

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
 Data File : VY020066.D
 Acq On : 29 Oct 2024 17:09
 Operator : SY/MD
 Sample : P4594-19
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 30 01:27:40 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)

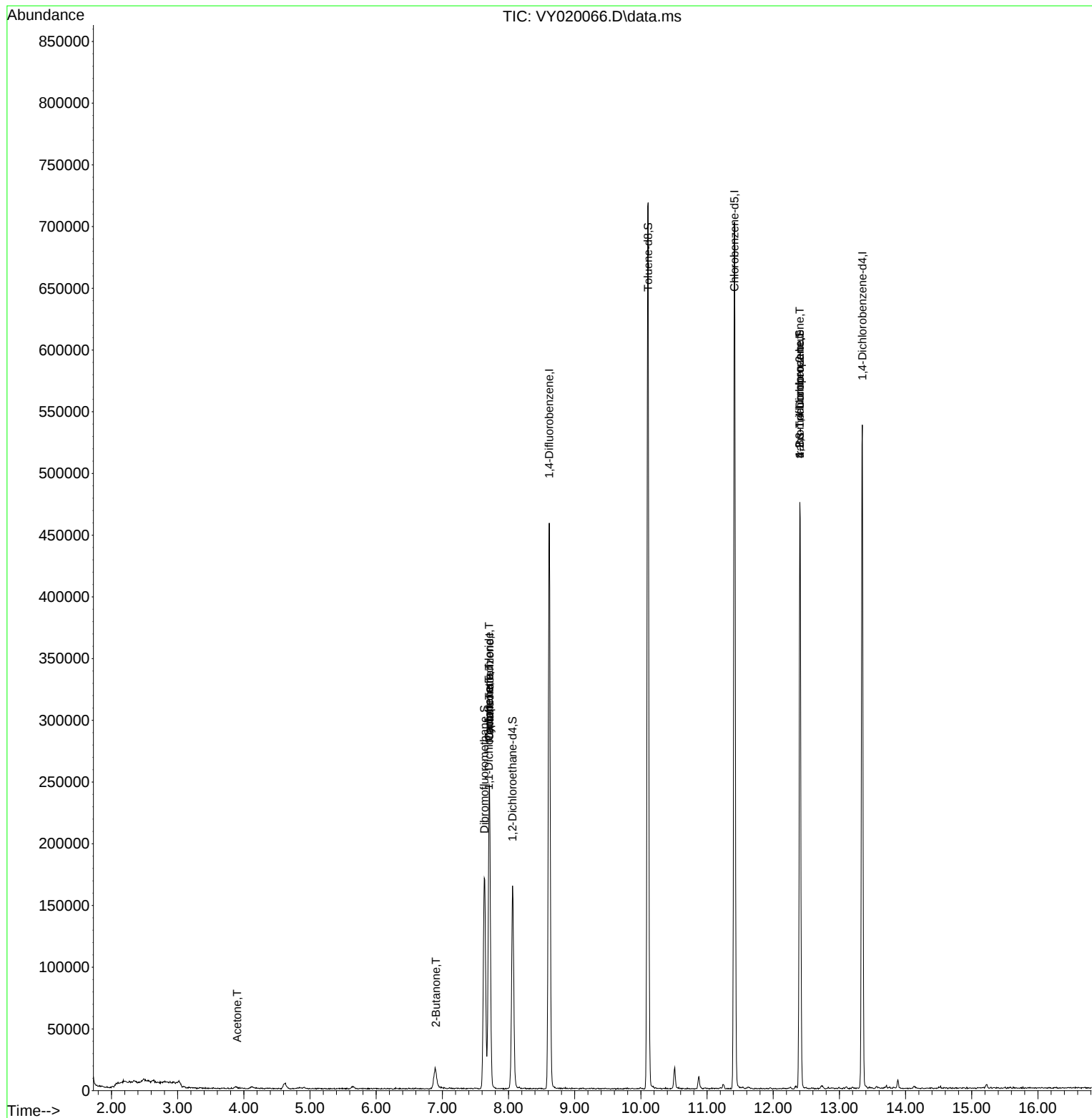
Internal Standards						
1) Pentafluorobenzene	7.713	168	171313	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	366653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	339395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125283	59.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.780%	
35) Dibromofluoromethane	7.634	113	122424	50.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.200%	
50) Toluene-d8	10.109	98	457676	51.223	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.440%	
62) 4-Bromofluorobenzene	12.402	95	139634	43.251	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 86.500%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	801	Below Cal	#	88
16) Acetone	3.897	43	3301	6.012	ug/l #	46
25) 2-Butanone	6.903	43	1482	2.016	ug/l #	41
31) Cyclohexane	7.707	56	5212	1.479	ug/l #	60
36) 1,1-Dichloropropene	7.701	75	16914	4.852	ug/l #	49
38) Carbon Tetrachloride	7.707	117	19381	5.187	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	81167	33.994	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	81167	137.211	ug/l #	16

