

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
 Data File : VY020035.D
 Acq On : 28 Oct 2024 12:43
 Operator : SY/MD
 Sample : P4578-07
 Misc : 9.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 01:56:56 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)

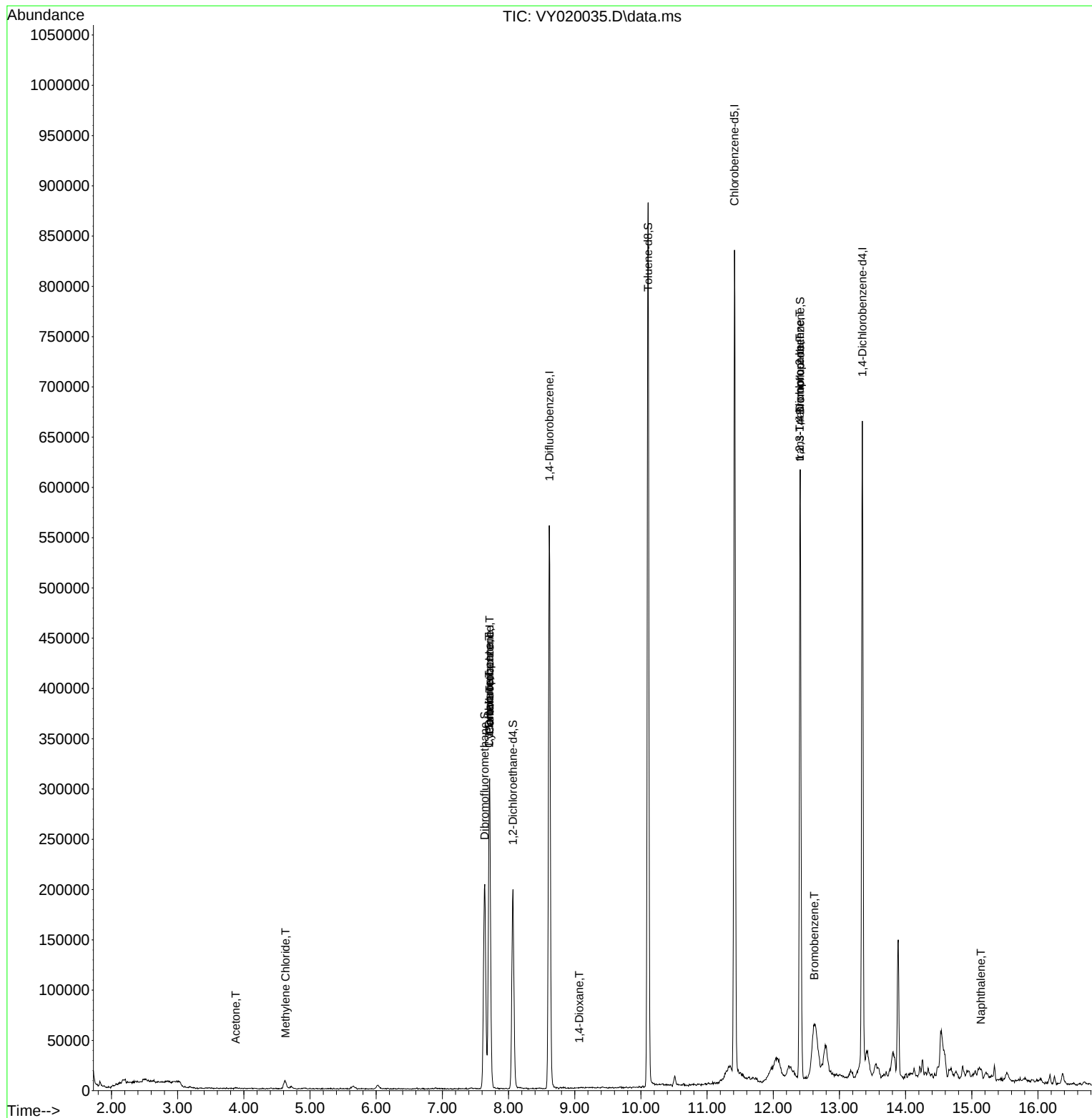
Internal Standards						
1) Pentafluorobenzene	7.713	168	212409	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	437109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	148565	56.804	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.600%	
35) Dibromofluoromethane	7.640	113	144871	50.225	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.460%	
50) Toluene-d8	10.109	98	549680	51.604	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.200%	
62) 4-Bromofluorobenzene	12.407	95	169141	43.946	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 87.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	56	Below Cal	#	88
16) Acetone	3.879	43	1429	2.099	ug/l #	83
20) Methylene Chloride	4.628	84	5226	1.292	ug/l #	86
31) Cyclohexane	7.707	56	6802	1.557	ug/l #	43
36) 1,1-Dichloropropene	7.707	75	21062	5.068	ug/l #	48
38) Carbon Tetrachloride	7.713	117	24272	5.448	ug/l #	16
49) 1,4-Dioxane	9.067	88	23	1.195	ug/l #	20
76) 1,2,3-Trichloropropane	12.401	75	100123	35.175	ug/l #	100
77) Bromobenzene	12.621	156	66715	25.724	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.401	75	100123	141.979	ug/l #	16
95) Naphthalene	15.139	128	7005	1.439	ug/l	97

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

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QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

