

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010822.D
 Acq On : 05 Oct 2022 16:01
 Operator : KP/MD
 Sample : N5004-02
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22011-18

Quant Time: Oct 06 09:21:11 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)

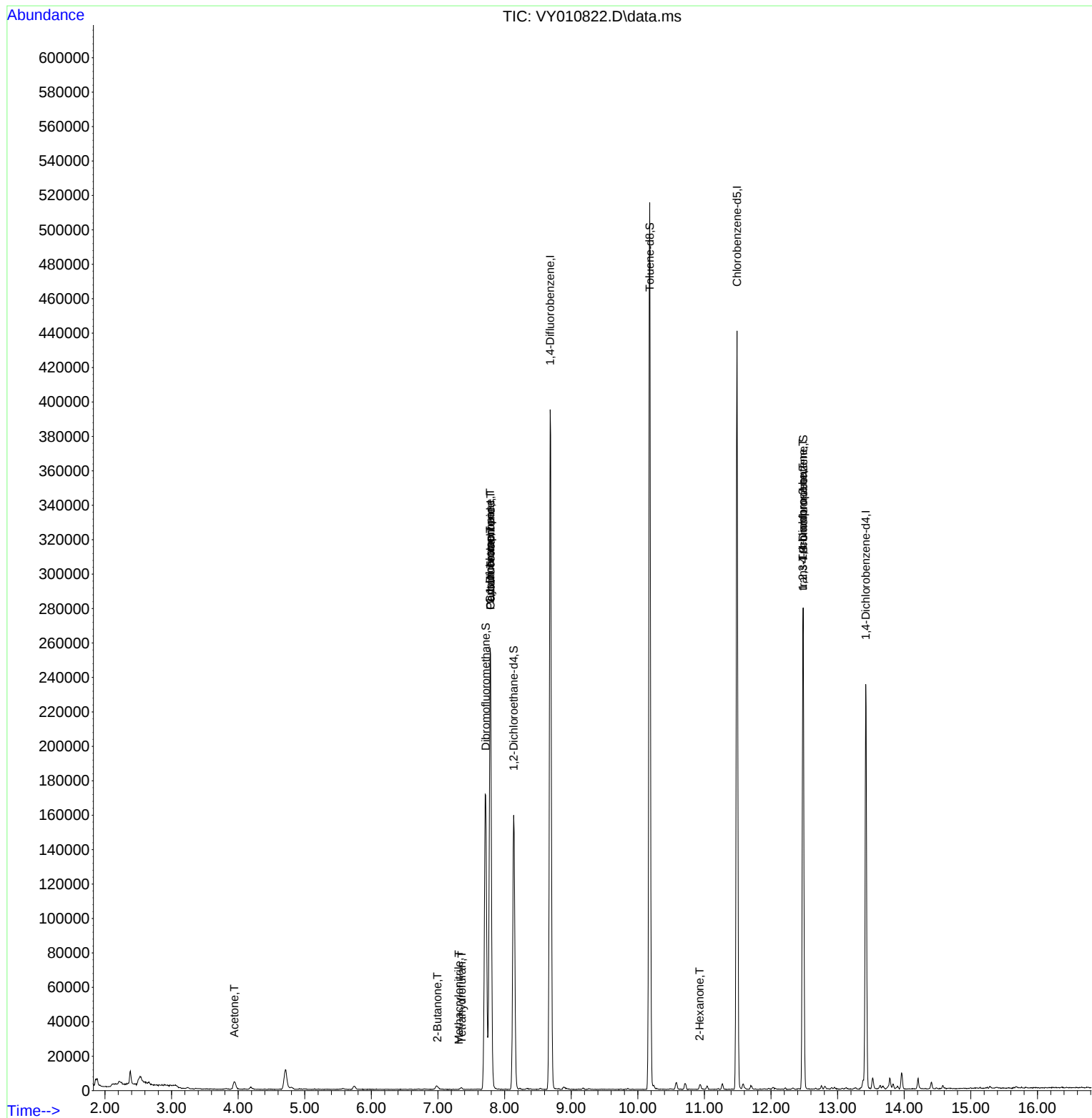
Internal Standards						
1) Pentafluorobenzene	7.789	168	197378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	336130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	234669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123235	61.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.200%	
35) Dibromofluoromethane	7.716	113	124725	55.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.800%	
50) Toluene-d8	10.179	98	338849	44.406	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.820%	
62) 4-Bromofluorobenzene	12.483	95	80214	25.073	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 50.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.923	59	457	Below Cal	#	77
16) Acetone	3.942	43	7938	15.622	ug/l #	87
20) Methylene Chloride	4.710	84	8680	Below Cal		90
25) 2-Butanone	6.990	43	2610	3.573	ug/l #	85
29) Tetrahydrofuran	7.356	42	697	1.622	ug/l	93
31) Cyclohexane	7.783	56	4181	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14909	4.629	ug/l #	50
38) Carbon Tetrachloride	7.789	117	19433	5.792	ug/l #	16
41) Methacrylonitrile	7.313	41	23	2.605	ug/l #	1
59) 2-Hexanone	10.929	43	1167	1.077	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	41562	67.523	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	41562	141.050	ug/l #	7

