

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
 Data File : VY019979.D
 Acq On : 22 Oct 2024 14:23
 Operator : SY/MD
 Sample : P4471-01
 Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 23 01:30:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

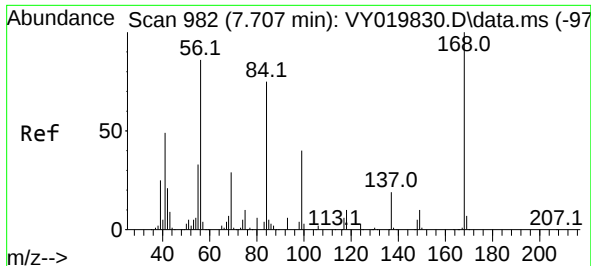
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	272409	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	558411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	507425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187390	55.868	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.740%	
35) Dibromofluoromethane	7.634	113	183888	49.903	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.800%	
50) Toluene-d8	10.103	98	695045	51.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.160%	
62) 4-Bromofluorobenzene	12.402	95	214219	43.568	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 87.140%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.860	59	141	Below Cal	#	88
16) Acetone	3.866	43	3040	3.482	ug/l	94
20) Methylene Chloride	4.616	84	18410	4.980	ug/l #	81
29) Tetrahydrofuran	7.262	42	1041	1.560	ug/l #	72
31) Cyclohexane	7.695	56	11855	2.115	ug/l #	70
36) 1,1-Dichloropropene	7.707	75	25793	4.859	ug/l #	47
38) Carbon Tetrachloride	7.713	117	32559	5.721	ug/l #	16
39) Methylcyclohexane	9.116	83	6955	1.040	ug/l	90
52) Toluene	10.170	92	24355	2.429	ug/l	97
68) m/p-Xylenes	11.621	106	20990	2.696	ug/l	92
69) o-Xylene	11.950	106	8735	1.168	ug/l	78
76) 1,2,3-Trichloropropane	12.402	75	121934	34.919	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	121934	140.948	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	38093	3.173	ug/l	96

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

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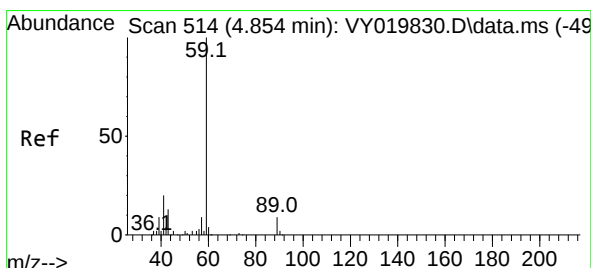
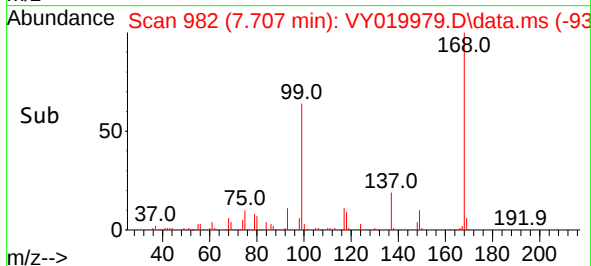
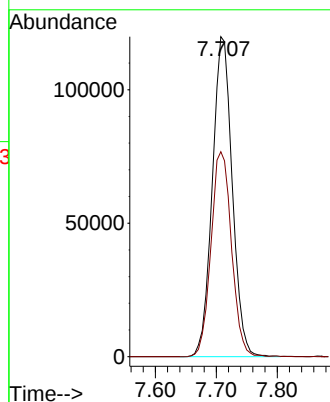
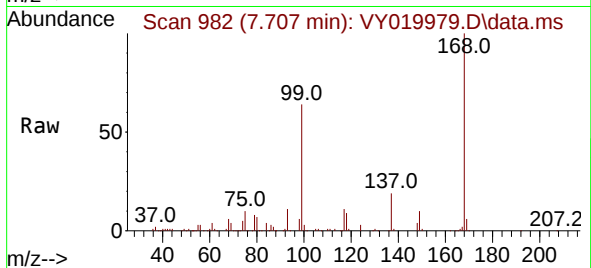




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

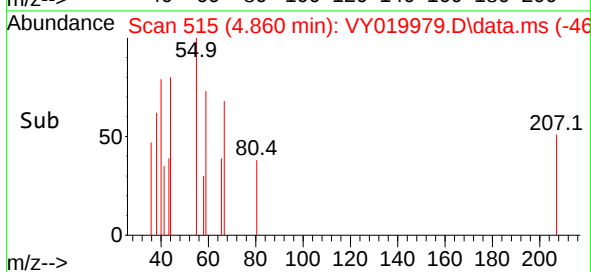
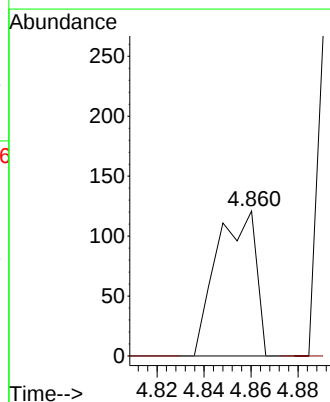
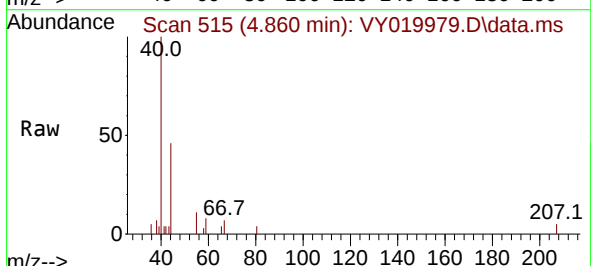
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 272409
Ion Ratio Lower Upper
168 100
99 64.1 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

