

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010811.D
 Acq On : 05 Oct 2022 11:52
 Operator : KP/MD
 Sample : N4948-01RE
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-6

Quant Time: Oct 06 09:16:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	198248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	338892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	292189	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128182	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	100032	49.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.560%
35) Dibromofluoromethane	7.716	113	104346	46.384	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.760%
50) Toluene-d8	10.179	98	330751	42.992	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	85.980%
62) 4-Bromofluorobenzene	12.477	95	119170	38.826	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.660%

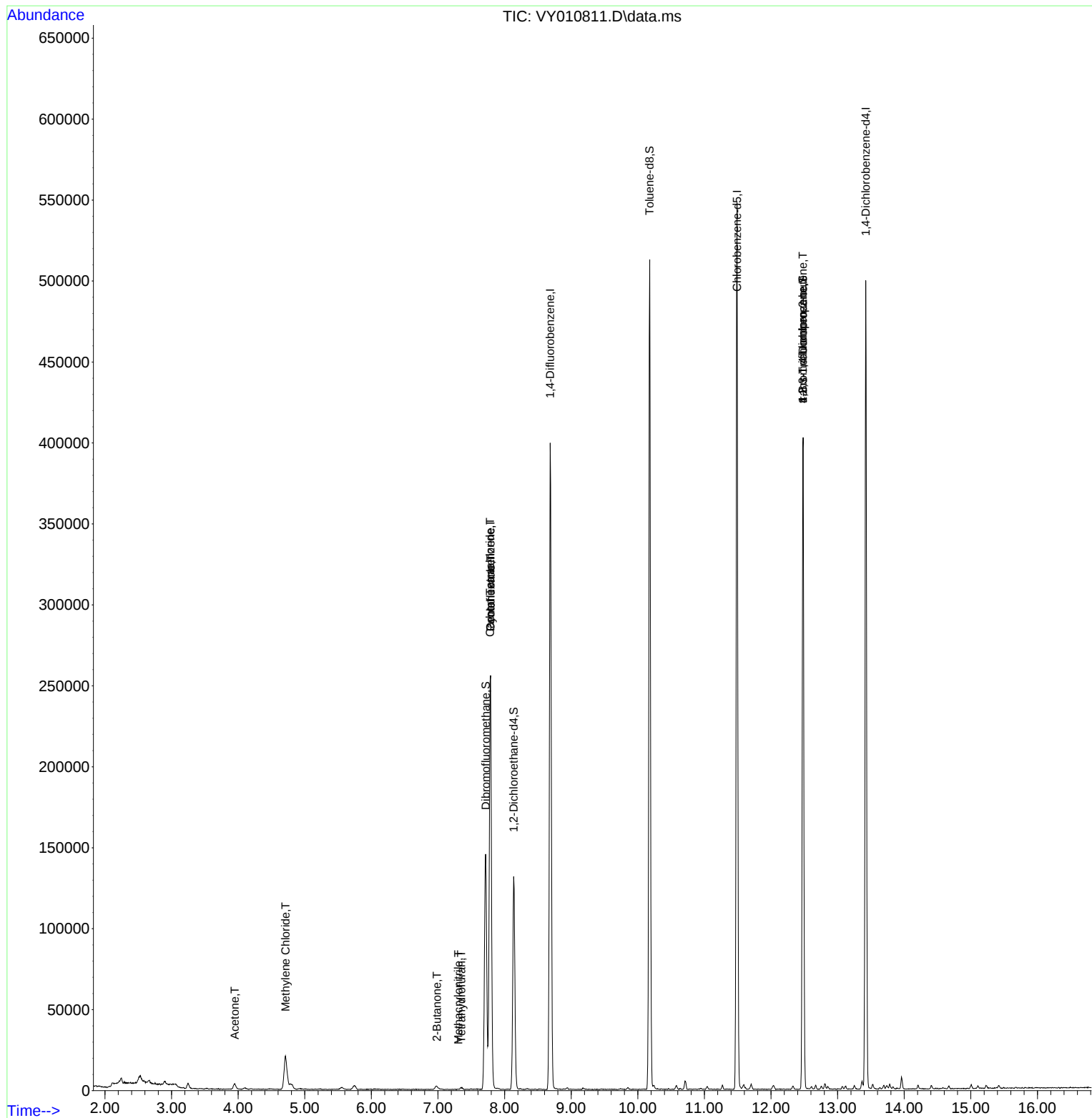
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.930	59	403	Below Cal	#	77
16) Acetone	3.948	43	6222	12.191	ug/l	93
20) Methylene Chloride	4.710	84	15518	1.919	ug/l	# 80
25) 2-Butanone	6.984	43	1056	1.439	ug/l	# 85
29) Tetrahydrofuran	7.350	42	749	1.736	ug/l	# 82
31) Cyclohexane	7.789	56	4472	1.243	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	19408	5.738	ug/l	# 17
41) Methacrylonitrile	7.307	41	28	2.610	ug/l	# 1
76) 1,2,3-Trichloropropane	12.477	75	61951	47.725	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	61951	99.693	ug/l	# 7