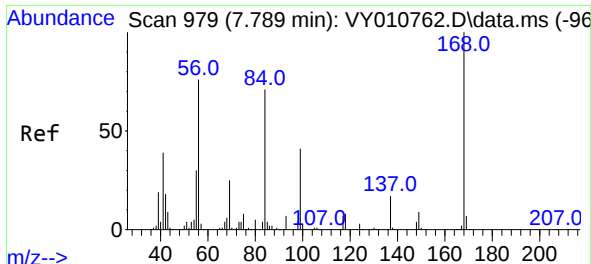
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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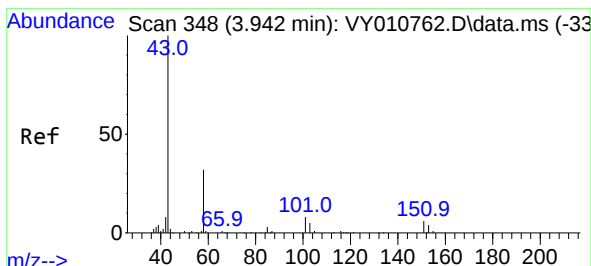
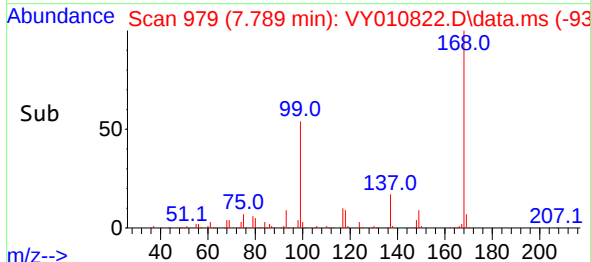
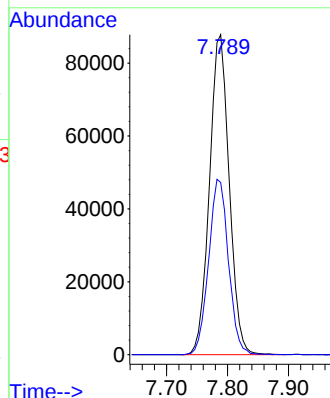
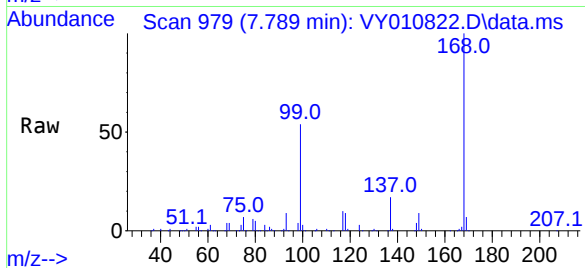




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

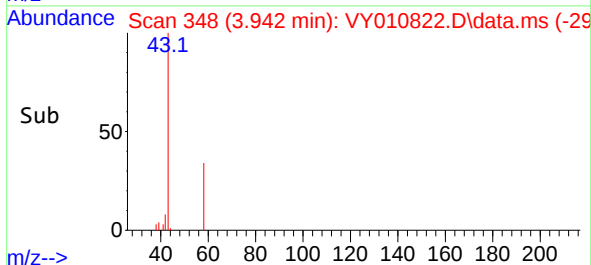
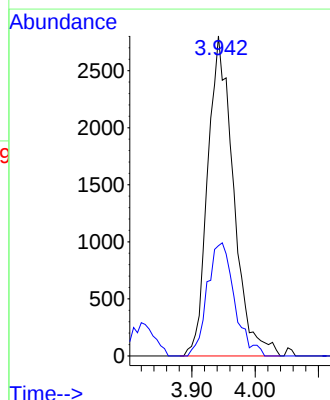
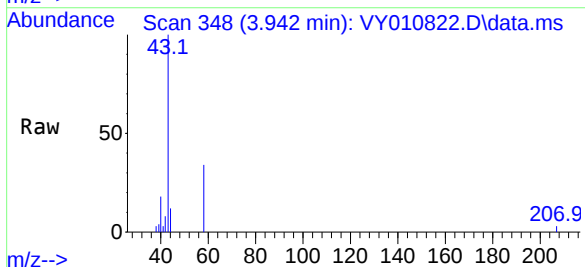
Instrument :
MSVOA_Y
ClientSampleId :
D22011-18

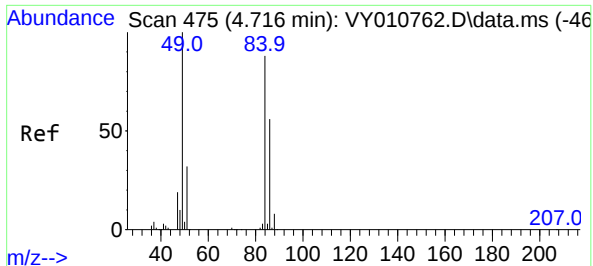
Tgt Ion:168 Resp: 197378
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#16
Acetone
Concen: 15.622 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

Tgt Ion: 43 Resp: 7938
Ion Ratio Lower Upper
43 100
58 34.5 22.0 33.0#



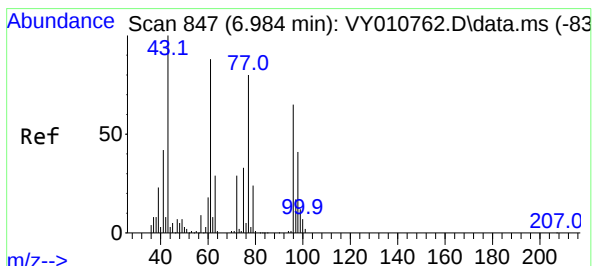
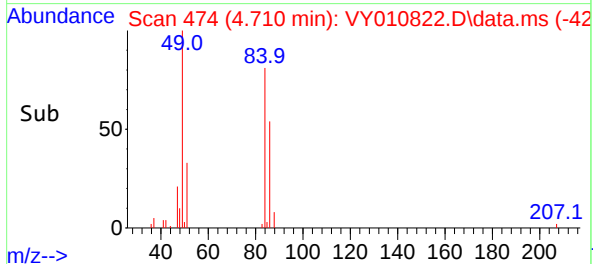
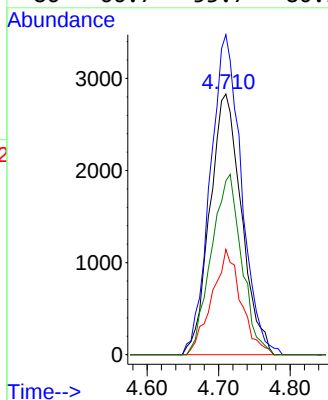
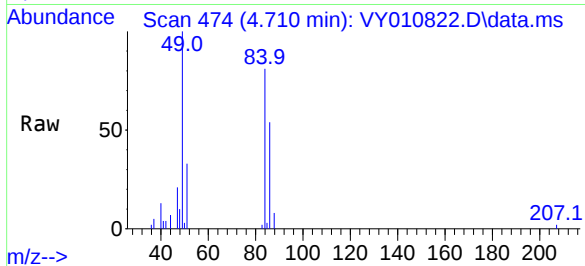


