

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010325\
 Data File : VY020770.D
 Acq On : 03 Jan 2025 15:28
 Operator : SY/MD
 Sample : Q1009-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 03 22:05:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

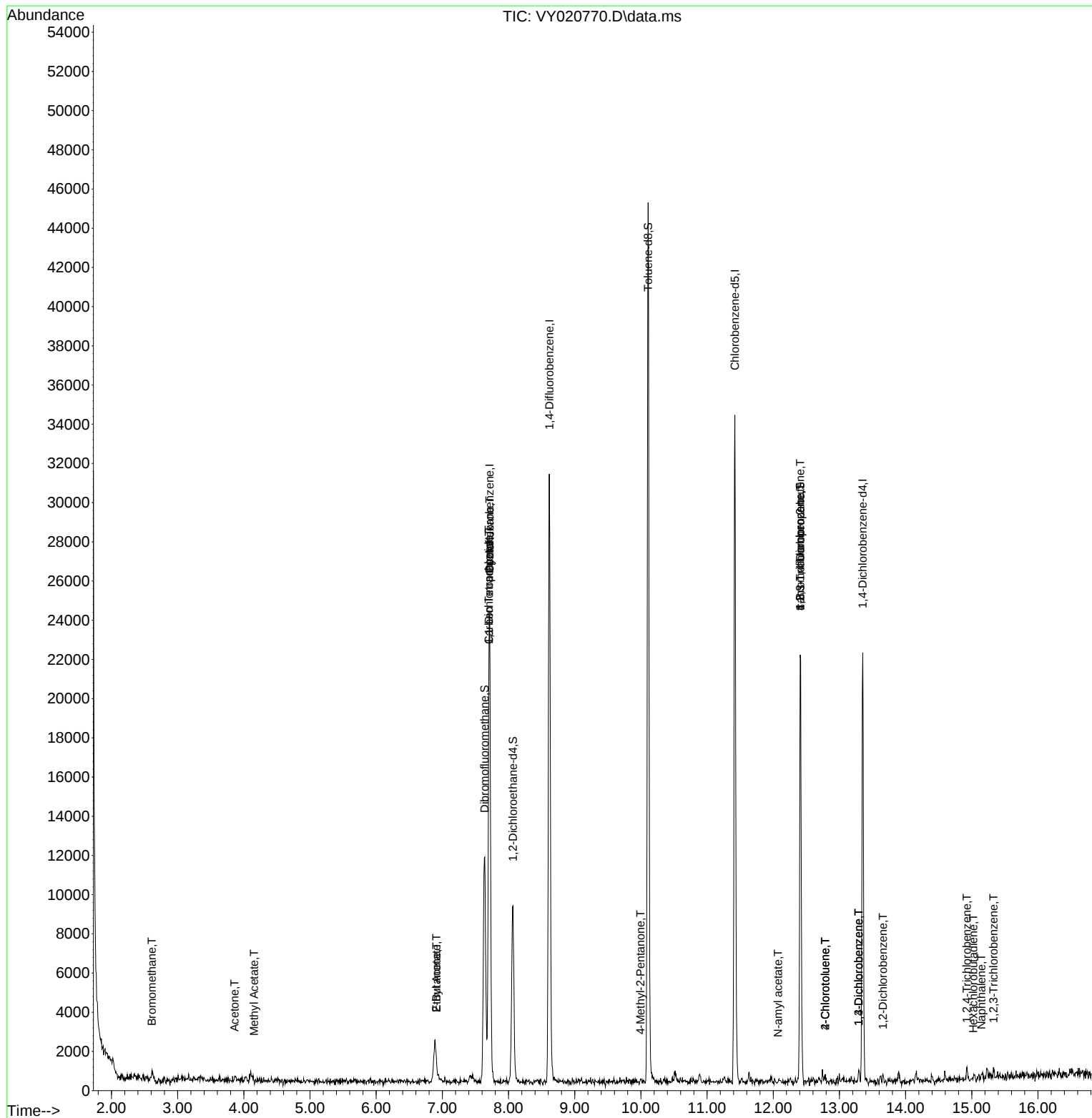
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	20295	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.616	114	29167	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	20406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	5958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	7882	47.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.820%
35) Dibromofluoromethane	7.640	113	8532	53.107	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.220%
50) Toluene-d8	10.109	98	31262	48.970	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.940%
62) 4-Bromofluorobenzene	12.408	95	6868	32.168	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	64.340%
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	113	2.028	ug/l	96
16) Acetone	3.860	43	179	8.488	ug/l #	43
18) Methyl Acetate	4.153	43	67	1.174	ug/l #	43
25) 2-Butanone	6.909	43	101	3.545	ug/l #	38
31) Cyclohexane	7.713	56	413	1.934	ug/l #	41
36) 1,1-Dichloropropene	7.701	75	1426	6.720	ug/l #	40
37) Ethyl Acetate	6.909	43	101	1.444	ug/l #	65
38) Carbon Tetrachloride	7.701	117	2118	6.061	ug/l #	13
51) 4-Methyl-2-Pentanone	9.993	43	166	2.314	ug/l #	32
74) N-amyl acetate	12.072	43	78	1.330	ug/l #	38
76) 1,2,3-Trichloropropane	12.408	75	3636	95.953	ug/l #	100
79) 2-Chlorotoluene	12.786	91	285	1.081	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.408	75	3636	189.661	ug/l #	8
82) 4-Chlorotoluene	12.786	91	285	1.046	ug/l	87
87) 1,3-Dichlorobenzene	13.292	146	289	1.556	ug/l	96
88) 1,4-Dichlorobenzene	13.292	146	289	1.564	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	218	1.369	ug/l #	72
93) 1,2,4-Trichlorobenzene	14.925	180	173	1.709	ug/l #	48
94) Hexachlorobutadiene	15.023	225	132	1.789	ug/l #	31
95) Naphthalene	15.145	128	500	3.084	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.328	180	199	2.361	ug/l #	79

