

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062522\
 Data File : VY009327.D
 Acq On : 25 Jun 2022 16:31
 Operator : KP/MD
 Sample : N3488-07
 Misc : 4.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 27 10:30:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 07:08:46 2022
 Response via : Initial Calibration

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

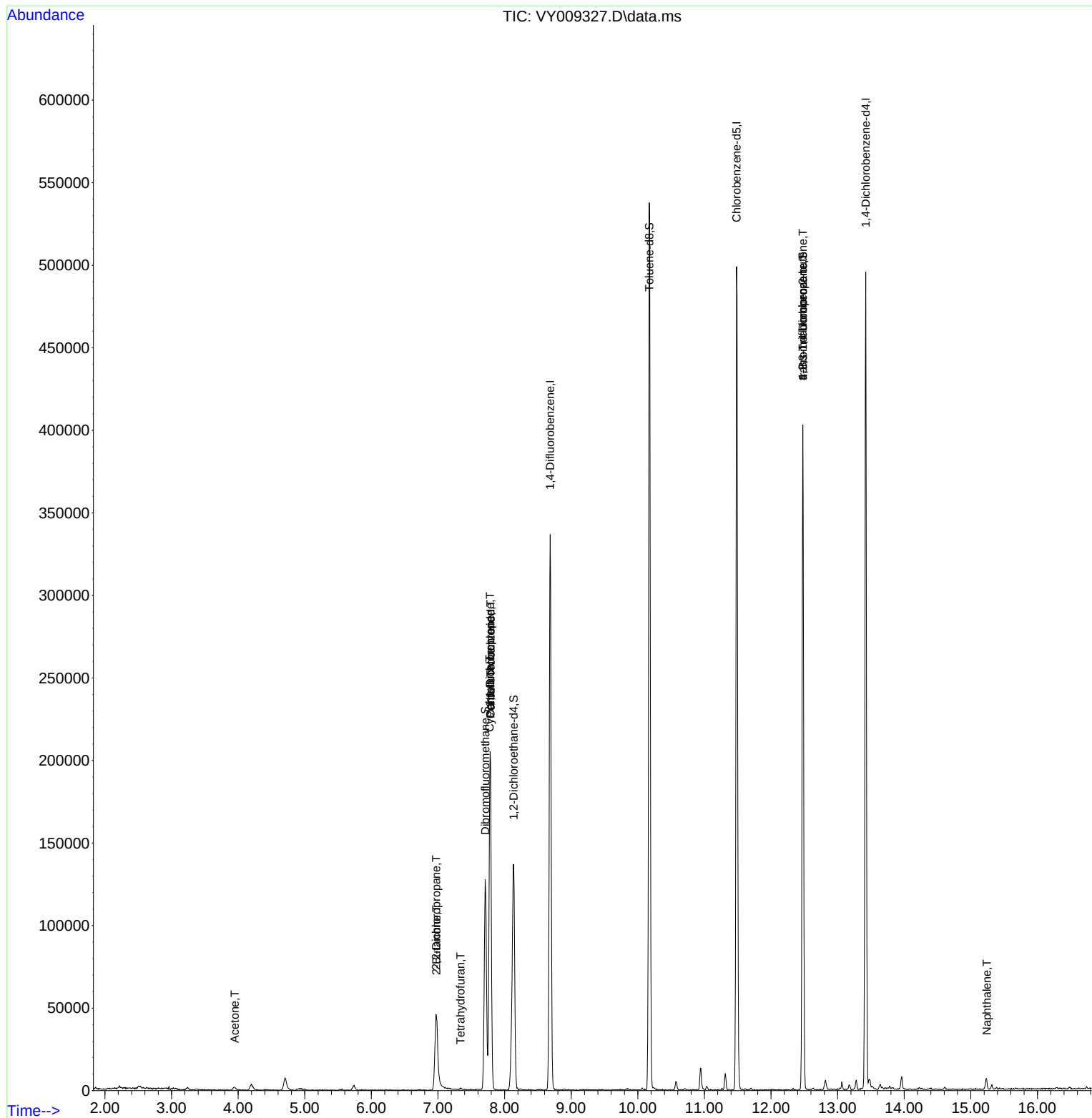
Internal Standards						
1) Pentafluorobenzene	7.789	168	165139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	284670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	268582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	96787	80.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 161.280%			
35) Dibromofluoromethane	7.710	113	87736	57.100	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.200%			
50) Toluene-d8	10.173	98	342177	80.339	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 160.680%#			
62) 4-Bromofluorobenzene	12.477	95	113992	52.090	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.180%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.924	59	1787	Below Cal	#	78
16) Acetone	3.948	43	3174	7.518	ug/l	96
20) Methylene Chloride	4.704	84	5001	Below Cal	#	89
25) 2-Butanone	6.978	43	3091	4.869	ug/l	# 86
26) 2,2-Dichloropropane	6.972	77	3397	1.185	ug/l	# 52
29) Tetrahydrofuran	7.338	42	544	1.335	ug/l	# 80
31) Cyclohexane	7.777	56	3652	1.223	ug/l	# 39
36) 1,1-Dichloropropene	7.783	75	12429	4.820	ug/l	# 44
38) Carbon Tetrachloride	7.789	117	16106	6.074	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	59761	50.741	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	59761	100.443	ug/l	# 13
95) Naphthalene	15.239	128	5157	1.209	ug/l	# 94