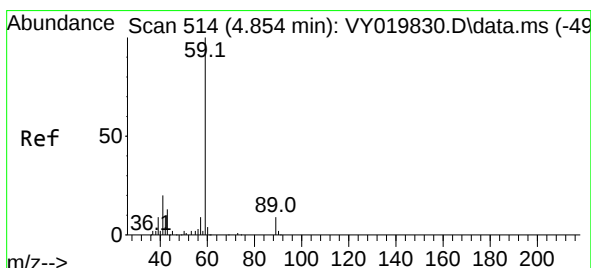
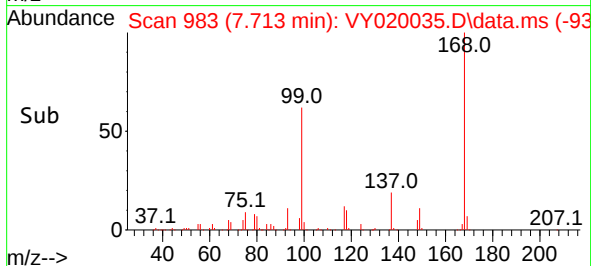
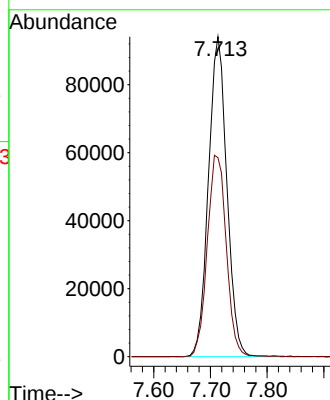
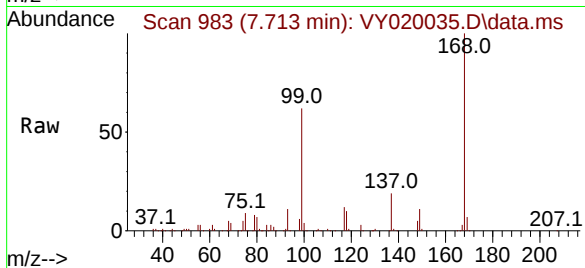




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

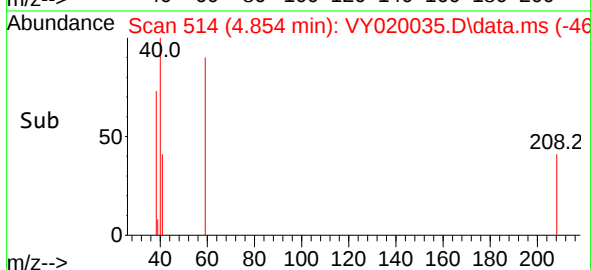
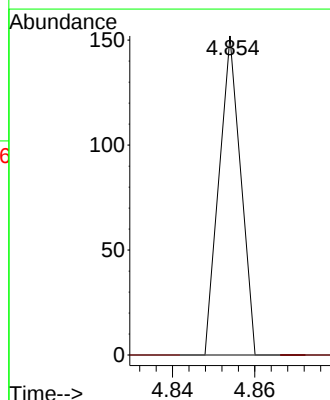
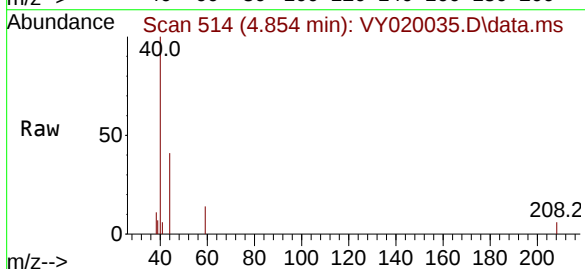
Instrument :
MSVOA_Y
ClientSampleId :

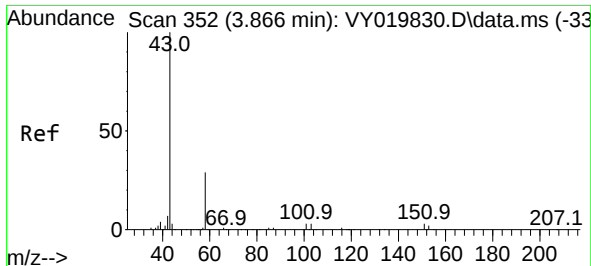
Tgt Ion:168 Resp: 212409
Ion Ratio Lower Upper
168 100
99 62.2 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

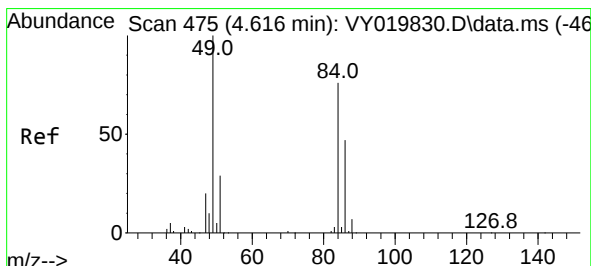
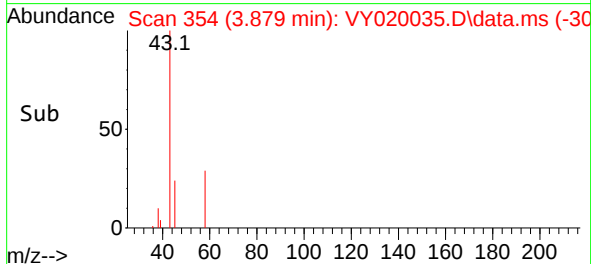
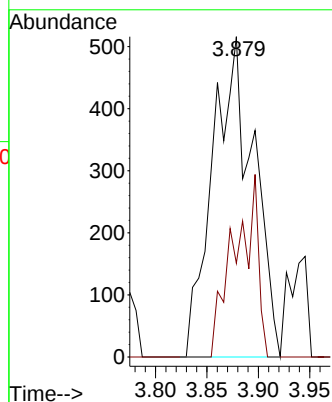
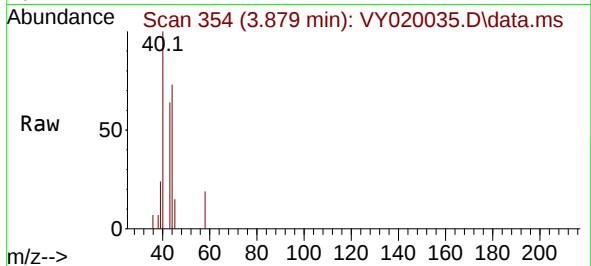




