

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010820.D
 Acq On : 05 Oct 2022 15:16
 Operator : KP/MD
 Sample : N4995-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 L-1

Quant Time: Oct 06 09:18:51 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)

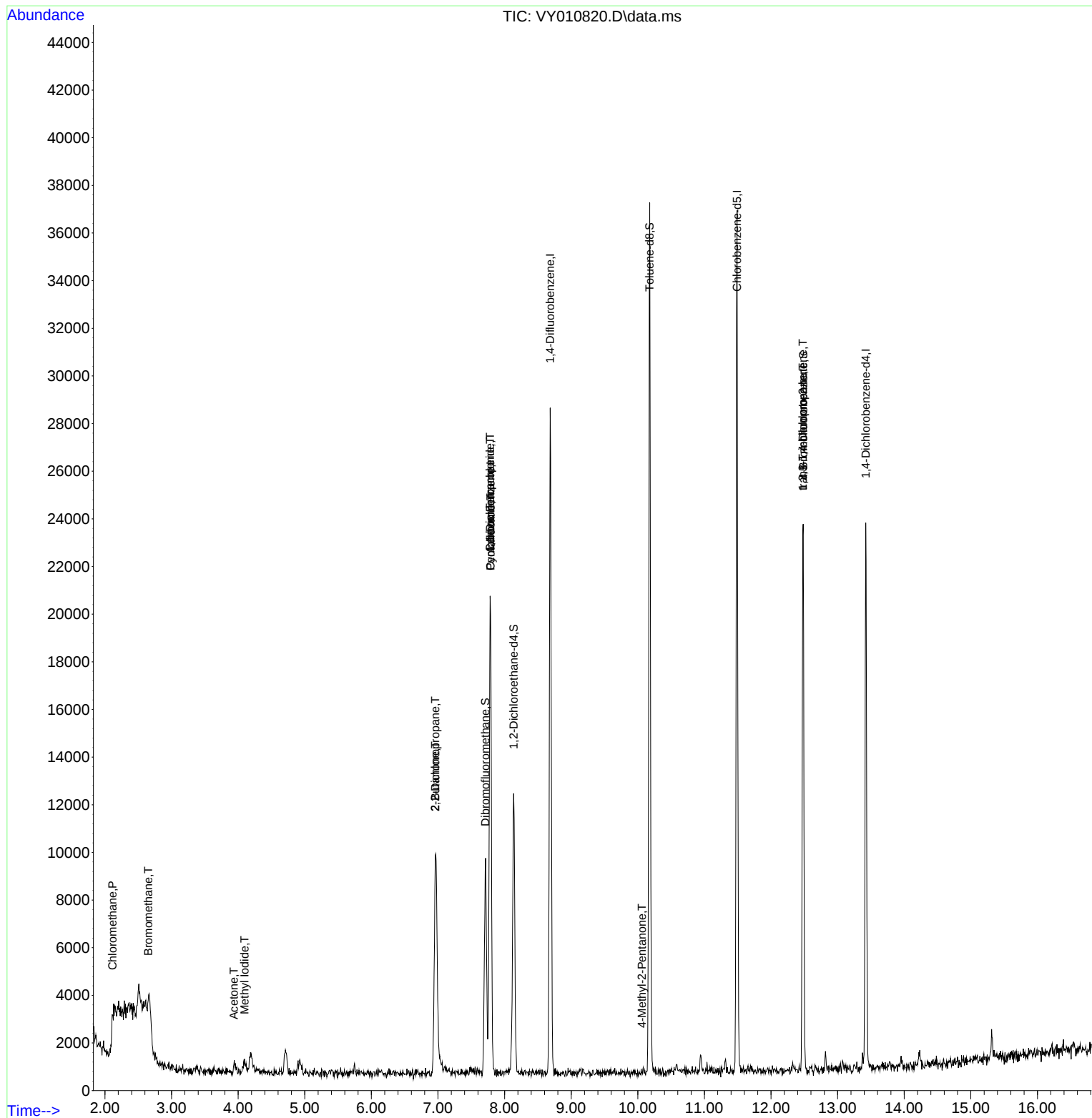
Internal Standards						
1) Pentafluorobenzene	7.789	168	15684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	24410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	19322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	6123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8806	55.392	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.780%			
35) Dibromofluoromethane	7.710	113	6487	40.035	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 80.060%			
50) Toluene-d8	10.179	98	24058	43.415	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.820%			
62) 4-Bromofluorobenzene	12.483	95	6997	30.915	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 61.840%			
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	397	2.197	ug/l	92
5) Bromomethane	2.650	94	483	3.128	ug/l #	63
10) Methyl Iodide	4.094	142	836	4.116	ug/l #	50
11) Tert butyl alcohol	4.930	59	678	Below Cal	#	77
16) Acetone	3.936	43	534	13.226	ug/l #	82
20) Methylene Chloride	4.698	84	861	Below Cal	#	76
25) 2-Butanone	6.960	43	542	9.337	ug/l #	54
26) 2,2-Dichloropropane	6.960	77	693	2.463	ug/l #	55
31) Cyclohexane	7.789	56	423	1.487	ug/l #	65
36) 1,1-Dichloropropene	7.783	75	1435	6.135	ug/l #	45
38) Carbon Tetrachloride	7.783	117	1660	6.814	ug/l #	11
51) 4-Methyl-2-Pentanone	10.063	43	139	1.223	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	3749	60.461	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3749	126.298	ug/l #	7

