

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012112.D
 Acq On : 09 Jan 2023 15:47
 Operator : KP/MD
 Sample : 01064-04
 Misc : 3.61g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-13-01

Quant Time: Jan 10 01:47:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

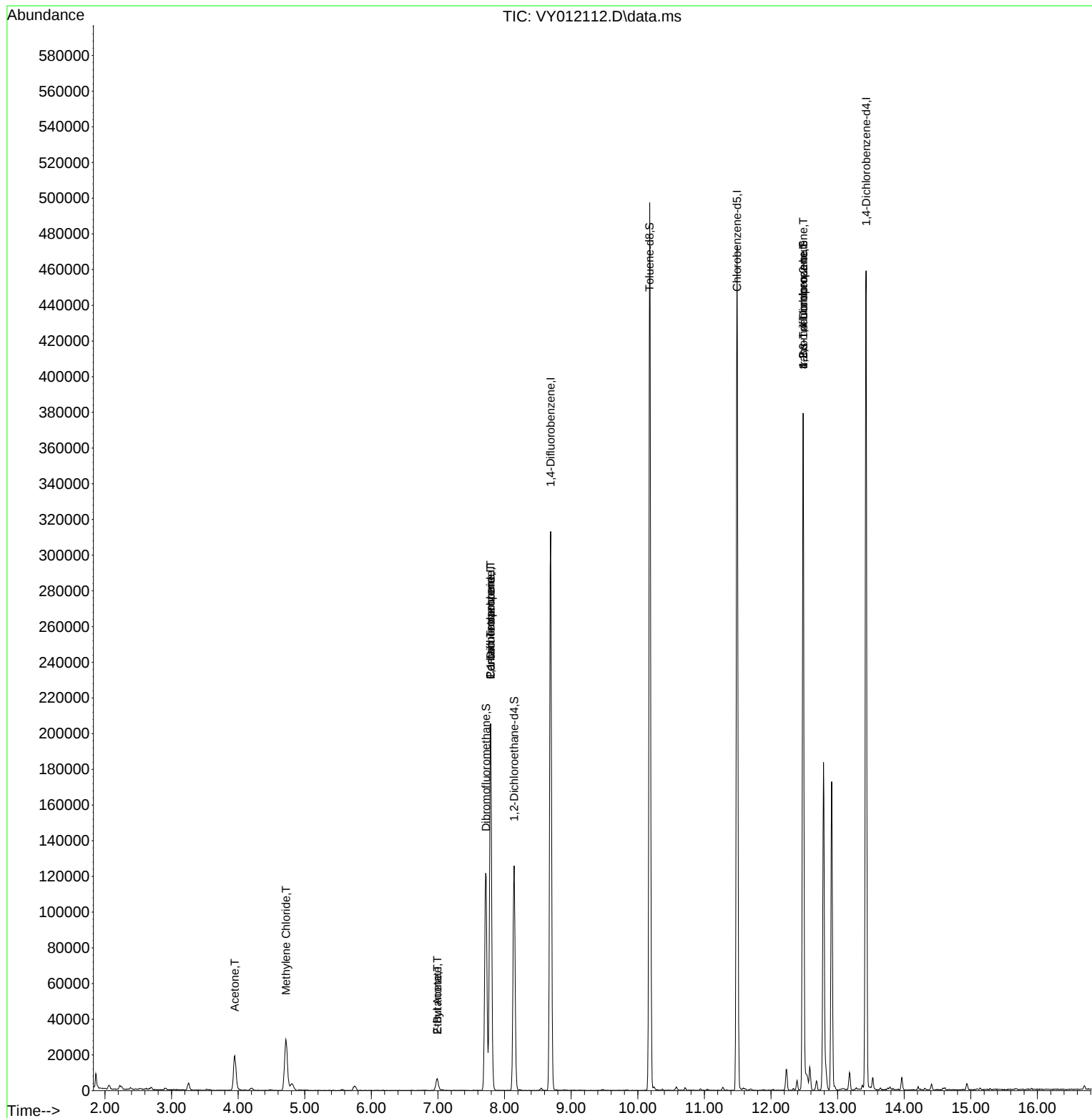
Internal Standards						
1) Pentafluorobenzene	7.789	168	159288	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	261880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122351	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105395	58.885	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.760%			
35) Dibromofluoromethane	7.722	113	84422	46.834	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.660%			
50) Toluene-d8	10.179	98	329326	46.287	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.580%			
62) 4-Bromofluorobenzene	12.483	95	107897	43.385	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.780%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	119	Below Cal	#	41
5) Bromomethane	2.656	94	63	Below Cal		83
11) Tert butyl alcohol	4.954	59	495	Below Cal	#	74
13) Acrolein	3.729	56	77	Below Cal	#	79
16) Acetone	3.948	43	34042	80.852	ug/l	97
17) Carbon Disulfide	4.186	76	2199	Below Cal	#	75
20) Methylene Chloride	4.716	84	22523	7.640	ug/l	91
25) 2-Butanone	6.990	43	9707	17.474	ug/l #	79
31) Cyclohexane	7.789	56	3228	Below Cal	#	29
36) 1,1-Dichloropropene	7.789	75	11455	4.189	ug/l #	51
37) Ethyl Acetate	6.990	43	9707	6.629	ug/l #	68
38) Carbon Tetrachloride	7.789	117	15775	4.545	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	58536	41.901	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58536	93.056	ug/l #	13

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

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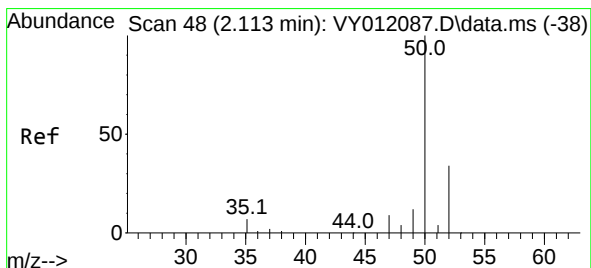
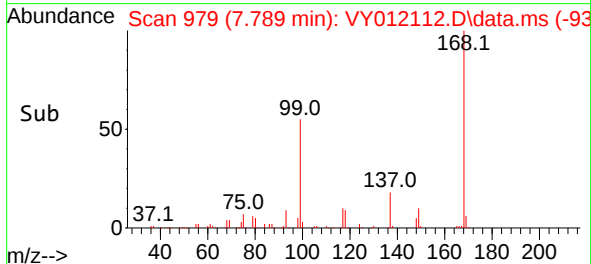
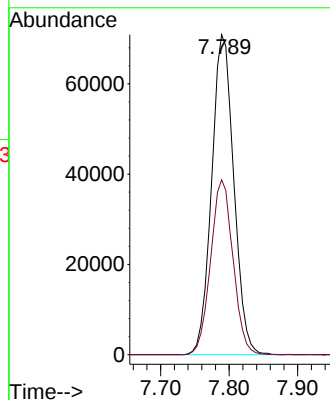
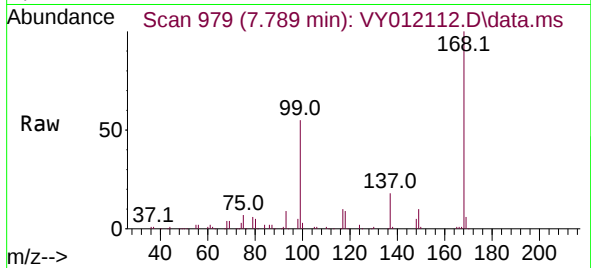