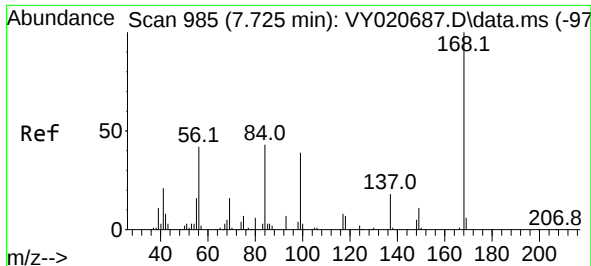
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

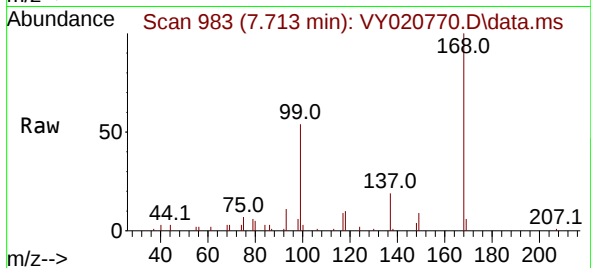
Quant Time: Jan 03 22:05:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 26 16:12:28 2024
Response via : Initial Calibration



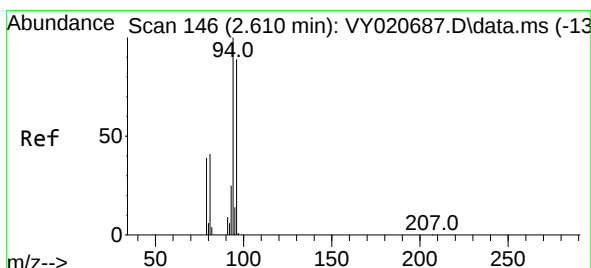
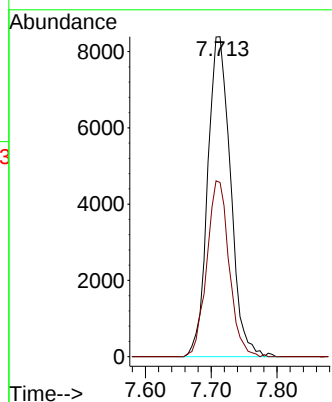
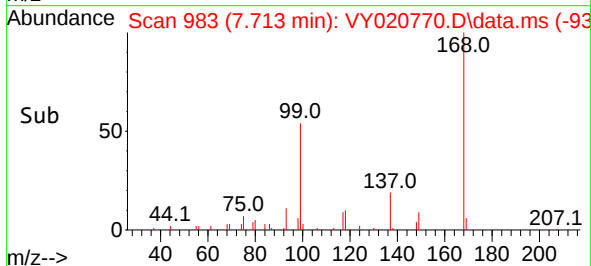


