen: 42.781 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

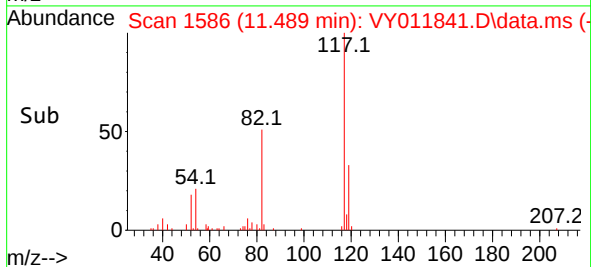
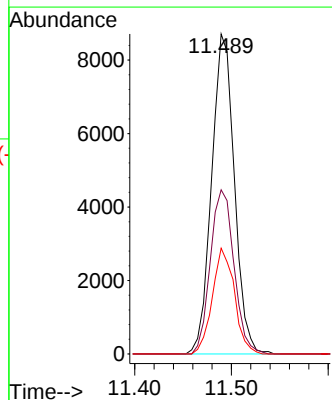
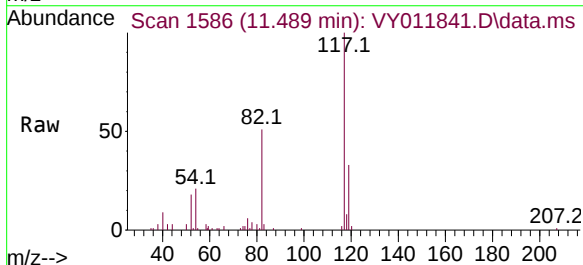
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-121322

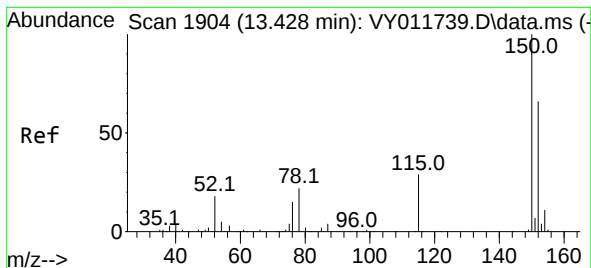
Tgt Ion: 95 Resp: 4344
Ion Ratio Lower Upper
95 100
174 89.4 0.0 172.0
176 86.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011841.D
Acq: 14 Dec 2022 13:40

Tgt Ion: 117 Resp: 14229
Ion Ratio Lower Upper
117 100
82 51.3 44.8 67.2
119 33.0 25.4 38.2

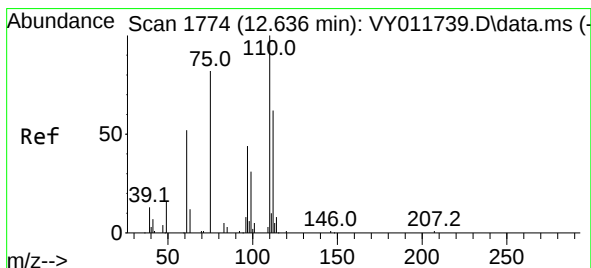
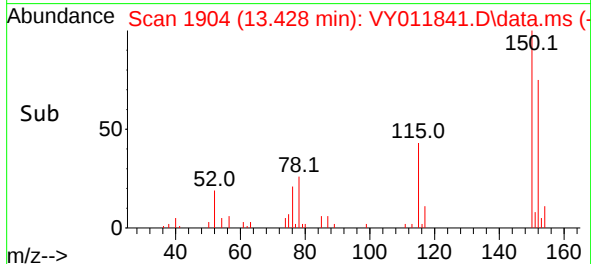
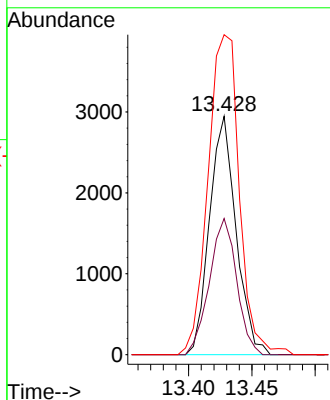
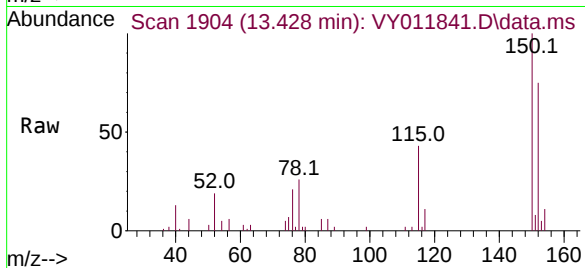




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011841.D
 Acq: 14 Dec 2022 13:40

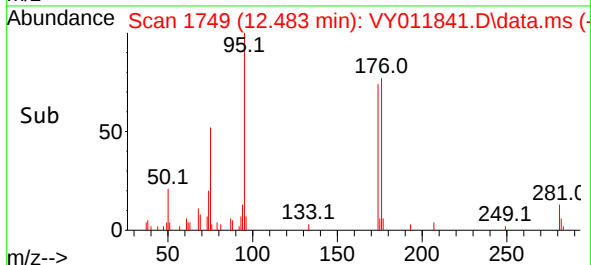
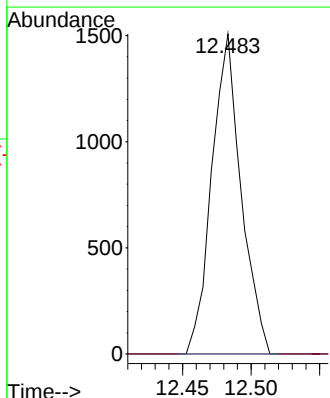
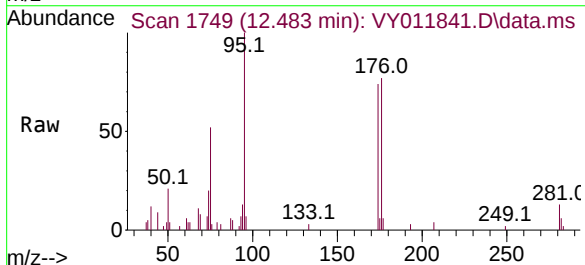
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-121322

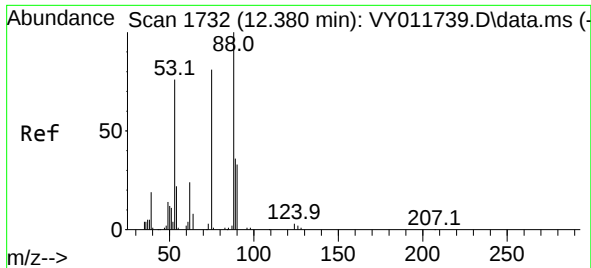
Tgt Ion:152 Resp: 4305
 Ion Ratio Lower Upper
 152 100
 115 58.5 29.1 87.3
 150 158.1 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 51.521 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011841.D
 Acq: 14 Dec 2022 13:40

Tgt Ion: 75 Resp: 2244
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.911 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011841.D
 Acq: 14 Dec 2022 13:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-121322

Tgt Ion: 75 Resp: 2244
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