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

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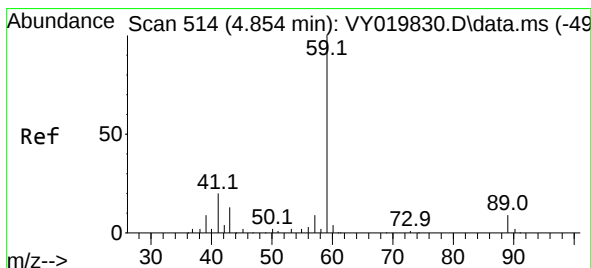
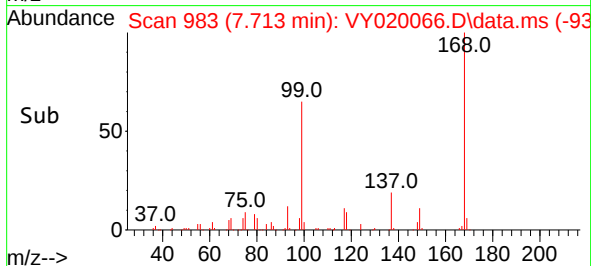
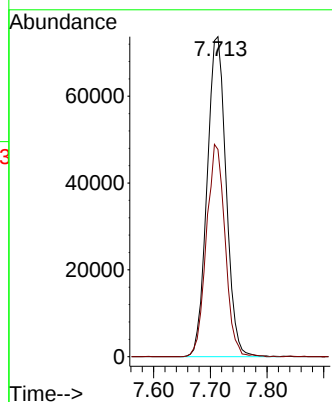
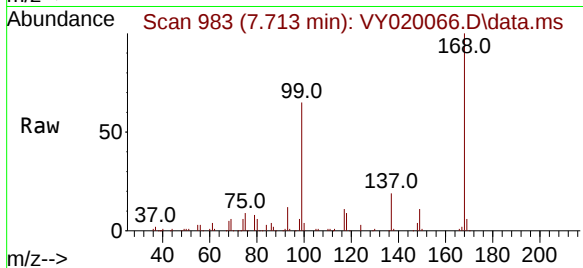




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

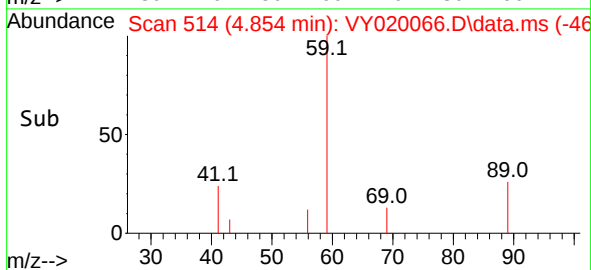
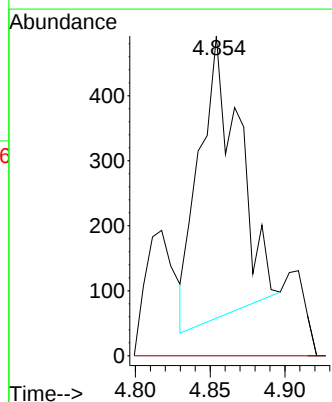
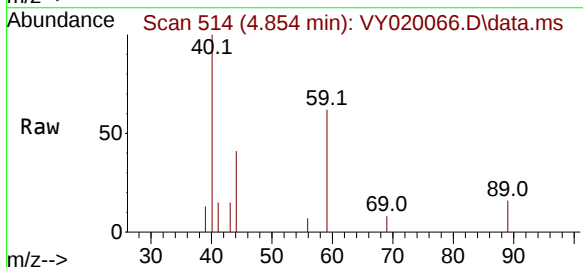
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 171313
Ion Ratio Lower Upper
168 100
99 64.7 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