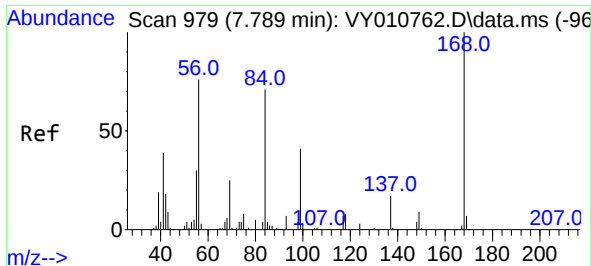
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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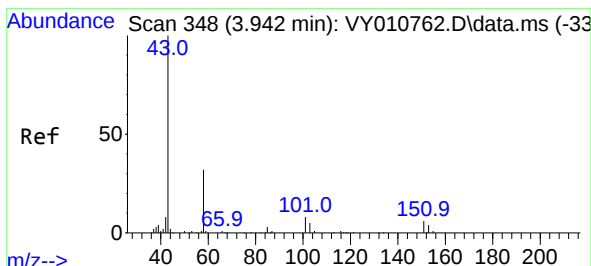
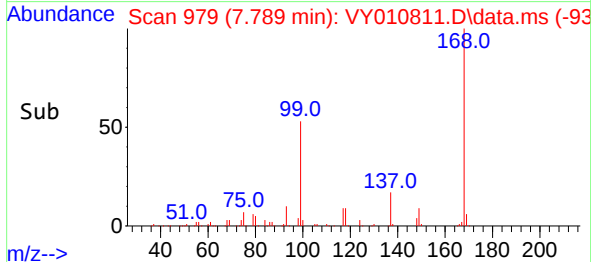
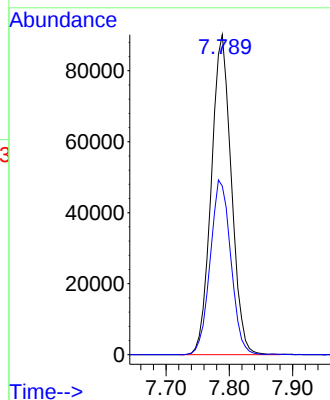
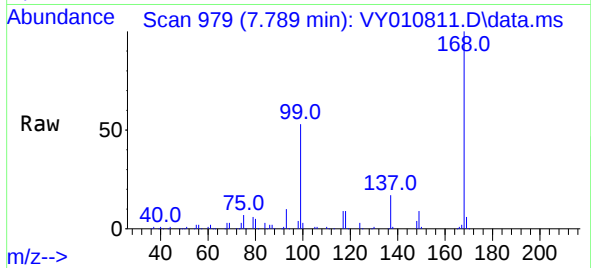




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

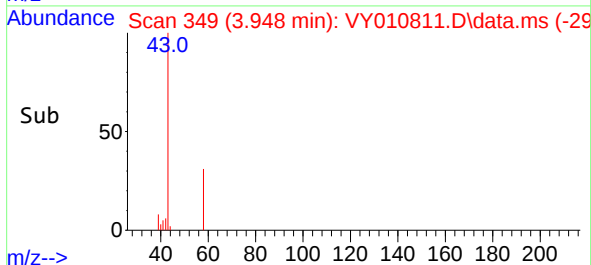
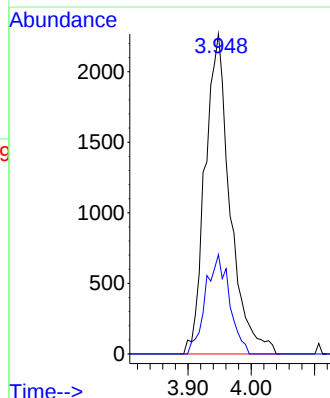
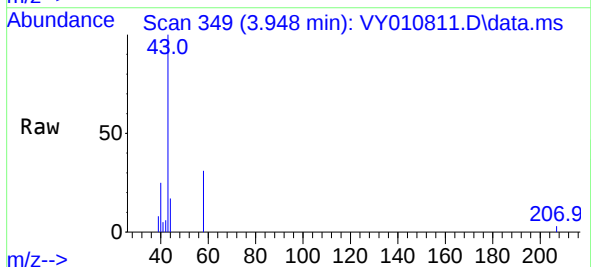
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

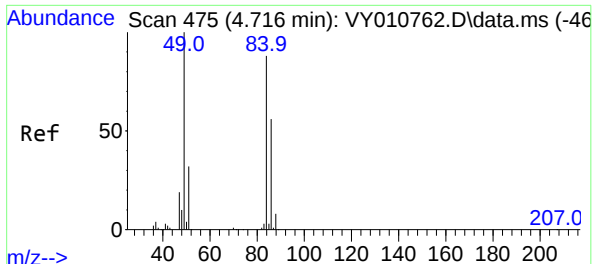
Tgt Ion:168 Resp: 198248
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#16
Acetone
Concen: 12.191 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

