

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012109.D
 Acq On : 09 Jan 2023 14:32
 Operator : KP/MD
 Sample : 01064-01
 Misc : 8.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S4-01

Quant Time: Jan 10 01:46:49 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)

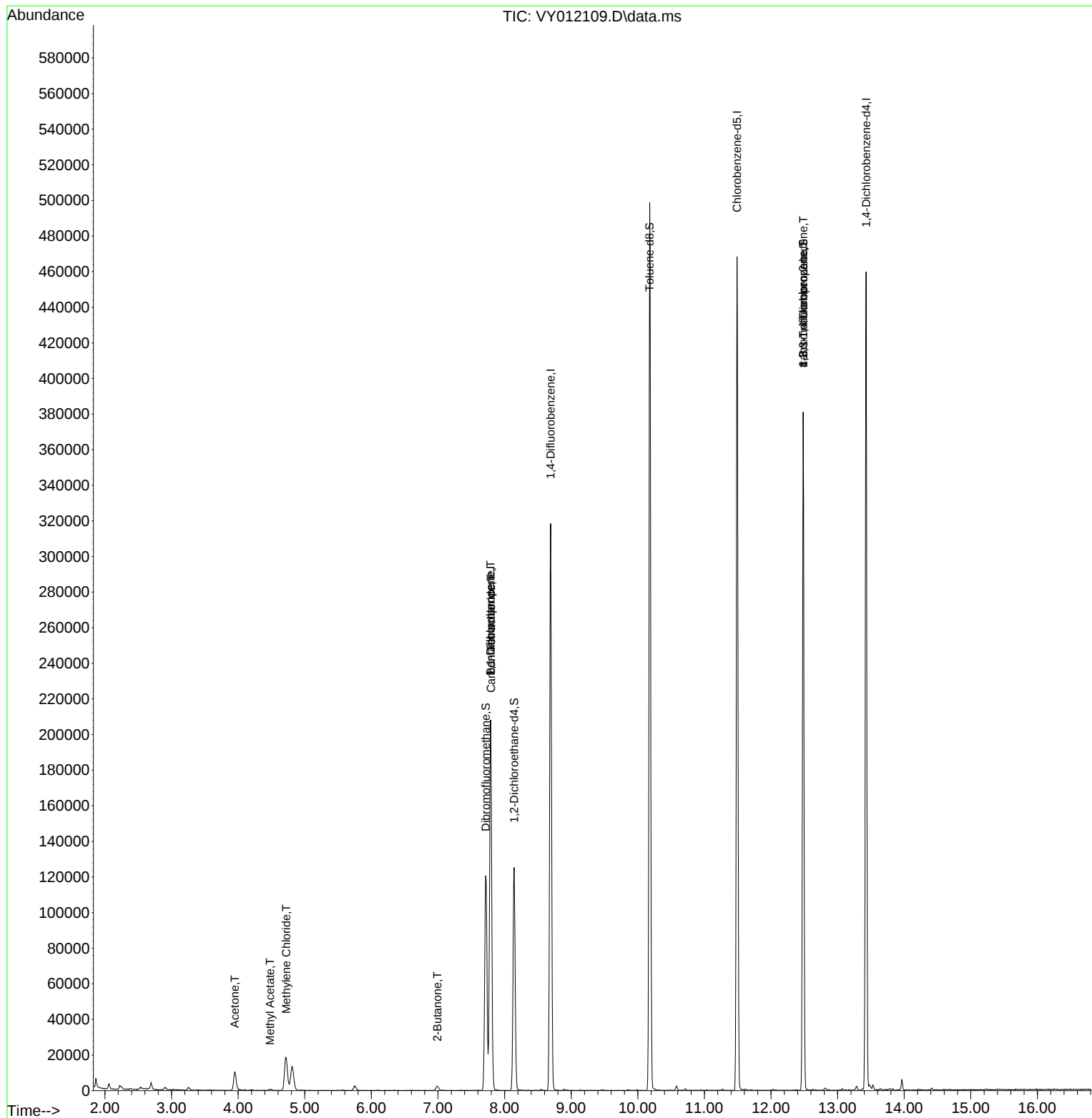
Internal Standards						
1) Pentafluorobenzene	7.789	168	163283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	276702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	261106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	105112	57.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.580%
35) Dibromofluoromethane	7.715	113	84702	46.572	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.140%
50) Toluene-d8	10.178	98	329097	45.845	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.680%
62) 4-Bromofluorobenzene	12.483	95	108299	43.161	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	167	Below Cal		90
5) Bromomethane	2.668	94	189	Below Cal	#	74
11) Tert butyl alcohol	4.942	59	248	Below Cal	#	74
16) Acetone	3.948	43	18304	42.409	ug/l	96
17) Carbon Disulfide	4.210	76	349	Below Cal	#	75
18) Methyl Acetate	4.478	43	1386	1.116	ug/l	99
20) Methylene Chloride	4.722	84	15798	3.109	ug/l	91
25) 2-Butanone	6.990	43	3905	6.858	ug/l	89
31) Cyclohexane	7.789	56	3073	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	11355	4.115	ug/l	# 50
38) Carbon Tetrachloride	7.795	117	16014	4.573	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	58480	42.676	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	58480	94.777	ug/l	# 13

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

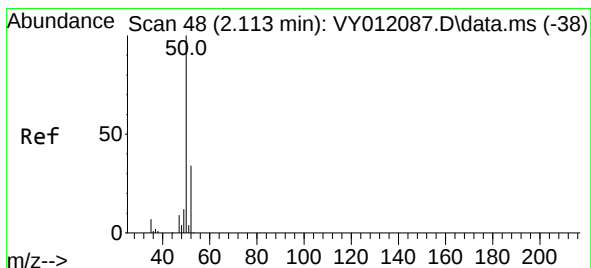
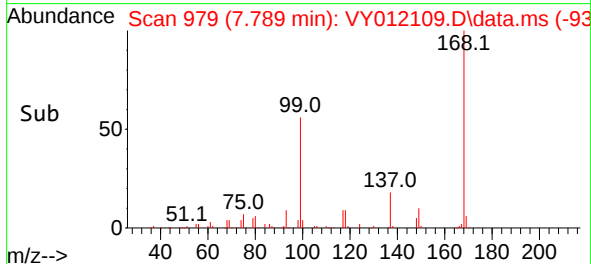
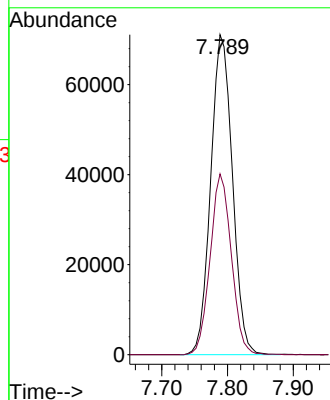
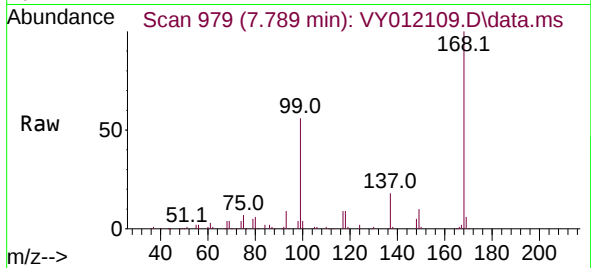




