

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
 Data File : VY019975.D
 Acq On : 22 Oct 2024 12:49
 Operator : SY/MD
 Sample : P4460-02
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 23 01:27:49 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)

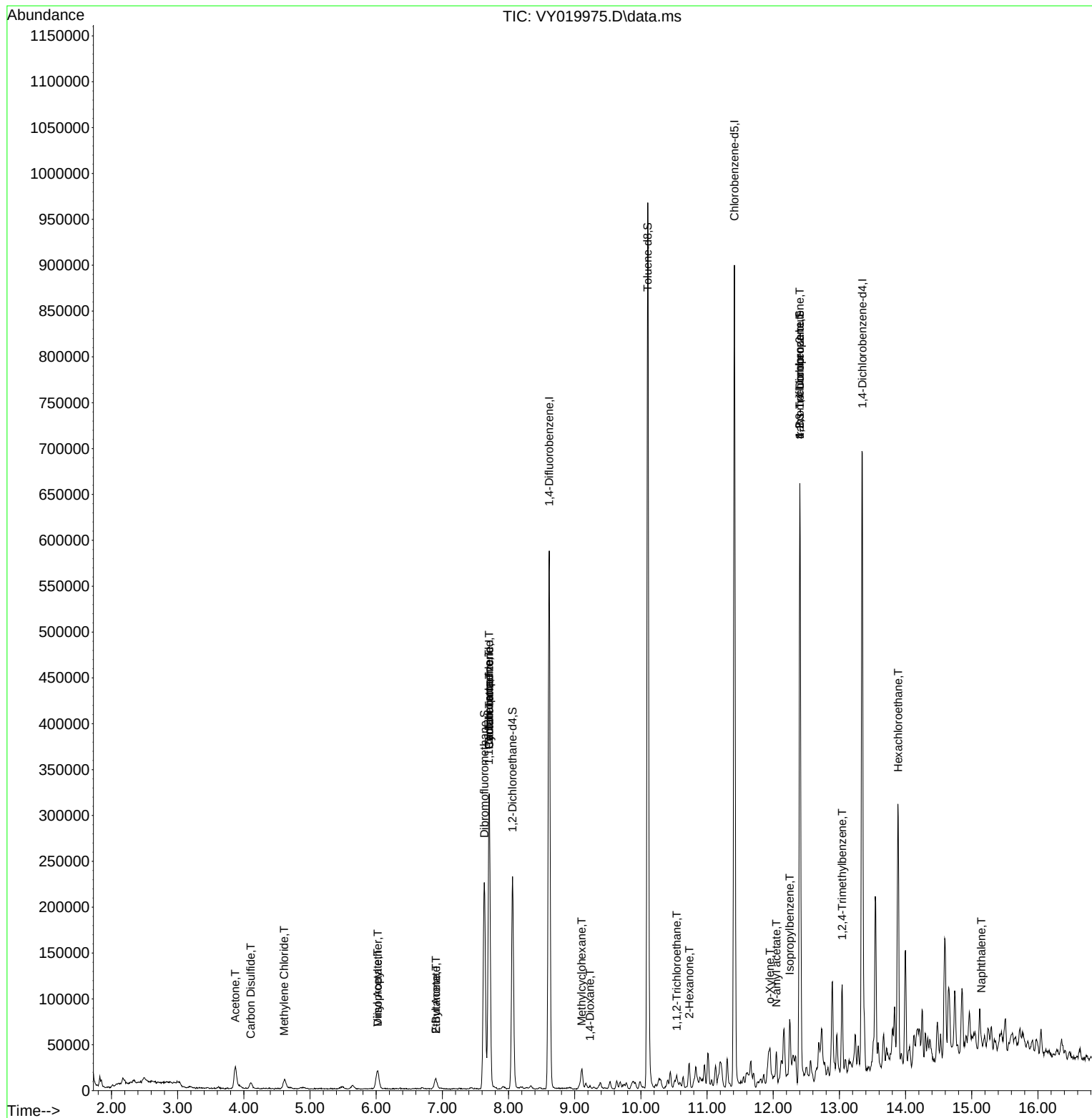
Internal Standards						
1) Pentafluorobenzene	7.707	168	221816	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	464225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	428467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	175159	64.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.260%	
35) Dibromofluoromethane	7.634	113	156915	51.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.440%	
50) Toluene-d8	10.103	98	575855	50.904	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.800%	
62) 4-Bromofluorobenzene	12.401	95	182120	44.554	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 89.100%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	2237	Below Cal	#	91
16) Acetone	3.873	43	44181	62.141	ug/l	# 78
17) Carbon Disulfide	4.104	76	12686	1.989	ug/l	# 91
20) Methylene Chloride	4.610	84	6968	1.876	ug/l	# 89
22) Diisopropyl ether	6.025	45	25898	2.769	ug/l	94
23) Vinyl Acetate	6.018	43	14125	2.635	ug/l	# 67
25) 2-Butanone	6.902	43	19720	20.722	ug/l	90
31) Cyclohexane	7.707	56	7714	1.690	ug/l	# 35
36) 1,1-Dichloropropene	7.701	75	22165	5.022	ug/l	# 48
37) Ethyl Acetate	6.902	43	19720	8.569	ug/l	# 68
38) Carbon Tetrachloride	7.707	117	24751	5.231	ug/l	# 16
39) Methylcyclohexane	9.103	83	7705	1.386	ug/l	# 84
49) 1,4-Dioxane	9.231	88	2225	108.840	ug/l	# 86
55) 1,1,2-Trichloroethane	10.542	97	3715	1.544	ug/l	# 21
59) 2-Hexanone	10.731	43	10574	6.184	ug/l	# 23
69) o-Xylene	11.950	106	7778	1.231	ug/l	100
73) Isopropylbenzene	12.249	105	34537	2.678	ug/l	100
74) N-amyl acetate	12.048	43	8023	2.349	ug/l	# 56
76) 1,2,3-Trichloropropane	12.401	75	106369	35.415	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	106369	142.949	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.042	105	45726	4.428	ug/l	96
90) Hexachloroethane	13.889	117	5084	2.307	ug/l	# 12
95) Naphthalene	15.145	128	7118	1.386	ug/l	# 85

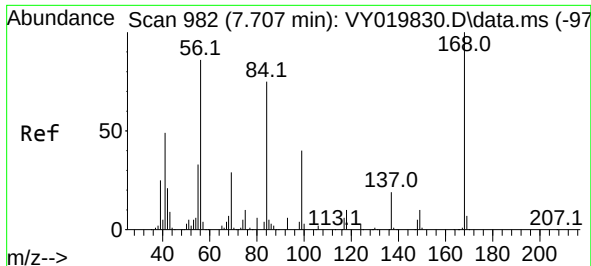
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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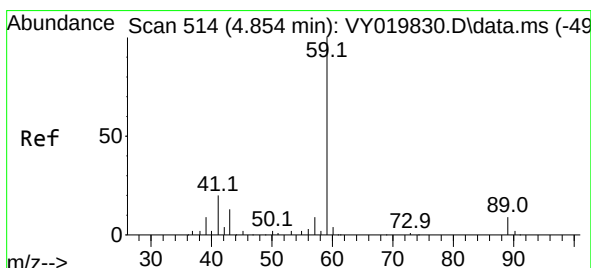
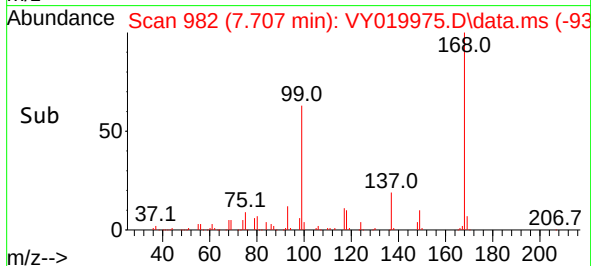
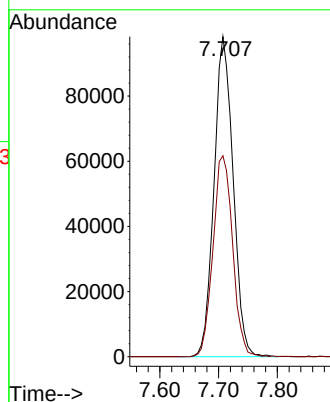
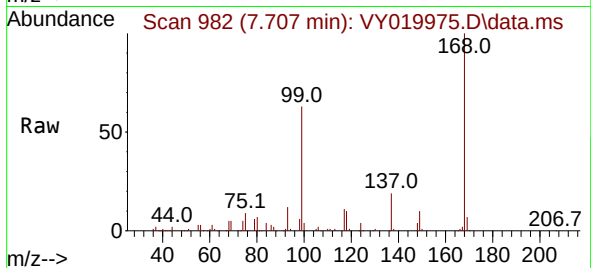




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

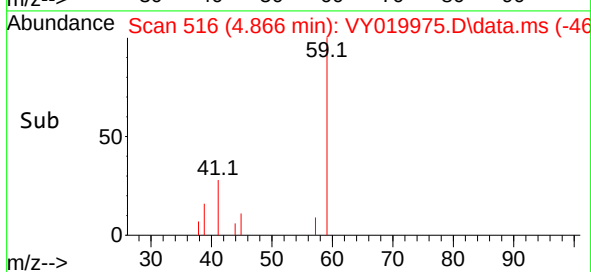
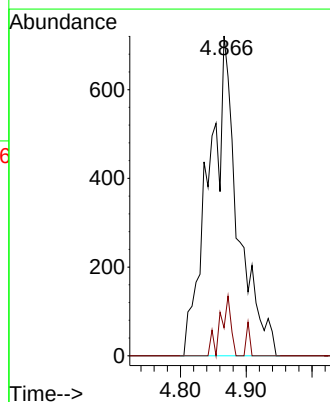
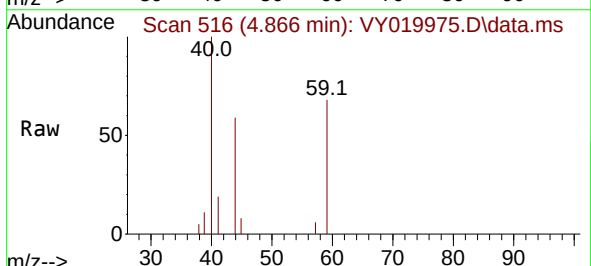
Instrument :
MSVOA_Y
ClientSampleId :

