

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090922\
 Data File : VY010417.D
 Acq On : 09 Sep 2022 14:27
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Sep 09 16:10:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 14:23:09 2022
 Response via : Initial Calibration

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

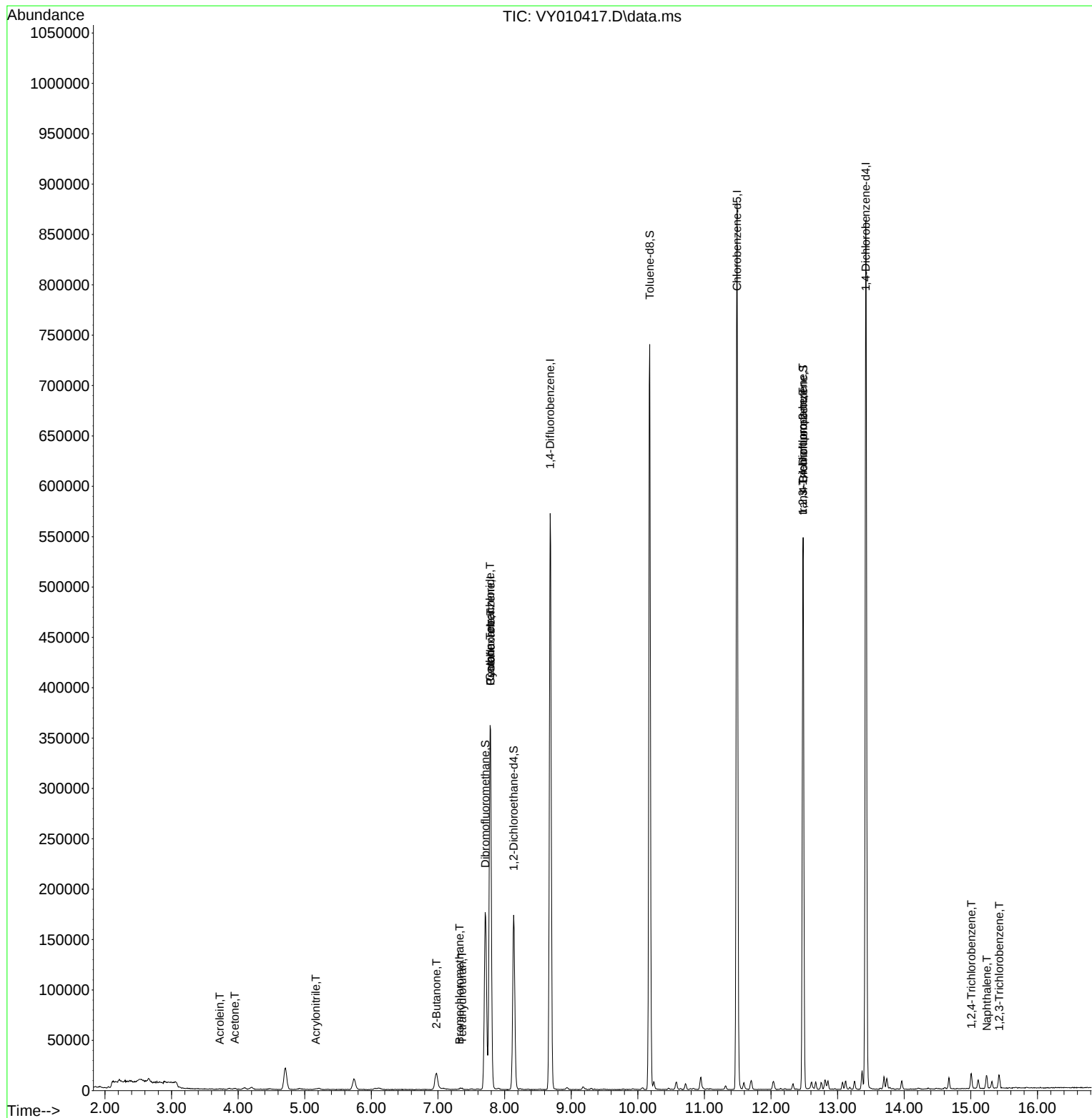
Internal Standards						
1) Pentafluorobenzene	7.789	168	296662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	507044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	480217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	230568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131286	43.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.880%
35) Dibromofluoromethane	7.709	113	126161	35.034	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.060%
50) Toluene-d8	10.178	98	494694	42.387	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.780%
62) 4-Bromofluorobenzene	12.483	95	168431	34.501	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	161	Below Cal	#	43
5) Bromomethane	2.649	94	2106	Below Cal		98
11) Tert butyl alcohol	4.948	59	1526	Below Cal	#	77
13) Acrolein	3.722	56	450	1.579	ug/l #	81
15) Acrylonitrile	5.167	53	1069	1.309	ug/l #	61
16) Acetone	3.948	43	1996	2.911	ug/l	90
20) Methylene Chloride	4.704	84	16572	Below Cal	#	79
25) 2-Butanone	6.978	43	1928	1.769	ug/l #	80
28) Bromochloromethane	7.325	49	223	1.510	ug/l #	81
29) Tetrahydrofuran	7.362	42	693	1.019	ug/l #	61
31) Cyclohexane	7.789	56	6030	1.195	ug/l #	1
38) Carbon Tetrachloride	7.782	117	28293	5.159	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.782	63	301	Below Cal	#	48
76) 1,2,3-Trichloropropane	12.477	75	85276	33.835	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	85276	74.407	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	4939	1.049	ug/l	98
95) Naphthalene	15.238	128	11742	1.264	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	4674	1.137	ug/l	98

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

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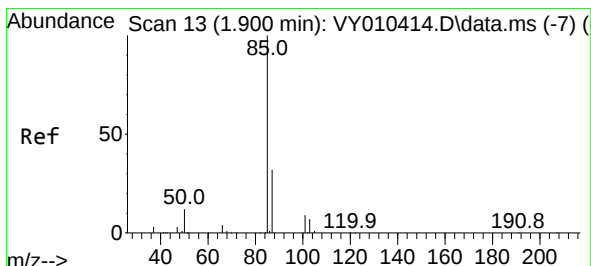
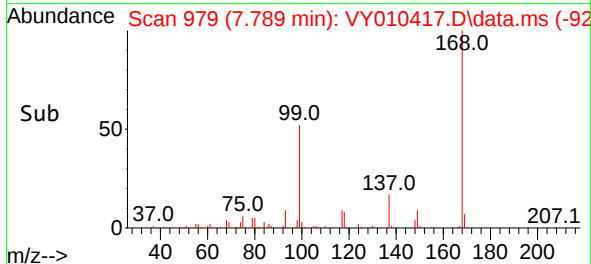
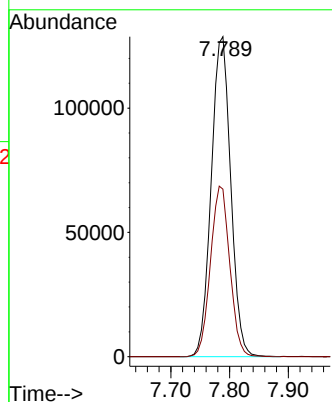
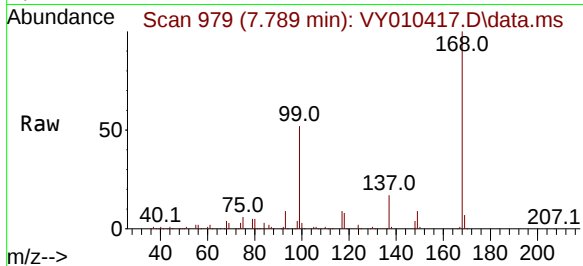