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

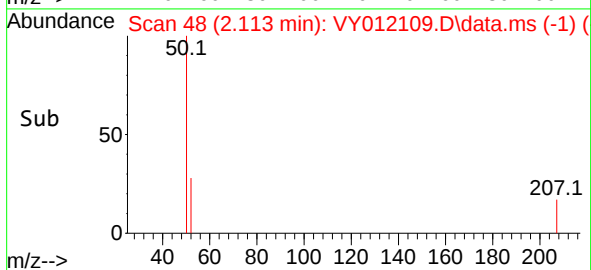
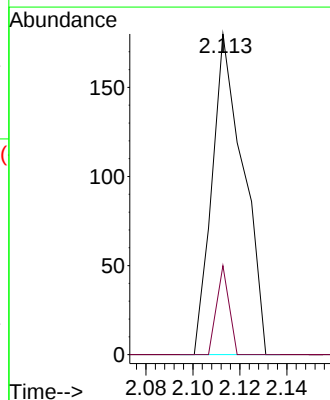
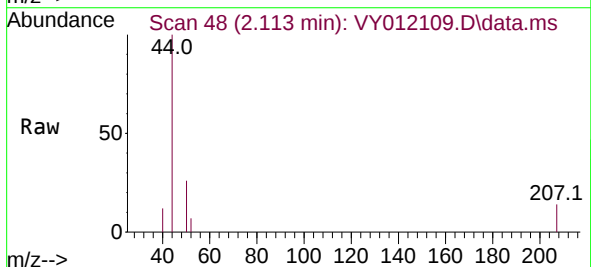
Instrument :
MSVOA_Y
ClientSampleId :
S4-01

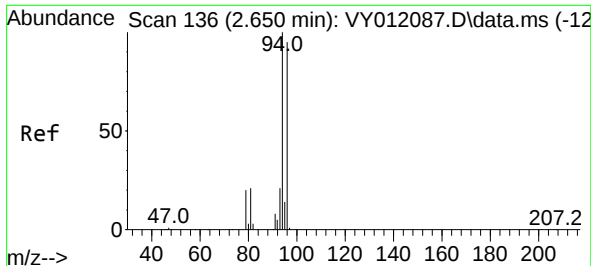
Tgt Ion:168 Resp: 163283
Ion Ratio Lower Upper
168 100
99 56.5 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

Tgt Ion: 50 Resp: 167
Ion Ratio Lower Upper
50 100
52 27.8 26.8 40.2

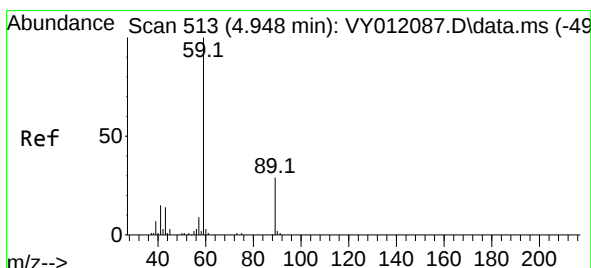
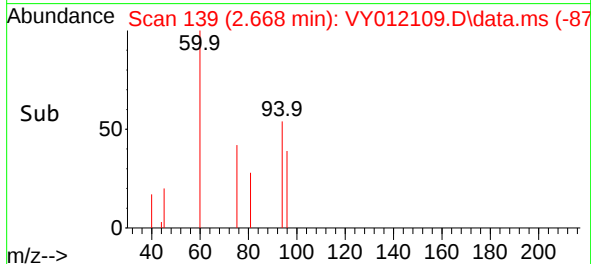
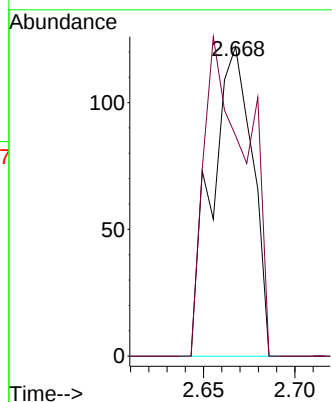
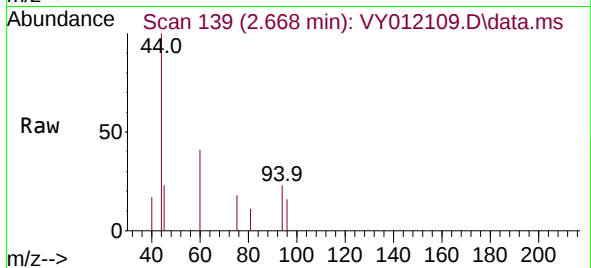




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

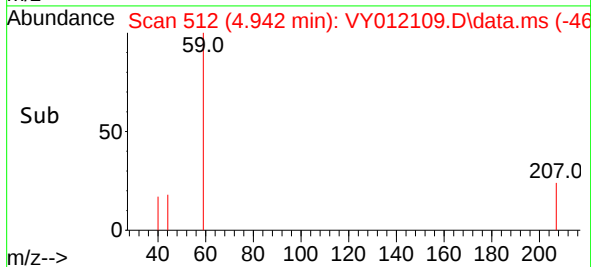
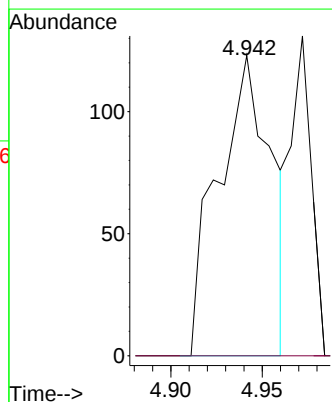
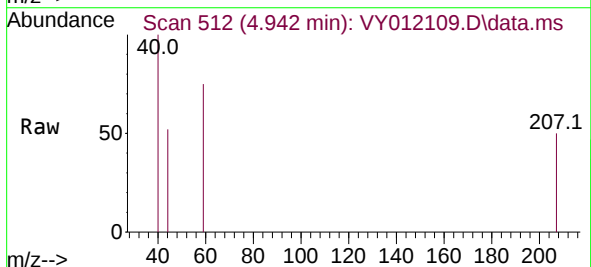
Instrument :
MSVOA_Y
ClientSampleId :
S4-01