Tgt Ion: 59 Resp: 801
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

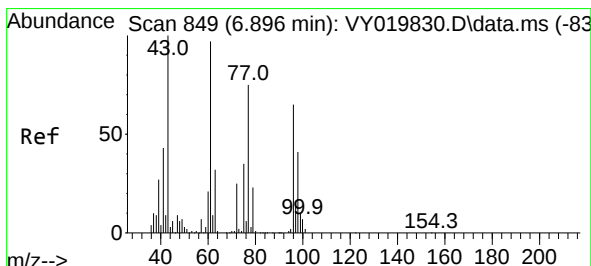
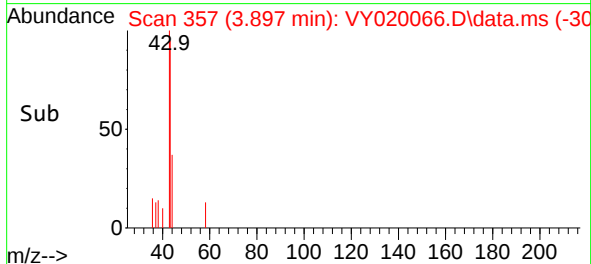
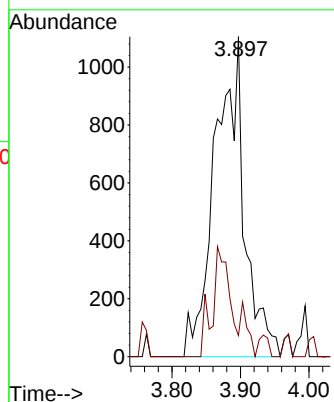
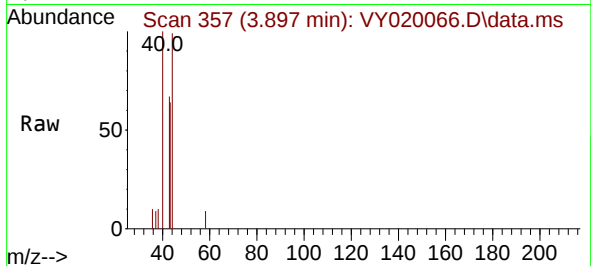




#16
Acetone
Concen: 6.012 ug/l
RT: 3.897 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

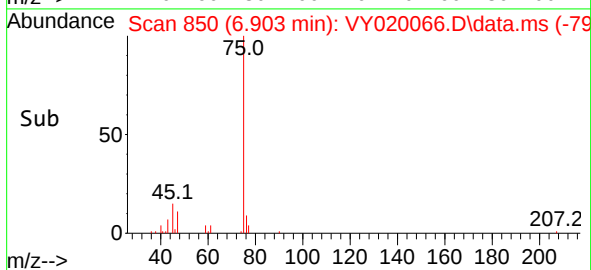
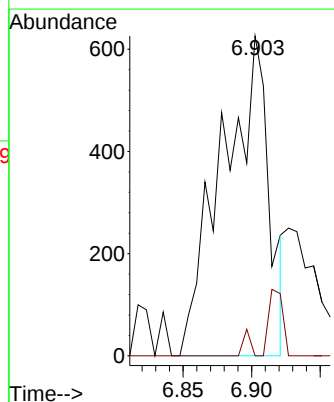
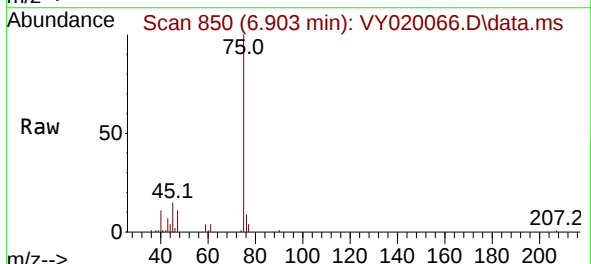
Instrument :
MSVOA_Y
ClientSampleId :

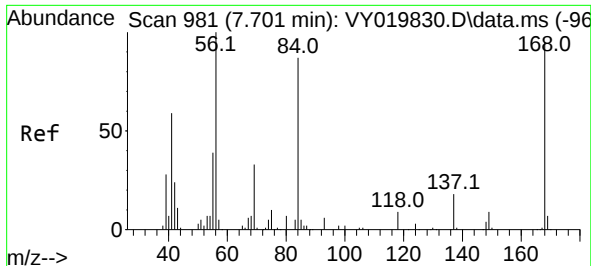
Tgt Ion: 43 Resp: 3301
Ion Ratio Lower Upper
43 100
58 6.6 31.7 47.5#



#25
2-Butanone
Concen: 2.016 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.013 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

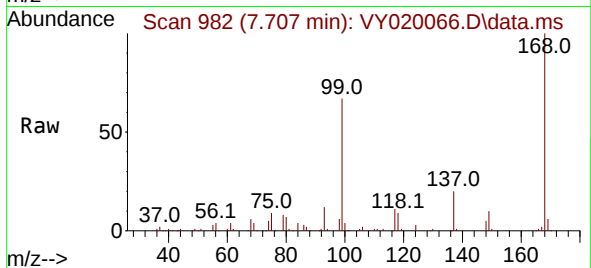
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