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

Instrument :
MSVOA_Y
ClientSampleId :
D22011-18

Tgt Ion: 84 Resp: 8680

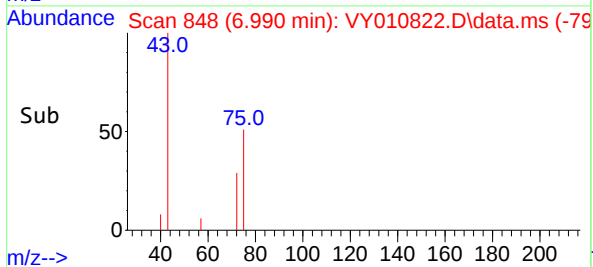
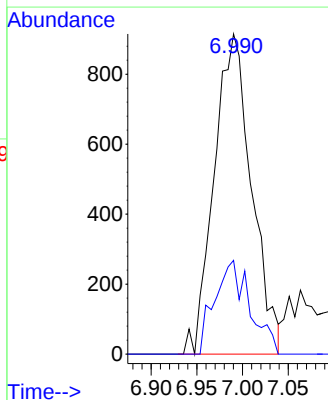
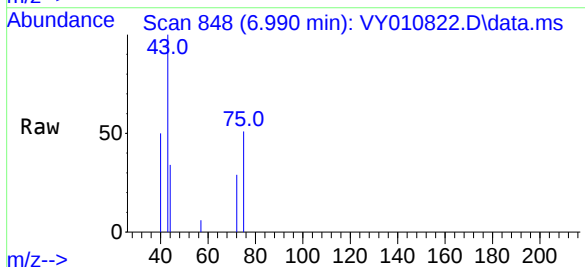
Ion	Ratio	Lower	Upper
84	100		
49	122.8	114.4	171.6
51	40.4	35.3	52.9
86	66.7	53.7	80.5

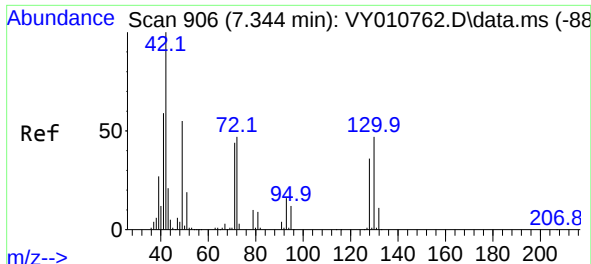


#25
2-Butanone
Concen: 3.573 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

Tgt Ion: 43 Resp: 2610

Ion	Ratio	Lower	Upper
43	100		
72	29.3	17.7	26.5#





#29

Tetrahydrofuran

Concen: 1.622 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY010822.D

Acq: 05 Oct 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

D22011-18

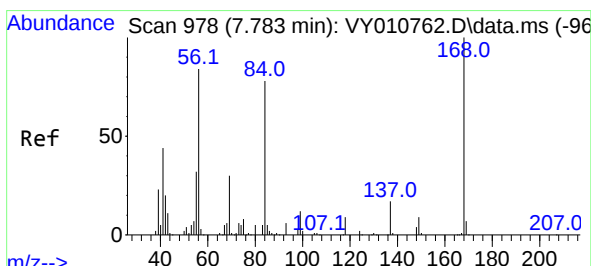
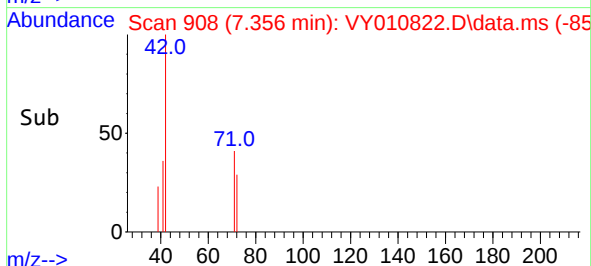
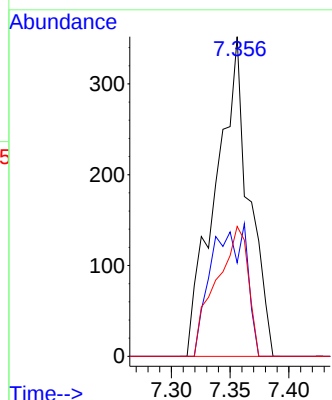
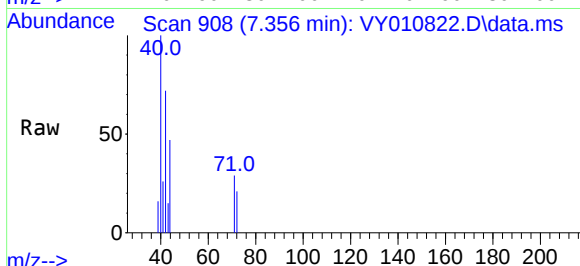
Tgt Ion: 42 Resp: 697