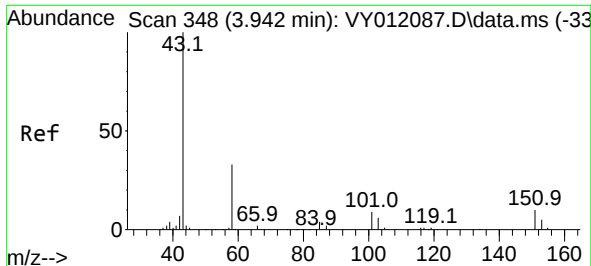
Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 71.3 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

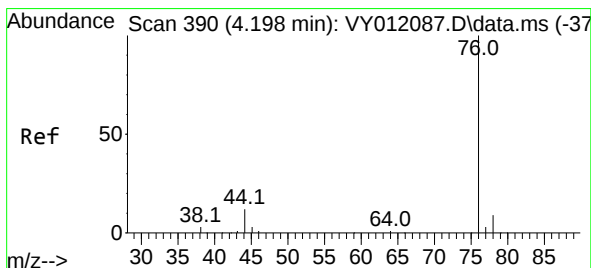
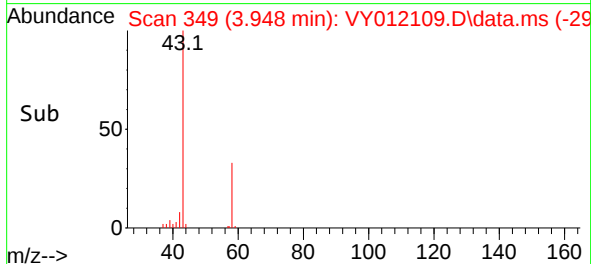
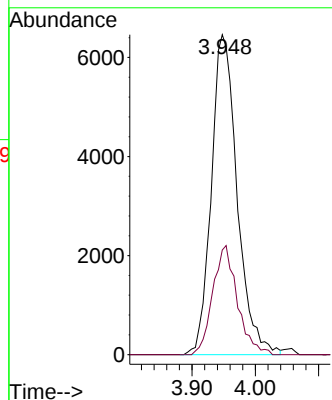
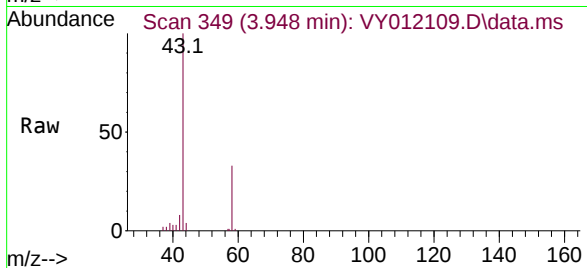




#16
Acetone
Concen: 42.409 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

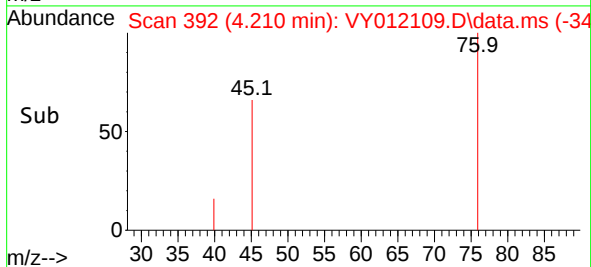
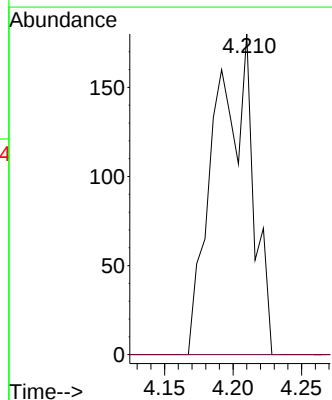
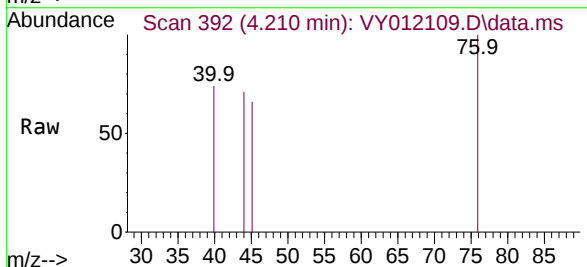
Instrument :
MSVOA_Y
ClientSampleId :
S4-01

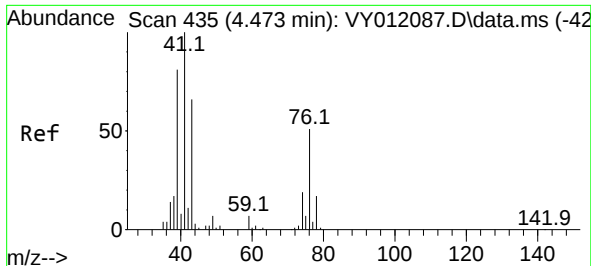
Tgt Ion: 43 Resp: 18304
Ion Ratio Lower Upper
43 100
58 32.7 27.9 41.9



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.210 min Scan# 392
Delta R.T. 0.012 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

Tgt Ion: 76 Resp: 349
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#18

Methyl Acetate

Concen: 1.116 ug/l

RT: 4.478 min Scan# 41

Delta R.T. 0.005 min

Lab File: VY012109.D

Acq: 09 Jan 2023 14:32

Instrument :

MSVOA_Y

ClientSampleId :

