

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
 Data File : VY019973.D
 Acq On : 22 Oct 2024 12:02
 Operator : SY/MD
 Sample : P4460-03
 Misc : 7.93g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 23 01:26:56 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)

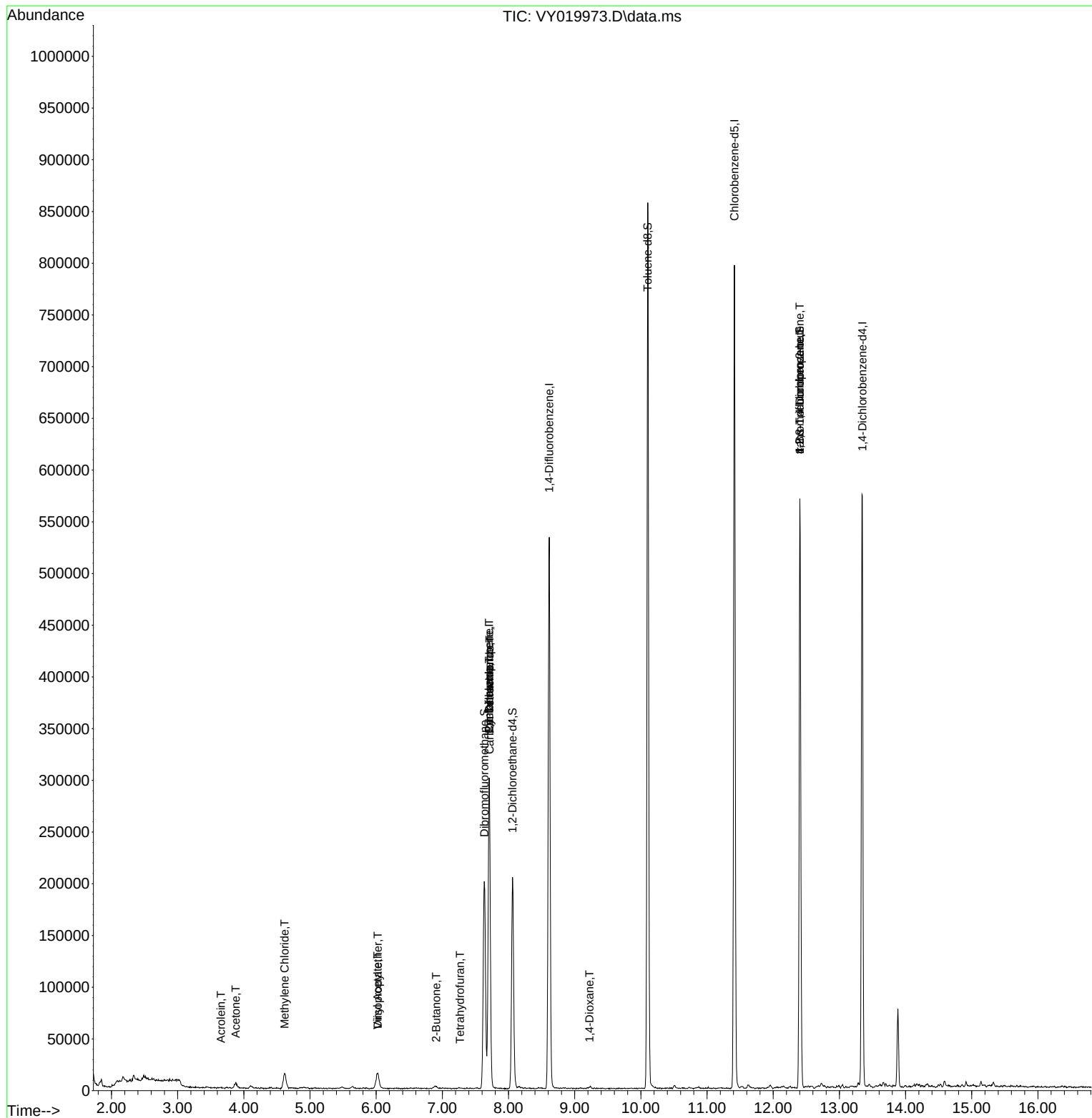
Internal Standards						
1) Pentafluorobenzene	7.707	168	206651	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	420505	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	379777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159854	62.824	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.640%	
35) Dibromofluoromethane	7.634	113	142904	51.499	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.000%	
50) Toluene-d8	10.103	98	519962	50.742	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.402	95	159770	43.150	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 86.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	318	Below Cal	#	88
13) Acrolein	3.653	56	336	1.797	ug/l #	32
16) Acetone	3.879	43	8667	13.085	ug/l #	73
20) Methylene Chloride	4.616	84	10250	3.437	ug/l #	82
22) Diisopropyl ether	6.025	45	19096	2.192	ug/l #	94
23) Vinyl Acetate	6.019	43	11111	2.224	ug/l #	67
25) 2-Butanone	6.909	43	1703	1.921	ug/l #	41
29) Tetrahydrofuran	7.268	42	675	1.333	ug/l #	40
31) Cyclohexane	7.707	56	6512	1.532	ug/l #	38
36) 1,1-Dichloropropene	7.707	75	20815	5.207	ug/l #	50
38) Carbon Tetrachloride	7.713	117	24724	5.769	ug/l #	16
49) 1,4-Dioxane	9.225	88	658	35.534	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	93664	35.641	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	93664	143.862	ug/l #	16

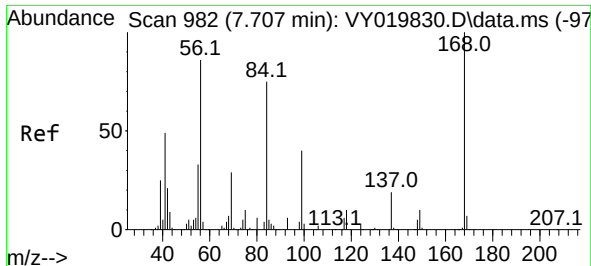
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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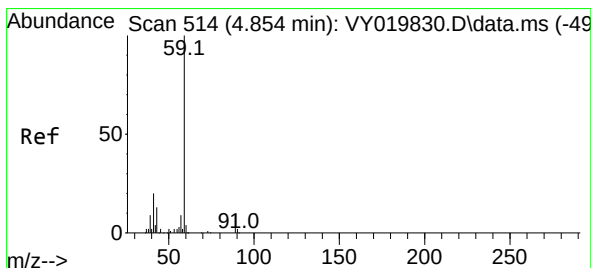
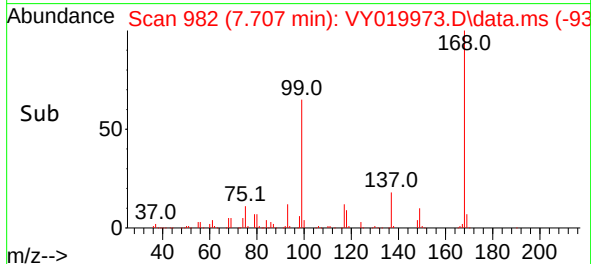
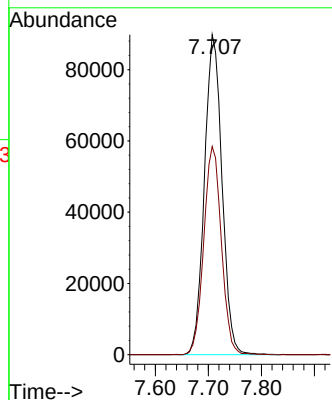
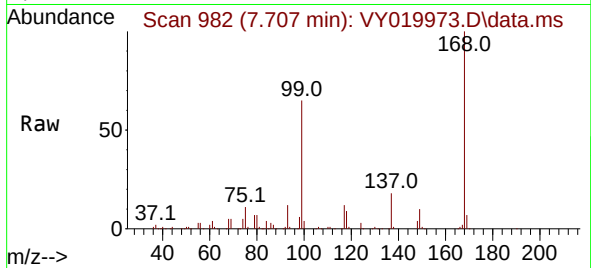