Ion Ratio Lower Upper

42 100

72 43.5 30.3 45.5

71 38.6 29.0 43.4



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010822.D

Acq: 05 Oct 2022 16:01

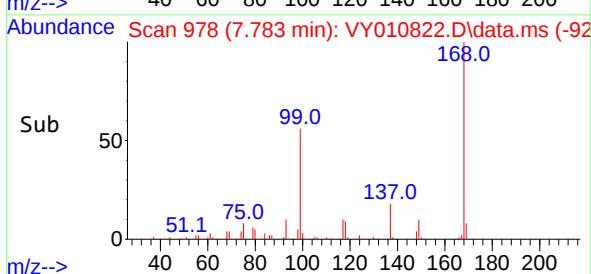
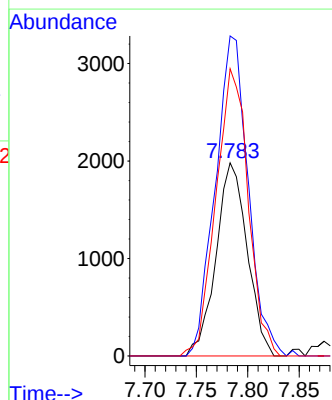
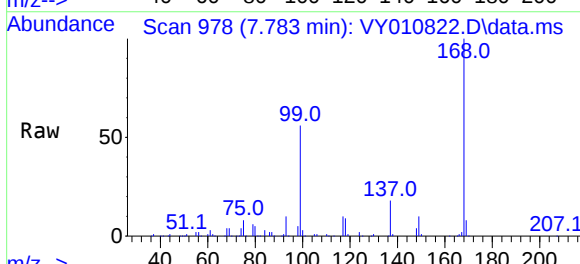
Tgt Ion: 56 Resp: 4181

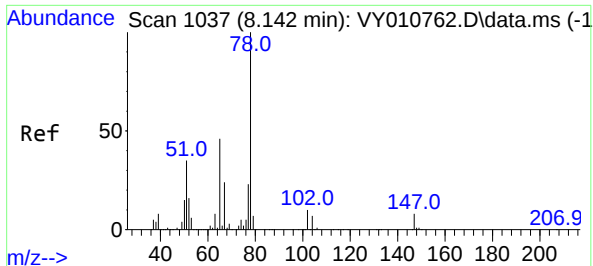
Ion Ratio Lower Upper

56 100

69 165.7 26.7 40.1#

84 148.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.597 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010822.D

Acq: 05 Oct 2022 16:01

Instrument :

MSVOA_Y

ClientSampleId :

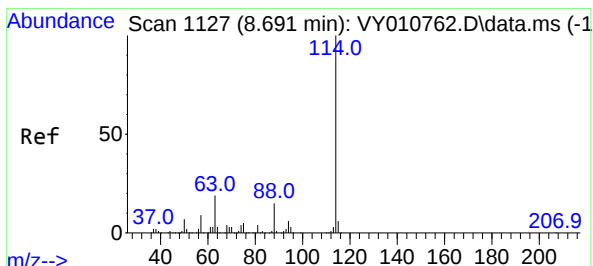
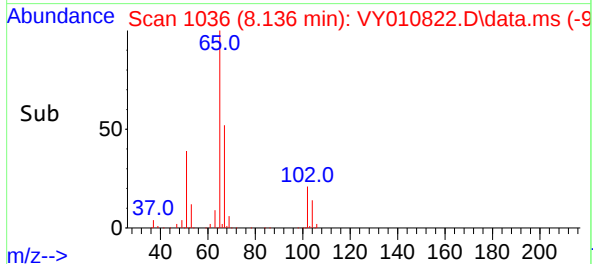
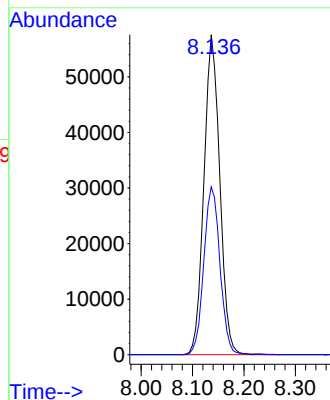
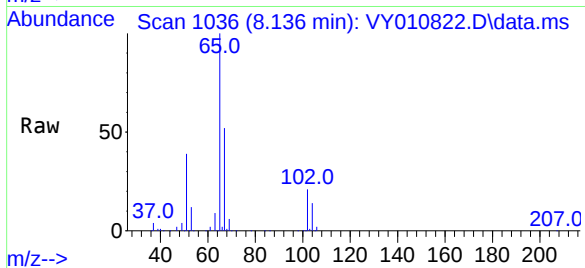
D22011-18

Tgt Ion: 65 Resp: 123235

Ion Ratio Lower Upper

65 100

67 53.4 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: VY010822.D

Acq: 05 Oct 2022 16:01

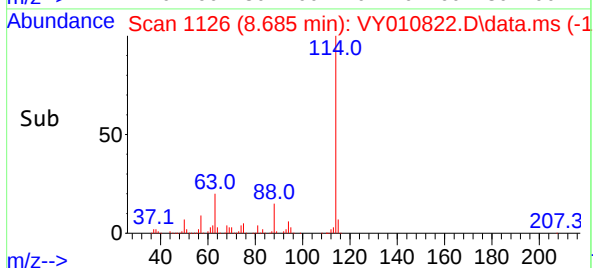
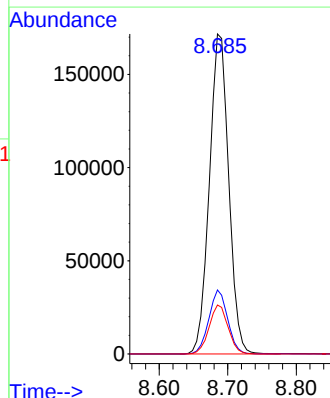
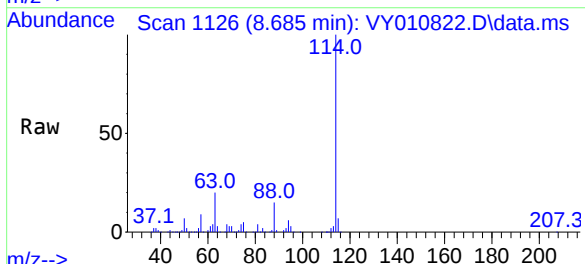
Tgt Ion: 114 Resp: 336130