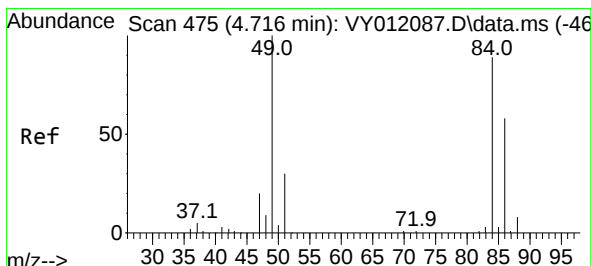
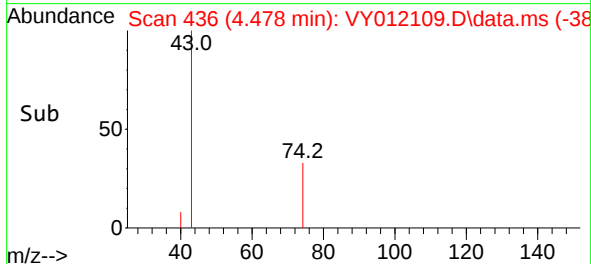
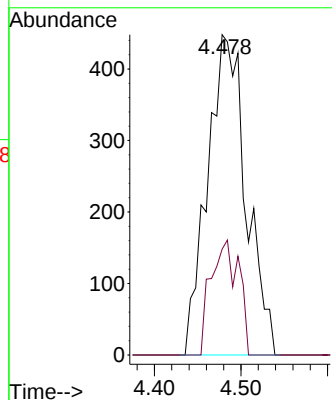
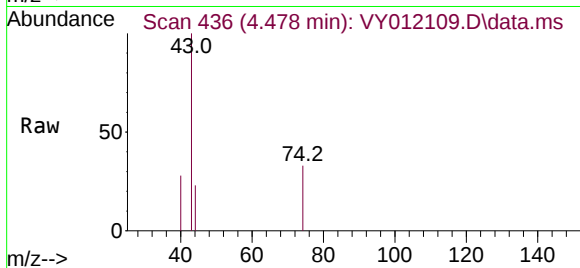
S4-01

Tgt Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

74 25.8 20.1 30.1



#20

Methylene Chloride

Concen: 3.109 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012109.D

Acq: 09 Jan 2023 14:32

Tgt Ion: 84 Resp: 15798

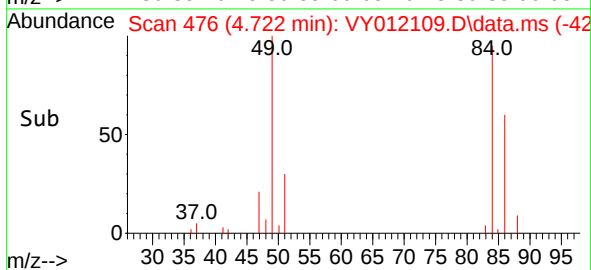
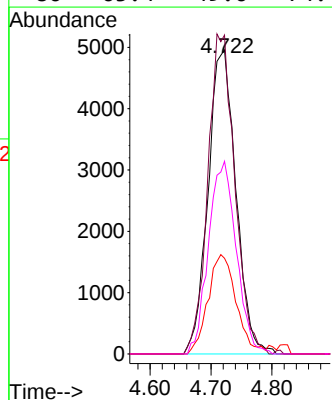
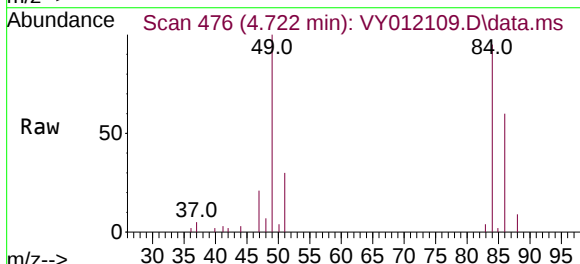
Ion Ratio Lower Upper

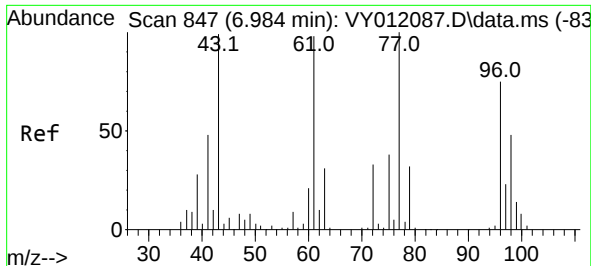
84 100

49 104.9 95.4 143.2

51 31.5 29.9 44.9

86 63.4 49.6 74.4





#25

2-Butanone

Concen: 6.858 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY012109.D

Acq: 09 Jan 2023 14:32

Instrument :

MSVOA_Y

ClientSampleId :

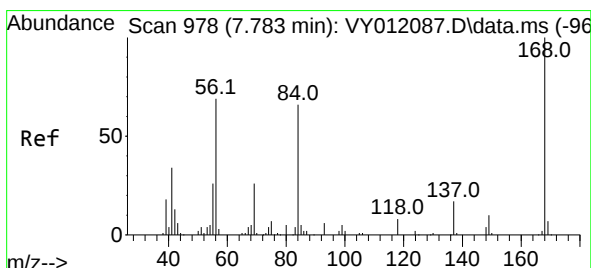
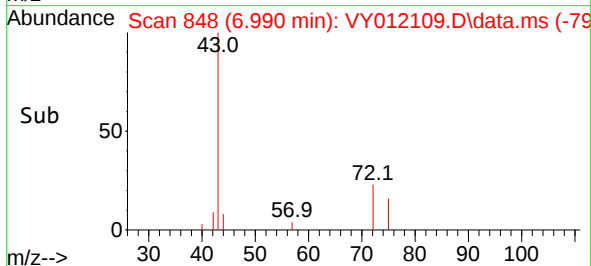
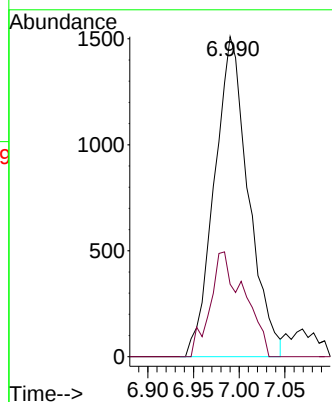
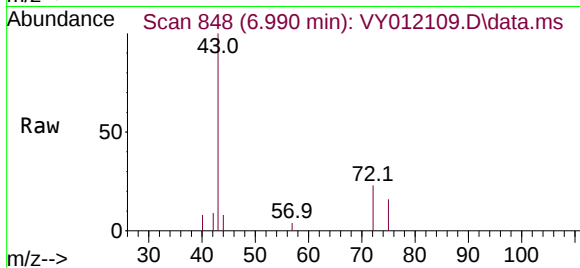
S4-01