Tgt Ion: 43 Resp: 6222
Ion Ratio Lower Upper
43 100
58 31.1 22.0 33.0



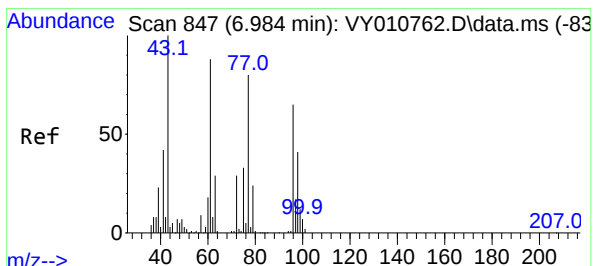
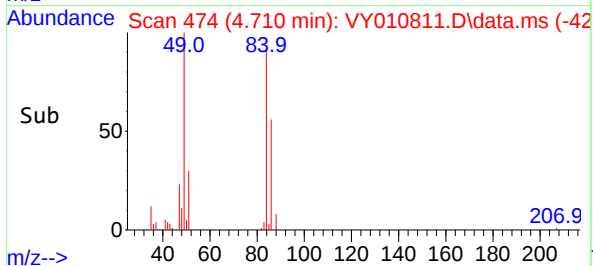
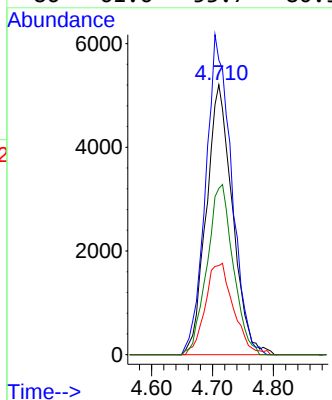
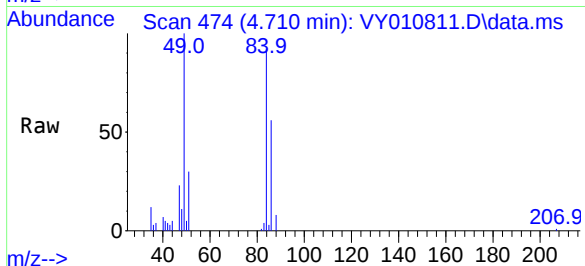


#20
Methylene Chloride
Concen: 1.919 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

Instrument :
MSVOA_Y
ClientSampleId :
PE-6

Tgt Ion: 84 Resp: 15518

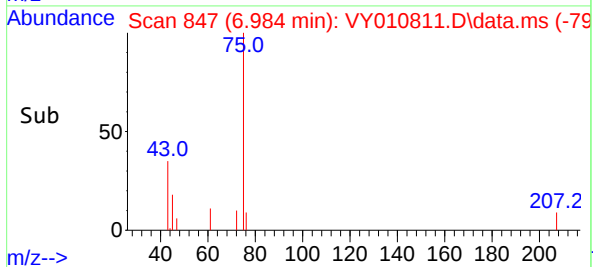
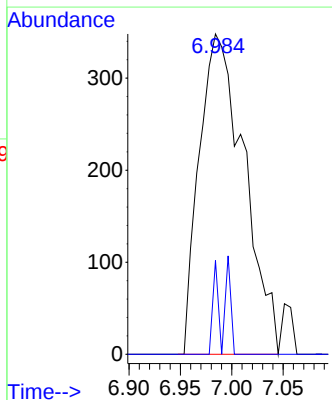
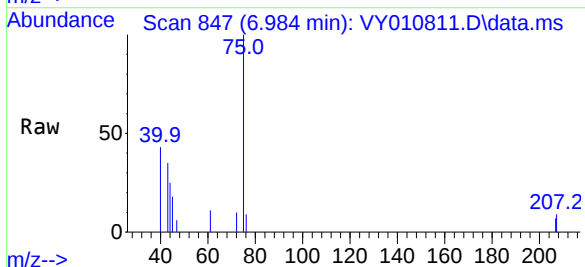
Ion	Ratio	Lower	Upper
84	100		
49	109.1	114.4	171.6#
51	33.0	35.3	52.9#
86	61.6	53.7	80.5

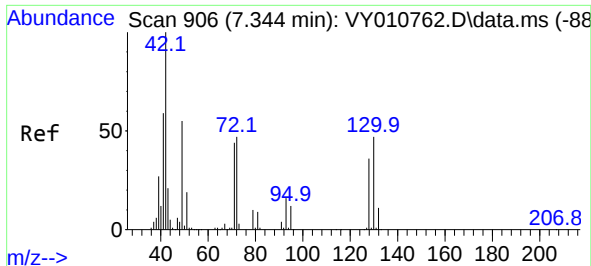


#25
2-Butanone
Concen: 1.439 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

Tgt Ion: 43 Resp: 1056

Ion	Ratio	Lower	Upper
43	100		
72	29.3	17.7	26.5#





#29

Tetrahydrofuran

Concen: 1.736 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY010811.D

Acq: 05 Oct 2022 11:52

Instrument :

MSVOA_Y

ClientSampleId :