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

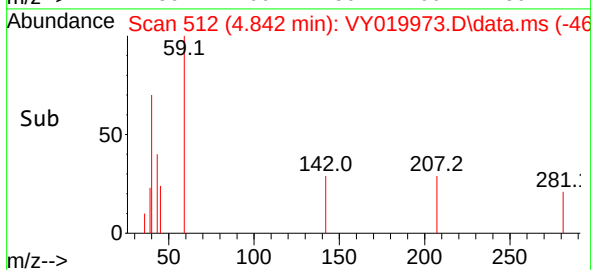
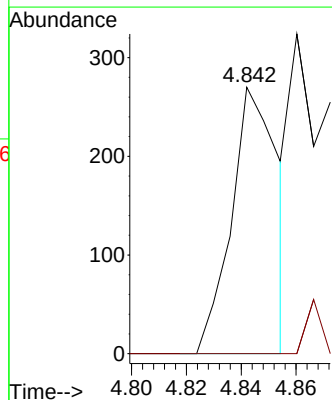
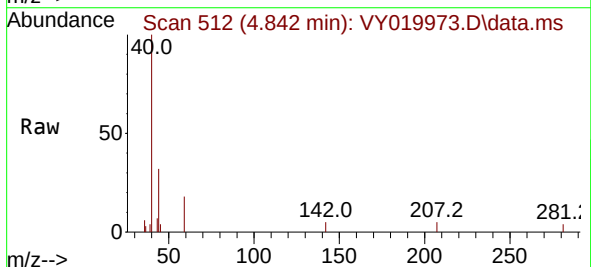
Instrument :
MSVOA_Y
ClientSampleId :

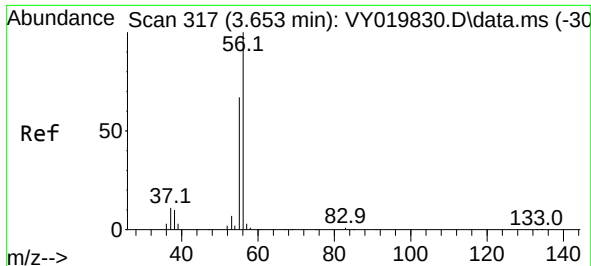
Tgt Ion:168 Resp: 206651
Ion Ratio Lower Upper
168 100
99 65.1 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

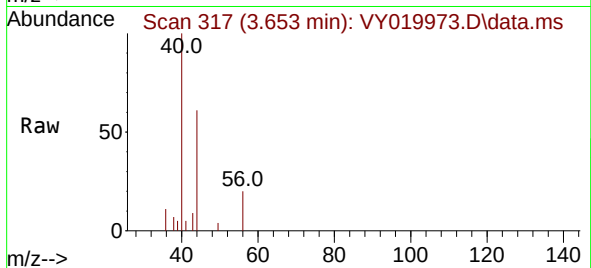
Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



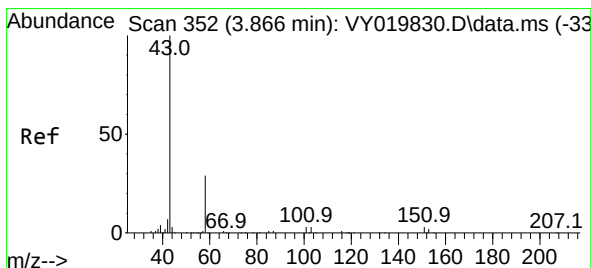
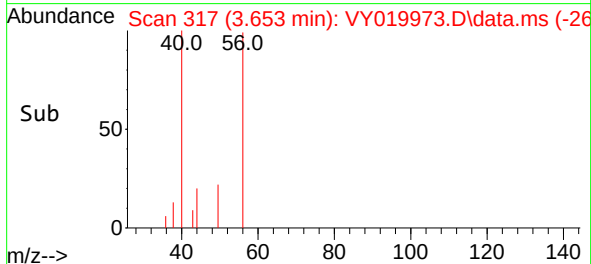
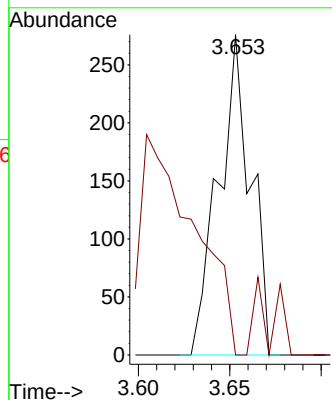


#13
Acrolein
Concen: 1.797 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Instrument :
MSVOA_Y
ClientSampleId :

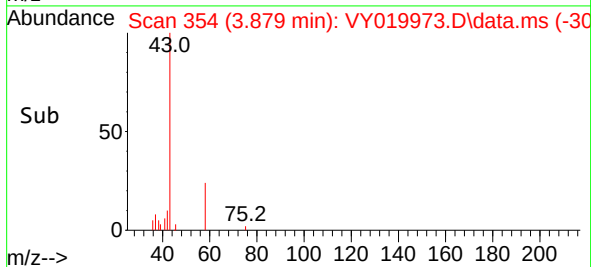
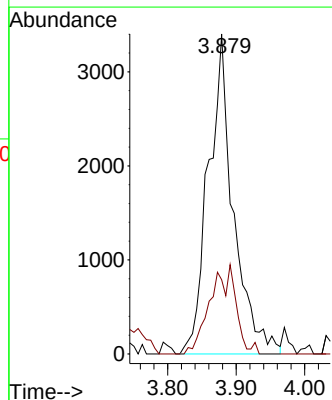
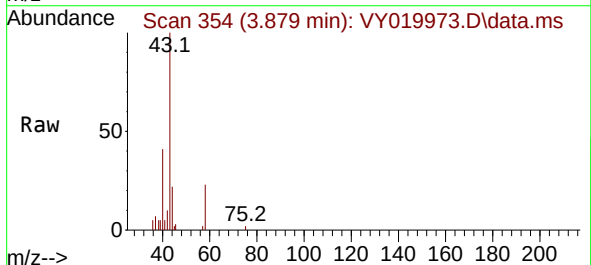


