

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
 Data File : VY011168.D
 Acq On : 28 Oct 2022 19:34
 Operator : KP/MD
 Sample : N5330-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-5-102722

Quant Time: Oct 28 23:47:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 23:42:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	230510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	403679	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	146743	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	148592	62.342	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.680%
35) Dibromofluoromethane	7.715	113	150839	60.762	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	121.520%
50) Toluene-d8	10.178	98	559418	56.882	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.760%
62) 4-Bromofluorobenzene	12.477	95	161329	50.133	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.260%

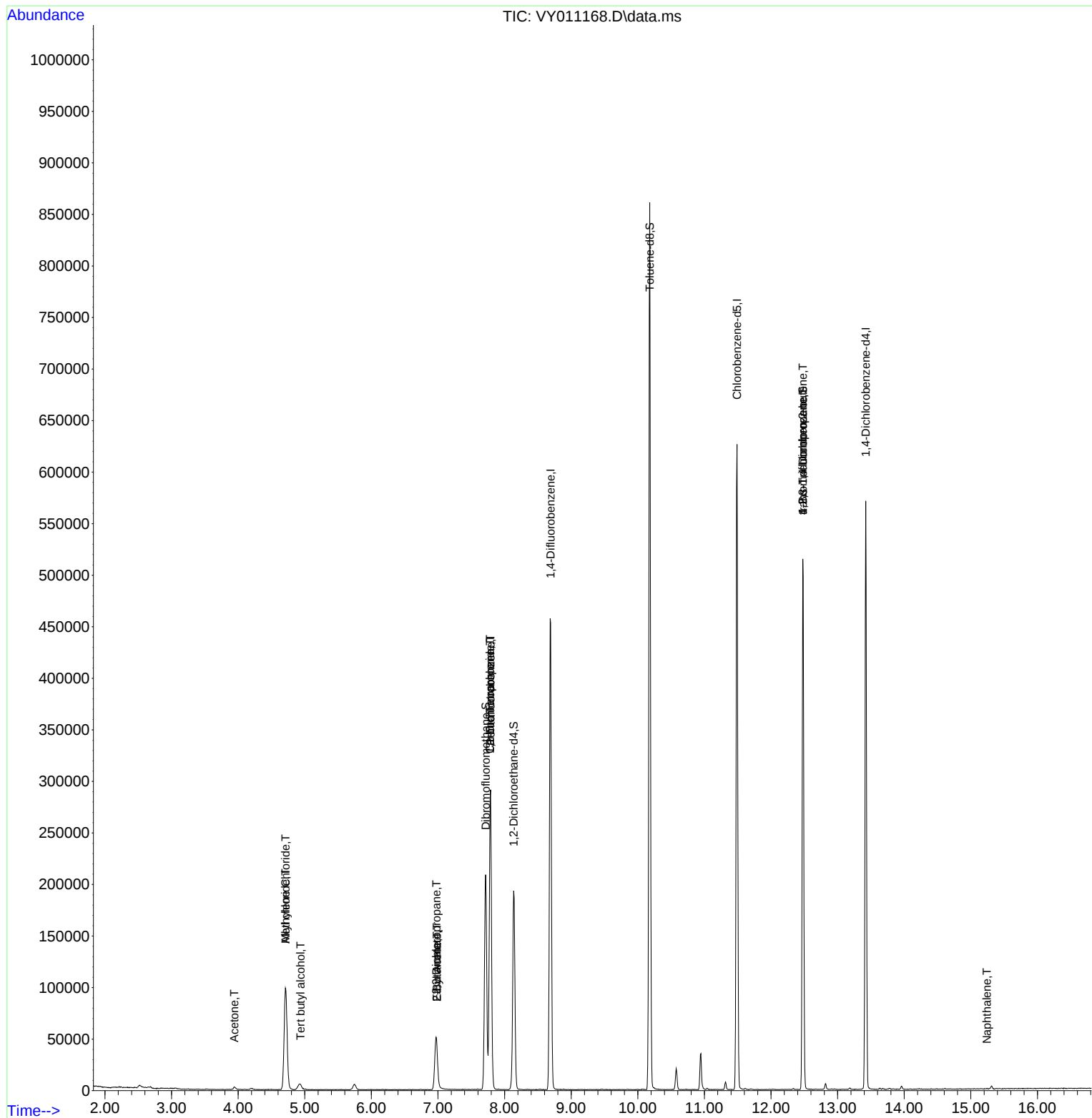
Target Compounds					Qvalue
3) Chloromethane	2.107	50	308	Below Cal	# 44
5) Bromomethane	2.649	94	259	Below Cal	# 49
11) Tert butyl alcohol	4.935	59	6381	23.798	ug/l # 78
14) Allyl chloride	4.710	41	3214	1.118	ug/l # 22
16) Acetone	3.942	43	4229	7.252	ug/l # 86
17) Carbon Disulfide	4.179	76	135	Below Cal	# 75
18) Methyl Acetate	4.484	43	286	Below Cal	# 56
20) Methylene Chloride	4.710	84	80120	30.675	ug/l # 84
25) 2-Butanone	6.984	43	2982	3.567	ug/l # 90
26) 2,2-Dichloropropane	6.978	77	3917	1.073	ug/l # 55
31) Cyclohexane	7.782	56	4458	Below Cal	# 1
36) 1,1-Dichloropropene	7.782	75	18083	5.587	ug/l # 50
37) Ethyl Acetate	6.984	43	2982	1.629	ug/l # 1
38) Carbon Tetrachloride	7.782	117	22863	6.486	ug/l # 15
76) 1,2,3-Trichloropropane	12.477	75	79889	52.364	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.477	75	79889	111.204	ug/l # 7
95) Naphthalene	15.238	128	313	4.409	ug/l # 69

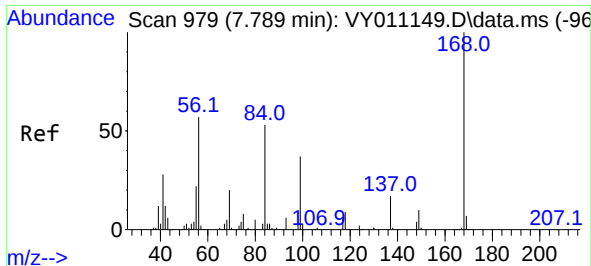
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102822\
Data File : VY011168.D
Acq On : 28 Oct 2022 19:34
Operator : KP/MD
Sample : N5330-01
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

Quant Time: Oct 28 23:47:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102822S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 28 23:42:14 2022
Response via : Initial Calibration