PE-6

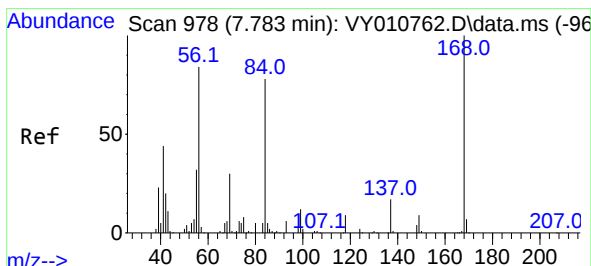
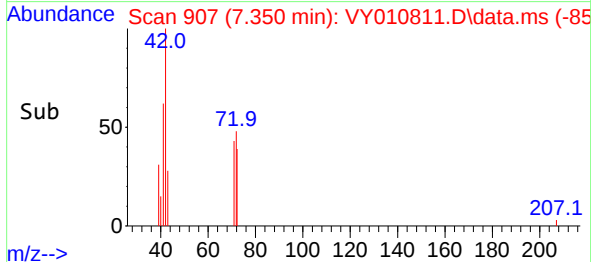
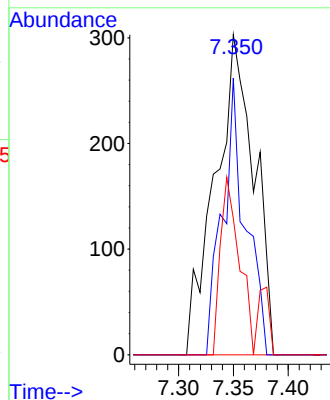
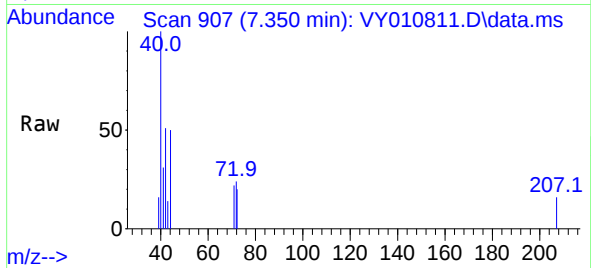
Tgt Ion: 42 Resp: 749

Ion Ratio Lower Upper

42 100

72 50.5 30.3 45.5#

71 27.1 29.0 43.4#



#31

Cyclohexane

Concen: 1.243 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY010811.D

Acq: 05 Oct 2022 11:52

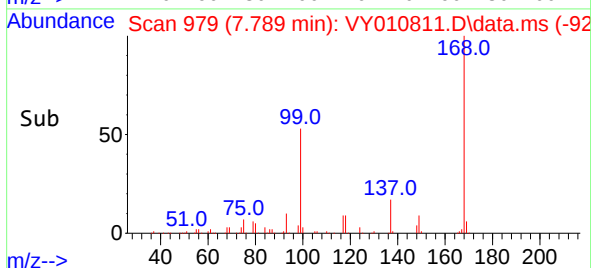
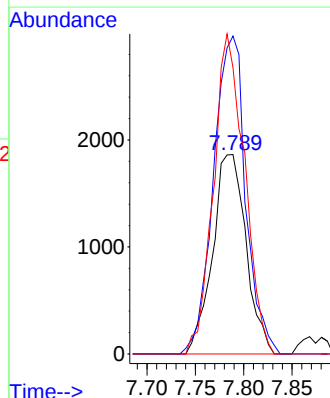
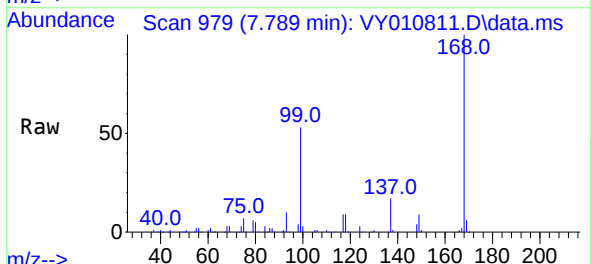
Tgt Ion: 56 Resp: 4472

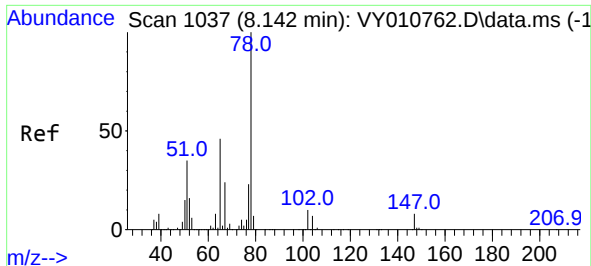
Ion Ratio Lower Upper

56 100

69 159.5 26.7 40.1#

84 143.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 49.780 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010811.D

Acq: 05 Oct 2022 11:52

Instrument :

MSVOA_Y

ClientSampleId :

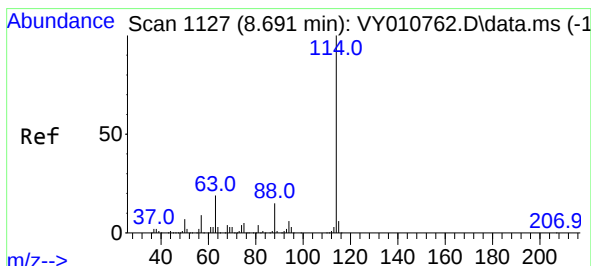
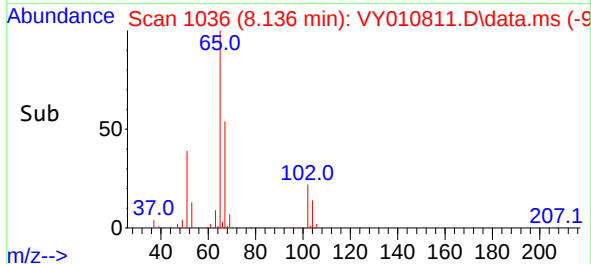
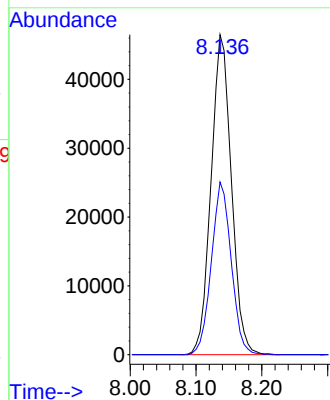
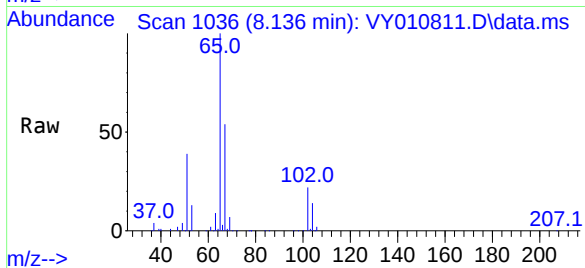
PE-6