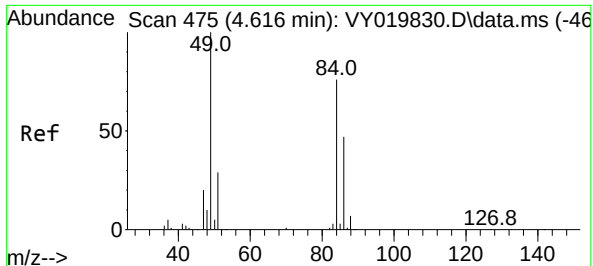
Tgt Ion: 56 Resp: 336
Ion Ratio Lower Upper
56 100
55 14.0 55.7 83.5#



#16
Acetone
Concen: 13.085 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 43 Resp: 8667
Ion Ratio Lower Upper
43 100
58 23.2 31.7 47.5#





#20

Methylene Chloride

Concen: 3.437 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019973.D

Acq: 22 Oct 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 10250

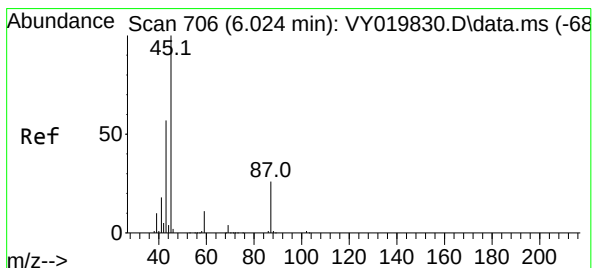
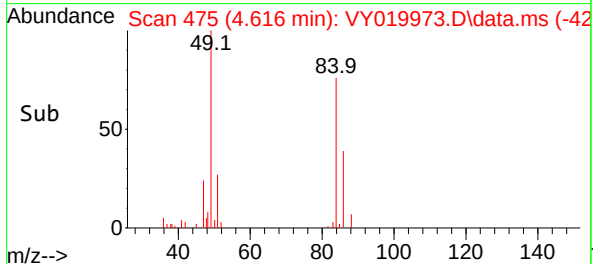
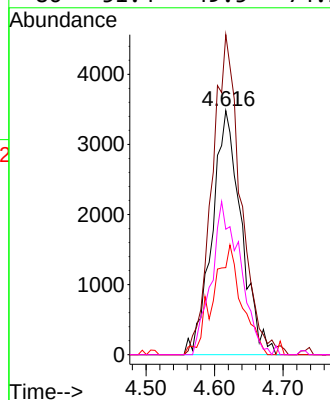
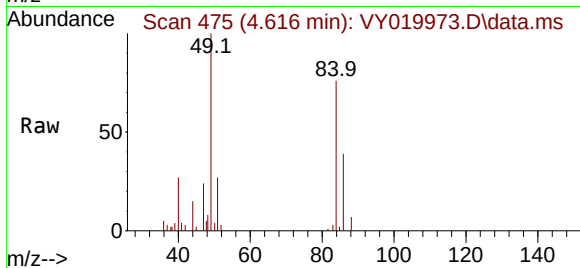
Ion Ratio Lower Upper

84 100

49 131.2 84.4 126.6#

51 35.7 26.0 39.0

86 51.4 49.5 74.3



#22

Diisopropyl ether

Concen: 2.192 ug/l

RT: 6.025 min Scan# 706

Delta R.T. 0.007 min

Lab File: VY019973.D

Acq: 22 Oct 2024 12:02

Tgt Ion: 45 Resp: 19096

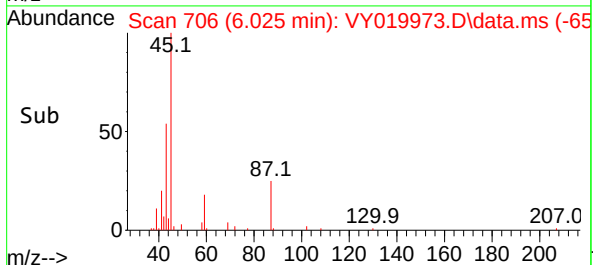
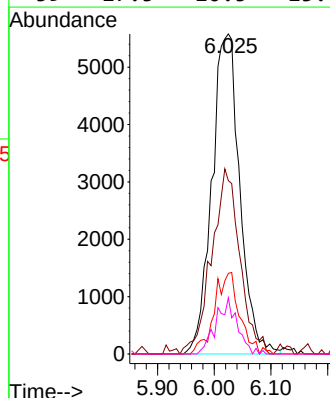
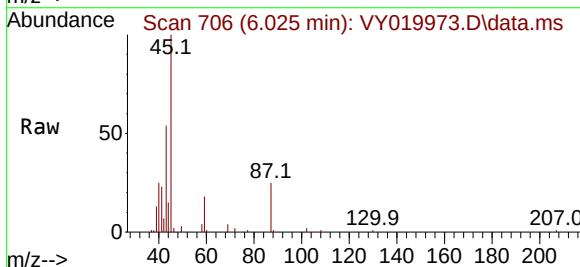
Ion Ratio Lower Upper