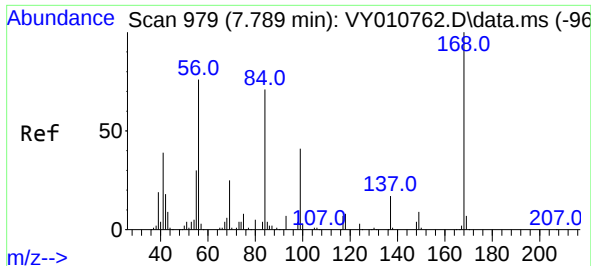
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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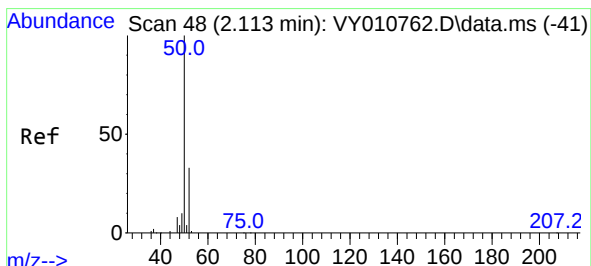
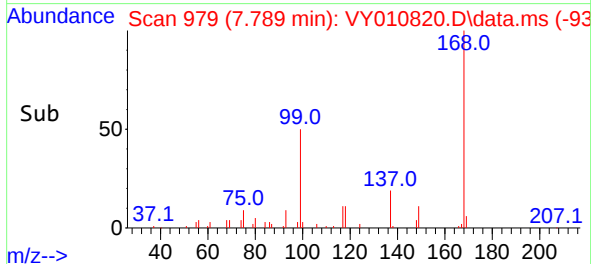
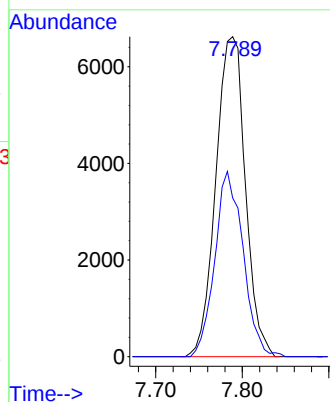
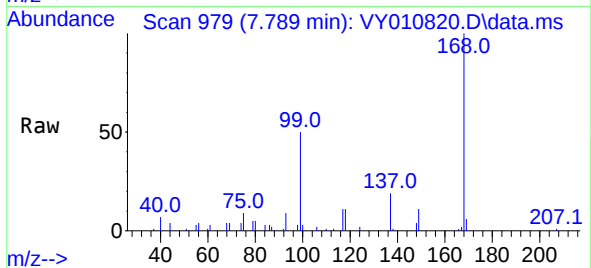




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

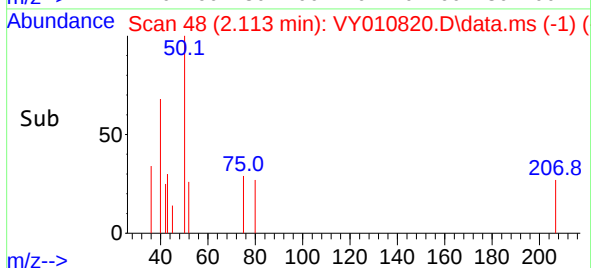
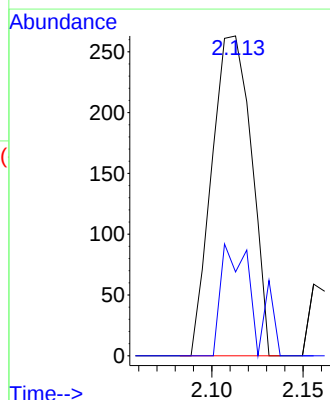
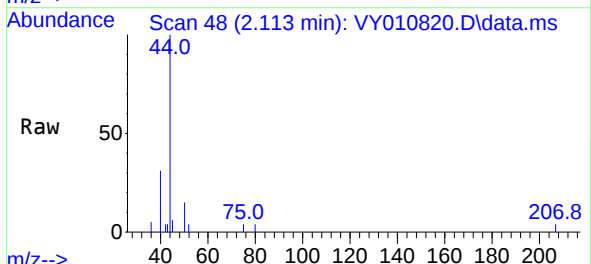
Instrument :
MSVOA_Y
ClientSampleId :
L-1

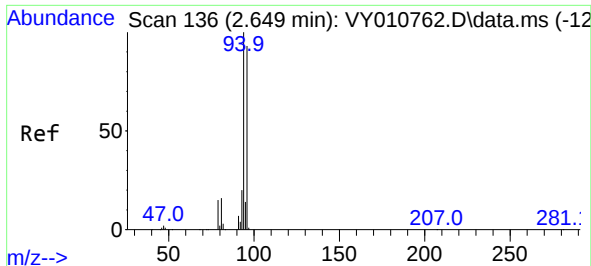
Tgt Ion:168 Resp: 15684
Ion Ratio Lower Upper
168 100
99 49.6 46.9 70.3



#3
Chloromethane
Concen: 2.197 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion: 50 Resp: 397
Ion Ratio Lower Upper
50 100
52 26.2 24.6 37.0

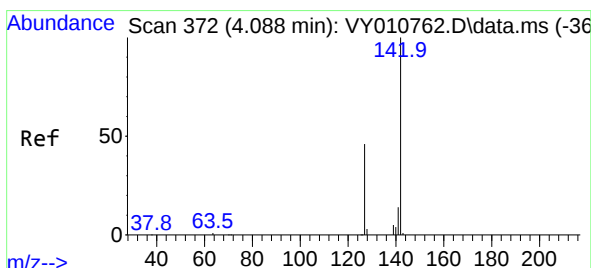
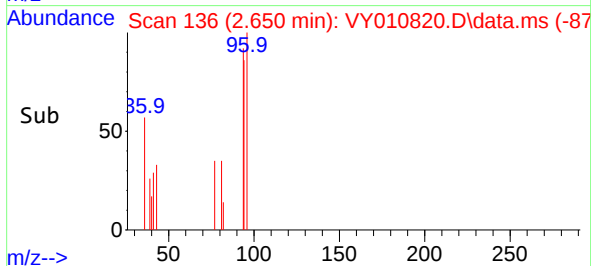
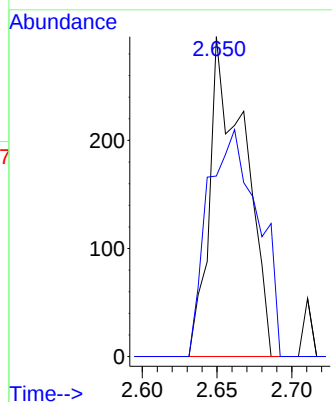
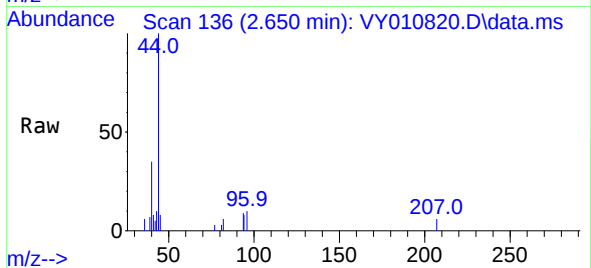