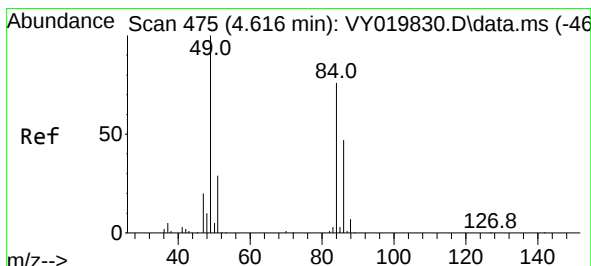
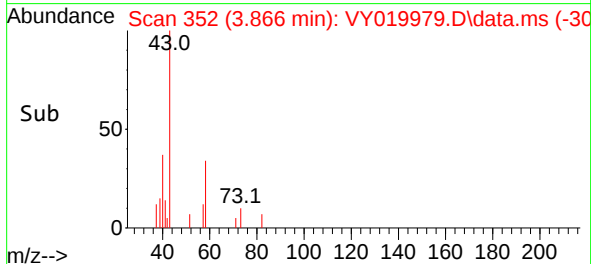
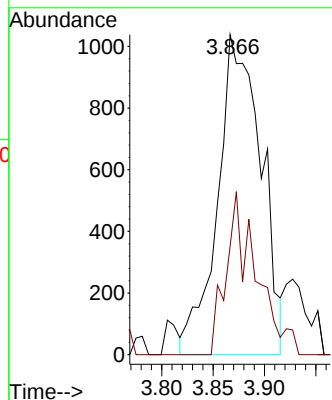
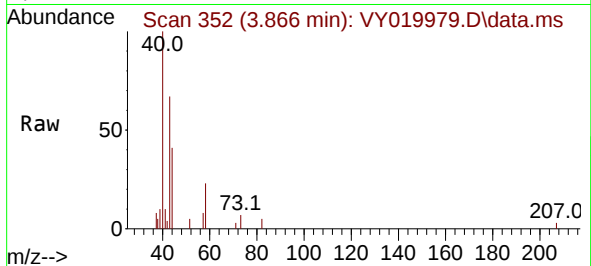




#16
Acetone
Concen: 3.482 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

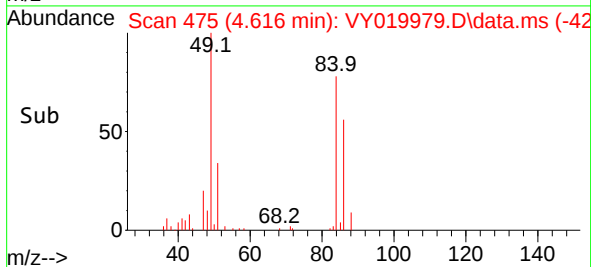
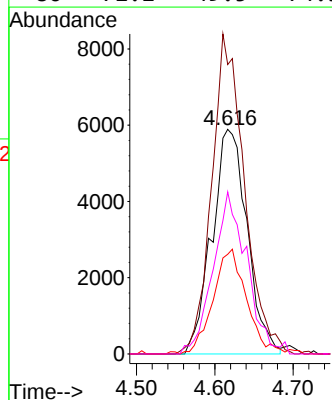
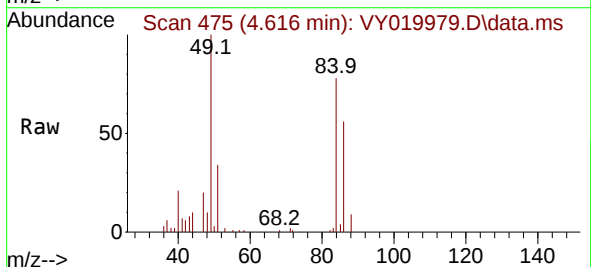
Instrument :
MSVOA_Y
ClientSampleId :

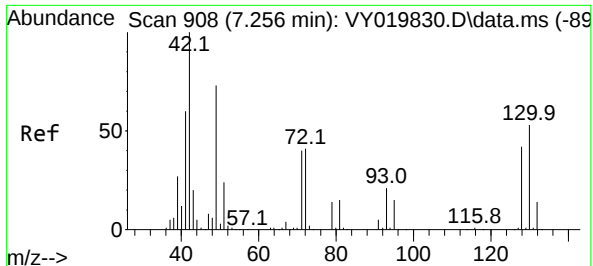
Tgt Ion: 43 Resp: 3040
Ion Ratio Lower Upper
43 100
58 35.8 31.7 47.5



#20
Methylene Chloride
Concen: 4.980 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 84 Resp: 18410
Ion Ratio Lower Upper
84 100
49 127.7 84.4 126.6#
51 44.4 26.0 39.0#
86 72.2 49.5 74.3

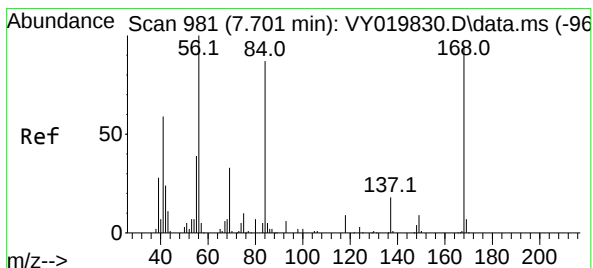
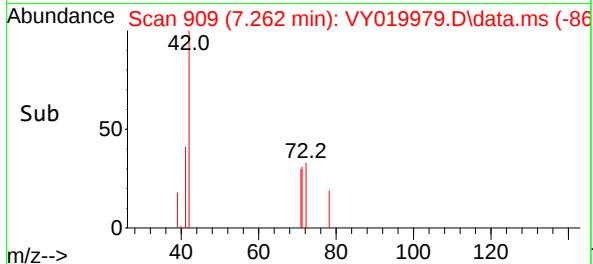
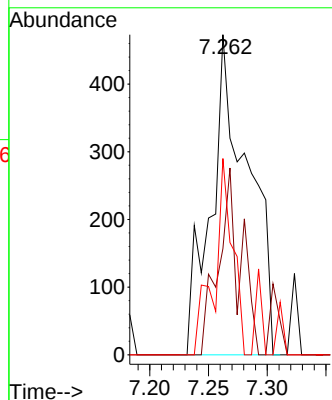
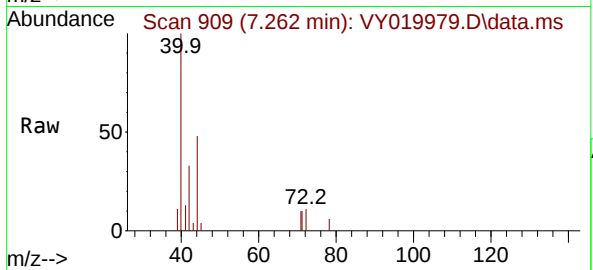