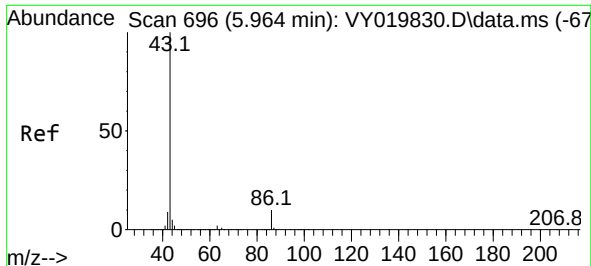
45 100

43 54.1 42.2 63.2

87 25.2 25.0 37.6

59 17.5 10.5 15.7#

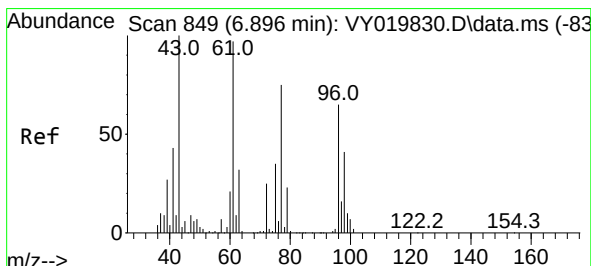
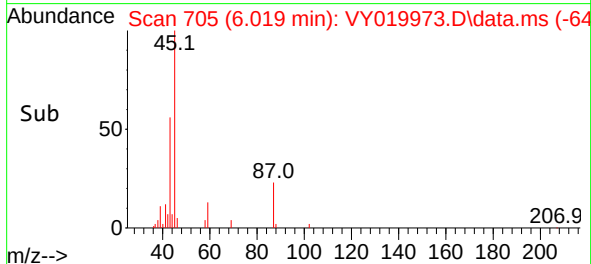
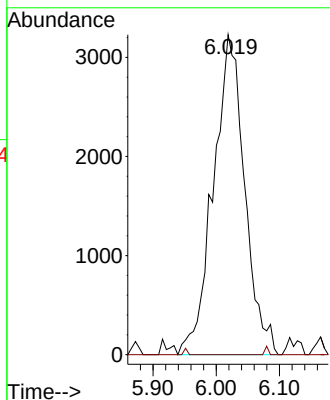
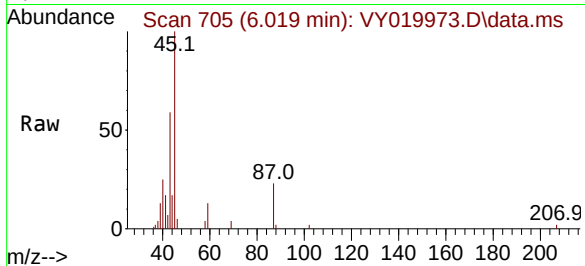




#23
 Vinyl Acetate
 Concen: 2.224 ug/l
 RT: 6.019 min Scan# 705
 Delta R.T. 0.061 min
 Lab File: VY019973.D
 Acq: 22 Oct 2024 12:02

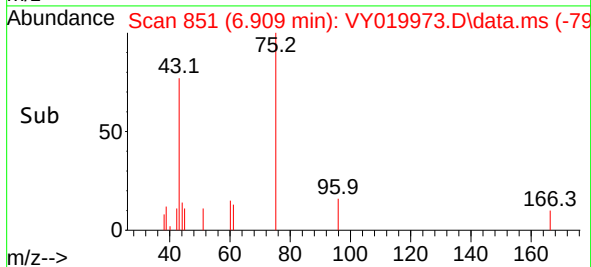
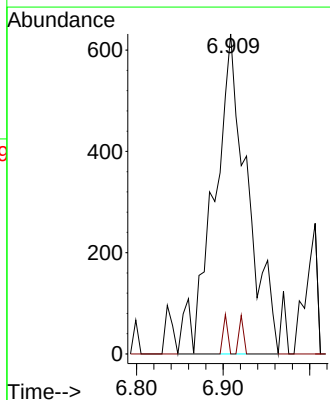
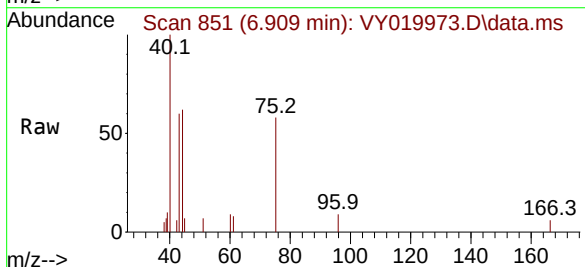
Instrument :
 MSVOA_Y
 ClientSampleId :

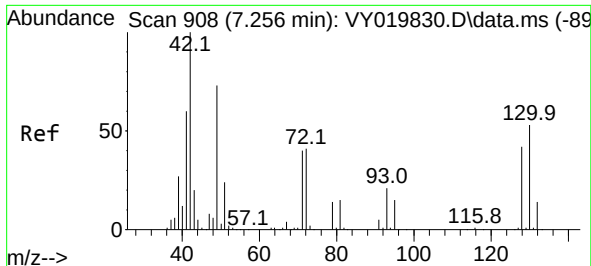
Tgt Ion: 43 Resp: 11111
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.6 16.0#



#25
 2-Butanone
 Concen: 1.921 ug/l
 RT: 6.909 min Scan# 851
 Delta R.T. 0.019 min
 Lab File: VY019973.D
 Acq: 22 Oct 2024 12:02

Tgt Ion: 43 Resp: 1703
 Ion Ratio Lower Upper
 43 100
 72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 1.333 ug/l

RT: 7.268 min Scan# 910

Delta R.T. 0.007 min

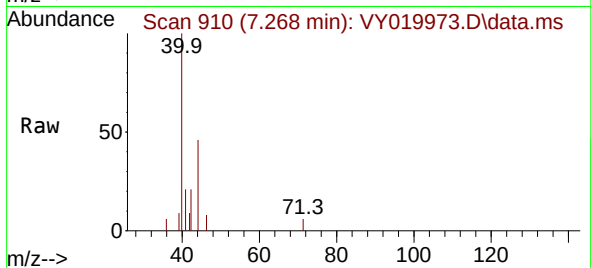
Lab File: VY019973.D

Acq: 22 Oct 2024 12:02

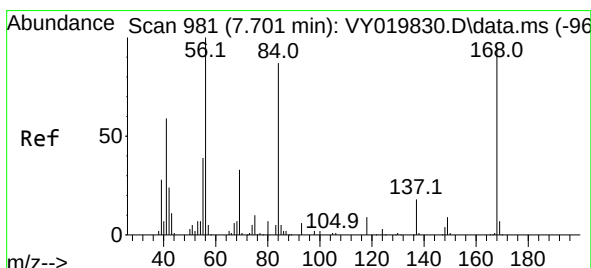
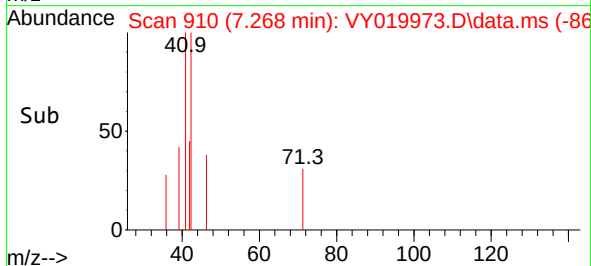
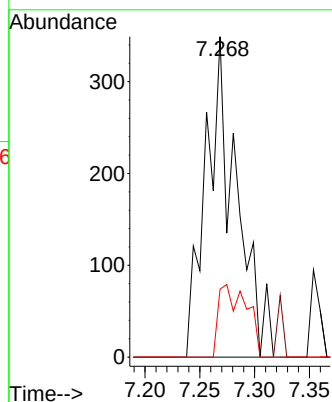
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	675
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	20.7	40.8	61.2#