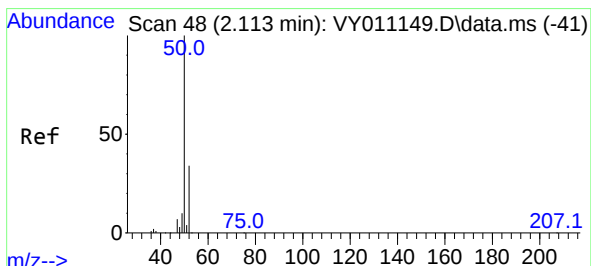
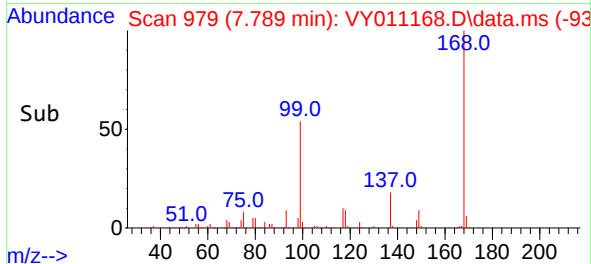
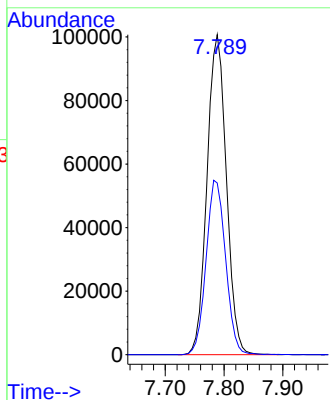
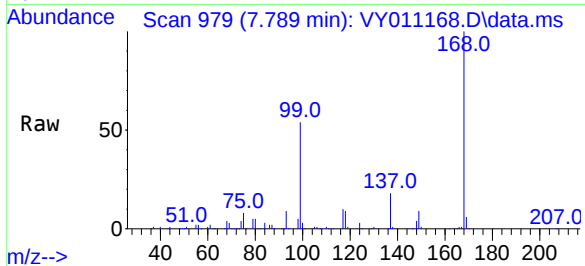




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

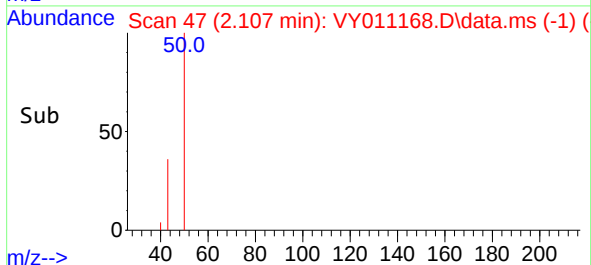
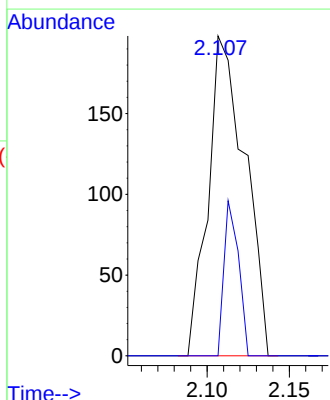
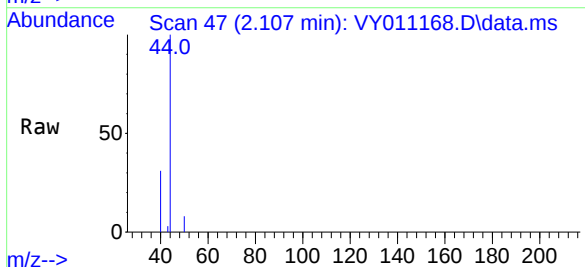
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

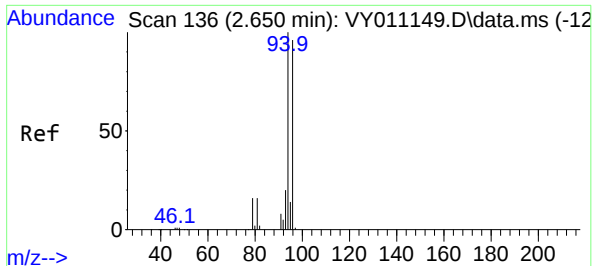
Tgt Ion:168 Resp: 230510
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 50 Resp: 308
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

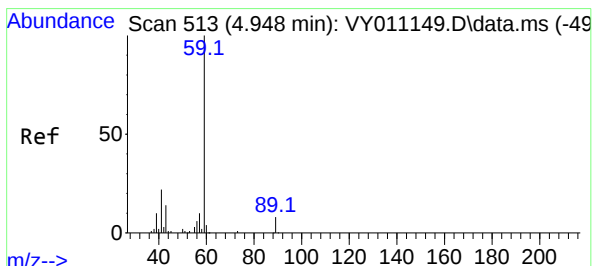
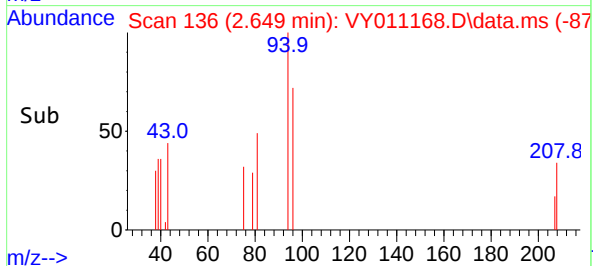
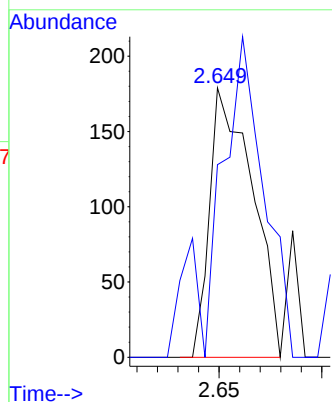
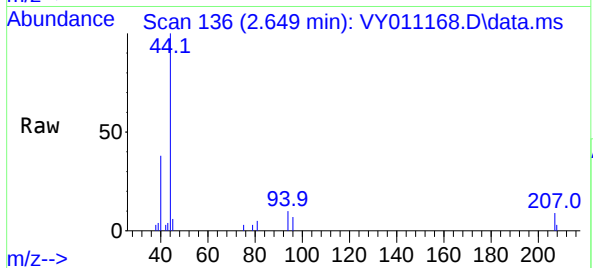




#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

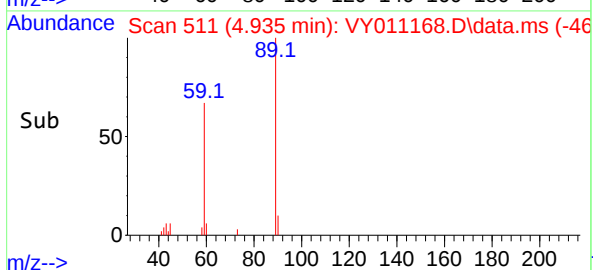
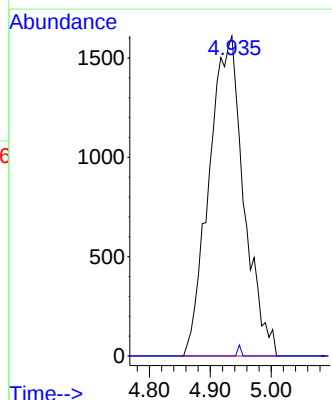
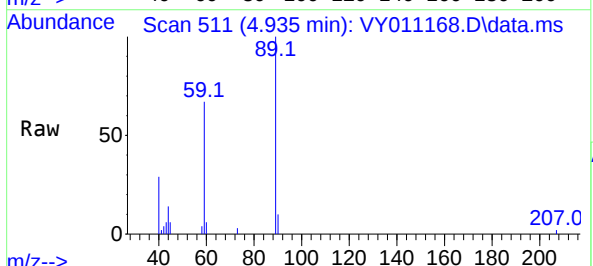
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

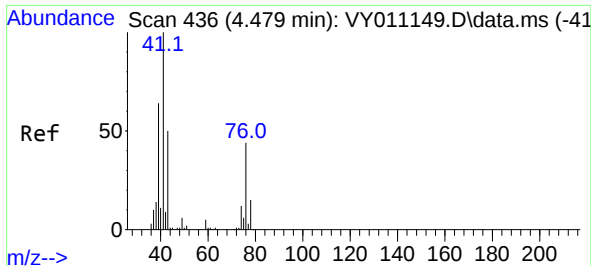
Tgt Ion: 94 Resp: 259
Ion Ratio Lower Upper
94 100
96 43.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 23.798 ug/l
RT: 4.935 min Scan# 511
Delta R.T. -0.013 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 59 Resp: 6381
Ion Ratio Lower Upper
59 100
57 0.3 6.4 9.6#

