

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012117.D
 Acq On : 09 Jan 2023 17:44
 Operator : KP/MD
 Sample : 01067-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 7822

Quant Time: Jan 10 01:49:19 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)

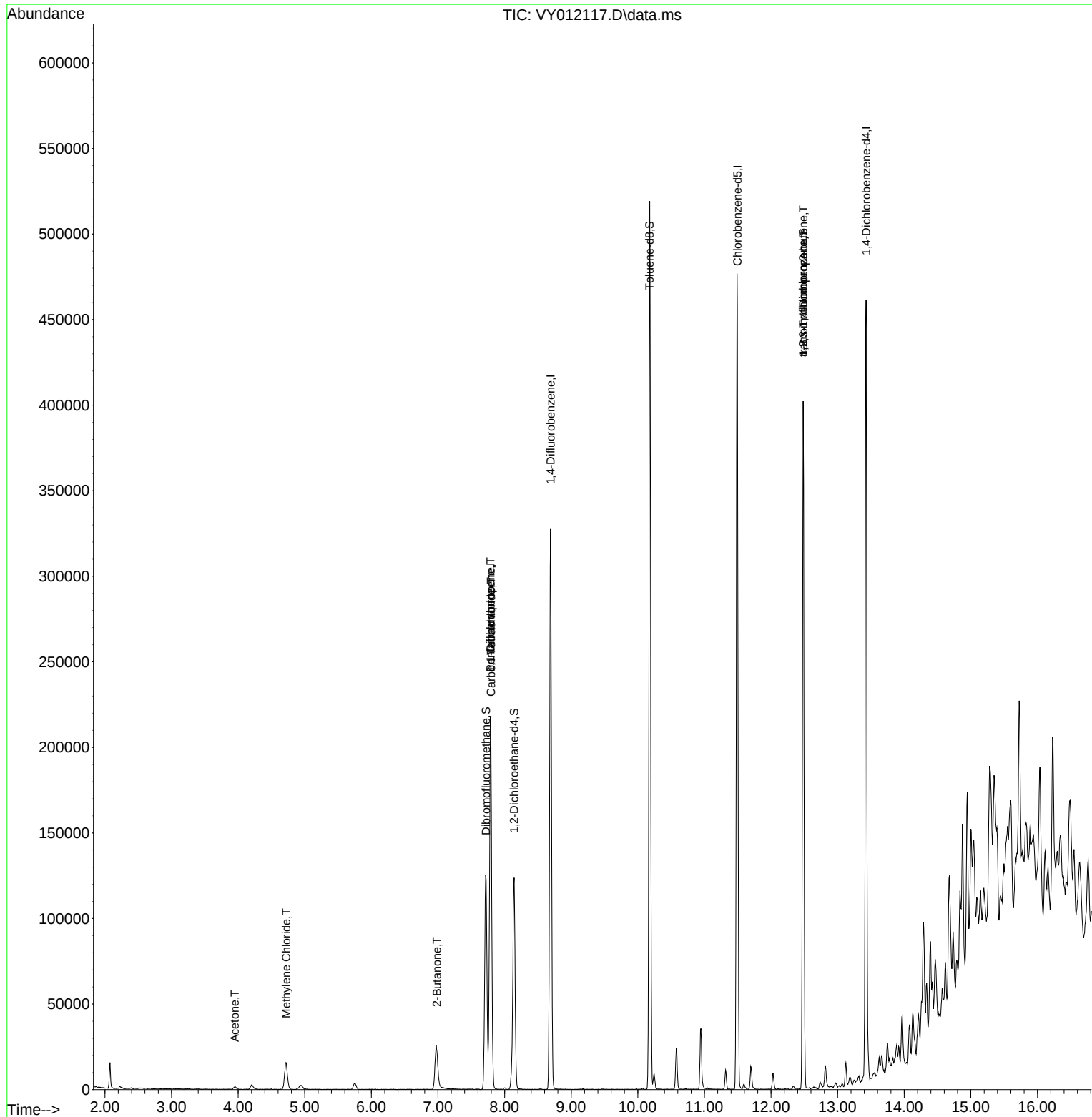
Internal Standards						
1) Pentafluorobenzene	7.789	168	168766	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	285006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	268560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	123479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	100496	52.994	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.980%	
35) Dibromofluoromethane	7.722	113	86161	45.994	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.980%	
50) Toluene-d8	10.179	98	338784	45.819	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.640%	
62) 4-Bromofluorobenzene	12.483	95	109013	42.179	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.360%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	71	Below Cal	#	41
3) Chloromethane	2.113	50	65	Below Cal	#	41
11) Tert butyl alcohol	4.942	59	3870	Below Cal	#	86
16) Acetone	3.948	43	3011	6.750	ug/l	91
20) Methylene Chloride	4.722	84	12972	1.090	ug/l	85
25) 2-Butanone	6.984	43	1976	3.357	ug/l	99
31) Cyclohexane	7.789	56	3494	Below Cal	#	25
36) 1,1-Dichloropropene	7.789	75	11969	4.211	ug/l #	50
38) Carbon Tetrachloride	7.795	117	17264	4.786	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	58836	41.731	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58836	92.678	ug/l #	13