#31

Cyclohexane

Concen: 1.532 ug/l

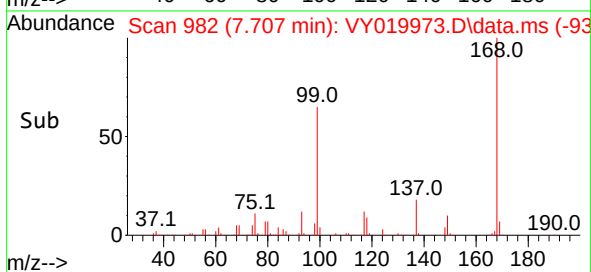
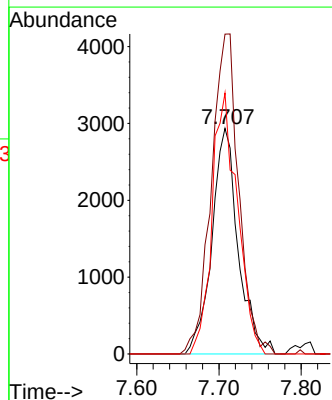
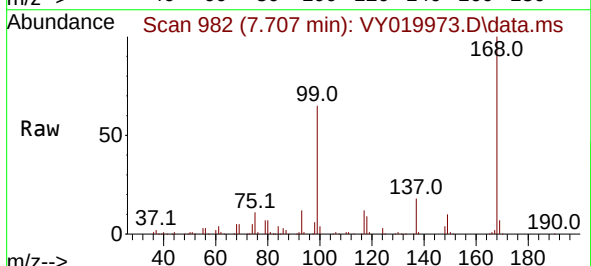
RT: 7.707 min Scan# 982

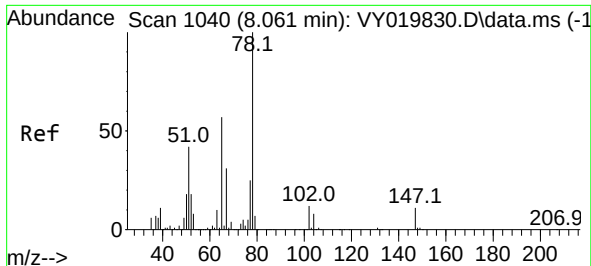
Delta R.T. 0.007 min

Lab File: VY019973.D

Acq: 22 Oct 2024 12:02

Tgt Ion:	56	Resp:	6512
Ion	Ratio	Lower	Upper
56	100		
69	141.8	28.7	43.1#
84	115.7	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 62.824 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019973.D

Acq: 22 Oct 2024 12:02

Instrument :

MSVOA_Y

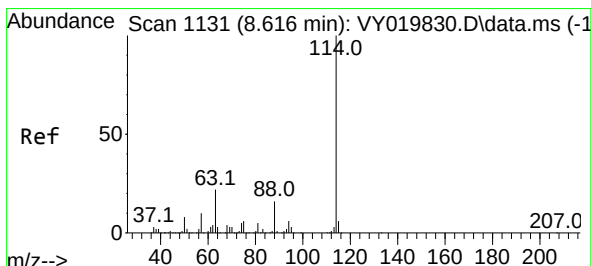
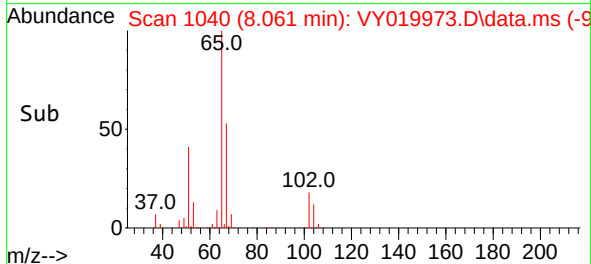
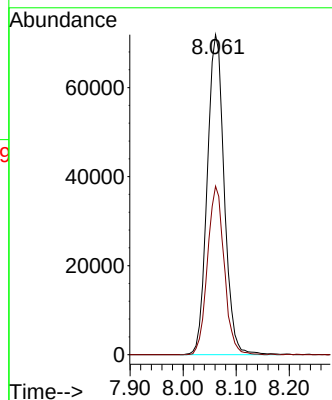
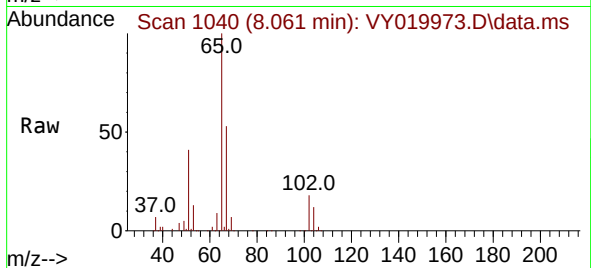
ClientSampleId :

Tgt Ion: 65 Resp: 159854

Ion Ratio Lower Upper

65 100

67 51.9 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: VY019973.D

Acq: 22 Oct 2024 12:02

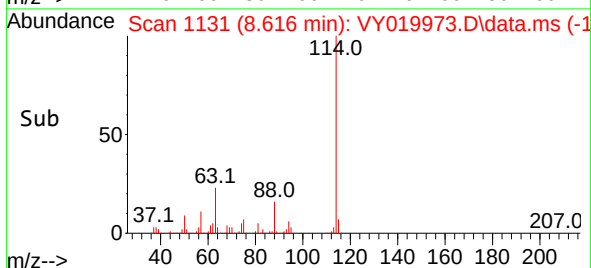
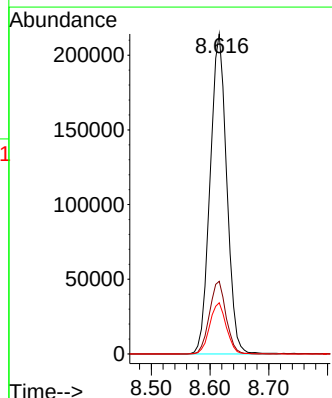
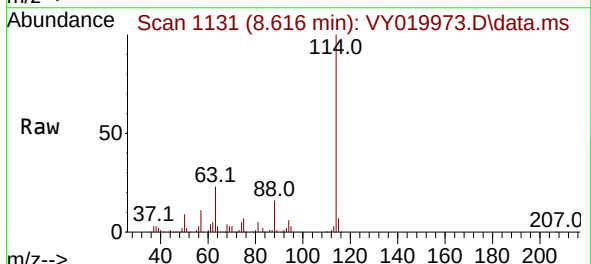
Tgt Ion: 114 Resp: 420505