#29
Tetrahydrofuran
Concen: 1.560 ug/l
RT: 7.262 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

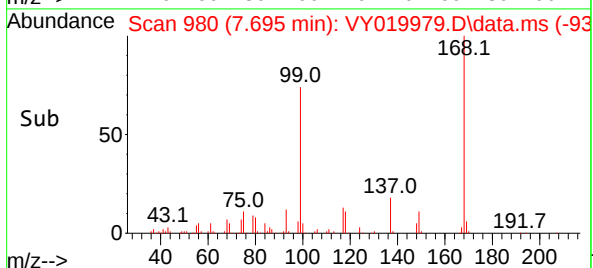
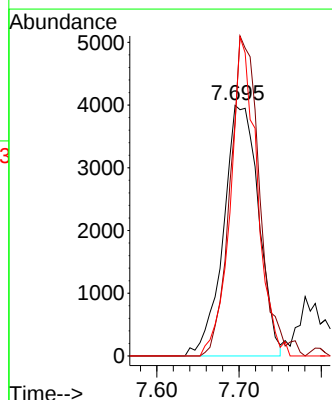
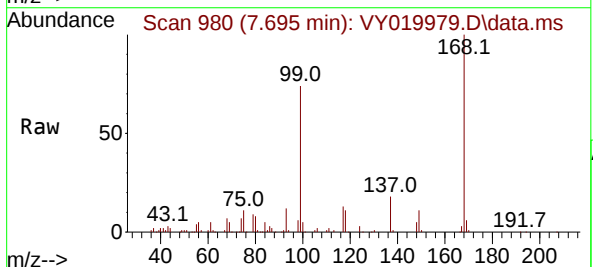
Instrument :
MSVOA_Y
ClientSampleId :

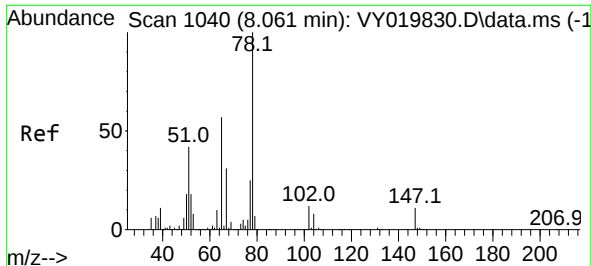
Tgt Ion: 42 Resp: 1041
Ion Ratio Lower Upper
42 100
72 34.8 43.0 64.4#
71 30.5 40.8 61.2#



#31
Cyclohexane
Concen: 2.115 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 56 Resp: 11855
Ion Ratio Lower Upper
56 100
69 93.3 28.7 43.1#
84 92.6 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 55.868 ug/l

RT: 8.061 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019979.D

Acq: 22 Oct 2024 14:23

Instrument :

MSVOA_Y

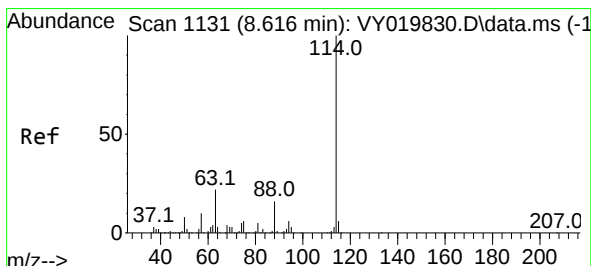
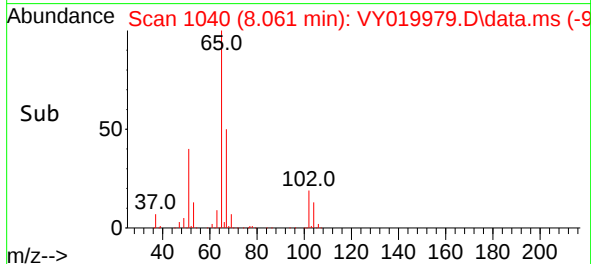
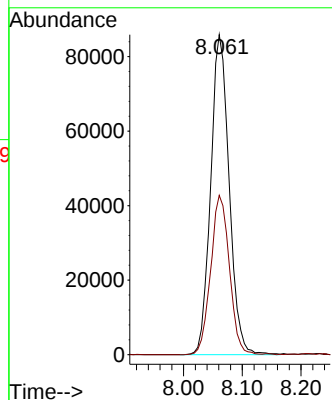
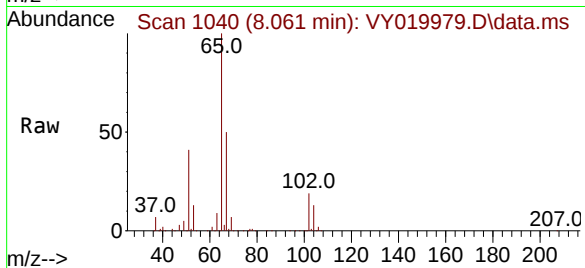
ClientSampleId :

Tgt Ion: 65 Resp: 187390

Ion Ratio Lower Upper

65 100

67 50.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019979.D

Acq: 22 Oct 2024 14:23

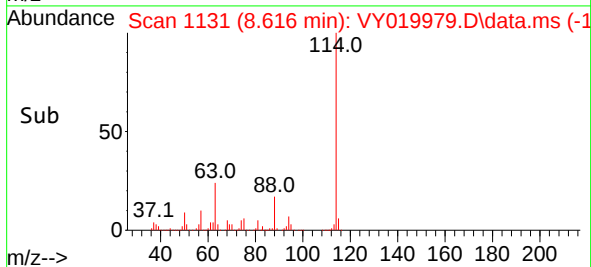
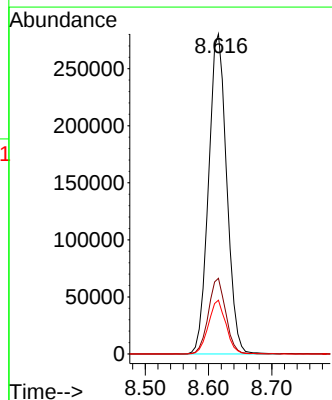
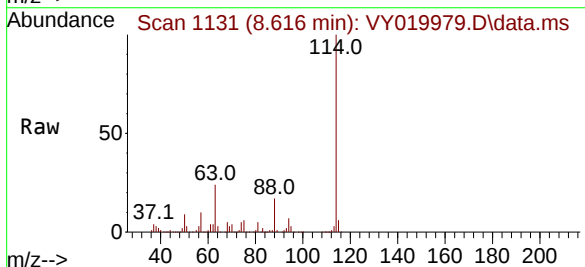
Tgt Ion: 114 Resp: 558411