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

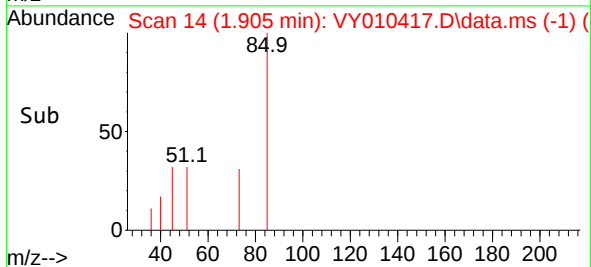
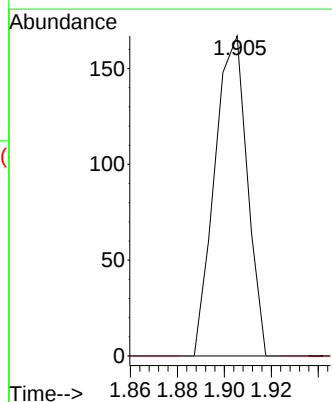
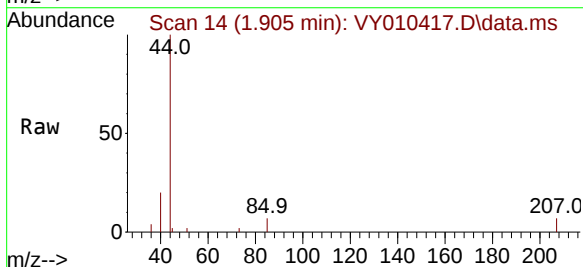
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

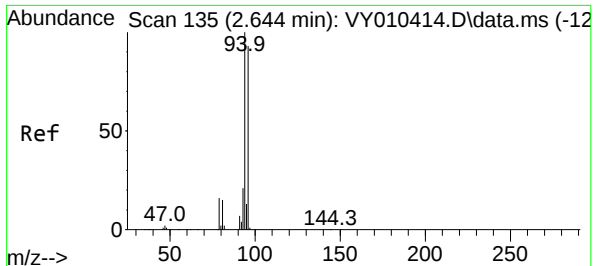
Tgt Ion:168 Resp: 296662
Ion Ratio Lower Upper
168 100
99 52.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.905 min Scan# 14
Delta R.T. 0.005 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion: 85 Resp: 161
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

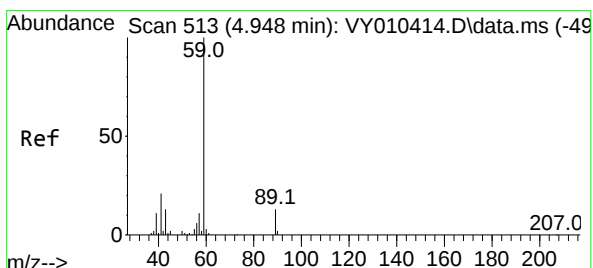
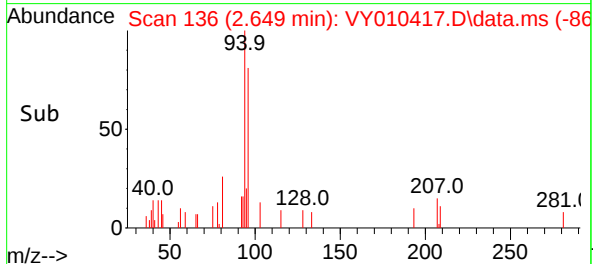
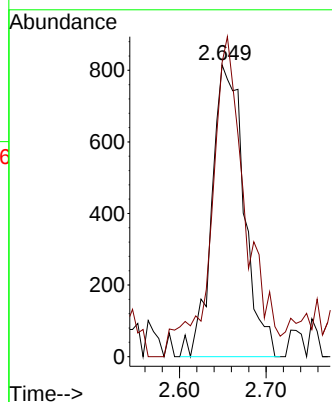
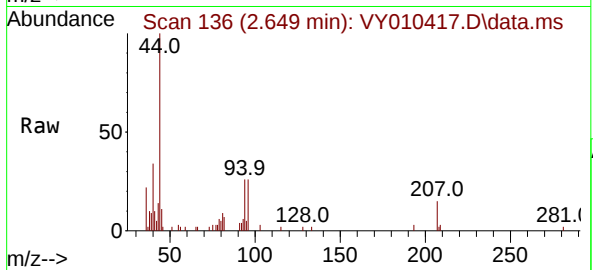




#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

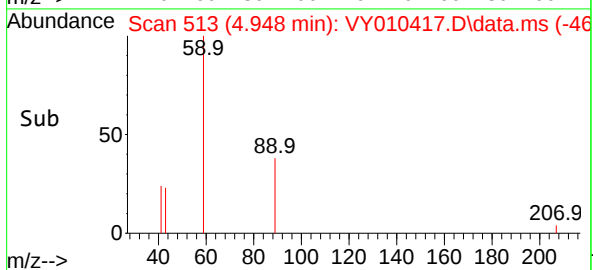
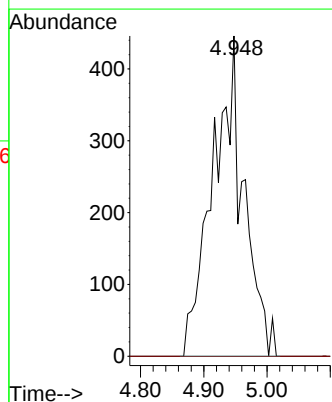
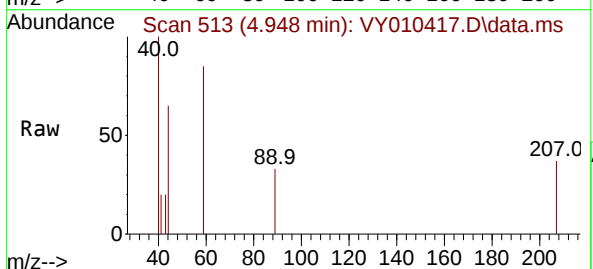
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

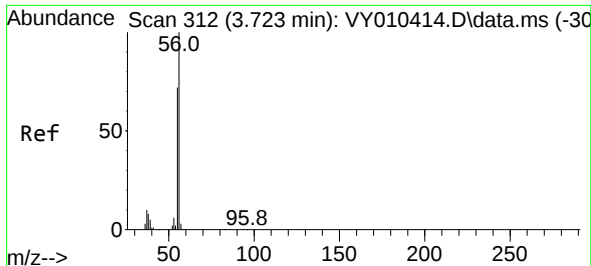
Tgt Ion: 94 Resp: 2106
Ion Ratio Lower Upper
94 100
96 93.9 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion: 59 Resp: 1526
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

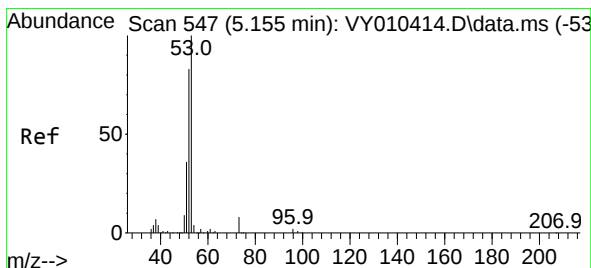
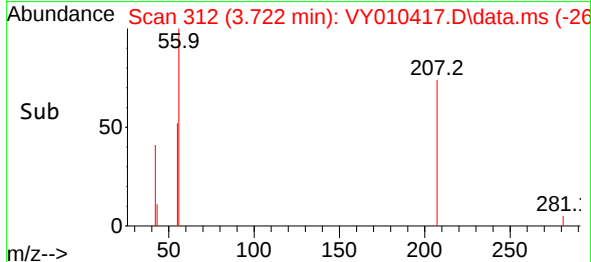
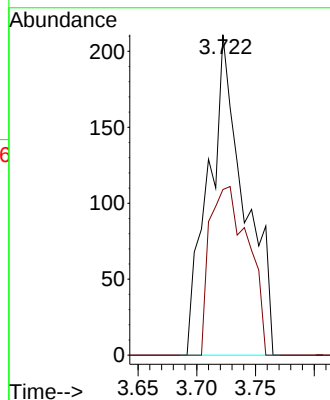
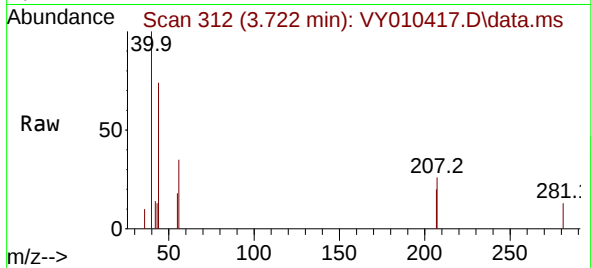