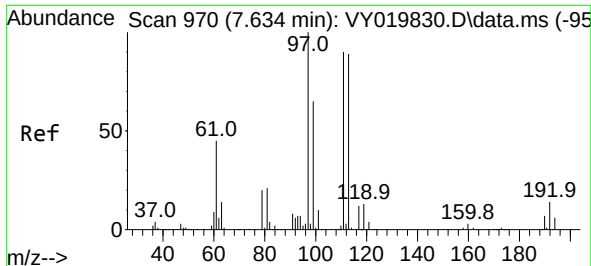
Ion Ratio Lower Upper

114 100

63 22.7 0.0 35.0

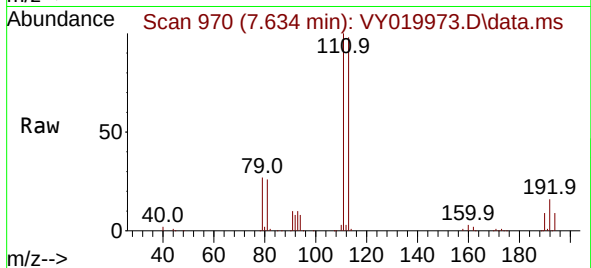
88 16.0 0.0 27.2



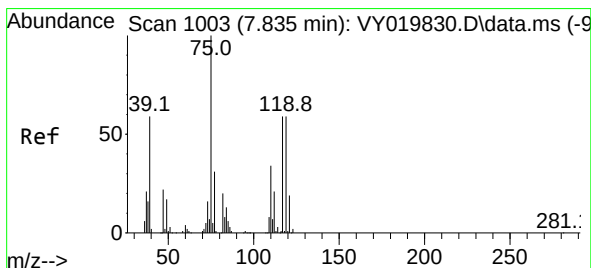
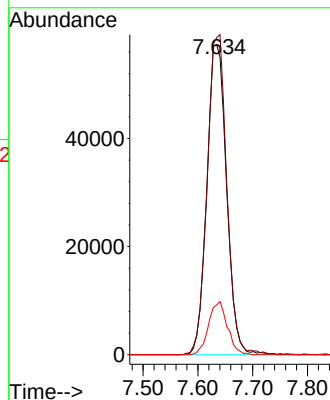
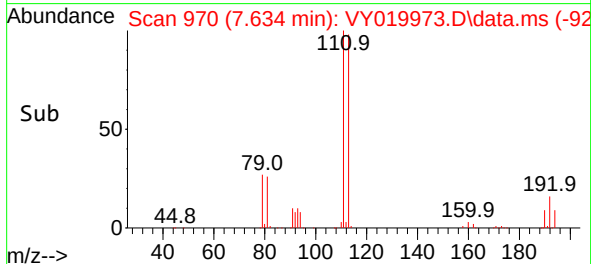


#35
Dibromofluoromethane
Concen: 51.499 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

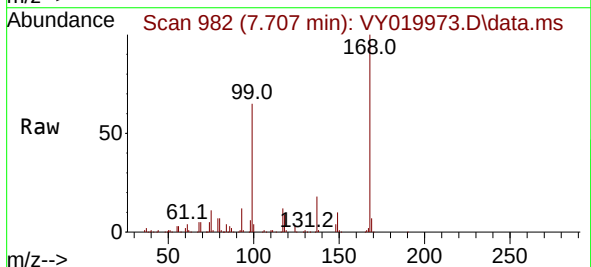
Instrument :
MSVOA_Y
ClientSampleId :



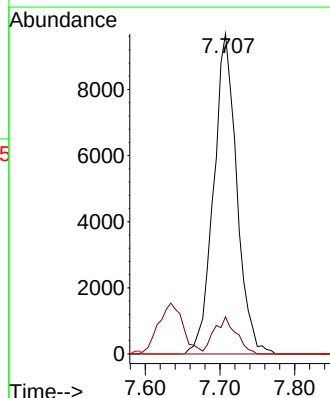
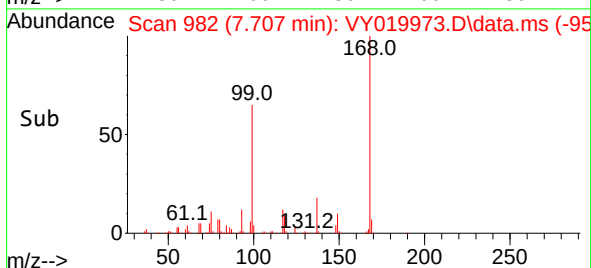
Tgt Ion:113 Resp: 142904
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 16.3 15.9 23.9

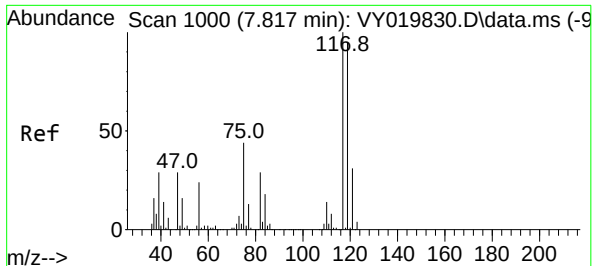


#36
1,1-Dichloropropene
Concen: 5.207 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02



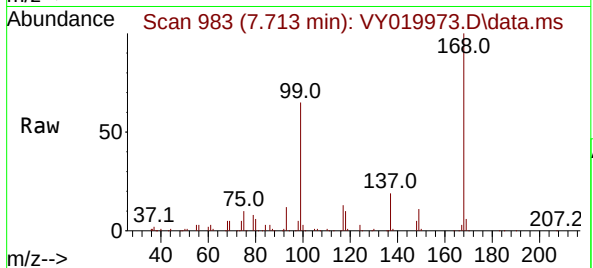
Tgt Ion: 75 Resp: 20815
Ion Ratio Lower Upper
75 100
110 10.9 19.0 57.0#
77 0.0 25.3 37.9#



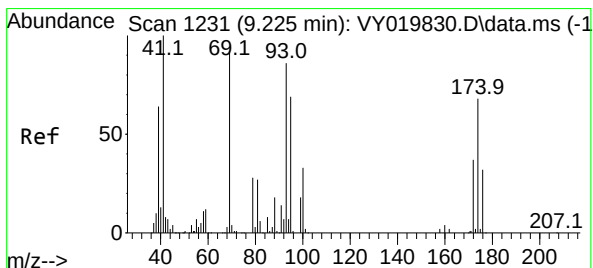
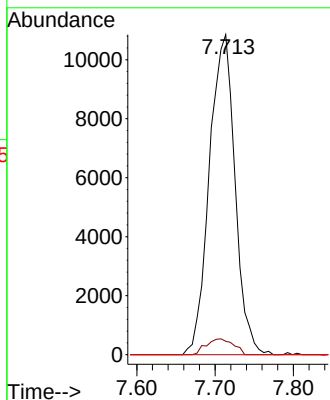
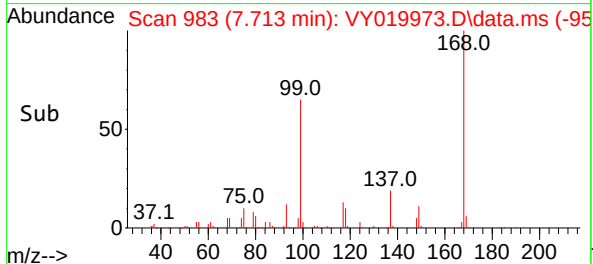


#38
Carbon Tetrachloride
Concen: 5.769 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

