

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
 Data File : VY019995.D
 Acq On : 23 Oct 2024 15:32
 Operator : SY/MD
 Sample : P4473-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 23 23:09:32 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	7.713	168	97031	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	194476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	170600	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	55255	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	70925	59.364	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.720%
35) Dibromofluoromethane	7.634	113	67331	52.466	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.940%
50) Toluene-d8	10.103	98	236959	50.000	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.000%
62) 4-Bromofluorobenzene	12.401	95	68510	40.008	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	80.020%

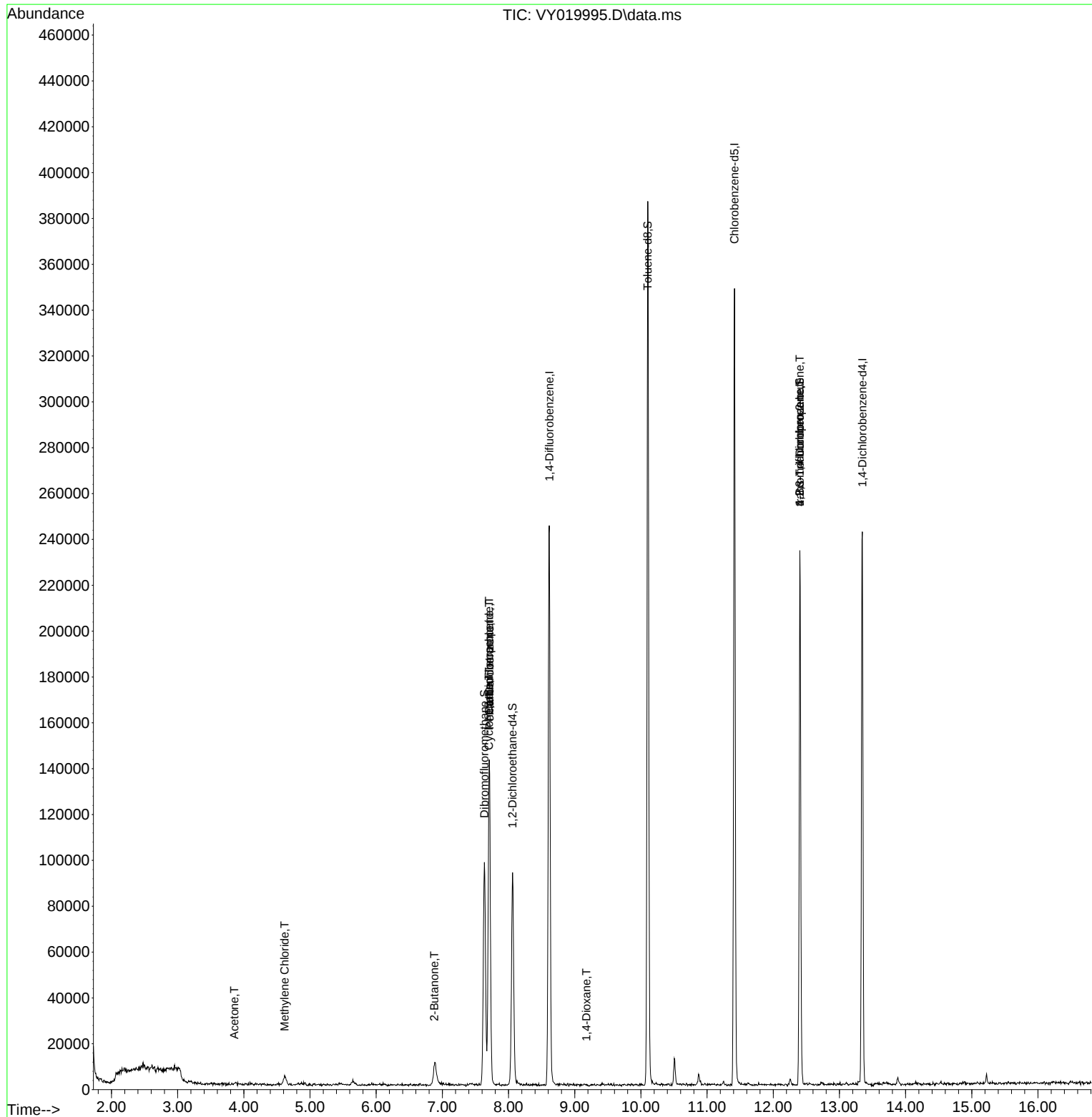
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.860	59	271	Below Cal	#	88
16) Acetone	3.854	43	520	1.672	ug/l #	36
20) Methylene Chloride	4.616	84	2411	1.313	ug/l #	85
25) 2-Butanone	6.878	43	835	2.006	ug/l #	41
31) Cyclohexane	7.701	56	3328	1.667	ug/l #	73
36) 1,1-Dichloropropene	7.707	75	10423	5.638	ug/l #	48
38) Carbon Tetrachloride	7.707	117	11441	5.772	ug/l #	15
49) 1,4-Dioxane	9.176	88	60	7.006	ug/l #	20
76) 1,2,3-Trichloropropane	12.401	75	41296	38.151	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	41296	153.991	ug/l #	16