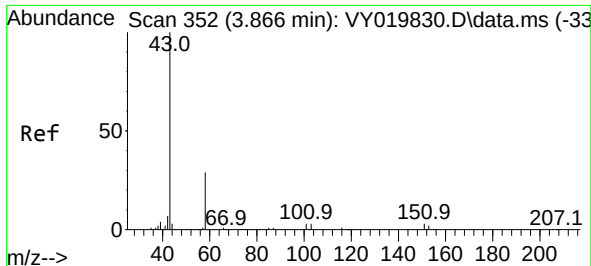
Tgt Ion:168 Resp: 221816
Ion Ratio Lower Upper
168 100
99 62.8 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 59 Resp: 2237
Ion Ratio Lower Upper
59 100
57 6.7 3.0 4.6#





#16

Acetone

Concen: 62.141 ug/l

RT: 3.873 min Scan# 3

Delta R.T. 0.000 min

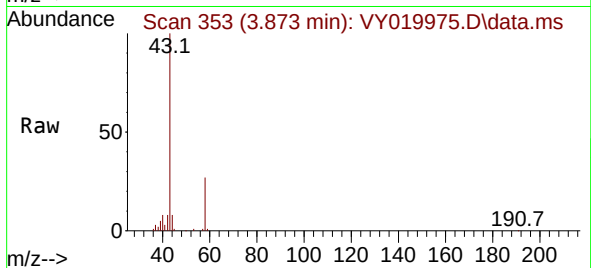
Lab File: VY019975.D

Acq: 22 Oct 2024 12:49

Instrument :

MSVOA_Y

ClientSampleId :

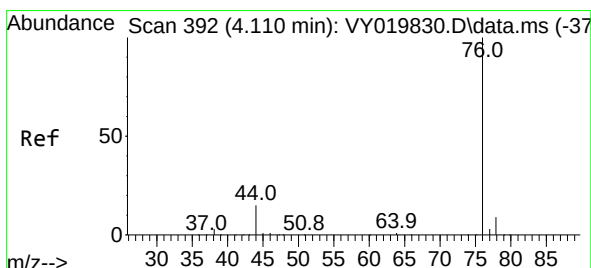
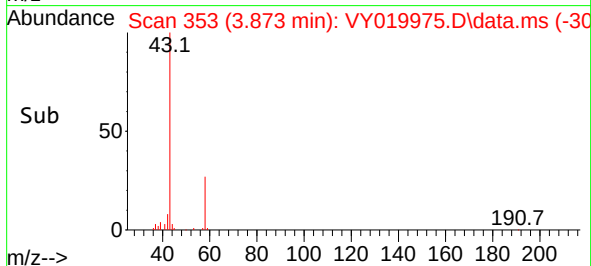
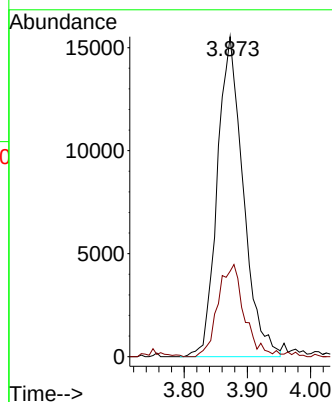


Tgt Ion: 43 Resp: 44181

Ion Ratio Lower Upper

43 100

58 26.3 31.7 47.5#



#17

Carbon Disulfide

Concen: 1.989 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.000 min

Lab File: VY019975.D

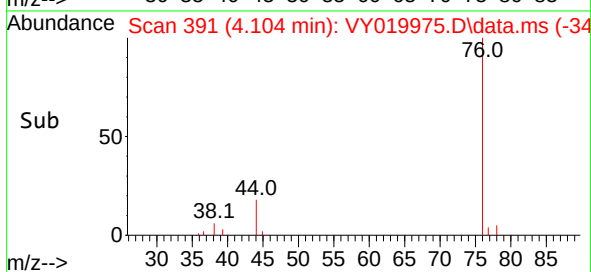
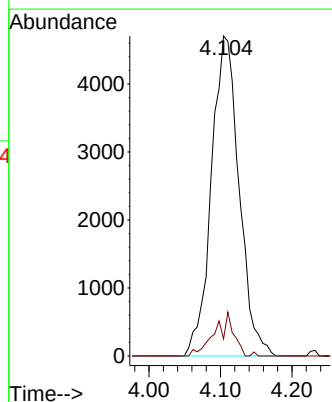
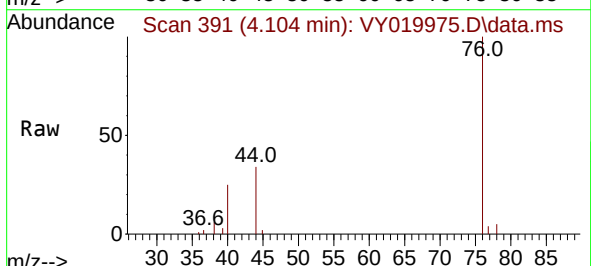
Acq: 22 Oct 2024 12:49

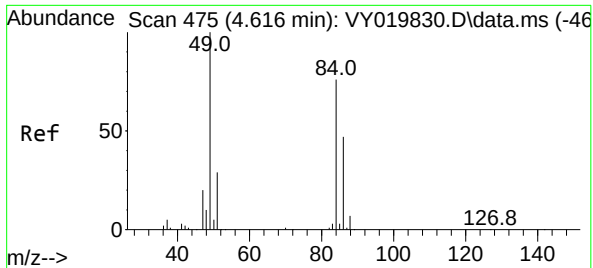
Tgt Ion: 76 Resp: 12686

Ion Ratio Lower Upper

76 100

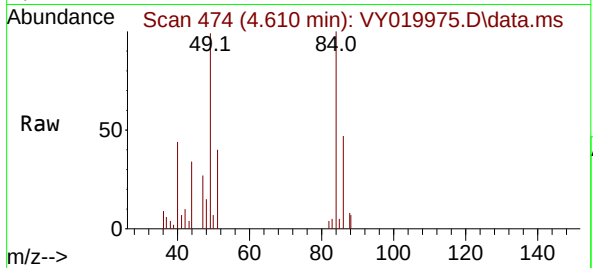
78 5.4 6.8 10.2#



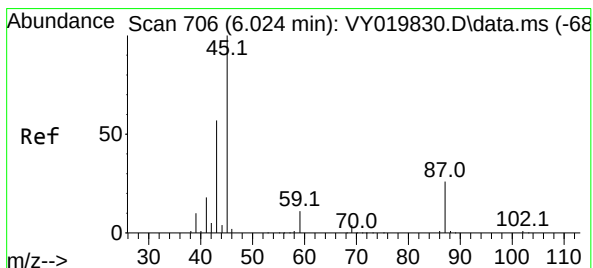
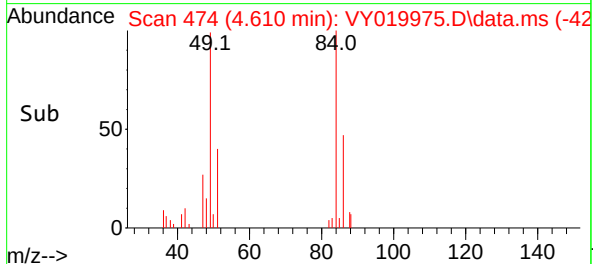
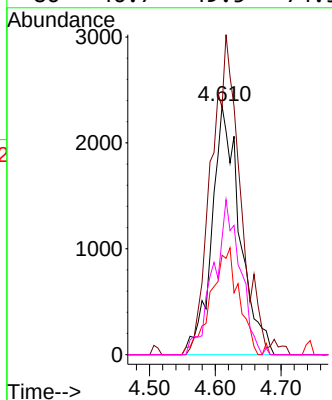


#20
Methylene Chloride
Concen: 1.876 ug/l
RT: 4.610 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :

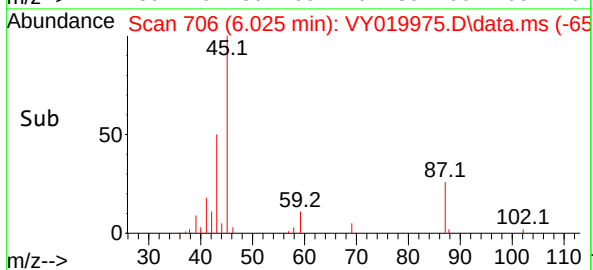
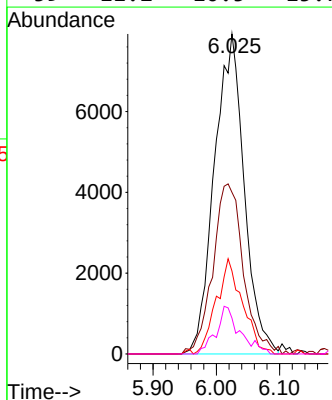
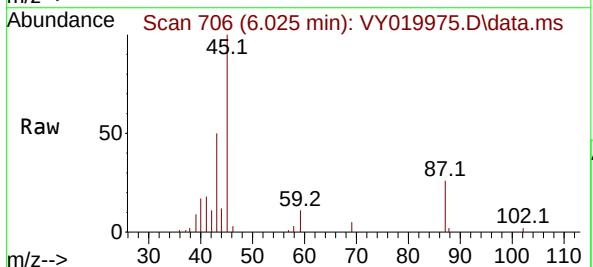


