

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021353.D
 Acq On : 27 Feb 2025 13:14
 Operator : SY/MD
 Sample : Q1428-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 28 00:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

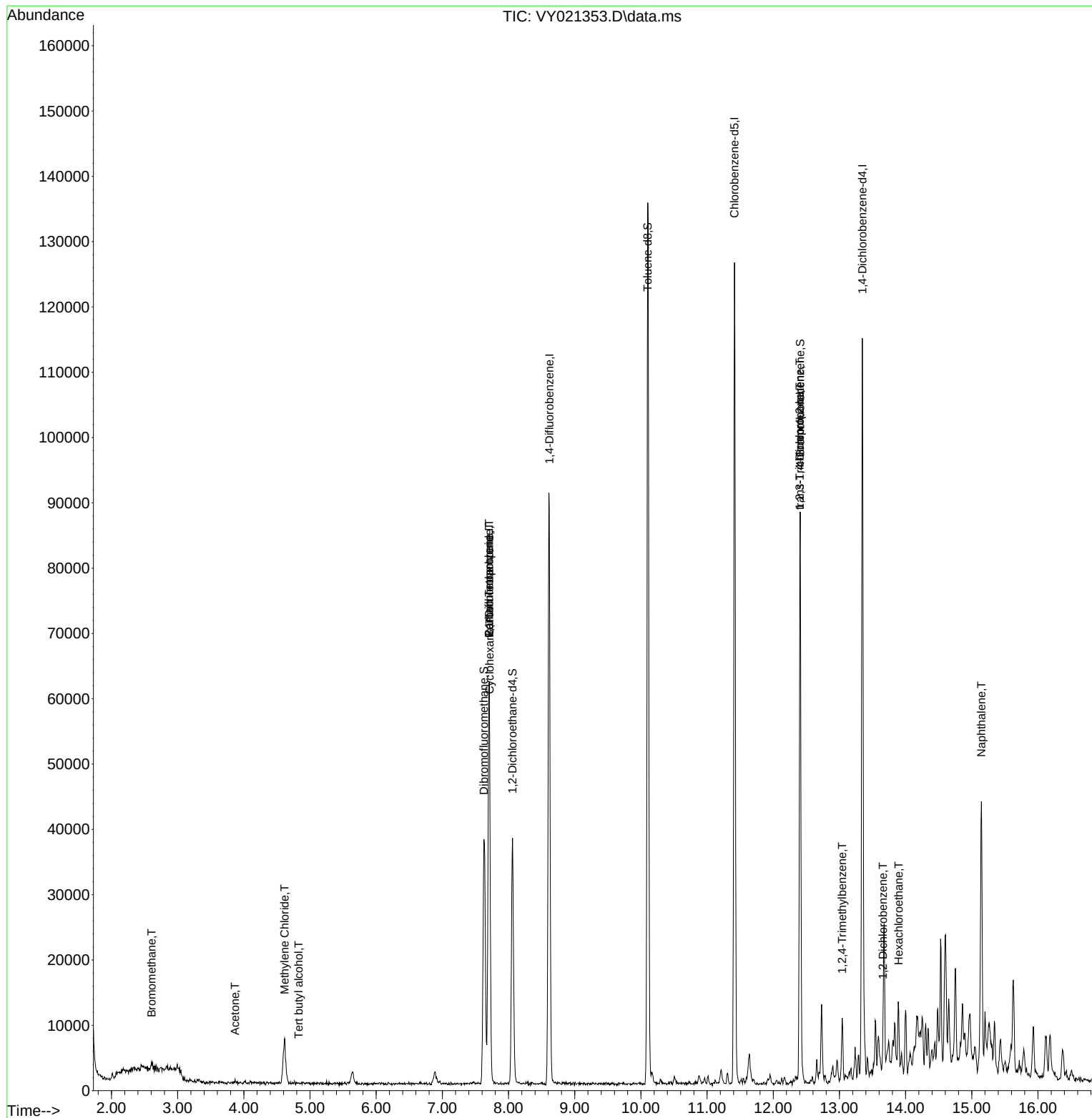
Internal Standards						
1) Pentafluorobenzene	7.707	168	46198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	75251	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	65329	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	26889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30012	57.267	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.540%	
35) Dibromofluoromethane	7.628	113	26675	54.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.140%	
50) Toluene-d8	10.103	98	88350	46.337	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.680%	
62) 4-Bromofluorobenzene	12.408	95	26230	40.877	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.760%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	407	1.103	ug/l	96
11) Tert butyl alcohol	4.830	59	70	1.736	ug/l #	72
16) Acetone	3.866	43	514	5.113	ug/l	94
20) Methylene Chloride	4.616	84	4463	8.210	ug/l	89
31) Cyclohexane	7.713	56	1111	1.202	ug/l #	44
36) 1,1-Dichloropropene	7.707	75	3946	5.325	ug/l #	47
38) Carbon Tetrachloride	7.707	117	4602	5.524	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	14288	53.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	14288	117.993	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.042	105	4956	3.006	ug/l	97
90) Hexachloroethane	13.895	117	438	1.148	ug/l #	11
91) 1,2-Dichlorobenzene	13.657	146	941	1.155	ug/l	93
95) Naphthalene	15.145	128	30382	36.880	ug/l	99

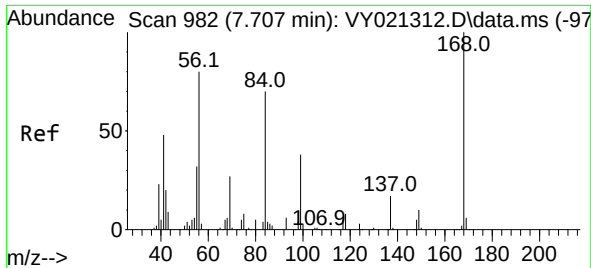
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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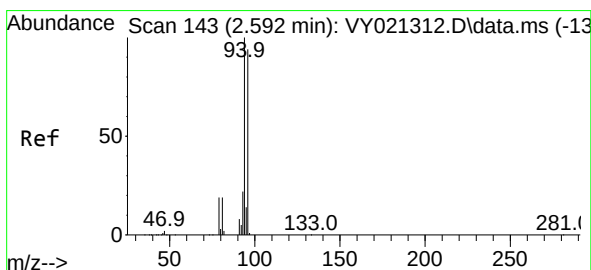
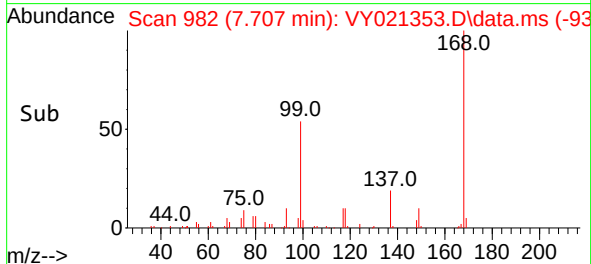
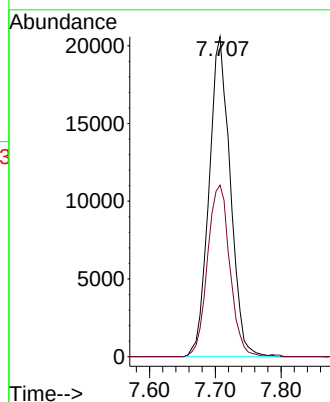
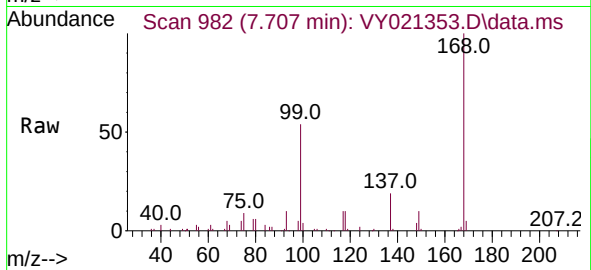