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

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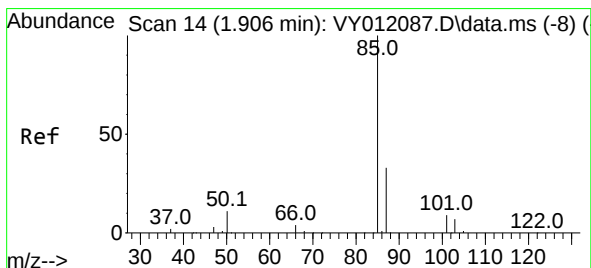
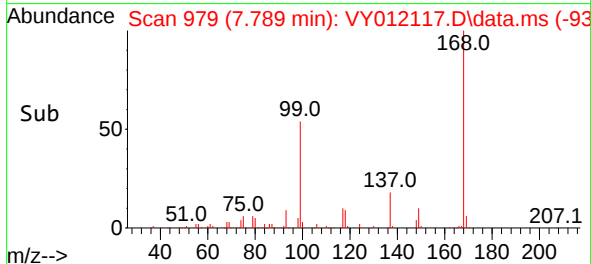
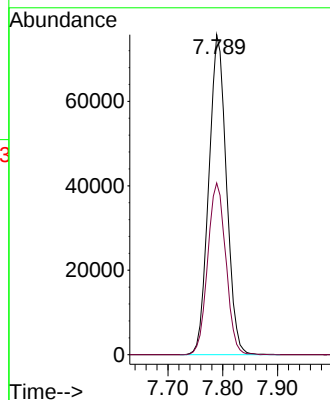
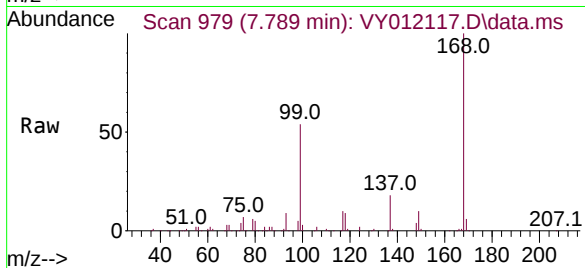




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

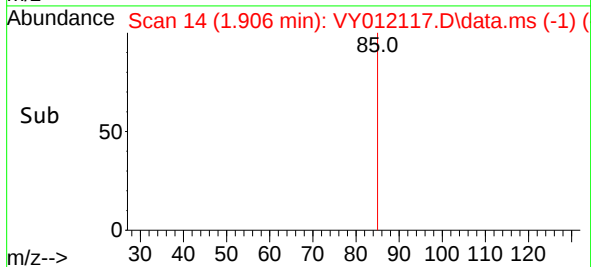
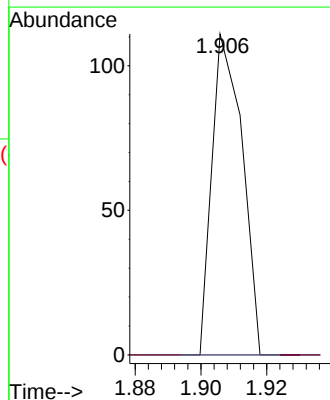
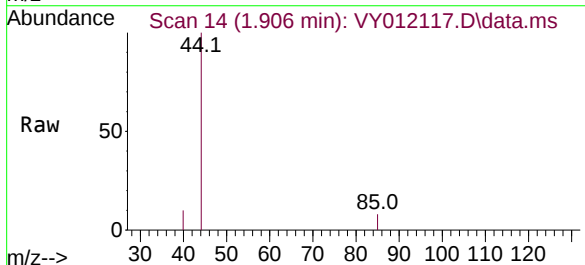
Instrument :
MSVOA_Y
ClientSampleId :
7822

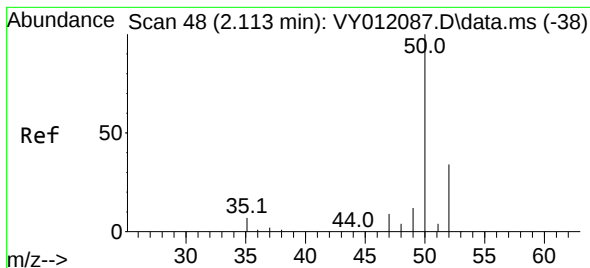
Tgt Ion:168 Resp: 168766
Ion Ratio Lower Upper
168 100
99 53.7 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

Tgt Ion: 85 Resp: 71
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012117.D

Acq: 09 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

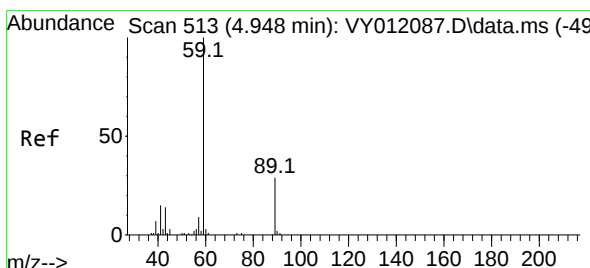
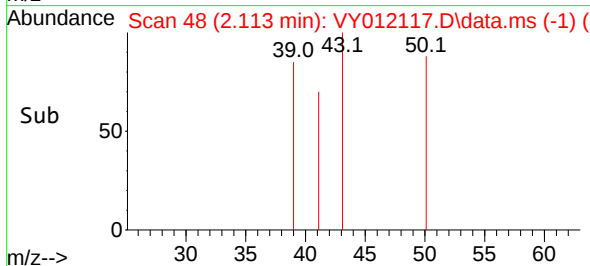
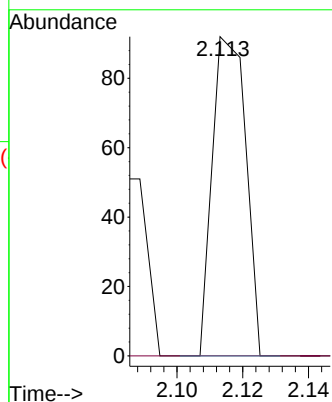
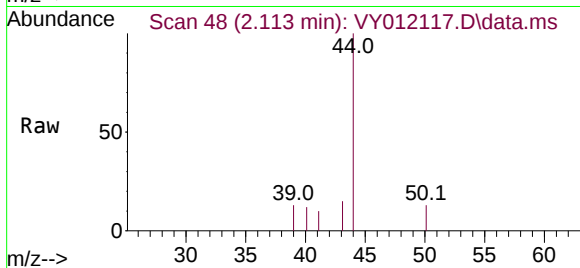
7822