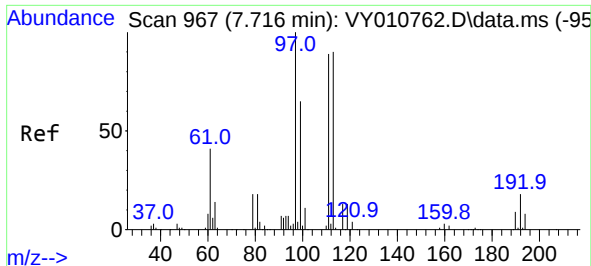
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.3 0.0 31.8

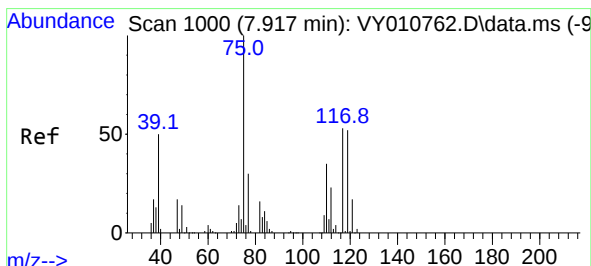
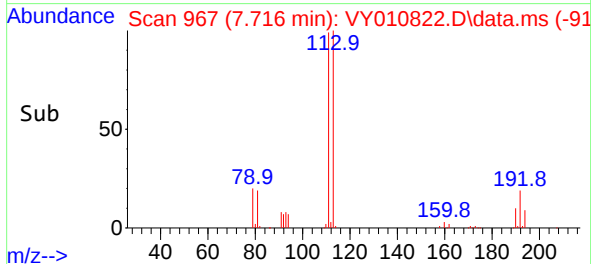
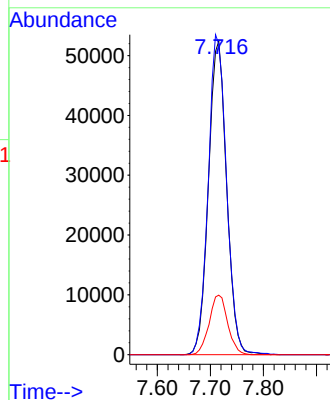
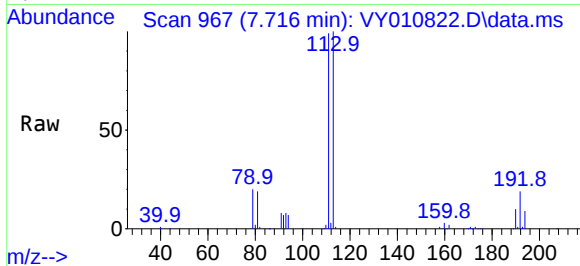




#35
Dibromofluoromethane
Concen: 55.899 ug/l
RT: 7.716 min Scan# 901
Delta R.T. -0.000 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

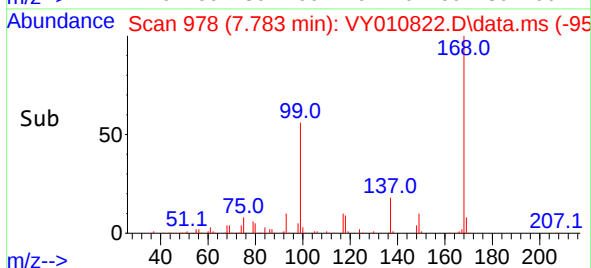
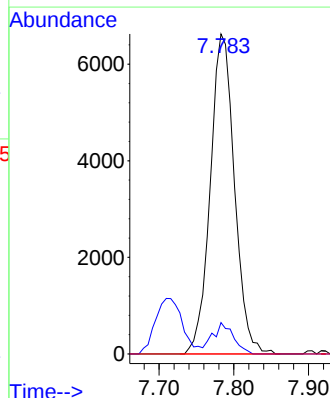
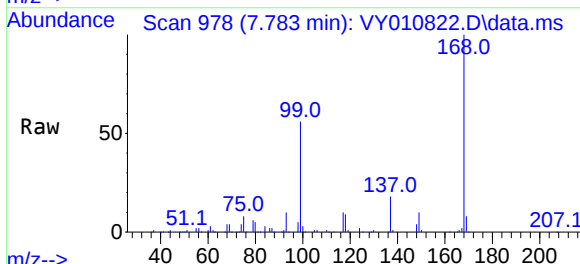
Instrument :
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ClientSampleId :
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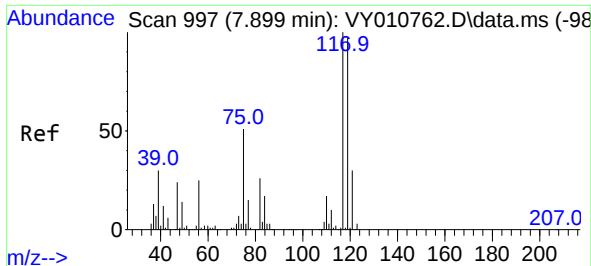
Tgt Ion:113 Resp: 124725
Ion Ratio Lower Upper
113 100
111 102.9 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.629 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

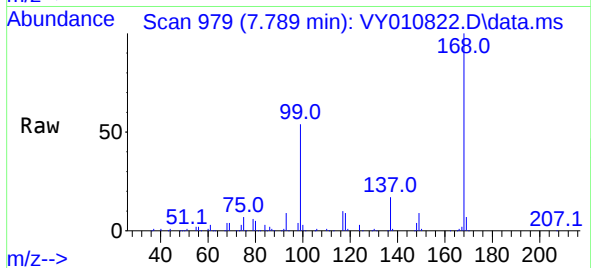
Tgt Ion: 75 Resp: 14909
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#