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

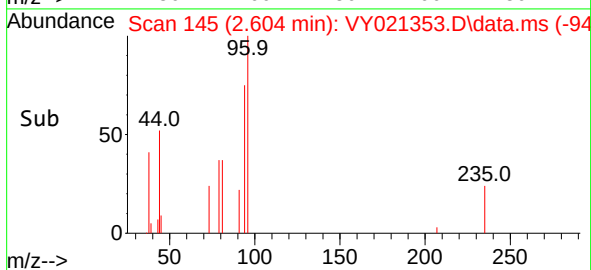
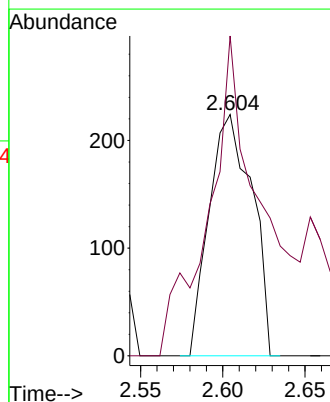
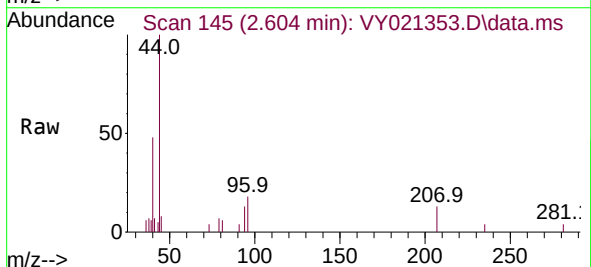
Instrument :
MSVOA_Y
ClientSampleId :

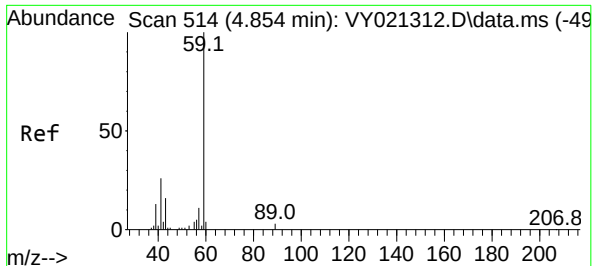
Tgt Ion:168 Resp: 46198
Ion Ratio Lower Upper
168 100
99 53.6 47.1 70.7



#5
Bromomethane
Concen: 1.103 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 98.2 75.2 112.8





#11

Tert butyl alcohol

Concen: 1.736 ug/l

RT: 4.830 min Scan# 514

Delta R.T. -0.024 min

Lab File: VY021353.D

Acq: 27 Feb 2025 13:14

Instrument :

MSVOA_Y

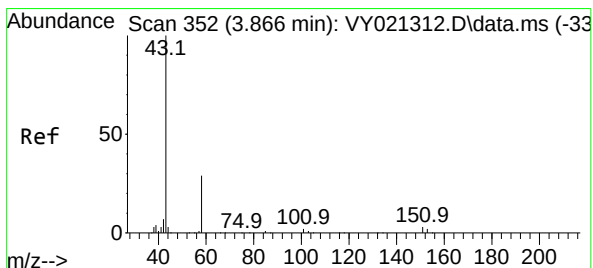
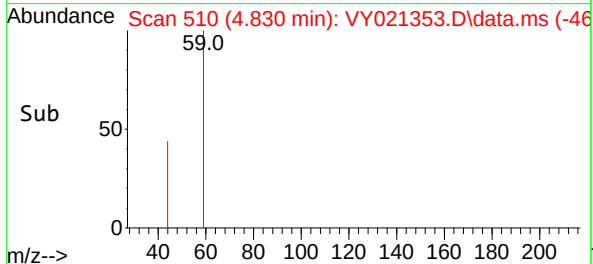
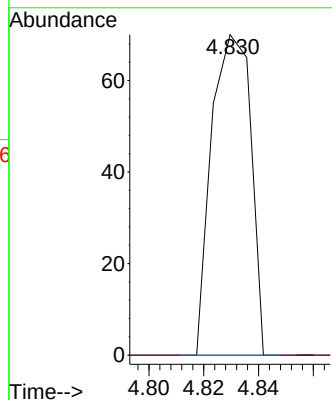
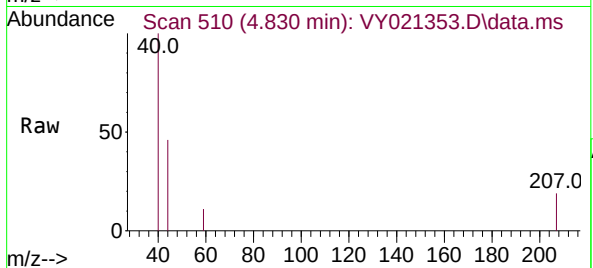
ClientSampleId :

Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 5.113 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.000 min