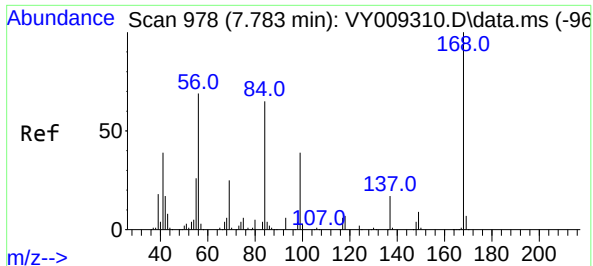
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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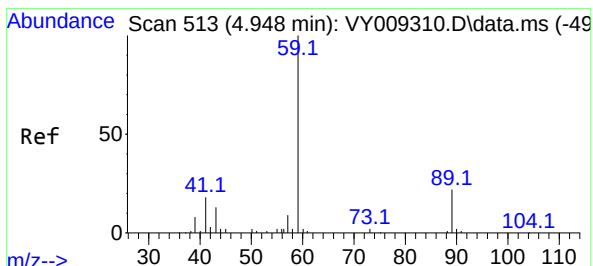
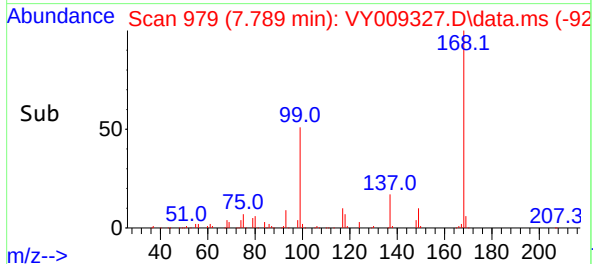
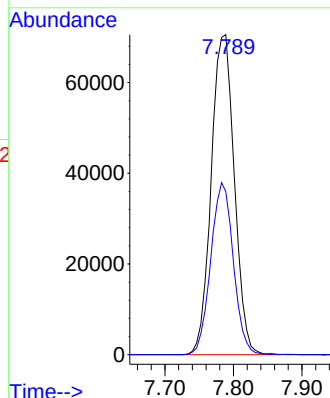
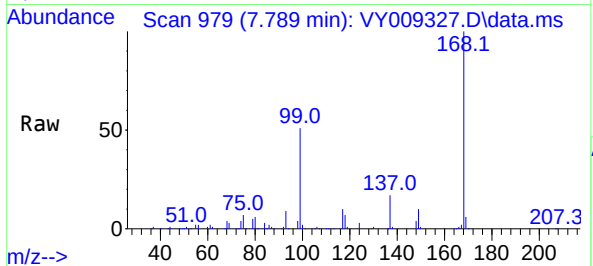




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

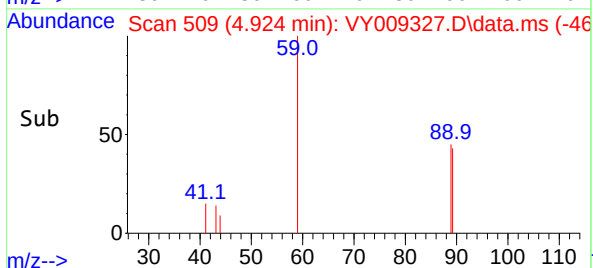
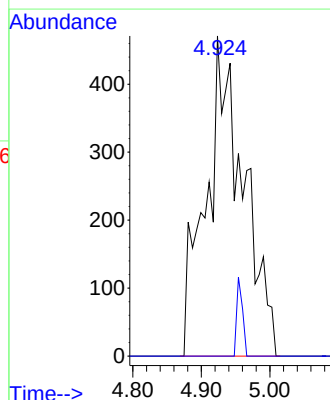
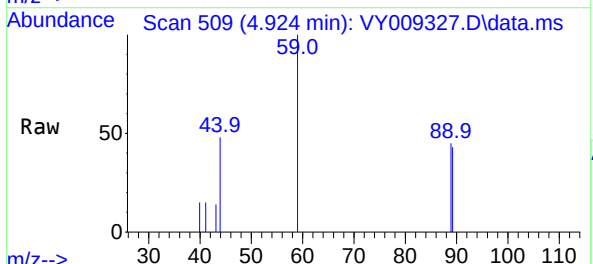
Instrument :
MSVOA_Y
ClientSampleId :

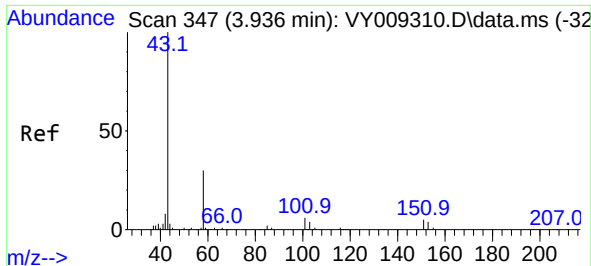
Tgt Ion:168 Resp: 165139
Ion Ratio Lower Upper
168 100
99 50.9 42.1 63.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

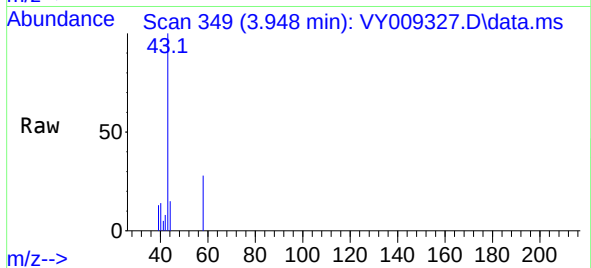
Tgt Ion: 59 Resp: 1787
Ion Ratio Lower Upper
59 100
57 0.0 6.3 9.5#



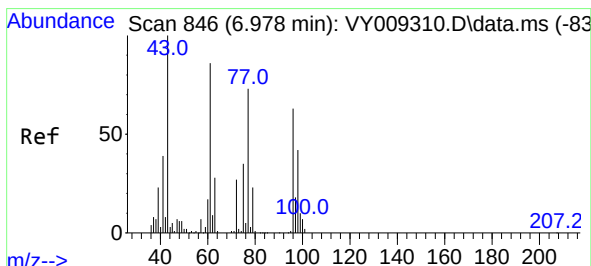
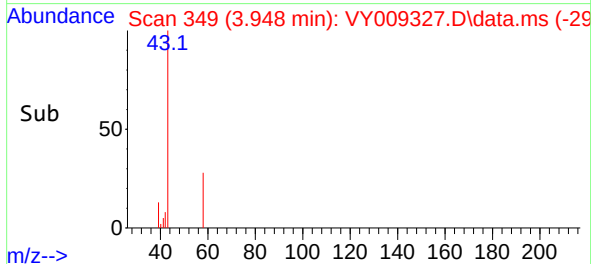
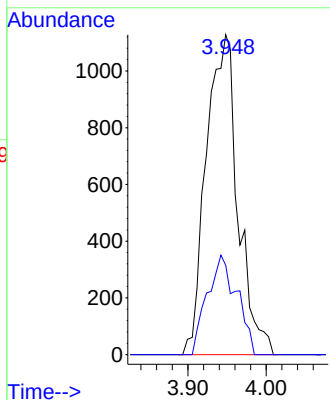