#16
Acetone
Concen: 2.099 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

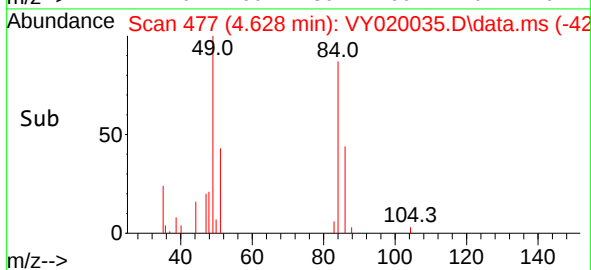
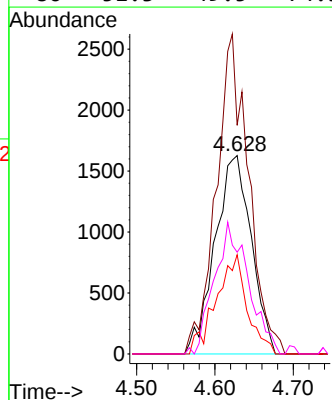
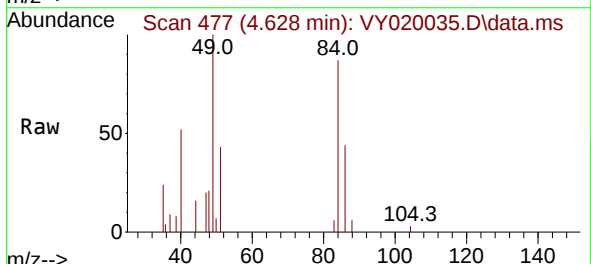
Instrument :
MSVOA_Y
ClientSampleId :

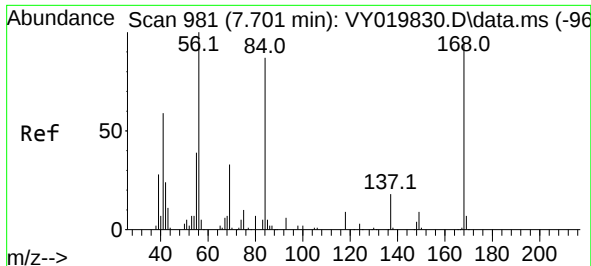
Tgt Ion: 43 Resp: 1429
Ion Ratio Lower Upper
43 100
58 29.3 31.7 47.5#



#20
Methylene Chloride
Concen: 1.292 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.012 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Tgt Ion: 84 Resp: 5226
Ion Ratio Lower Upper
84 100
49 115.3 84.4 126.6
51 50.0 26.0 39.0#
86 51.3 49.5 74.3

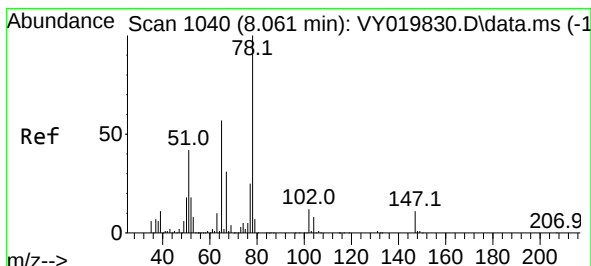
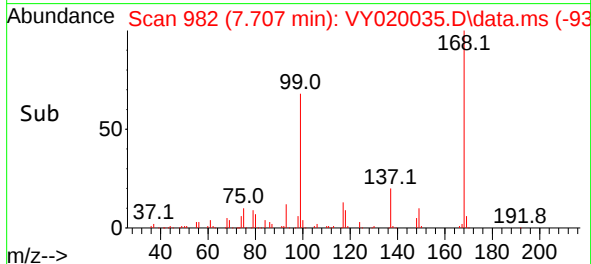
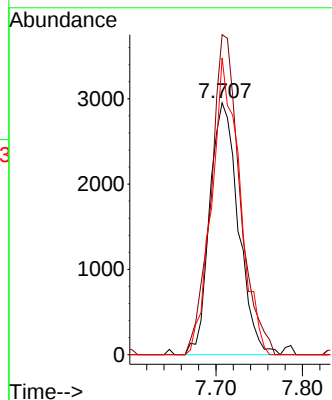
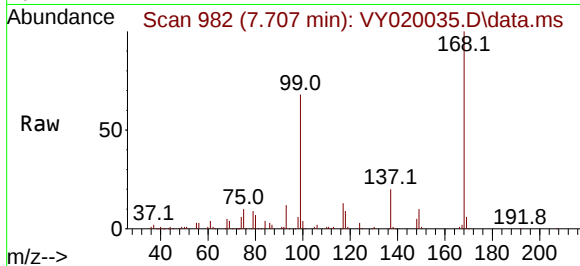




#31
Cyclohexane
Concen: 1.557 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

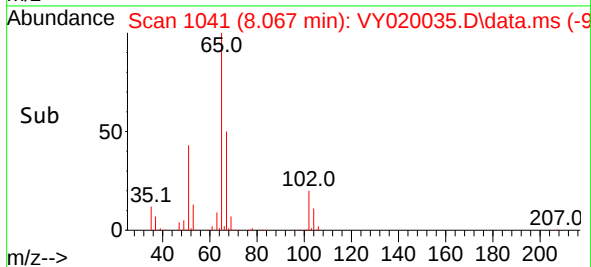
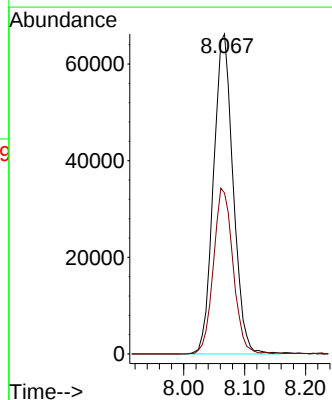
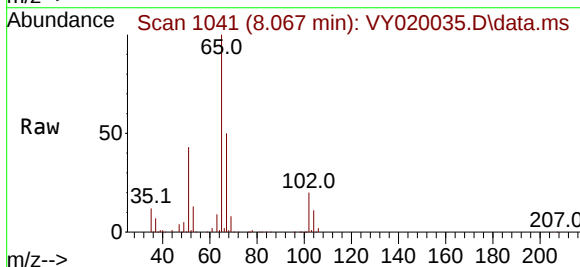
Instrument :
MSVOA_Y
ClientSampleId :