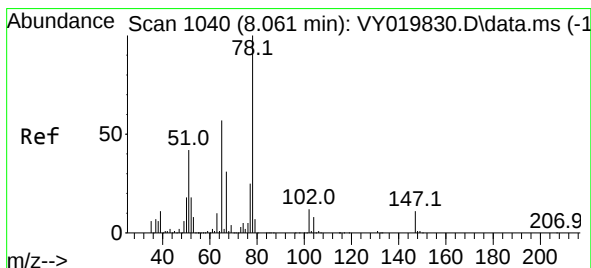
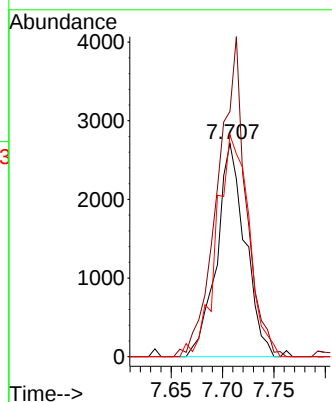
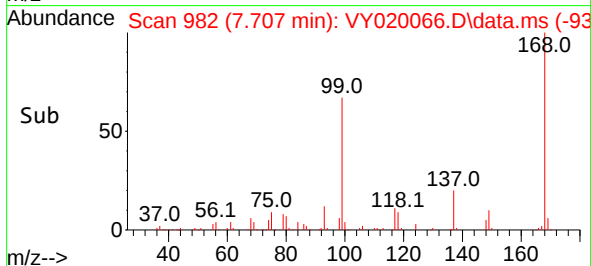


#31
Cyclohexane
Concen: 1.479 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :

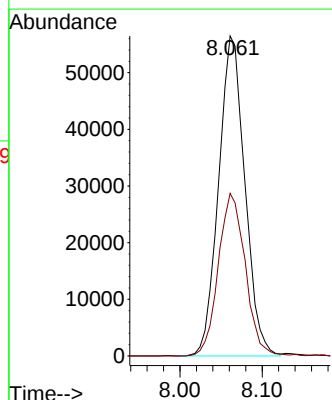
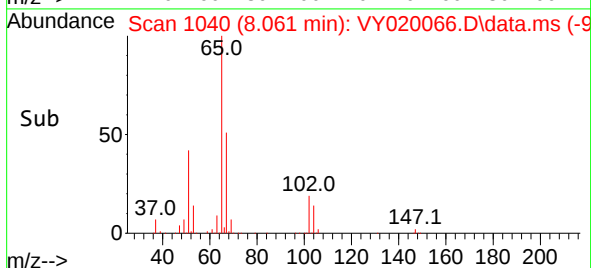
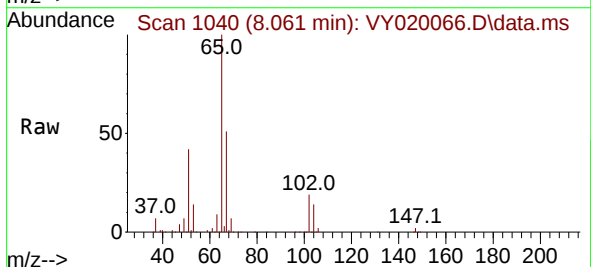


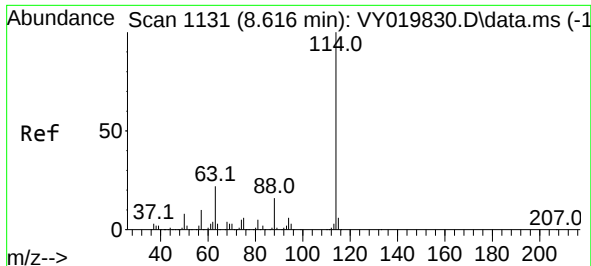
Tgt Ion: 56 Resp: 5212
Ion Ratio Lower Upper
56 100
69 112.6 28.7 43.1#
84 104.0 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 59.394 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

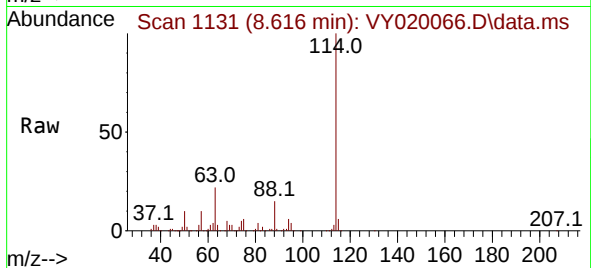
Tgt Ion: 65 Resp: 125283
Ion Ratio Lower Upper
65 100
67 52.2 0.0 109.6



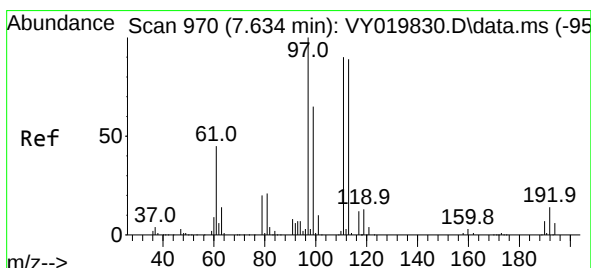
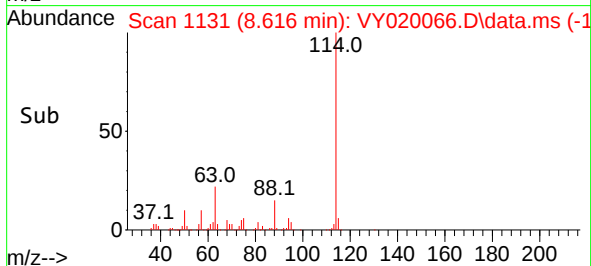
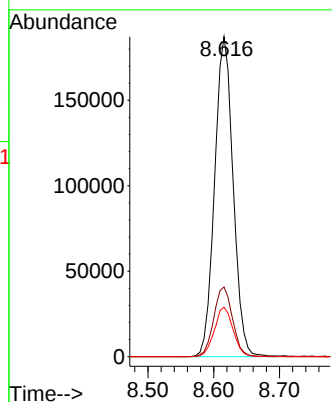


