

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019150.D
 Acq On : 20 Aug 2024 14:52
 Operator : SY/MD
 Sample : P3643-01
 Misc : 6.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:29:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

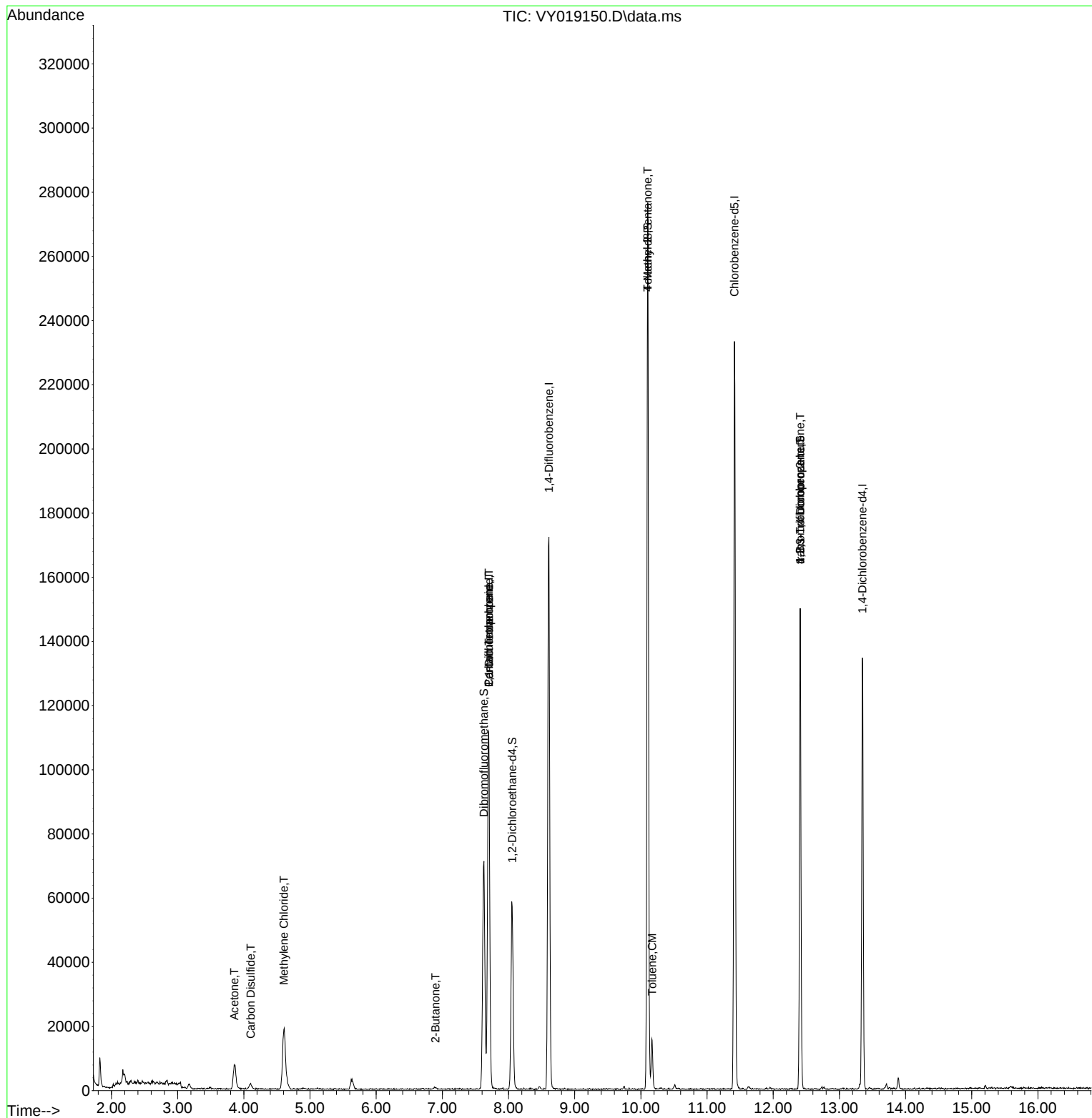
Internal Standards						
1) Pentafluorobenzene	7.701	168	88833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	152103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	128174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	34121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	46626	52.360	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.720%			
35) Dibromofluoromethane	7.628	113	50754	51.033	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.060%			
50) Toluene-d8	10.103	98	172629	48.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.407	95	42455	34.797	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 69.600%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	157	Below Cal	#	77
6) Chloroethane	2.818	64	76	Below Cal	#	42
11) Tert butyl alcohol	4.848	59	53	Below Cal	#	88
13) Acrolein	3.616	56	46	Below Cal	#	68
16) Acetone	3.854	43	14129	85.556	ug/l #	81
17) Carbon Disulfide	4.104	76	3389	1.356	ug/l #	92
20) Methylene Chloride	4.604	84	14434	4.836	ug/l	94
25) 2-Butanone	6.896	43	608	2.286	ug/l #	88
31) Cyclohexane	7.695	56	1842	Below Cal	#	5
36) 1,1-Dichloropropene	7.701	75	6978	5.110	ug/l #	47
38) Carbon Tetrachloride	7.701	117	8752	5.530	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	857	1.320	ug/l #	1
52) Toluene	10.170	92	6110	2.222	ug/l	94
76) 1,2,3-Trichloropropane	12.407	75	23358	69.416	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	23358	171.433	ug/l #	16

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

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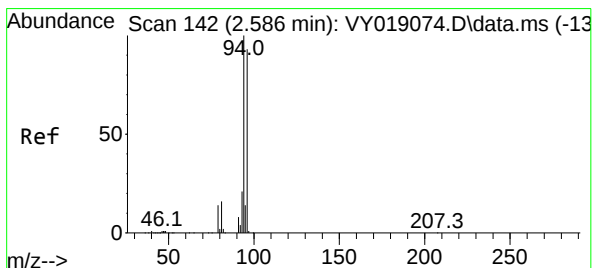
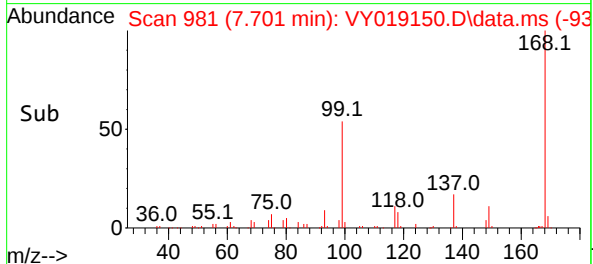
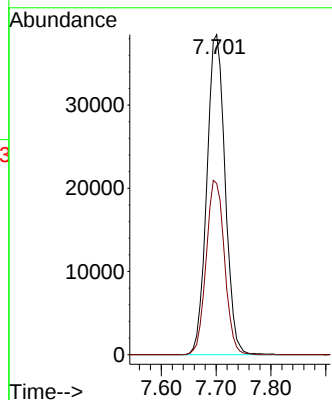
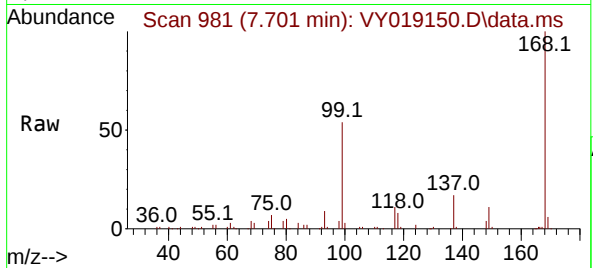