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

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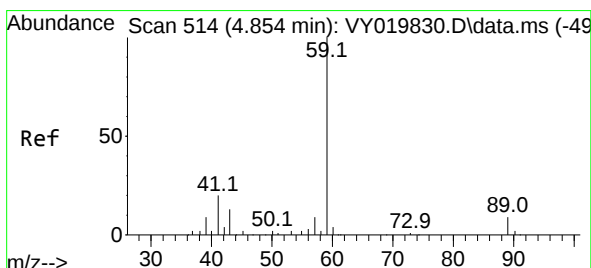
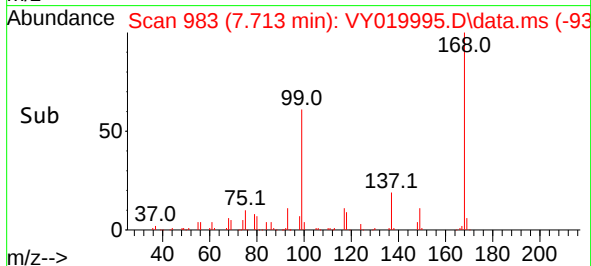
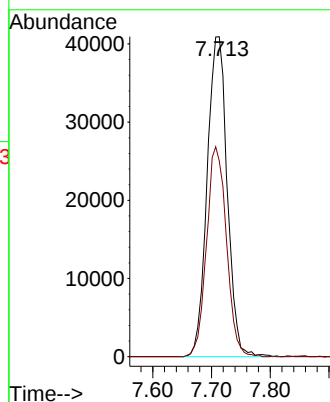
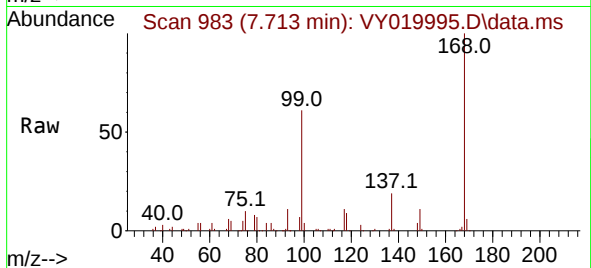




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

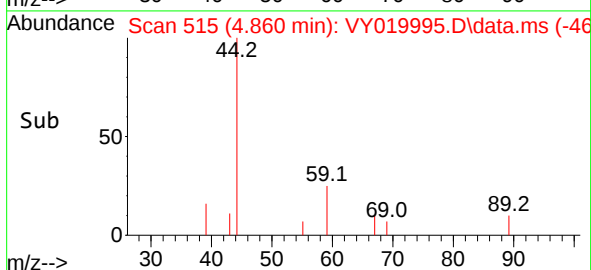
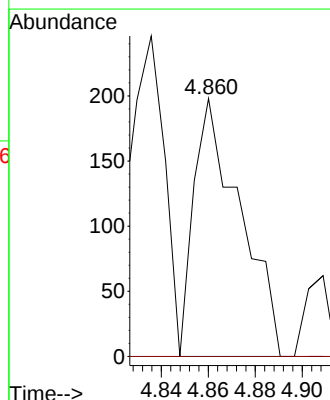
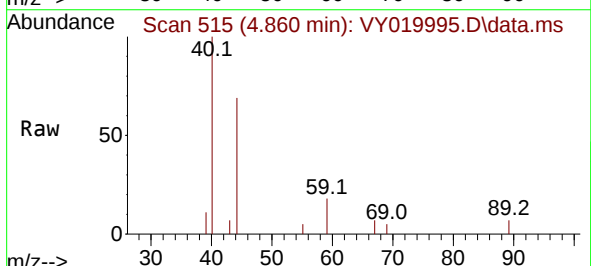
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 97031
Ion Ratio Lower Upper
168 100
99 61.2 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: VY019995.D
Acq: 23 Oct 2024 15:32

Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

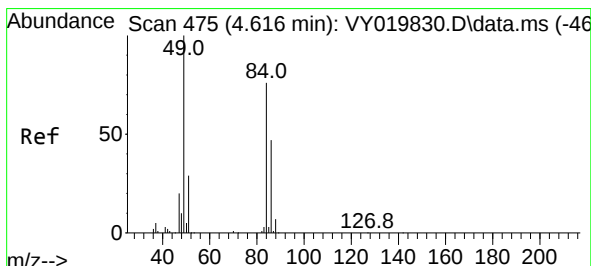
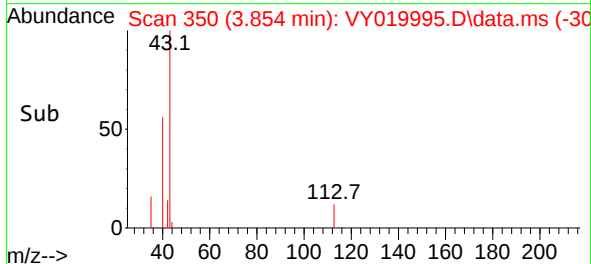
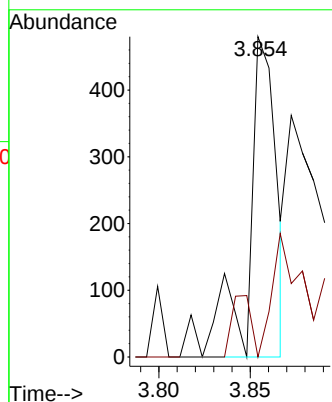
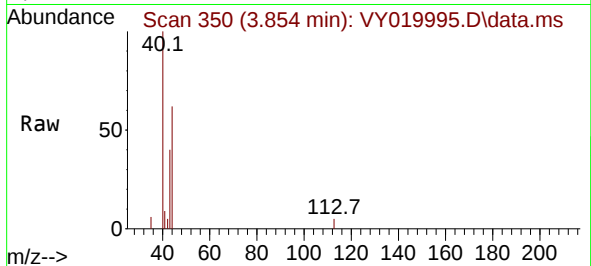