Tgt Ion: 50 Resp: 65

Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 512

Delta R.T. -0.006 min

Lab File: VY012117.D

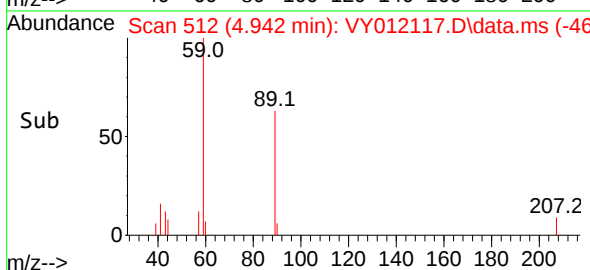
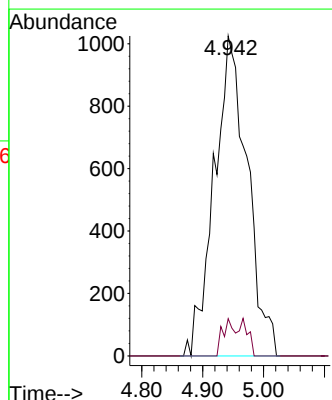
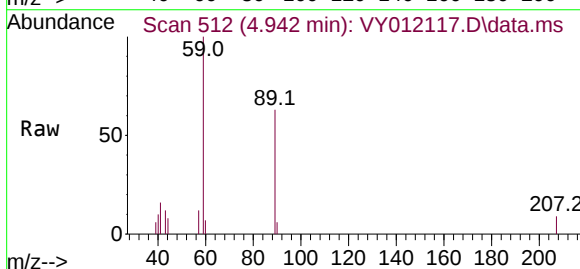
Acq: 09 Jan 2023 17:44

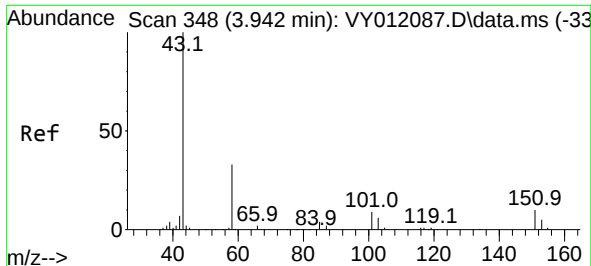
Tgt Ion: 59 Resp: 3870

Ion Ratio Lower Upper

59 100

57 4.1 7.4 11.2#





#16

Acetone

Concen: 6.750 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012117.D

Acq: 09 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

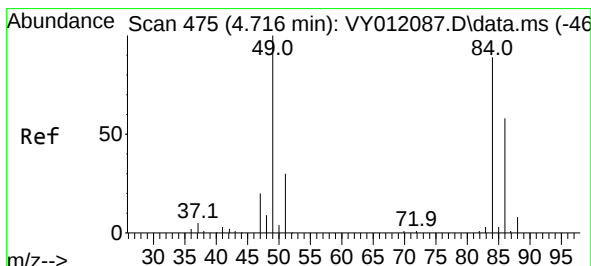
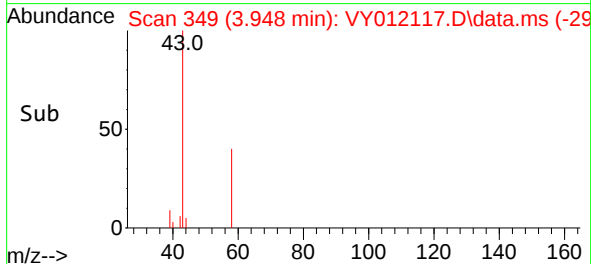
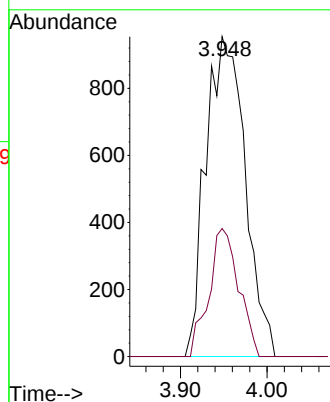
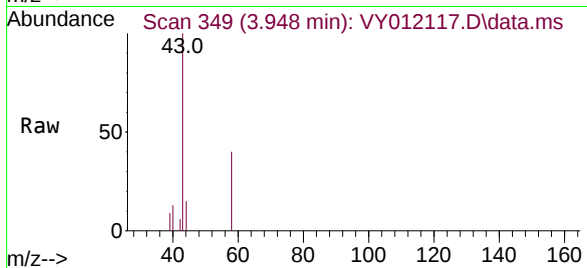
7822

Tgt Ion: 43 Resp: 3011

Ion Ratio Lower Upper

43 100

58 40.0 27.9 41.9



#20

Methylene Chloride

Concen: 1.090 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012117.D

Acq: 09 Jan 2023 17:44

Tgt Ion: 84 Resp: 12972

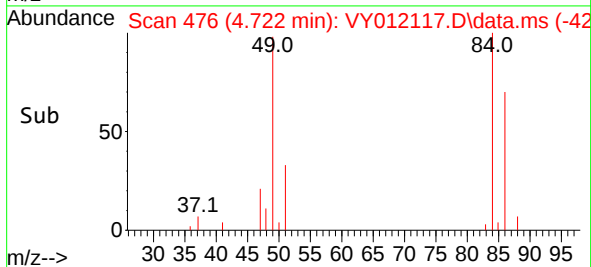
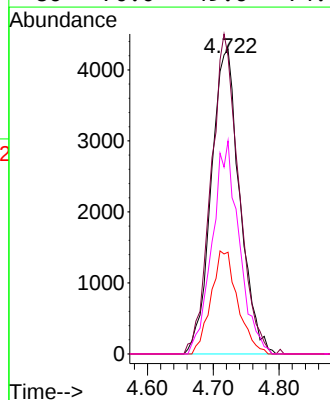
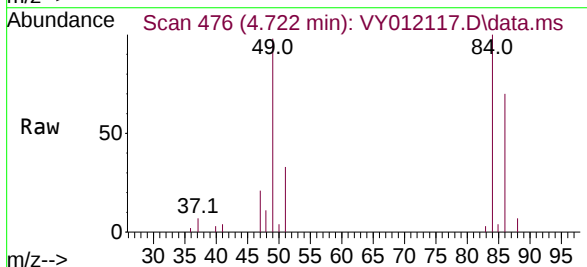
Ion Ratio Lower Upper