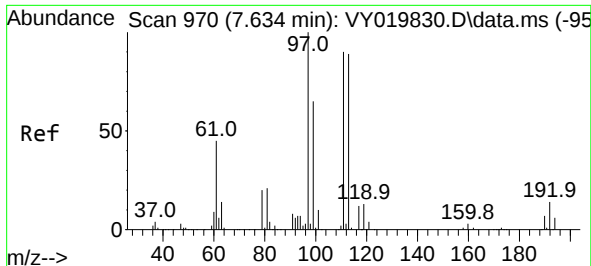
Ion Ratio Lower Upper

114 100

63 23.7 0.0 35.0

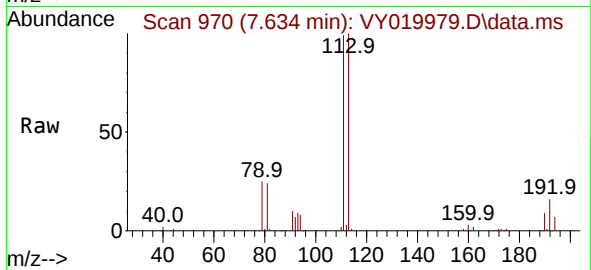
88 16.8 0.0 27.2



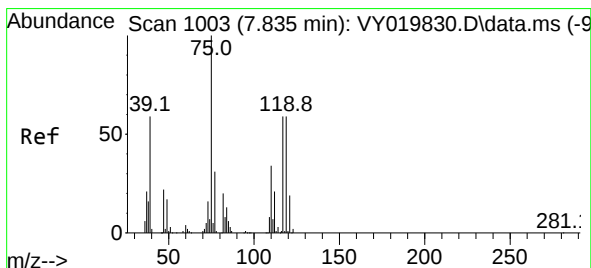
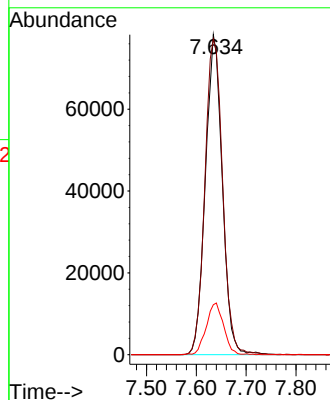
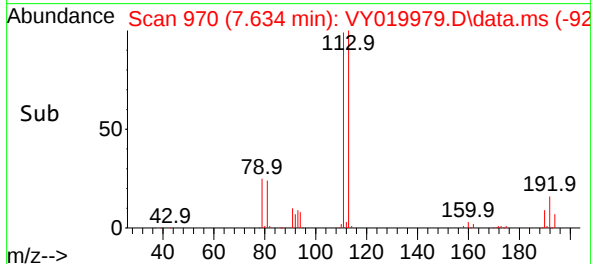


#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

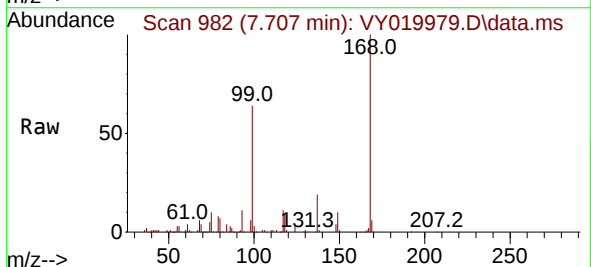
Instrument :
MSVOA_Y
ClientSampleId :



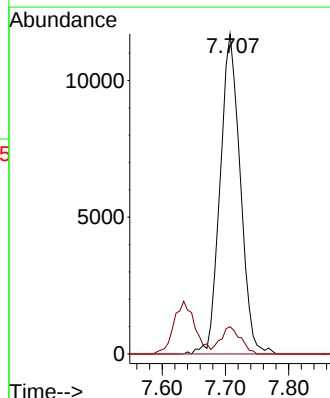
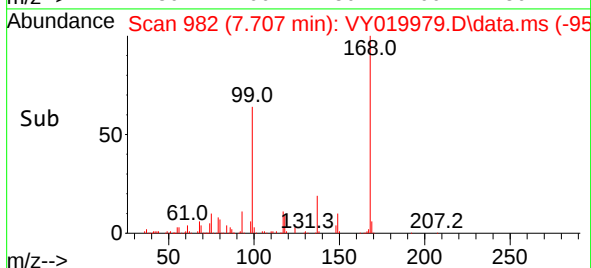
Tgt Ion:113 Resp: 183888
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 16.7 15.9 23.9

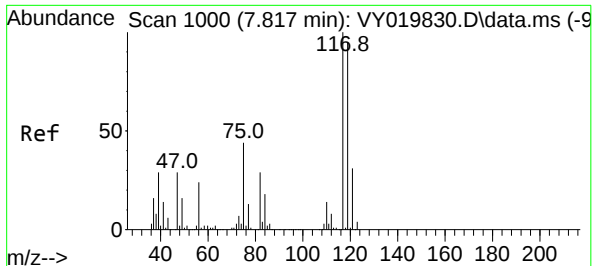


#36
1,1-Dichloropropene
Concen: 4.859 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23



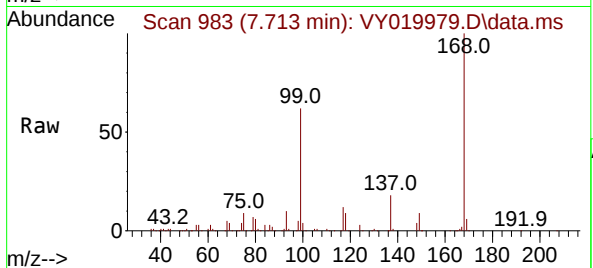
Tgt Ion: 75 Resp: 25793
Ion Ratio Lower Upper
75 100
110 8.4 19.0 57.0#
77 0.0 25.3 37.9#