Tgt Ion: 43 Resp: 3905

Ion Ratio Lower Upper

43 100

72 22.6 22.6 34.0



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012109.D

Acq: 09 Jan 2023 14:32

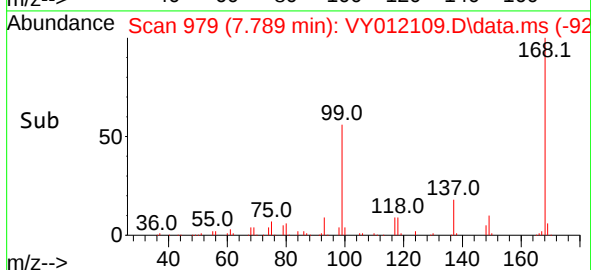
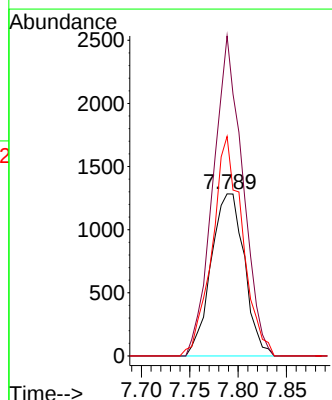
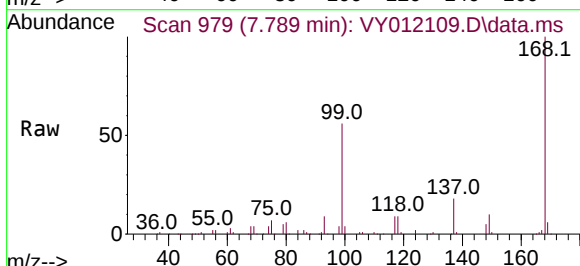
Tgt Ion: 56 Resp: 3073

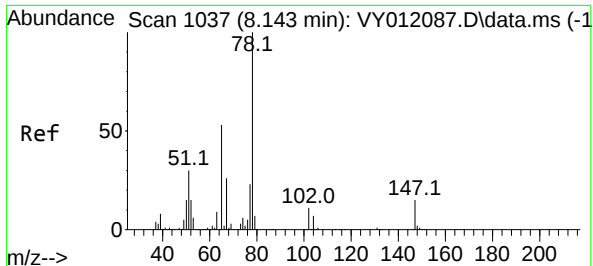
Ion Ratio Lower Upper

56 100

69 197.5 29.2 43.8#

84 135.5 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 57.290 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012109.D

Acq: 09 Jan 2023 14:32

Instrument :

MSVOA_Y

ClientSampleId :

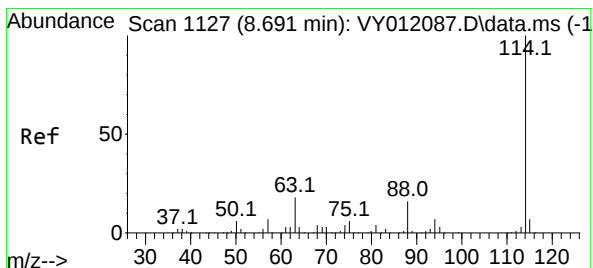
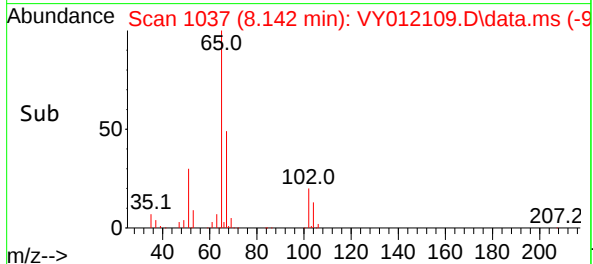
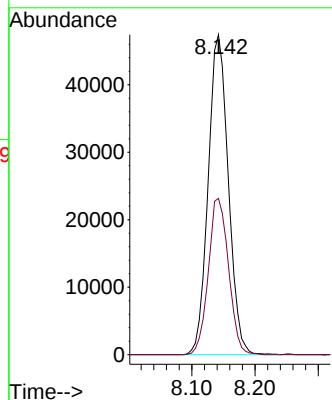
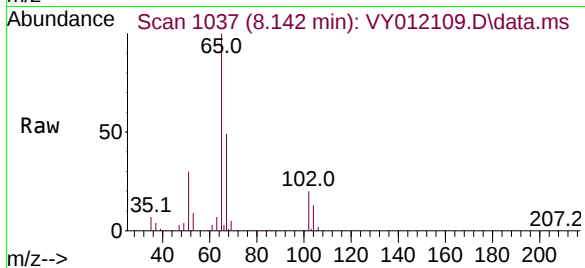
S4-01

Tgt Ion: 65 Resp: 105112

Ion Ratio Lower Upper

65 100

67 49.0 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: VY012109.D

Acq: 09 Jan 2023 14:32

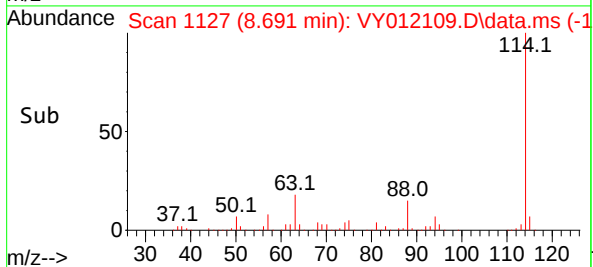
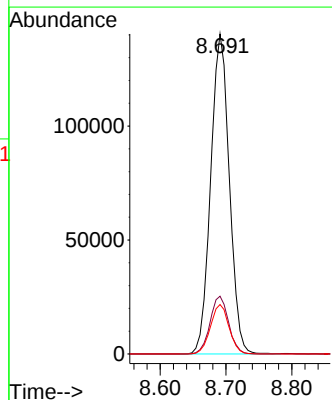
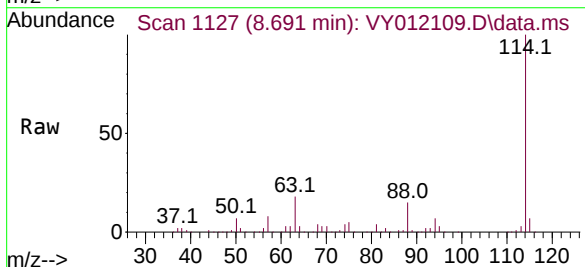
Tgt Ion:114 Resp: 276702