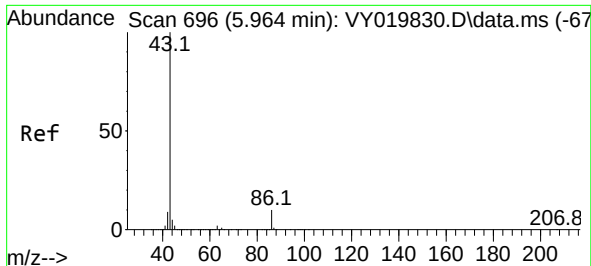
Tgt Ion:	84	Resp:	6968
Ion	Ratio	Lower	Upper
84	100		
49	99.3	84.4	126.6
51	40.0	26.0	39.0#
86	46.7	49.5	74.3#



#22
Diisopropyl ether
Concen: 2.769 ug/l
RT: 6.025 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion:	45	Resp:	25898
Ion	Ratio	Lower	Upper
45	100		
43	50.5	42.2	63.2
87	25.9	25.0	37.6
59	11.2	10.5	15.7

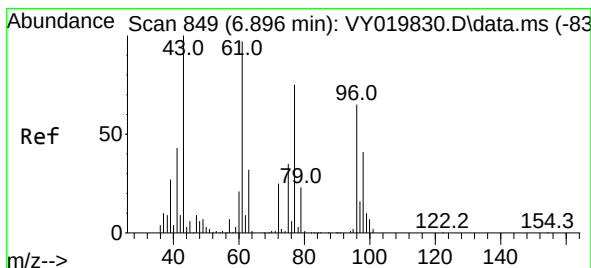
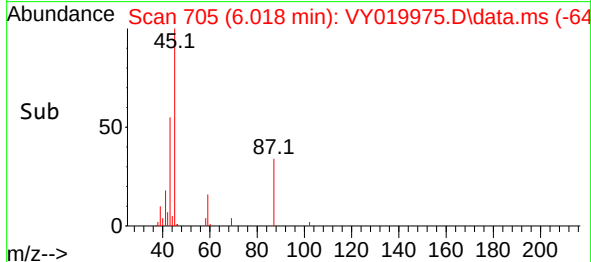
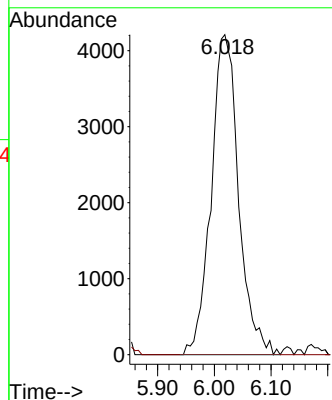
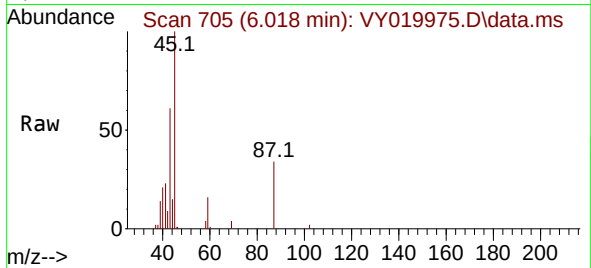




#23
 Vinyl Acetate
 Concen: 2.635 ug/l
 RT: 6.018 min Scan# 705
 Delta R.T. 0.061 min
 Lab File: VY019975.D
 Acq: 22 Oct 2024 12:49

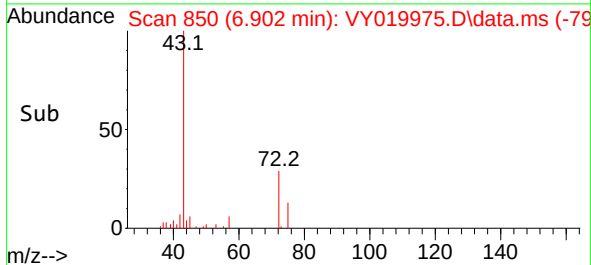
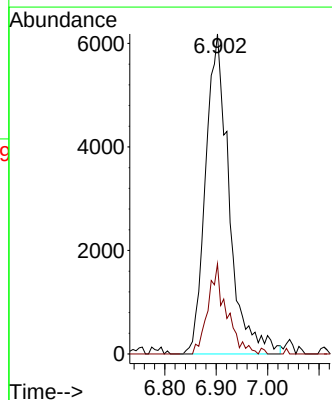
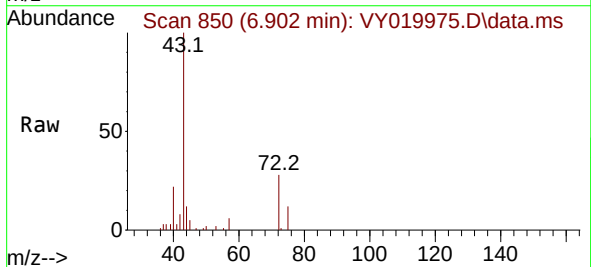
Instrument :
 MSVOA_Y
 ClientSampleId :

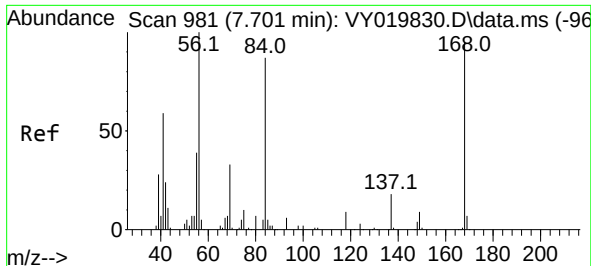
Tgt Ion: 43 Resp: 14125
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.6 16.0#



#25
 2-Butanone
 Concen: 20.722 ug/l
 RT: 6.902 min Scan# 850
 Delta R.T. 0.012 min
 Lab File: VY019975.D
 Acq: 22 Oct 2024 12:49

Tgt Ion: 43 Resp: 19720
 Ion Ratio Lower Upper
 43 100
 72 28.2 27.3 40.9

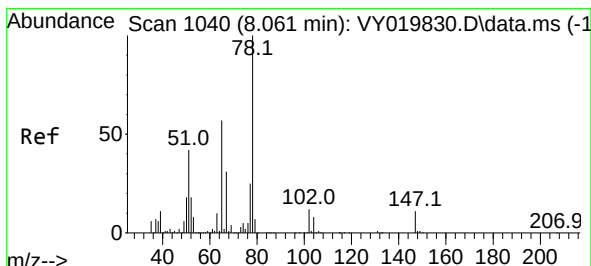
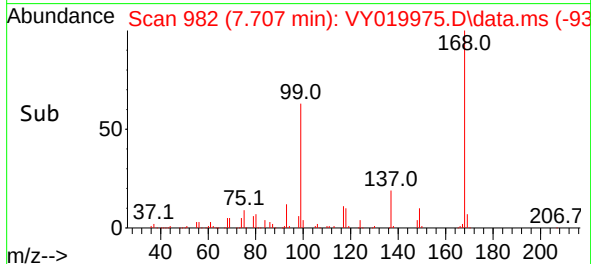
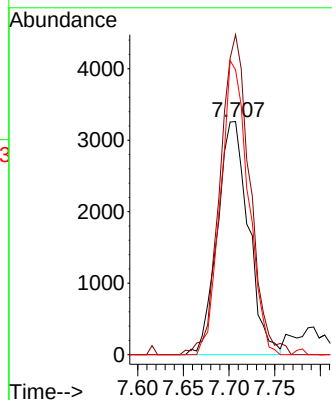
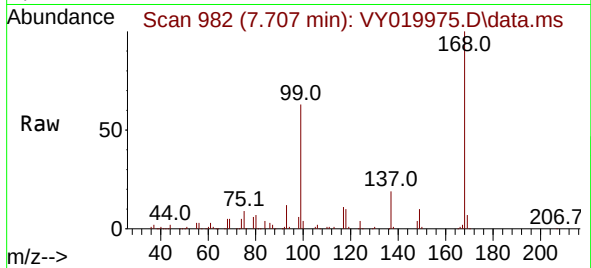




#31
Cyclohexane
Concen: 1.690 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

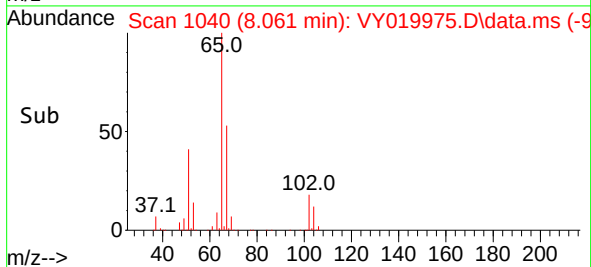
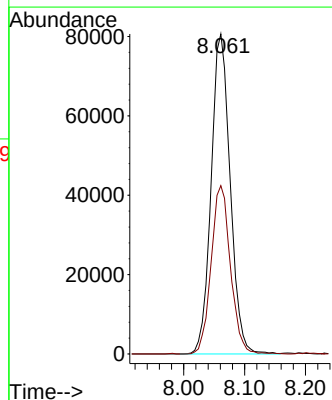
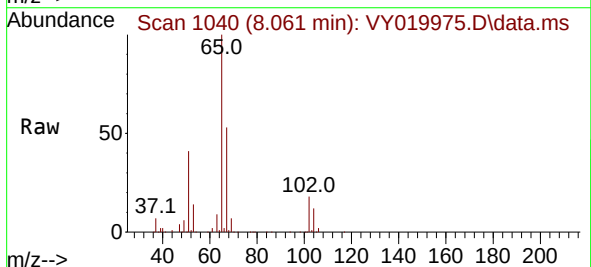
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MSVOA_Y
ClientSampleId :