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

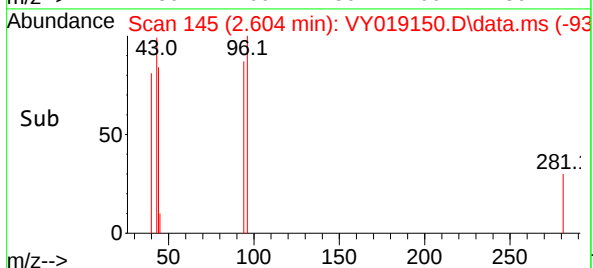
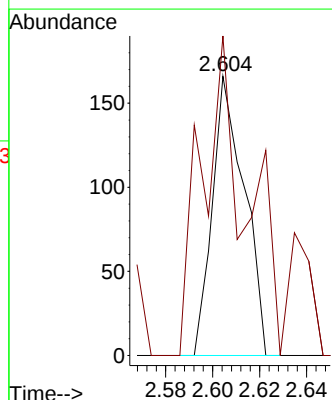
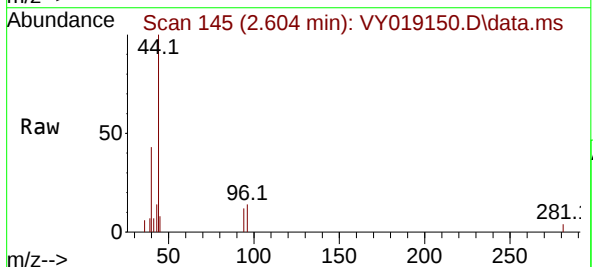
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 88833
Ion Ratio Lower Upper
168 100
99 53.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 114.5 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.848 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

Instrument :

MSVOA_Y

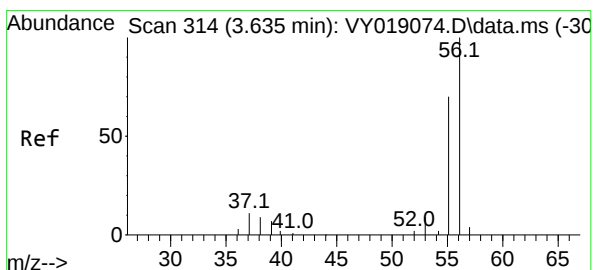
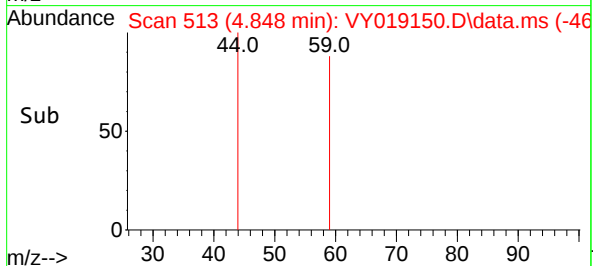
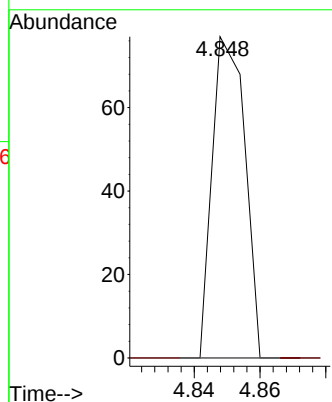
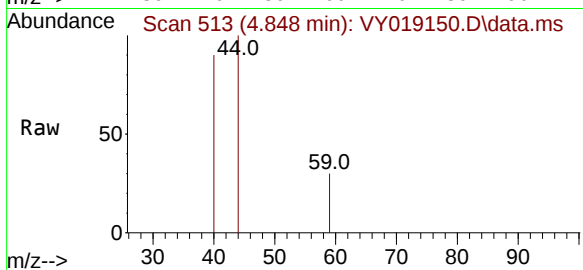
ClientSampleId :

Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.616 min Scan# 311

Delta R.T. -0.019 min

Lab File: VY019150.D

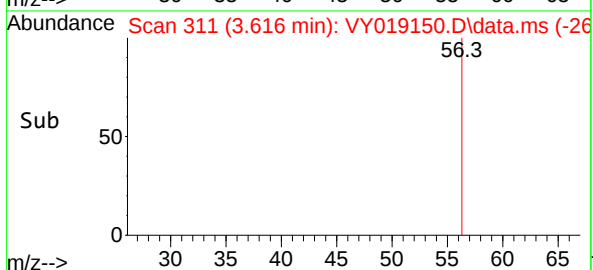
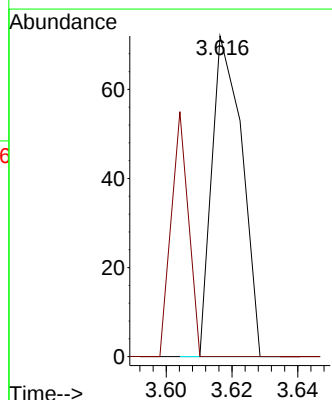
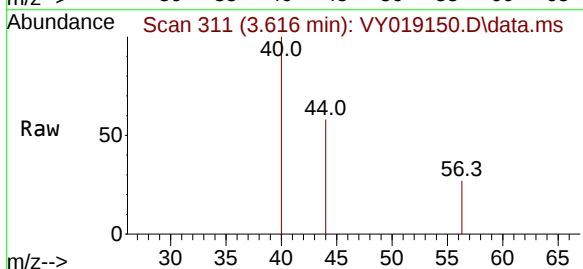
Acq: 20 Aug 2024 14:52