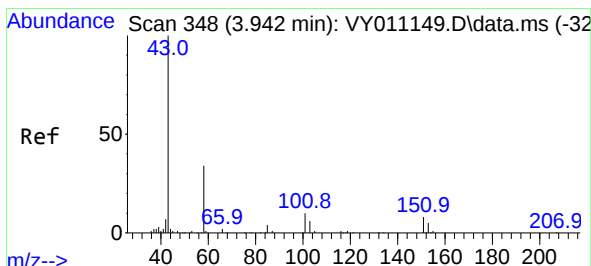
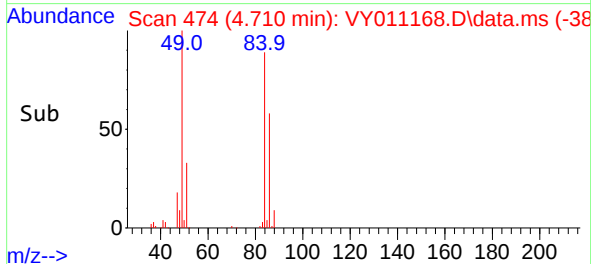
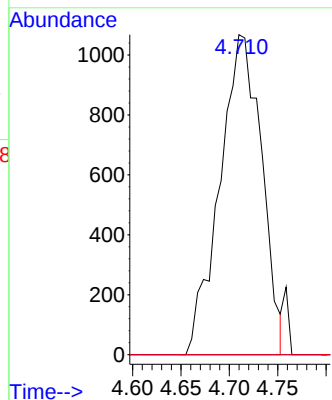
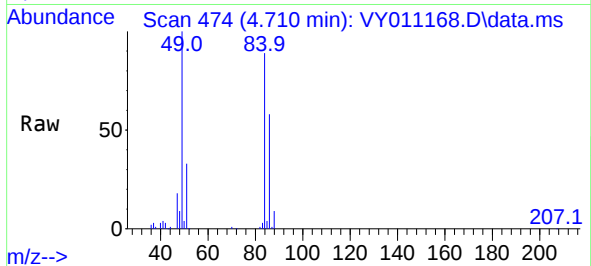




#14
Allyl chloride
Concen: 1.118 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.231 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

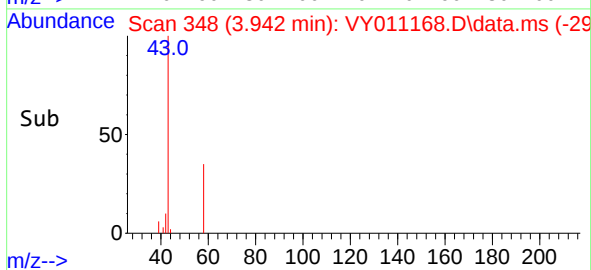
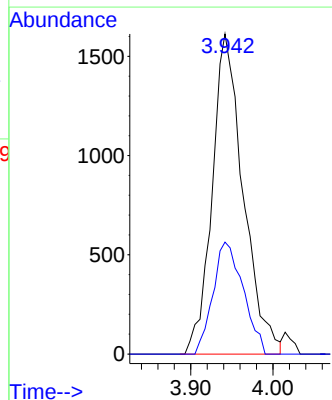
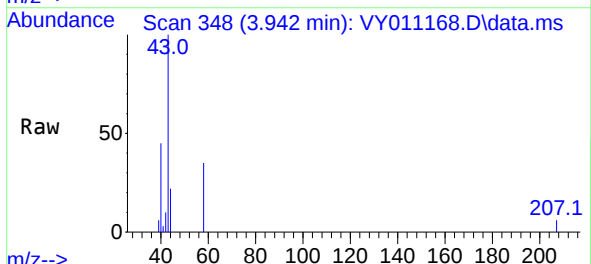
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

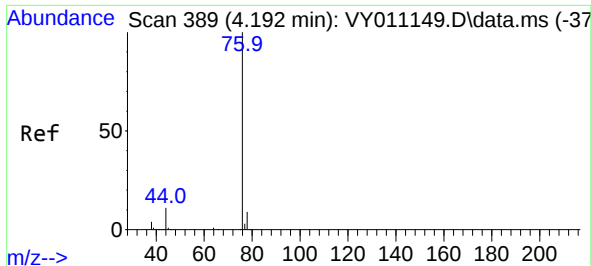
Tgt Ion: 41 Resp: 3214
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 0.0 25.1 37.7#



#16
Acetone
Concen: 7.252 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 43 Resp: 4229
Ion Ratio Lower Upper
43 100
58 35.0 22.0 33.0#

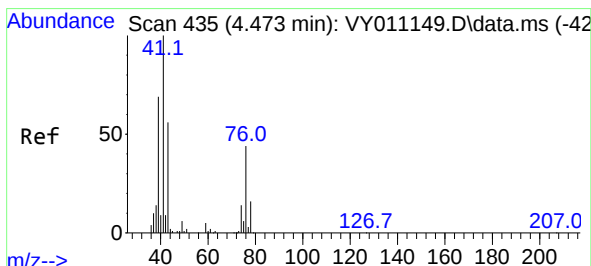
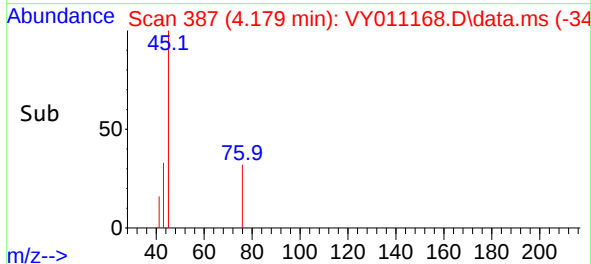
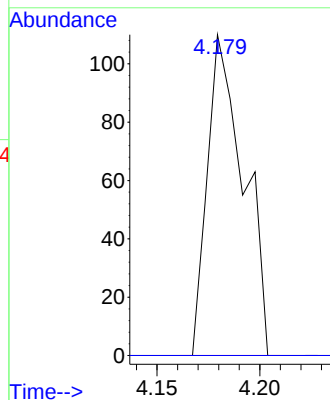
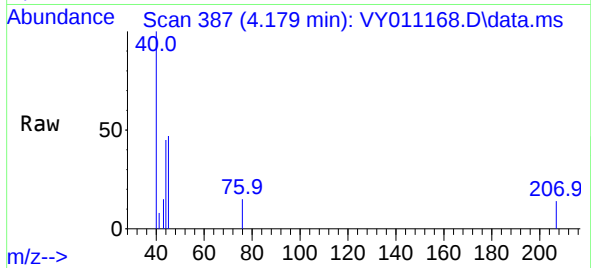




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.179 min Scan# 31
Delta R.T. -0.013 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