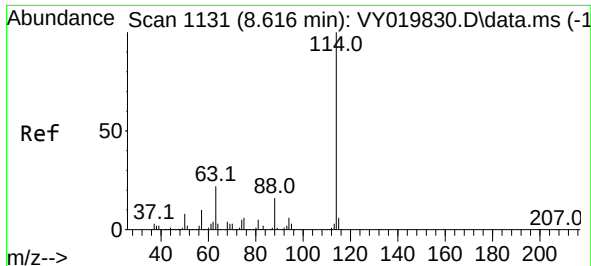
Tgt Ion: 56 Resp: 7714
Ion Ratio Lower Upper
56 100
69 137.2 28.7 43.1#
84 122.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 64.132 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 65 Resp: 175159
Ion Ratio Lower Upper
65 100
67 53.4 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: VY019975.D

Acq: 22 Oct 2024 12:49

Instrument :

MSVOA_Y

ClientSampleId :

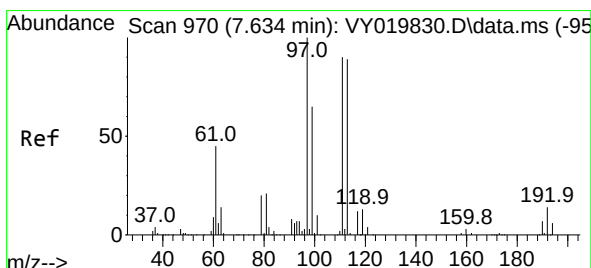
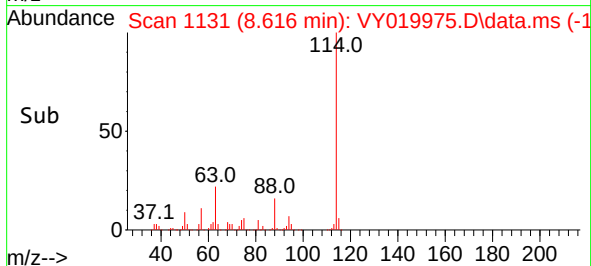
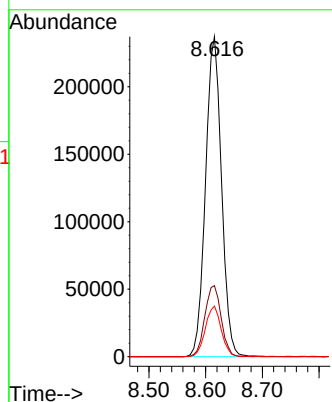
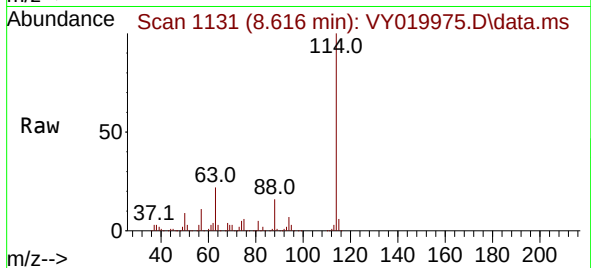
Tgt Ion:114 Resp: 464225

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.0

88 15.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.223 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY019975.D

Acq: 22 Oct 2024 12:49

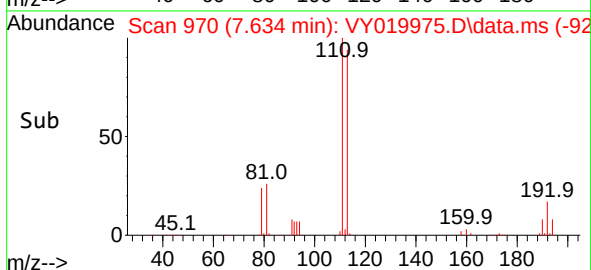
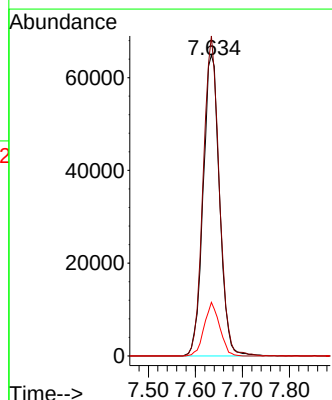
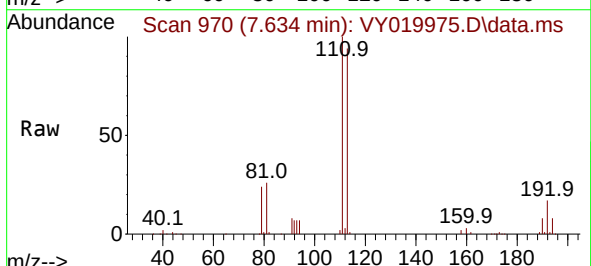
Tgt Ion:113 Resp: 156915

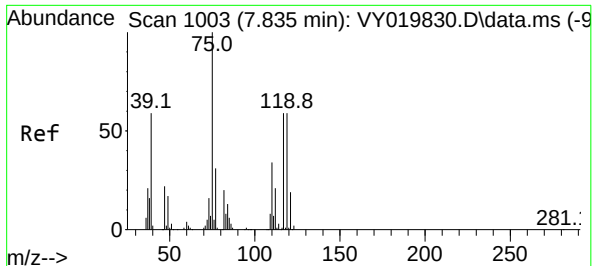
Ion Ratio Lower Upper

113 100

111 104.0 82.2 123.4

192 16.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.022 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY019975.D

Acq: 22 Oct 2024 12:49

Instrument :

MSVOA_Y

ClientSampleId :

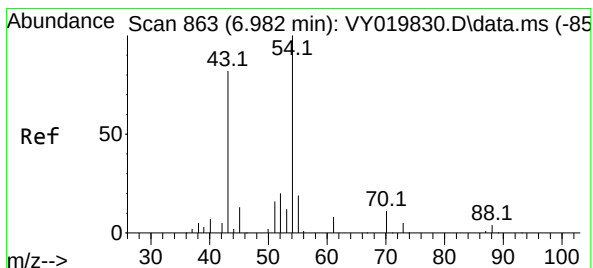
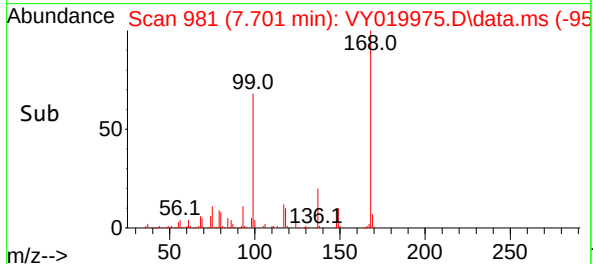
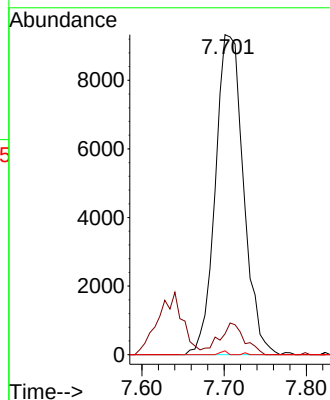
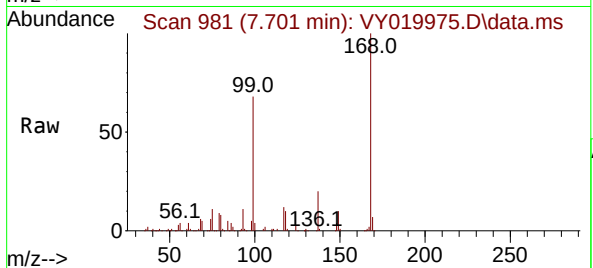
Tgt Ion: 75 Resp: 22165

Ion Ratio Lower Upper

75 100

110 9.0 19.0 57.0#

77 0.3 25.3 37.9#



#37

Ethyl Acetate

Concen: 8.569 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.079 min

Lab File: VY019975.D

Acq: 22 Oct 2024 12:49

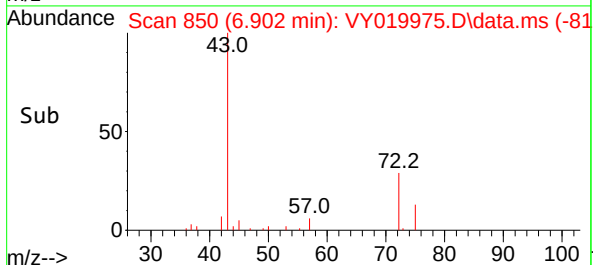
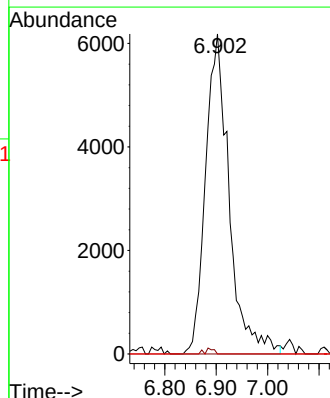
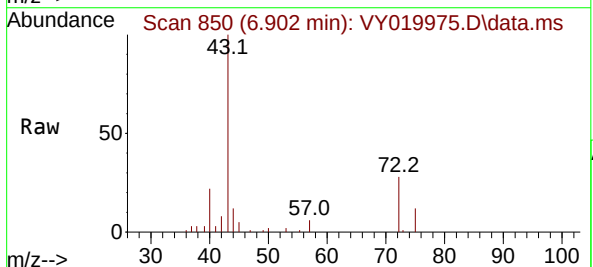
Tgt Ion: 43 Resp: 19720