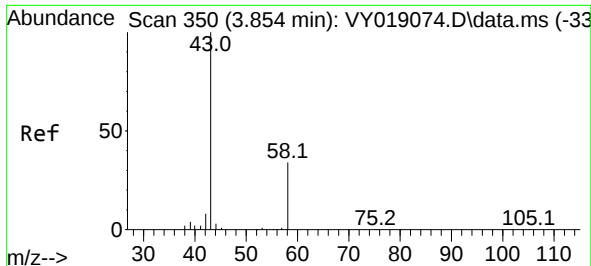
Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

56 100

55 43.5 55.7 83.5#





#16

Acetone

Concen: 85.556 ug/l

RT: 3.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

Instrument :

MSVOA_Y

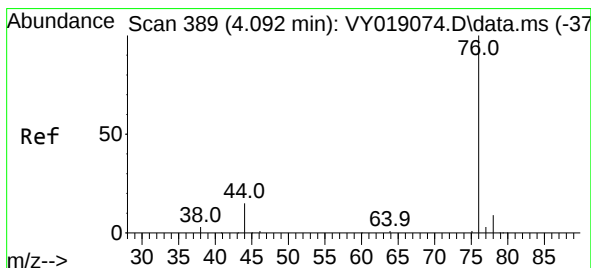
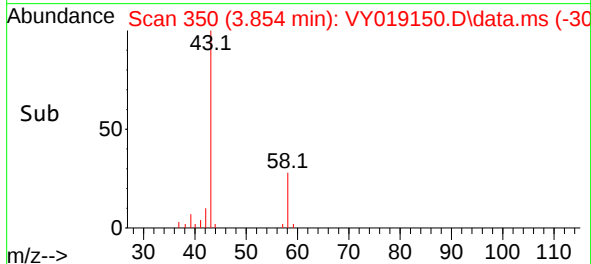
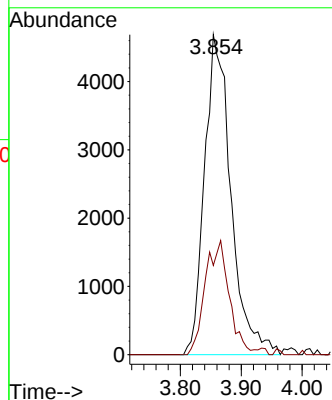
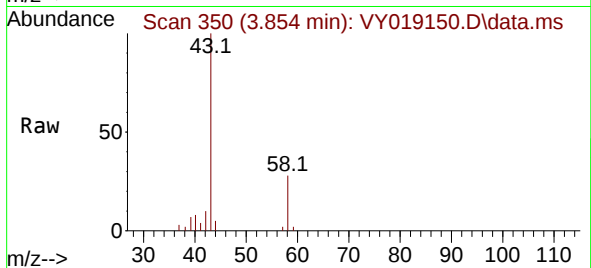
ClientSampleId :

Tgt Ion: 43 Resp: 14129

Ion Ratio Lower Upper

43 100

58 27.9 31.7 47.5#



#17

Carbon Disulfide

Concen: 1.356 ug/l

RT: 4.104 min Scan# 391

Delta R.T. 0.012 min

Lab File: VY019150.D

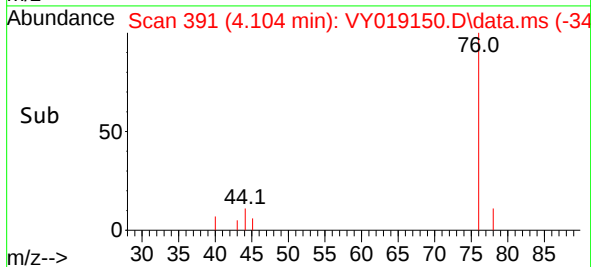
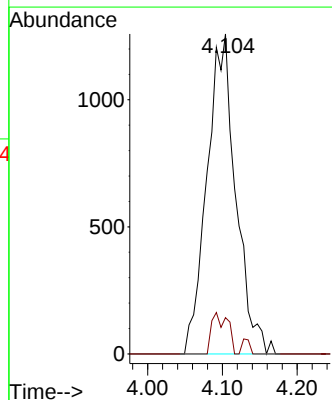
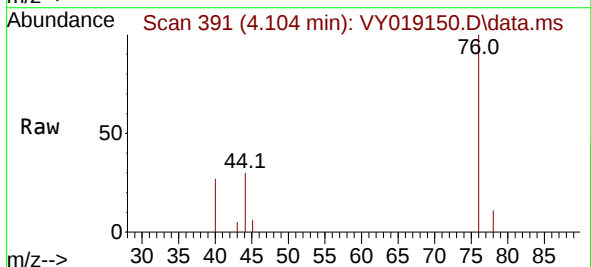
Acq: 20 Aug 2024 14:52

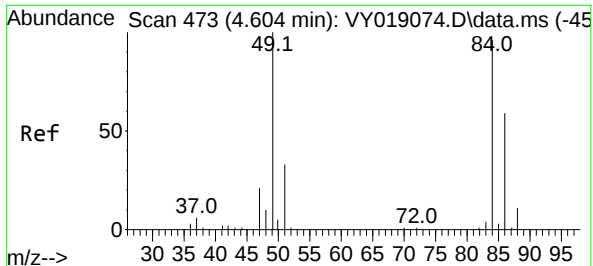
Tgt Ion: 76 Resp: 3389

Ion Ratio Lower Upper

76 100

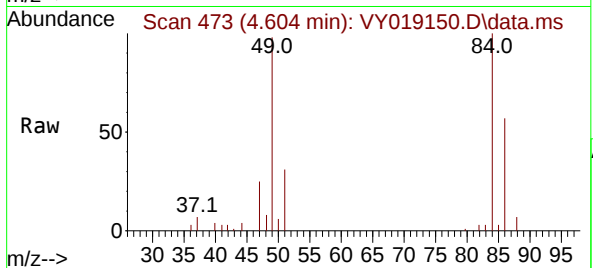
78 11.4 6.8 10.2#



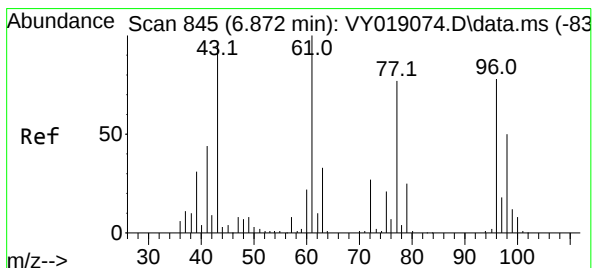
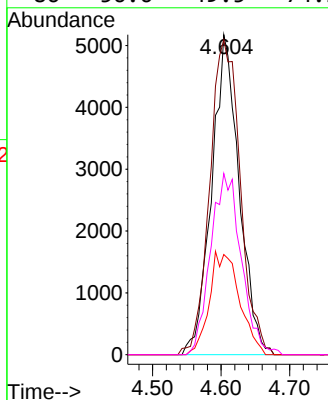
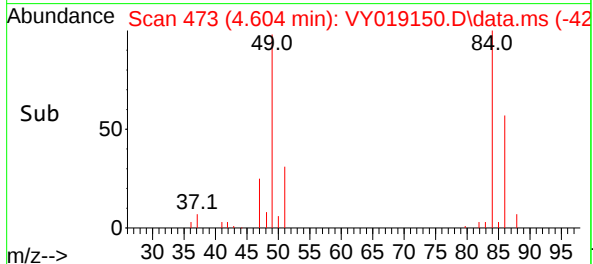