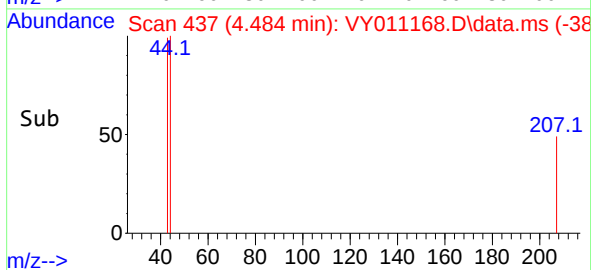
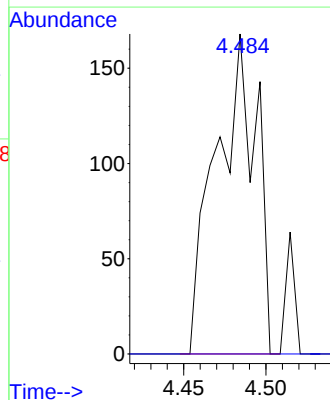
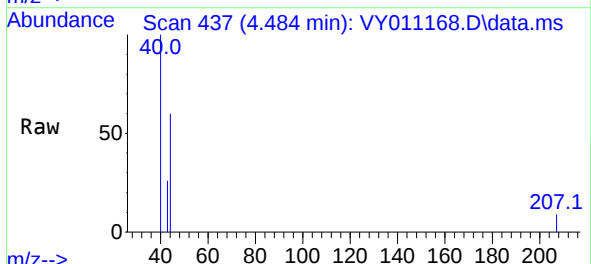
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

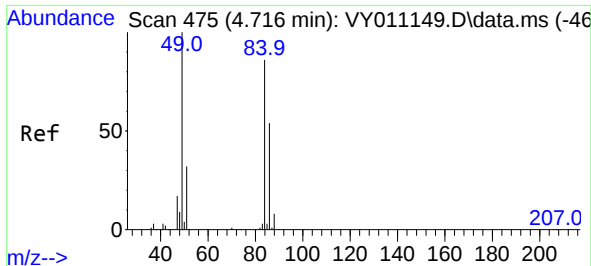
Tgt Ion: 76 Resp: 135
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.484 min Scan# 437
Delta R.T. 0.011 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

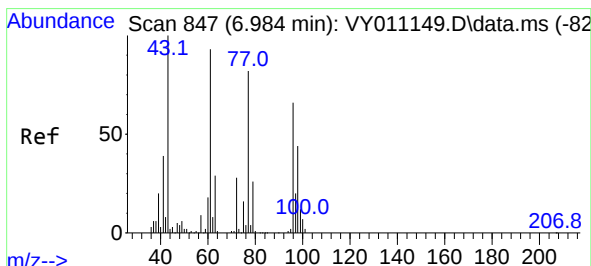
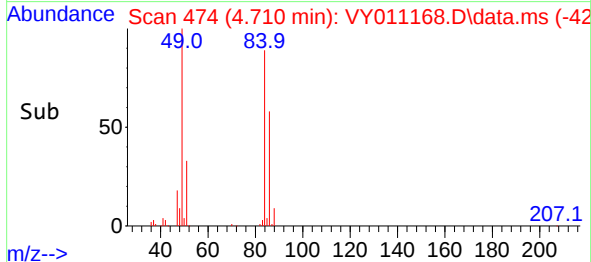
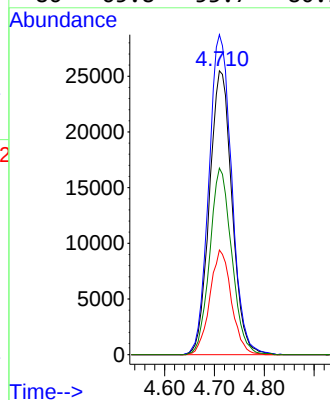
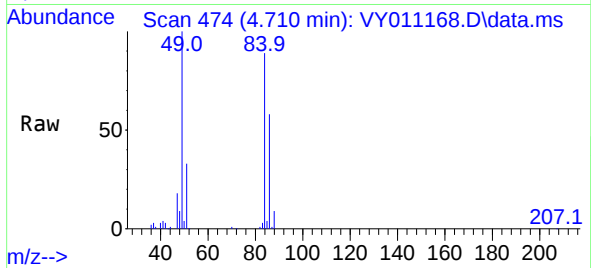




#20
Methylene Chloride
Concen: 30.675 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

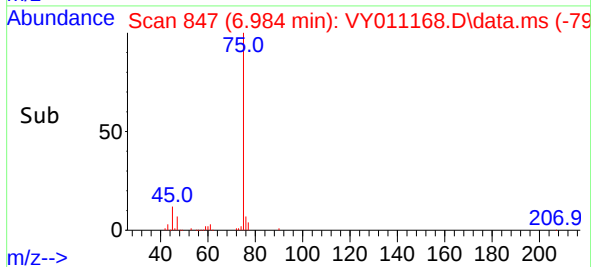
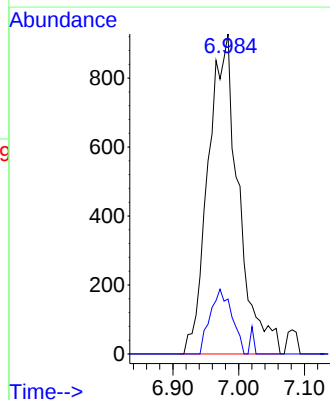
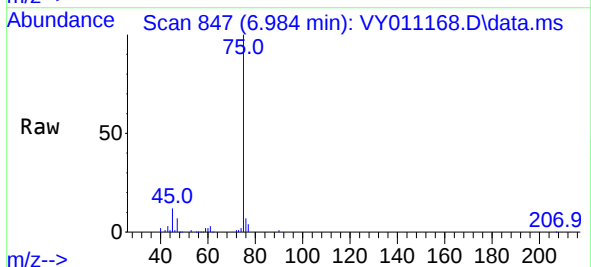
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

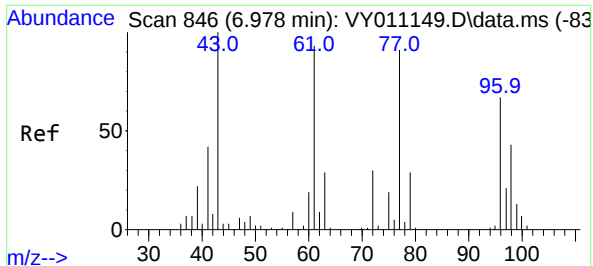
Tgt Ion: 84 Resp: 80120
Ion Ratio Lower Upper
84 100
49 112.7 114.4 171.6#
51 36.9 35.3 52.9
86 65.8 53.7 80.5



#25
2-Butanone
Concen: 3.567 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 43 Resp: 2982
Ion Ratio Lower Upper
43 100
72 17.1 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.073 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY011168.D

Acq: 28 Oct 2022 19:34

Instrument :

MSVOA_Y

ClientSampleId :

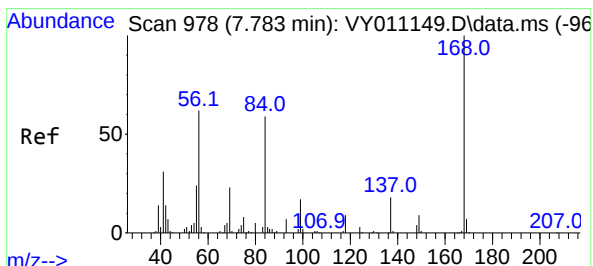
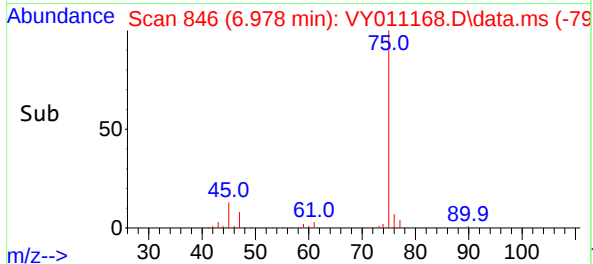
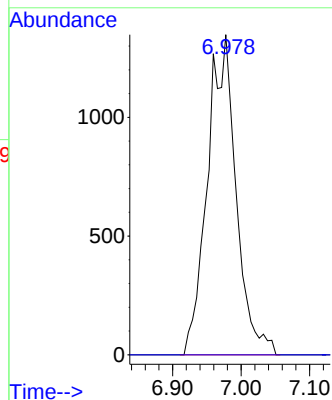
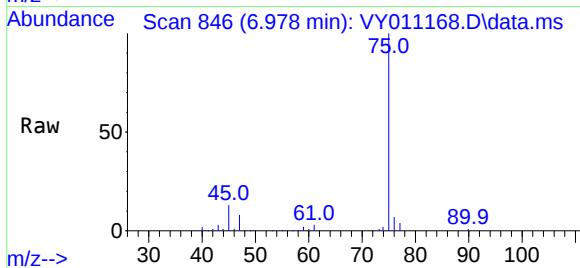
TR-5-102722