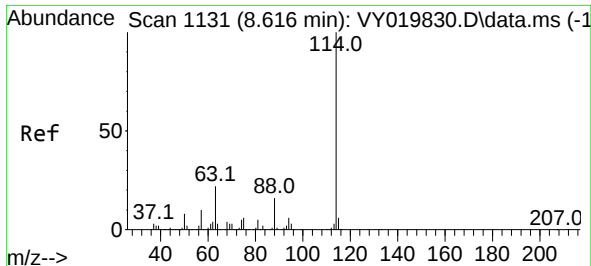
Tgt Ion: 56 Resp: 6802
Ion Ratio Lower Upper
56 100
69 127.1 28.7 43.1#
84 117.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 56.804 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

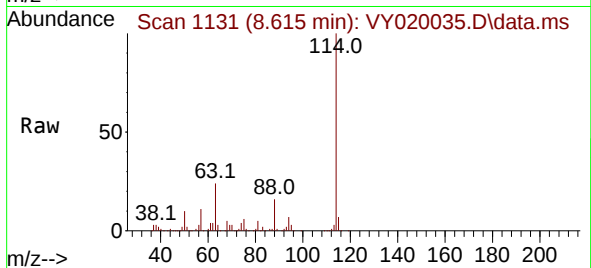
Tgt Ion: 65 Resp: 148565
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.6



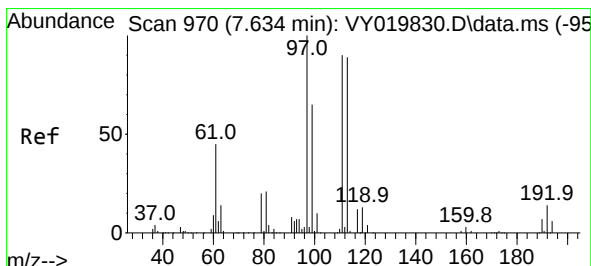
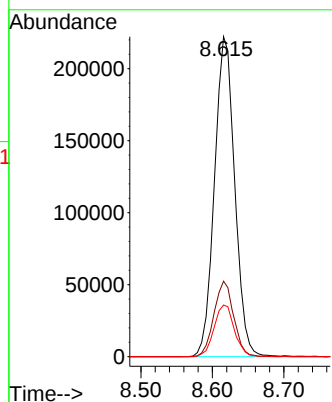
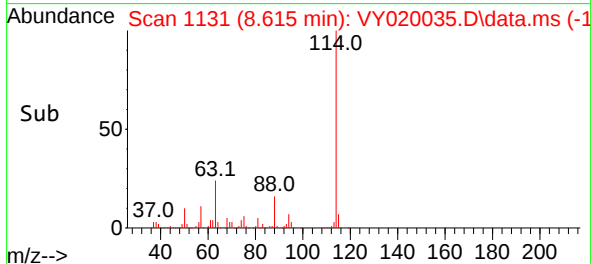


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :

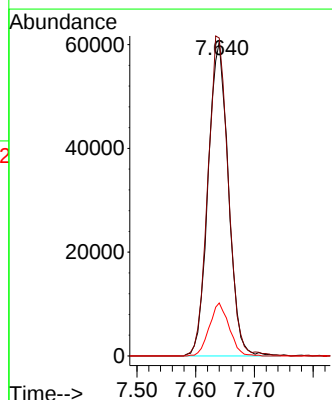
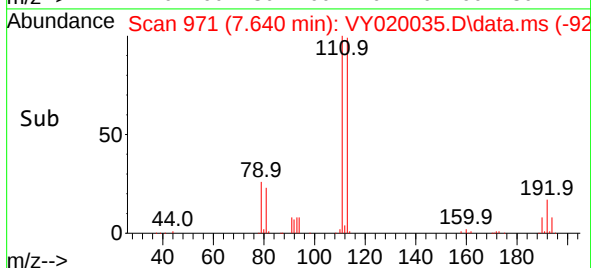
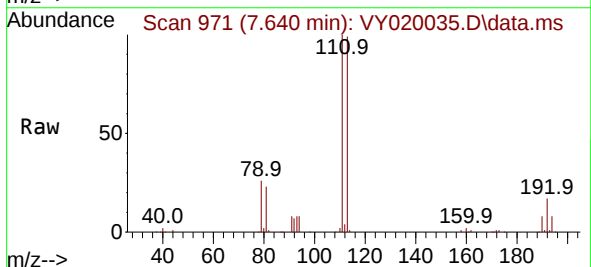


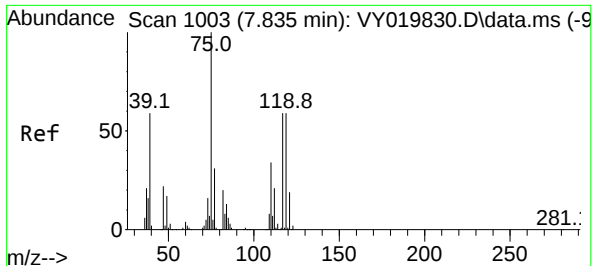
Tgt Ion:114 Resp: 437109
Ion Ratio Lower Upper
114 100
63 23.6 0.0 35.0
88 16.1 0.0 27.2



#35
Dibromofluoromethane
Concen: 50.225 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Tgt Ion:113 Resp: 144871
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 16.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.068 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY020035.D