#16
Acetone
Concen: 1.672 ug/l
RT: 3.854 min Scan# 311
Delta R.T. -0.018 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

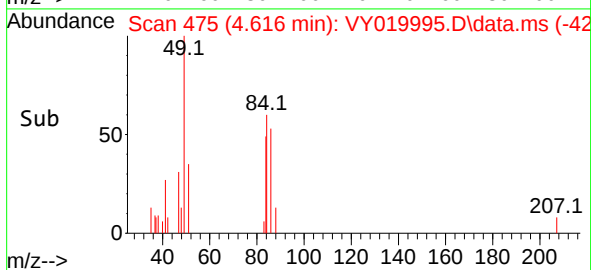
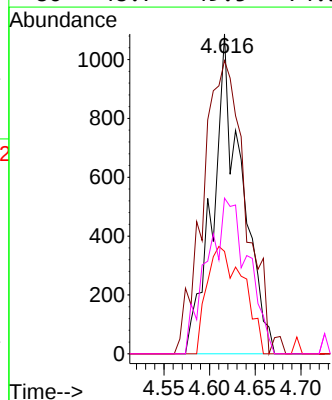
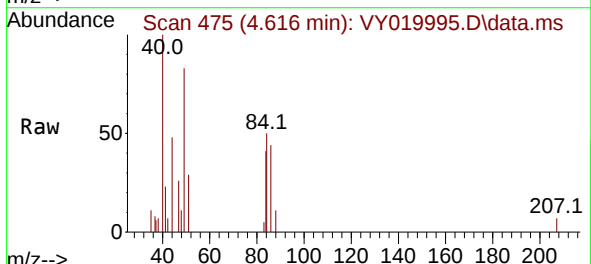
Instrument :
MSVOA_Y
ClientSampleId :

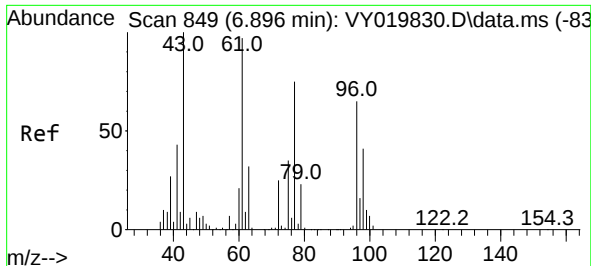
Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 1.313 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

Tgt Ion: 84 Resp: 2411
Ion Ratio Lower Upper
84 100
49 86.9 84.4 126.6
51 32.0 26.0 39.0
86 48.7 49.5 74.3#





#25

2-Butanone

Concen: 2.006 ug/l

RT: 6.878 min Scan# 849

Delta R.T. -0.012 min

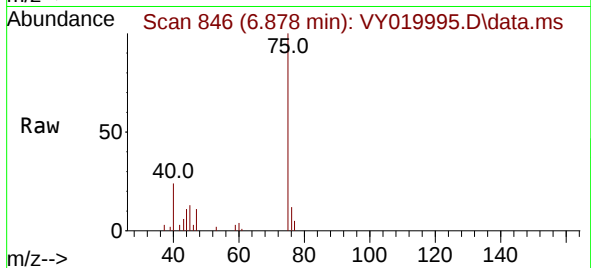
Lab File: VY019995.D

Acq: 23 Oct 2024 15:32

Instrument :

MSVOA_Y

ClientSampleId :

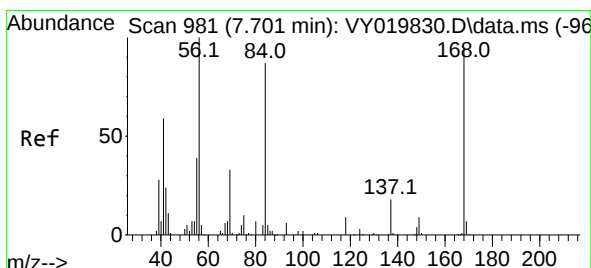
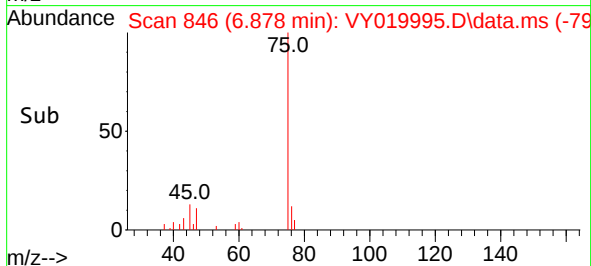
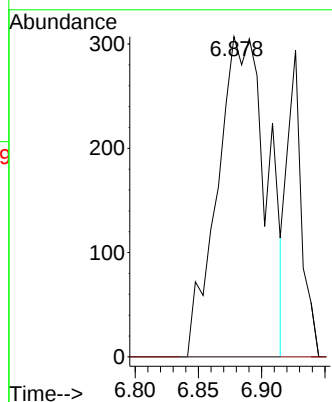


Tgt Ion: 43 Resp: 835

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.667 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019995.D