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. -0.012 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

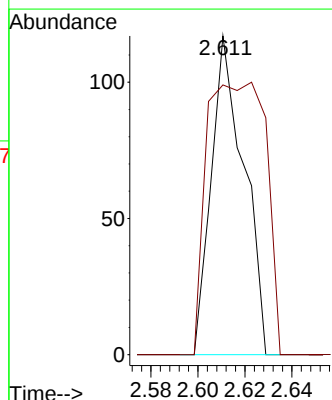
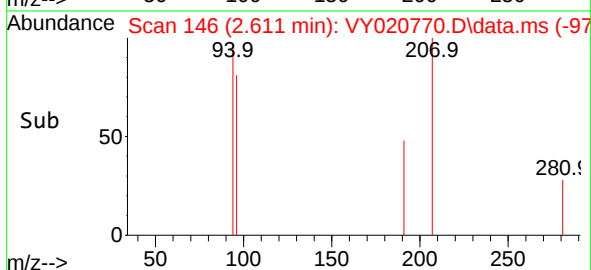
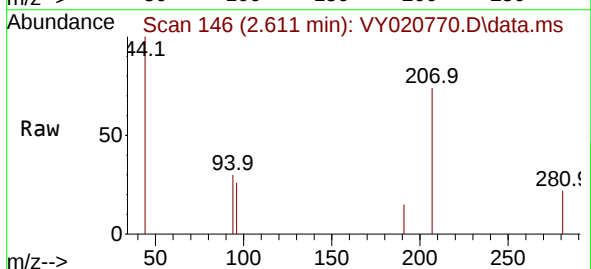


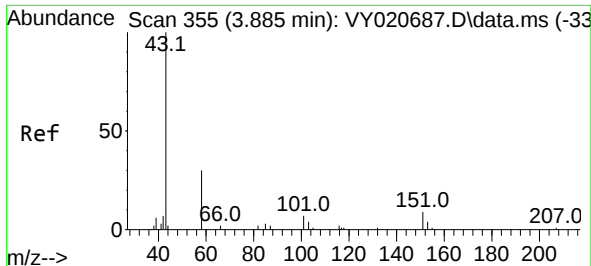
Tgt Ion:168 Resp: 20295
Ion Ratio Lower Upper
168 100
99 54.5 43.8 65.6



#5
Bromomethane
Concen: 2.028 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.001 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

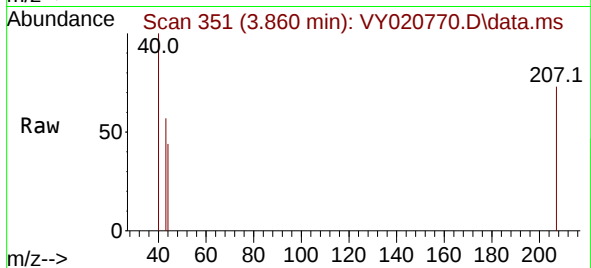
Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 84.6 71.0 106.6



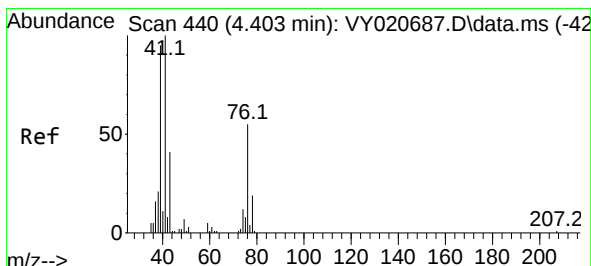
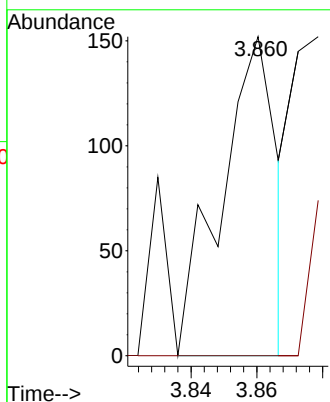
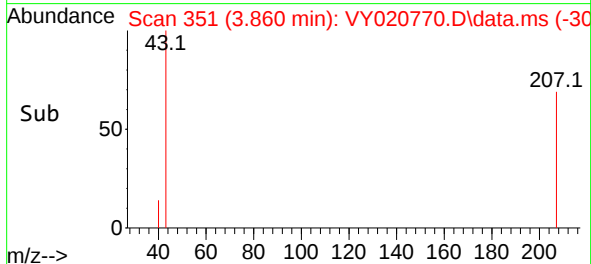