Acq: 28 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

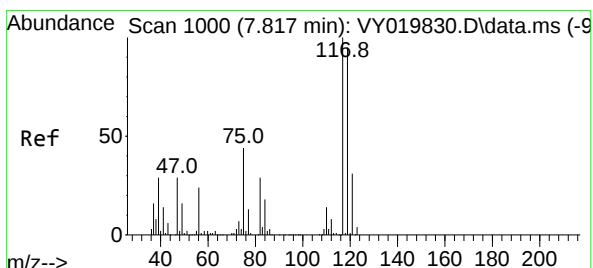
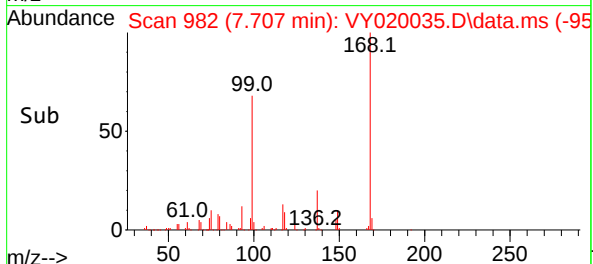
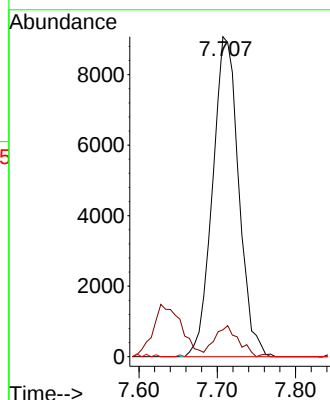
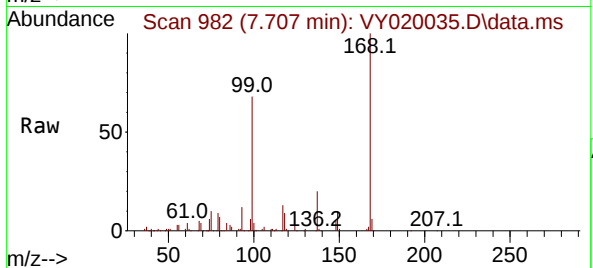
Tgt Ion: 75 Resp: 21062

Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.448 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.103 min

Lab File: VY020035.D

Acq: 28 Oct 2024 12:43

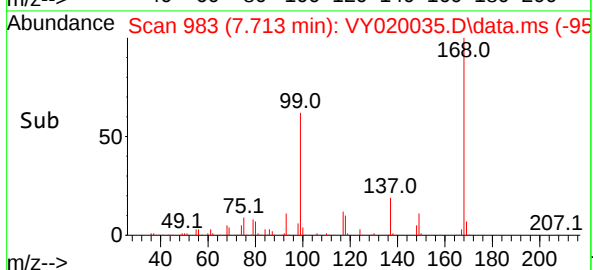
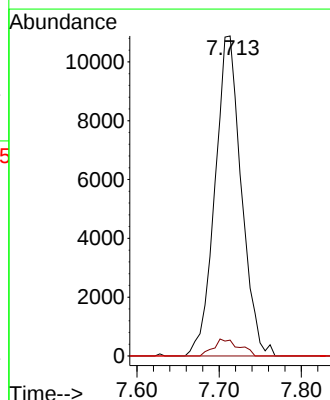
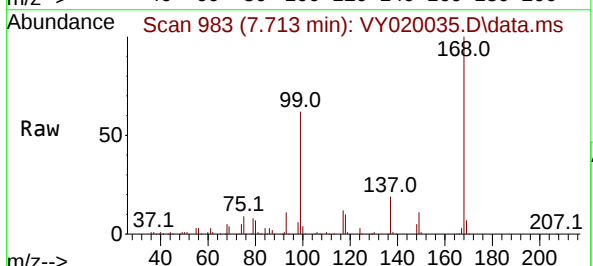
Tgt Ion: 117 Resp: 24272

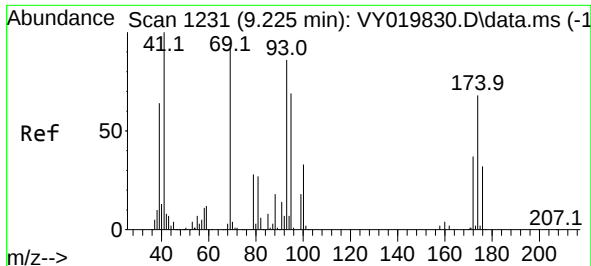
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.195 ug/l

RT: 9.067 min Scan# 11

Delta R.T. -0.164 min

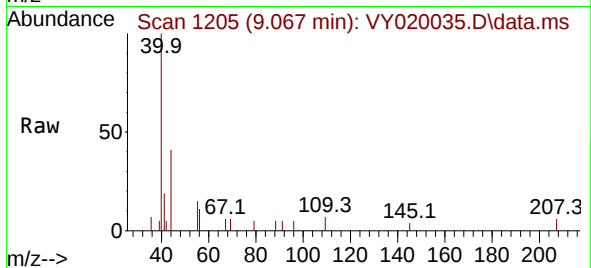
Lab File: VY020035.D

Acq: 28 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :



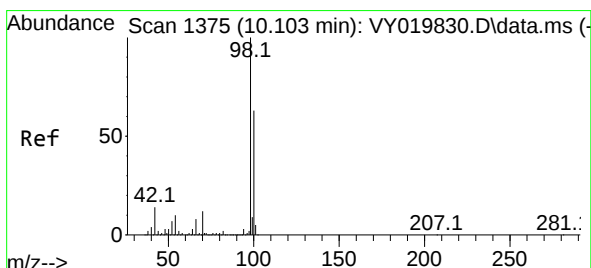
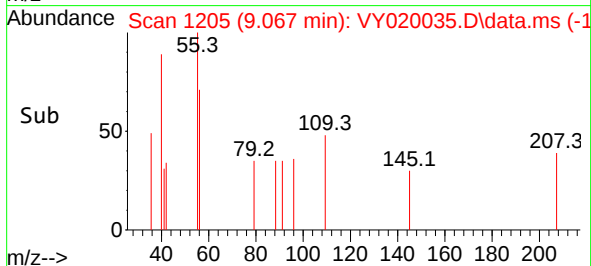
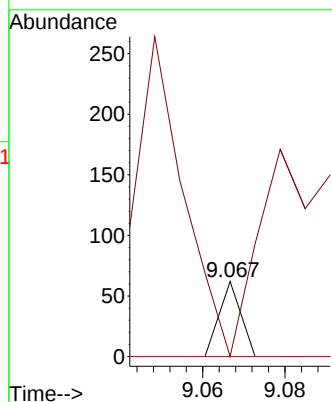
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 852.2 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 51.604 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020035.D