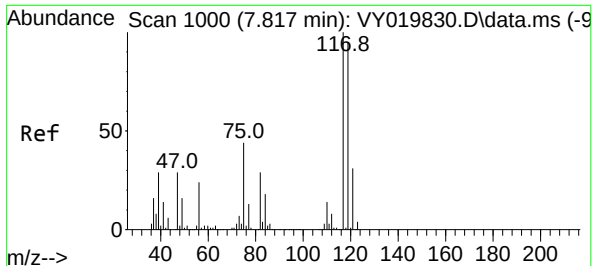
Ion Ratio Lower Upper

43 100

61 0.7 12.6 19.0#

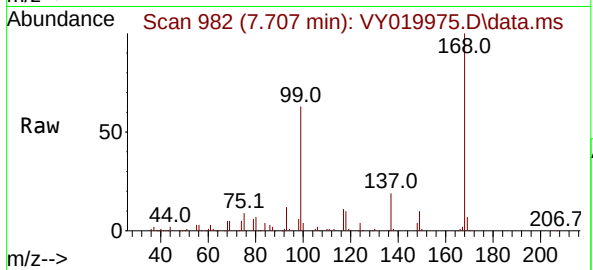
70 0.0 7.8 11.8#



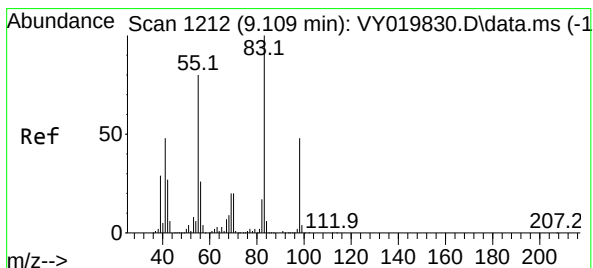
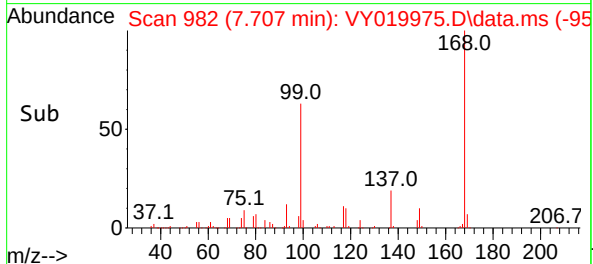
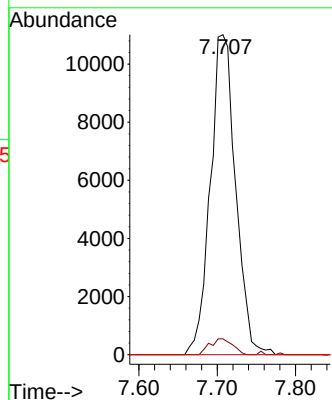


#38
Carbon Tetrachloride
Concen: 5.231 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :

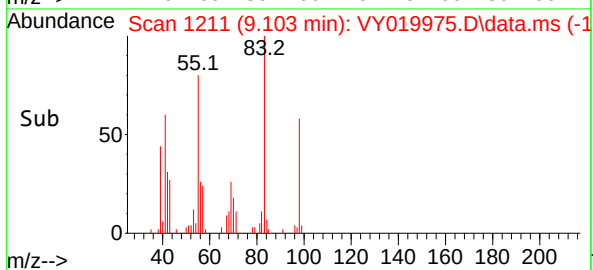
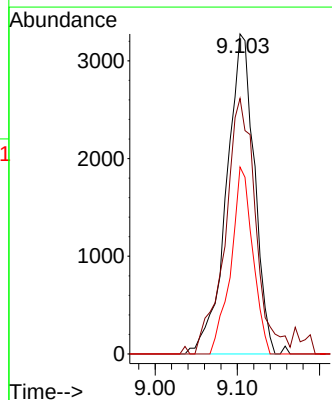
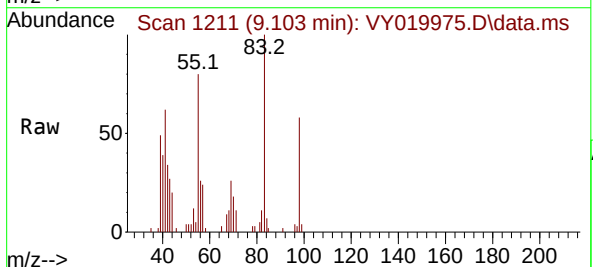


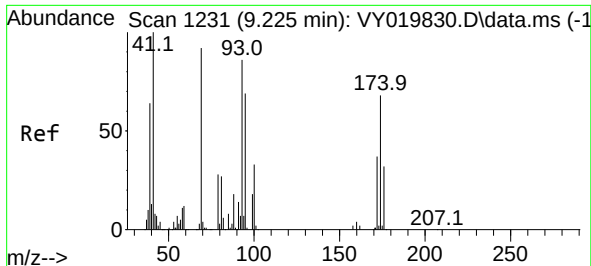
Tgt Ion:117 Resp: 24751
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.0 36.0#



#39
Methylcyclohexane
Concen: 1.386 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 83 Resp: 7705
Ion Ratio Lower Upper
83 100
55 79.9 51.5 77.3#
98 58.4 40.5 60.7





#49

1,4-Dioxane

Concen: 108.840 ug/l

RT: 9.231 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019975.D

Acq: 22 Oct 2024 12:49

Instrument :

MSVOA_Y

ClientSampleId :

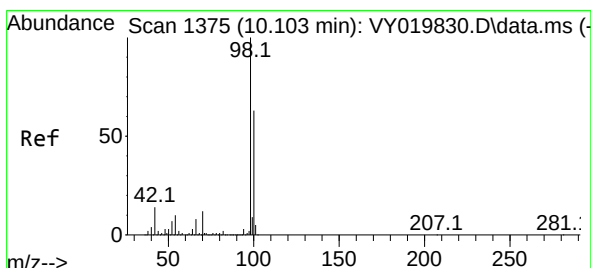
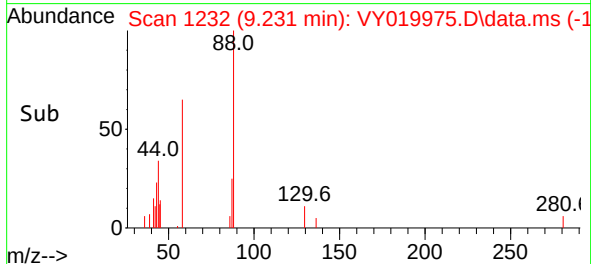
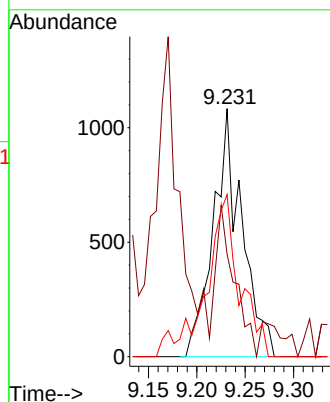
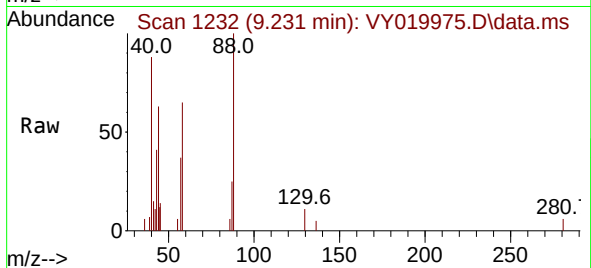
Tgt Ion: 88 Resp: 2225

Ion Ratio Lower Upper

88 100

43 39.5 0.0 0.0#

58 72.1 49.3 73.9



#50

Toluene-d8

Concen: 50.904 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019975.D

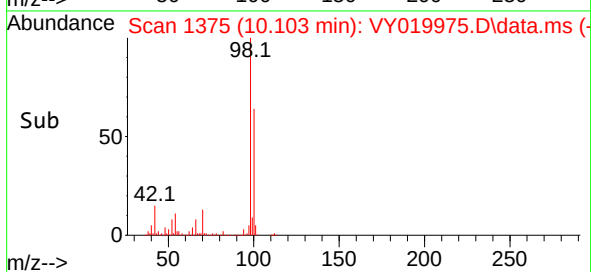
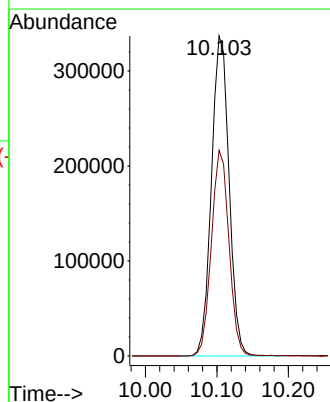
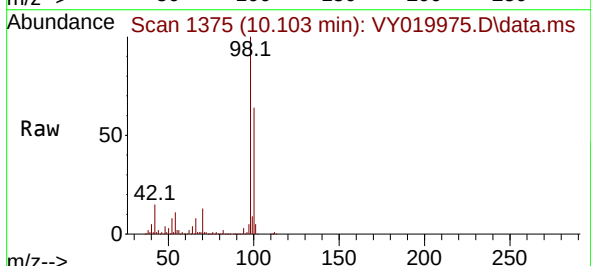
Acq: 22 Oct 2024 12:49