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

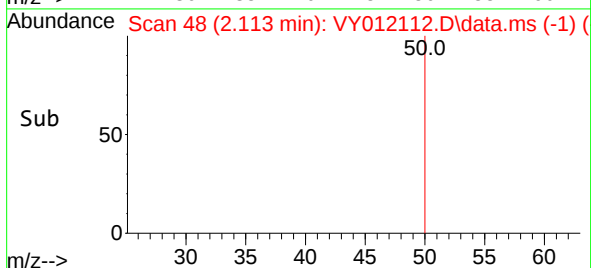
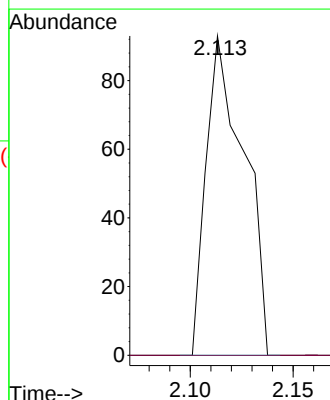
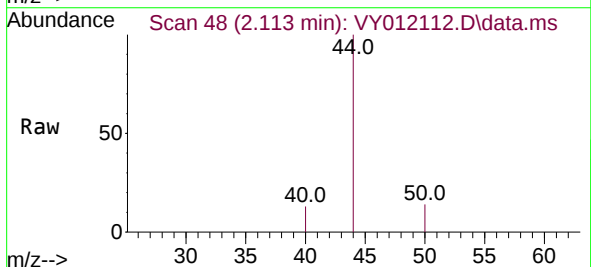
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

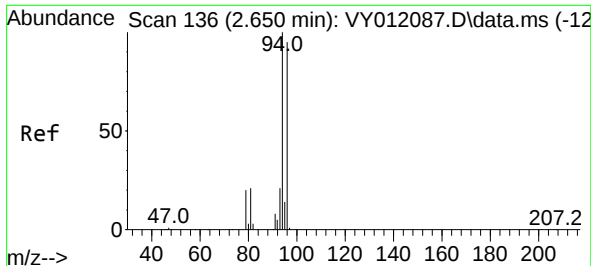
Tgt Ion:168 Resp: 159288
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 50 Resp: 119
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

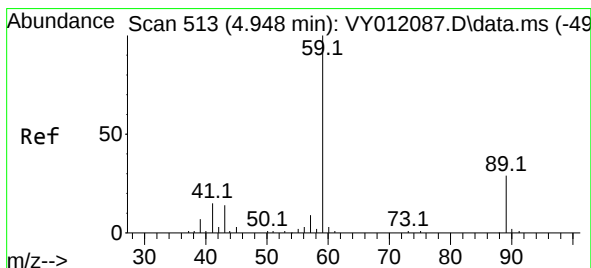
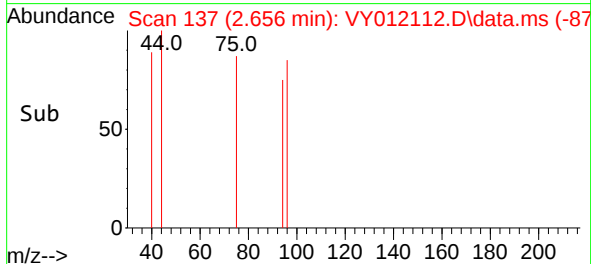
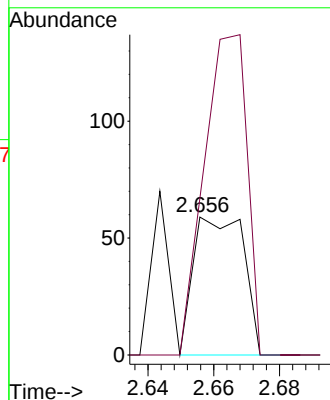
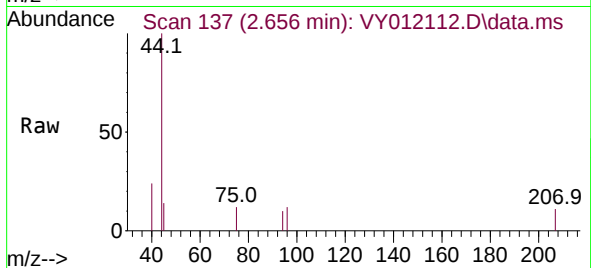




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

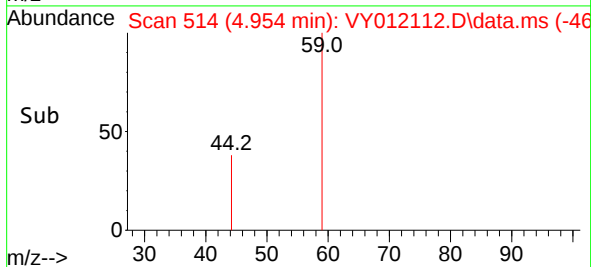
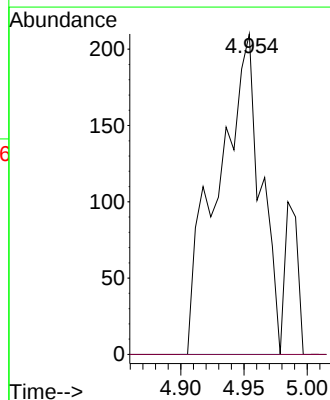
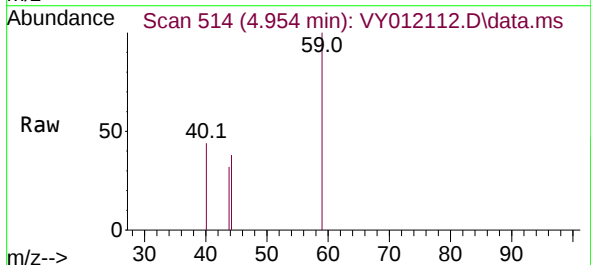
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