Acq: 23 Oct 2024 15:32

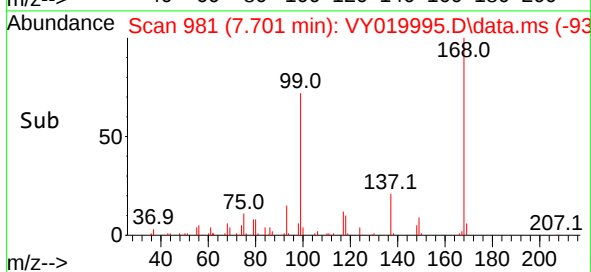
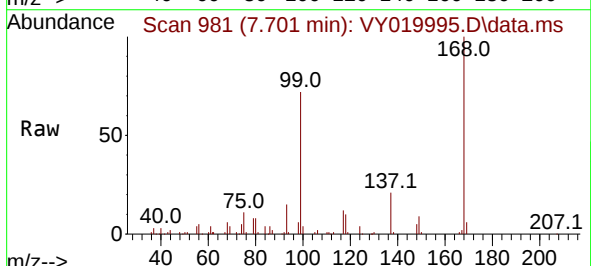
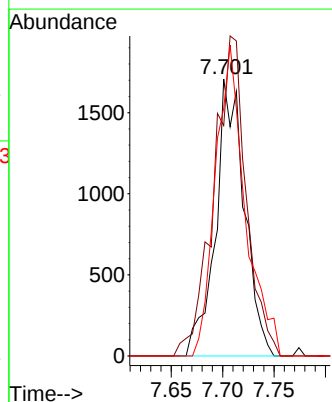
Tgt Ion: 56 Resp: 3328

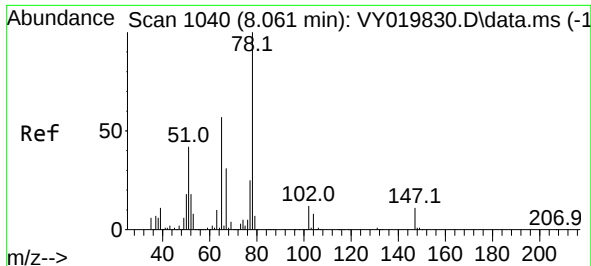
Ion Ratio Lower Upper

56 100

69 83.2 28.7 43.1#

84 89.3 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 59.364 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019995.D

Acq: 23 Oct 2024 15:32

Instrument :

MSVOA_Y

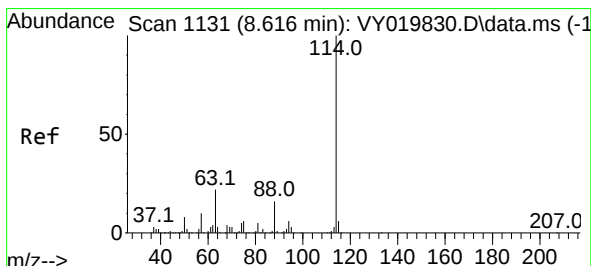
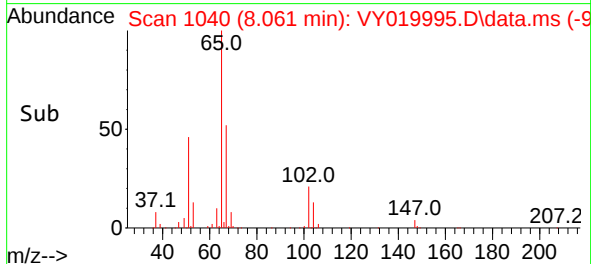
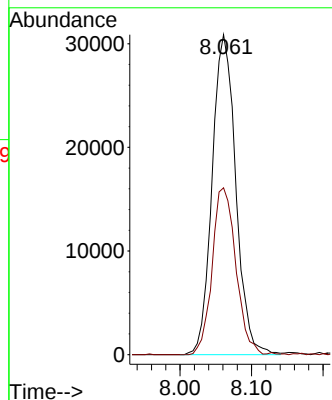
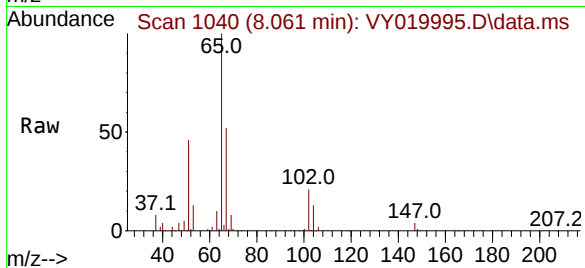
ClientSampleId :

Tgt Ion: 65 Resp: 70925

Ion Ratio Lower Upper

65 100

67 52.2 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: VY019995.D

Acq: 23 Oct 2024 15:32

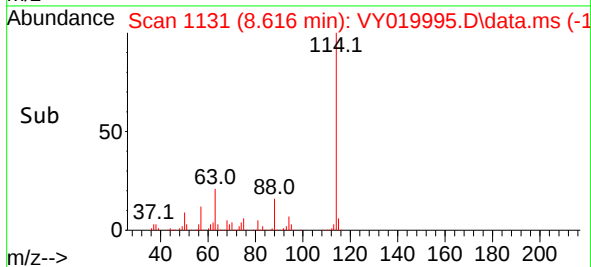
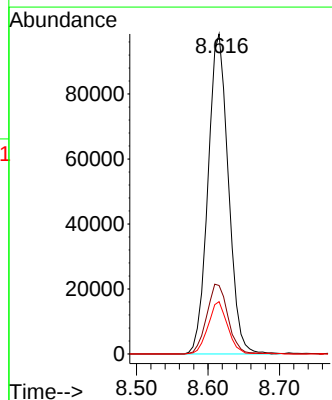
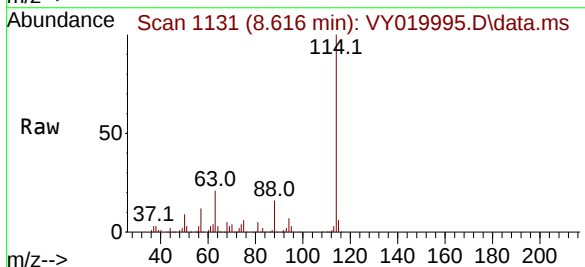
Tgt Ion: 114 Resp: 194476