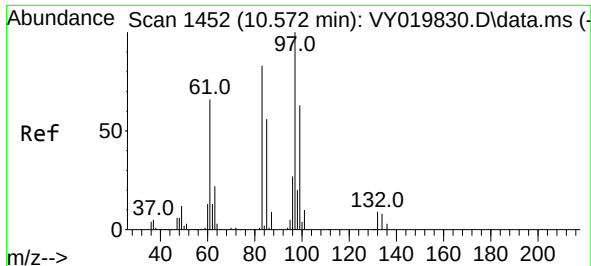
Tgt Ion: 98 Resp: 575855

Ion Ratio Lower Upper

98 100

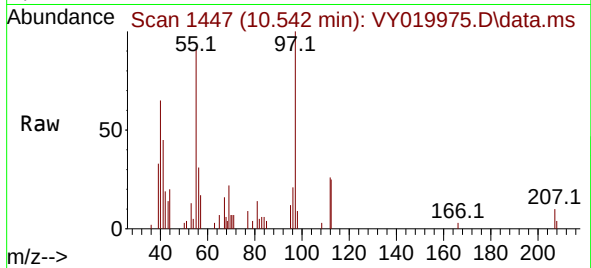
100 64.1 52.0 78.0



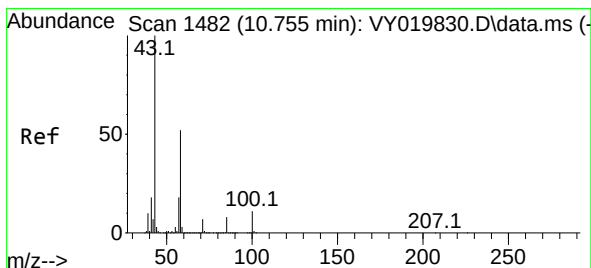
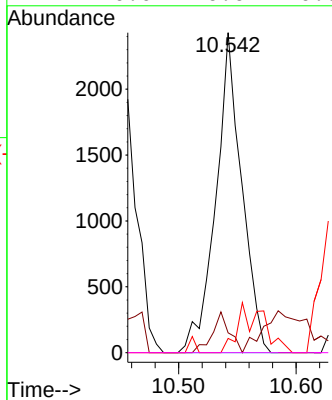
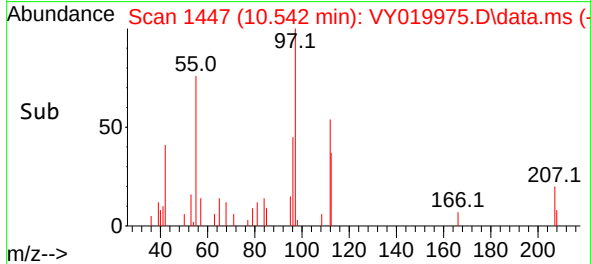


#55
1,1,2-Trichloroethane
Concen: 1.544 ug/l
RT: 10.542 min Scan# 1447
Delta R.T. -0.030 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :

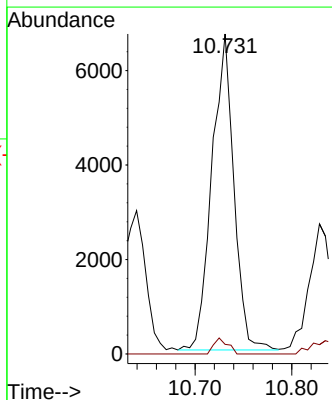
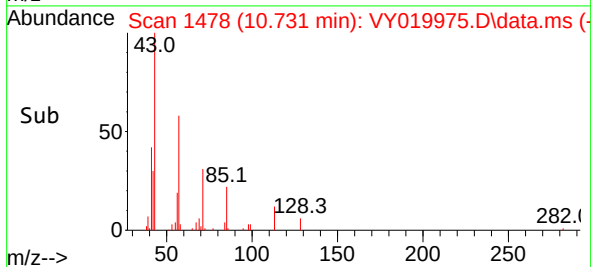
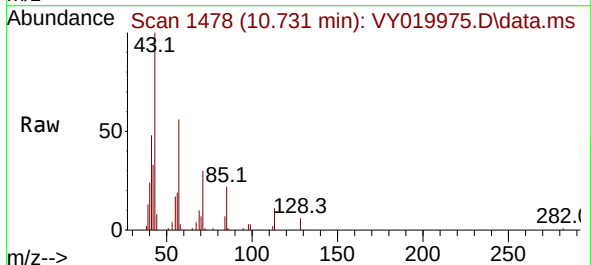


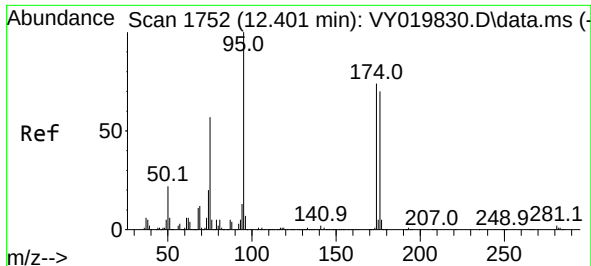
Tgt Ion:	97	Resp:	3715
Ion	Ratio	Lower	Upper
97	100		
83	6.2	67.5	101.3#
85	4.4	42.9	64.3#
99	0.0	46.6	70.0#



#59
2-Hexanone
Concen: 6.184 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion:	43	Resp:	10574
Ion	Ratio	Lower	Upper
43	100		
58	3.2	31.4	94.0#

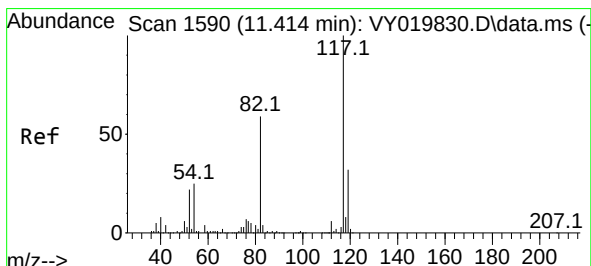
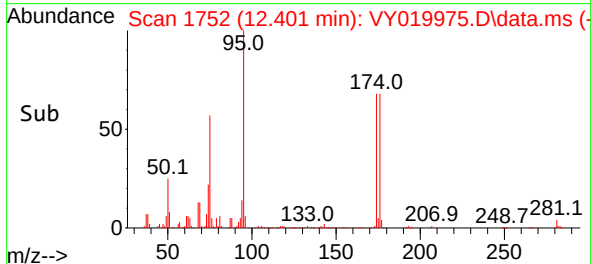
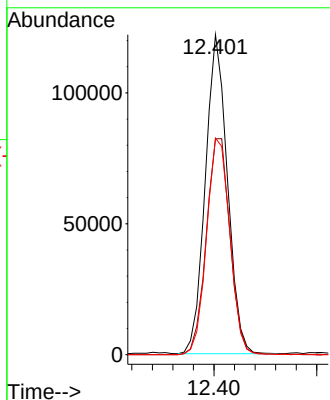
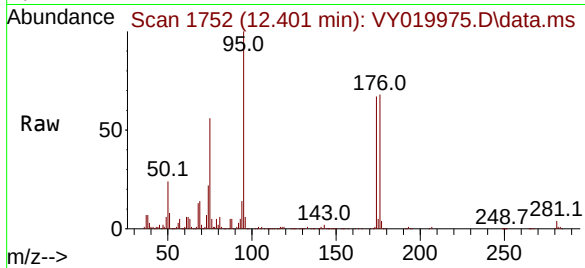




#62
4-Bromofluorobenzene
Concen: 44.554 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

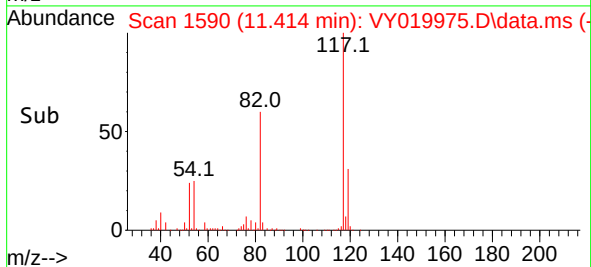
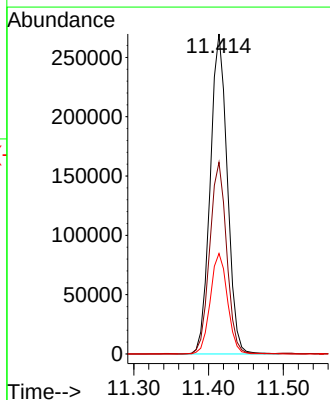
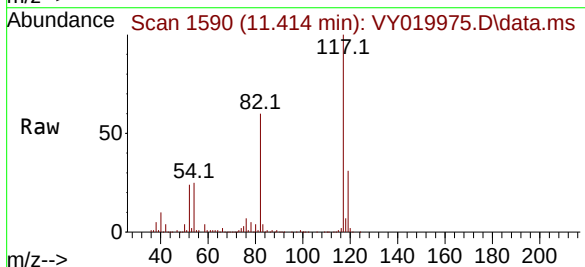
Instrument :
MSVOA_Y
ClientSampleId :

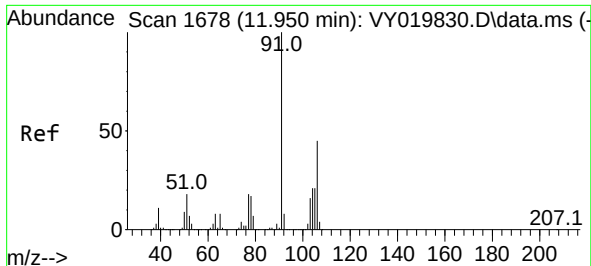
Tgt Ion: 95 Resp: 182120
Ion Ratio Lower Upper
95 100
174 73.0 0.0 175.6
176 71.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion: 117 Resp: 428467
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 31.4 25.9 38.9