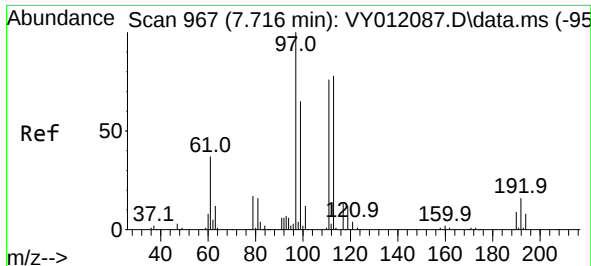
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 15.4 0.0 32.2

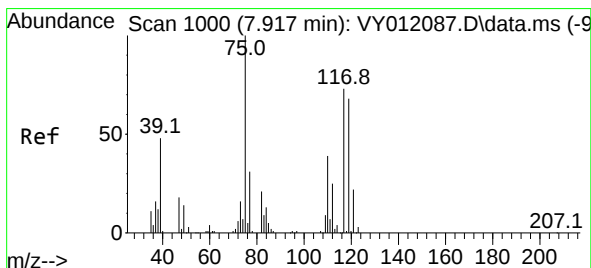
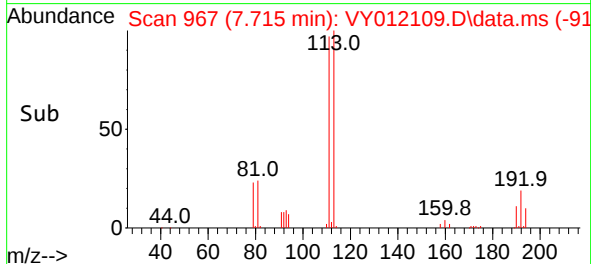
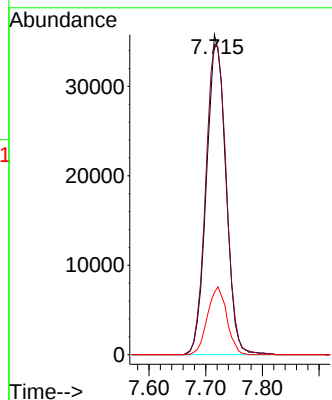
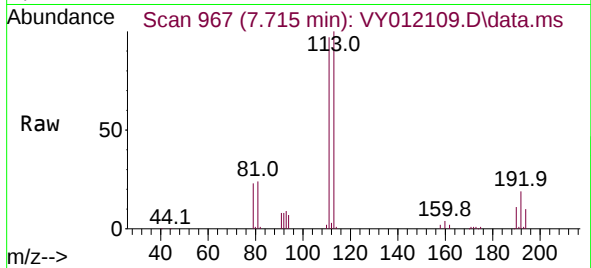




#35
Dibromofluoromethane
Concen: 46.572 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.001 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

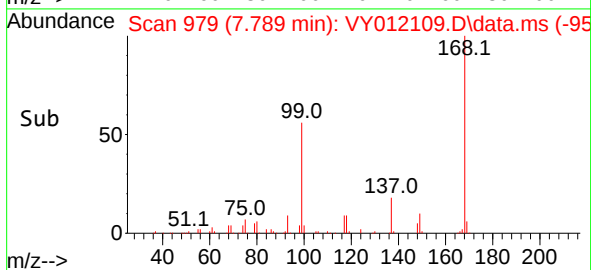
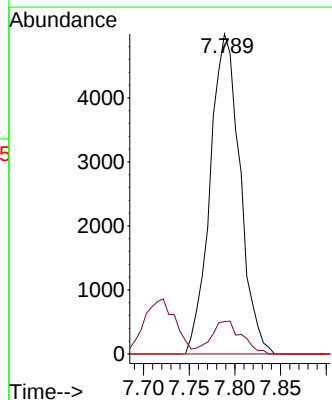
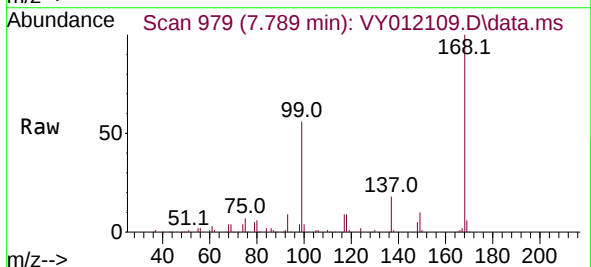
Instrument :
MSVOA_Y
ClientSampleId :
S4-01

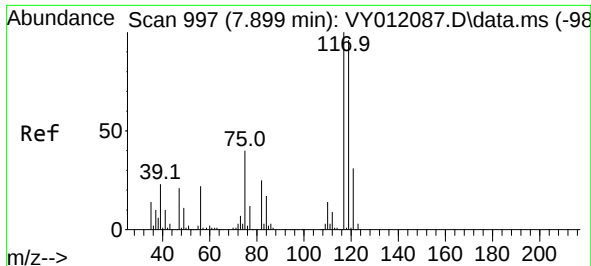
Tgt Ion:113 Resp: 84702
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.4
192 21.2 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.115 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

Tgt Ion: 75 Resp: 11355
Ion Ratio Lower Upper
75 100
110 10.4 18.1 54.1#
77 0.0 25.1 37.7#