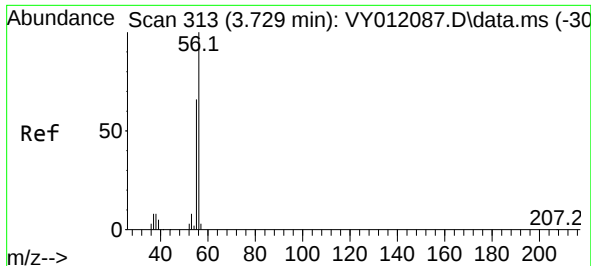
Tgt Ion: 94 Resp: 63
Ion Ratio Lower Upper
94 100
96 113.6 77.4 116.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

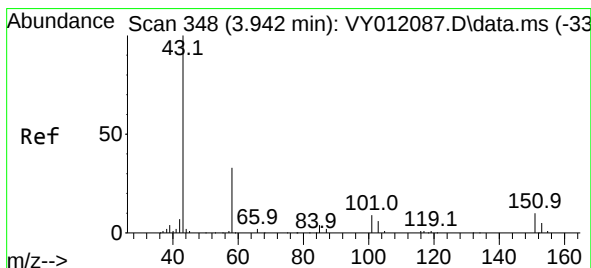
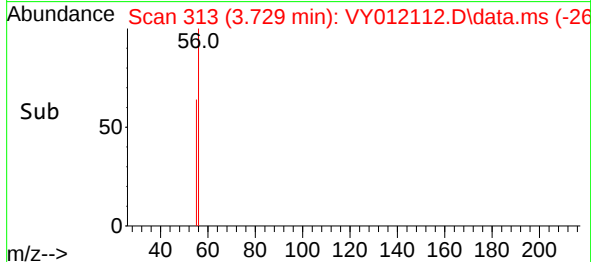
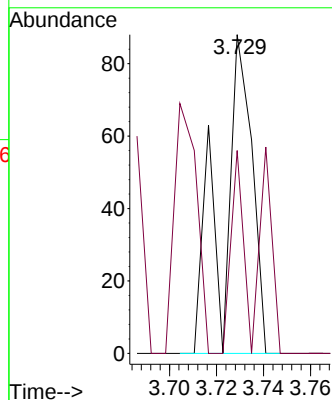
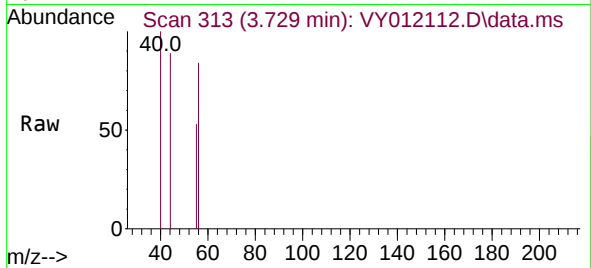




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

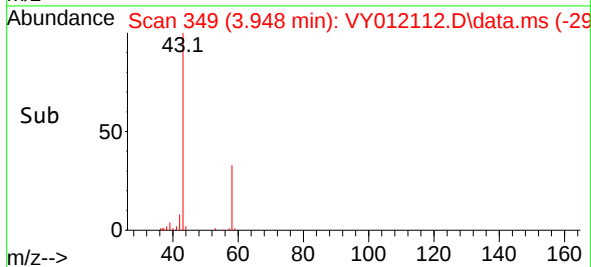
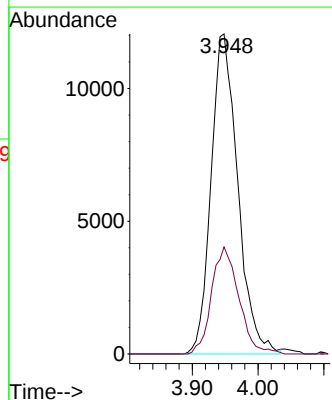
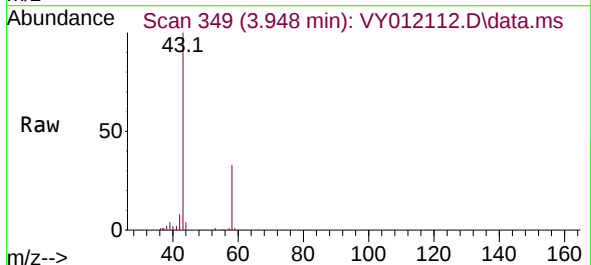
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

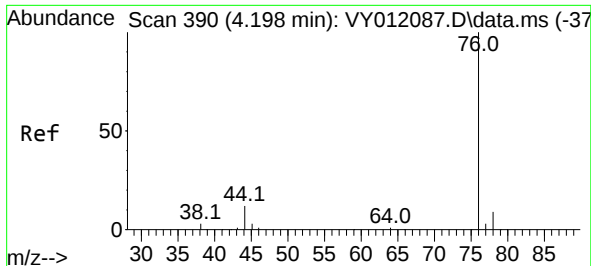
Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 53.2 56.6 85.0#



#16
Acetone
Concen: 80.852 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 43 Resp: 34042
Ion Ratio Lower Upper
43 100
58 33.4 27.9 41.9

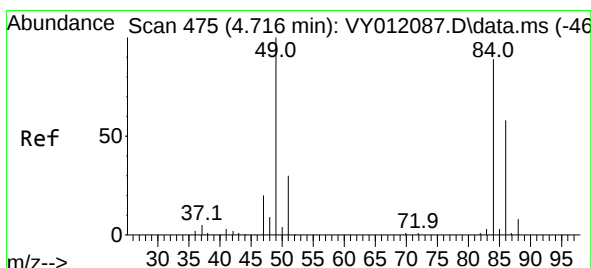
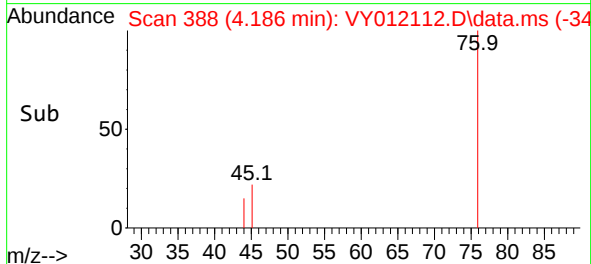
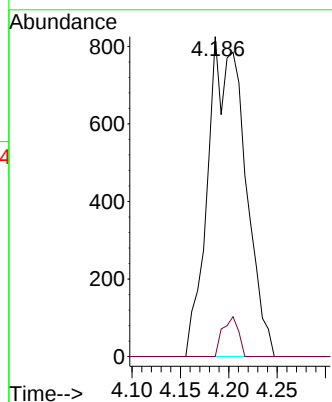
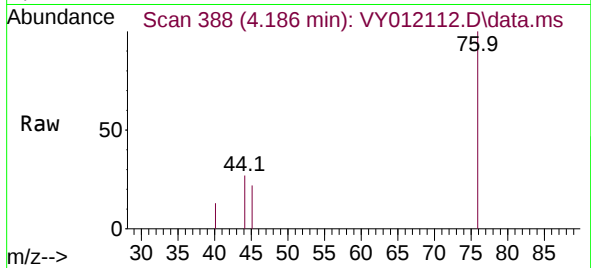