#20
Methylene Chloride
Concen: 4.836 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :

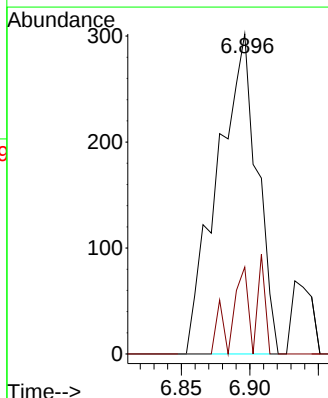
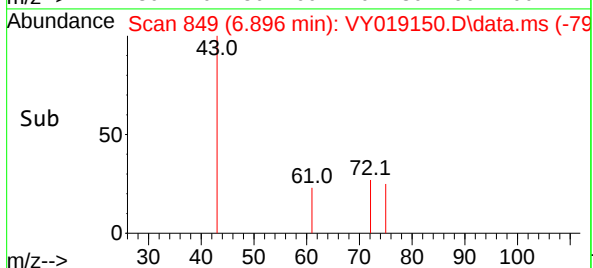
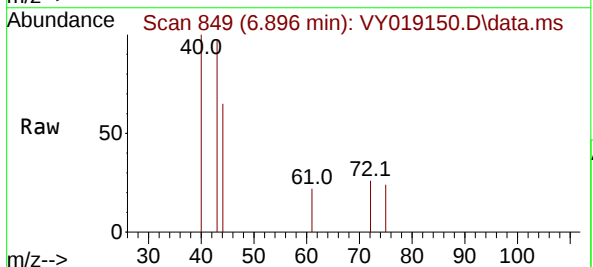


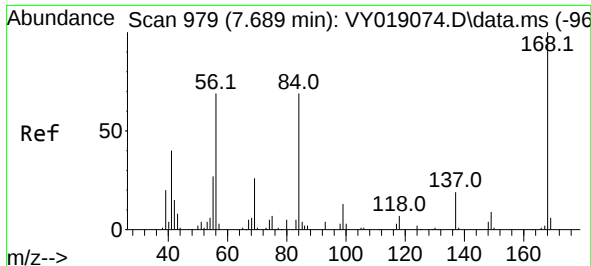
Tgt Ion:	84	Resp:	14434
Ion	Ratio	Lower	Upper
84	100		
49	98.4	84.4	126.6
51	31.3	26.0	39.0
86	56.6	49.5	74.3



#25
2-Butanone
Concen: 2.286 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.025 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

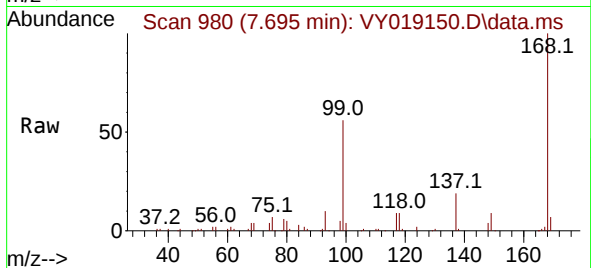
Tgt Ion:	43	Resp:	608
Ion	Ratio	Lower	Upper
43	100		
72	27.2	27.3	40.9#



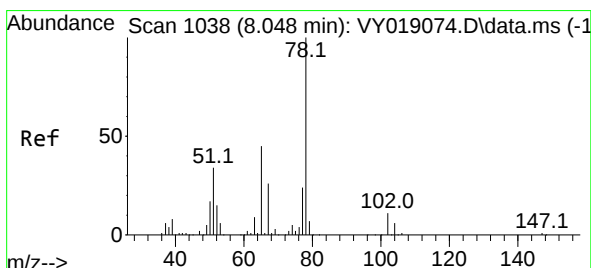
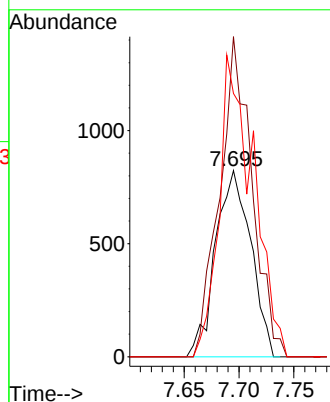
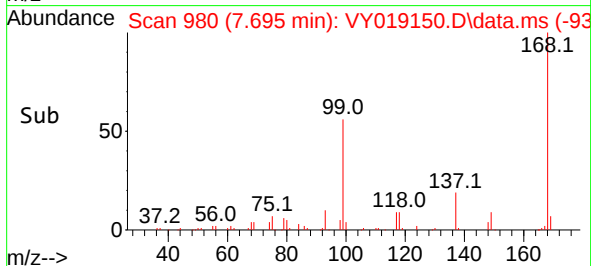


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

Instrument :
MSVOA_Y
ClientSampleId :

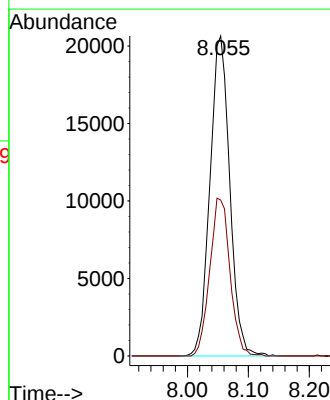
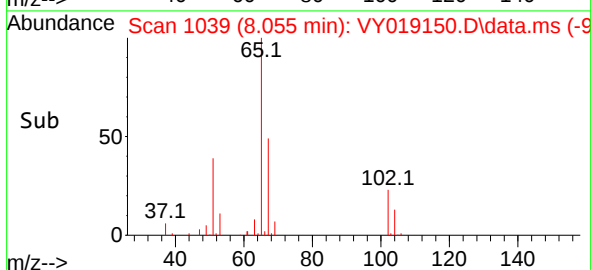
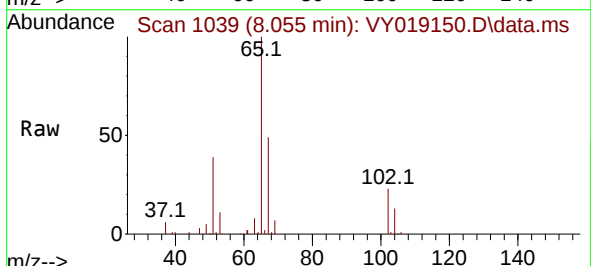