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

Instrument :
MSVOA_Y
ClientSampleId :

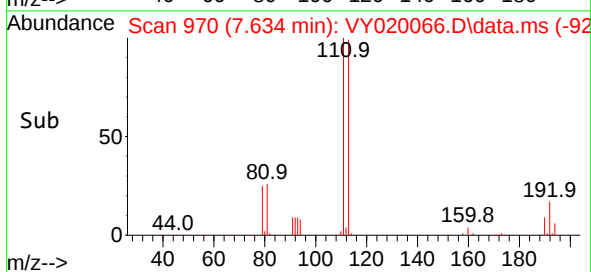
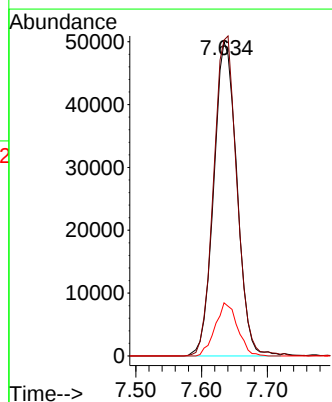
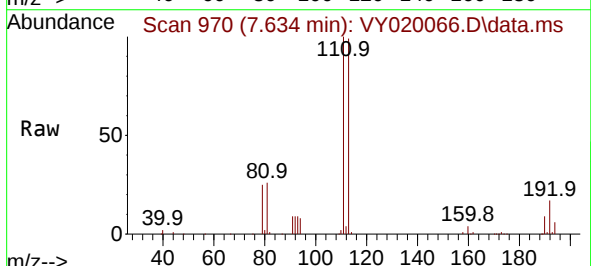


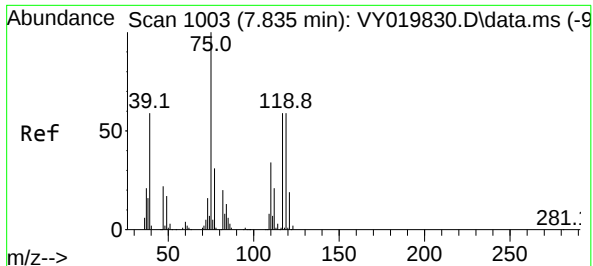
Tgt Ion:114 Resp: 366653
Ion Ratio Lower Upper
114 100
63 21.8 0.0 35.0
88 15.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.599 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

Tgt Ion:113 Resp: 122424
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 16.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.852 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

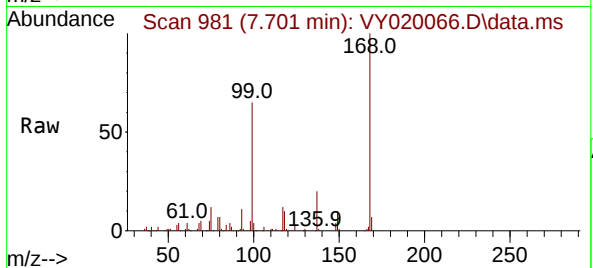
Lab File: VY020066.D

Acq: 29 Oct 2024 17:09

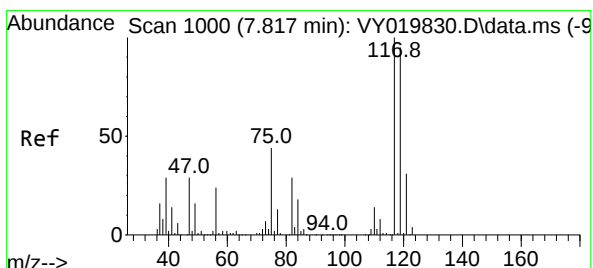
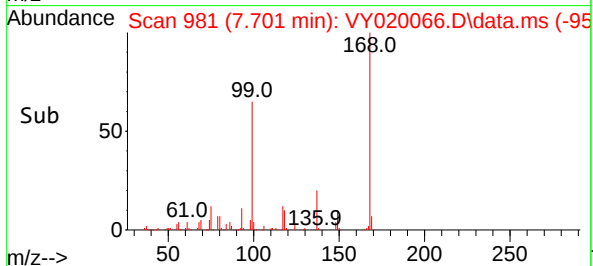
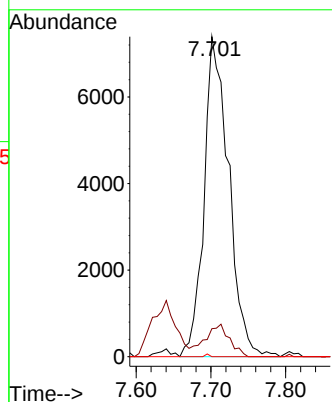
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	16914
Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.0	57.0#
77	0.1	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 5.187 ug/l