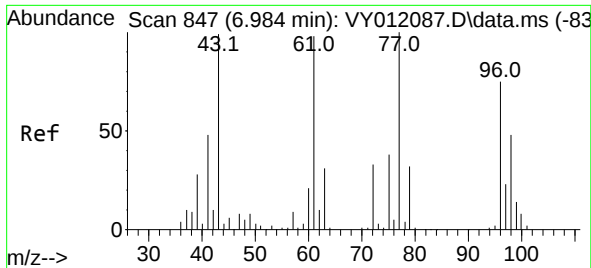
84 100

49 97.8 95.4 143.2

51 33.4 29.9 44.9

86 70.0 49.6 74.4

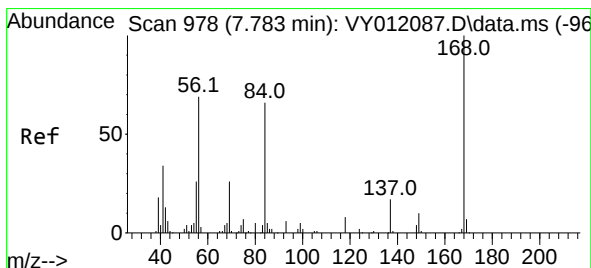
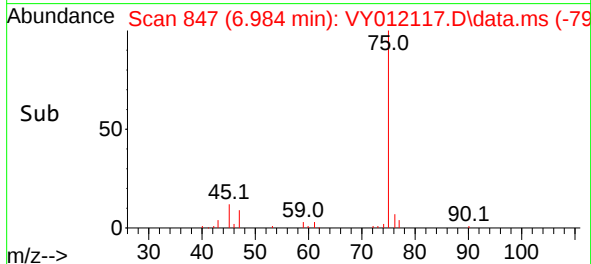
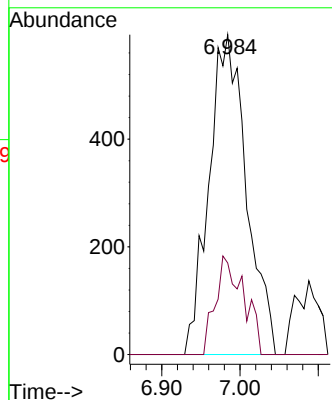
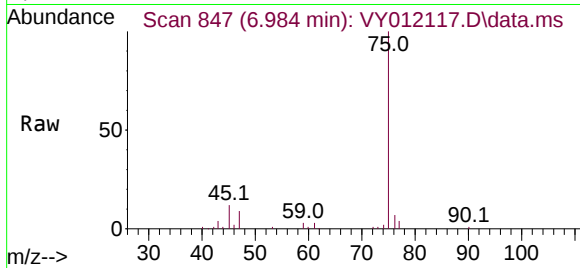




#25
2-Butanone
Concen: 3.357 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

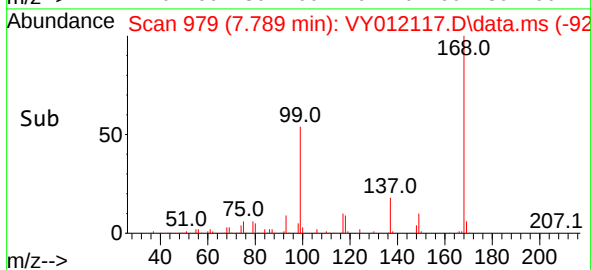
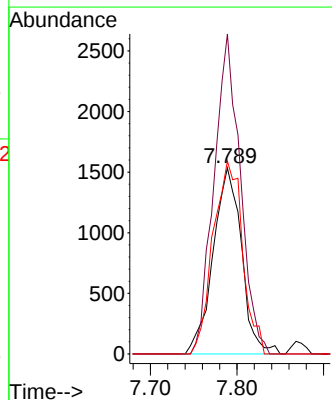
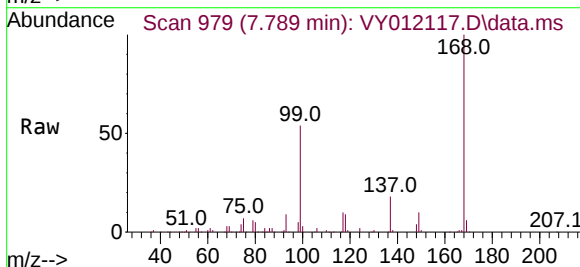
Instrument :
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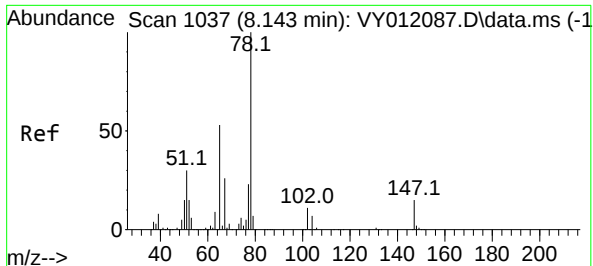
Tgt Ion: 43 Resp: 1976
Ion Ratio Lower Upper
43 100
72 28.6 22.6 34.0