#13
Acrolein
Concen: 1.579 ug/l
RT: 3.722 min Scan# 312
Delta R.T. -0.001 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

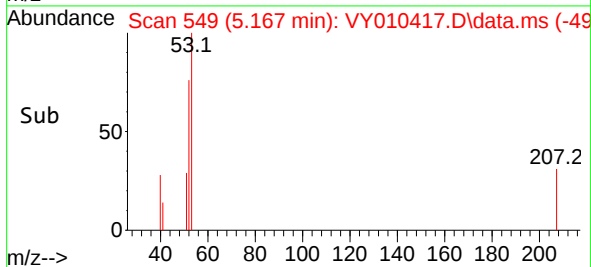
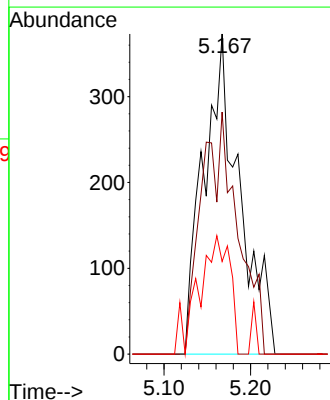
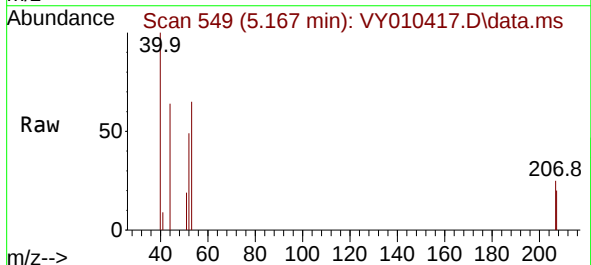
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

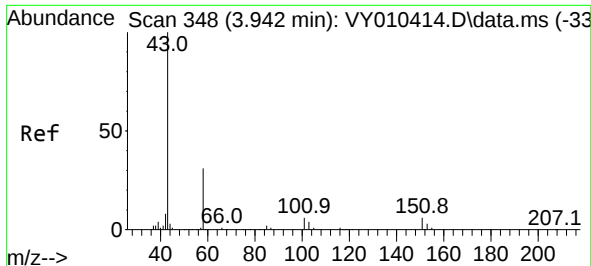
Tgt Ion: 56 Resp: 450
Ion Ratio Lower Upper
56 100
55 56.4 57.6 86.4#



#15
Acrylonitrile
Concen: 1.309 ug/l
RT: 5.167 min Scan# 549
Delta R.T. 0.012 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion: 53 Resp: 1069
Ion Ratio Lower Upper
53 100
52 36.2 67.0 100.4#
51 32.4 29.8 44.6

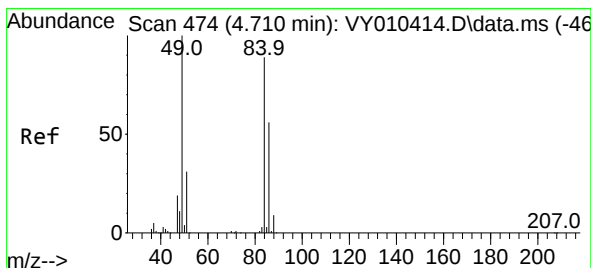
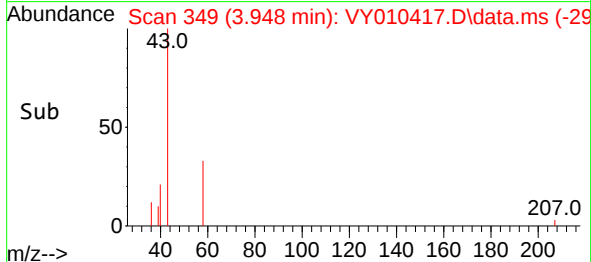
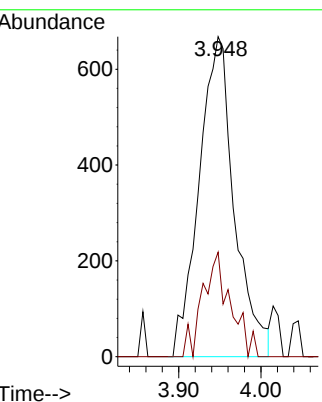
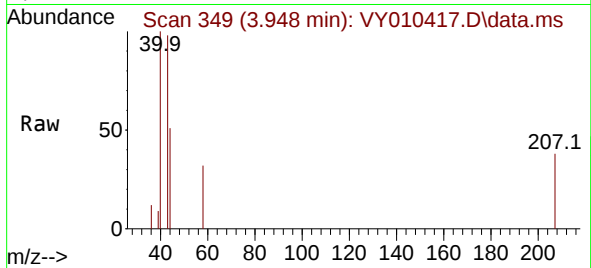




#16
Acetone
Concen: 2.911 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

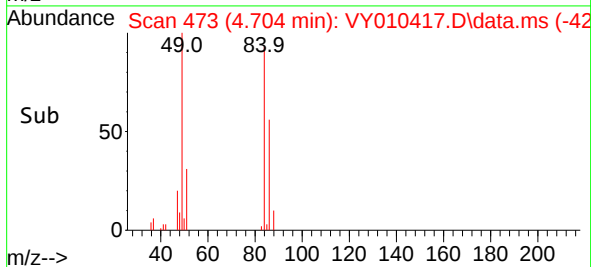
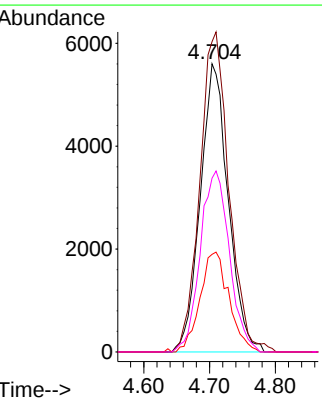
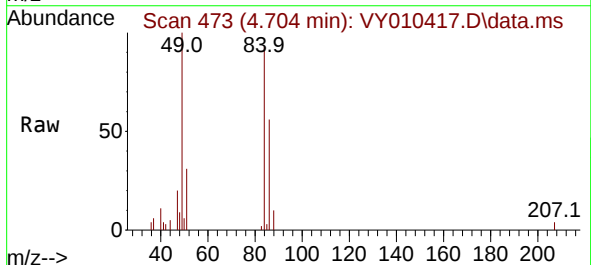
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

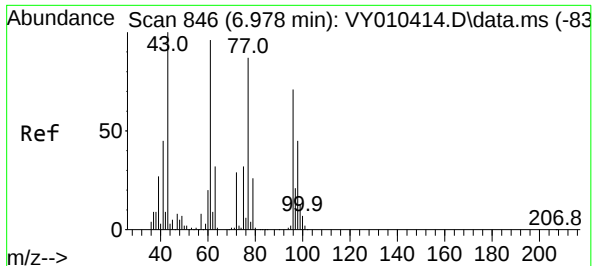
Tgt Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
58 32.6 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion: 84 Resp: 16572
Ion Ratio Lower Upper
84 100
49 107.6 114.4 171.6#
51 33.9 35.3 52.9#
86 60.3 53.7 80.5