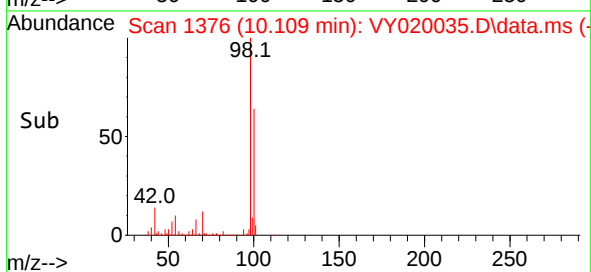
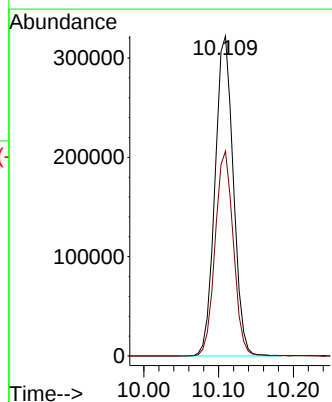
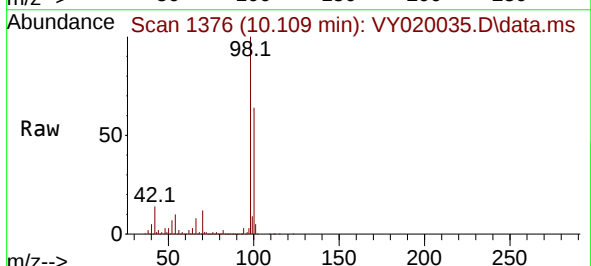
Acq: 28 Oct 2024 12:43

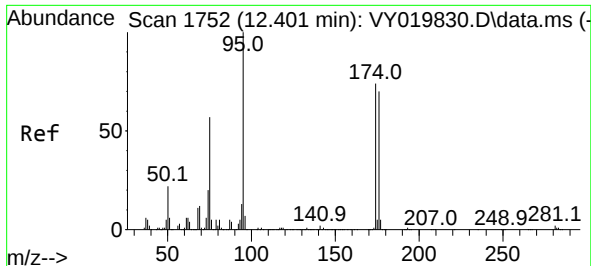
Tgt Ion: 98 Resp: 549680

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0

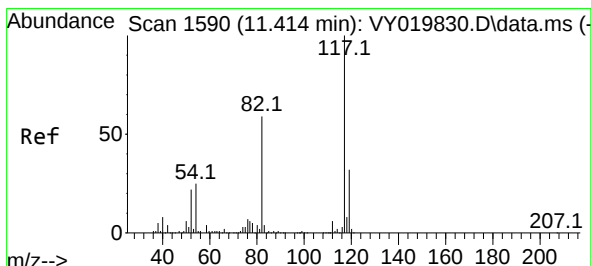
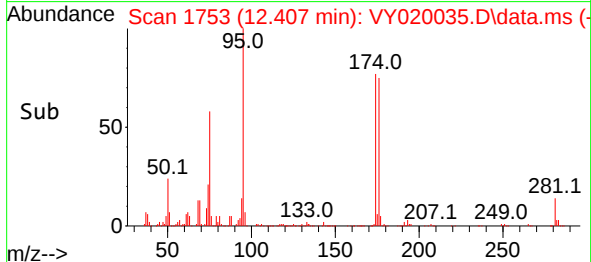
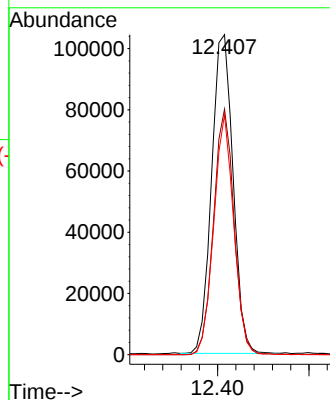
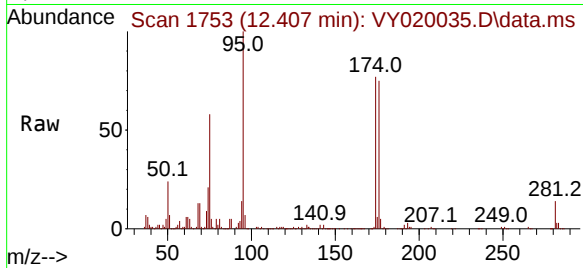




#62
4-Bromofluorobenzene
Concen: 43.946 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