#16
Acetone
Concen: 7.518 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

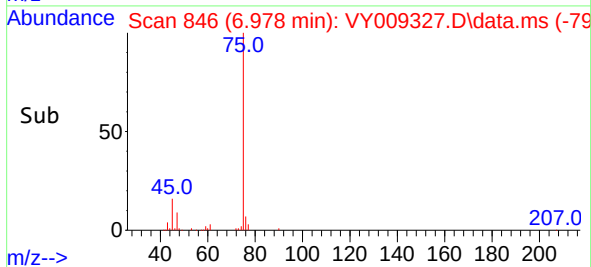
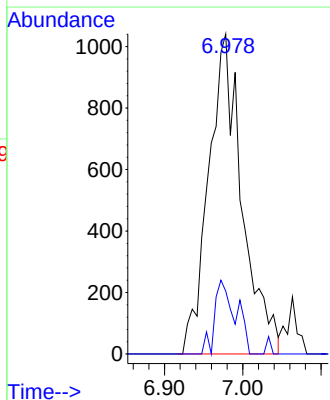
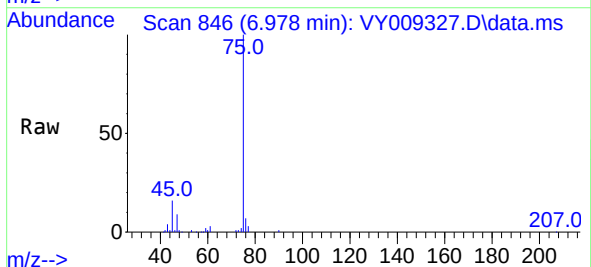


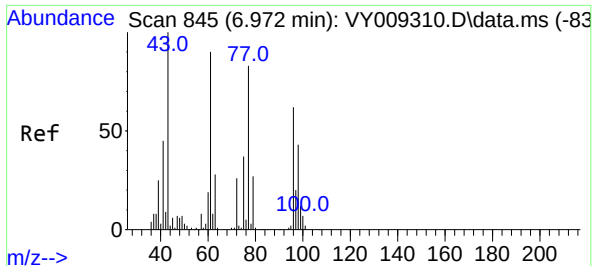
Tgt Ion: 43 Resp: 3174
Ion Ratio Lower Upper
43 100
58 27.9 24.0 36.0



#25
2-Butanone
Concen: 4.869 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

Tgt Ion: 43 Resp: 3091
Ion Ratio Lower Upper
43 100
72 19.7 21.5 32.3#





#26

2,2-Dichloropropane

Concen: 1.185 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY009327.D

Acq: 25 Jun 2022 16:31

Instrument :

MSVOA_Y

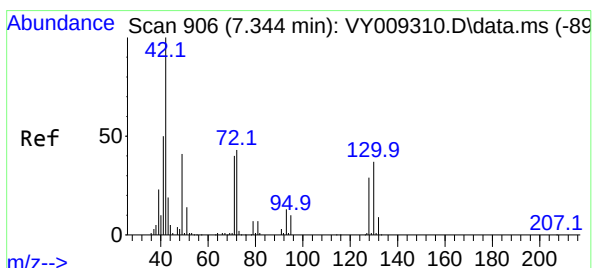
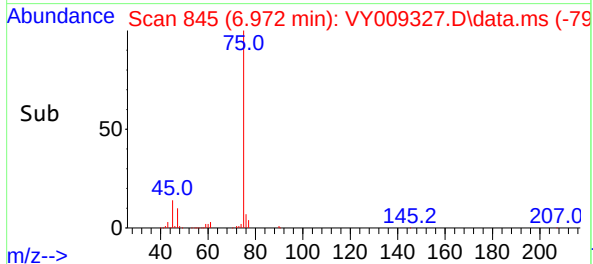
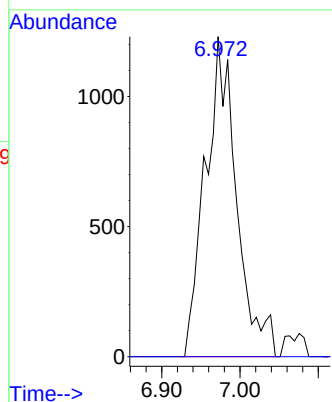
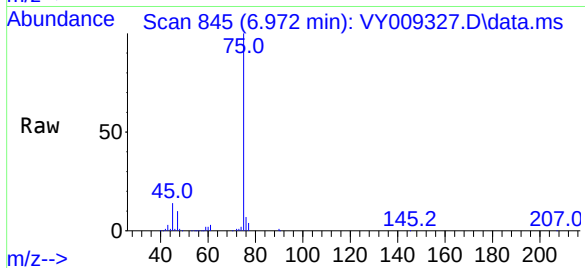
ClientSampleId :