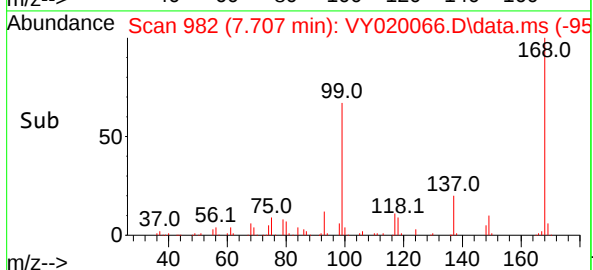
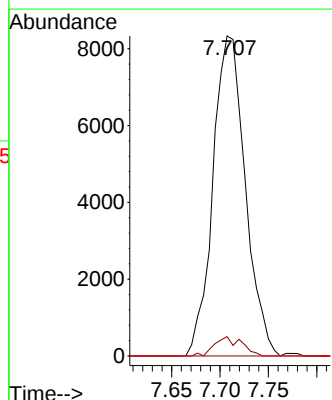
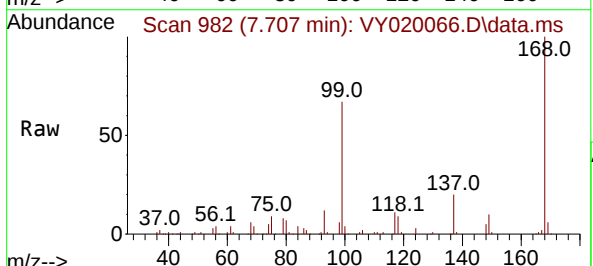
RT: 7.707 min Scan# 982

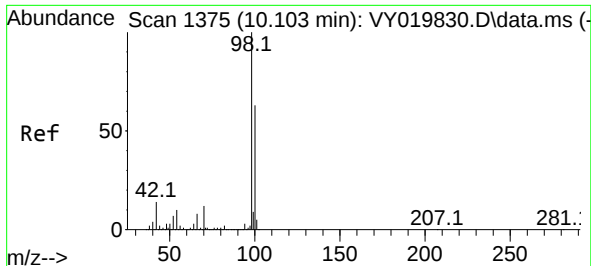
Delta R.T. -0.109 min

Lab File: VY020066.D

Acq: 29 Oct 2024 17:09

Tgt Ion:	117	Resp:	19381
Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	24.0	36.0#

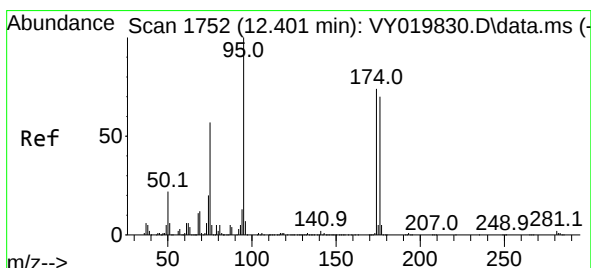
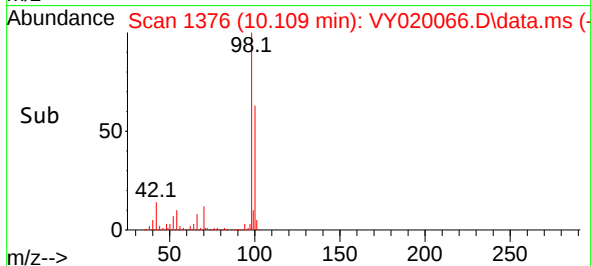
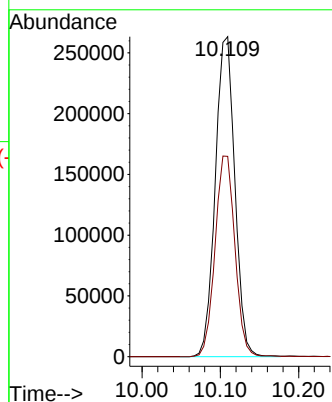
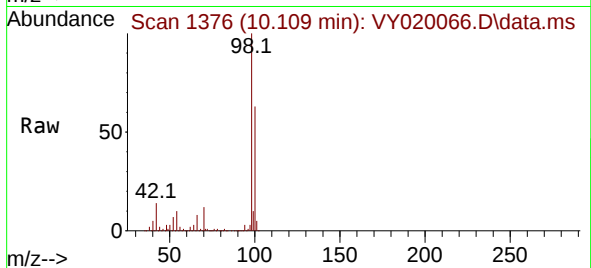