Tgt Ion: 77 Resp: 3917

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.782 min Scan# 978

Delta R.T. -0.001 min

Lab File: VY011168.D

Acq: 28 Oct 2022 19:34

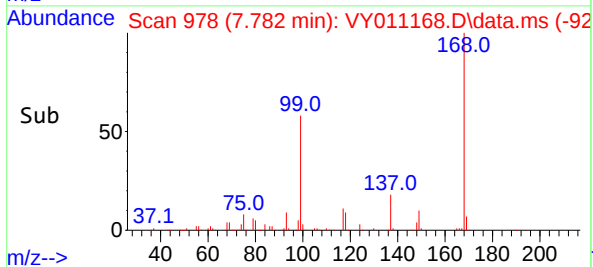
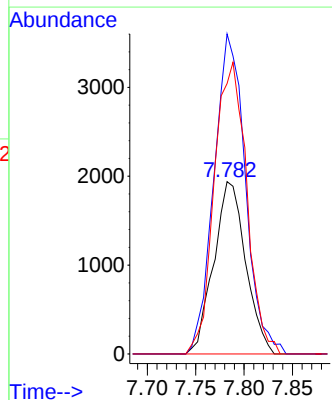
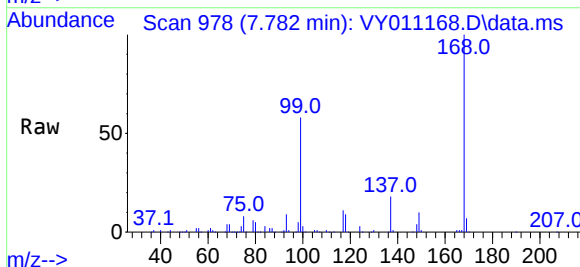
Tgt Ion: 56 Resp: 4458

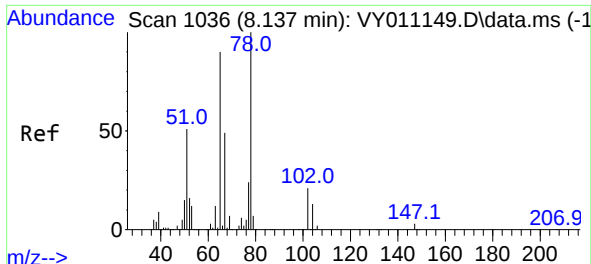
Ion Ratio Lower Upper

56 100

69 185.6 26.7 40.1#

84 156.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.342 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY011168.D

Acq: 28 Oct 2022 19:34

Instrument :

MSVOA_Y

ClientSampleId :

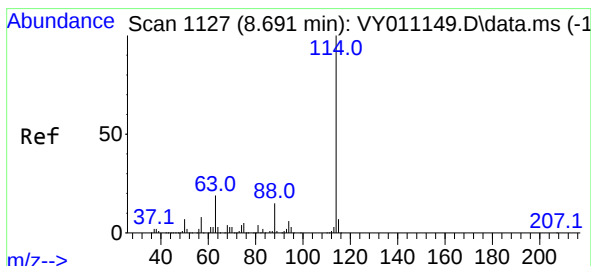
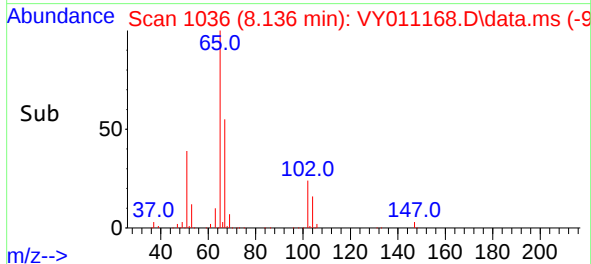
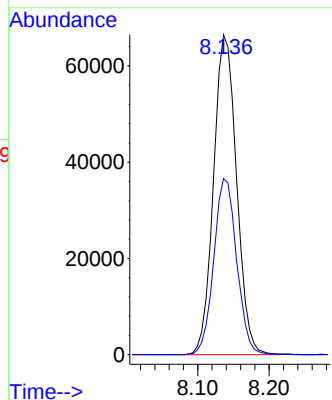
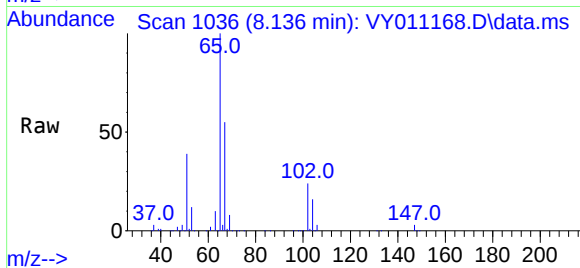
TR-5-102722

Tgt Ion: 65 Resp: 148592

Ion Ratio Lower Upper

65 100

67 54.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY011168.D

Acq: 28 Oct 2022 19:34

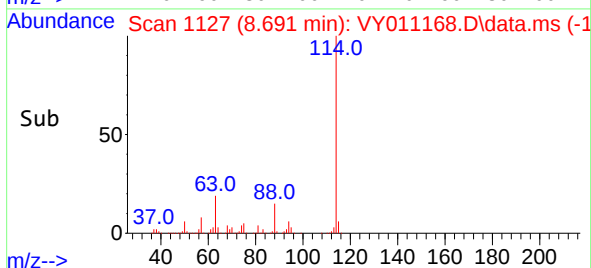
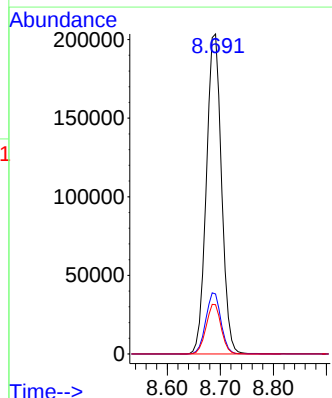
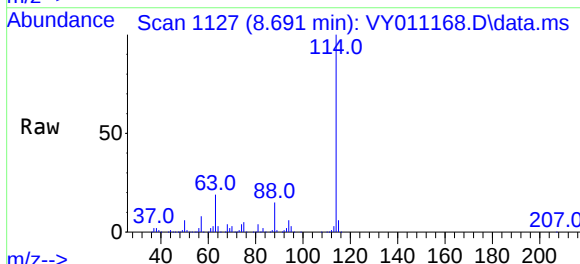
Tgt Ion: 114 Resp: 403679