Tgt Ion: 77 Resp: 3397

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#



#29

Tetrahydrofuran

Concen: 1.335 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY009327.D

Acq: 25 Jun 2022 16:31

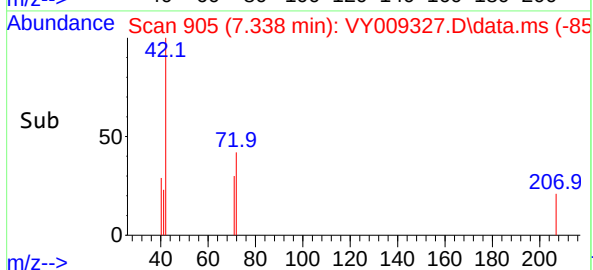
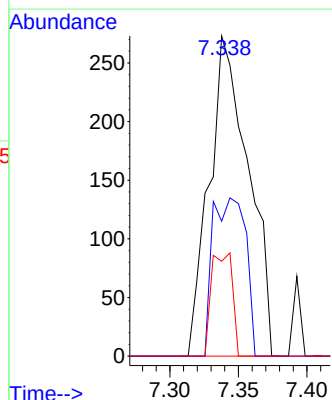
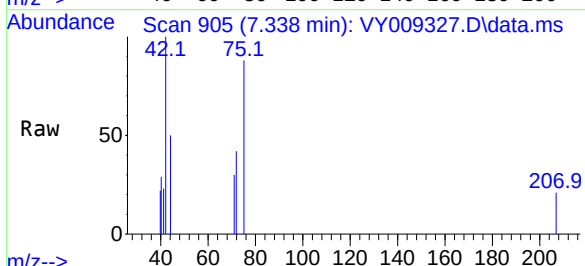
Tgt Ion: 42 Resp: 544

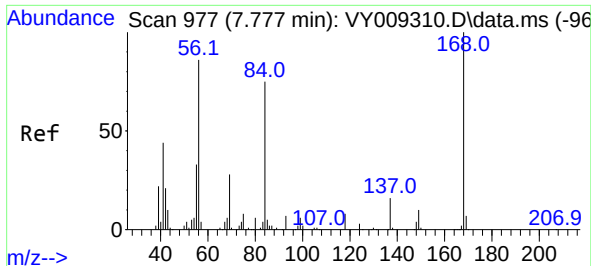
Ion Ratio Lower Upper

42 100

72 41.5 34.6 52.0

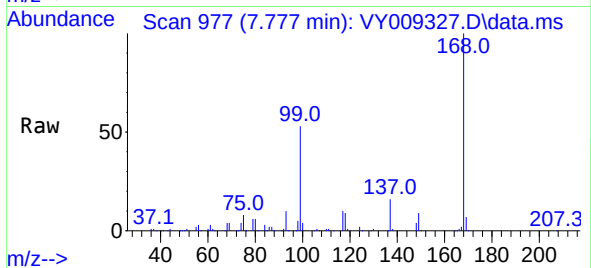
71 17.1 32.7 49.1#



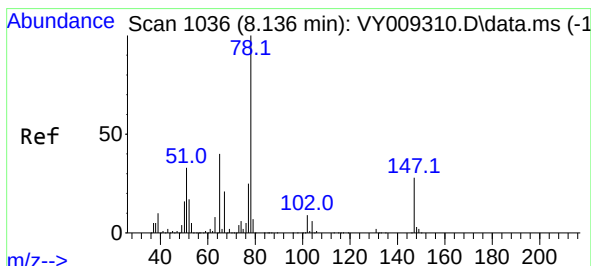
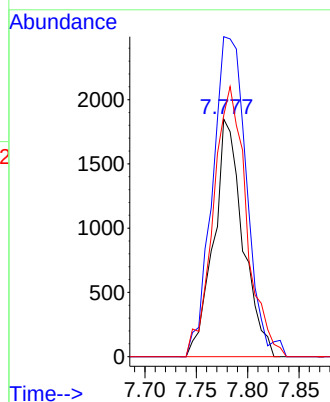
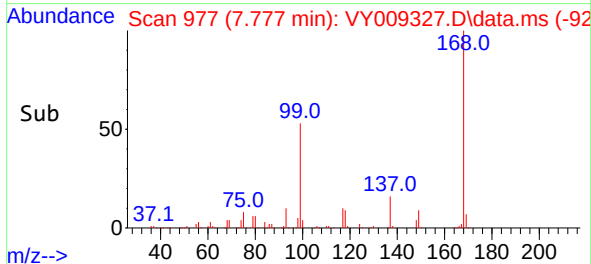


#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

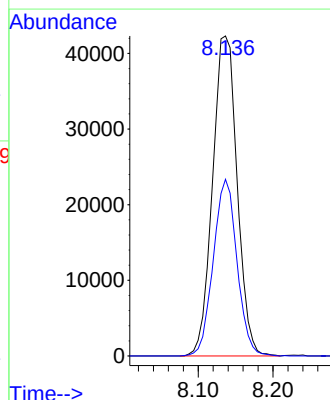
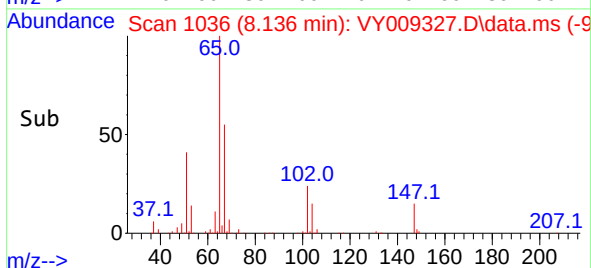
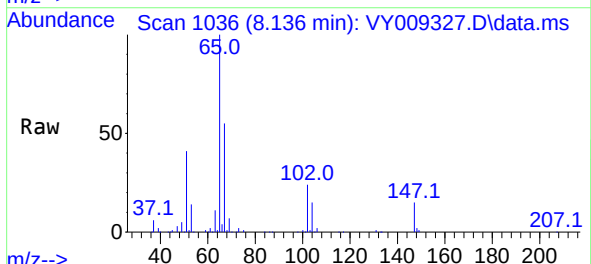


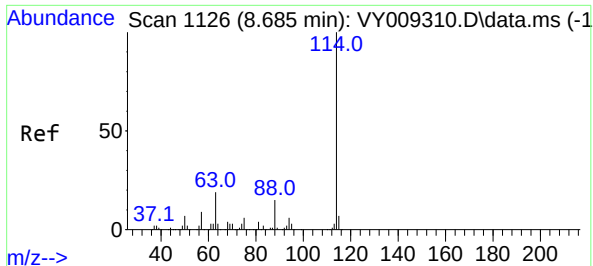
Tgt Ion: 56 Resp: 3652
Ion Ratio Lower Upper
56 100
69 134.7 26.0 39.0#
84 101.6 69.5 104.3