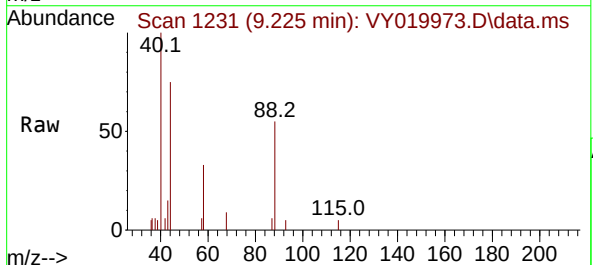
Instrument :
MSVOA_Y
ClientSampleId :



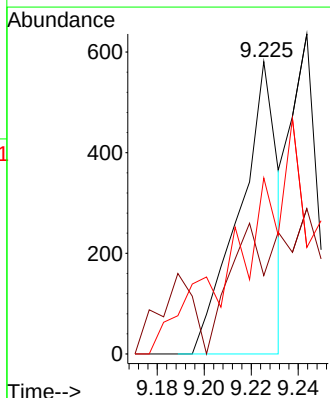
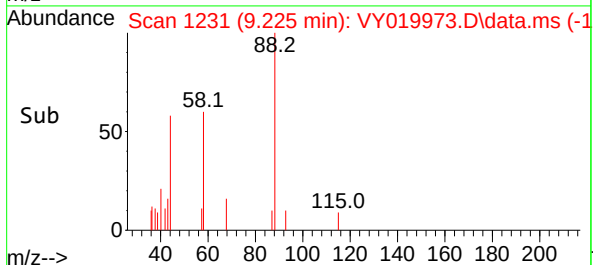
Tgt Ion:117 Resp: 24724
Ion Ratio Lower Upper
117 100
119 4.2 75.8 113.6#
121 0.0 24.0 36.0#

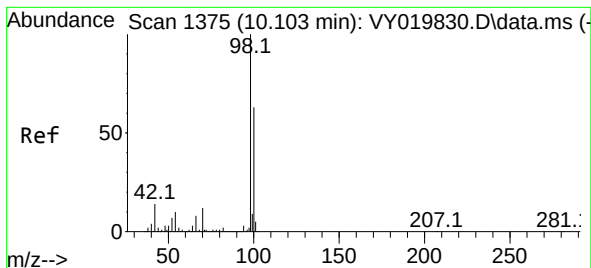


#49
1,4-Dioxane
Concen: 35.534 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02



Tgt Ion: 88 Resp: 658
Ion Ratio Lower Upper
88 100
43 40.1 0.0 0.0#
58 146.4 49.3 73.9#

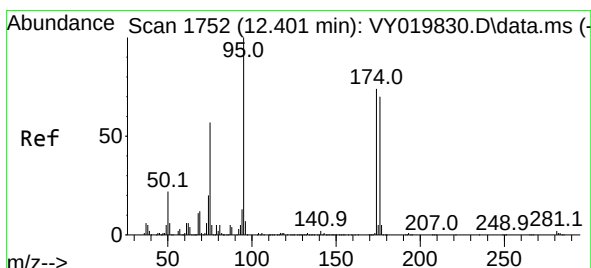
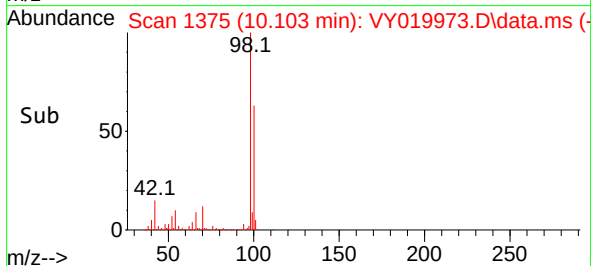
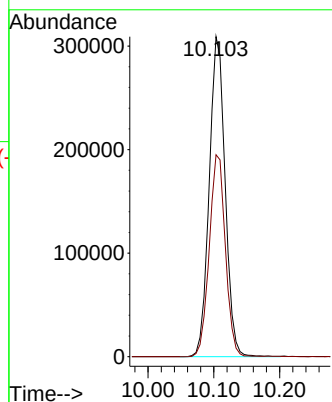
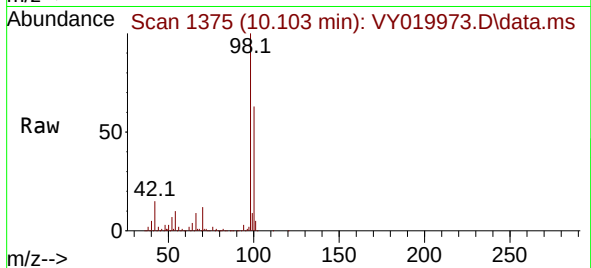




#50
Toluene-d8
Concen: 50.742 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

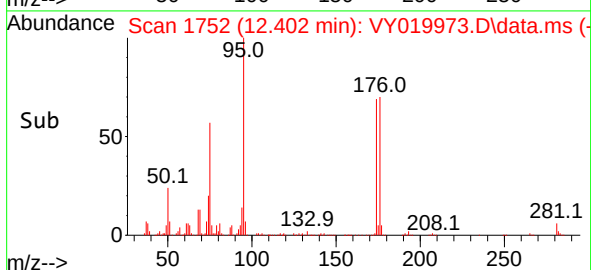
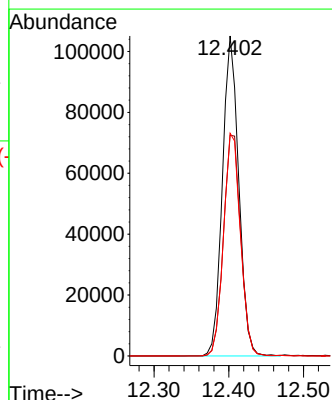
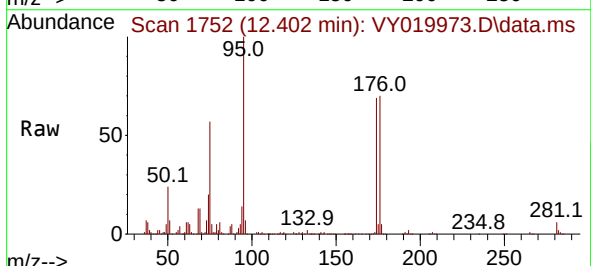
Instrument :
MSVOA_Y
ClientSampleId :

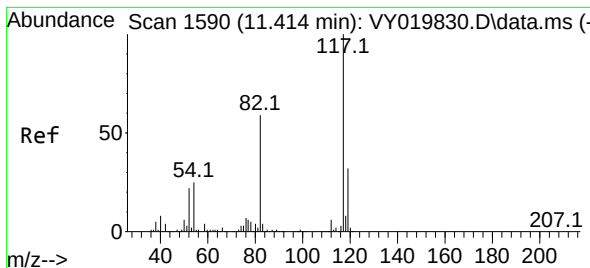
Tgt Ion: 98 Resp: 519962
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.150 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 95 Resp: 159770
Ion Ratio Lower Upper
95 100
174 72.9 0.0 175.6
176 72.0 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: VY019973.D