#5
Bromomethane
Concen: 3.128 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

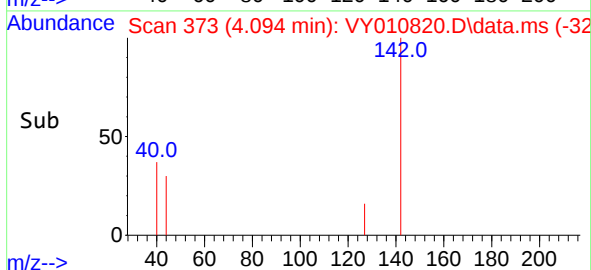
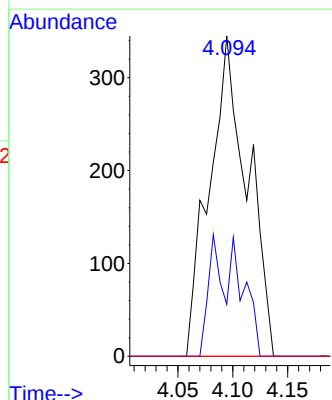
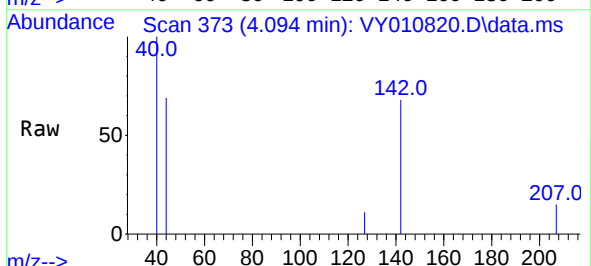
Instrument :
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ClientSampleId :
L-1

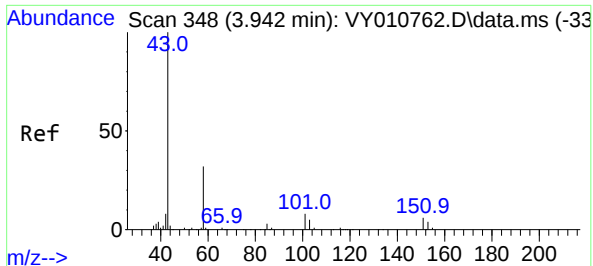
Tgt Ion: 94 Resp: 483
Ion Ratio Lower Upper
94 100
96 56.4 73.5 110.3#



#10
Methyl Iodide
Concen: 4.116 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion: 142 Resp: 836
Ion Ratio Lower Upper
142 100
127 14.2 41.5 62.3#
141 0.0 11.9 17.9#

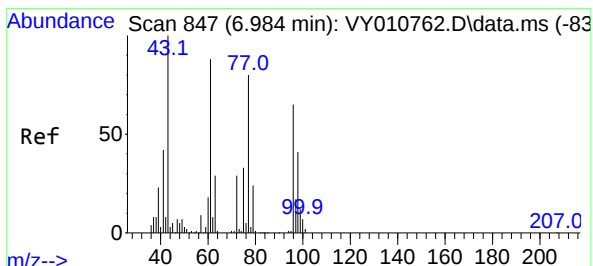
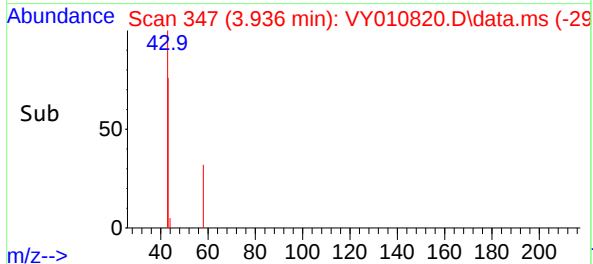
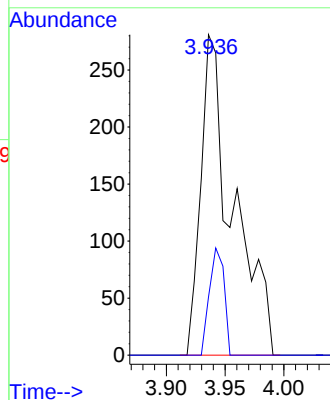
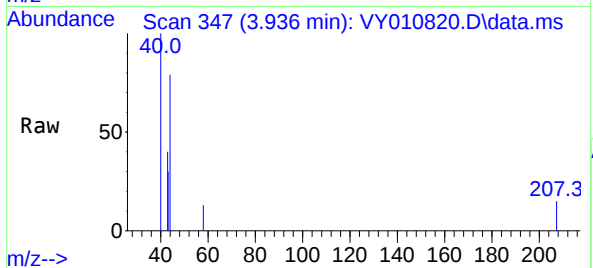




#16
Acetone
Concen: 13.226 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

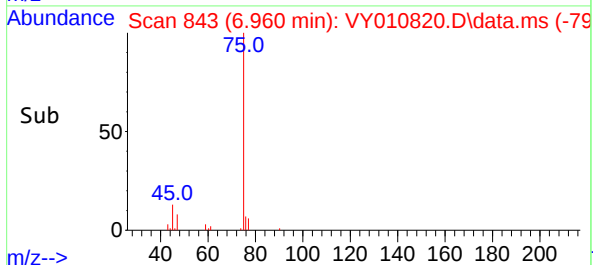
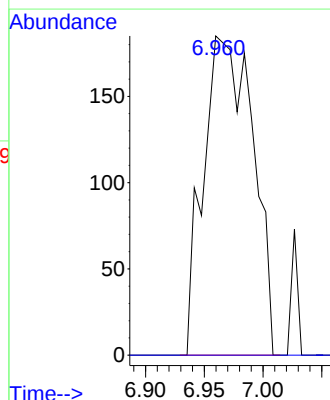
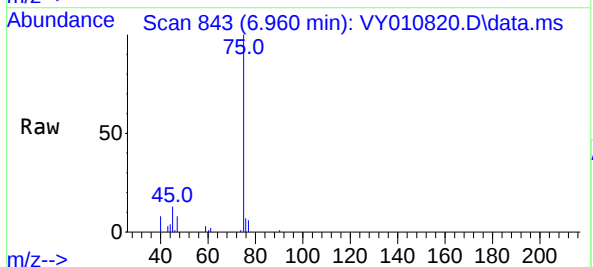
Instrument :
MSVOA_Y
ClientSampleId :
L-1