#33
1,2-Dichloroethane-d4
Concen: 80.638 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

Tgt Ion: 65 Resp: 96787
Ion Ratio Lower Upper
65 100
67 53.2 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009327.D

Acq: 25 Jun 2022 16:31

Instrument :

MSVOA_Y

ClientSampleId :

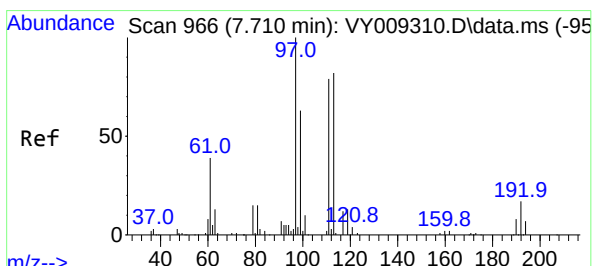
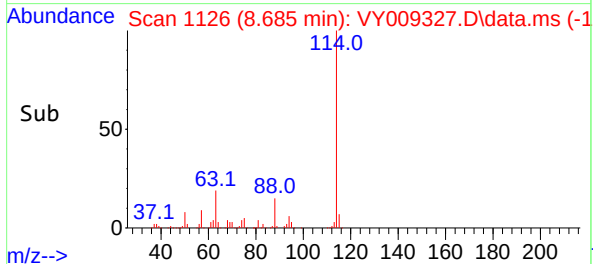
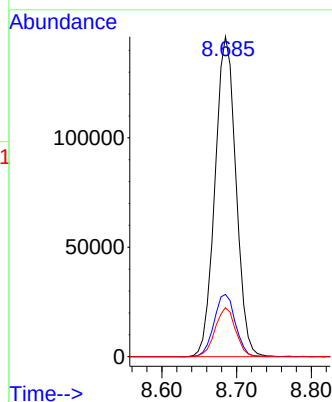
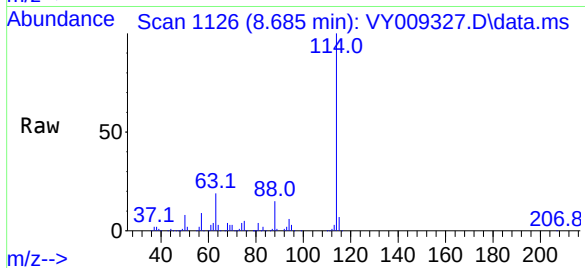
Tgt Ion:114 Resp: 284670

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

88 15.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 57.100 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009327.D

Acq: 25 Jun 2022 16:31

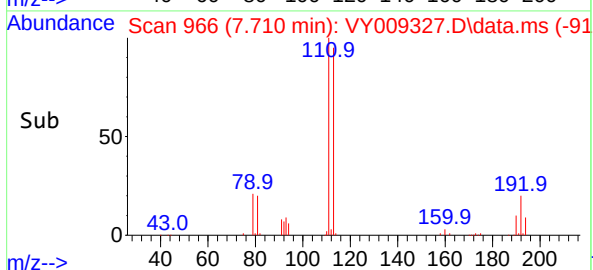
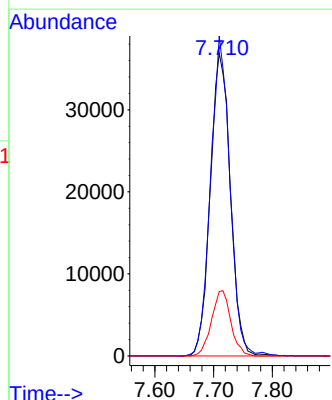
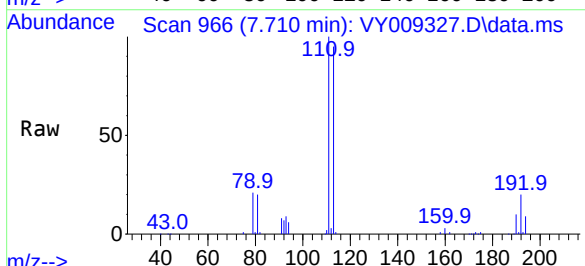
Tgt Ion:113 Resp: 87736

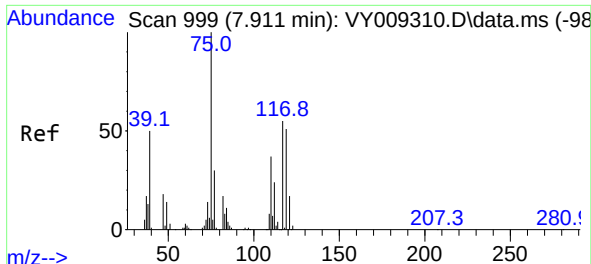
Ion Ratio Lower Upper

113 100

111 101.8 80.6 120.8

192 20.7 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

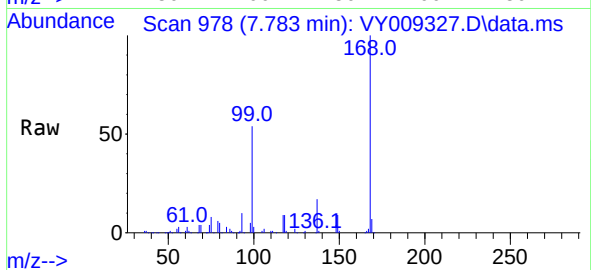
Lab File: VY009327.D

Acq: 25 Jun 2022 16:31

Instrument :

MSVOA_Y

ClientSampleId :