Tgt Ion: 65 Resp: 100032

Ion Ratio Lower Upper

65 100

67 52.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010811.D

Acq: 05 Oct 2022 11:52

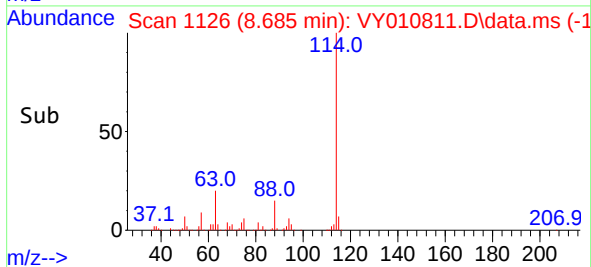
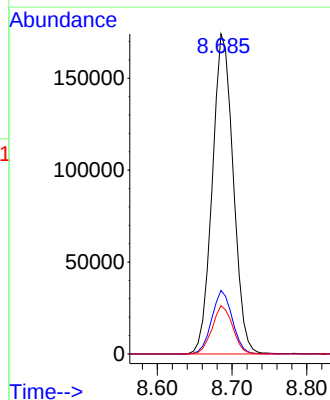
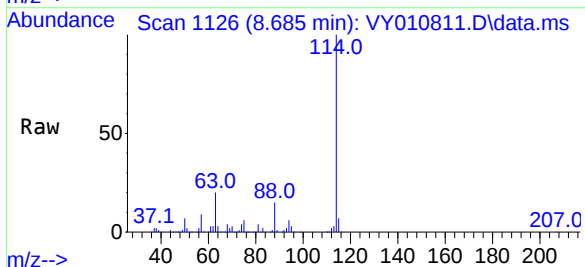
Tgt Ion:114 Resp: 338892

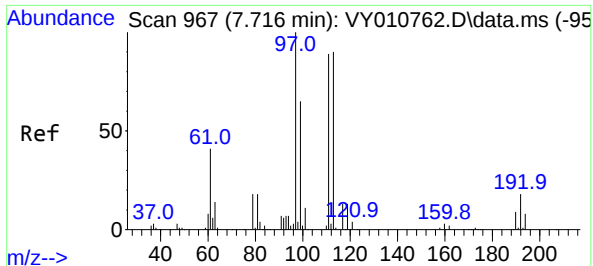
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.1 0.0 31.8

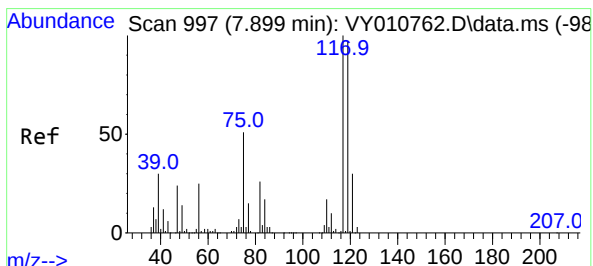
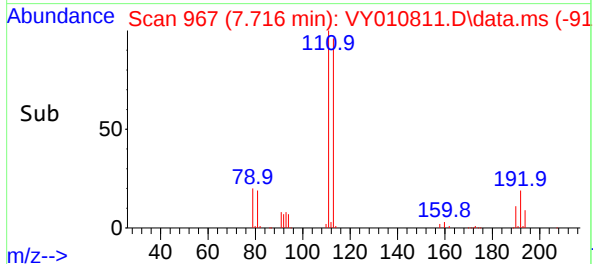
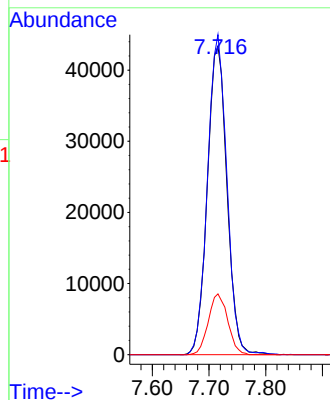
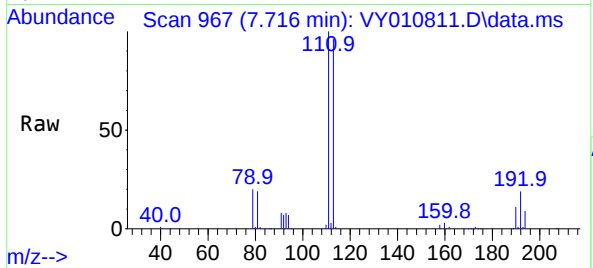




#35
Dibromofluoromethane
Concen: 46.384 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