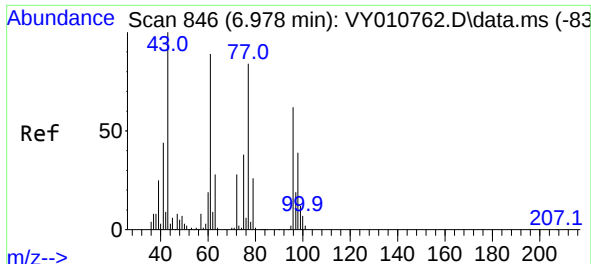
Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
58 18.1 22.0 33.0#



#25
2-Butanone
Concen: 9.337 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 2.463 ug/l

RT: 6.960 min Scan# 846

Delta R.T. -0.018 min

Lab File: VY010820.D

Acq: 05 Oct 2022 15:16

Instrument :

MSVOA_Y

ClientSampleId :

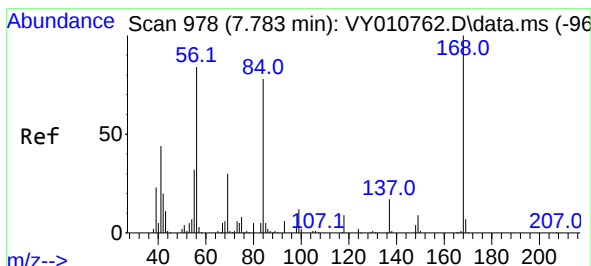
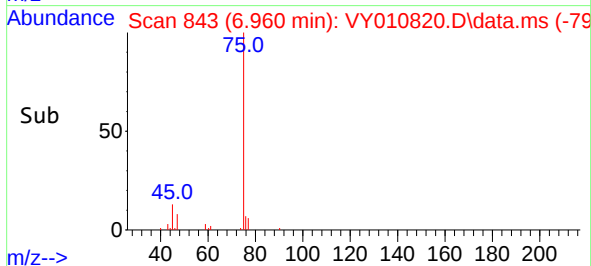
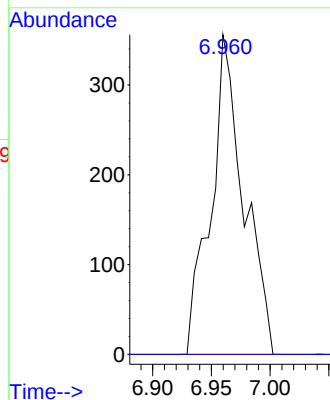
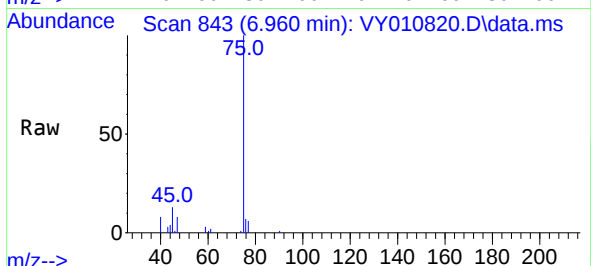
L-1

Tgt Ion: 77 Resp: 693

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.487 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY010820.D

Acq: 05 Oct 2022 15:16

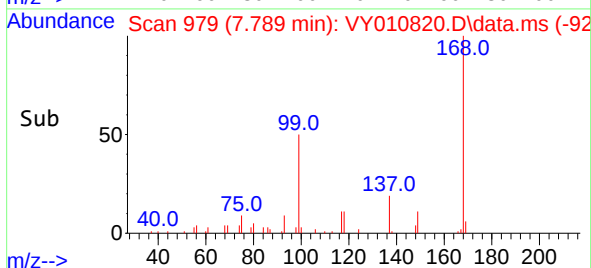
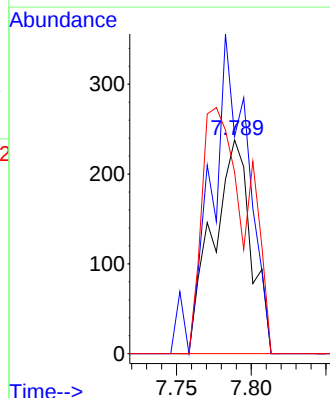
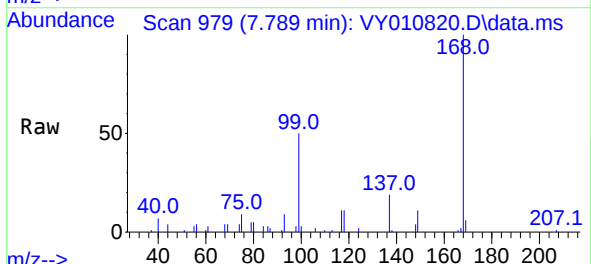
Tgt Ion: 56 Resp: 423

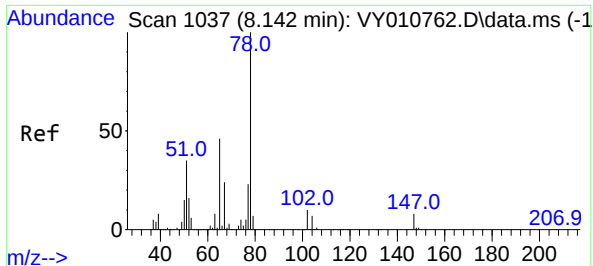
Ion Ratio Lower Upper

56 100

69 101.7 26.7 40.1#

84 84.9 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 55.392 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY010820.D