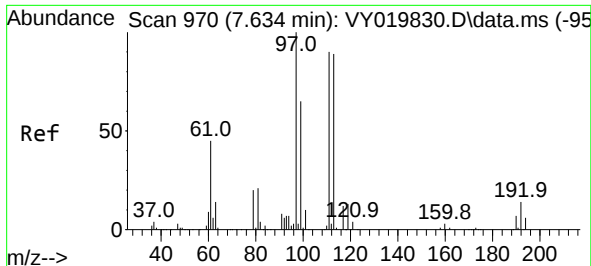
Ion Ratio Lower Upper

114 100

63 21.4 0.0 35.0

88 16.4 0.0 27.2

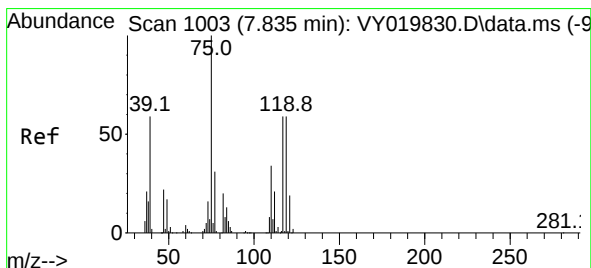
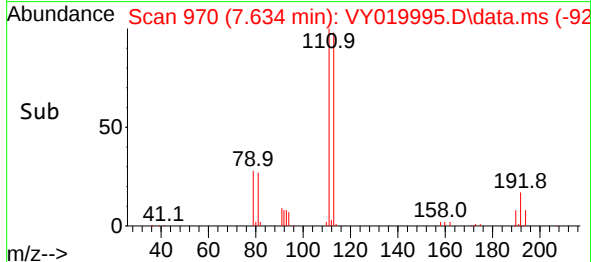
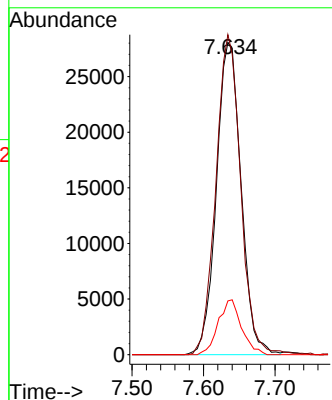
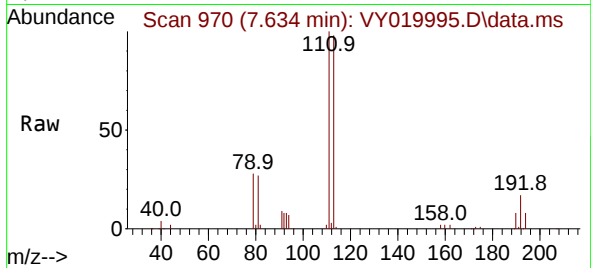




#35
Dibromofluoromethane
Concen: 52.466 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

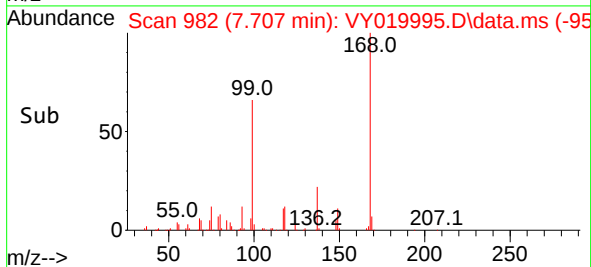
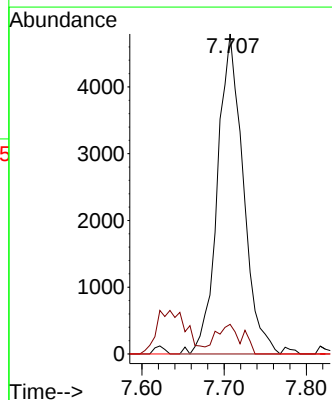
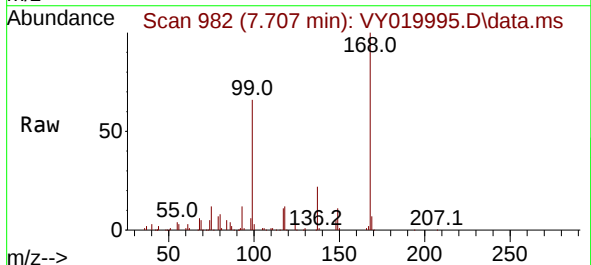
Instrument :
MSVOA_Y
ClientSampleId :

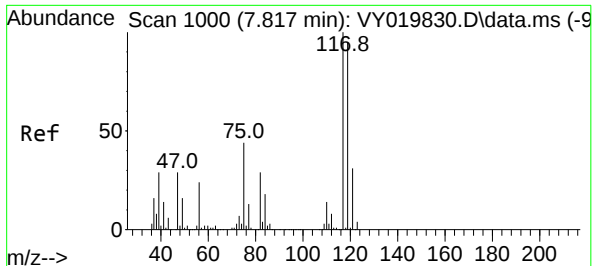
Tgt Ion:113 Resp: 67331
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 16.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.638 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