Lab File: VY021353.D

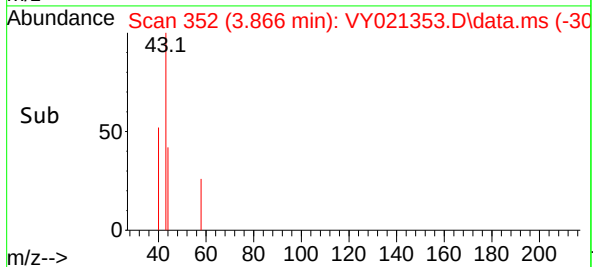
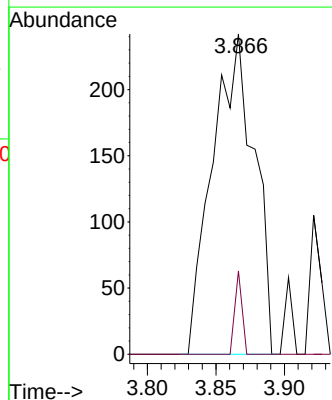
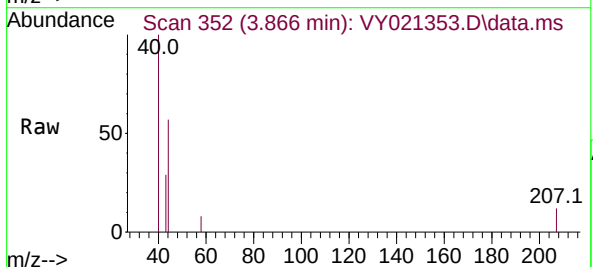
Acq: 27 Feb 2025 13:14

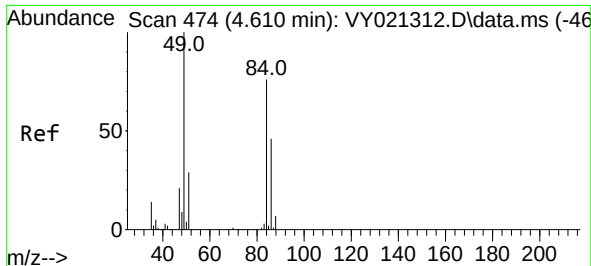
Tgt Ion: 43 Resp: 514

Ion Ratio Lower Upper

43 100

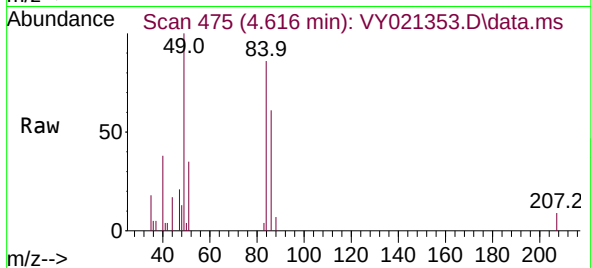
58 26.0 23.5 35.3



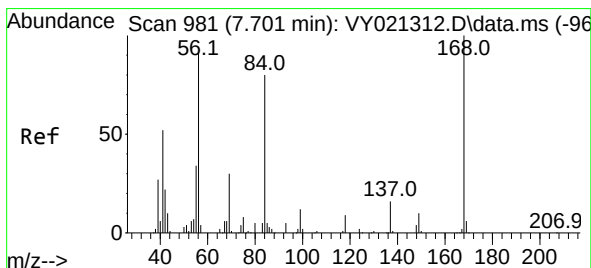
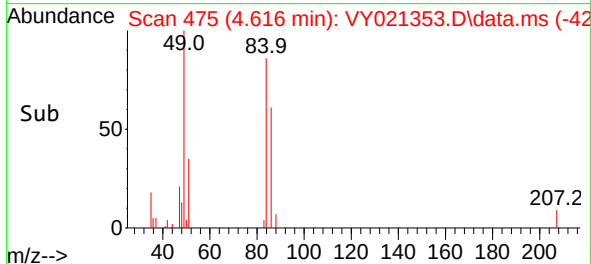
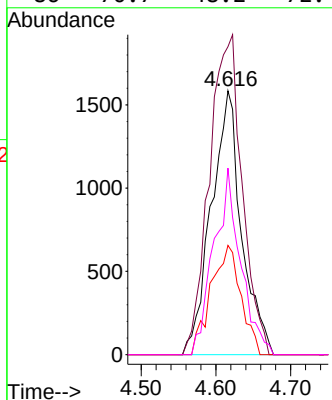


#20
Methylene Chloride
Concen: 8.210 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :

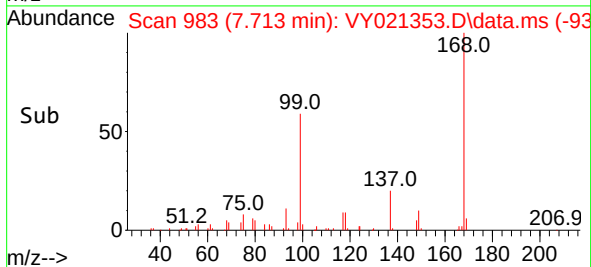
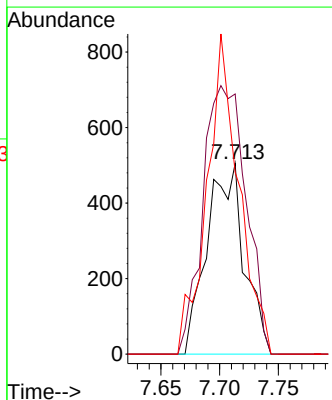
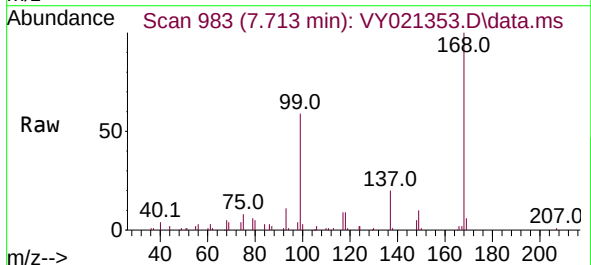


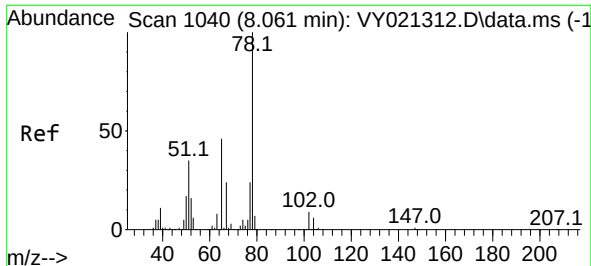
Tgt Ion: 84	Resp: 4463
Ion Ratio	Lower Upper
84 100	
49 116.7	105.1 157.7
51 41.4	31.0 46.4
86 70.7	48.2 72.4



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Tgt Ion: 56	Resp: 1111
Ion Ratio	Lower Upper
56 100	
69 136.4	26.2 39.4#
84 95.4	70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 57.267 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021353.D

Acq: 27 Feb 2025 13:14

Instrument :