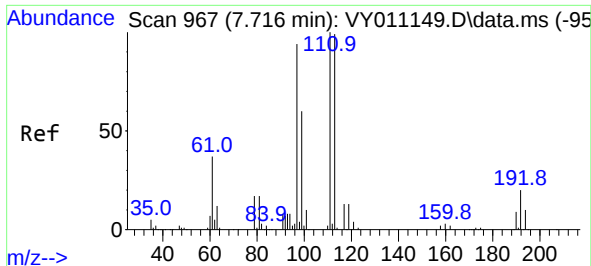
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.4 0.0 31.8

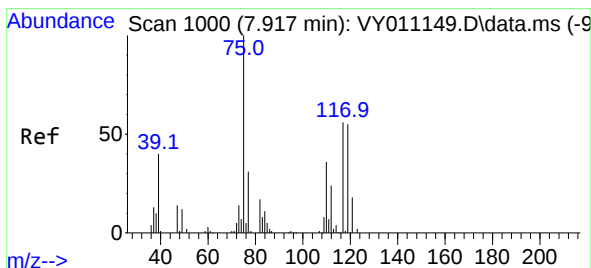
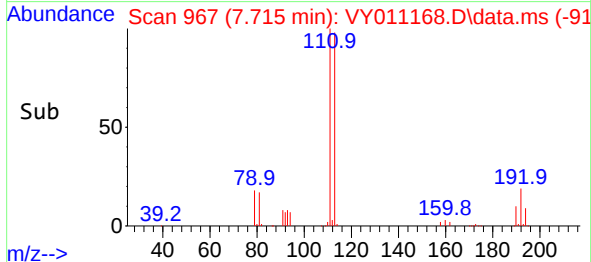
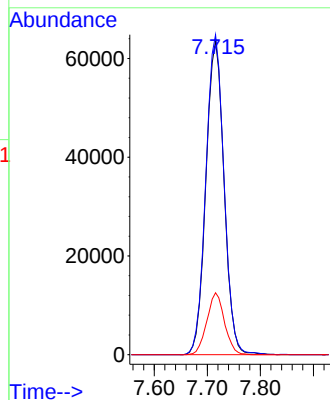
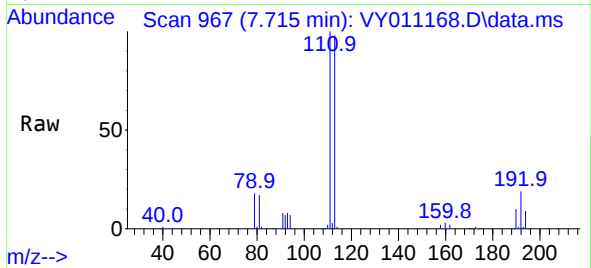




#35
Dibromofluoromethane
Concen: 60.762 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

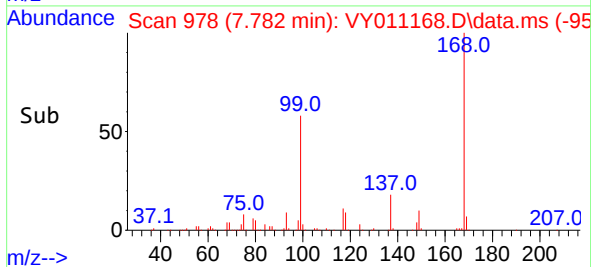
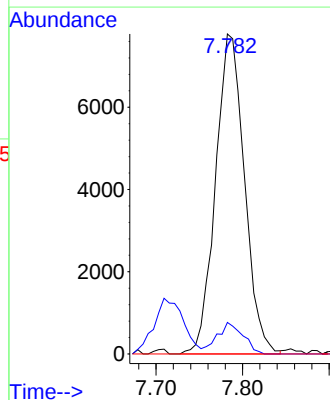
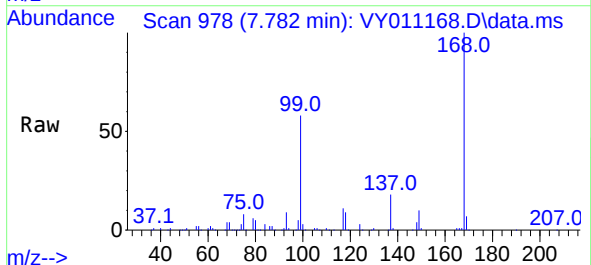
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

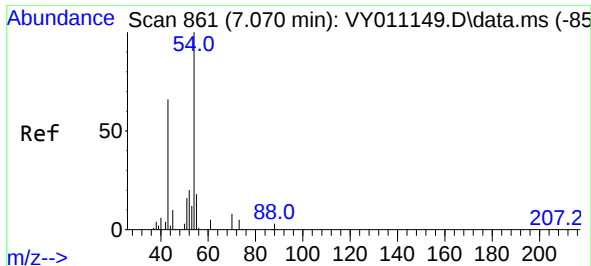
Tgt Ion:113 Resp: 150839
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.587 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 75 Resp: 18083
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

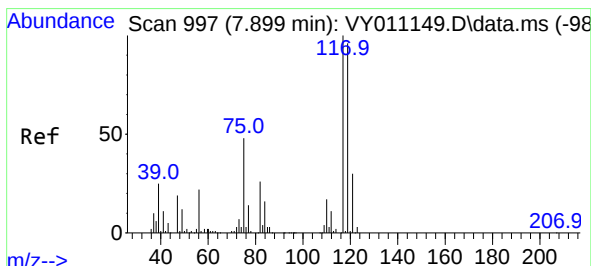
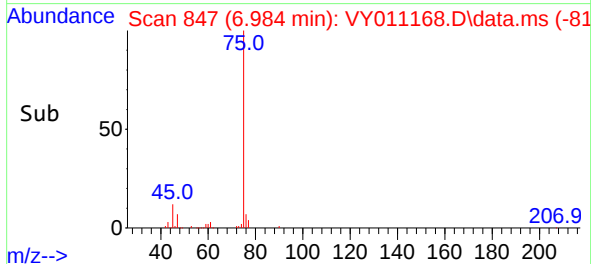
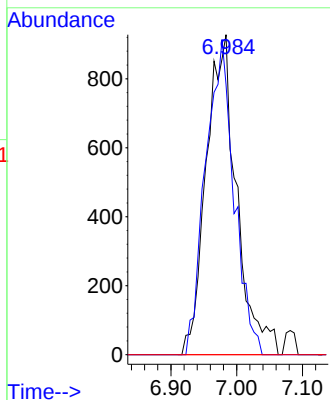
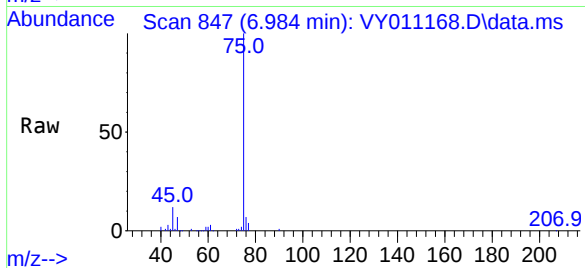




#37
Ethyl Acetate
Concen: 1.629 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.086 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