#50
Toluene-d8
Concen: 51.223 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

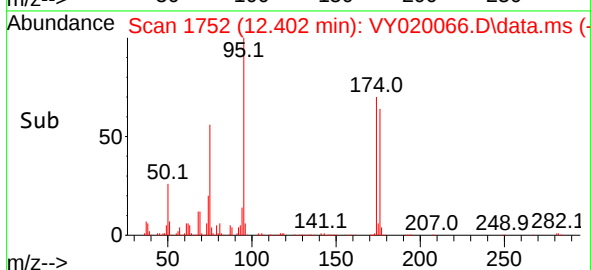
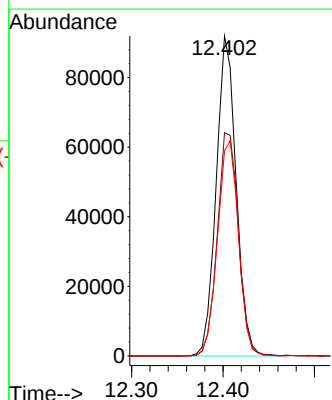
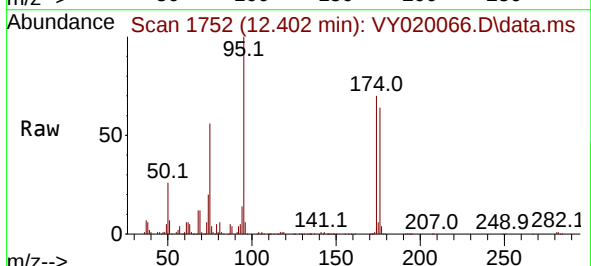
Instrument :
MSVOA_Y
ClientSampleId :

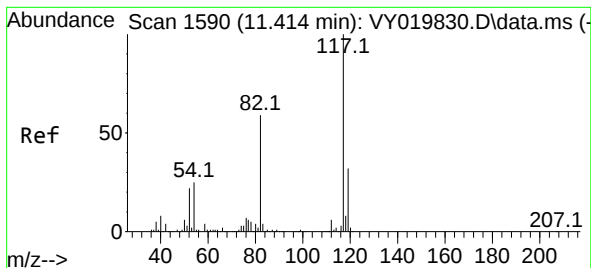
Tgt Ion: 98 Resp: 457676
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 43.251 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020066.D
Acq: 29 Oct 2024 17:09

Tgt Ion: 95 Resp: 139634
Ion Ratio Lower Upper
95 100
174 73.9 0.0 175.6
176 70.7 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: VY020066.D

Acq: 29 Oct 2024 17:09

Instrument :

MSVOA_Y

ClientSampleId :

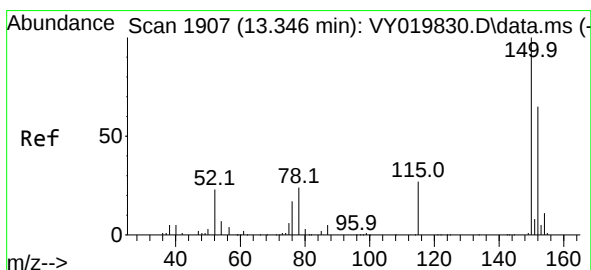
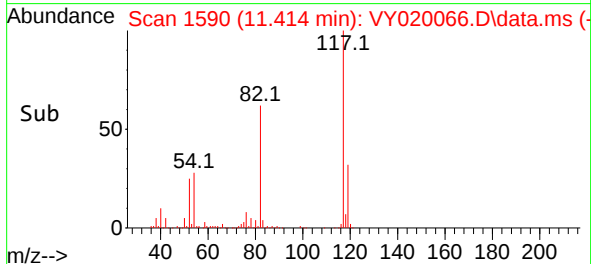
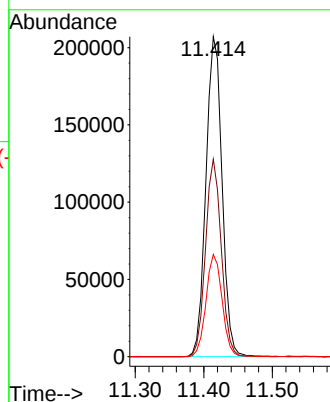
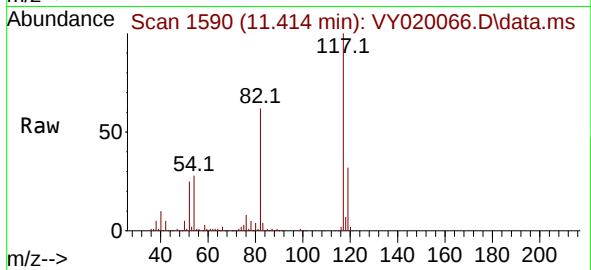
Tgt Ion:117 Resp: 339395