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

Tgt Ion: 56 Resp: 3494
Ion Ratio Lower Upper
56 100
69 172.0 29.2 43.8#
84 103.7 72.6 108.8





#33

1,2-Dichloroethane-d4

Concen: 52.994 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012117.D

Acq: 09 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

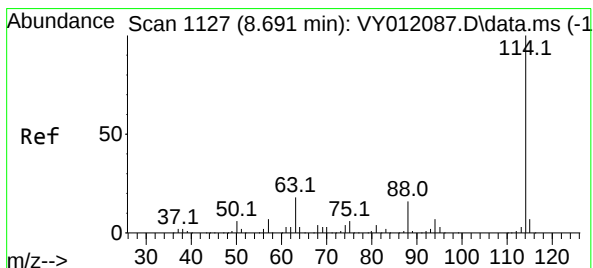
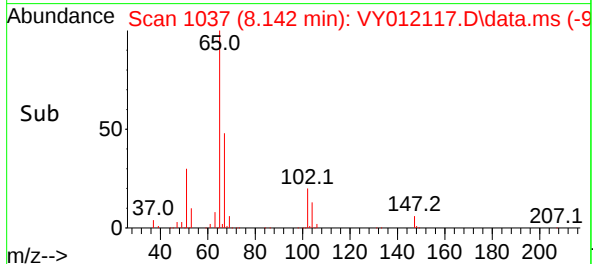
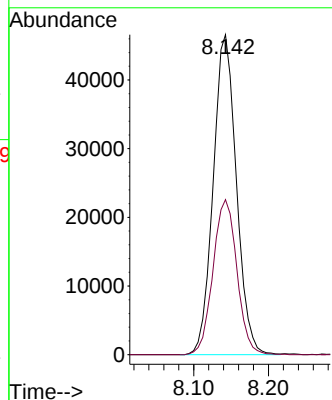
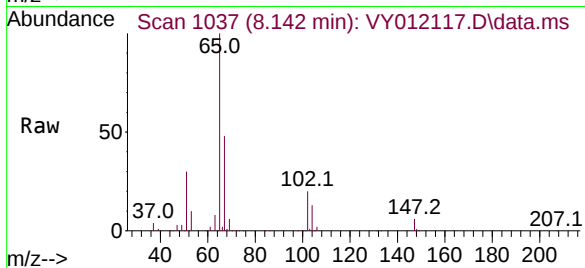
7822

Tgt Ion: 65 Resp: 100496

Ion Ratio Lower Upper

65 100

67 50.0 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: VY012117.D

Acq: 09 Jan 2023 17:44

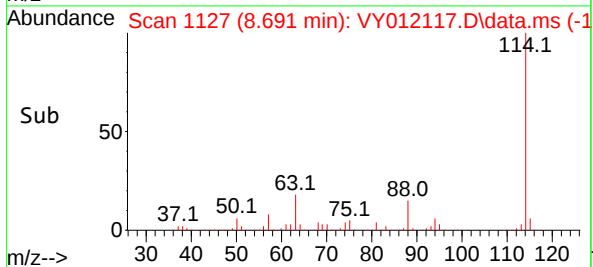
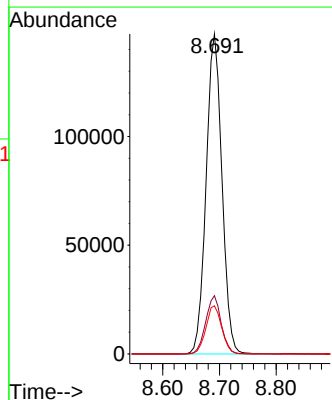
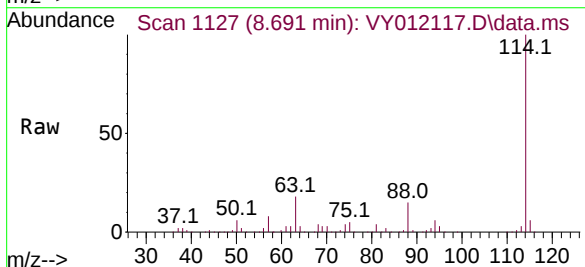
Tgt Ion: 114 Resp: 285006

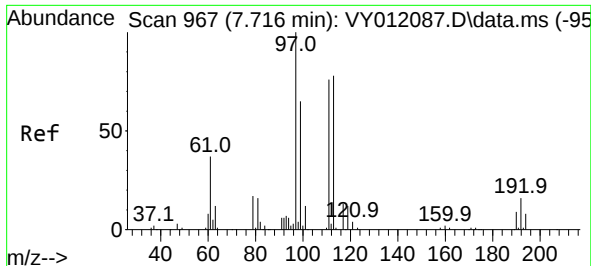
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.1 0.0 32.2