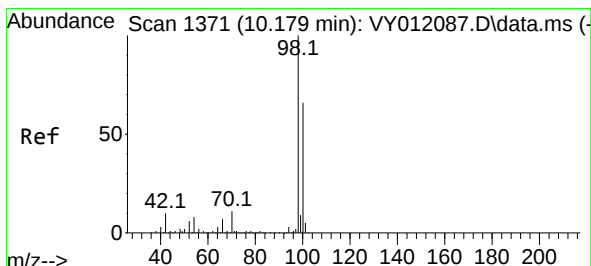
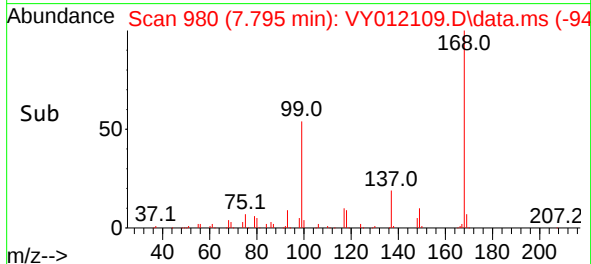
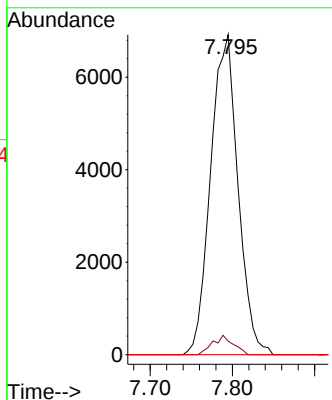
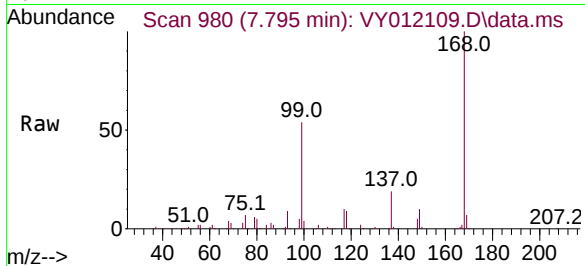




#38
Carbon Tetrachloride
Concen: 4.573 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

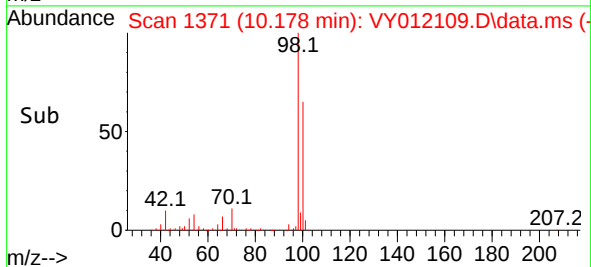
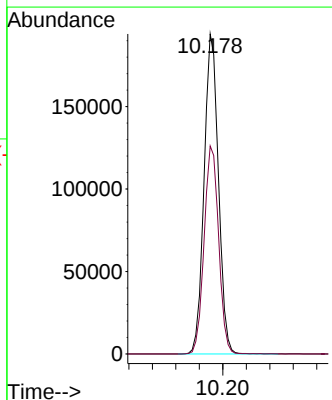
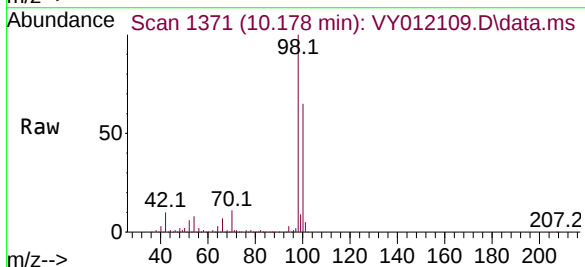
Instrument :
MSVOA_Y
ClientSampleId :
S4-01

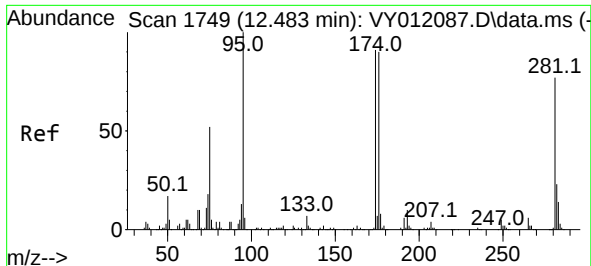
Tgt Ion:117 Resp: 16014
Ion Ratio Lower Upper
117 100
119 4.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 45.845 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

Tgt Ion: 98 Resp: 329097
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9

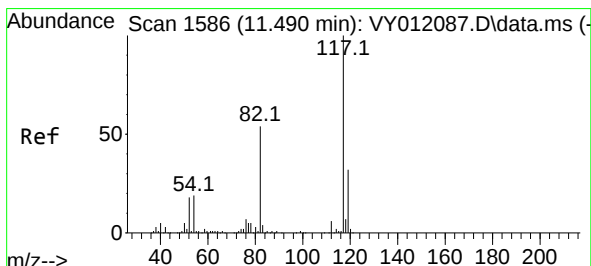
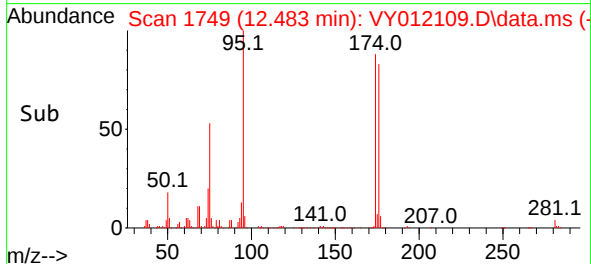
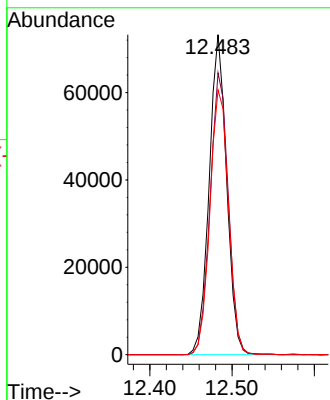
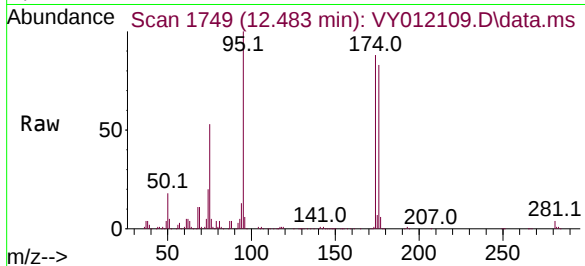




#62
4-Bromofluorobenzene
Concen: 43.161 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