MSVOA_Y

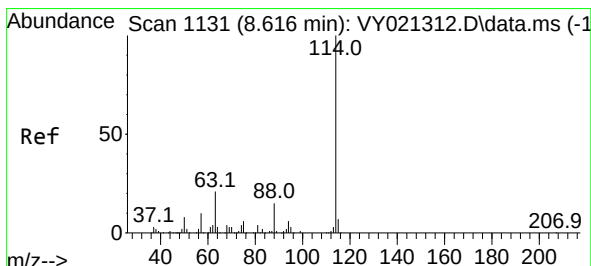
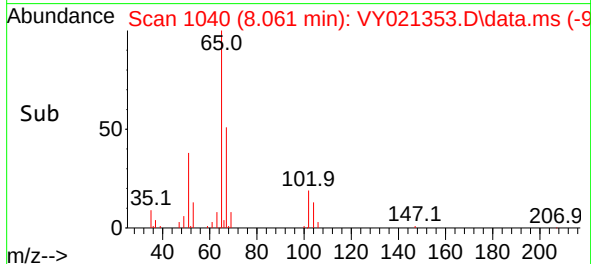
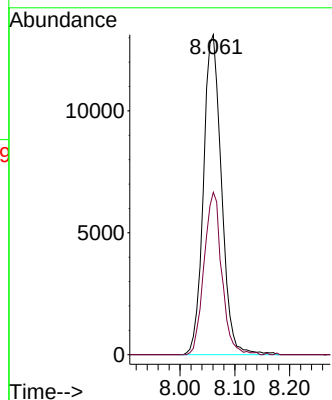
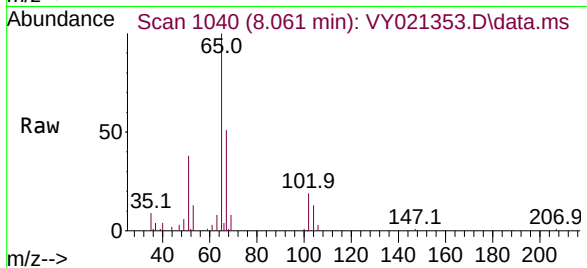
ClientSampleId :

Tgt Ion: 65 Resp: 30012

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021353.D

Acq: 27 Feb 2025 13:14

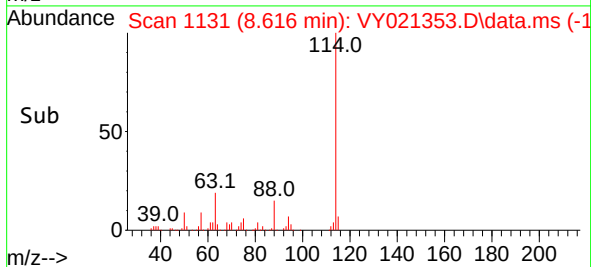
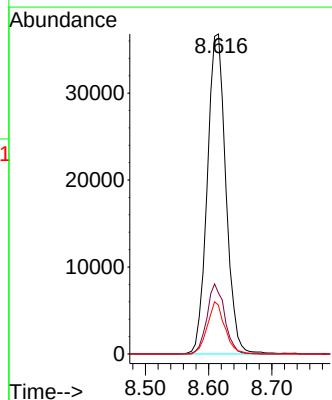
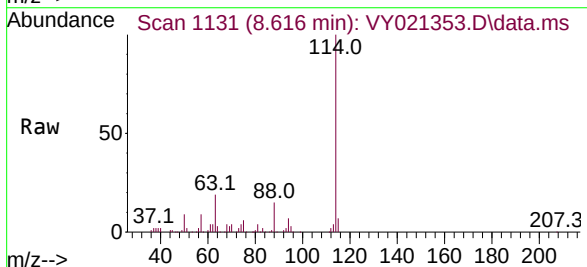
Tgt Ion: 114 Resp: 75251

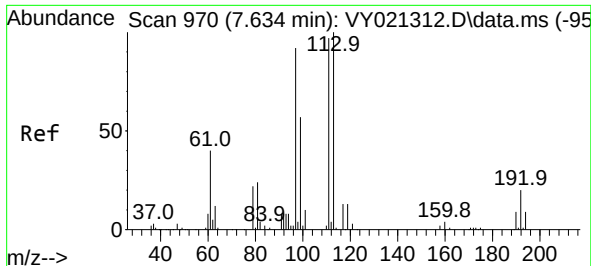
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.2

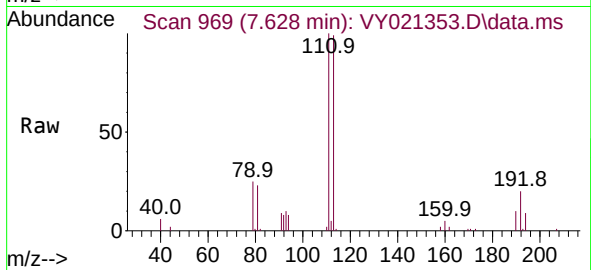
88 15.2 0.0 29.8



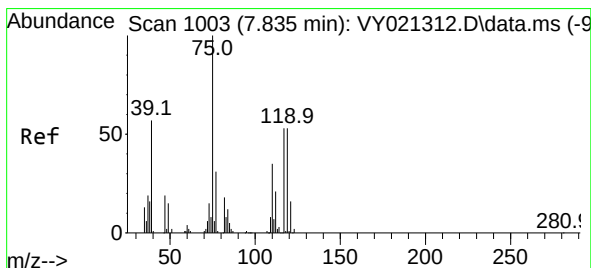
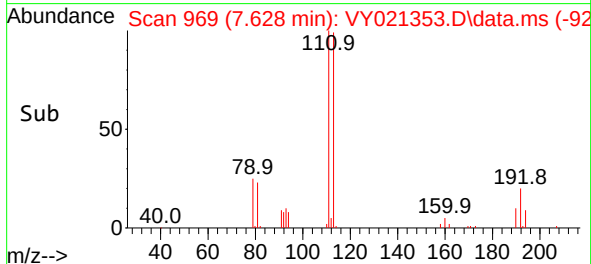
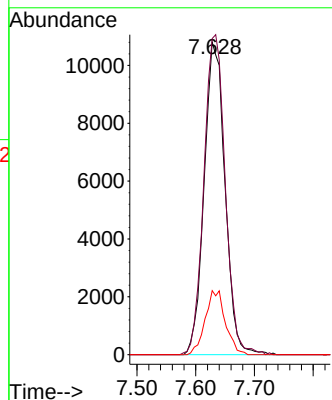


#35
Dibromofluoromethane
Concen: 54.069 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :

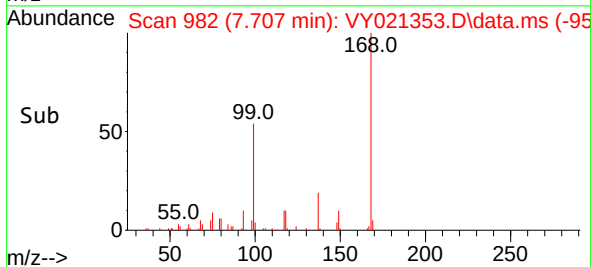
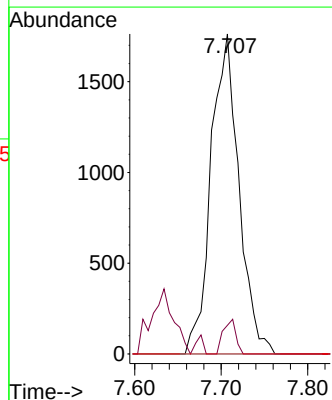
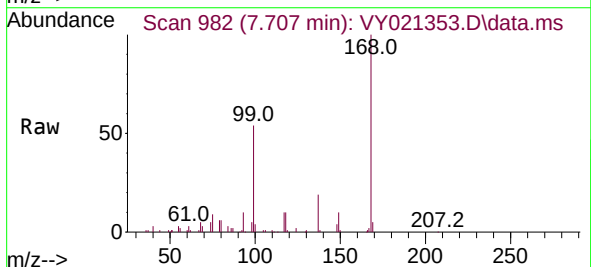


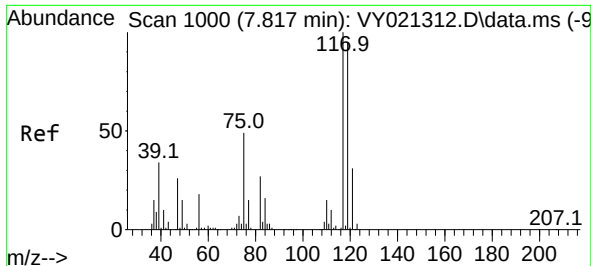
Tgt Ion:113 Resp: 26675
Ion Ratio Lower Upper
113 100
111 104.8 81.0 121.6
192 19.9 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.325 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

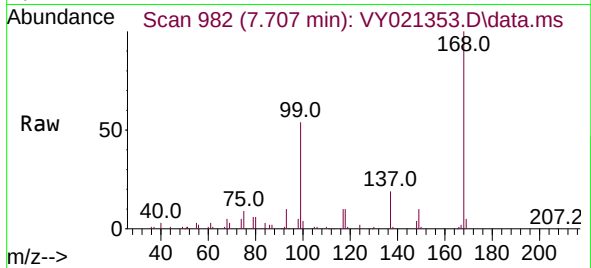
Tgt Ion: 75 Resp: 3946
Ion Ratio Lower Upper
75 100
110 4.9 16.9 50.7#
77 0.0 24.6 36.8#



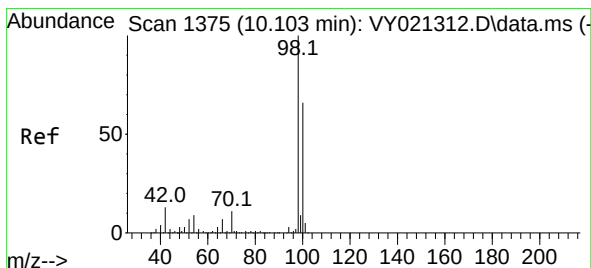
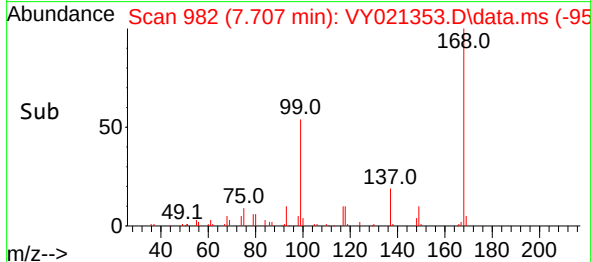
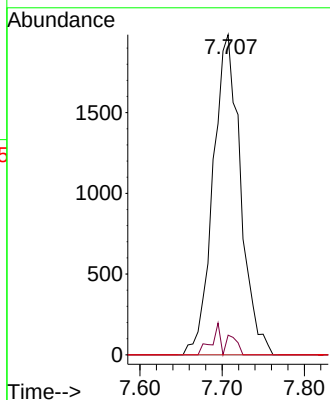


#38
Carbon Tetrachloride
Concen: 5.524 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :

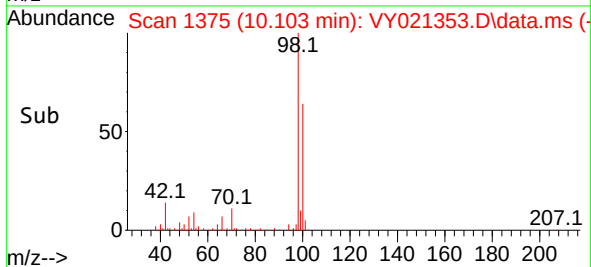
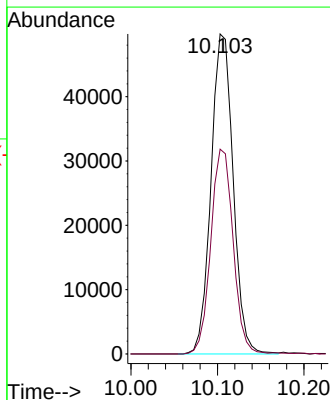
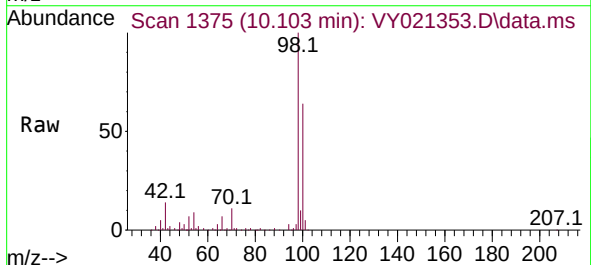


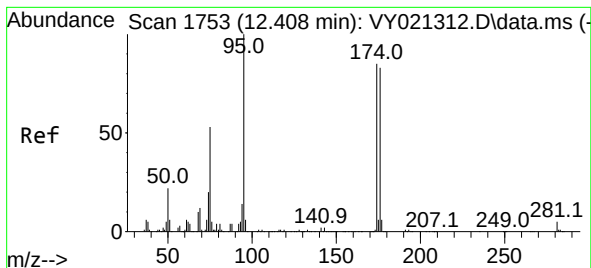
Tgt Ion:117 Resp: 4602
Ion Ratio Lower Upper
117 100
119 6.1 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 46.337 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Tgt Ion: 98 Resp: 88350
Ion Ratio Lower Upper
98 100
100 64.7 52.4 78.6