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

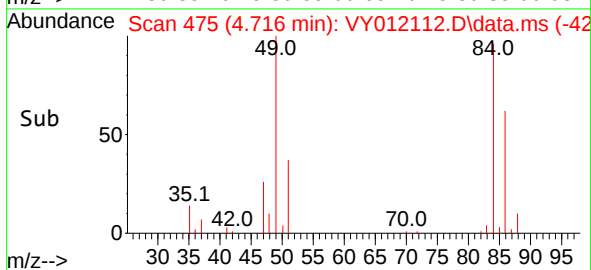
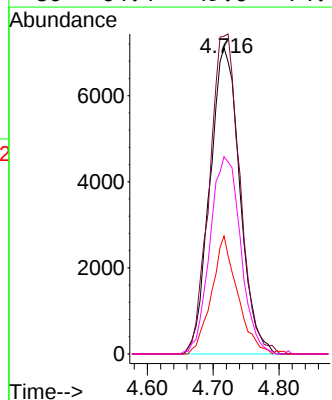
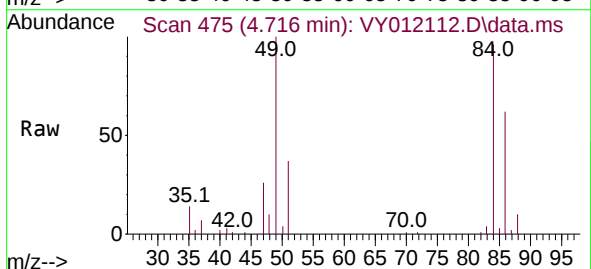
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

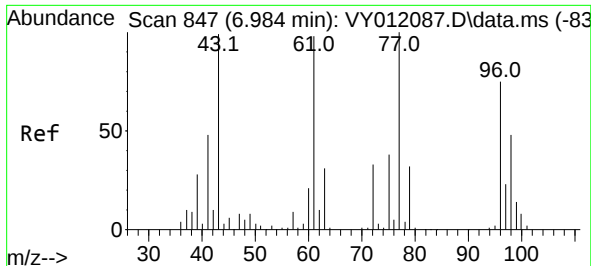
Tgt Ion: 76 Resp: 2199
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 7.640 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 84 Resp: 22523
Ion Ratio Lower Upper
84 100
49 103.8 95.4 143.2
51 38.5 29.9 44.9
86 64.4 49.6 74.4





#25

2-Butanone

Concen: 17.474 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012112.D

Acq: 09 Jan 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

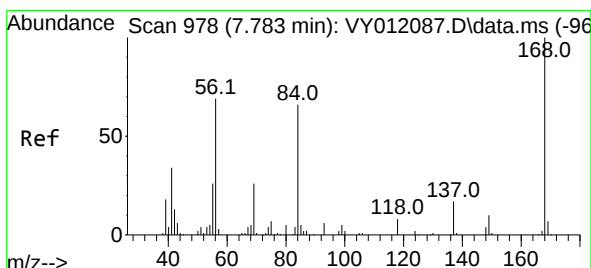
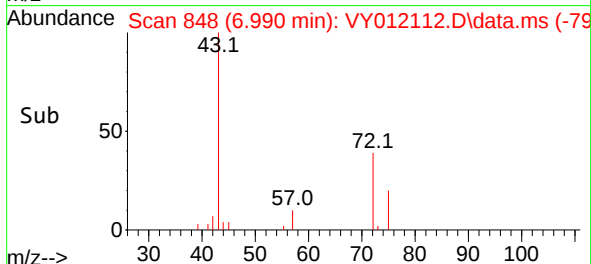
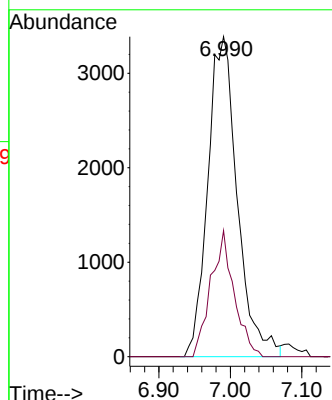
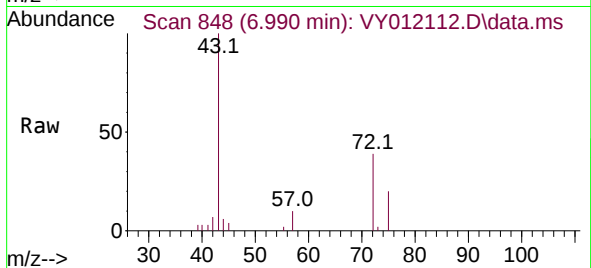
S-13-01

Tgt Ion: 43 Resp: 9707

Ion Ratio Lower Upper

43 100

72 39.4 22.6 34.0#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012112.D

Acq: 09 Jan 2023 15:47

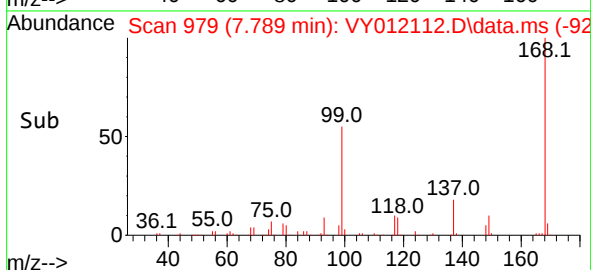
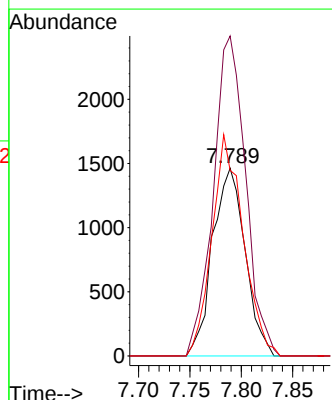
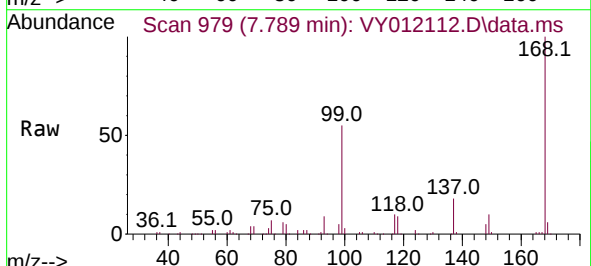
Tgt Ion: 56 Resp: 3228