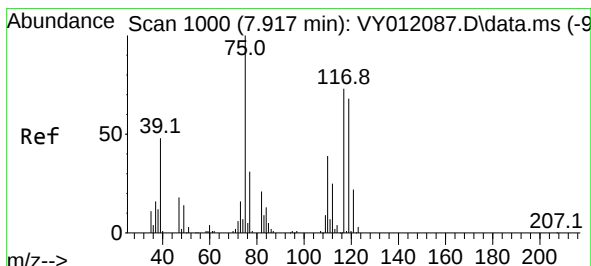
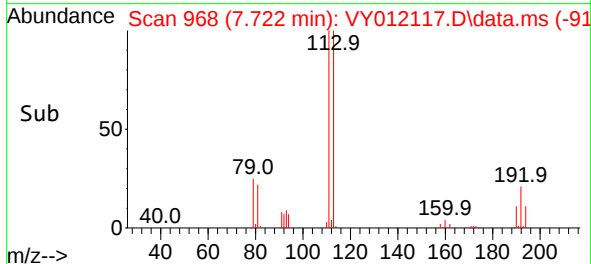
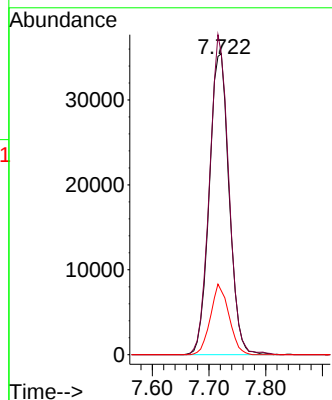
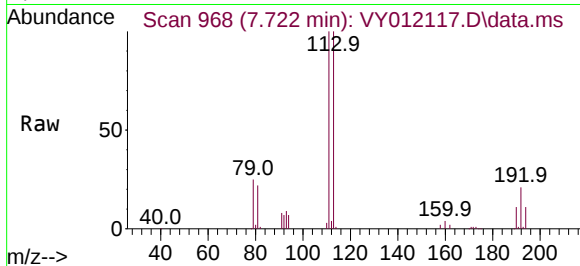




#35
Dibromofluoromethane
Concen: 45.994 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

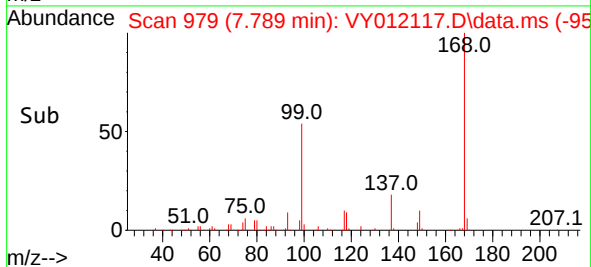
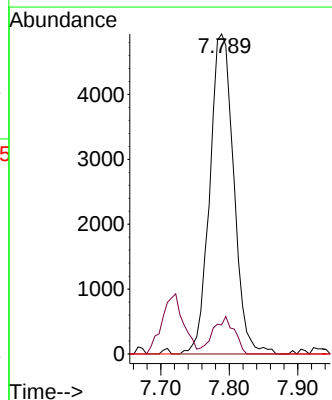
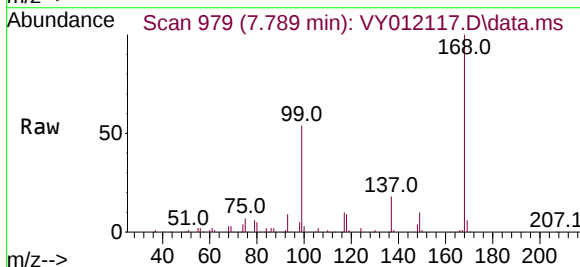
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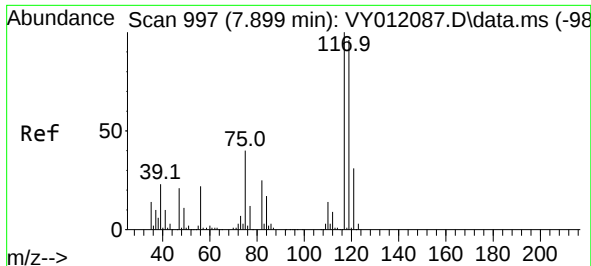
Tgt Ion:113 Resp: 86161
Ion Ratio Lower Upper
113 100
111 102.9 83.0 124.4
192 21.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.211 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

Tgt Ion: 75 Resp: 11969
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.1#
77 0.0 25.1 37.7#

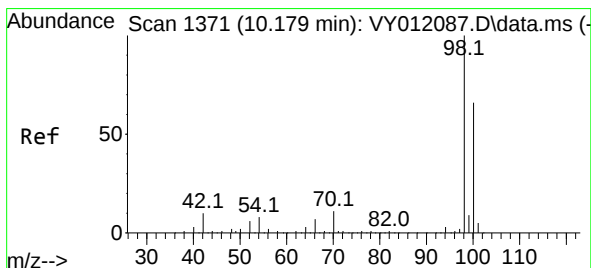
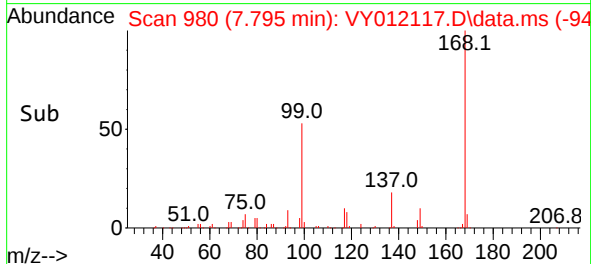
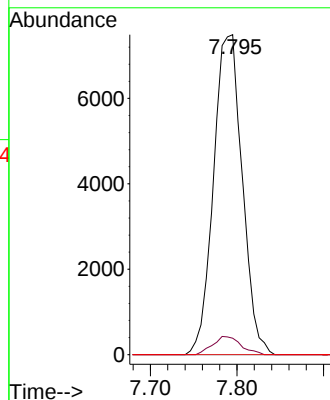
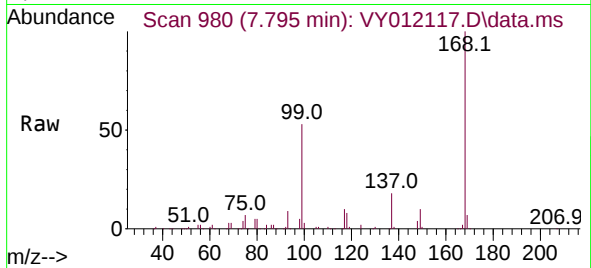




#38
Carbon Tetrachloride
Concen: 4.786 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