#25

2-Butanone

Concen: 1.769 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY010417.D

Acq: 09 Sep 2022 14:27

Instrument :

MSVOA_Y

ClientSampleId :

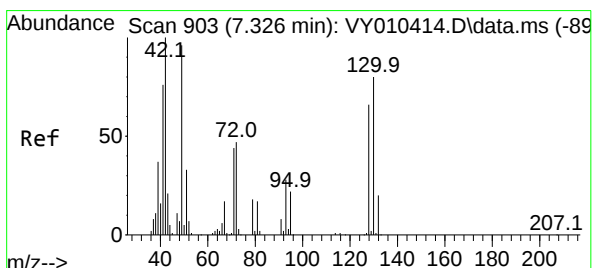
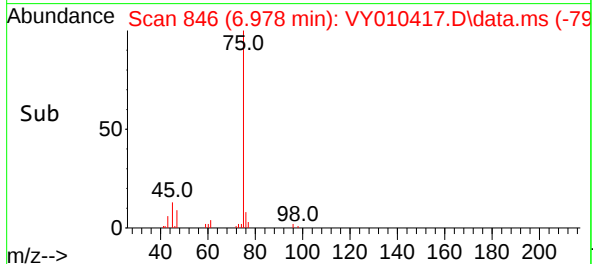
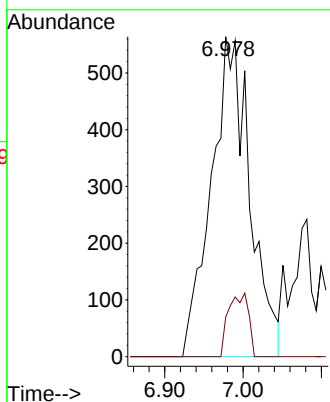
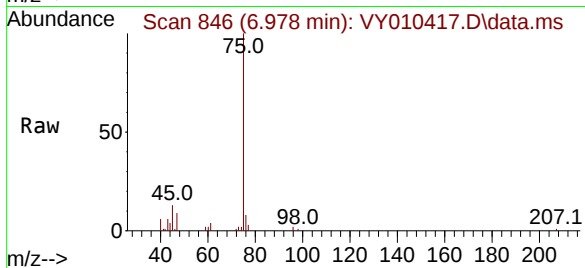
VIBLK

Tgt Ion: 43 Resp: 1928

Ion Ratio Lower Upper

43 100

72 12.4 17.7 26.5#



#28

Bromochloromethane

Concen: 1.510 ug/l

RT: 7.325 min Scan# 903

Delta R.T. -0.007 min

Lab File: VY010417.D

Acq: 09 Sep 2022 14:27

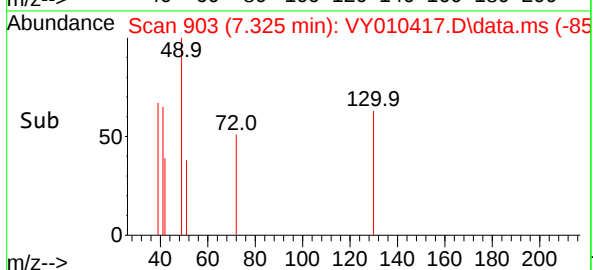
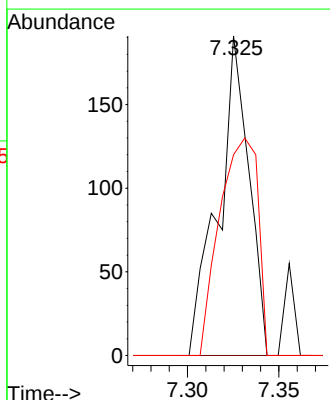
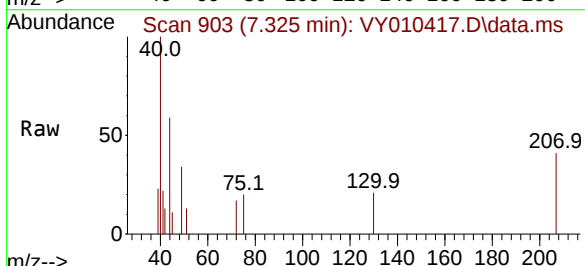
Tgt Ion: 49 Resp: 223

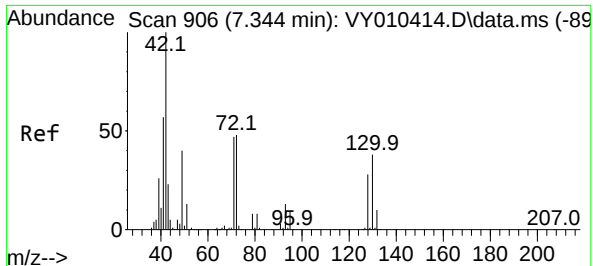
Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.2

130 85.2 55.4 83.0#





#29

Tetrahydrofuran

Concen: 1.019 ug/l

RT: 7.362 min Scan# 906

Delta R.T. 0.024 min

Lab File: VY010417.D

Acq: 09 Sep 2022 14:27

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

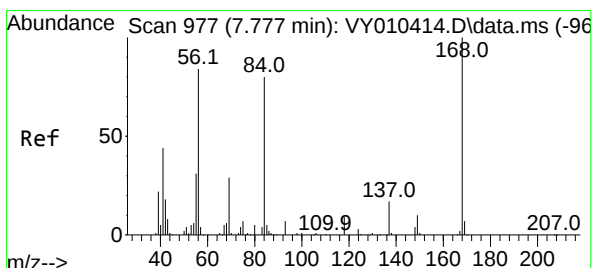
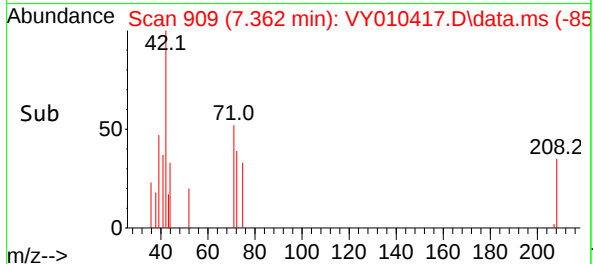
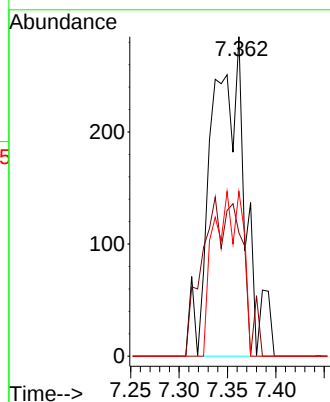
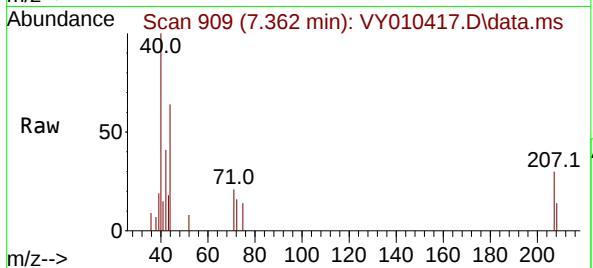
Tgt Ion: 42 Resp: 693

Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

71 43.9 29.0 43.4#



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY010417.D

Acq: 09 Sep 2022 14:27

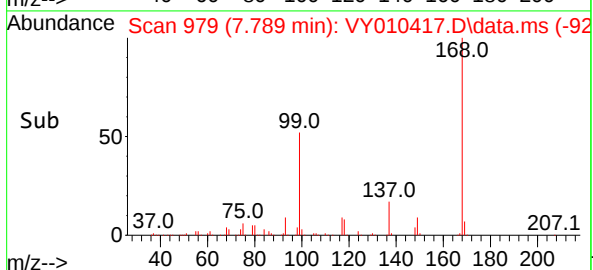
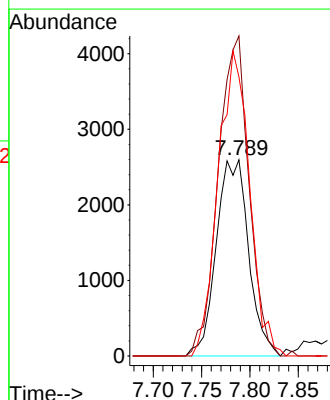
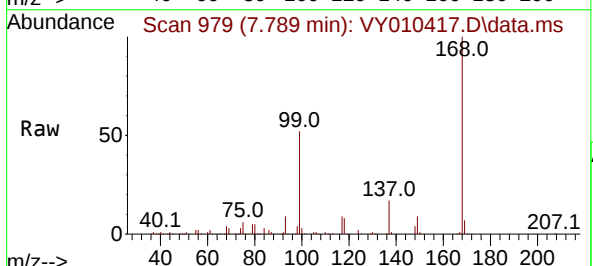
Tgt Ion: 56 Resp: 6030

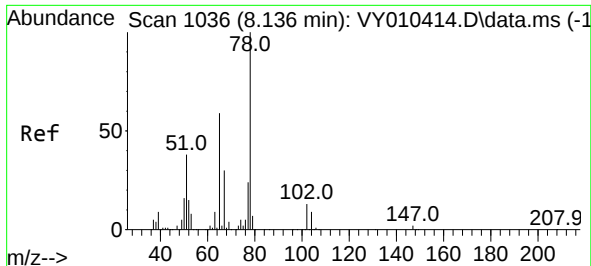
Ion Ratio Lower Upper

56 100

69 163.1 26.7 40.1#

84 142.3 67.2 100.8#

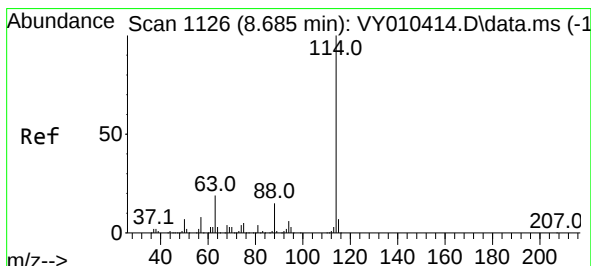
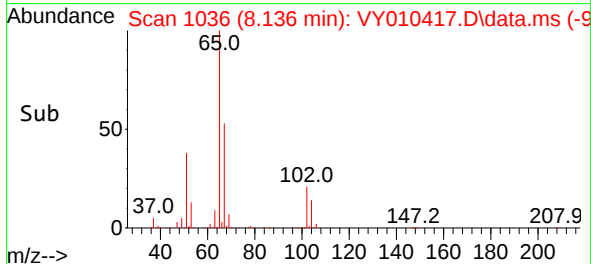
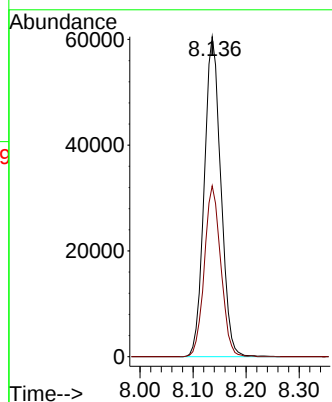
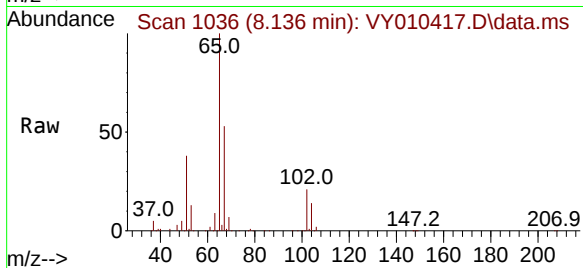




#33
 1,2-Dichloroethane-d4
 Concen: 43.940 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY010417.D
 Acq: 09 Sep 2022 14:27

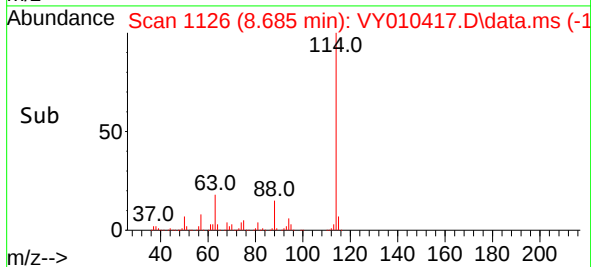
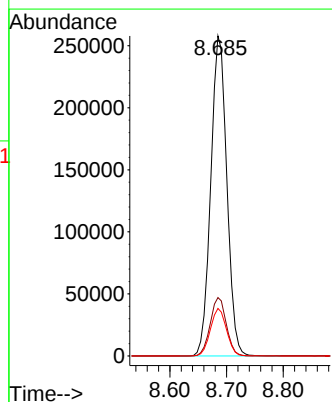
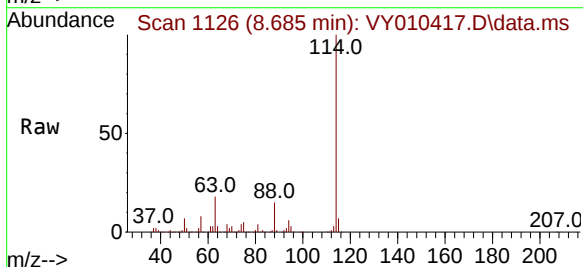
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 MSVOA_Y
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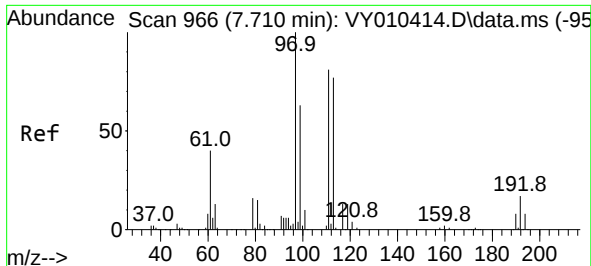
Tgt Ion: 65 Resp: 131286
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY010417.D
 Acq: 09 Sep 2022 14:27

Tgt Ion: 114 Resp: 507044
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.2
 88 14.9 0.0 31.8

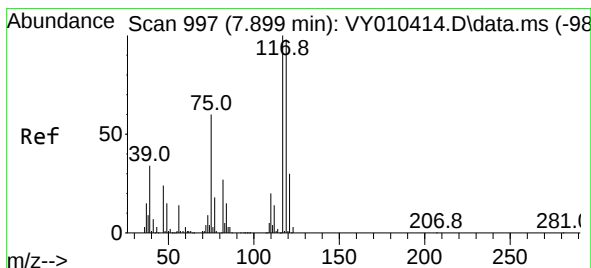
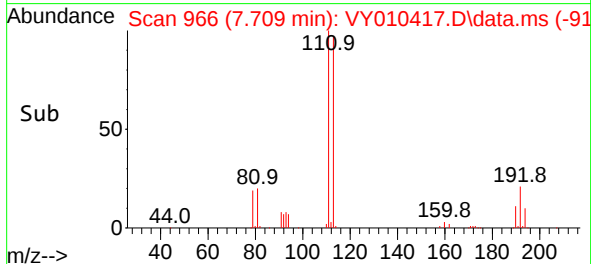
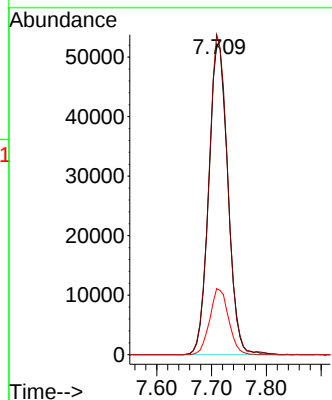
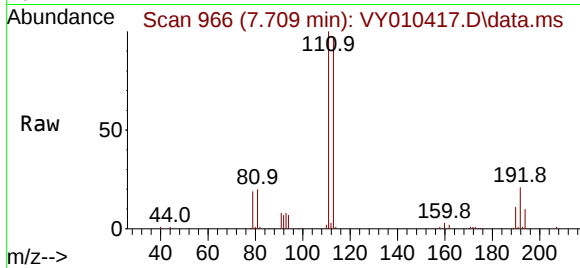