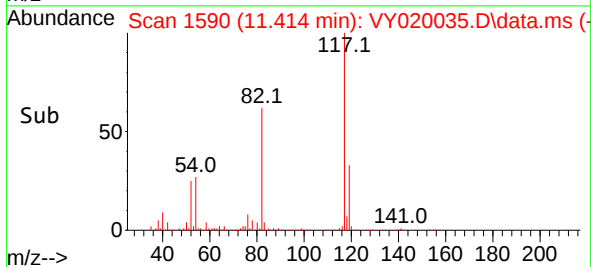
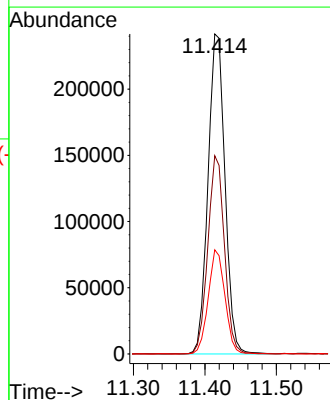
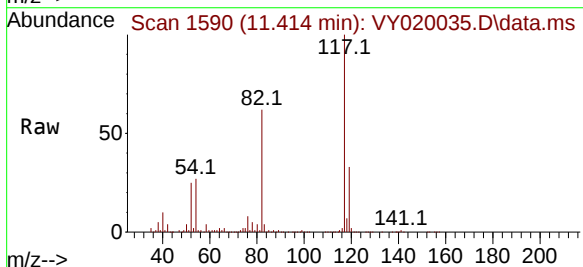
Instrument :
MSVOA_Y
ClientSampleId :

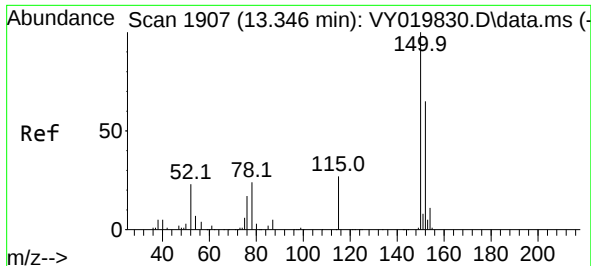
Tgt Ion: 95 Resp: 169141
Ion Ratio Lower Upper
95 100
174 73.9 0.0 175.6
176 70.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

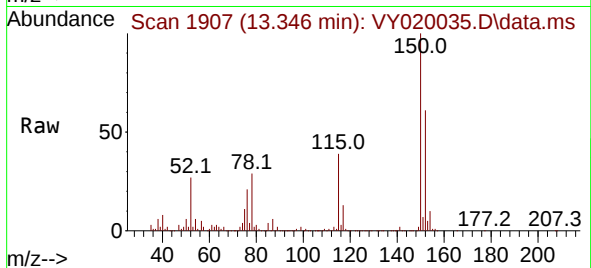
Tgt Ion: 117 Resp: 398917
Ion Ratio Lower Upper
117 100
82 61.9 42.4 63.6
119 32.6 25.9 38.9



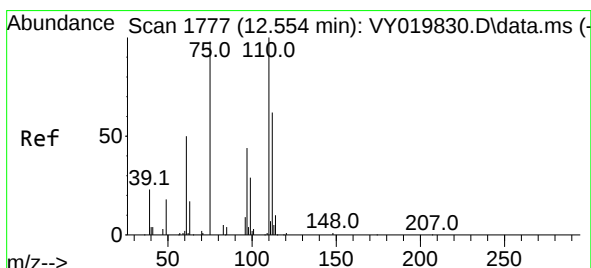
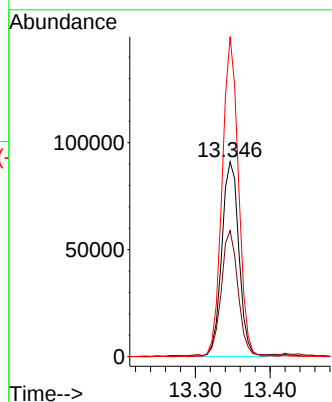
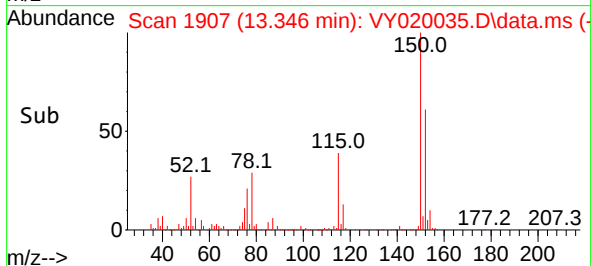


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY020035.D
 Acq: 28 Oct 2024 12:43

Instrument :
 MSVOA_Y
 ClientSampleId :

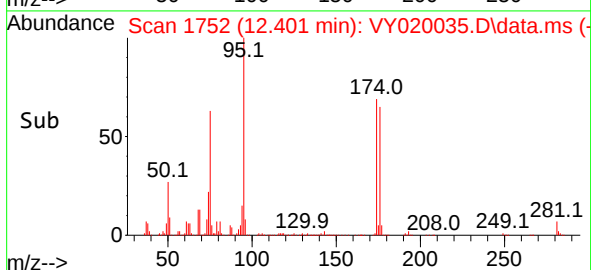
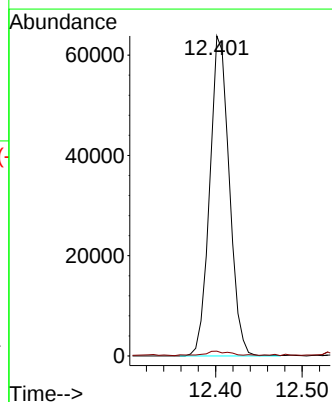
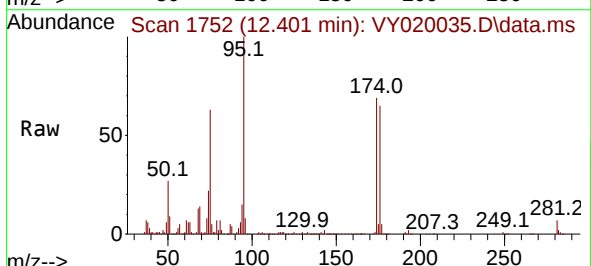