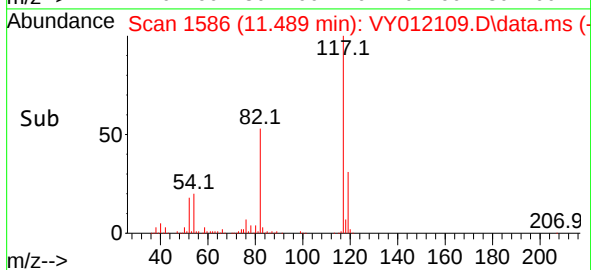
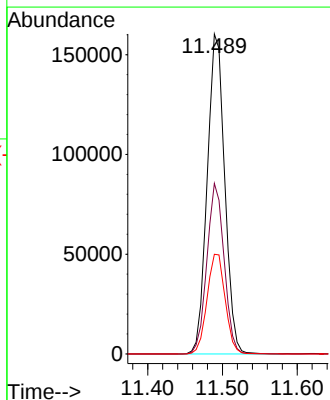
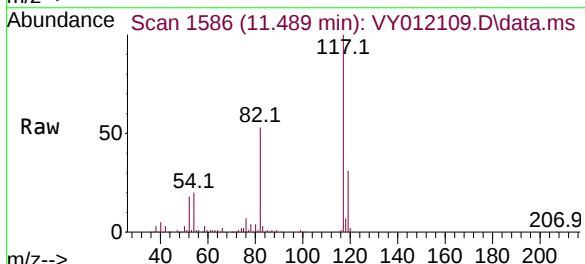
Instrument :
MSVOA_Y
ClientSampleId :
S4-01

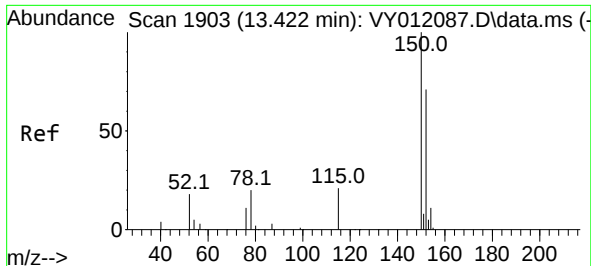
Tgt Ion: 95 Resp: 108299
Ion Ratio Lower Upper
95 100
174 91.9 0.0 172.0
176 87.8 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012109.D
Acq: 09 Jan 2023 14:32

Tgt Ion: 117 Resp: 261106
Ion Ratio Lower Upper
117 100
82 53.3 44.8 67.2
119 31.2 25.4 38.2

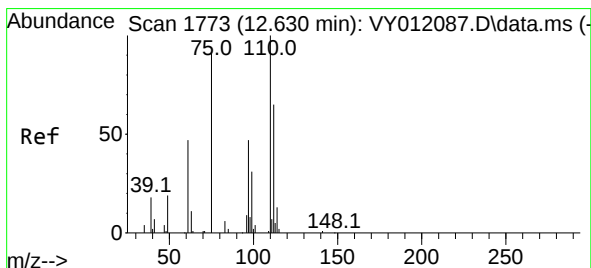
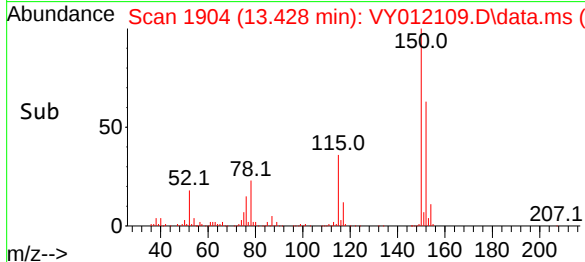
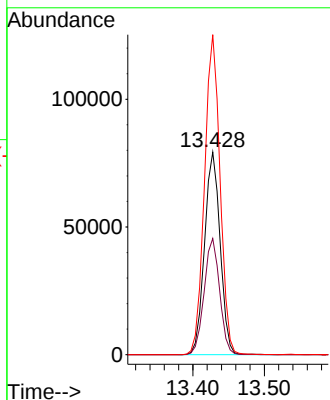
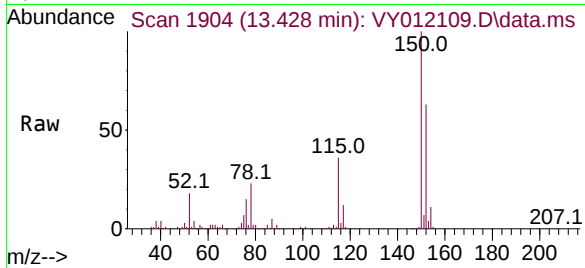




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY012109.D
 Acq: 09 Jan 2023 14:32

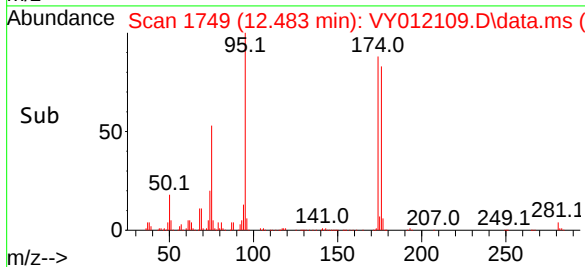
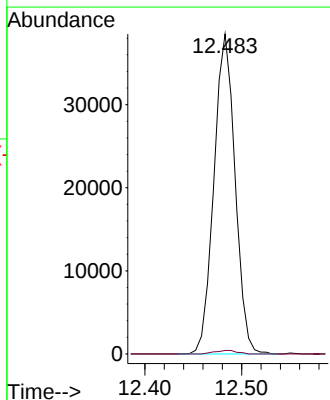
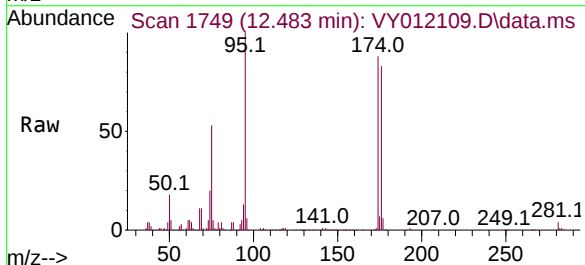
Instrument :
 MSVOA_Y
 ClientSampleId :
 S4-01

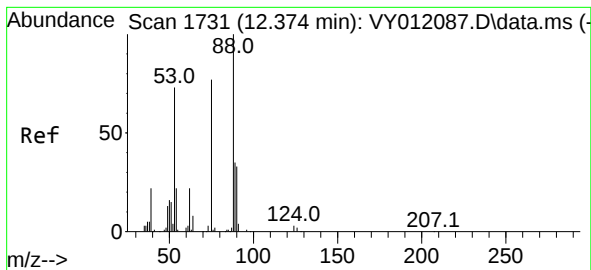
Tgt Ion:152 Resp: 120014
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.1 87.3
 150 157.5 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 42.676 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY012109.D
 Acq: 09 Jan 2023 14:32

Tgt Ion: 75 Resp: 58480
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.777 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012109.D
 Acq: 09 Jan 2023 14:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 S4-01

Tgt Ion: 75 Resp: 58480
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