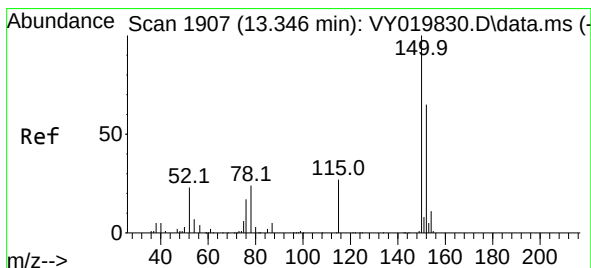
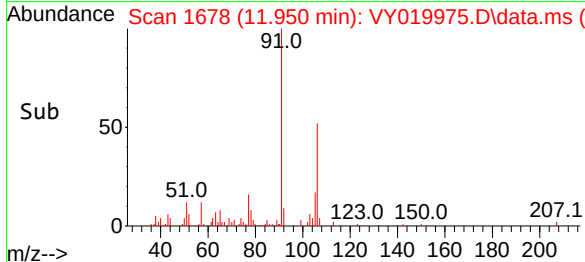
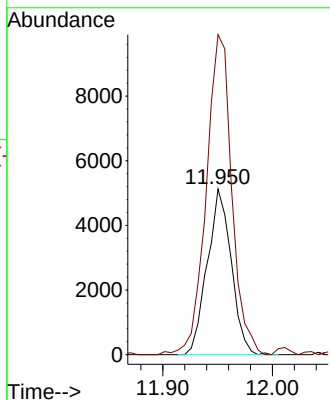
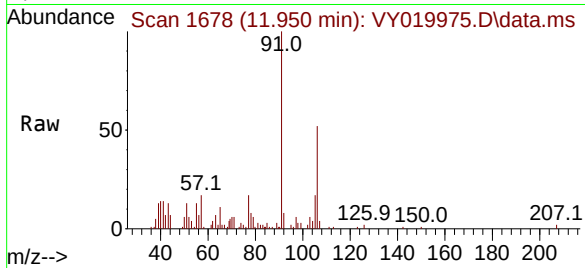




#69
o-Xylene
Concen: 1.231 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

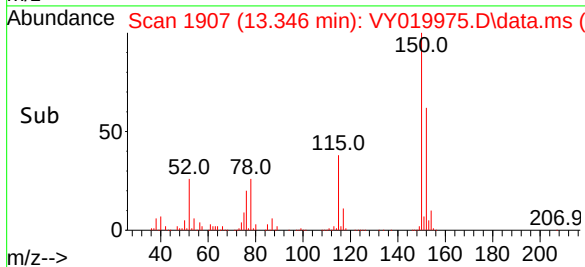
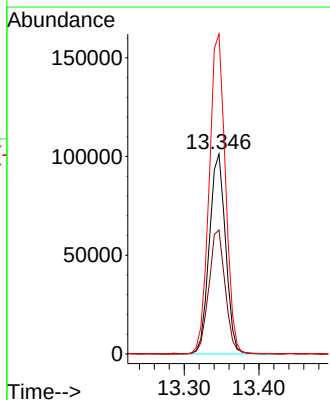
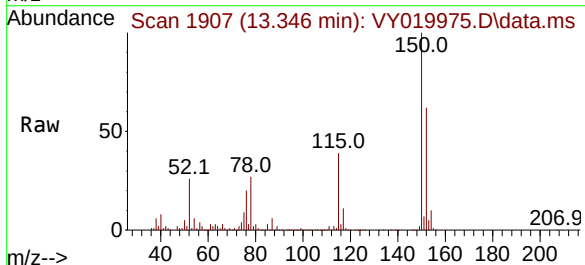
Instrument :
MSVOA_Y
ClientSampleId :

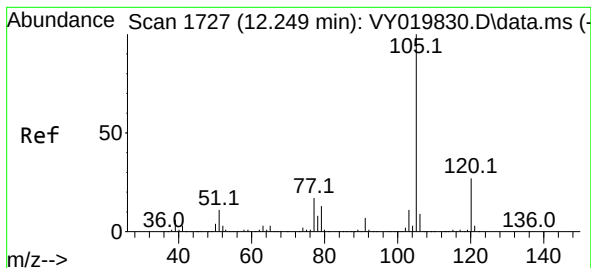
Tgt Ion:106 Resp: 7778
Ion Ratio Lower Upper
106 100
91 206.5 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Tgt Ion:152 Resp: 153318
Ion Ratio Lower Upper
152 100
115 62.5 28.2 84.7
150 159.9 0.0 345.6





#73

Isopropylbenzene

Concen: 2.678 ug/l

RT: 12.249 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019975.D

Acq: 22 Oct 2024 12:49

Instrument :

MSVOA_Y

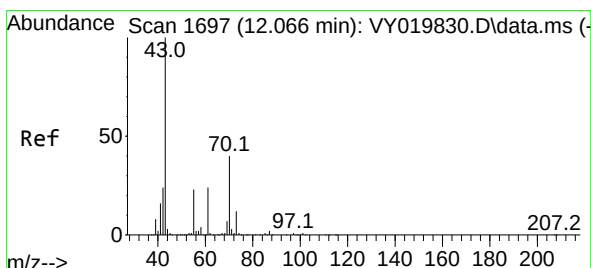
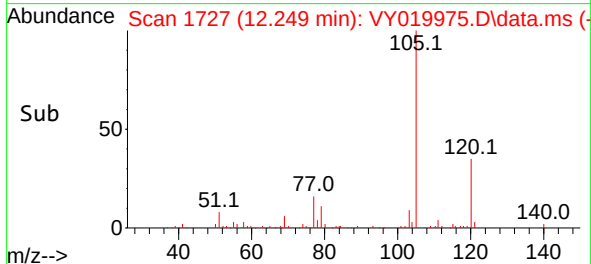
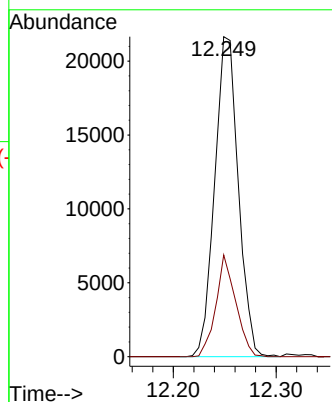
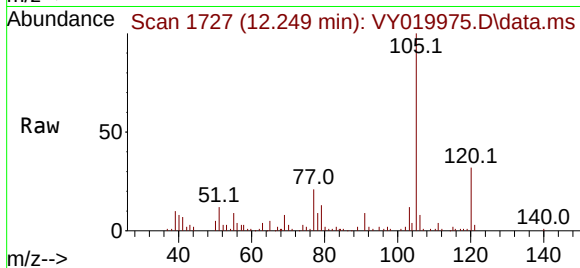
ClientSampleId :

Tgt Ion:105 Resp: 34537

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#74

N-ethyl acetate

Concen: 2.349 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY019975.D

Acq: 22 Oct 2024 12:49

Tgt Ion: 43 Resp: 8023

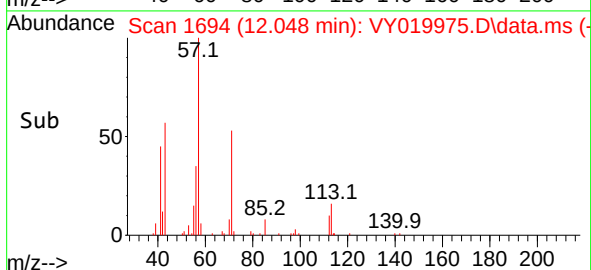
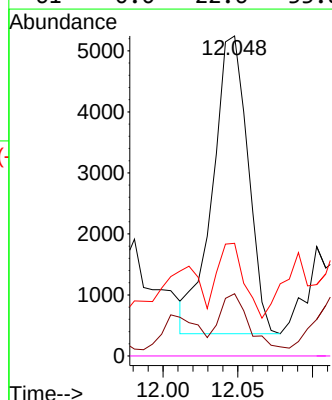
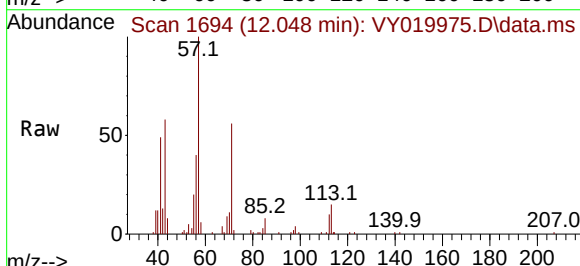
Ion Ratio Lower Upper