#35
Dibromofluoromethane
Concen: 35.034 ug/l
RT: 7.709 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

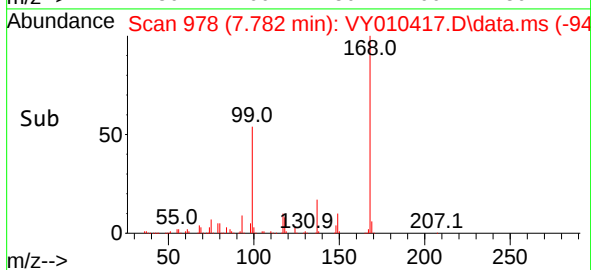
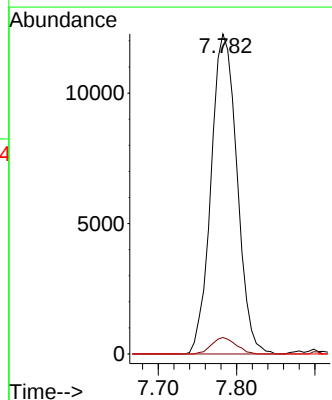
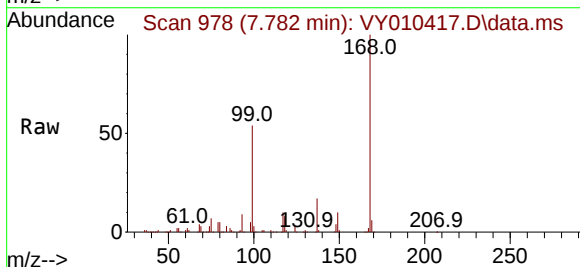
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

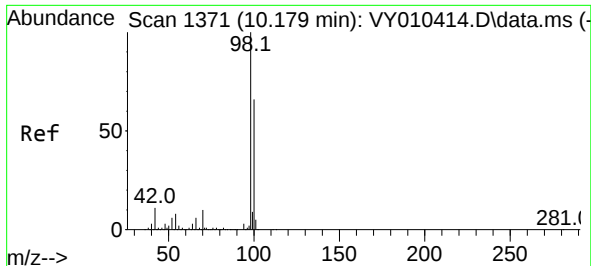
Tgt Ion:113 Resp: 126161
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 20.9 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.159 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.117 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion:117 Resp: 28293
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#

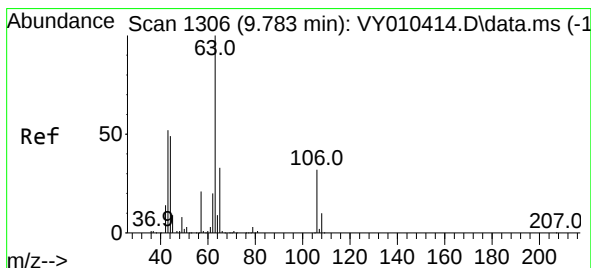
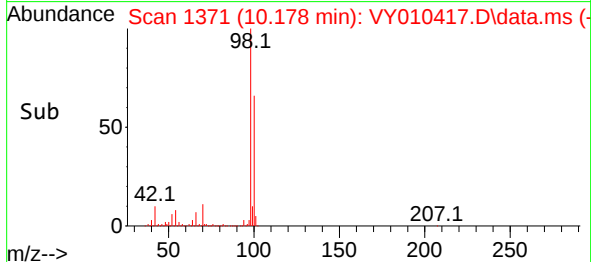
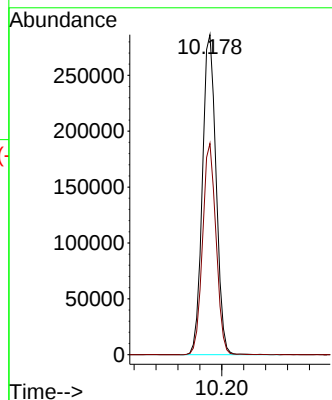
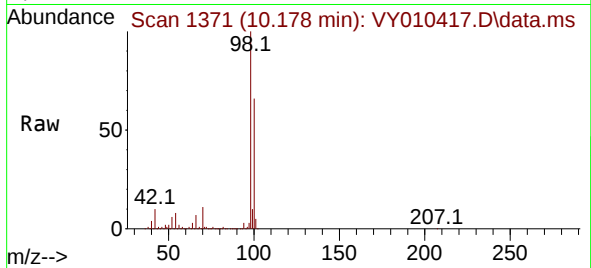




#50
Toluene-d8
Concen: 42.387 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

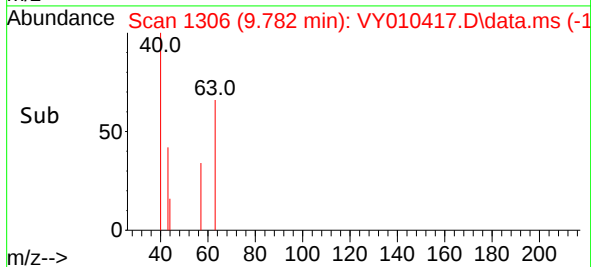
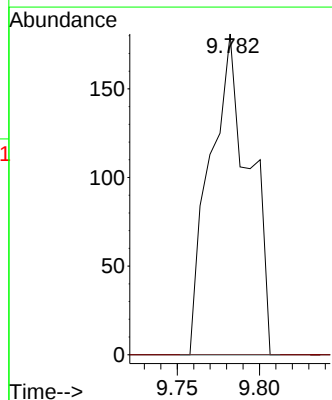
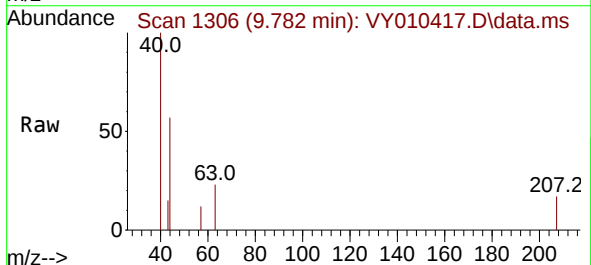
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

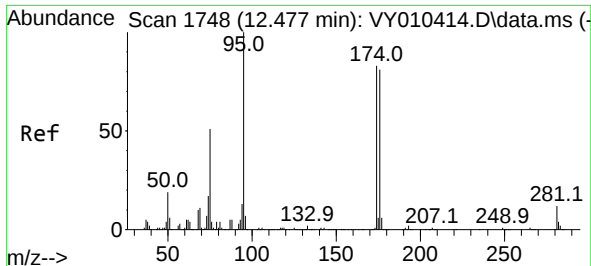
Tgt Ion: 98 Resp: 494694
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.782 min Scan# 1306
Delta R.T. -0.001 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion: 63 Resp: 301
Ion Ratio Lower Upper
63 100
106 0.0 21.5 32.3#