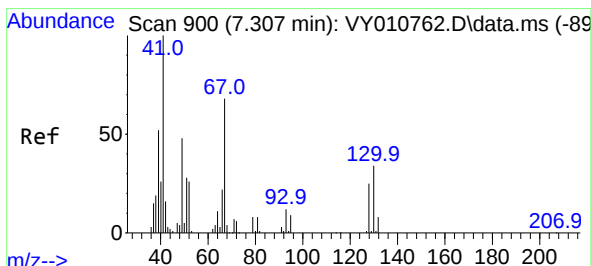
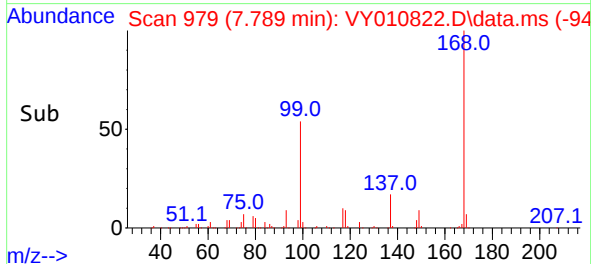
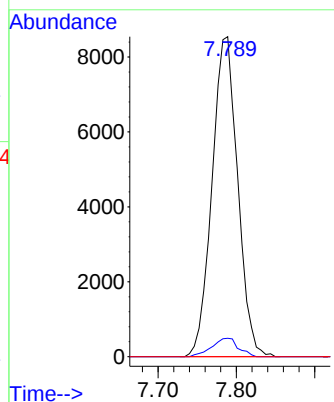


#38
Carbon Tetrachloride
Concen: 5.792 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

Instrument :
MSVOA_Y
ClientSampleId :
D22011-18

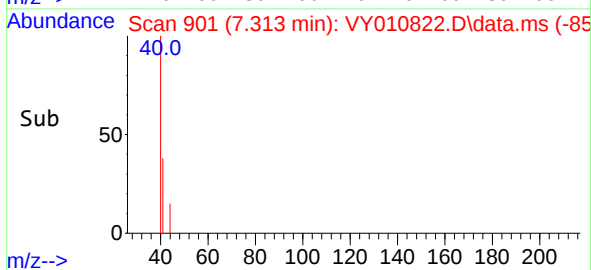
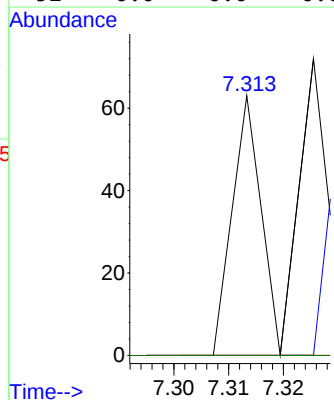
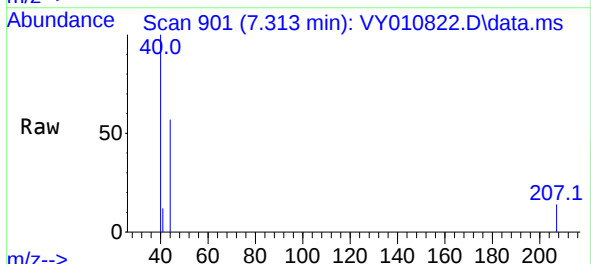


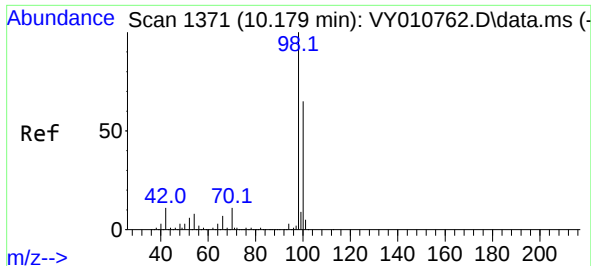
Tgt Ion:117 Resp: 19433
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.605 ug/l
RT: 7.313 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

Tgt Ion: 41 Resp: 23
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

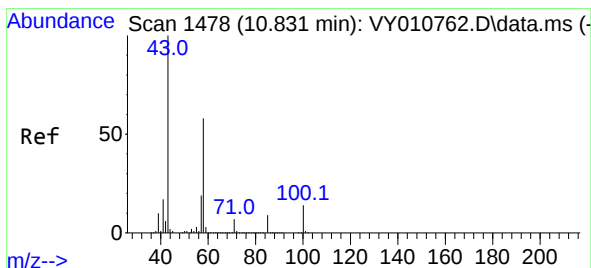
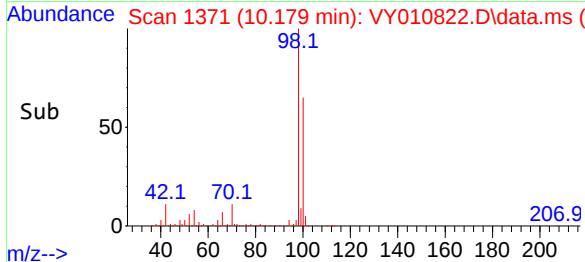
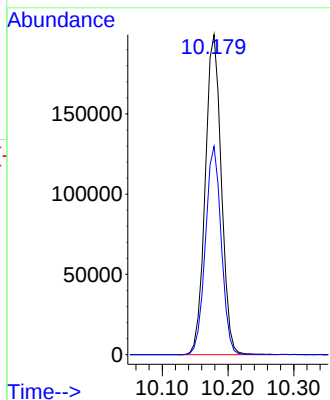
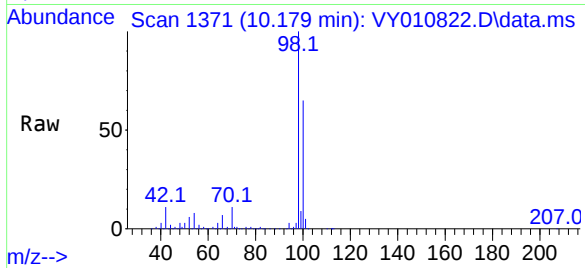




#50
Toluene-d8
Concen: 44.406 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