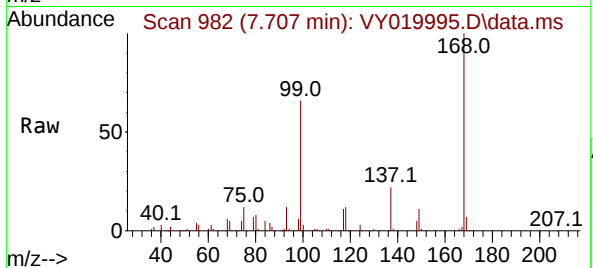
Tgt Ion: 75 Resp: 10423
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.0 25.3 37.9#



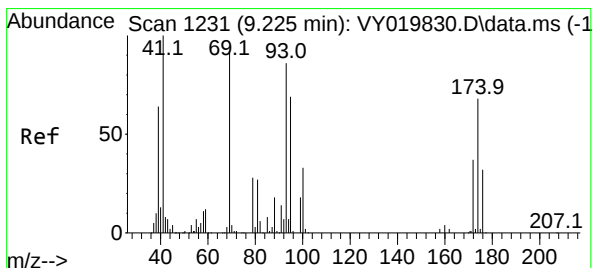
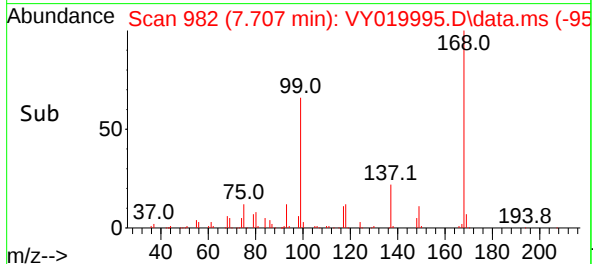
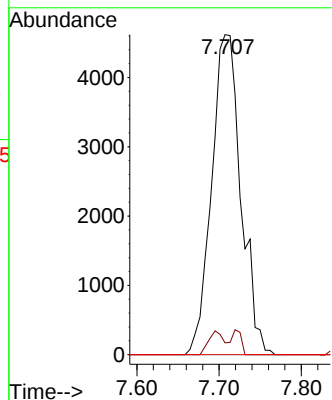


#38
Carbon Tetrachloride
Concen: 5.772 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

Instrument :
MSVOA_Y
ClientSampleId :

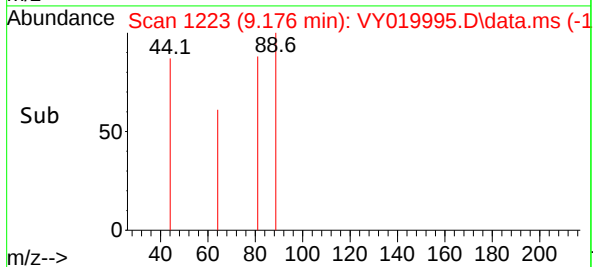
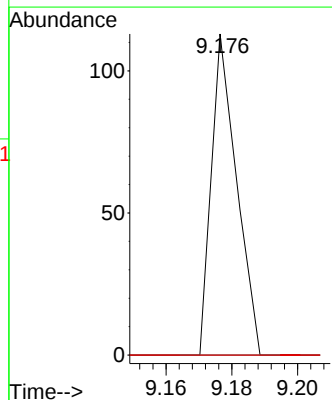
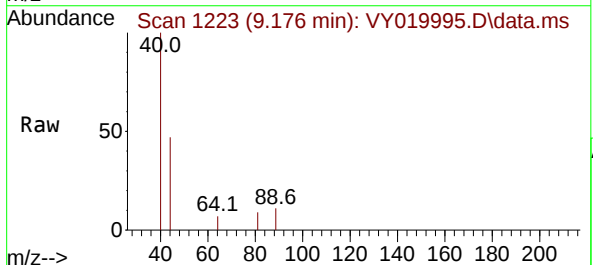


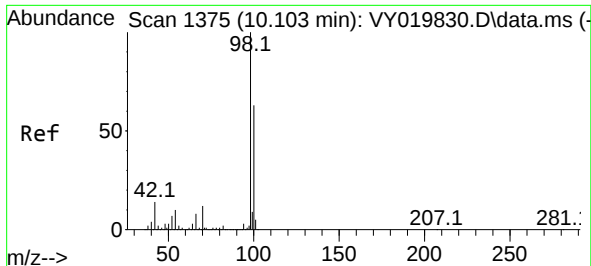
Tgt Ion:117 Resp: 11441
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 7.006 ug/l
RT: 9.176 min Scan# 1223
Delta R.T. -0.055 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 49.3 73.9#