#16
Acetone
Concen: 8.488 ug/l
RT: 3.860 min Scan# 311
Delta R.T. -0.025 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

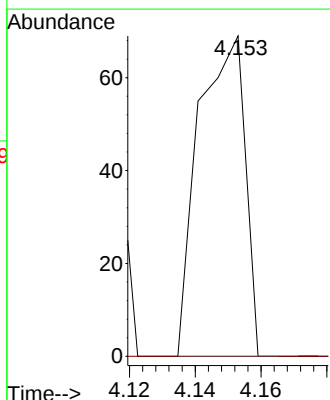
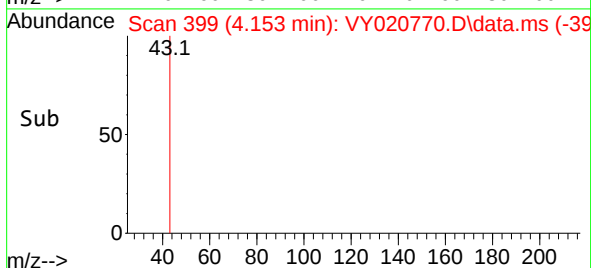
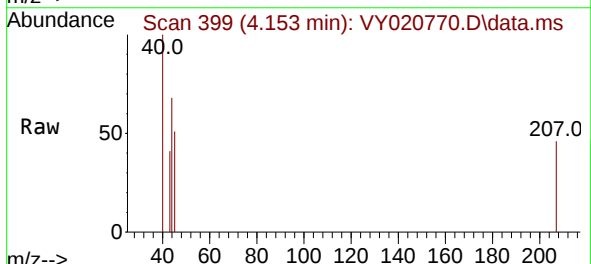


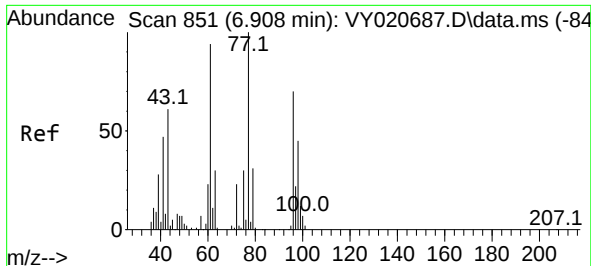
Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.6#



#18
Methyl Acetate
Concen: 1.174 ug/l
RT: 4.153 min Scan# 399
Delta R.T. -0.250 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

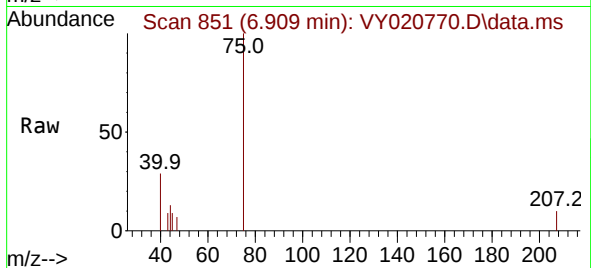
Tgt Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
74 0.0 25.3 37.9#



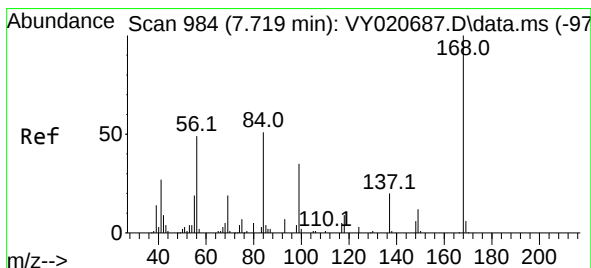
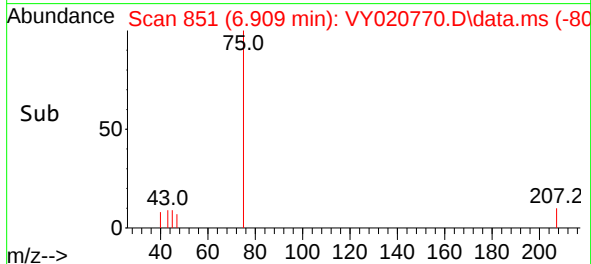
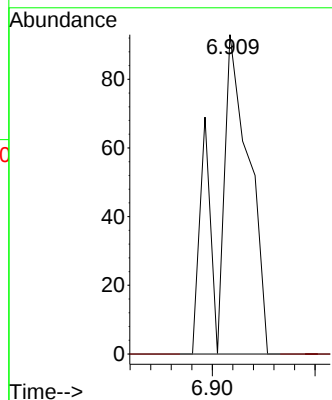