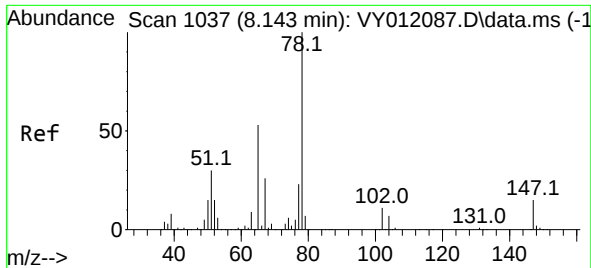
Ion Ratio Lower Upper

56 100

69 170.5 29.2 43.8#

84 98.9 72.6 108.8

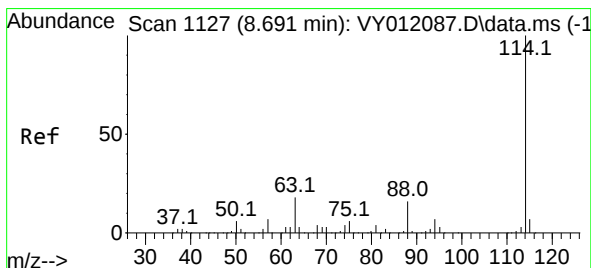
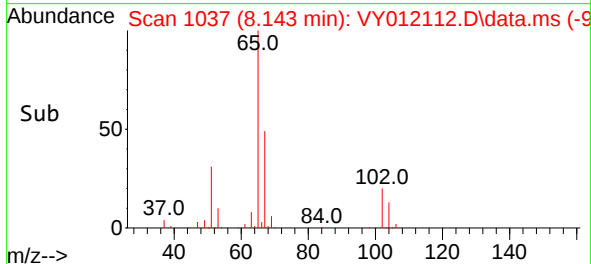
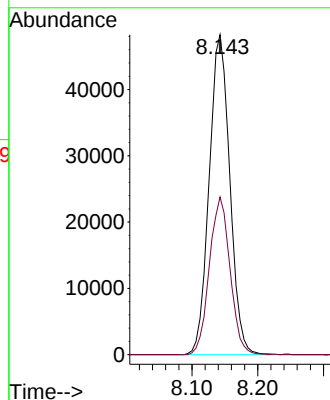
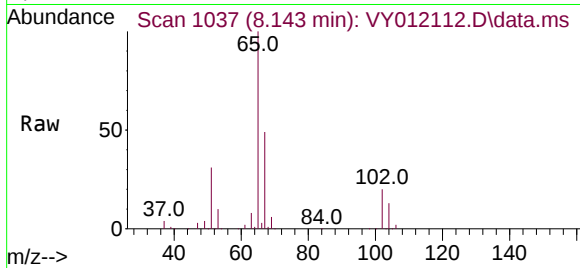




#33
 1,2-Dichloroethane-d4
 Concen: 58.885 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012112.D
 Acq: 09 Jan 2023 15:47

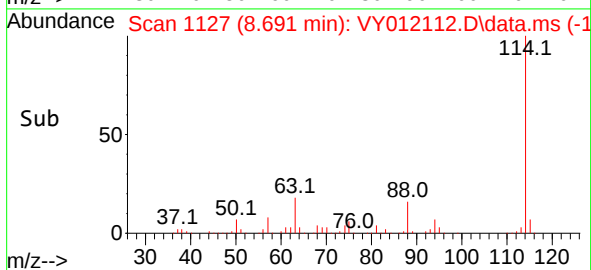
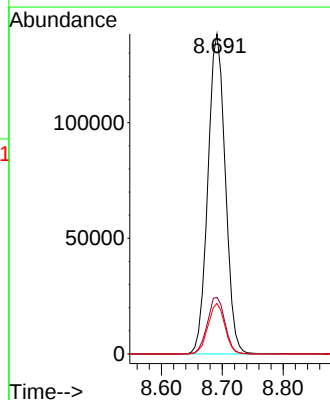
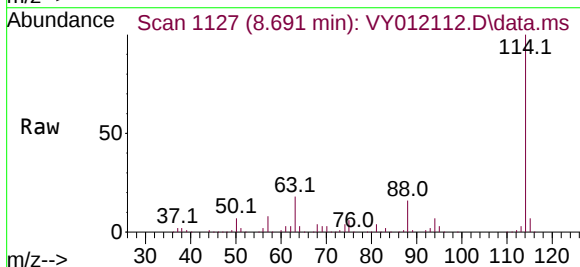
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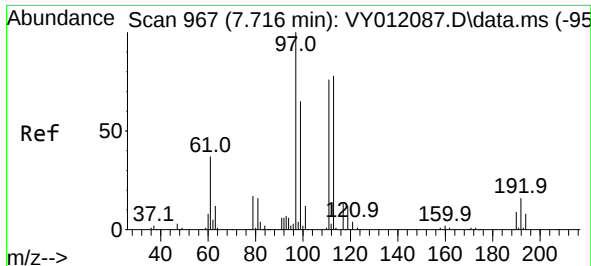
Tgt Ion: 65 Resp: 105395
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012112.D
 Acq: 09 Jan 2023 15:47

Tgt Ion: 114 Resp: 274249
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 39.6
 88 15.8 0.0 32.2