Acq: 05 Oct 2022 15:16

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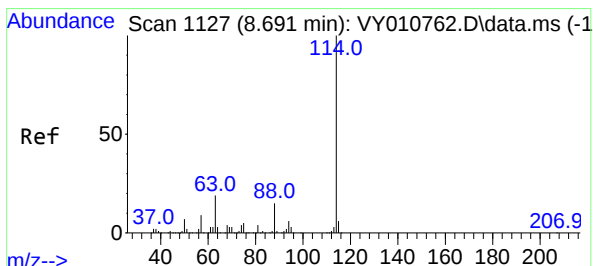
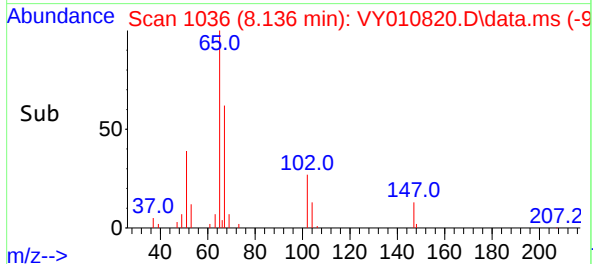
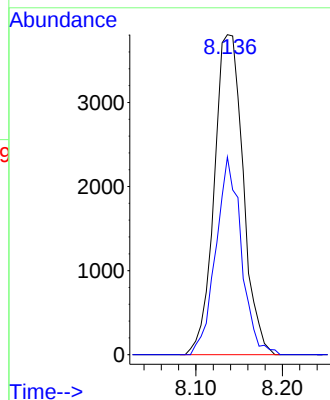
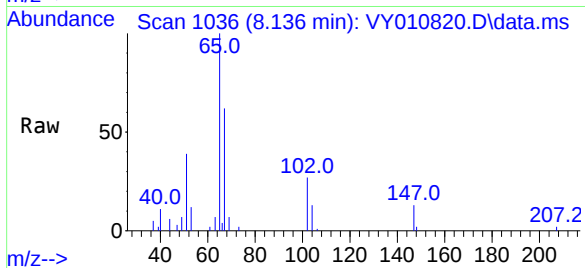
L-1

Tgt Ion: 65 Resp: 8806

Ion Ratio Lower Upper

65 100

67 54.7 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: VY010820.D

Acq: 05 Oct 2022 15:16

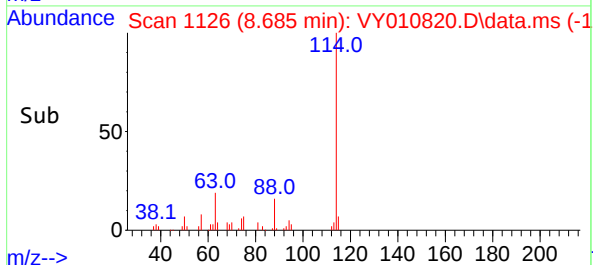
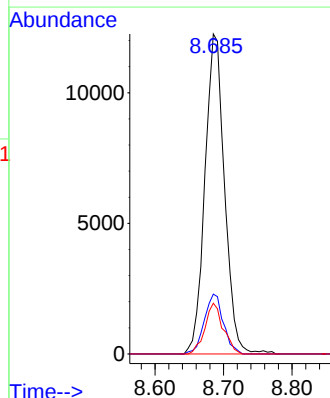
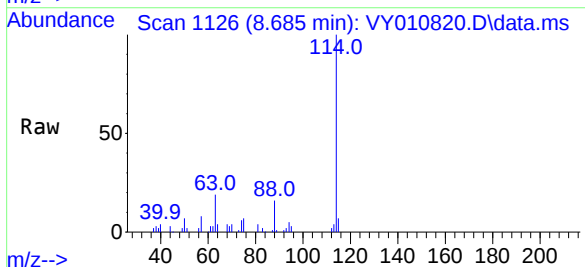
Tgt Ion: 114 Resp: 24410

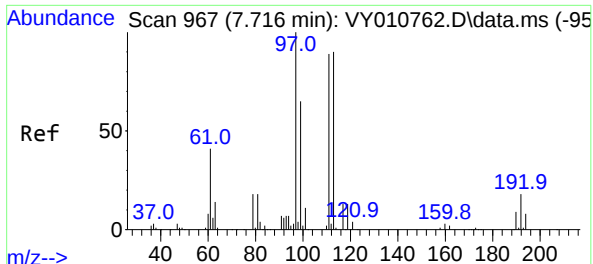
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.9 0.0 31.8

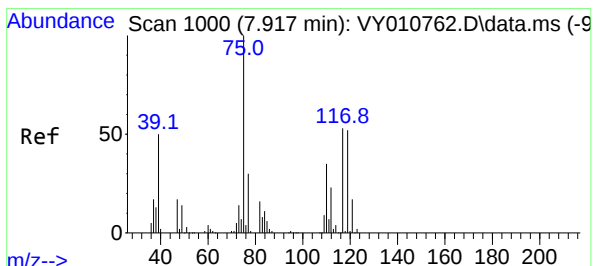
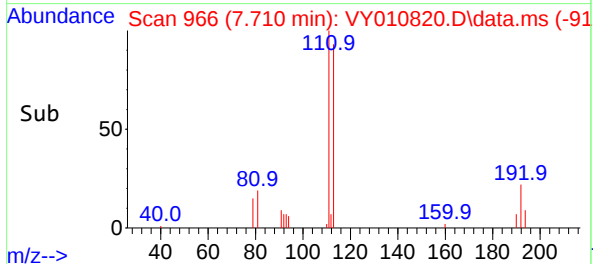
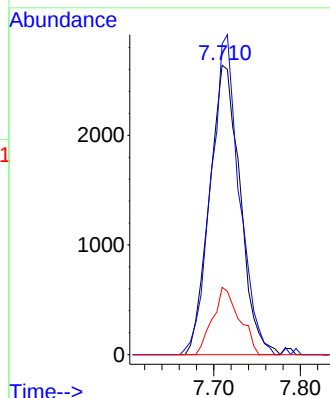
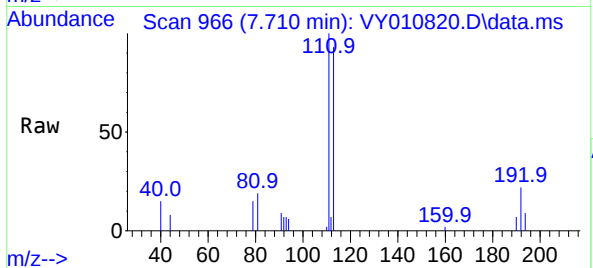