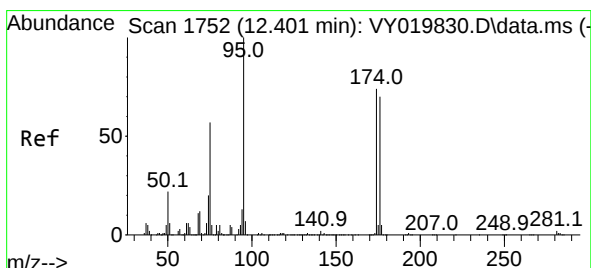
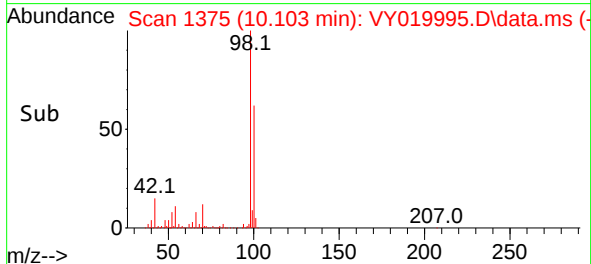
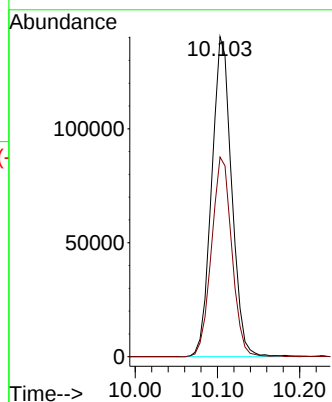
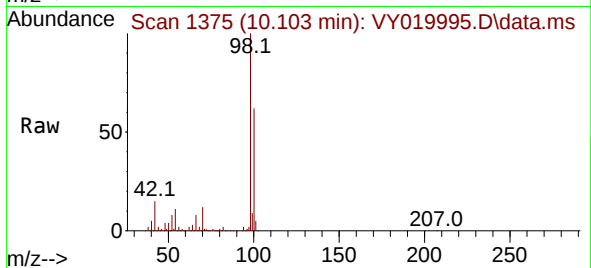




#50
Toluene-d8
Concen: 50.000 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

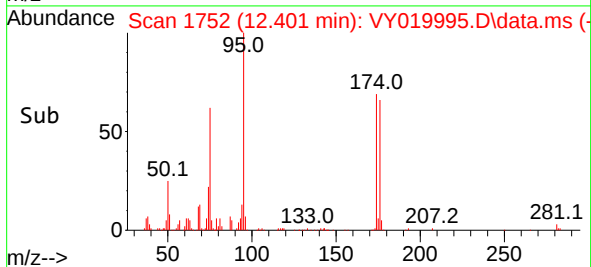
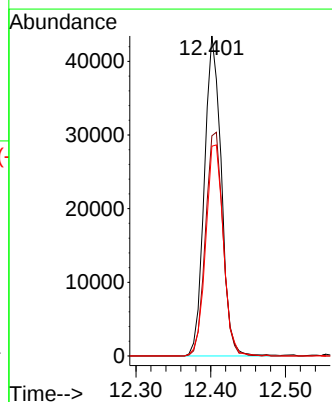
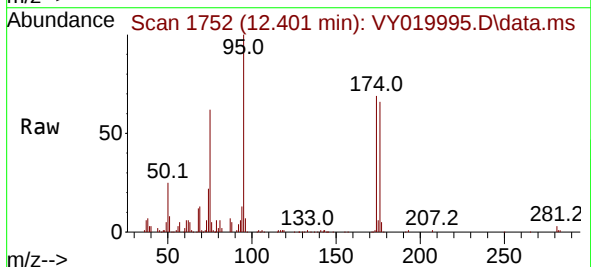
Instrument :
MSVOA_Y
ClientSampleId :

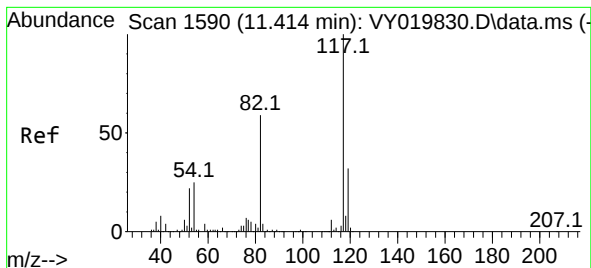
Tgt Ion: 98 Resp: 236959
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 40.008 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

Tgt Ion: 95 Resp: 68510
Ion Ratio Lower Upper
95 100
174 71.8 0.0 175.6
176 68.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019995.D

Acq: 23 Oct 2024 15:32

Instrument :

MSVOA_Y

ClientSampleId :

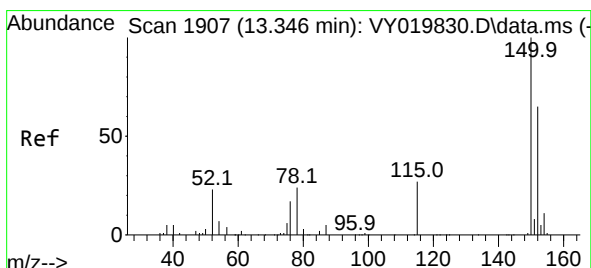
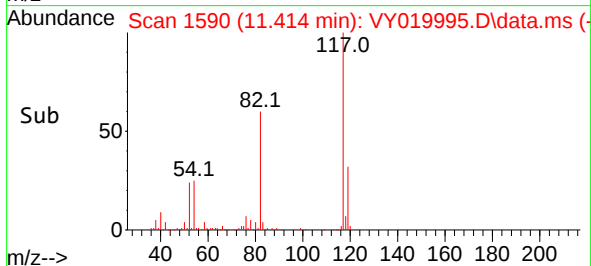
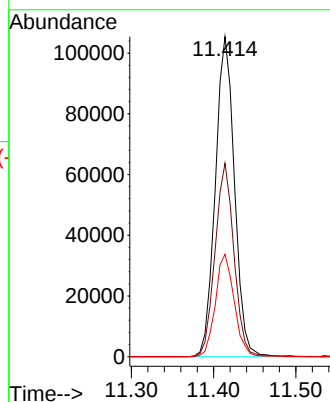
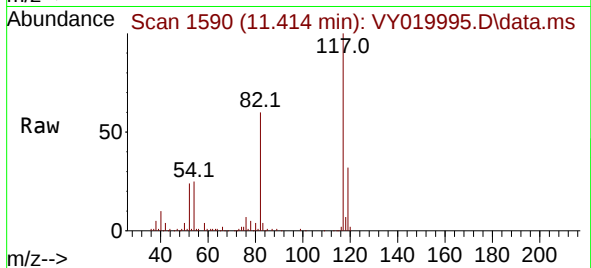
Tgt Ion:117 Resp: 170600