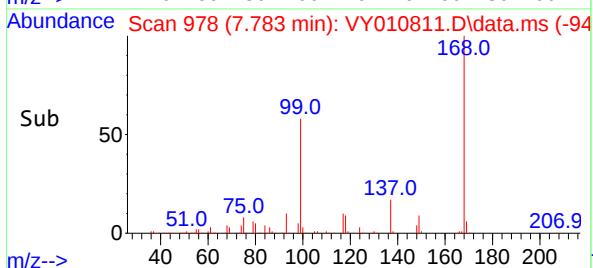
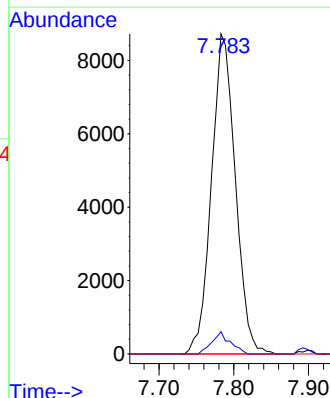
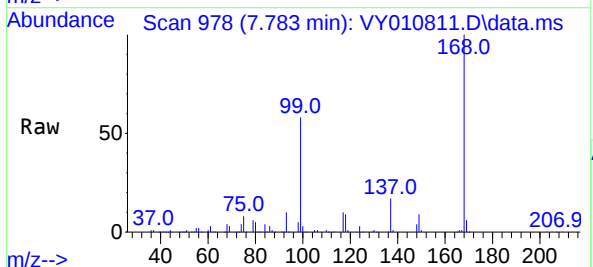
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

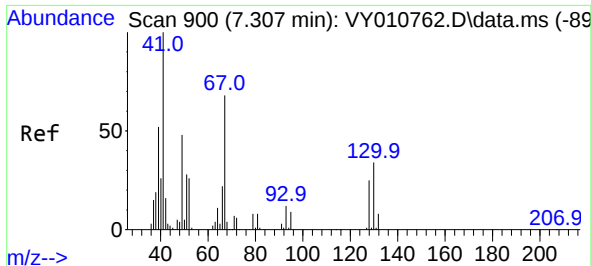
Tgt Ion:113 Resp: 104346
Ion Ratio Lower Upper
113 100
111 102.0 82.6 124.0
192 19.5 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.738 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

Tgt Ion:117 Resp: 19408
Ion Ratio Lower Upper
117 100
119 6.9 77.9 116.9#
121 0.0 24.8 37.2#

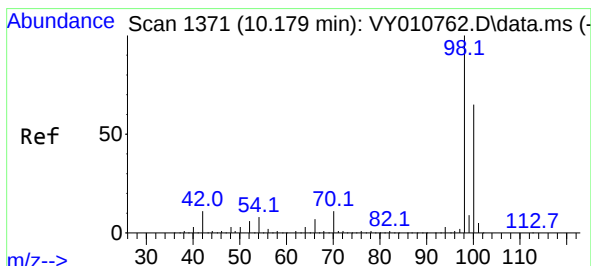
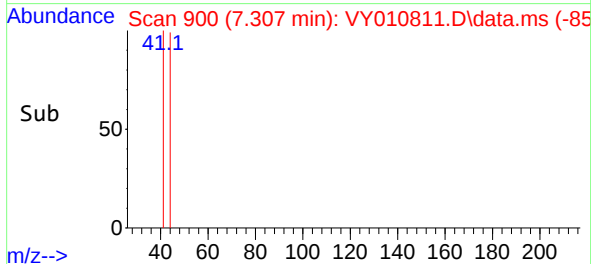
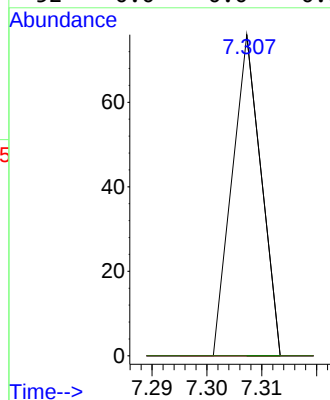
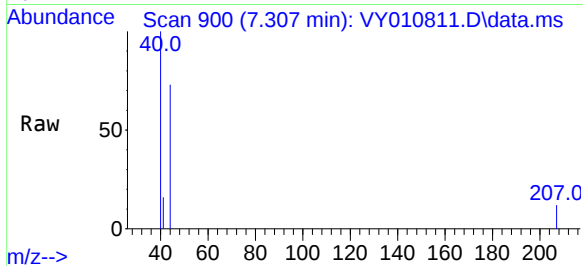




#41
Methacrylonitrile
Concen: 2.610 ug/l
RT: 7.307 min Scan# 900
Delta R.T. 0.000 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