#35
Dibromofluoromethane
Concen: 40.035 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

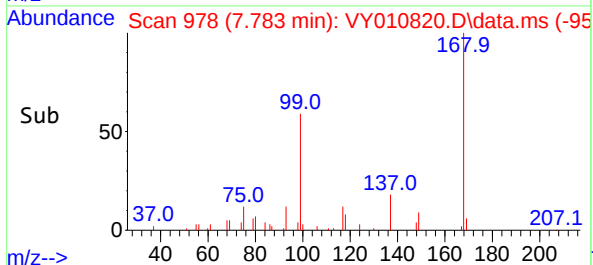
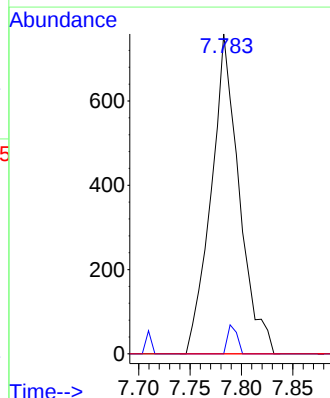
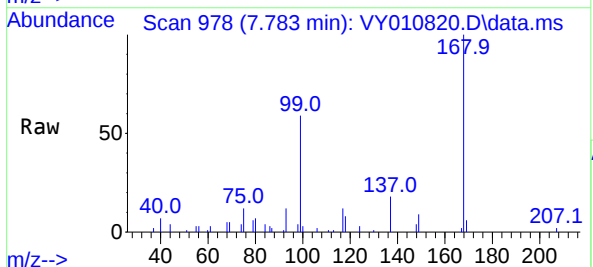
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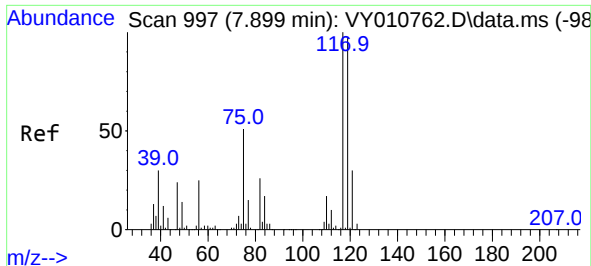
Tgt Ion:113 Resp: 6487
Ion Ratio Lower Upper
113 100
111 102.2 82.6 124.0
192 20.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.135 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion: 75 Resp: 1435
Ion Ratio Lower Upper
75 100
110 3.1 17.1 51.2#
77 0.0 24.4 36.6#

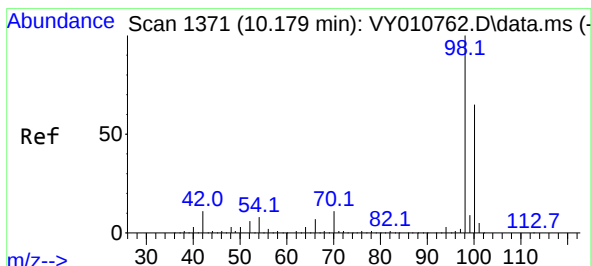
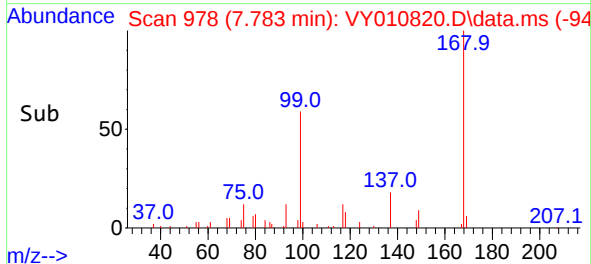
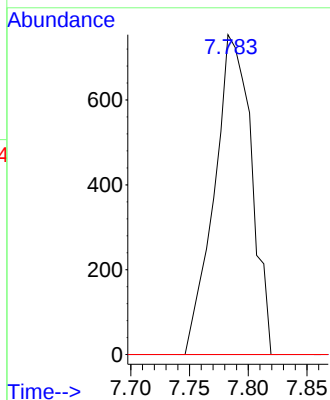
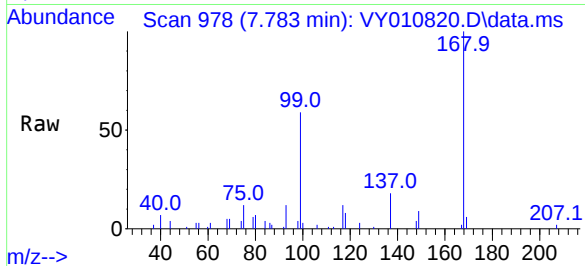




#38
Carbon Tetrachloride
Concen: 6.814 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

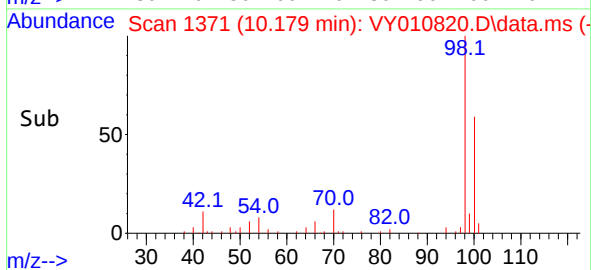
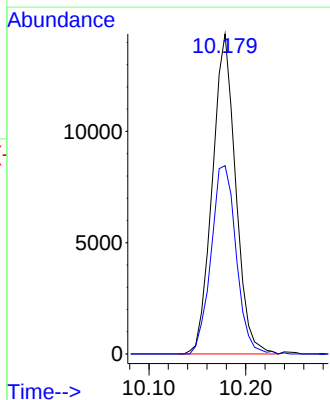
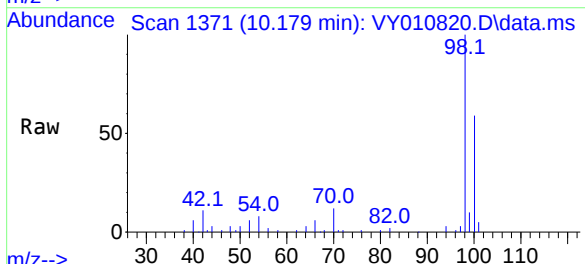
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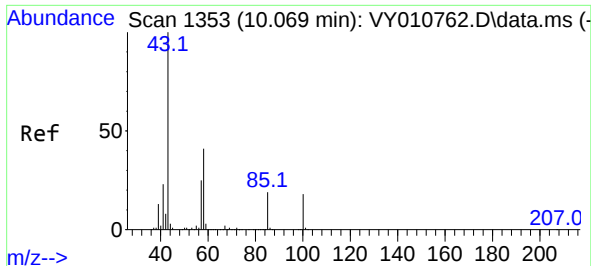
Tgt Ion:117 Resp: 1660
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 43.415 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion: 98 Resp: 24058
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2