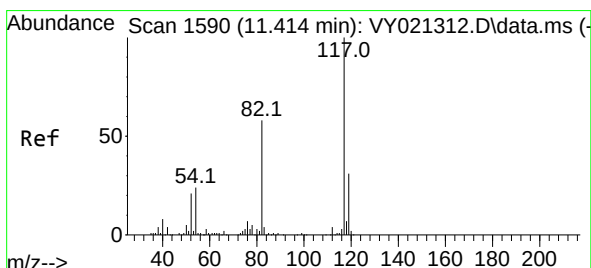
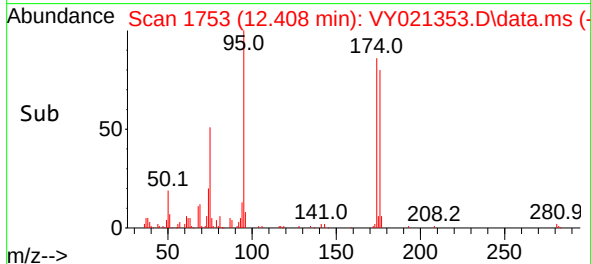
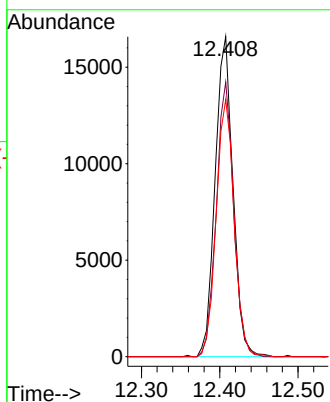
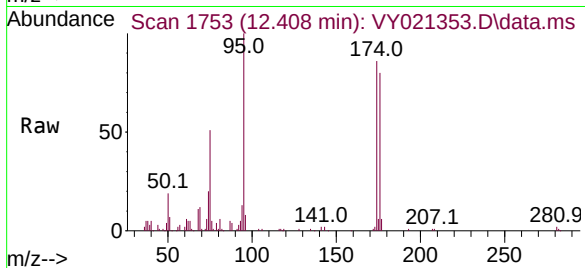




#62
4-Bromofluorobenzene
Concen: 40.877 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

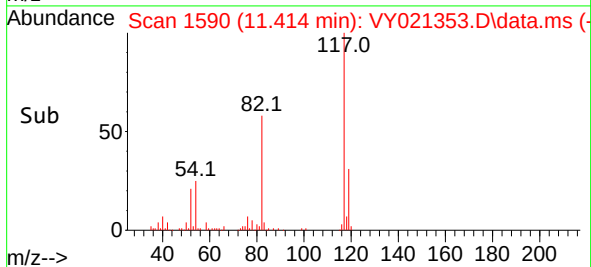
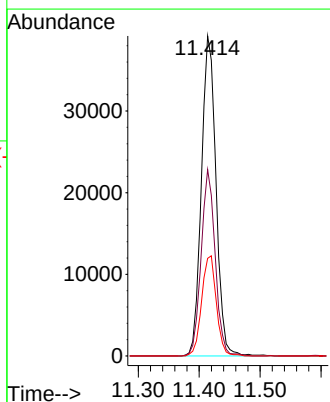
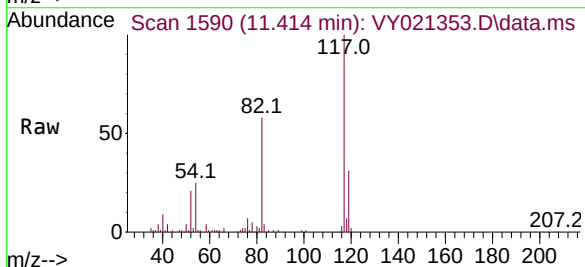
Instrument :
MSVOA_Y
ClientSampleId :

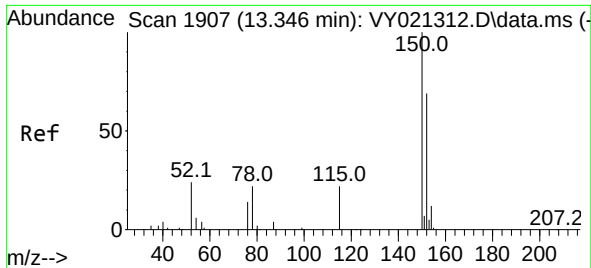
Tgt Ion: 95 Resp: 26230
Ion Ratio Lower Upper
95 100
174 84.0 0.0 168.0
176 80.9 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

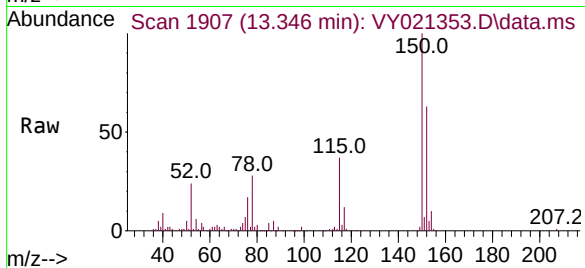
Tgt Ion: 117 Resp: 65329
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.4
119 30.5 24.9 37.3



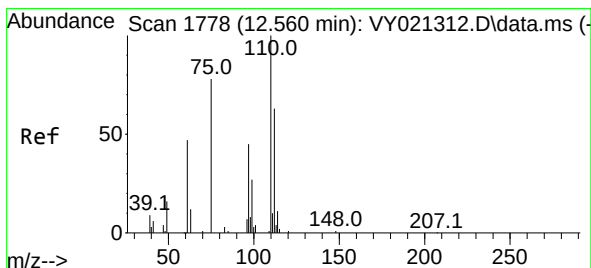
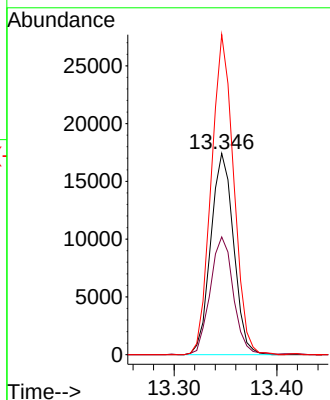
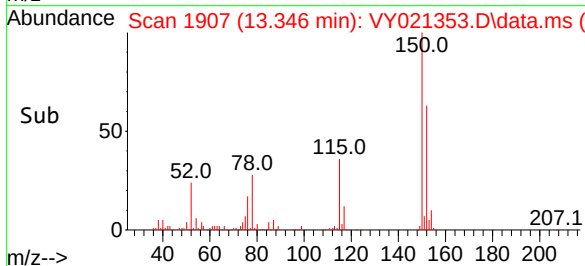