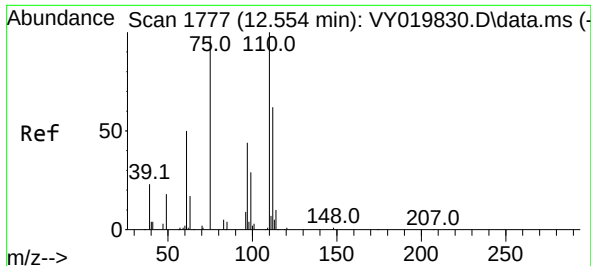
43 100

70 14.4 41.4 62.2#

55 18.6 23.3 34.9#

61 0.0 22.6 33.8#

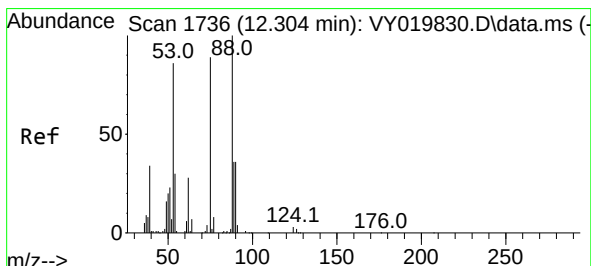
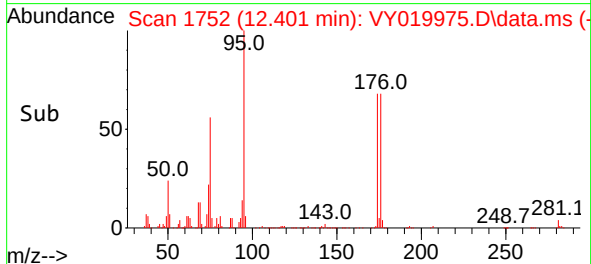
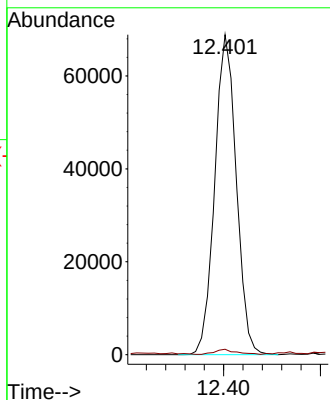
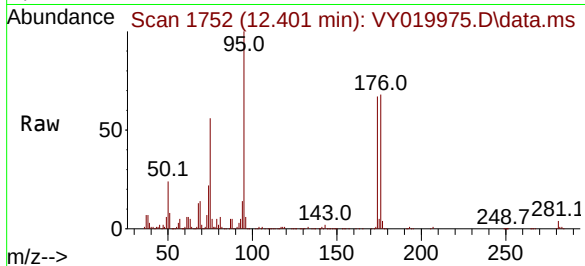




#76
1,2,3-Trichloropropane
Concen: 35.415 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

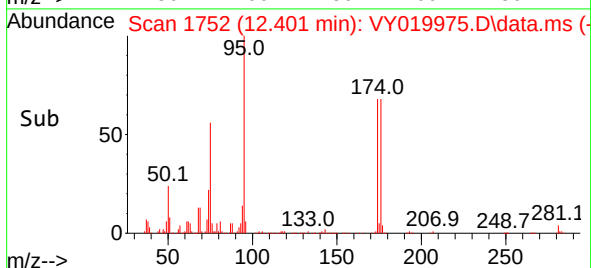
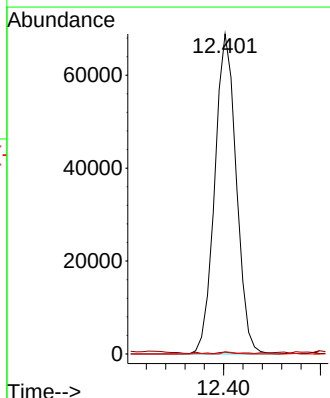
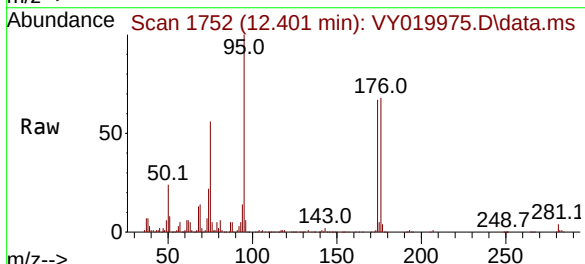
Instrument :
MSVOA_Y
ClientSampleId :

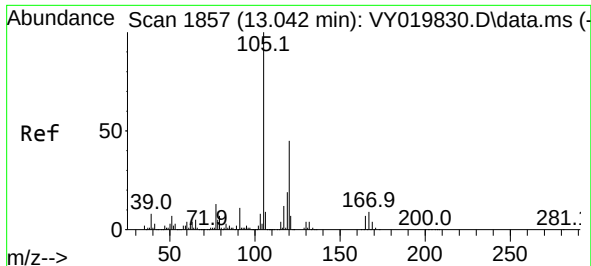
Tgt Ion: 75 Resp: 106369
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.949 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

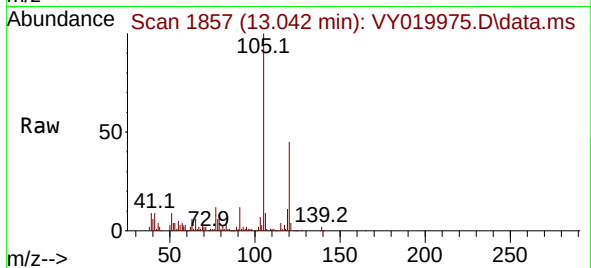
Tgt Ion: 75 Resp: 106369
Ion Ratio Lower Upper
75 100
53 0.4 66.8 100.2#
89 0.3 35.8 53.6#



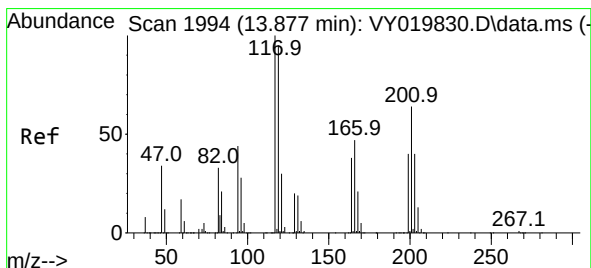
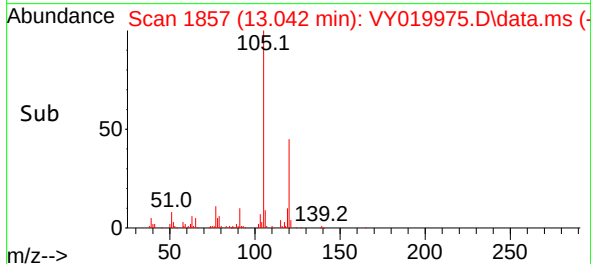
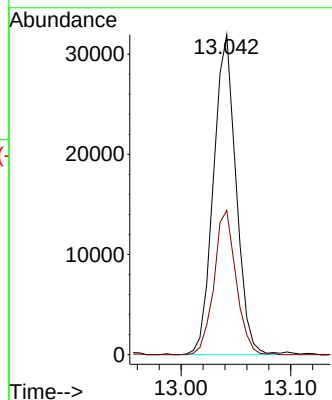


#84
1,2,4-Trimethylbenzene
Concen: 4.428 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :

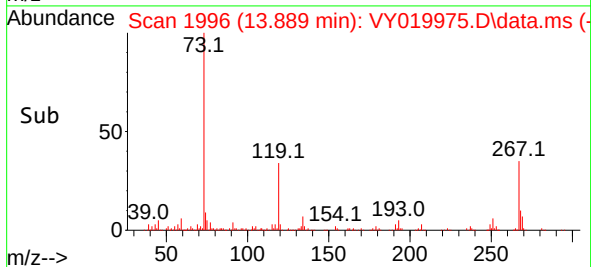
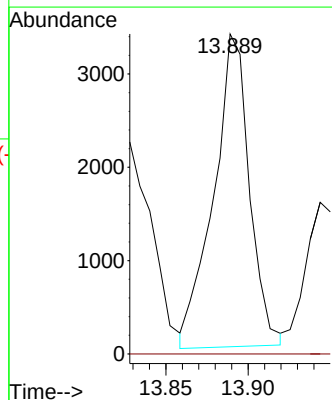
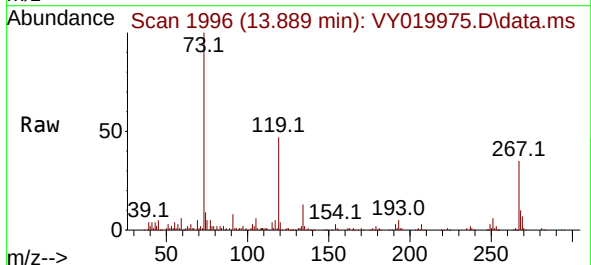


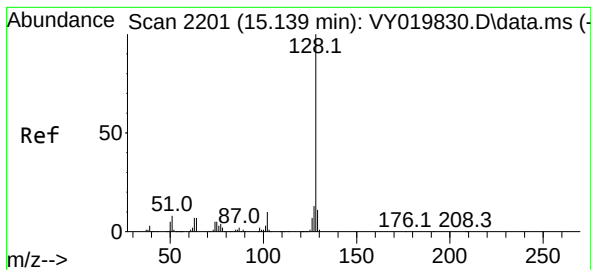
Tgt Ion:105 Resp: 45726
Ion Ratio Lower Upper
105 100
120 44.0 23.2 69.6



#90
Hexachloroethane
Concen: 2.307 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.006 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

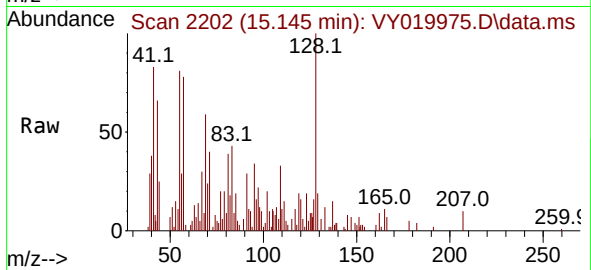
Tgt Ion:117 Resp: 5084
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#95
Naphthalene
Concen: 1.386 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY019975.D
Acq: 22 Oct 2024 12:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 7118
Ion Ratio Lower Upper
128 100
127 22.6 10.6 16.0#
129 9.2 8.6 13.0