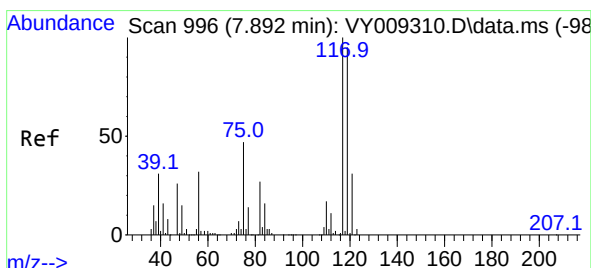
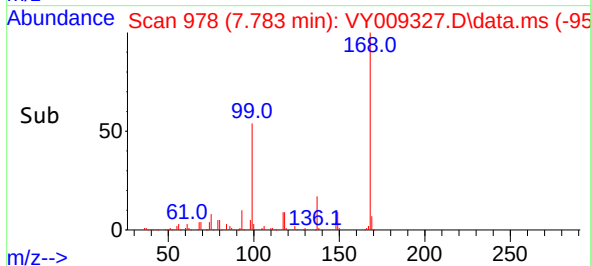
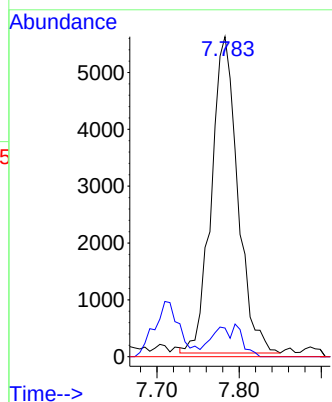
Tgt Ion: 75 Resp: 12429

Ion Ratio Lower Upper

75 100

110 4.5 18.6 56.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.074 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.104 min

Lab File: VY009327.D

Acq: 25 Jun 2022 16:31

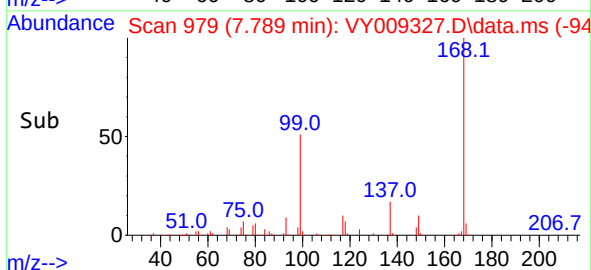
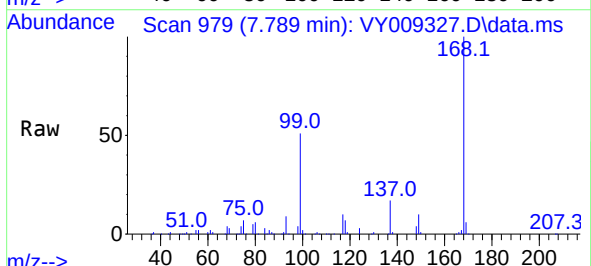
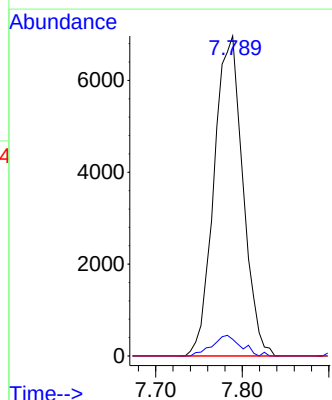
Tgt Ion: 117 Resp: 16106

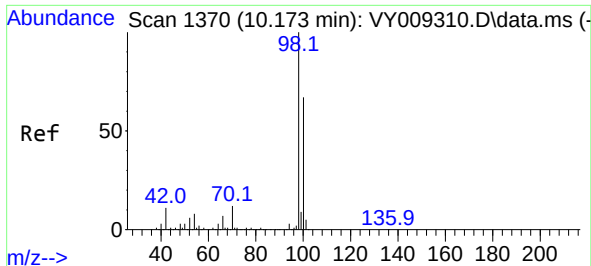
Ion Ratio Lower Upper

117 100

119 5.2 75.9 113.9#

121 0.0 24.9 37.3#

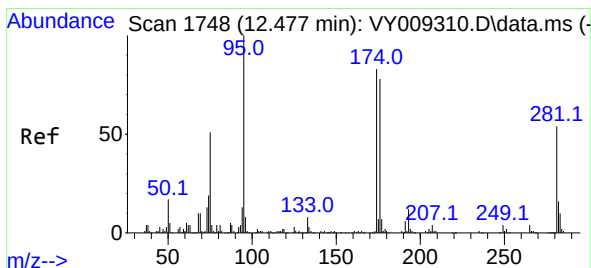
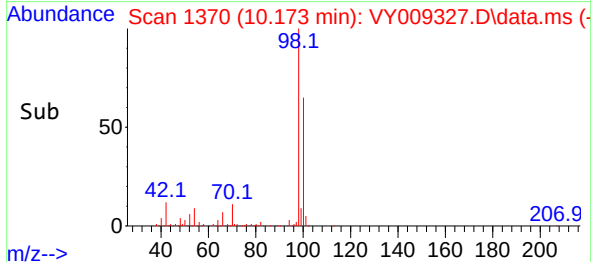
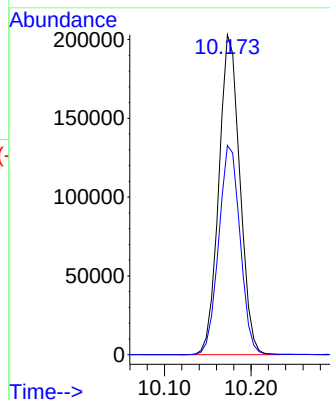
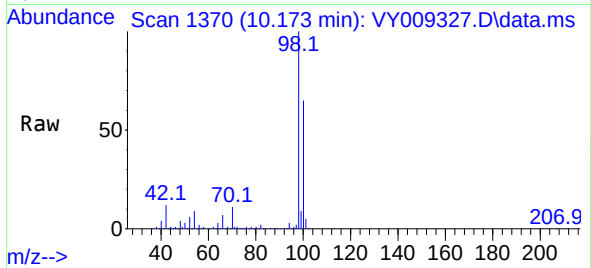




#50
Toluene-d8
Concen: 80.339 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