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Instrument :
MSVOA_Y
ClientSampleId :

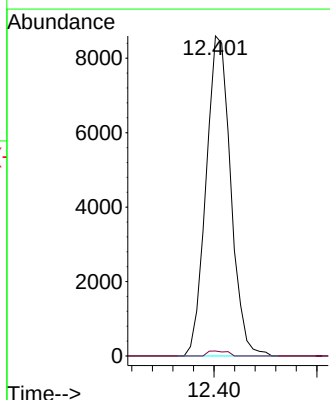
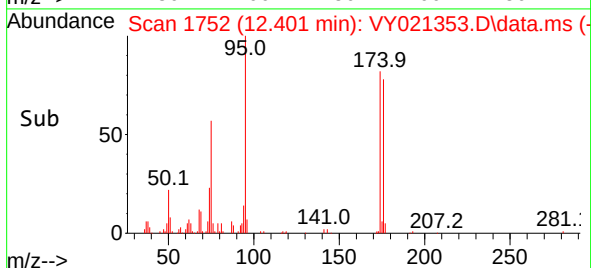
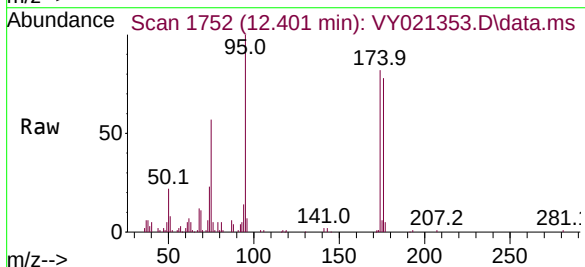


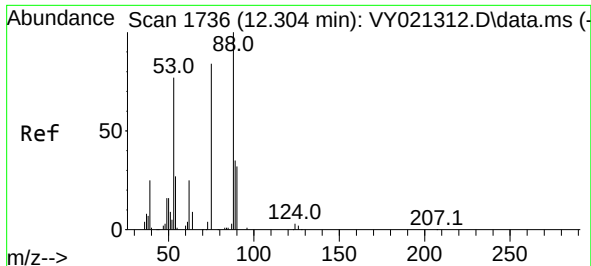
Tgt Ion:152 Resp: 26889
Ion Ratio Lower Upper
152 100
115 59.5 29.3 88.0
150 156.0 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 53.087 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.159 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Tgt Ion: 75 Resp: 14288
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

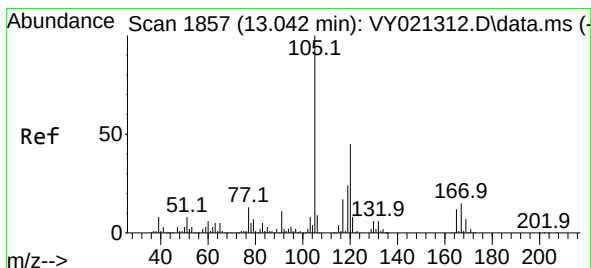
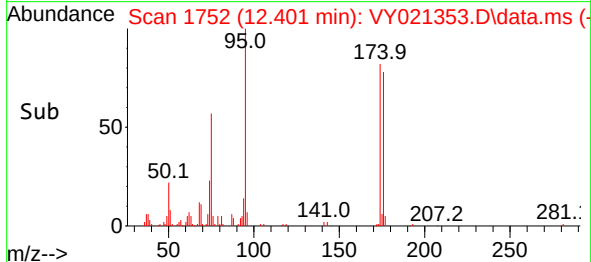
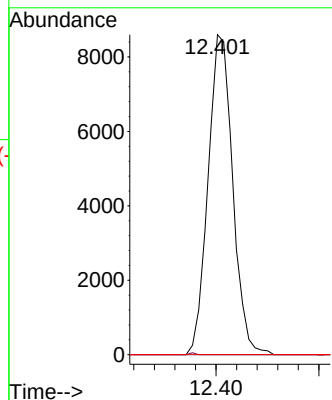
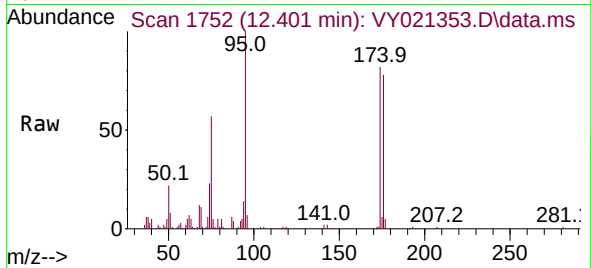




#81
trans-1,4-Dichloro-2-butene
Concen: 117.993 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

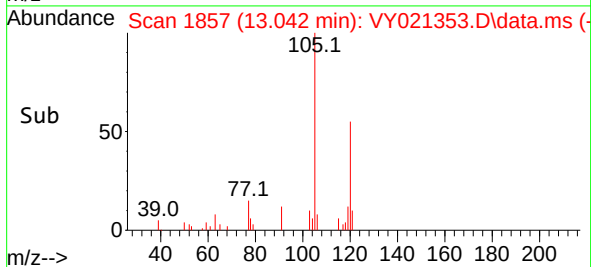
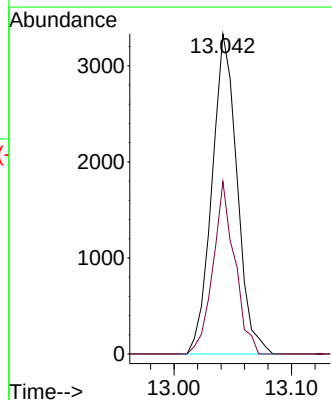
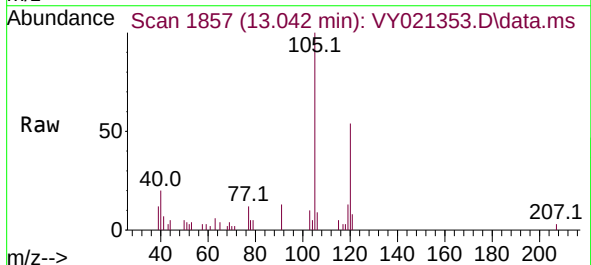
Instrument :
MSVOA_Y
ClientSampleId :