Acq: 22 Oct 2024 12:02

Instrument :

MSVOA_Y

ClientSampleId :

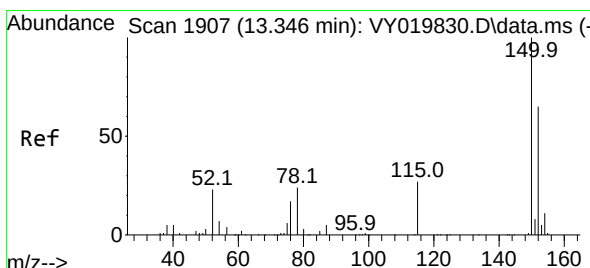
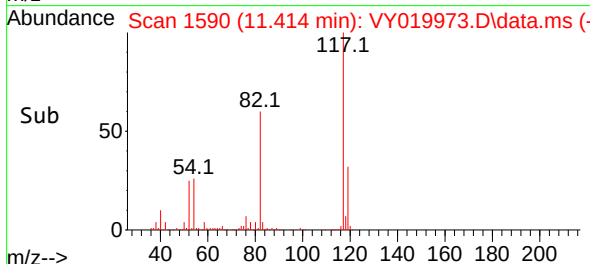
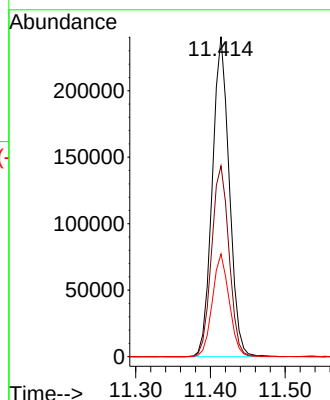
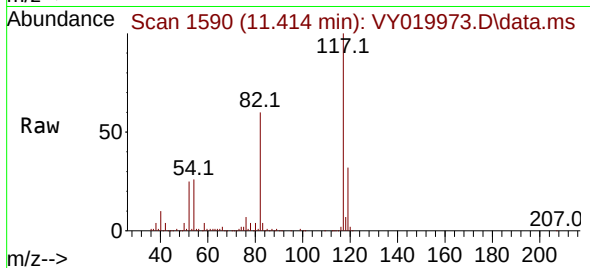
Tgt Ion:117 Resp: 379777

Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019973.D

Acq: 22 Oct 2024 12:02

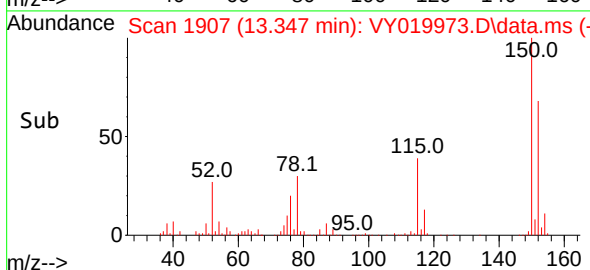
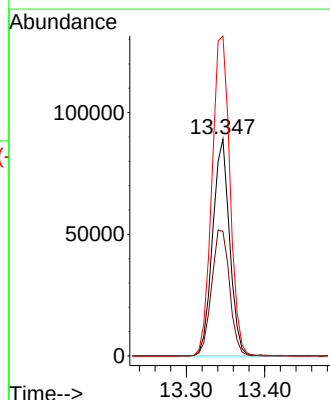
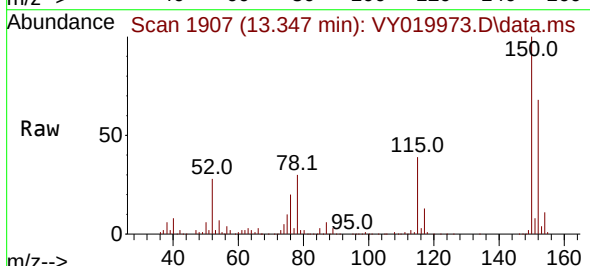
Tgt Ion:152 Resp: 134149

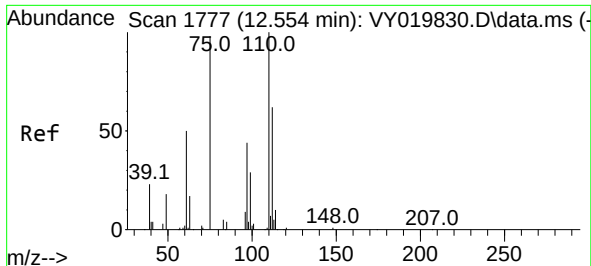
Ion Ratio Lower Upper

152 100

115 61.7 28.2 84.7

150 156.6 0.0 345.6

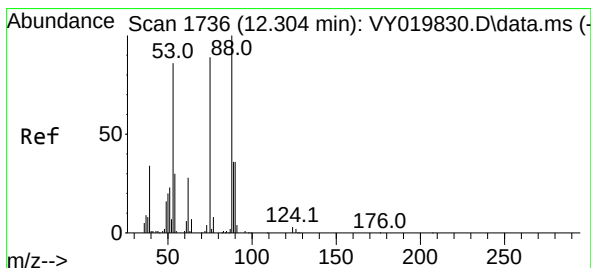
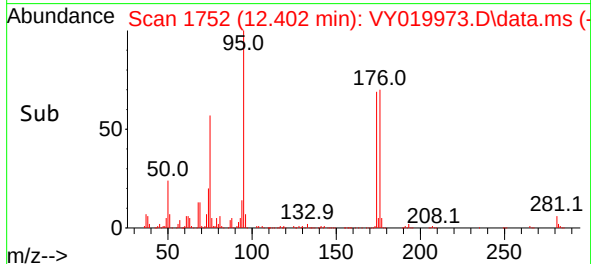
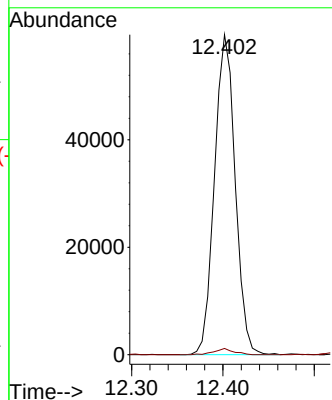
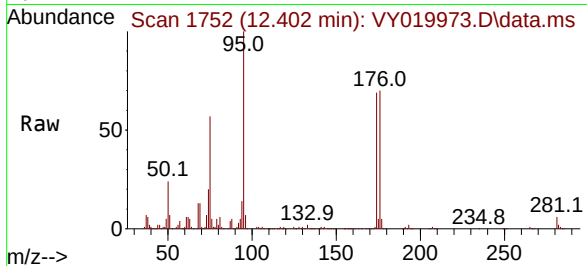




#76
1,2,3-Trichloropropane
Concen: 35.641 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 93664
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.862 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019973.D
Acq: 22 Oct 2024 12:02

Tgt Ion: 75 Resp: 93664
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.6 35.8 53.6#