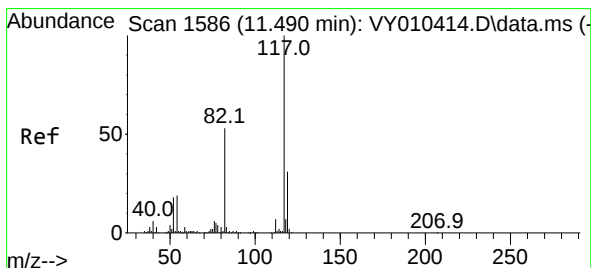
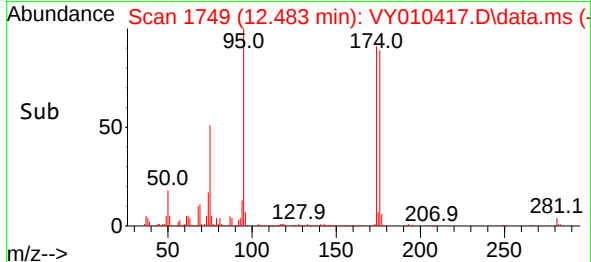
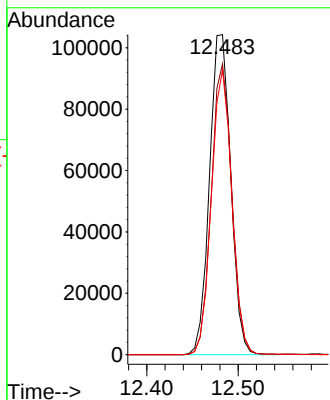
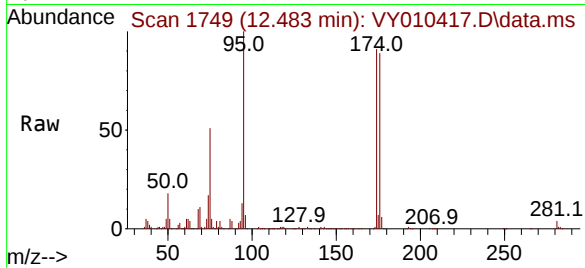




#62
4-Bromofluorobenzene
Concen: 34.501 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

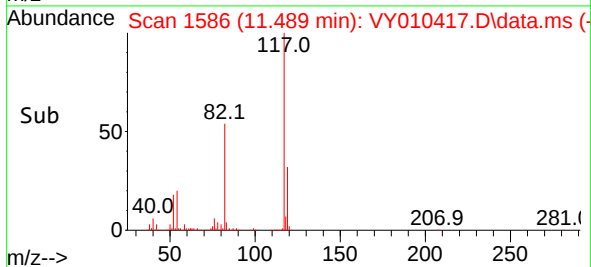
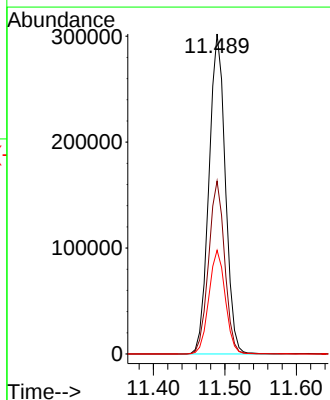
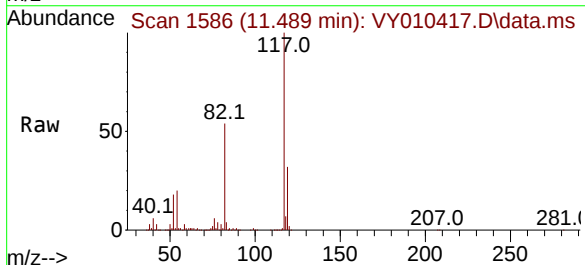
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

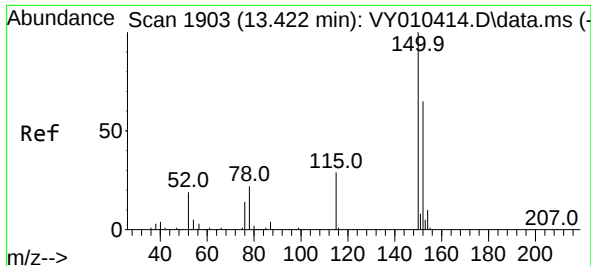
Tgt Ion: 95 Resp: 168431
Ion Ratio Lower Upper
95 100
174 88.0 0.0 177.0
176 85.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion: 117 Resp: 480217
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 32.4 25.4 38.0

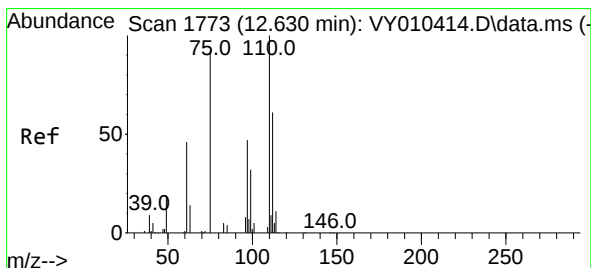
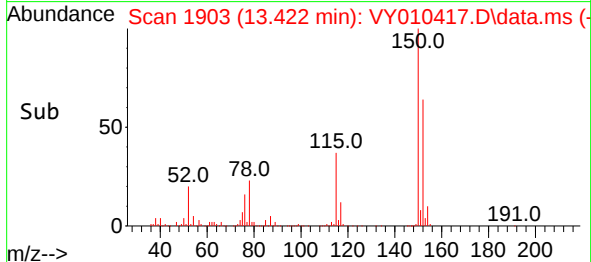
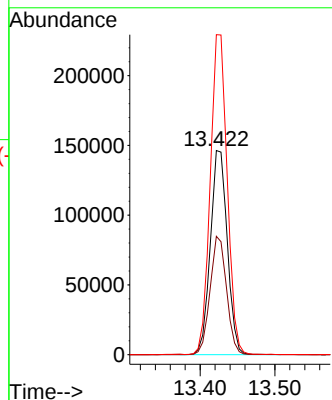
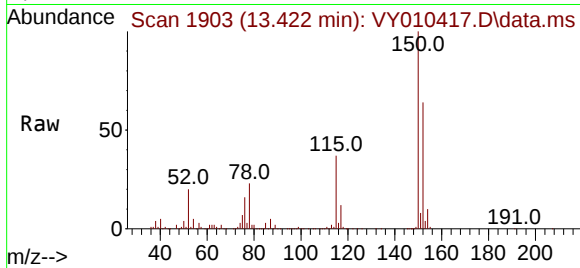




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: VY010417.D
 Acq: 09 Sep 2022 14:27

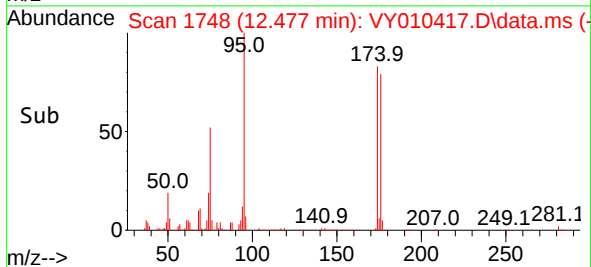
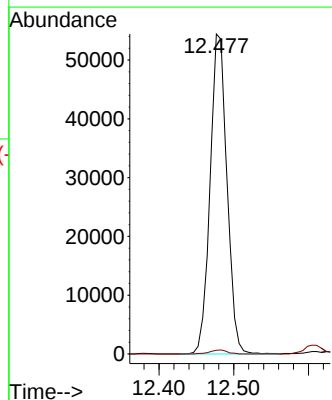
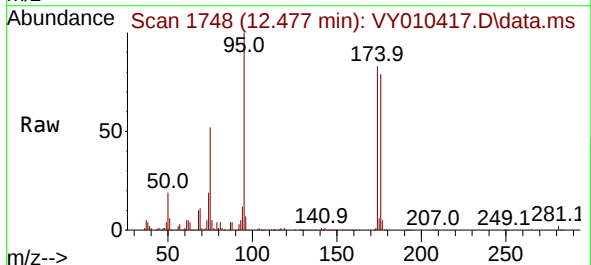
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