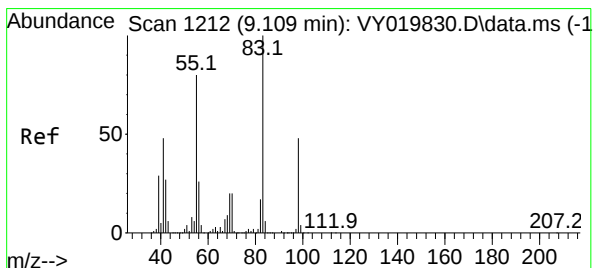
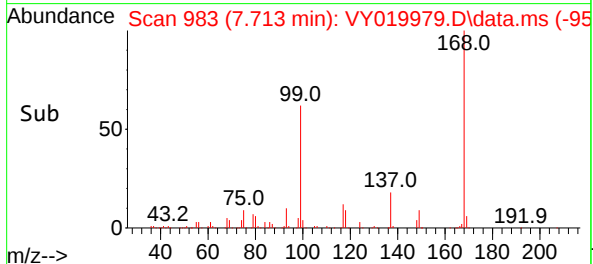
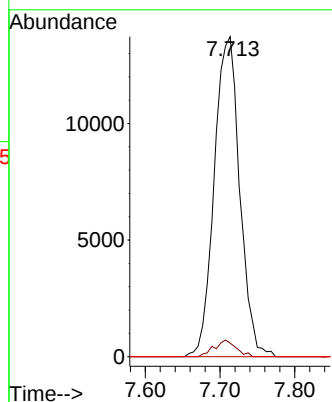


#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :

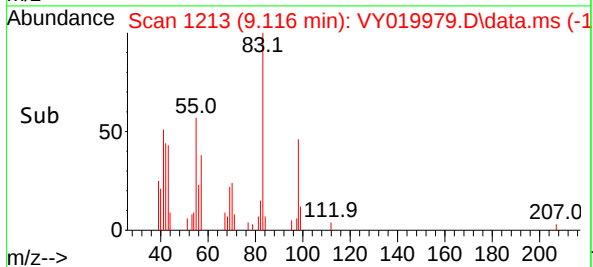
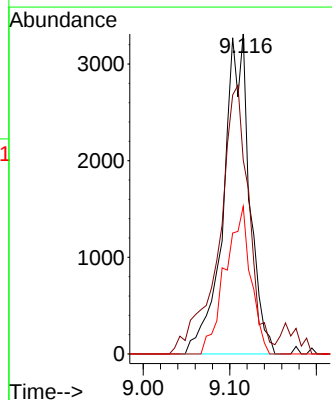
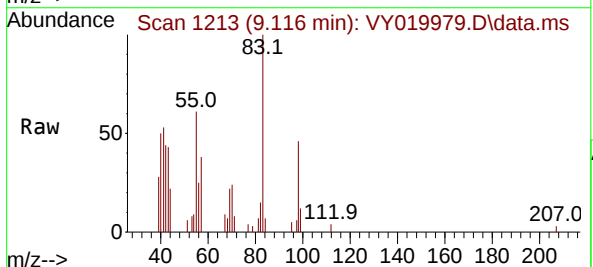


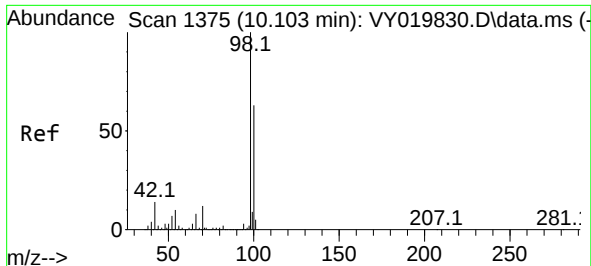
Tgt Ion:117 Resp: 32559
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.0 36.0#



#39
Methylcyclohexane
Concen: 1.040 ug/l
RT: 9.116 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 83 Resp: 6955
Ion Ratio Lower Upper
83 100
55 55.1 51.5 77.3
98 46.1 40.5 60.7

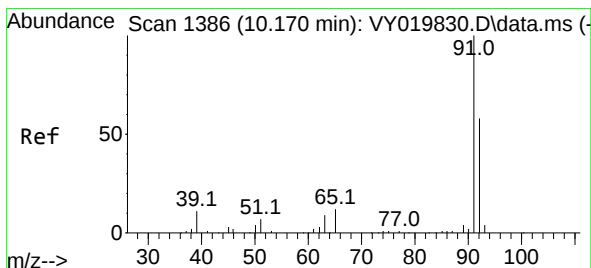
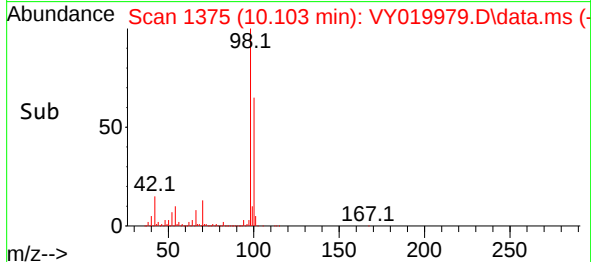
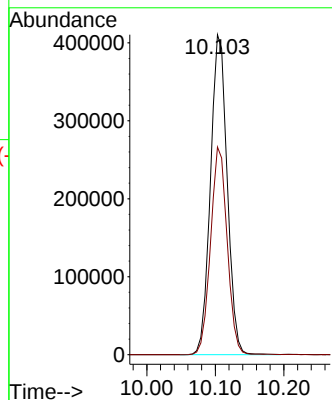
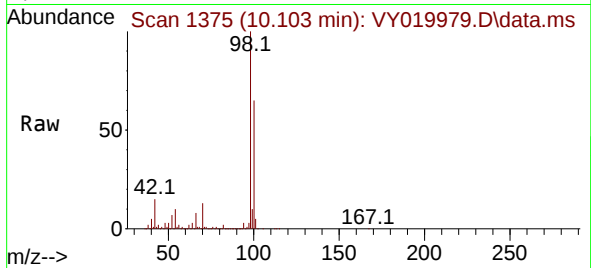