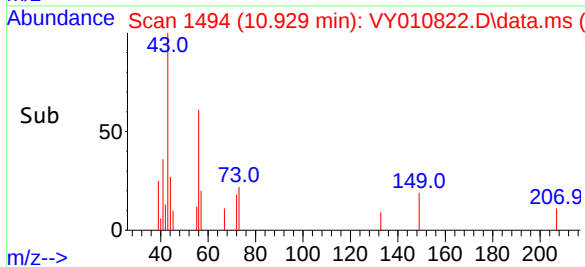
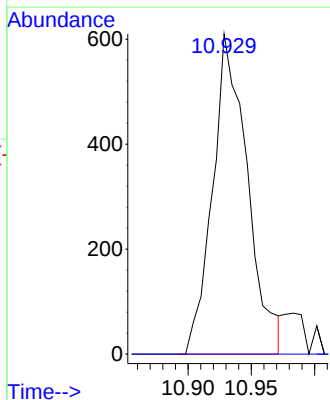
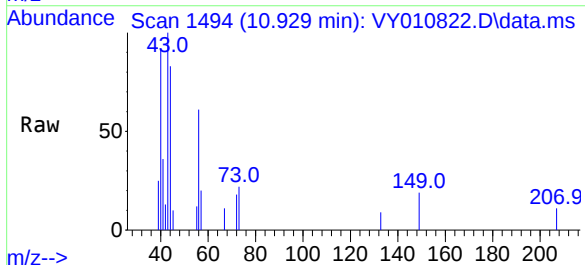
Instrument :
MSVOA_Y
ClientSampleId :
D22011-18

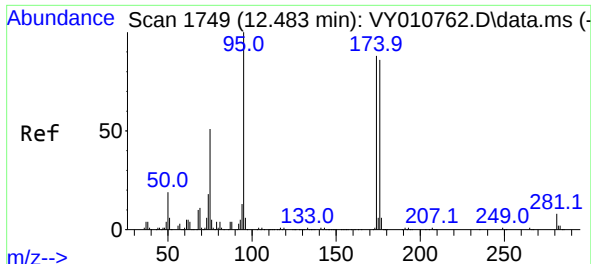
Tgt Ion: 98 Resp: 338849
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



#59
2-Hexanone
Concen: 1.077 ug/l
RT: 10.929 min Scan# 1494
Delta R.T. 0.098 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

Tgt Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

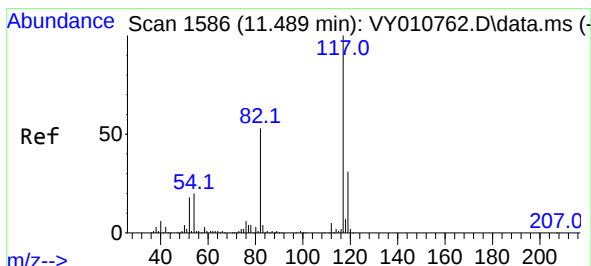
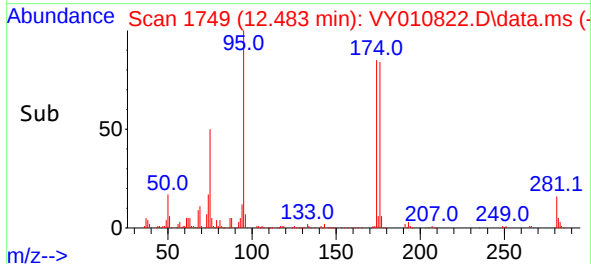
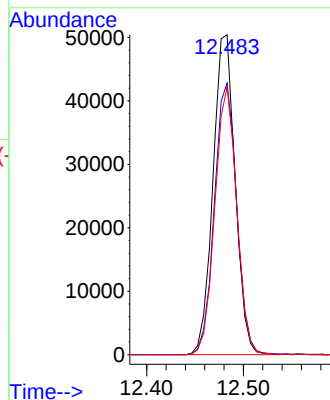
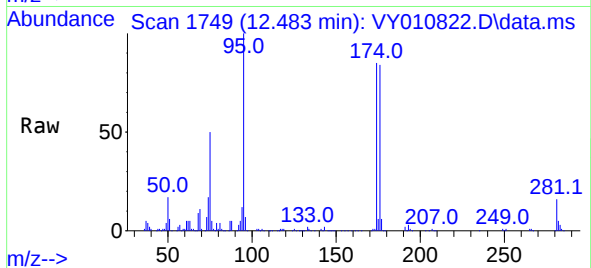




#62
4-Bromofluorobenzene
Concen: 25.073 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

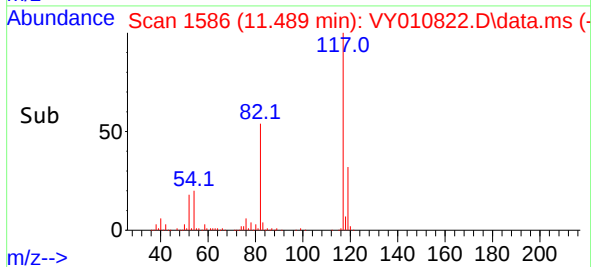
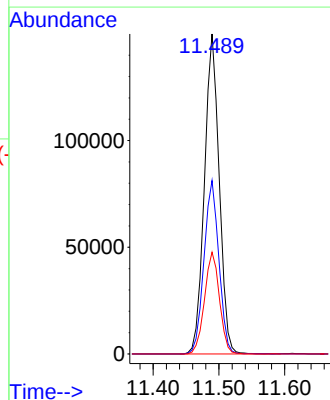
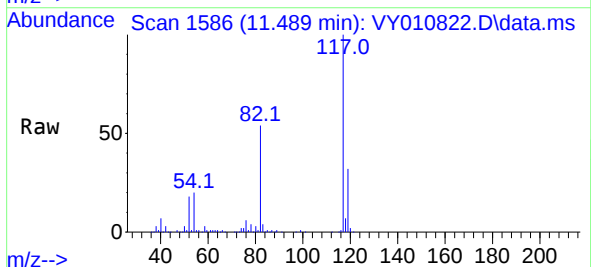
Instrument :
MSVOA_Y
ClientSampleId :
D22011-18