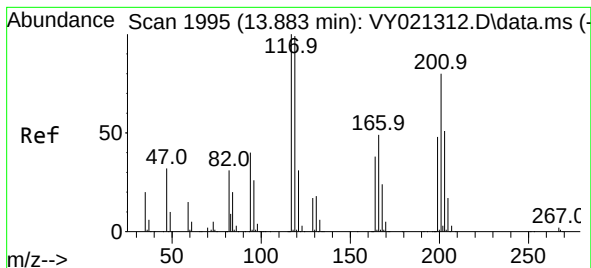
Tgt Ion: 75 Resp: 14288
Ion Ratio Lower Upper
75 100
53 0.0 79.1 118.7#
89 0.0 35.6 53.4#



#84
1,2,4-Trimethylbenzene
Concen: 3.006 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY021353.D
Acq: 27 Feb 2025 13:14

Tgt Ion: 105 Resp: 4956
Ion Ratio Lower Upper
105 100
120 46.6 22.4 67.3





#90

Hexachloroethane

Concen: 1.148 ug/l

RT: 13.895 min Scan# 1997

Delta R.T. 0.012 min

Lab File: VY021353.D

Acq: 27 Feb 2025 13:14

Instrument :

MSVOA_Y

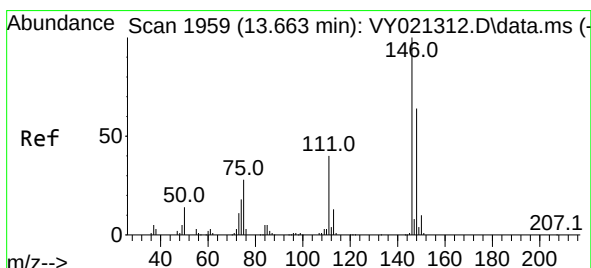
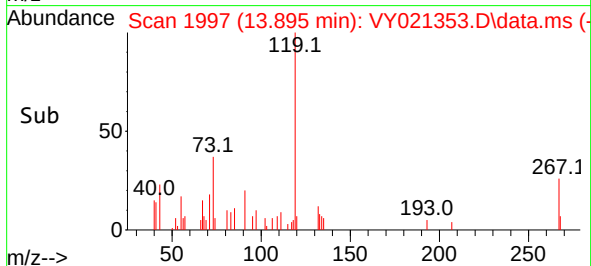
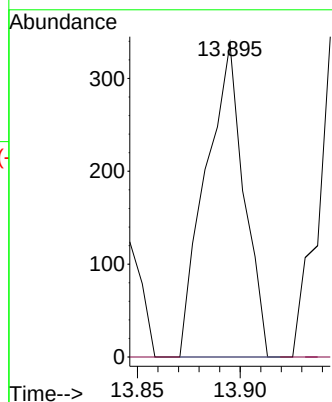
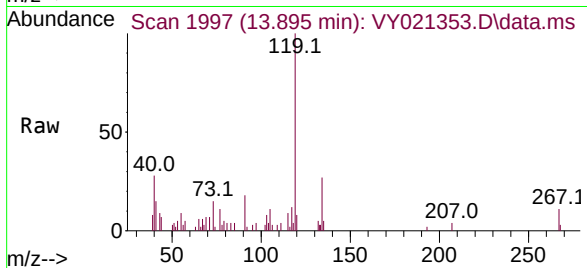
ClientSampleId :

Tgt Ion:117 Resp: 438

Ion Ratio Lower Upper

117 100

201 0.0 38.4 115.2#



#91

1,2-Dichlorobenzene

Concen: 1.155 ug/l

RT: 13.657 min Scan# 1958

Delta R.T. -0.006 min

Lab File: VY021353.D

Acq: 27 Feb 2025 13:14

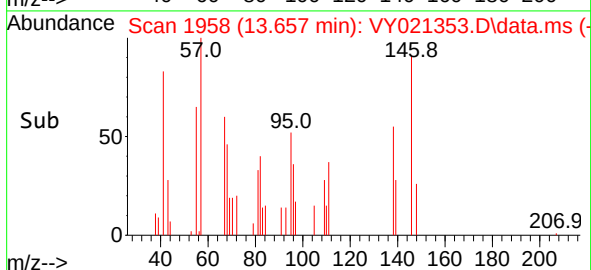
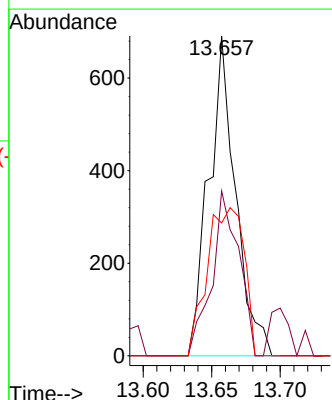
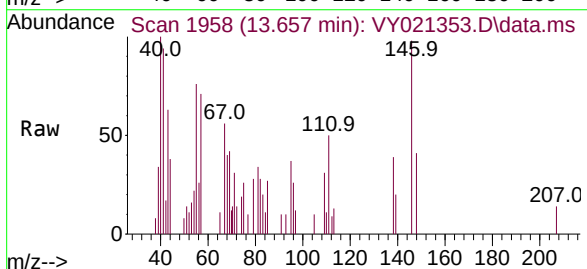
Tgt Ion:146 Resp: 941

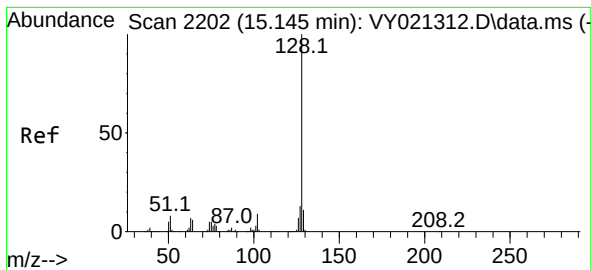
Ion Ratio Lower Upper

146 100

111 51.9 20.7 62.1

148 63.9 31.7 95.1





#95

Naphthalene

Concen: 36.880 ug/l

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

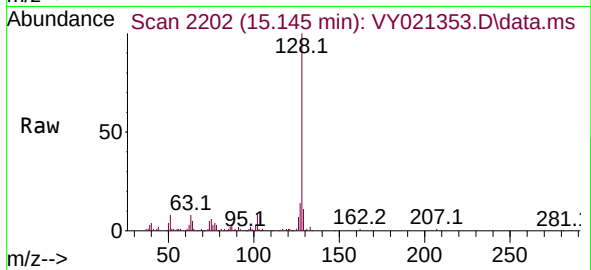
Lab File: VY021353.D

Acq: 27 Feb 2025 13:14

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	30382
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.4	8.5	12.7