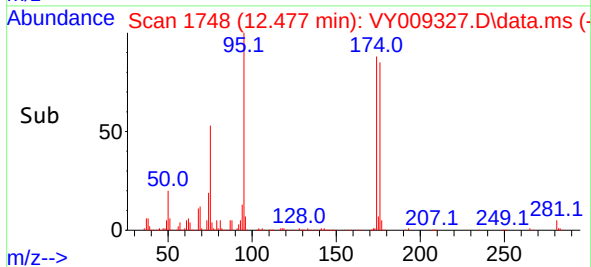
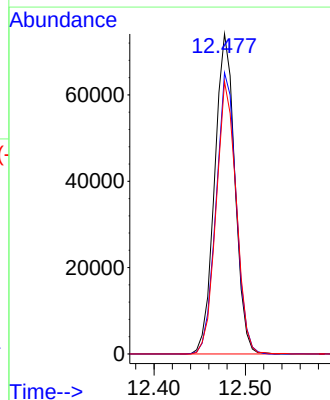
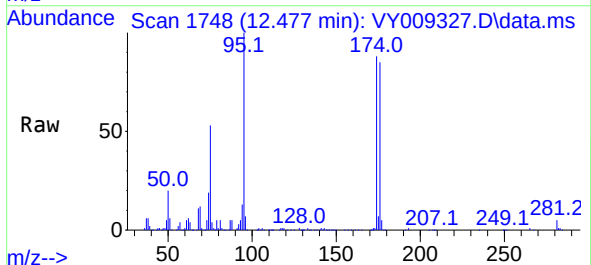
Instrument :
MSVOA_Y
ClientSampleId :

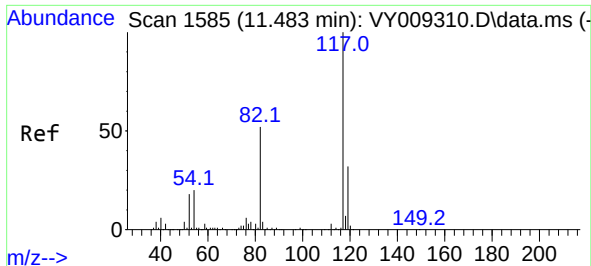
Tgt Ion: 98 Resp: 342177
Ion Ratio Lower Upper
98 100
100 66.7 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 52.090 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

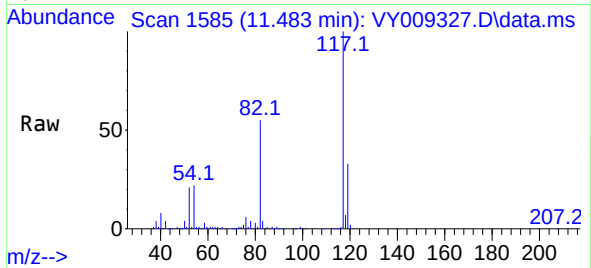
Tgt Ion: 95 Resp: 113992
Ion Ratio Lower Upper
95 100
174 87.2 0.0 173.8
176 84.5 0.0 167.0



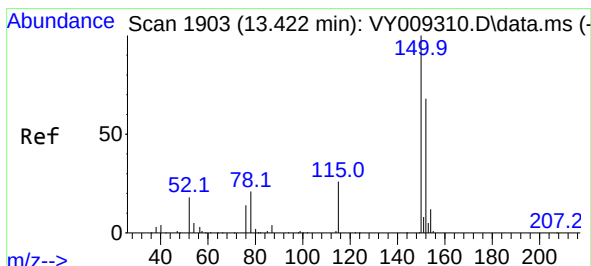
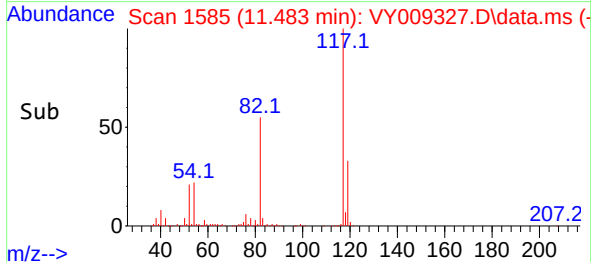
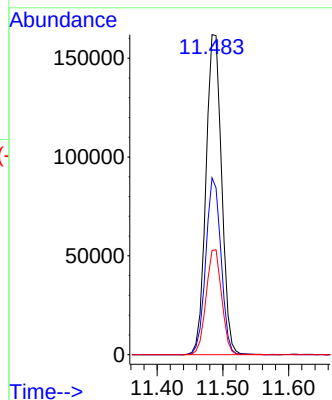


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

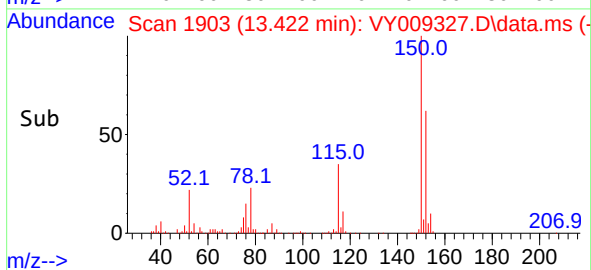
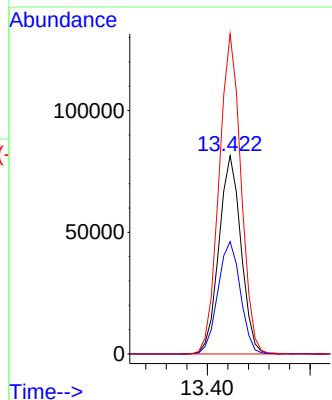
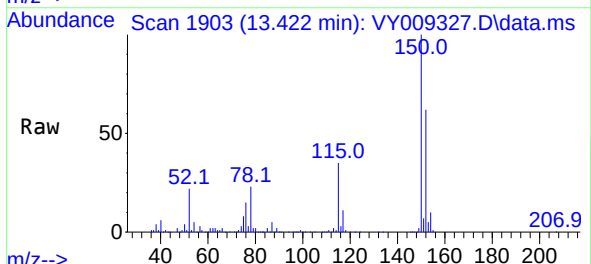