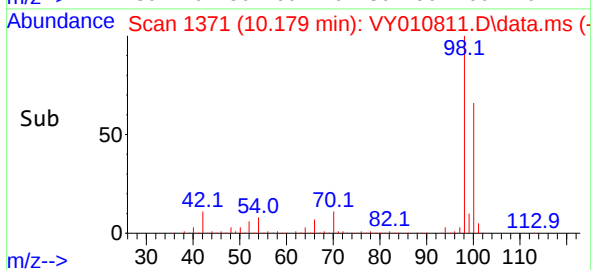
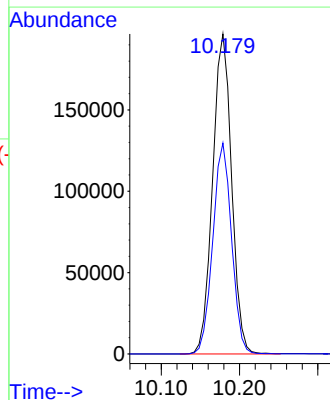
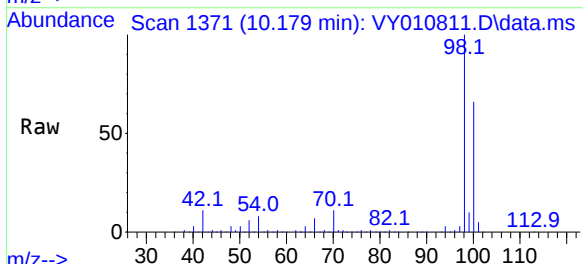
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PE-6

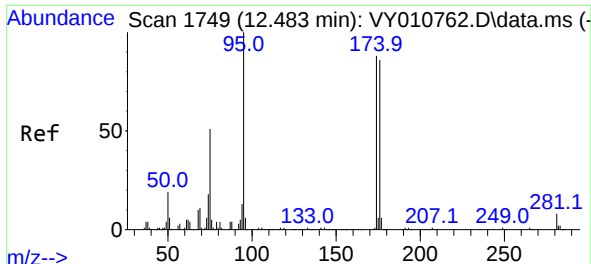
Tgt Ion: 41	Resp: 28
Ion Ratio	Lower Upper
41 100	
39 0.0	92.9 139.3#
67 0.0	0.0 0.0
52 0.0	0.0 0.0



#50
Toluene-d8
Concen: 42.992 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

Tgt Ion: 98	Resp: 330751
Ion Ratio	Lower Upper
98 100	
100 65.2	50.2 75.2

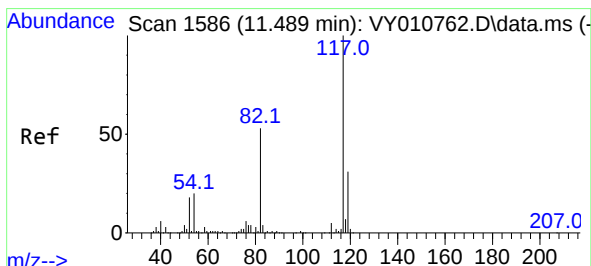
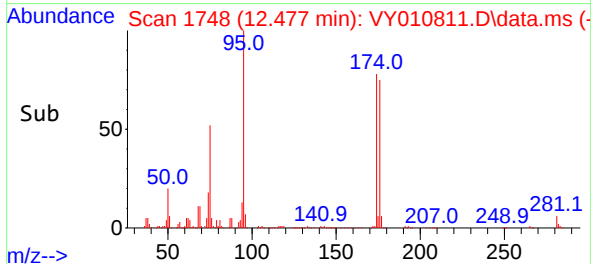
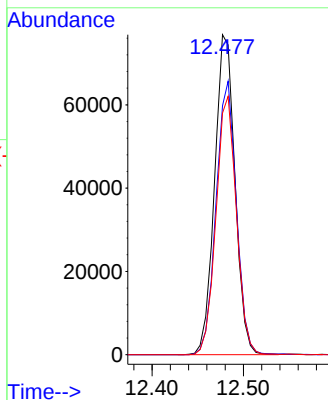
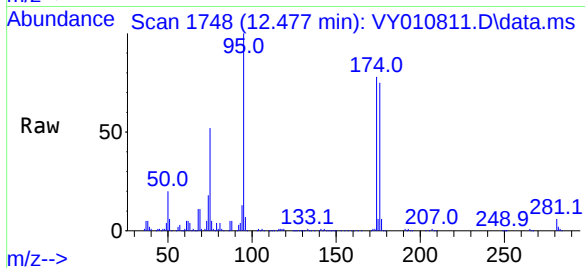




#62
4-Bromofluorobenzene
Concen: 38.826 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

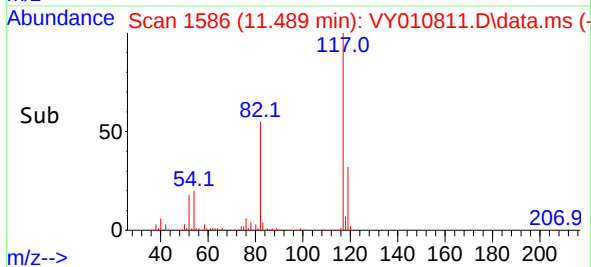
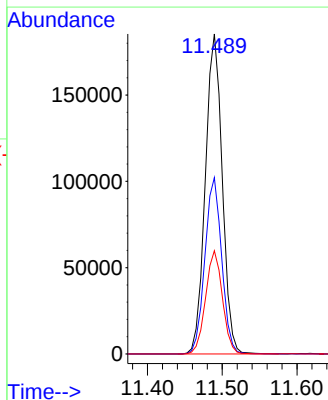
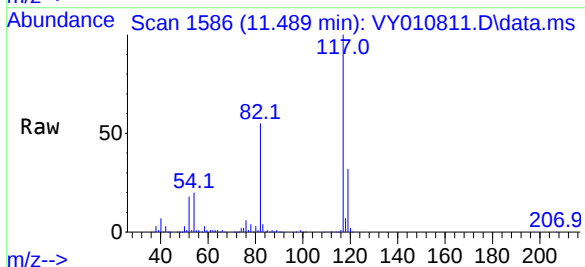
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