Ion Ratio Lower Upper

117 100

82 60.5 42.4 63.6

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019995.D

Acq: 23 Oct 2024 15:32

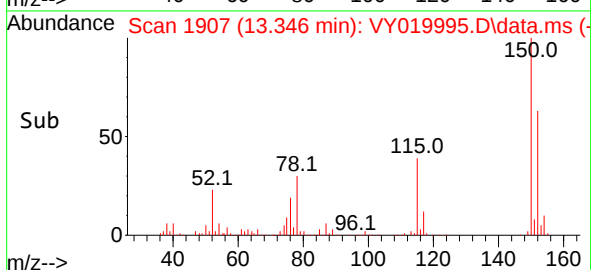
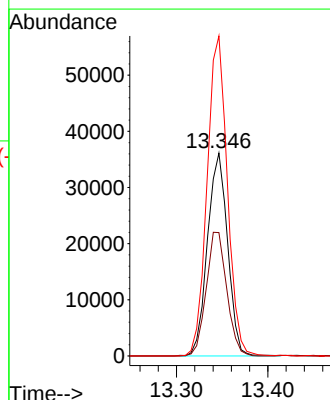
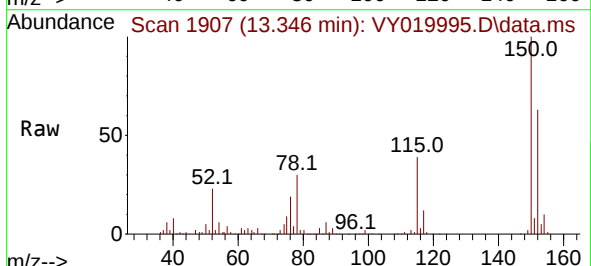
Tgt Ion:152 Resp: 55255

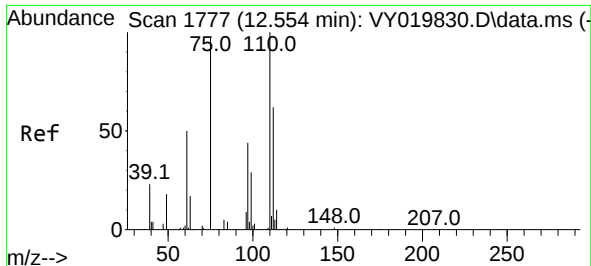
Ion Ratio Lower Upper

152 100

115 62.3 28.2 84.7

150 158.4 0.0 345.6

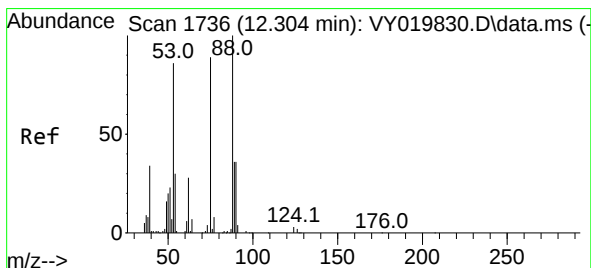
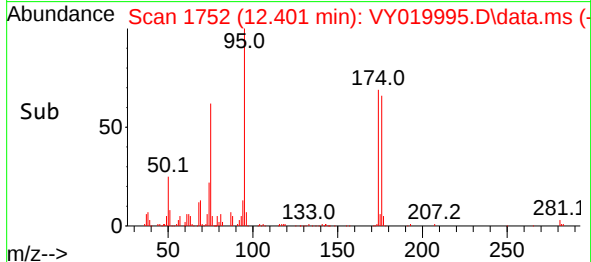
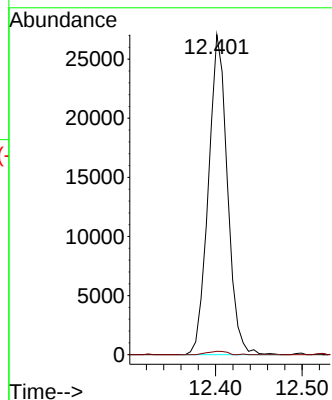
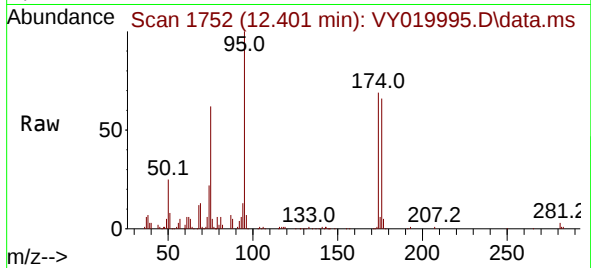




#76
1,2,3-Trichloropropane
Concen: 38.151 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 41296
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 153.991 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019995.D
Acq: 23 Oct 2024 15:32

Tgt Ion: 75 Resp: 41296
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.1 35.8 53.6#