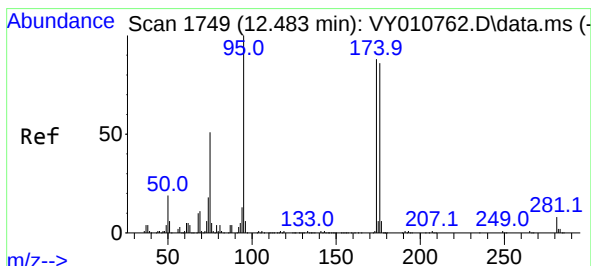
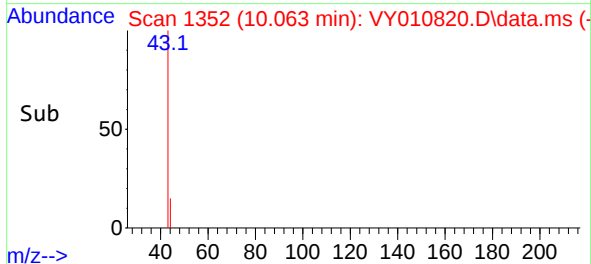
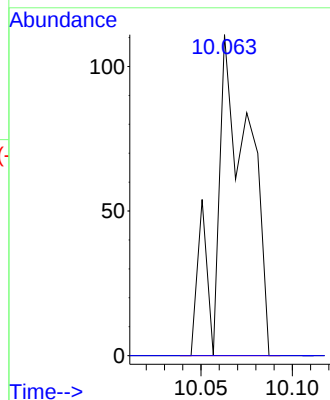
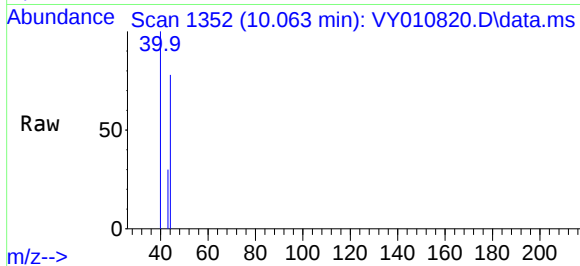




#51
4-Methyl-2-Pentanone
Concen: 1.223 ug/l
RT: 10.063 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

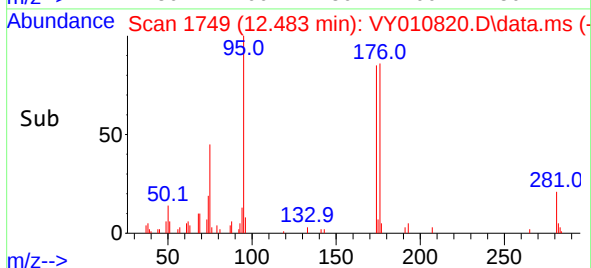
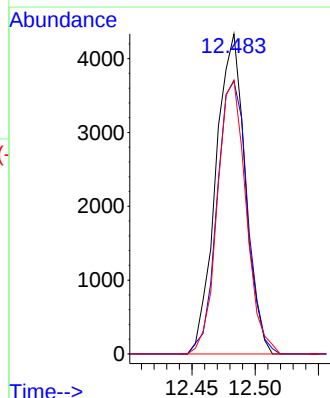
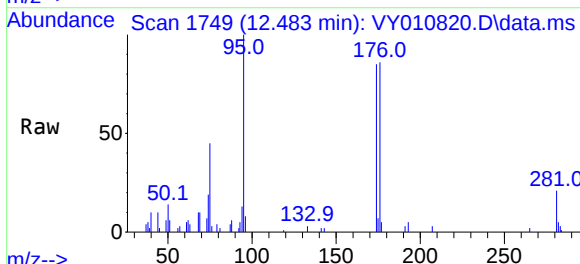
Instrument :
MSVOA_Y
ClientSampleId :
L-1

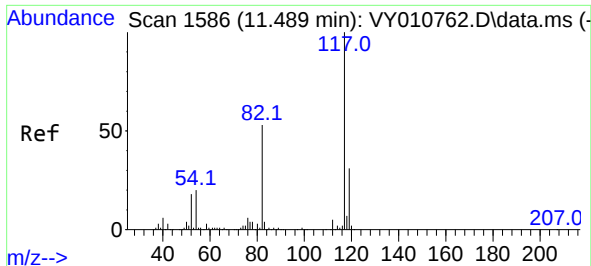
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 30.915 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion: 95 Resp: 6997
Ion Ratio Lower Upper
95 100
174 87.7 0.0 177.0
176 83.2 0.0 175.8