#50
Toluene-d8
Concen: 51.077 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

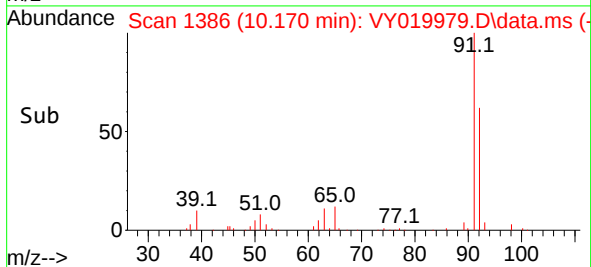
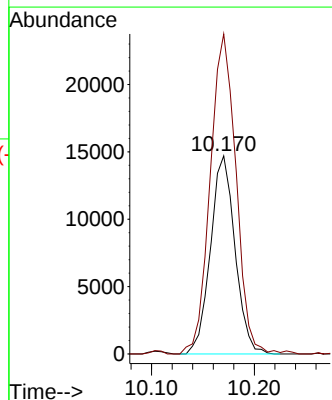
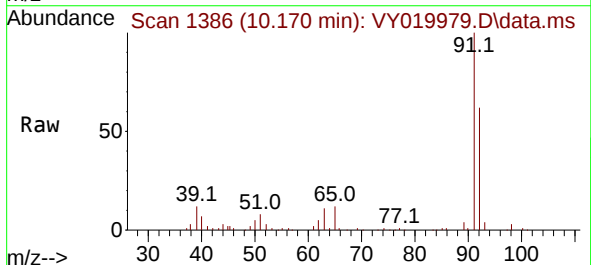
Instrument :
MSVOA_Y
ClientSampleId :

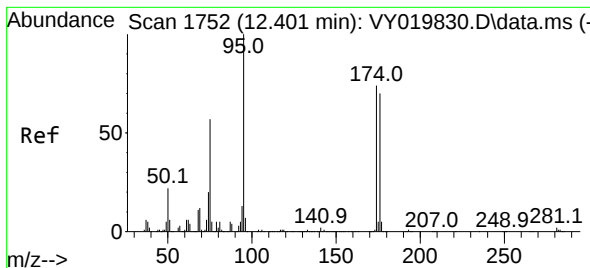
Tgt Ion: 98 Resp: 695045
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#52
Toluene
Concen: 2.429 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 92 Resp: 24355
Ion Ratio Lower Upper
92 100
91 170.1 139.0 208.6

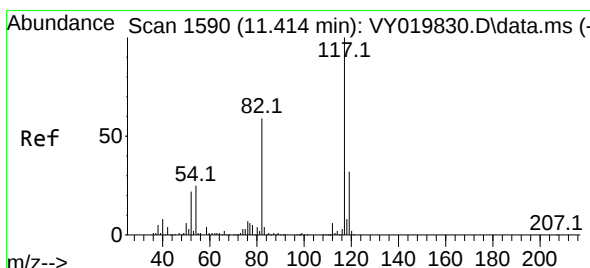
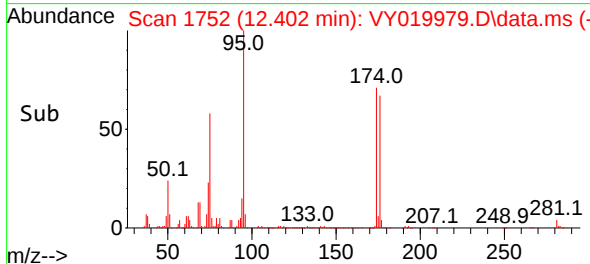
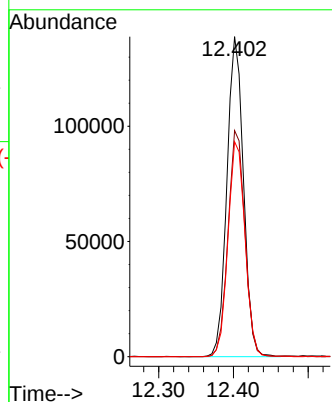
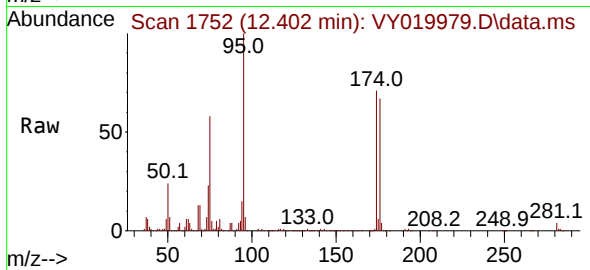




#62
4-Bromofluorobenzene
Concen: 43.568 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

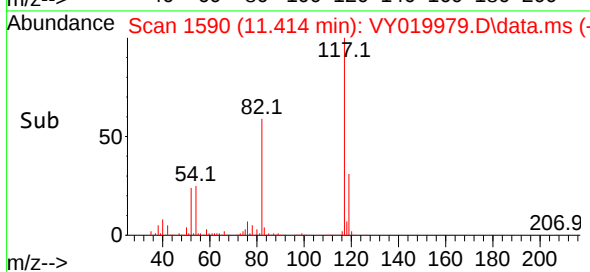
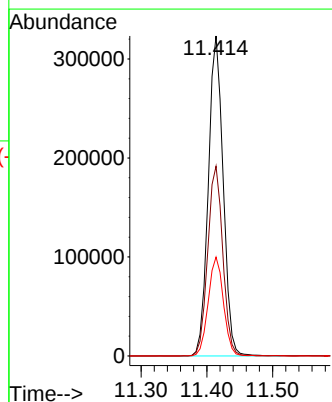
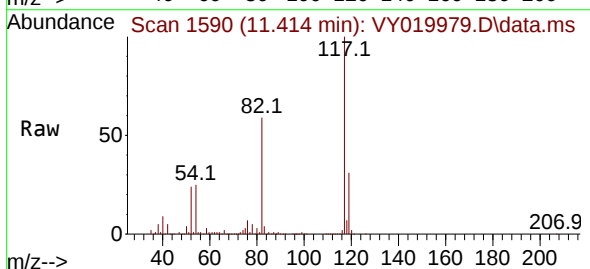
Instrument :
MSVOA_Y
ClientSampleId :