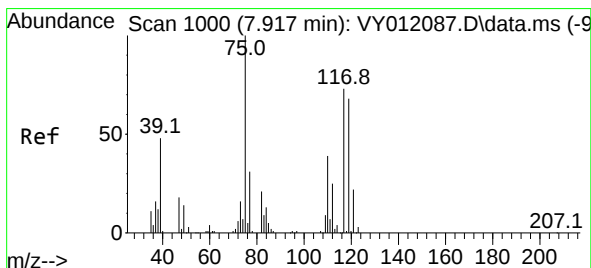
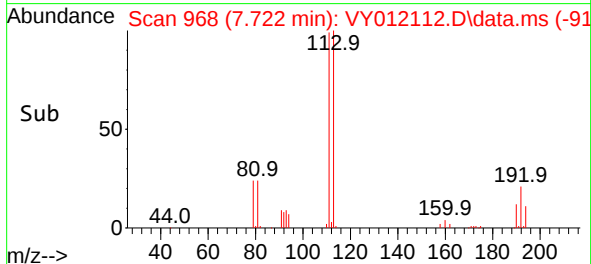
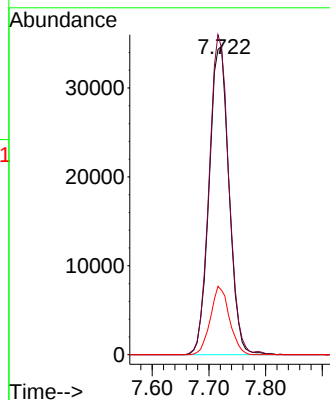
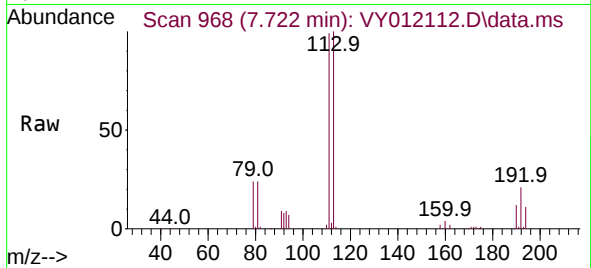




#35
Dibromofluoromethane
Concen: 46.834 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

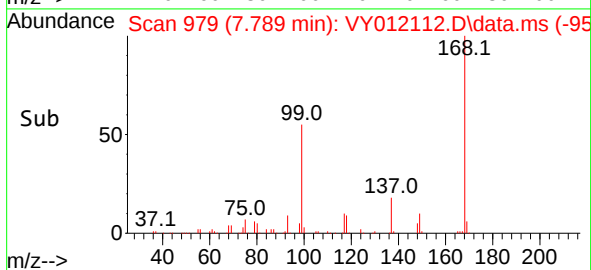
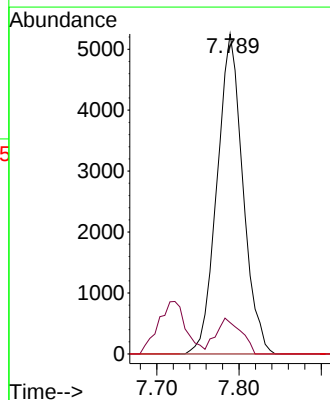
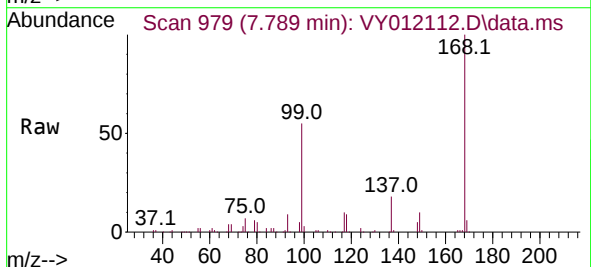
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

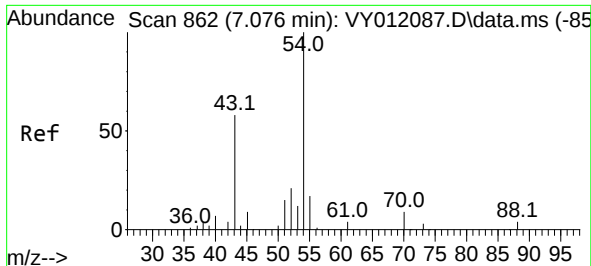
Tgt Ion:113 Resp: 84422
Ion Ratio Lower Upper
113 100
111 103.2 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.189 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 75 Resp: 11455
Ion Ratio Lower Upper
75 100
110 10.8 18.1 54.1#
77 0.0 25.1 37.7#

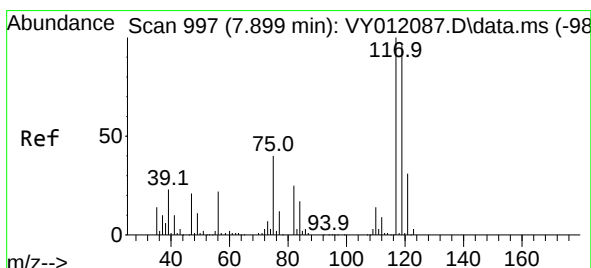
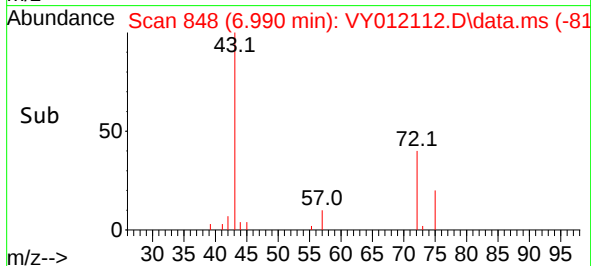
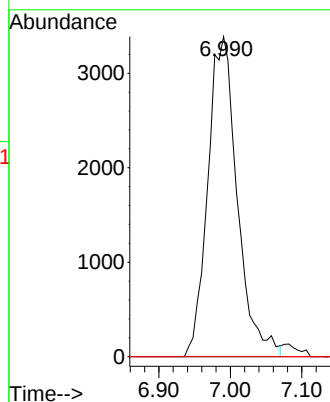
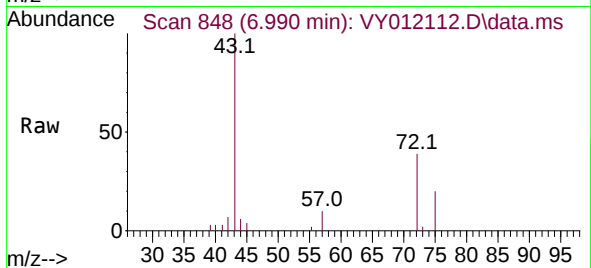




#37
Ethyl Acetate
Concen: 6.629 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