Ion Ratio Lower Upper

117 100

82 61.7 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: VY020066.D

Acq: 29 Oct 2024 17:09

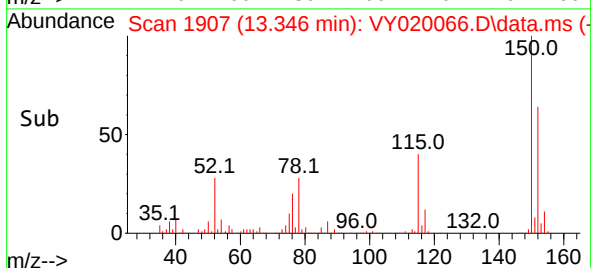
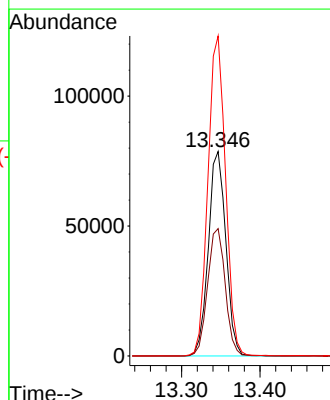
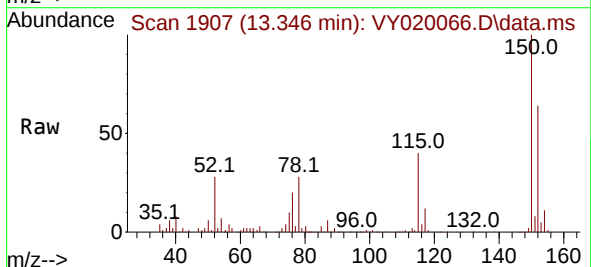
Tgt Ion:152 Resp: 121885

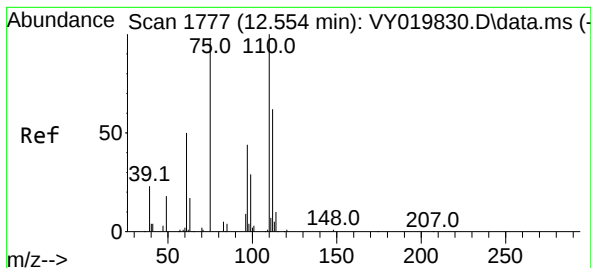
Ion Ratio Lower Upper

152 100

115 62.9 28.2 84.7

150 157.5 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 33.994 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY020066.D

Acq: 29 Oct 2024 17:09

Instrument :

MSVOA_Y

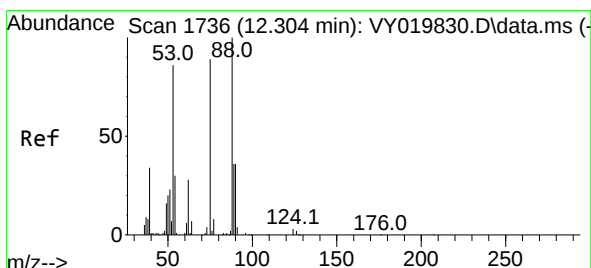
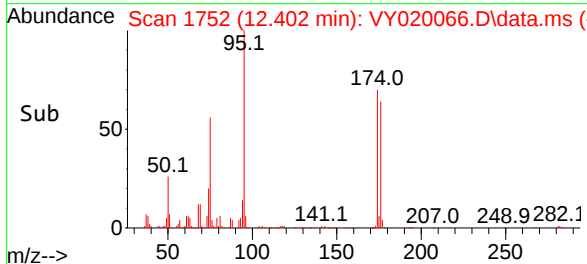
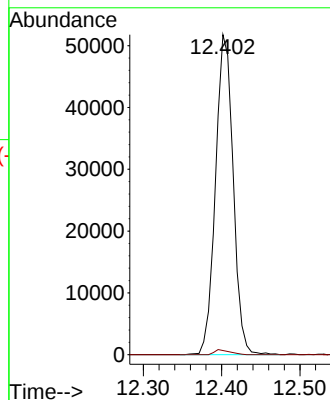
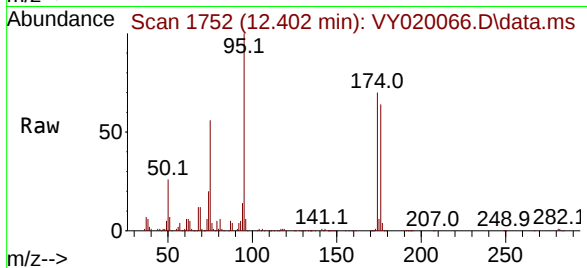
ClientSampleId :

Tgt Ion: 75 Resp: 81167

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 137.211 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY020066.D

Acq: 29 Oct 2024 17:09

Tgt Ion: 75 Resp: 81167

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