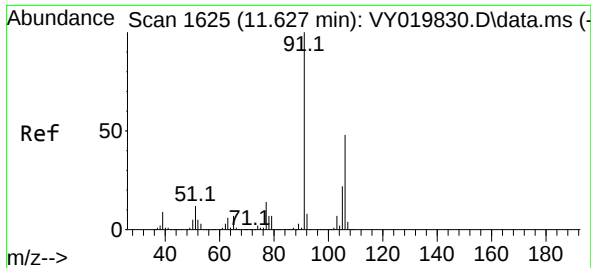
Tgt Ion: 95 Resp: 214219
Ion Ratio Lower Upper
95 100
174 72.0 0.0 175.6
176 69.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 117 Resp: 507425
Ion Ratio Lower Upper
117 100
82 59.3 42.4 63.6
119 30.9 25.9 38.9

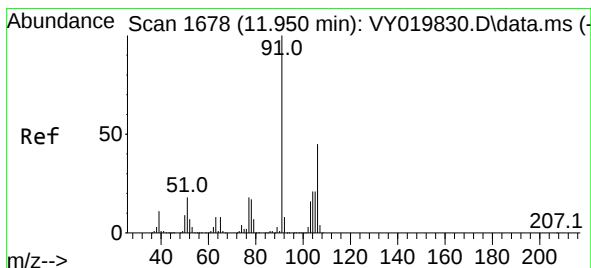
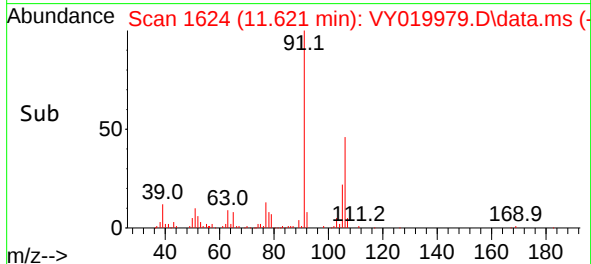
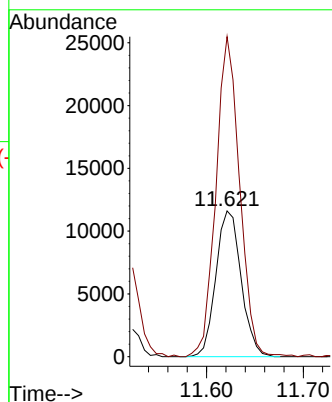
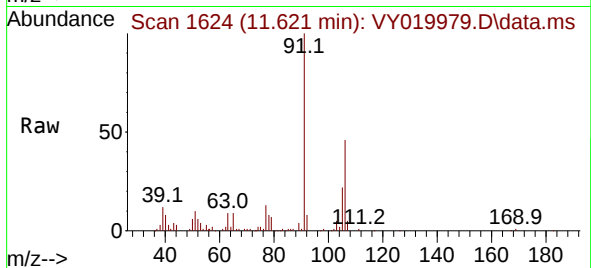




#68
m/p-Xylenes
Concen: 2.696 ug/l
RT: 11.621 min Scan# 11624
Delta R.T. -0.012 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

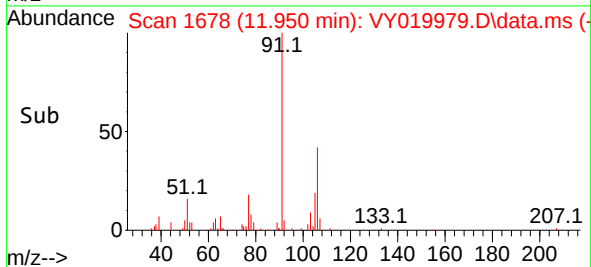
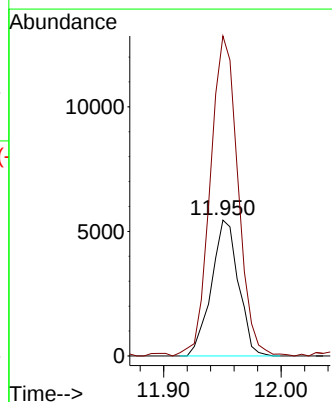
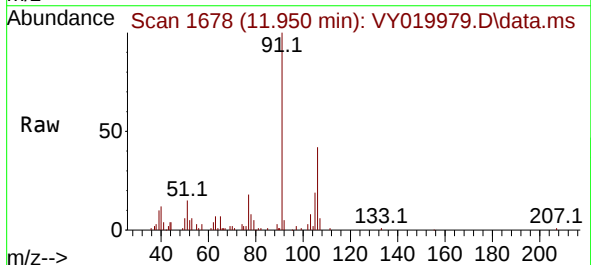
Instrument :
MSVOA_Y
ClientSampleId :

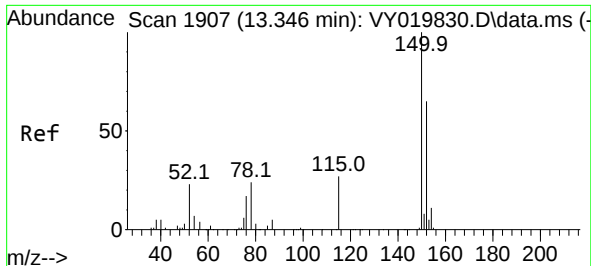
Tgt Ion:106 Resp: 20990
Ion Ratio Lower Upper
106 100
91 206.6 156.0 234.0



#69
o-Xylene
Concen: 1.168 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion:106 Resp: 8735
Ion Ratio Lower Upper
106 100
91 240.9 103.6 310.8