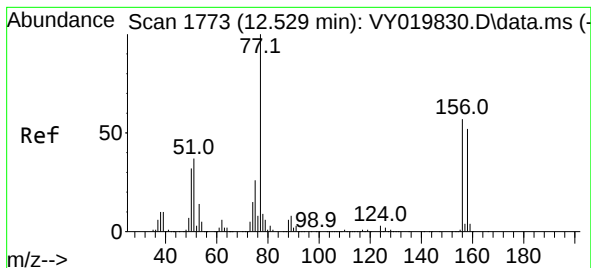
Tgt Ion:152 Resp: 145301
 Ion Ratio Lower Upper
 152 100
 115 63.1 28.2 84.7
 150 156.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 35.175 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY020035.D
 Acq: 28 Oct 2024 12:43

Tgt Ion: 75 Resp: 100123
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#





#77

Bromobenzene

Concen: 25.724 ug/l

RT: 12.621 min Scan# 1752

Delta R.T. 0.086 min

Lab File: VY020035.D

Acq: 28 Oct 2024 12:43

Instrument :

MSVOA_Y

ClientSampleId :

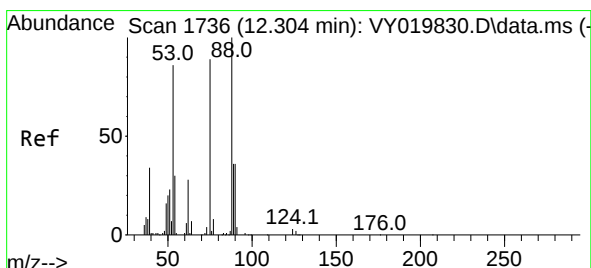
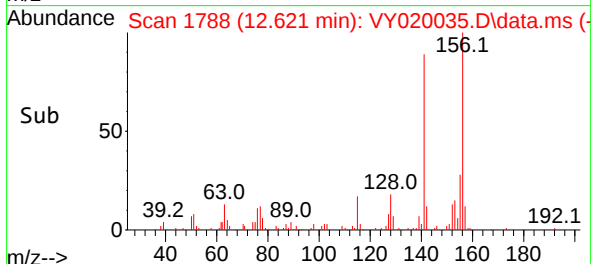
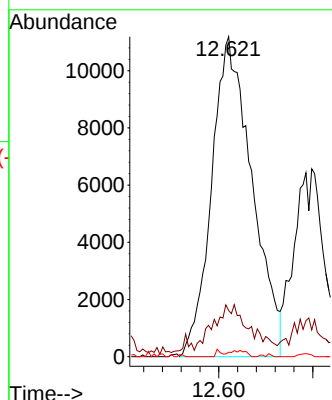
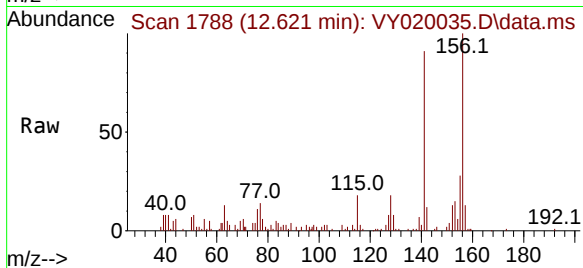
Tgt Ion:156 Resp: 66715

Ion Ratio Lower Upper

156 100

77 6.4 87.1 261.3#

158 0.0 48.6 145.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 141.979 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY020035.D

Acq: 28 Oct 2024 12:43

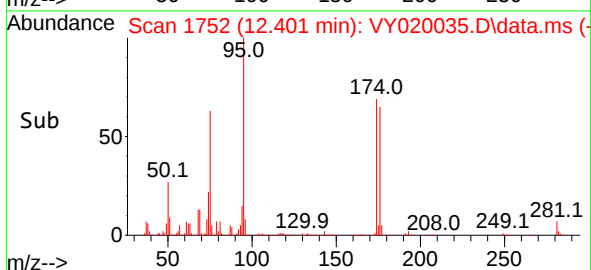
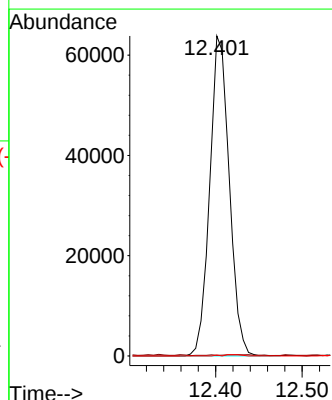
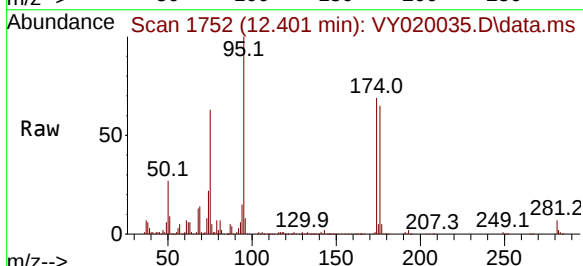
Tgt Ion: 75 Resp: 100123

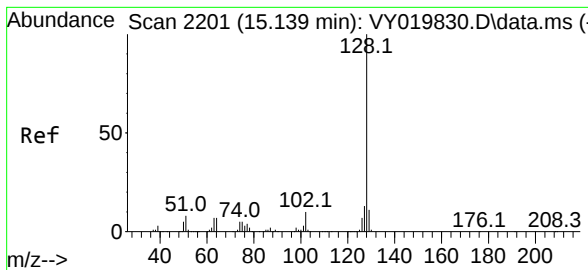
Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

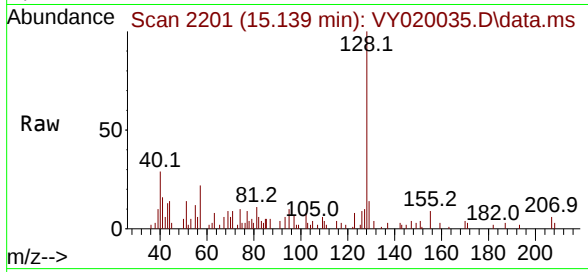
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 1.439 ug/l
RT: 15.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	7005
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	16.0
129	12.2	8.6	13.0