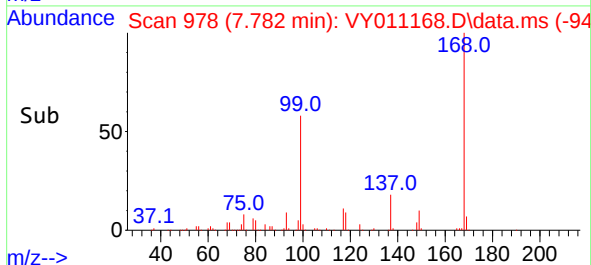
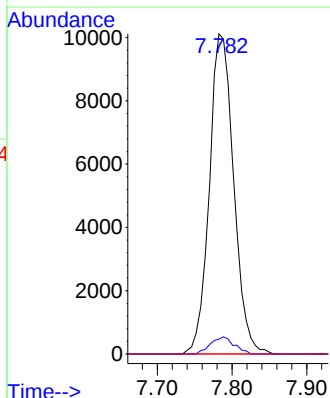
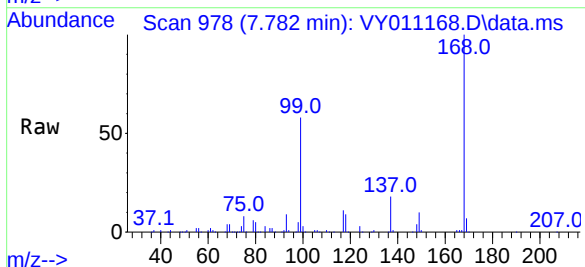
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

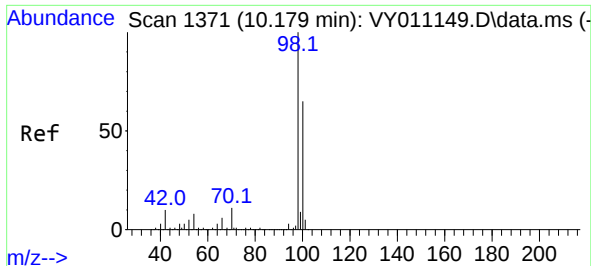
Tgt Ion: 43 Resp: 2982
Ion Ratio Lower Upper
43 100
61 92.3 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.486 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.117 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 117 Resp: 22863
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

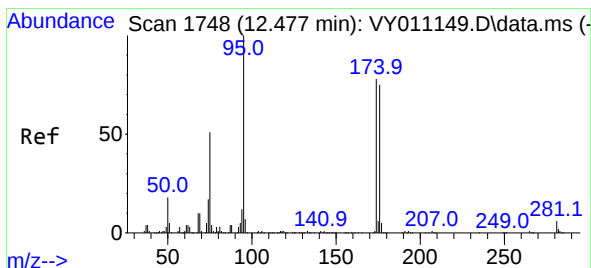
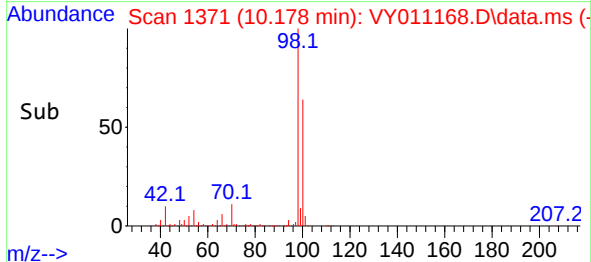
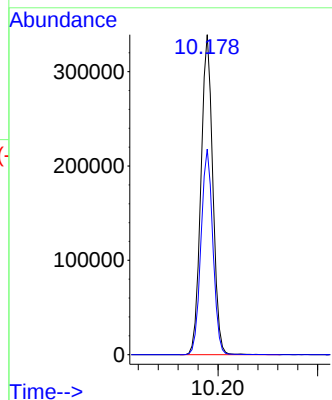
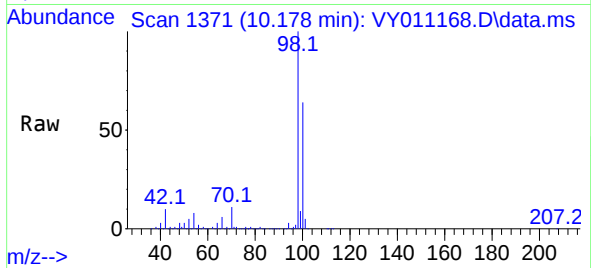




#50
Toluene-d8
Concen: 56.882 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

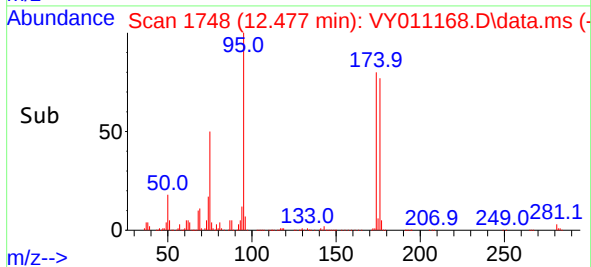
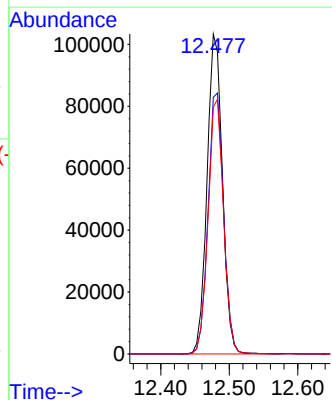
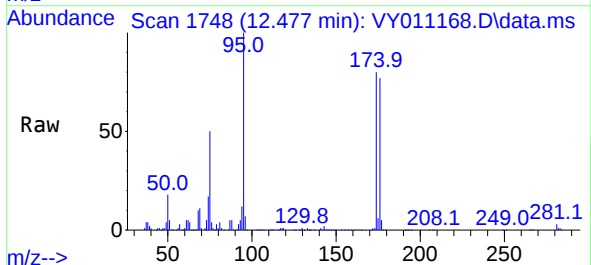
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

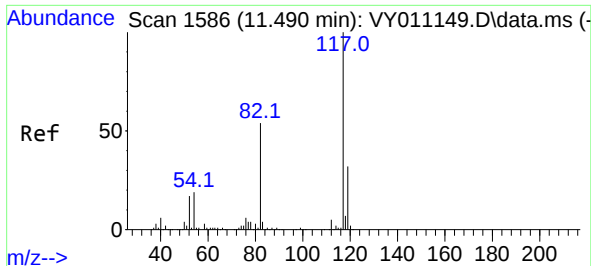
Tgt Ion: 98 Resp: 559418
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 50.133 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 95 Resp: 161329
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 79.8 0.0 175.8

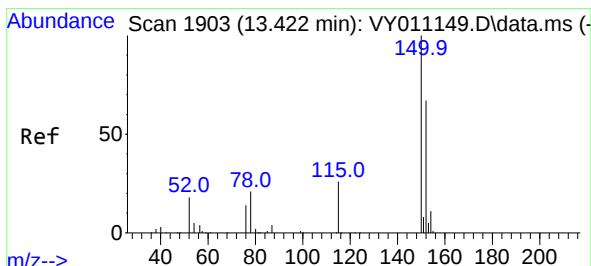
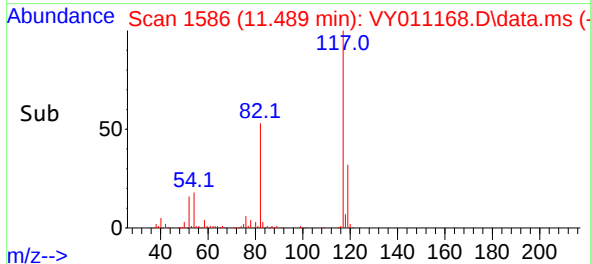
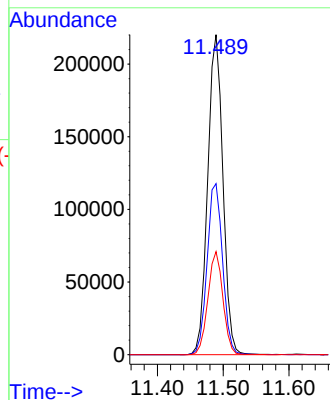
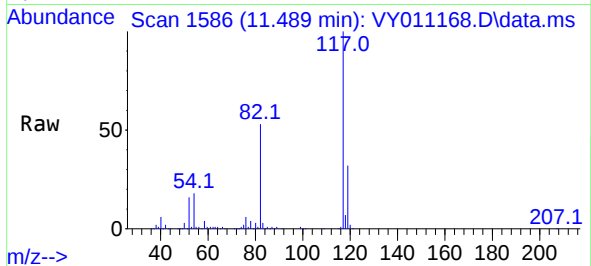