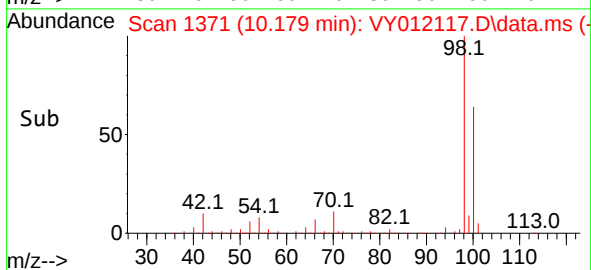
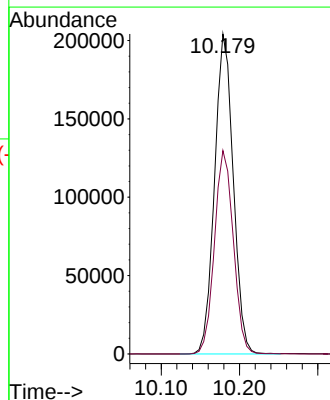
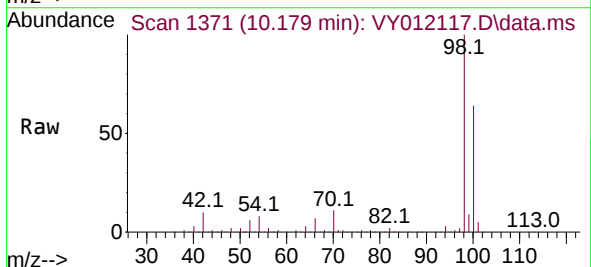
Instrument :
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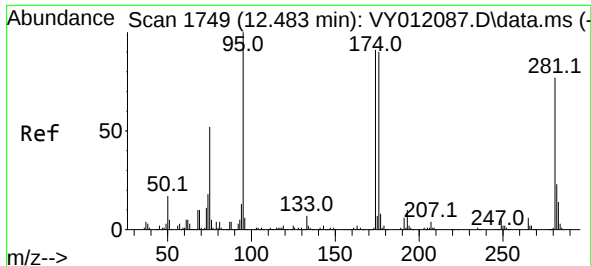
Tgt Ion:117 Resp: 17264
Ion Ratio Lower Upper
117 100
119 5.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.819 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

Tgt Ion: 98 Resp: 338784
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

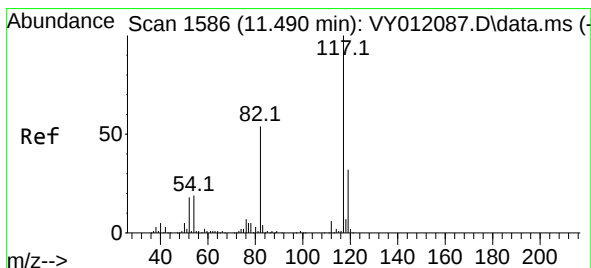
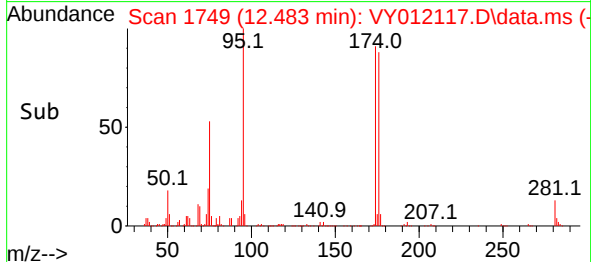
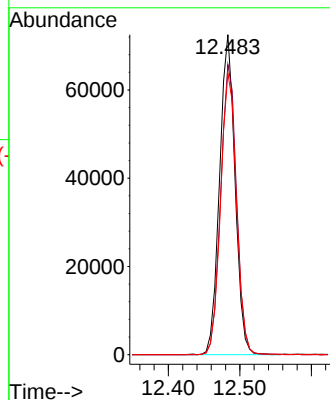
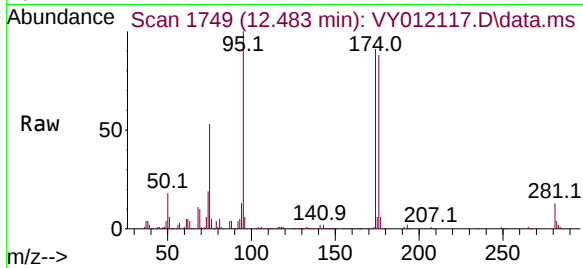




#62
4-Bromofluorobenzene
Concen: 42.179 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

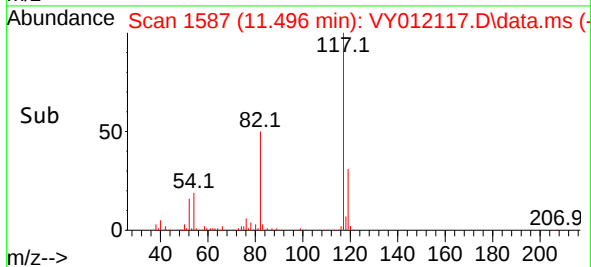
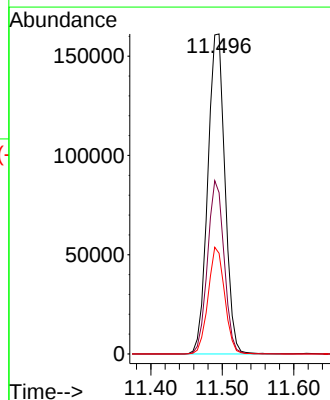
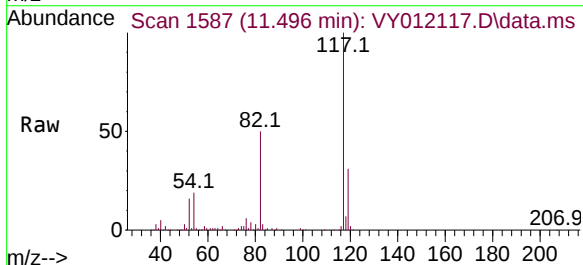
Instrument :
MSVOA_Y
ClientSampleId :
7822