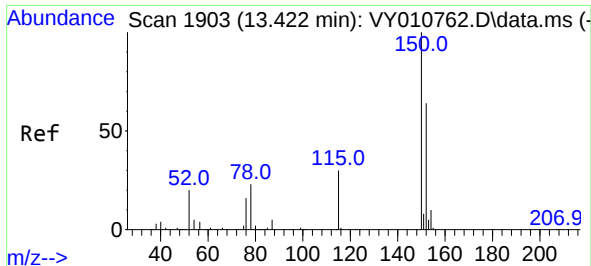
Tgt Ion: 95 Resp: 119170
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 80.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

Tgt Ion: 117 Resp: 292189
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.3 25.4 38.0

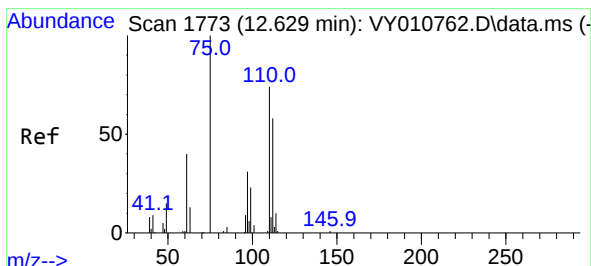
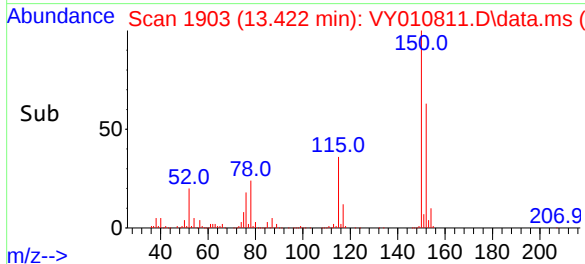
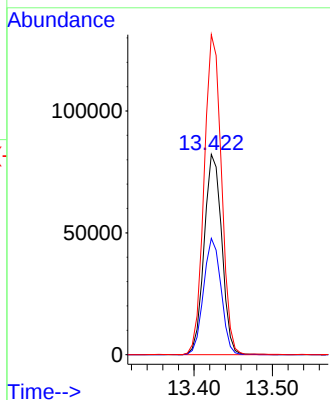
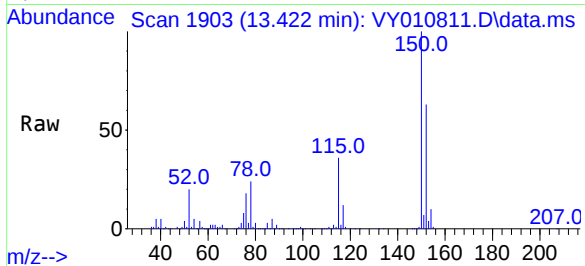




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

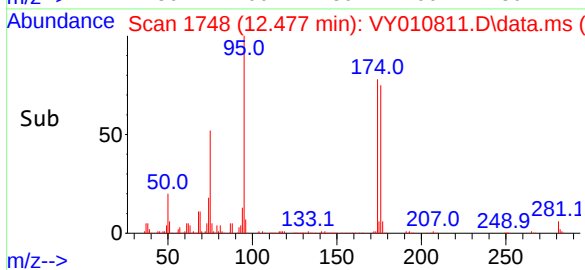
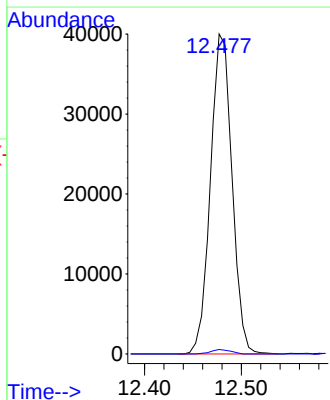
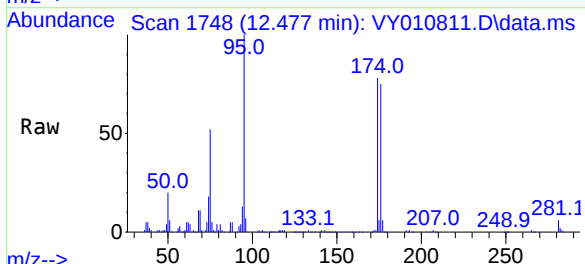
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

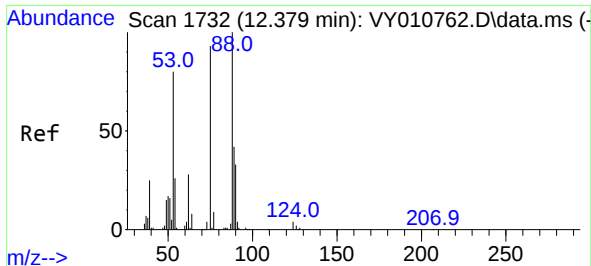
Tgt Ion:152 Resp: 128182
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 157.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.725 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010811.D
Acq: 05 Oct 2022 11:52

Tgt Ion: 75 Resp: 61951
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.693 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010811.D
 Acq: 05 Oct 2022 11:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-6

Tgt Ion: 75 Resp: 61951
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