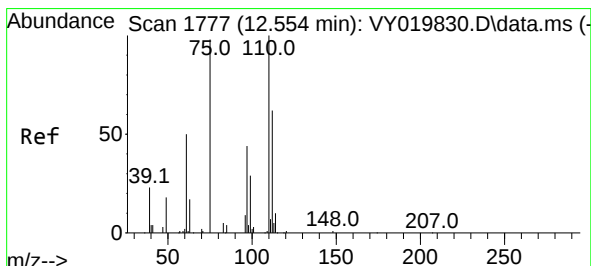
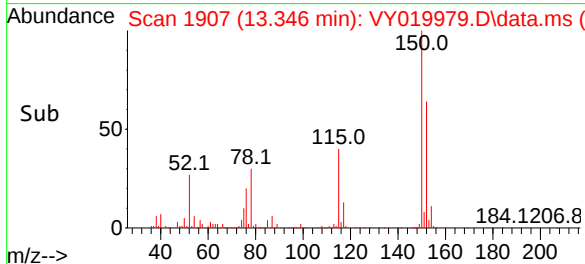
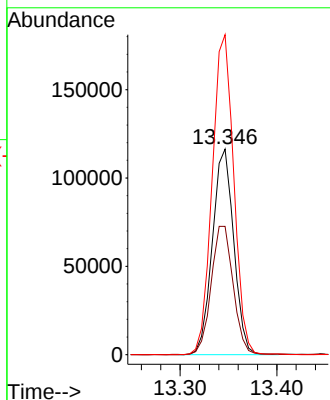
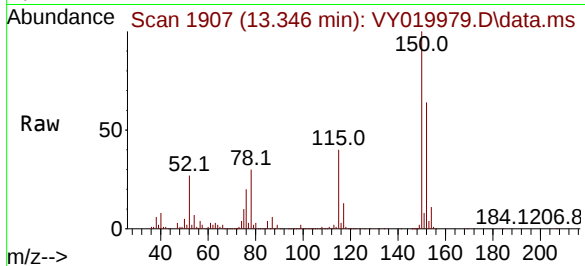




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019979.D
 Acq: 22 Oct 2024 14:23

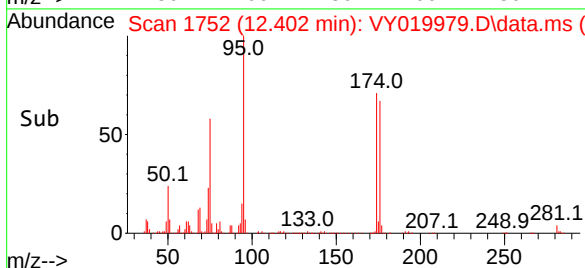
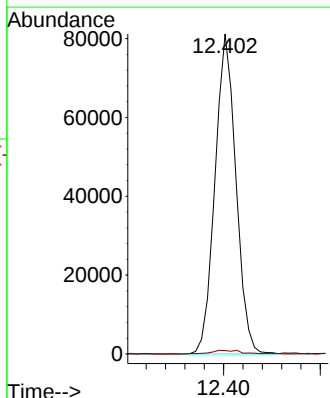
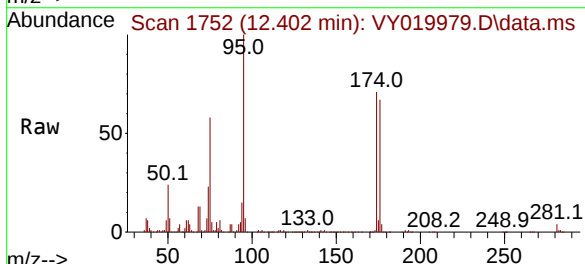
Instrument :
 MSVOA_Y
 ClientSampleId :

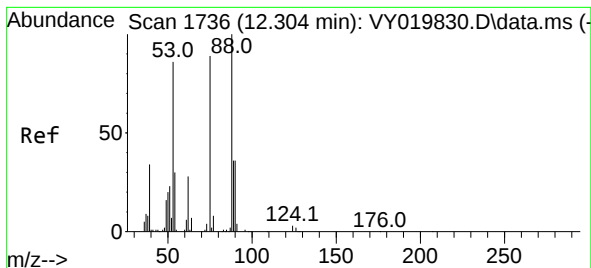
Tgt Ion:152 Resp: 178248
 Ion Ratio Lower Upper
 152 100
 115 64.4 28.2 84.7
 150 157.0 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 34.919 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY019979.D
 Acq: 22 Oct 2024 14:23

Tgt Ion: 75 Resp: 121934
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

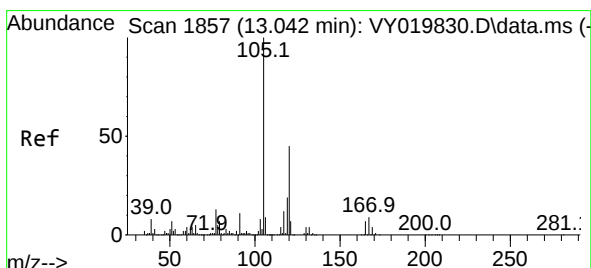
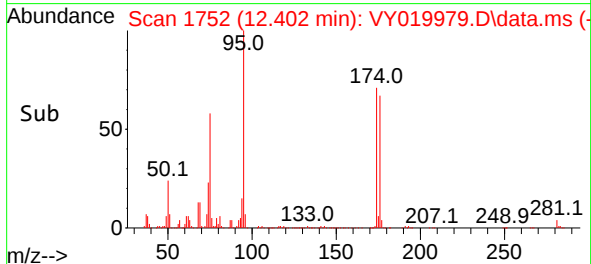
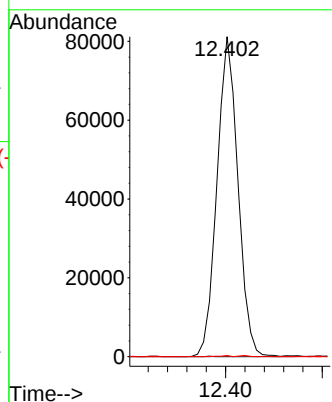
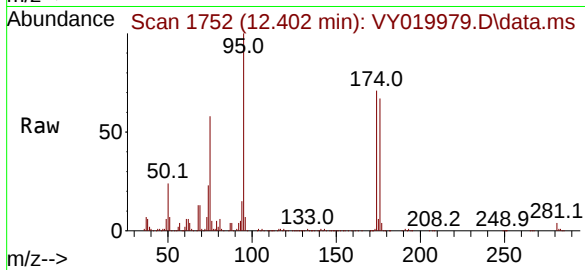




#81
trans-1,4-Dichloro-2-butene
Concen: 140.948 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 121934
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 3.173 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 105 Resp: 38093
Ion Ratio Lower Upper
105 100
120 43.6 23.2 69.6