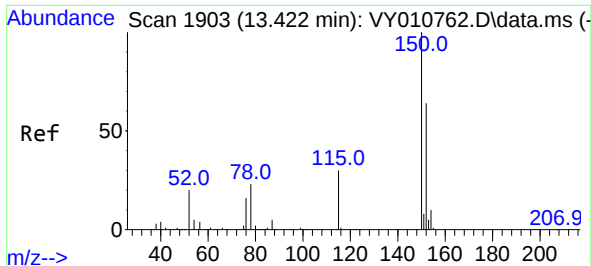
Tgt Ion: 95 Resp: 80214
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 82.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

Tgt Ion: 117 Resp: 234669
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 31.8 25.4 38.0

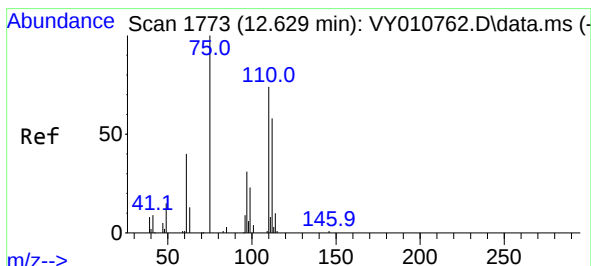
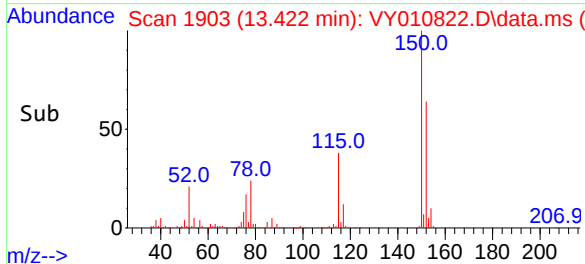
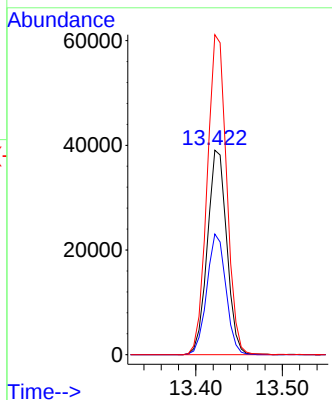
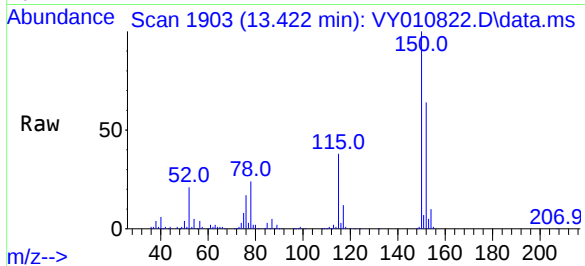




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

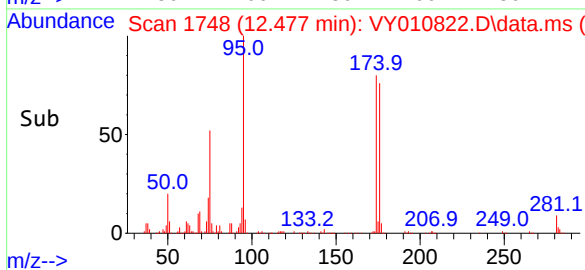
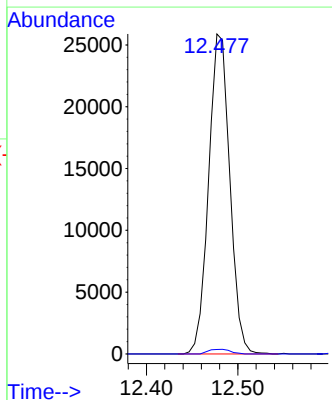
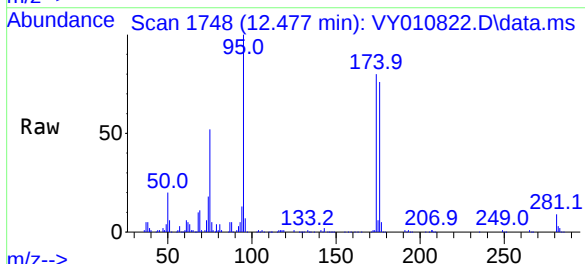
Instrument :
MSVOA_Y
ClientSampleId :
D22011-18

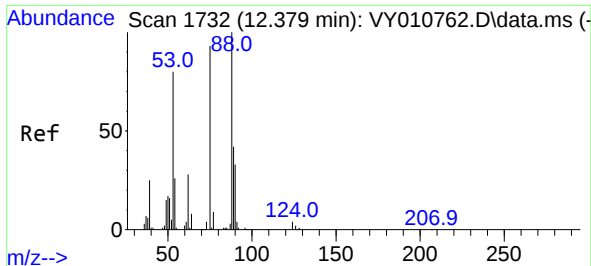
Tgt Ion:152 Resp: 60781
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 156.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 67.523 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010822.D
Acq: 05 Oct 2022 16:01

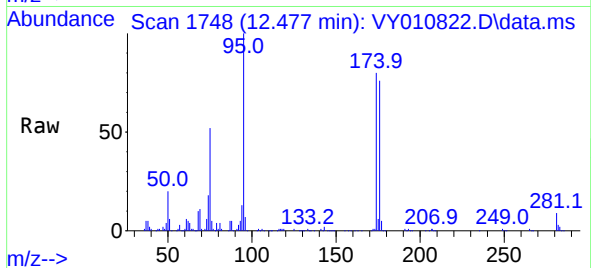
Tgt Ion: 75 Resp: 41562
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 141.050 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY010822.D
 Acq: 05 Oct 2022 16:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22011-18



Tgt Ion: 75 Resp: 41562
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