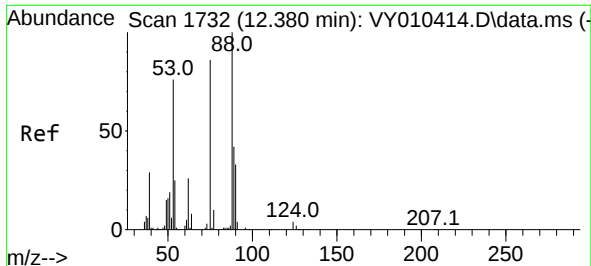
Tgt Ion:152 Resp: 230568
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.2 84.7
 150 156.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 33.835 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.159 min
 Lab File: VY010417.D
 Acq: 09 Sep 2022 14:27

Tgt Ion: 75 Resp: 85276
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

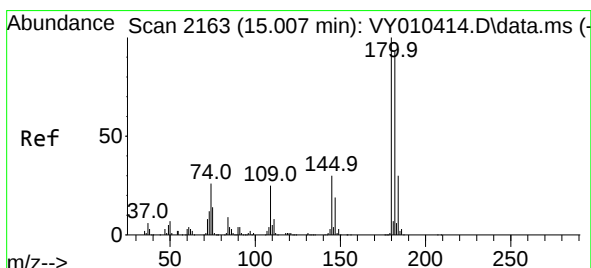
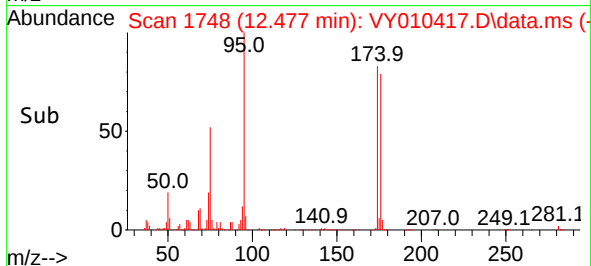
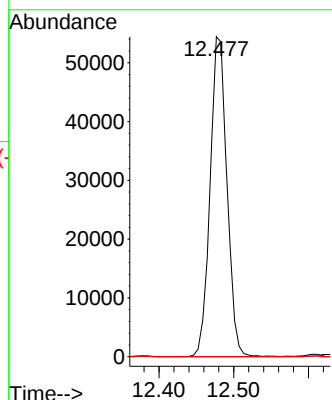
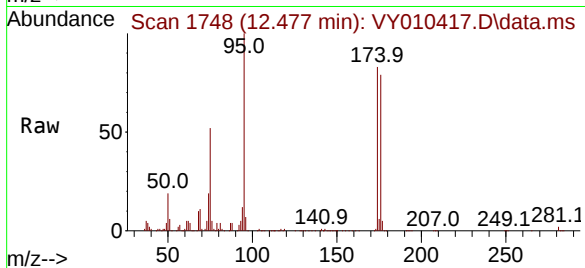




#81
trans-1,4-Dichloro-2-butene
Concen: 74.407 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

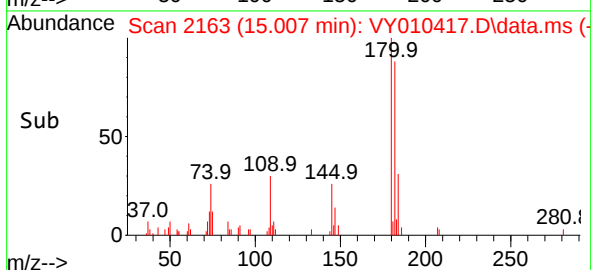
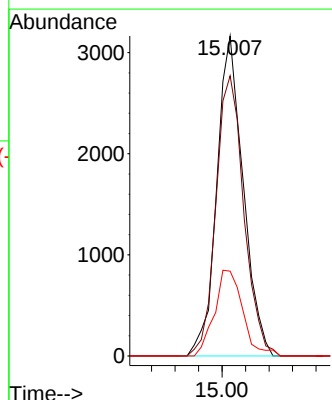
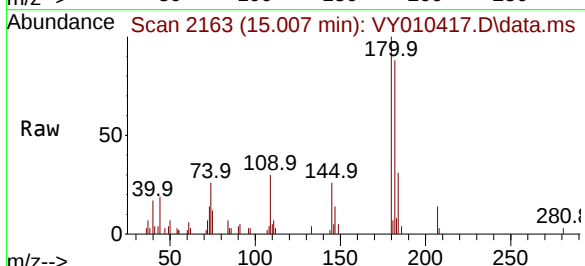
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

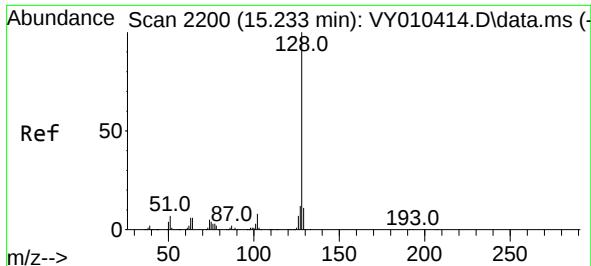
Tgt Ion: 75 Resp: 85276
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.049 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. -0.000 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion: 180 Resp: 4939
Ion Ratio Lower Upper
180 100
182 92.1 47.3 141.9
145 28.6 14.6 43.8

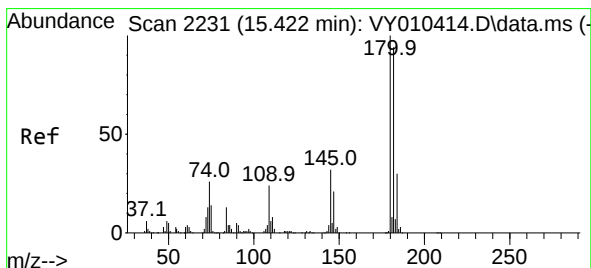
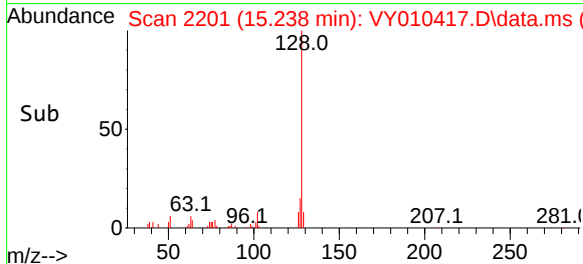
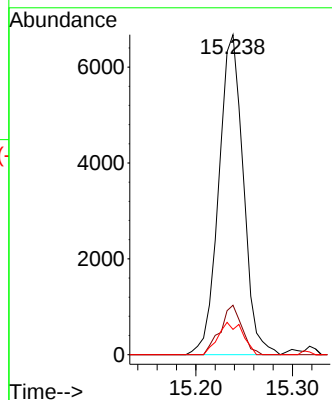
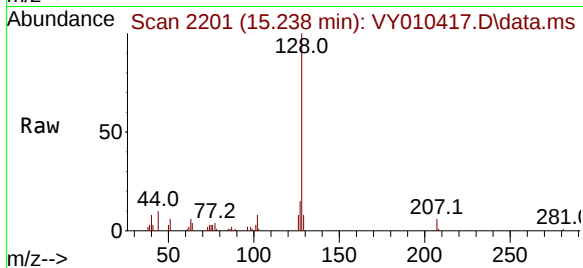




#95
Naphthalene
Concen: 1.264 ug/l
RT: 15.238 min Scan# 211
Delta R.T. -0.001 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 11742
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 10.2 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 1.137 ug/l
RT: 15.427 min Scan# 2232
Delta R.T. 0.005 min
Lab File: VY010417.D
Acq: 09 Sep 2022 14:27

Tgt Ion:180 Resp: 4674
Ion Ratio Lower Upper
180 100
182 93.7 47.3 141.9
145 32.5 15.3 45.9