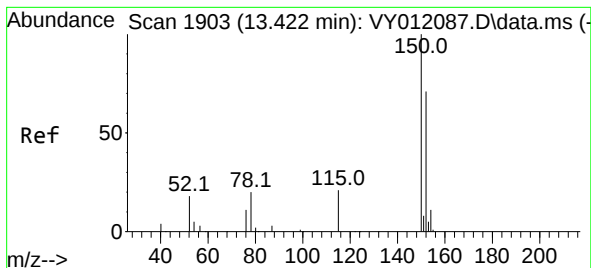
Tgt Ion: 95 Resp: 109013
Ion Ratio Lower Upper
95 100
174 92.9 0.0 172.0
176 90.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY012117.D
Acq: 09 Jan 2023 17:44

Tgt Ion: 117 Resp: 268560
Ion Ratio Lower Upper
117 100
82 50.4 44.8 67.2
119 31.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY012117.D

Acq: 09 Jan 2023 17:44

Instrument :

MSVOA_Y

ClientSampleId :

7822

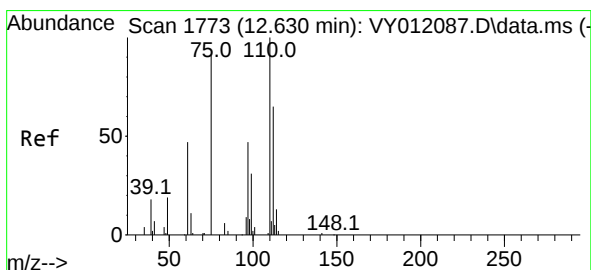
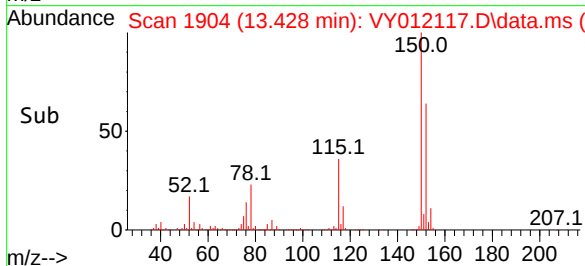
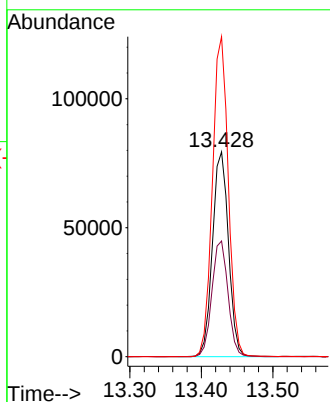
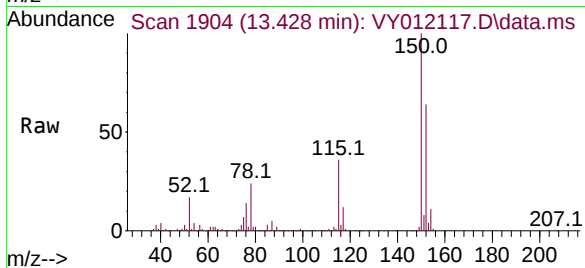
Tgt Ion:152 Resp: 123479

Ion Ratio Lower Upper

152 100

115 56.8 29.1 87.3

150 154.5 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 41.731 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012117.D

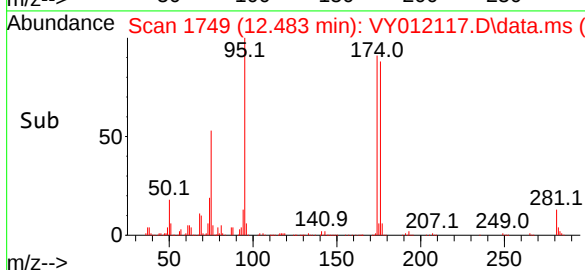
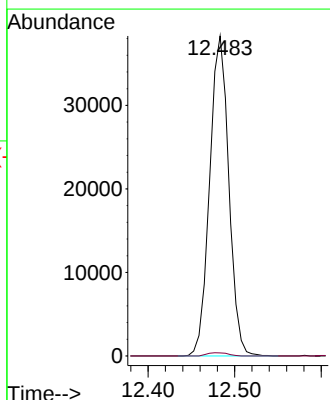
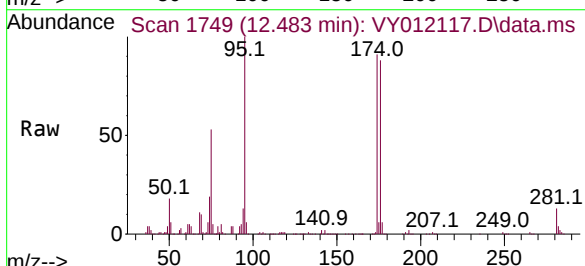
Acq: 09 Jan 2023 17:44

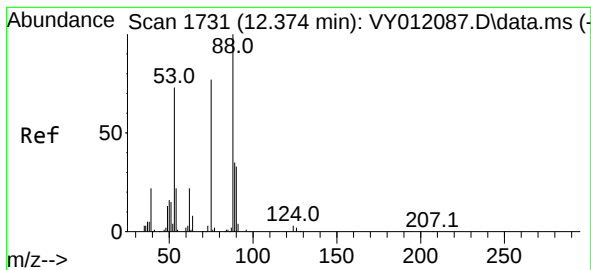
Tgt Ion: 75 Resp: 58836

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.678 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012117.D
 Acq: 09 Jan 2023 17:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 7822

Tgt Ion: 75 Resp: 58836
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.0 37.0 55.4#