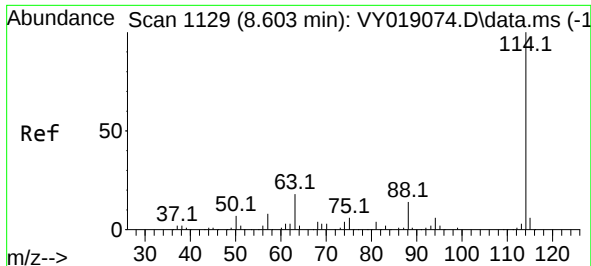
Tgt Ion: 56 Resp: 1842
Ion Ratio Lower Upper
56 100
69 171.9 28.7 43.1#
84 141.4 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 52.360 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

Tgt Ion: 65 Resp: 46626
Ion Ratio Lower Upper
65 100
67 50.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

Instrument :

MSVOA_Y

ClientSampleId :

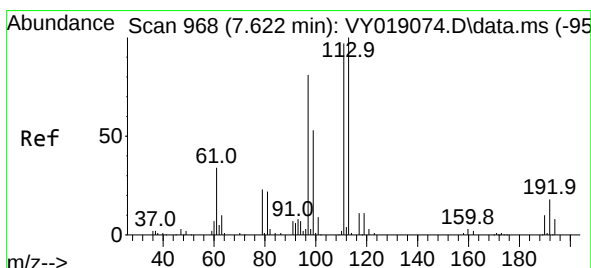
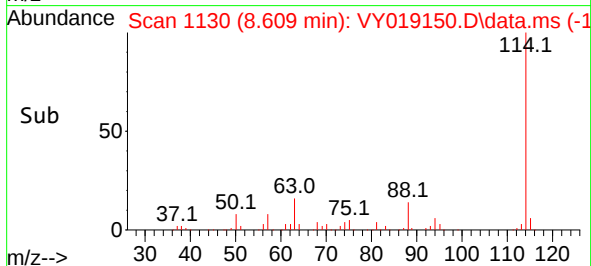
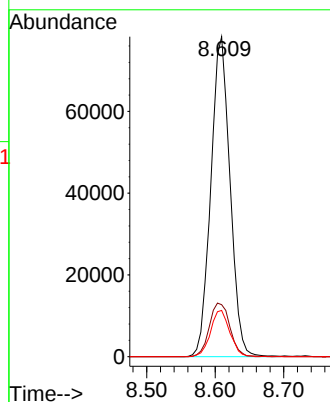
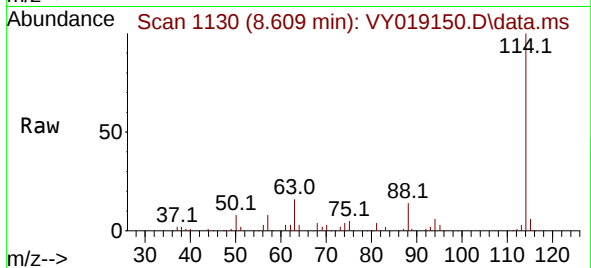
Tgt Ion:114 Resp: 152103

Ion Ratio Lower Upper

114 100

63 16.2 0.0 35.0

88 14.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 51.033 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

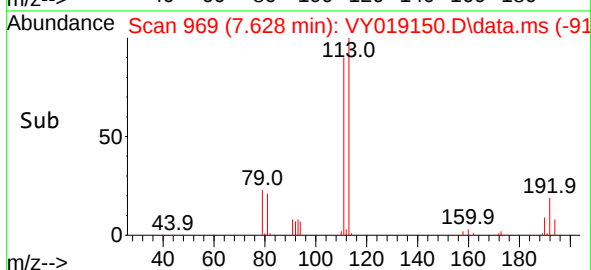
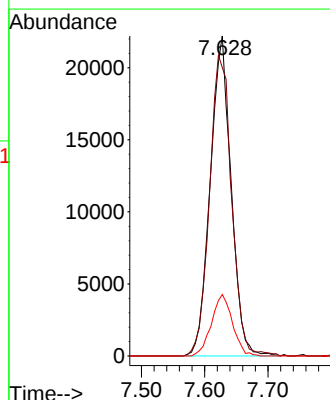
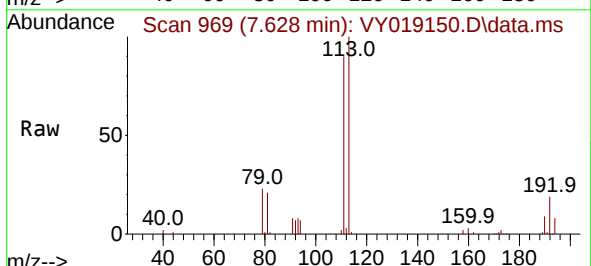
Tgt Ion:113 Resp: 50754

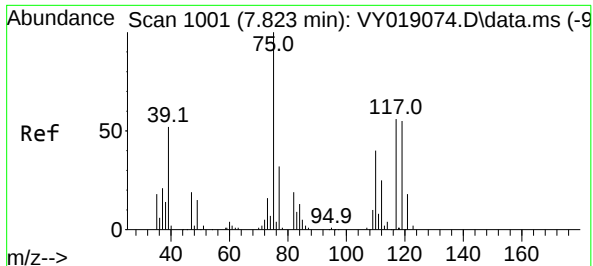
Ion Ratio Lower Upper

113 100

111 99.9 82.2 123.4

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.122 min

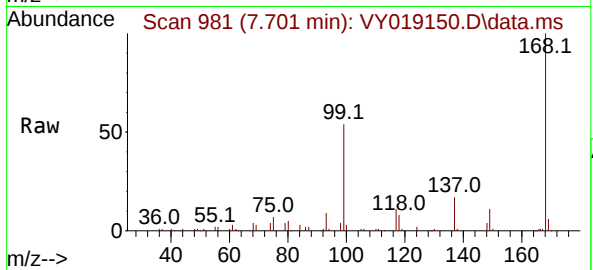
Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