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

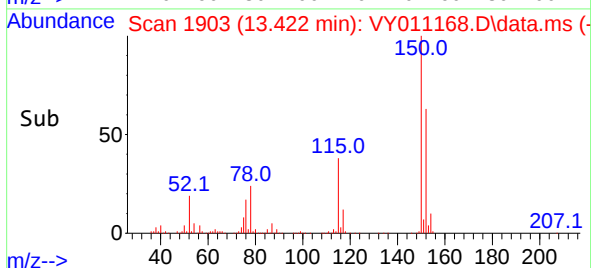
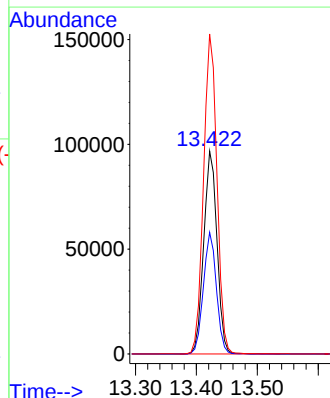
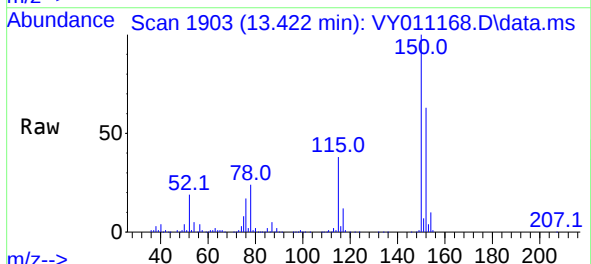
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

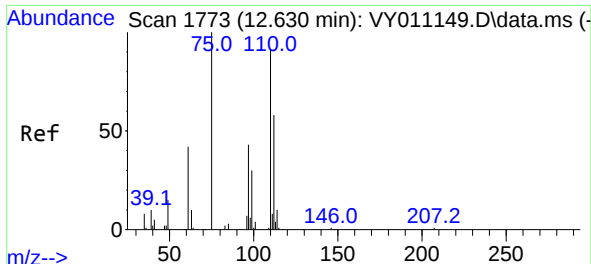
Tgt Ion:117 Resp: 354747
Ion Ratio Lower Upper
117 100
82 53.5 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion:152 Resp: 146743
Ion Ratio Lower Upper
152 100
115 58.7 28.2 84.7
150 159.0 0.0 347.6

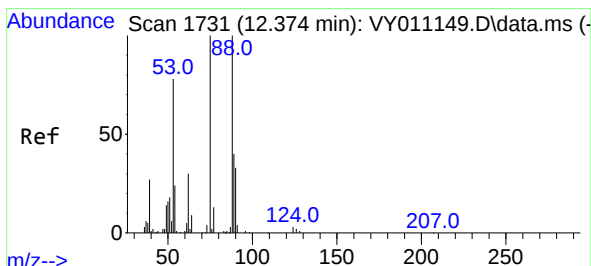
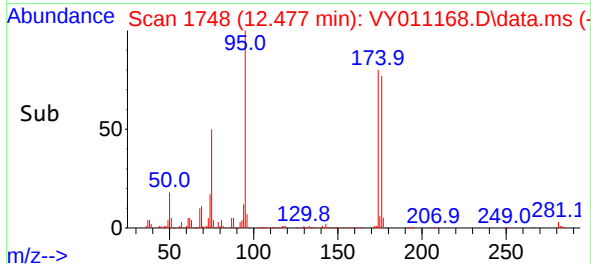
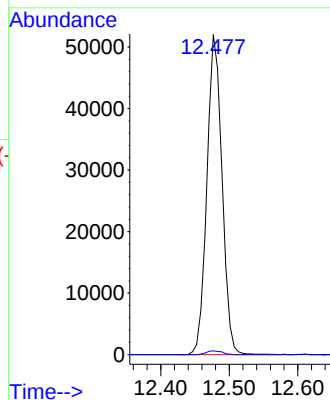
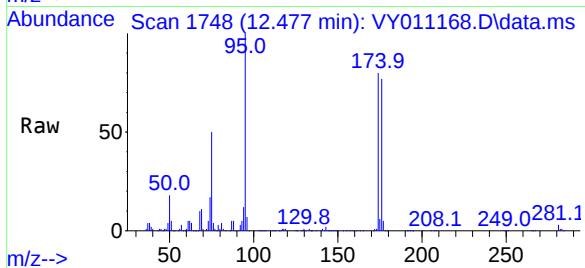




#76
1,2,3-Trichloropropane
Concen: 52.364 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

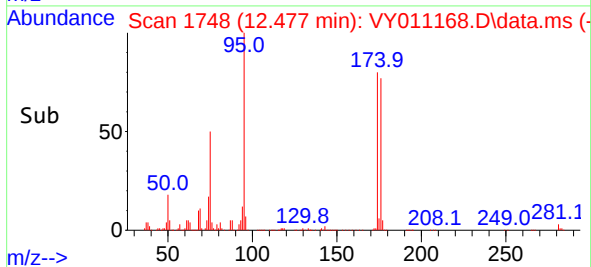
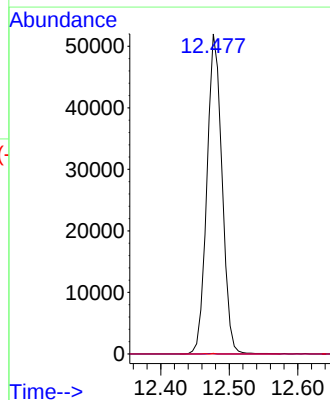
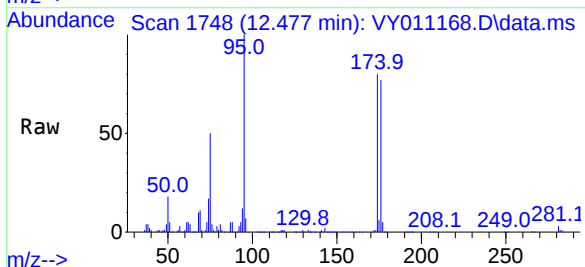
Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

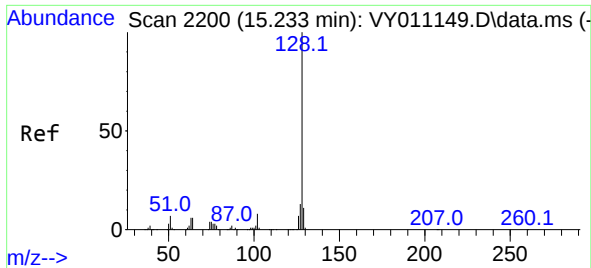
Tgt Ion: 75 Resp: 79889
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.204 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Tgt Ion: 75 Resp: 79889
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.409 ug/l
RT: 15.238 min Scan# 21
Delta R.T. 0.005 min
Lab File: VY011168.D
Acq: 28 Oct 2022 19:34

Instrument :
MSVOA_Y
ClientSampleId :
TR-5-102722

Tgt Ion:128 Resp: 313
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