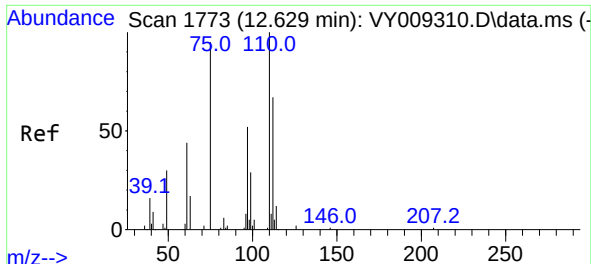
Tgt Ion:117 Resp: 268582
Ion Ratio Lower Upper
117 100
82 55.3 41.8 62.6
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

Tgt Ion:152 Resp: 121368
Ion Ratio Lower Upper
152 100
115 57.8 28.6 85.9
150 160.4 0.0 349.8

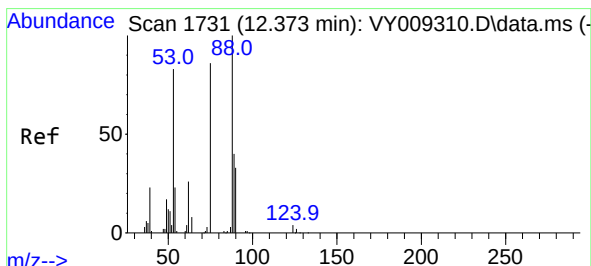
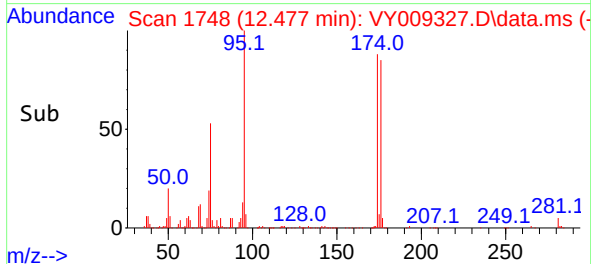
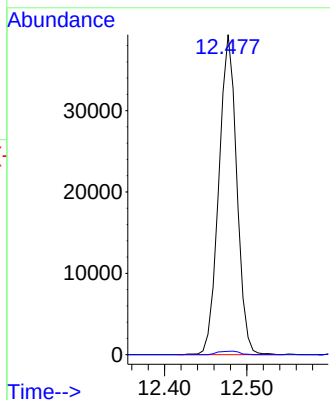
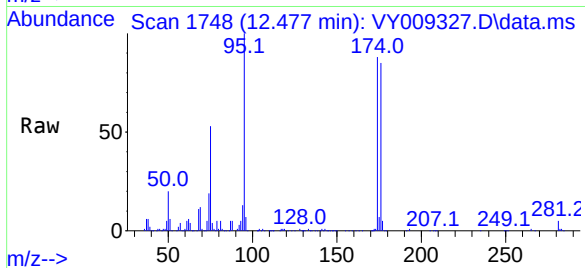




#76
1,2,3-Trichloropropane
Concen: 50.741 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

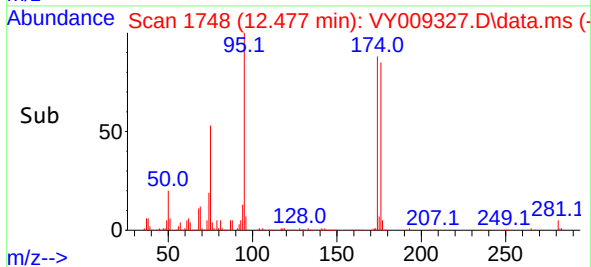
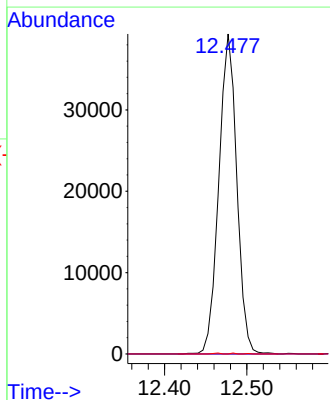
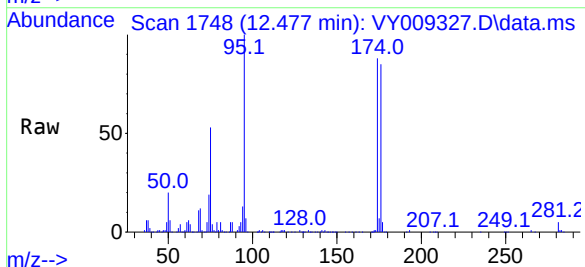
Instrument :
MSVOA_Y
ClientSampleId :

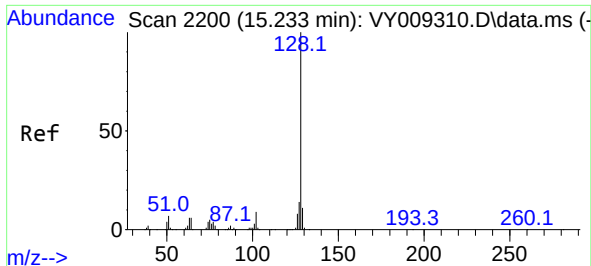
Tgt Ion: 75 Resp: 59761
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.443 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

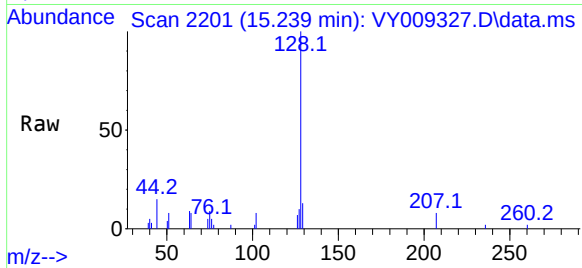
Tgt Ion: 75 Resp: 59761
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.1 38.1 57.1#





#95
Naphthalene
Concen: 1.209 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY009327.D
Acq: 25 Jun 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 5157
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 14.6 8.8 13.2#