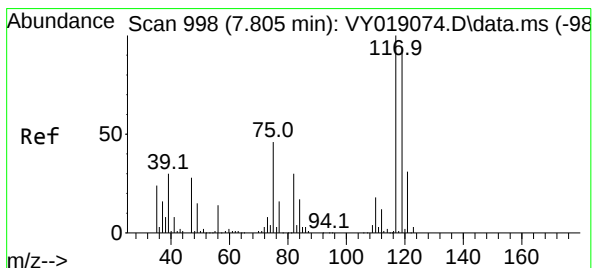
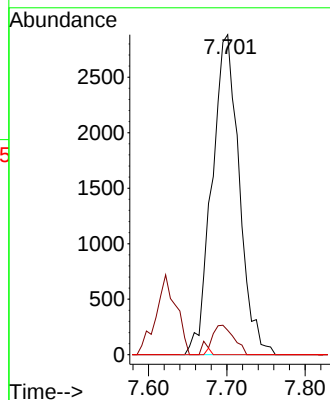
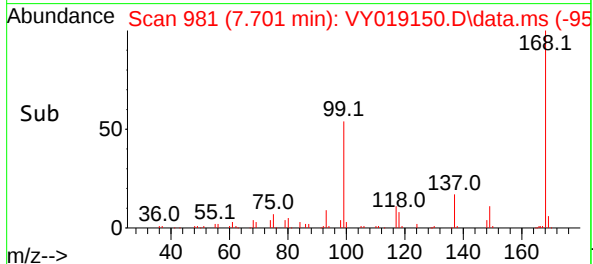
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 6978
Ion Ratio	Lower Upper
75	100
110	7.8 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.530 ug/l

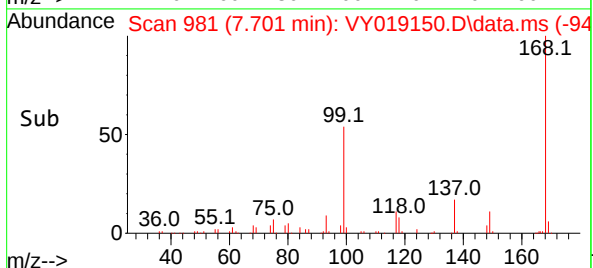
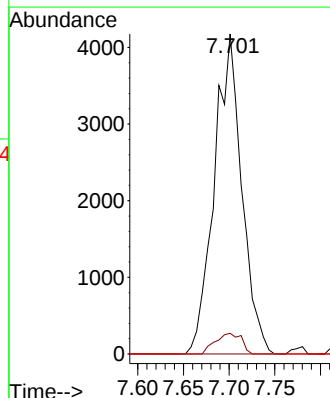
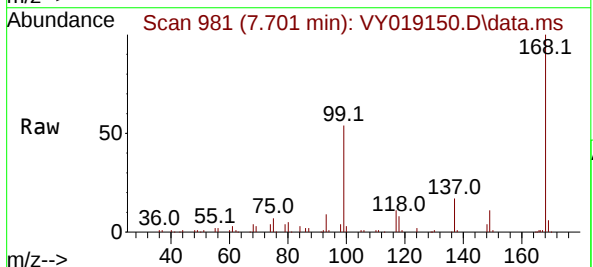
RT: 7.701 min Scan# 981

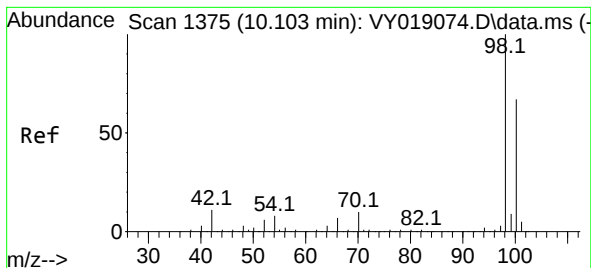
Delta R.T. -0.104 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

Tgt Ion: 117	Resp: 8752
Ion Ratio	Lower Upper
117	100
119	6.4 75.8 113.6#
121	0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.234 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

Instrument :

MSVOA_Y

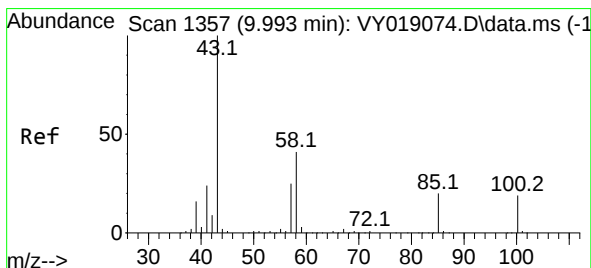
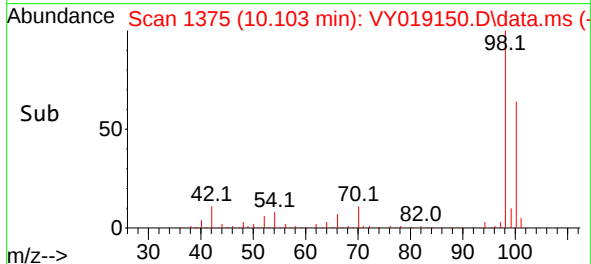
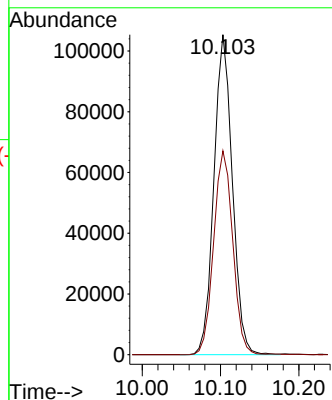
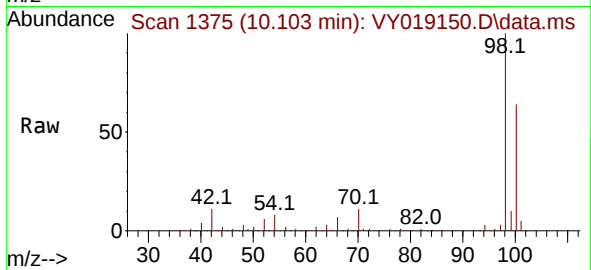
ClientSampleId :

Tgt Ion: 98 Resp: 172629

Ion Ratio Lower Upper

98 100

100 66.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.320 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.110 min