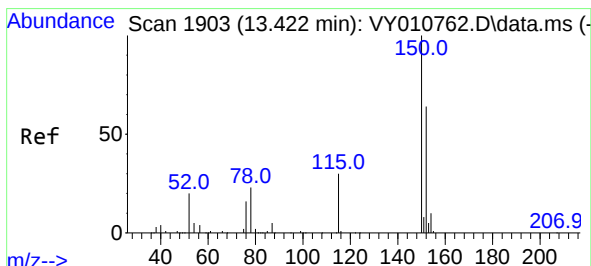
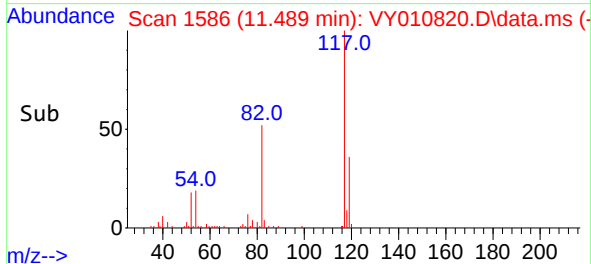
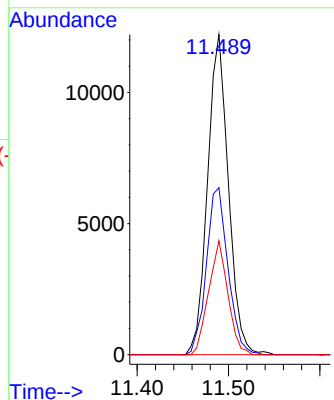
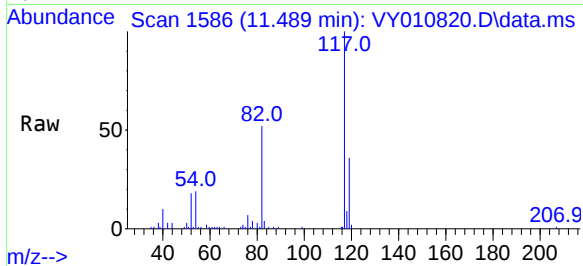




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

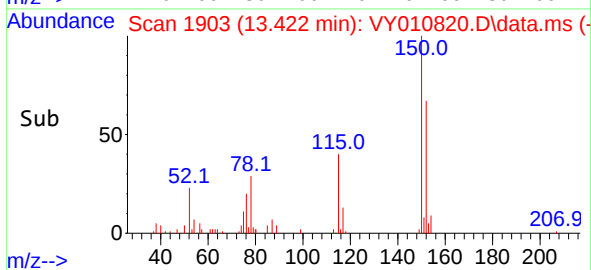
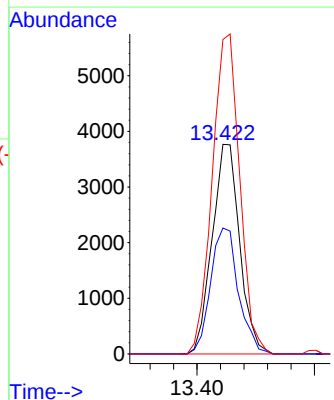
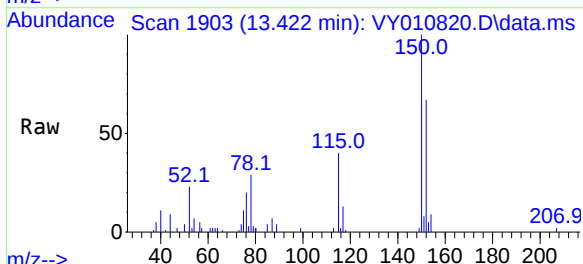
Instrument :
MSVOA_Y
ClientSampleId :
L-1

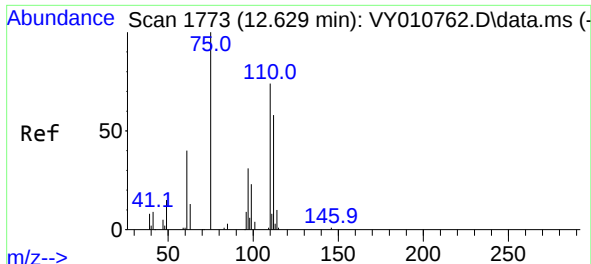
Tgt Ion:	117	Resp:	19322
Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.0	64.4
119	35.6	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion:	152	Resp:	6123
Ion	Ratio	Lower	Upper
152	100		
115	60.9	28.2	84.7
150	152.7	0.0	347.6

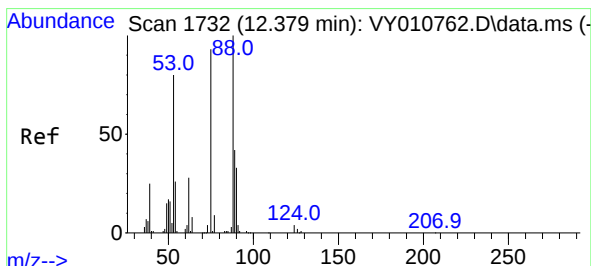
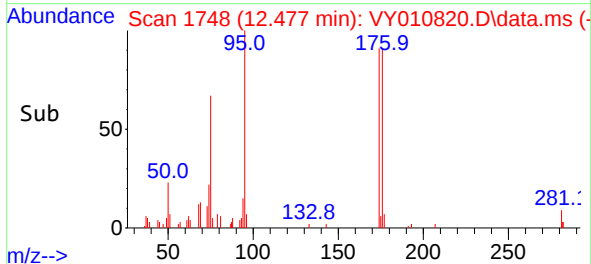
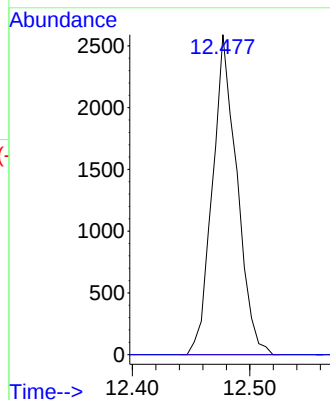
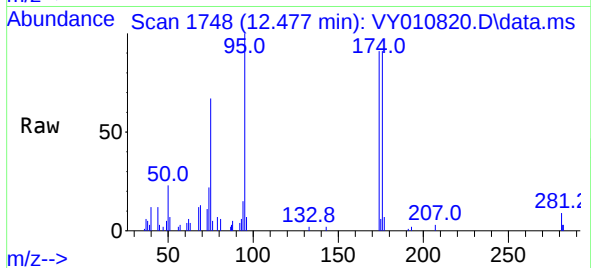




#76
1,2,3-Trichloropropane
Concen: 60.461 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Instrument :
MSVOA_Y
ClientSampleId :
L-1

Tgt Ion: 75 Resp: 3749
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 126.298 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010820.D
Acq: 05 Oct 2022 15:16

Tgt Ion: 75 Resp: 3749
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