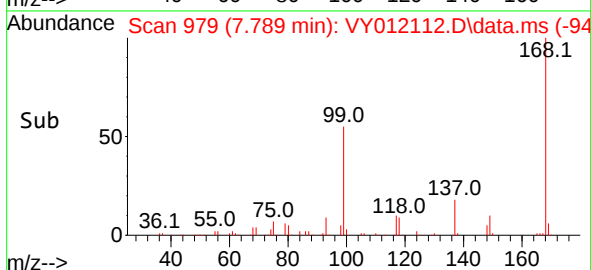
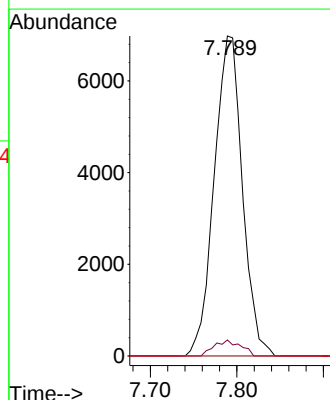
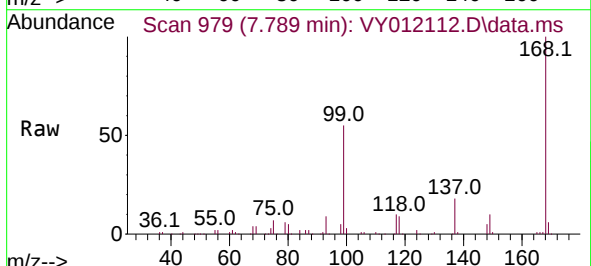
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

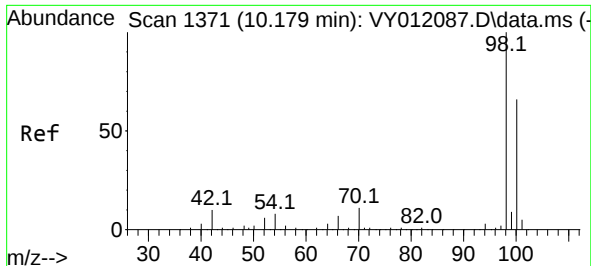
Tgt Ion: 43 Resp: 9707
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.2 12.4#



#38
Carbon Tetrachloride
Concen: 4.545 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 117 Resp: 15775
Ion Ratio Lower Upper
117 100
119 5.0 73.8 110.8#
121 0.0 25.2 37.8#

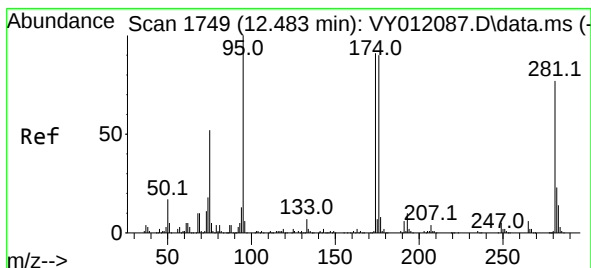
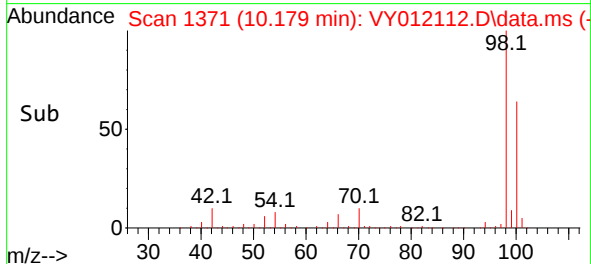
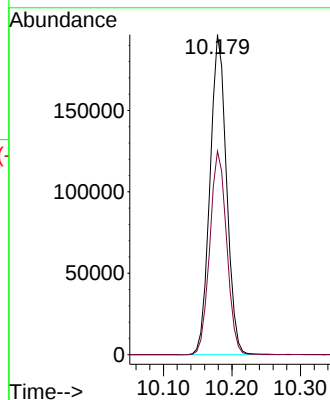
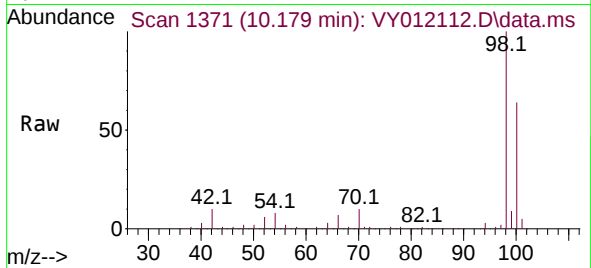




#50
Toluene-d8
Concen: 46.287 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

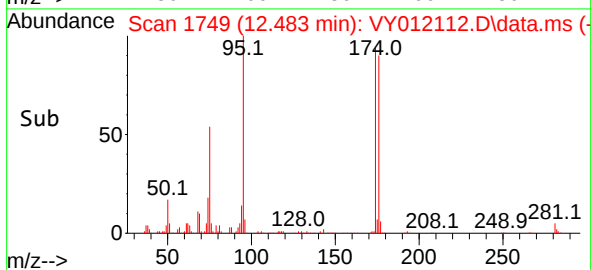
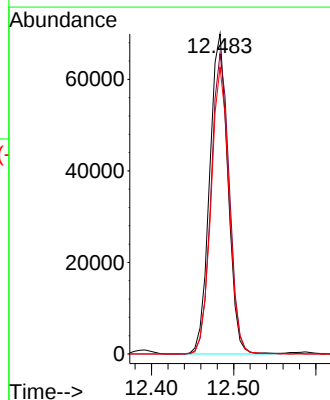
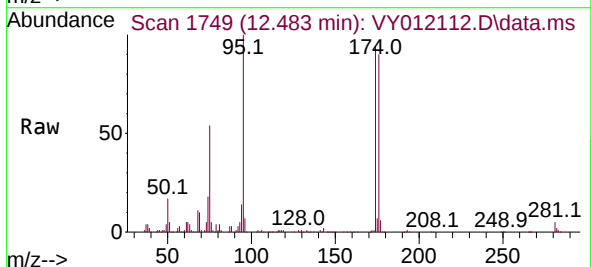
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

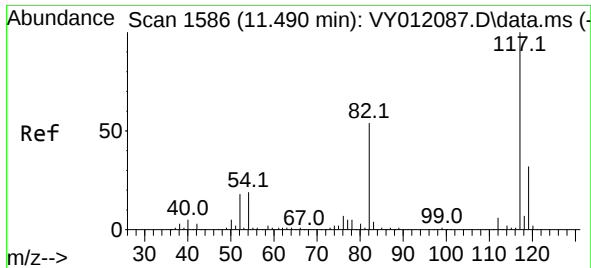
Tgt Ion: 98 Resp: 329326
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.385 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion: 95 Resp: 107897
Ion Ratio Lower Upper
95 100
174 94.0 0.0 172.0
176 88.6 0.0 167.6