Lab File: VY019150.D

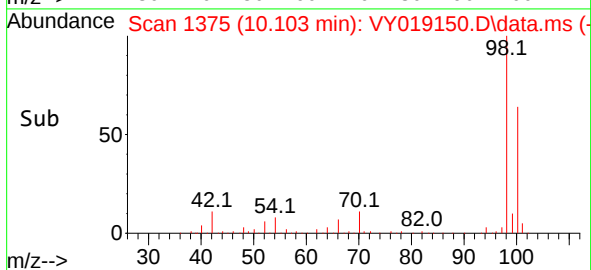
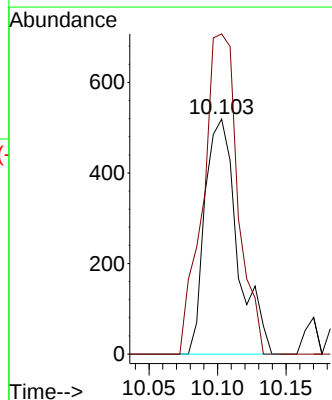
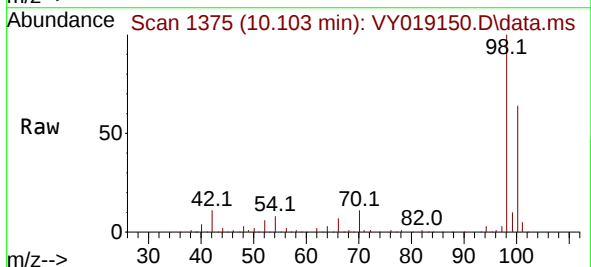
Acq: 20 Aug 2024 14:52

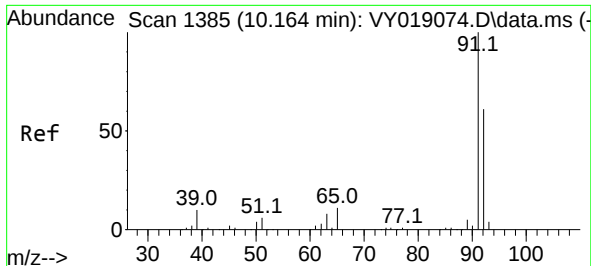
Tgt Ion: 43 Resp: 857

Ion Ratio Lower Upper

43 100

58 146.3 35.7 53.5#

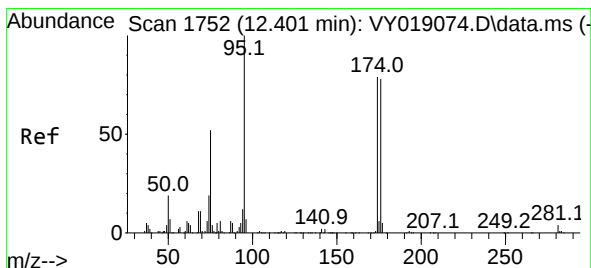
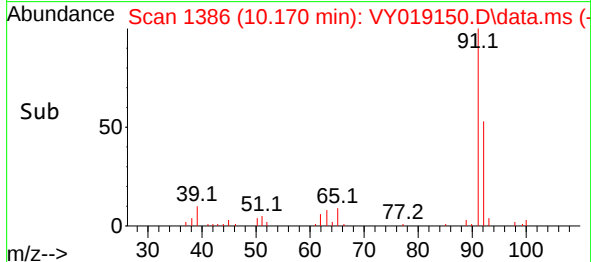
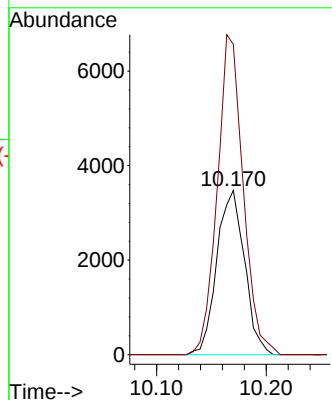
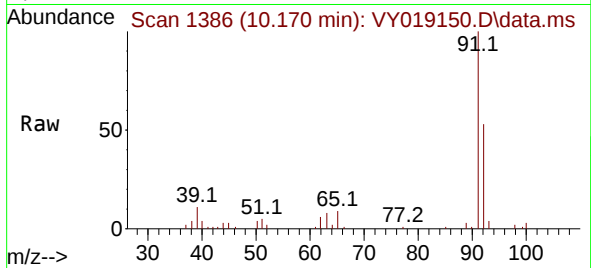




#52
Toluene
Concen: 2.222 ug/l
RT: 10.170 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

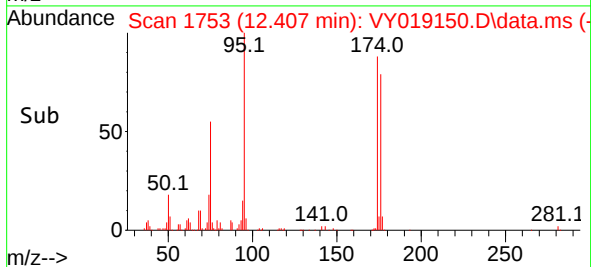
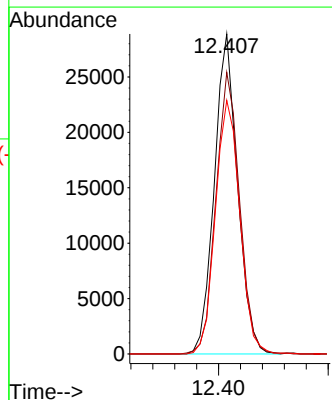
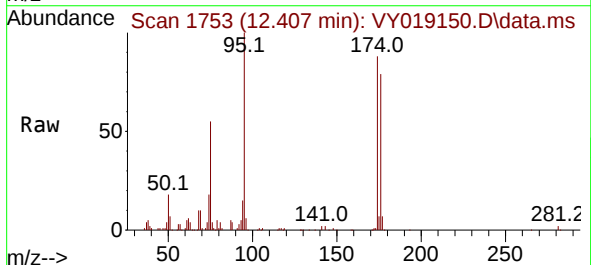
Instrument :
MSVOA_Y
ClientSampleId :

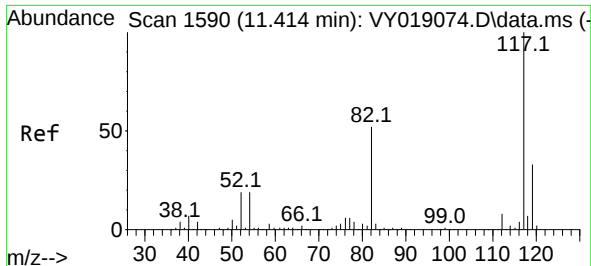
Tgt Ion: 92 Resp: 6110
Ion Ratio Lower Upper
92 100
91 182.0 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 34.797 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

Tgt Ion: 95 Resp: 42455
Ion Ratio Lower Upper
95 100
174 89.9 0.0 175.6
176 83.4 0.0 171.4

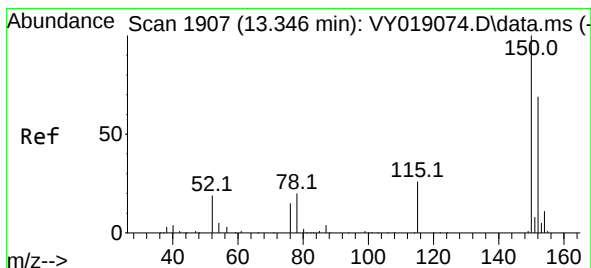
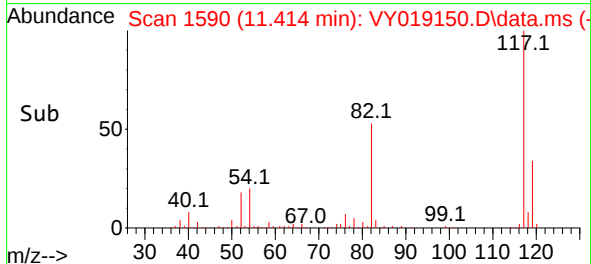
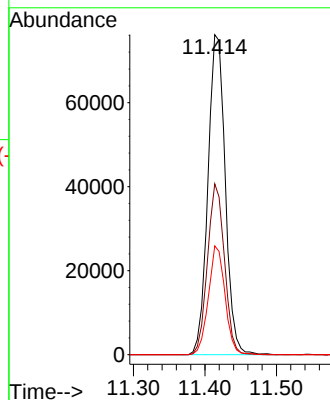
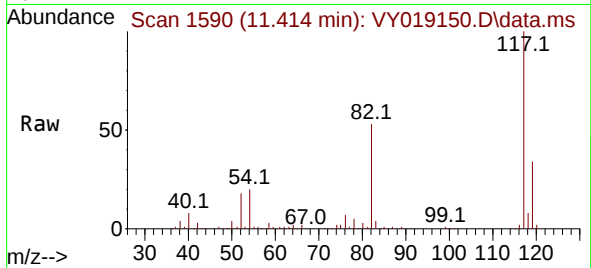




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

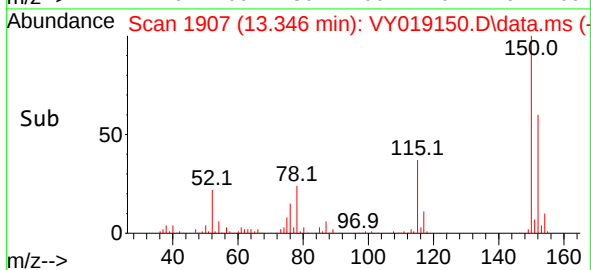
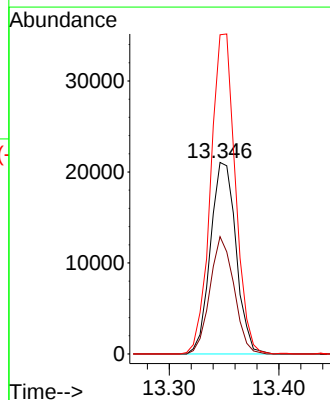
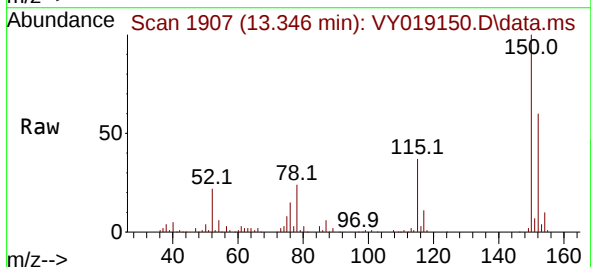
Instrument :
MSVOA_Y
ClientSampleId :

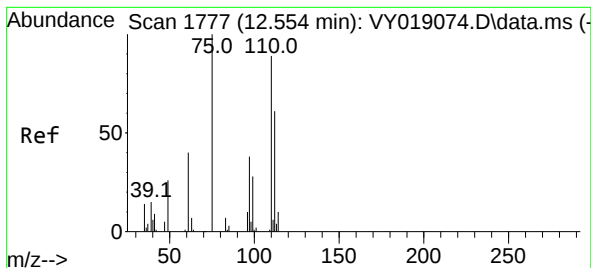
Tgt Ion:117 Resp: 128174
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 34.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019150.D
Acq: 20 Aug 2024 14:52

Tgt Ion:152 Resp: 34121
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 161.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 69.416 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

Instrument :

MSVOA_Y

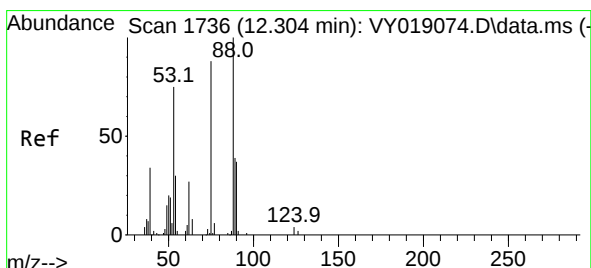
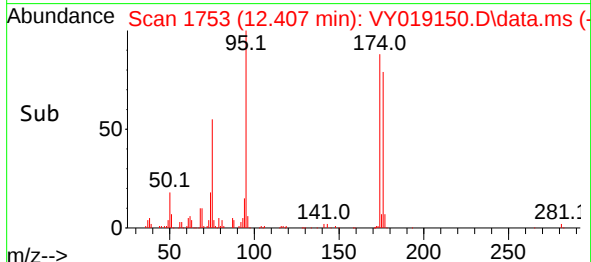
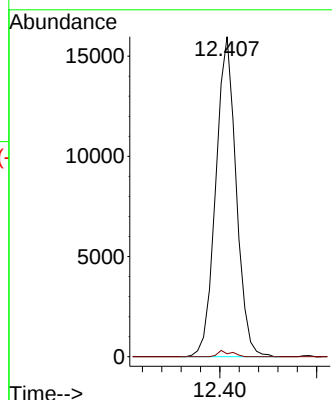
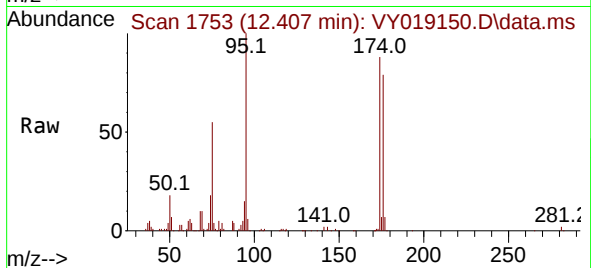
ClientSampleId :

Tgt Ion: 75 Resp: 23358

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 171.433 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019150.D

Acq: 20 Aug 2024 14:52

Tgt Ion: 75 Resp: 23358

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