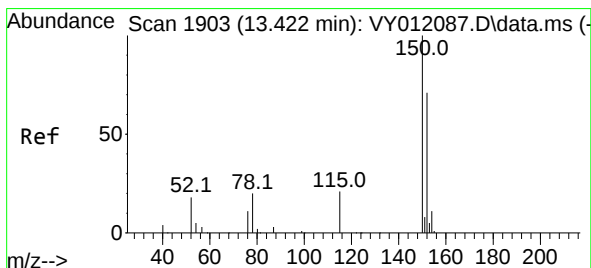
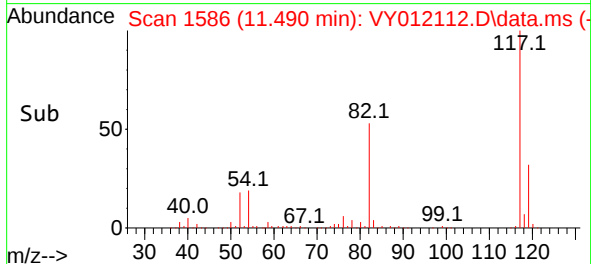
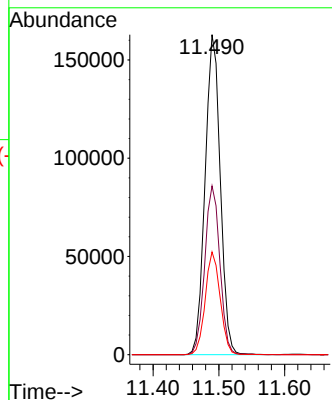
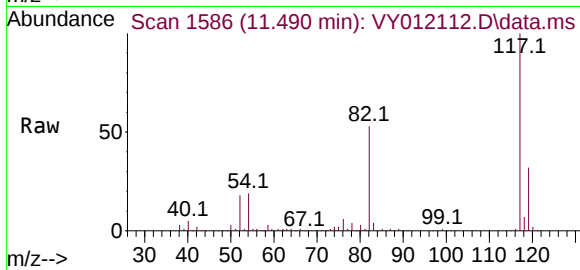




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

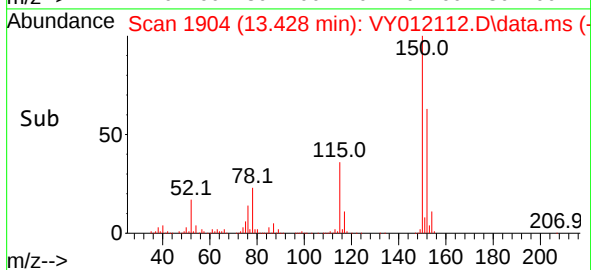
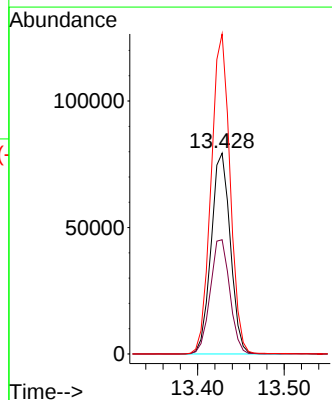
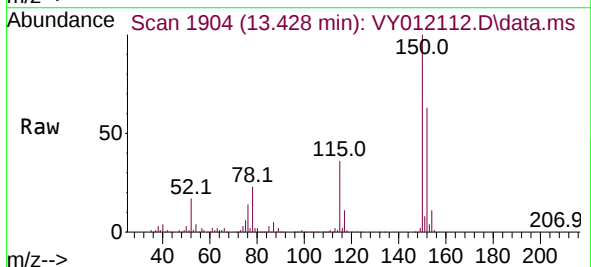
Instrument :
MSVOA_Y
ClientSampleId :
S-13-01

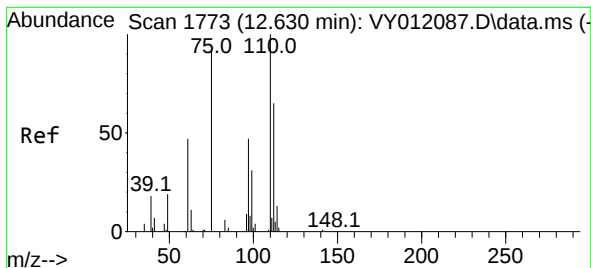
Tgt Ion:117 Resp: 261880
Ion Ratio Lower Upper
117 100
82 52.7 44.8 67.2
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012112.D
Acq: 09 Jan 2023 15:47

Tgt Ion:152 Resp: 122351
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.3
150 157.2 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 41.901 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012112.D

Acq: 09 Jan 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

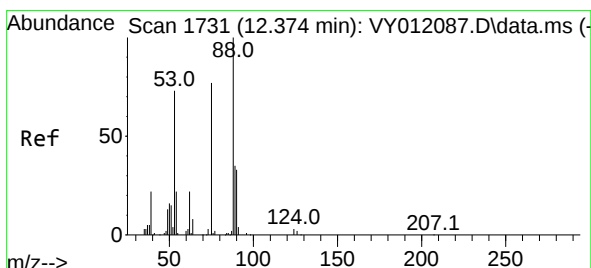
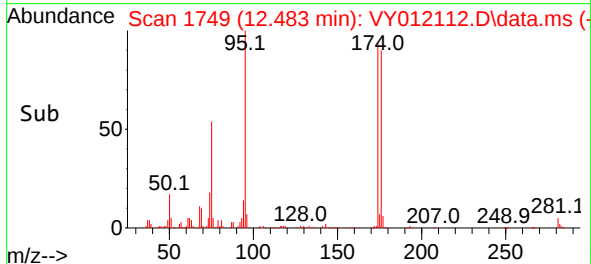
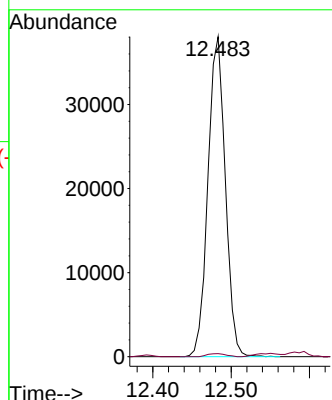
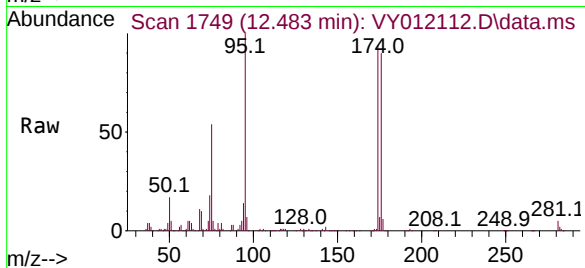
S-13-01

Tgt Ion: 75 Resp: 58536

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.056 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012112.D

Acq: 09 Jan 2023 15:47

Tgt Ion: 75 Resp: 58536

Ion Ratio Lower Upper

75 100

53 0.1 72.5 108.7#

89 0.0 37.0 55.4#