#25
2-Butanone
Concen: 3.545 ug/l
RT: 6.909 min Scan# 81
Delta R.T. 0.001 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

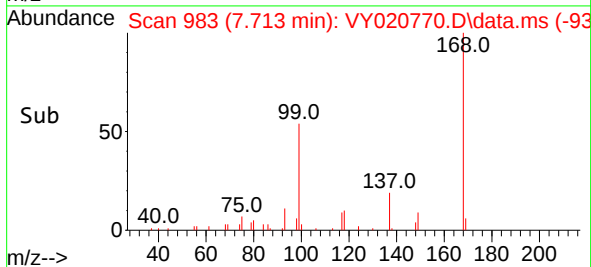
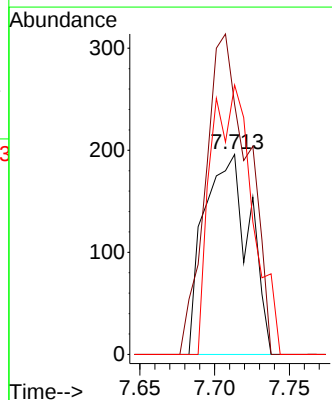
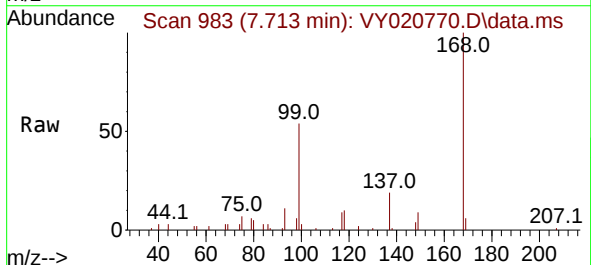


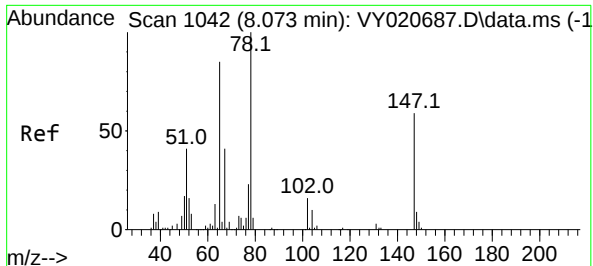
Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
72 0.0 29.5 44.3#



#31
Cyclohexane
Concen: 1.934 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.006 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

Tgt Ion: 56 Resp: 413
Ion Ratio Lower Upper
56 100
69 125.0 31.3 46.9#
84 134.7 83.9 125.9#





#33

1,2-Dichloroethane-d4

Concen: 47.415 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

Instrument :

MSVOA_Y

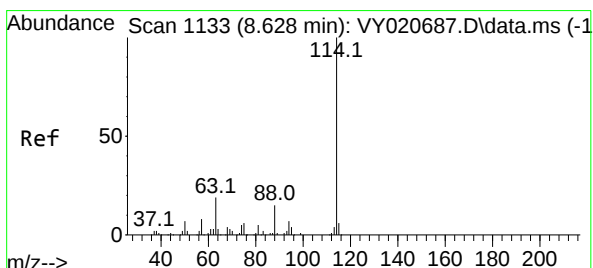
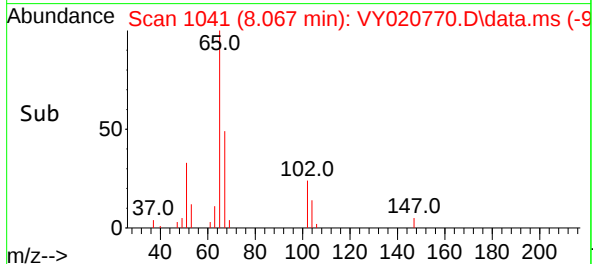
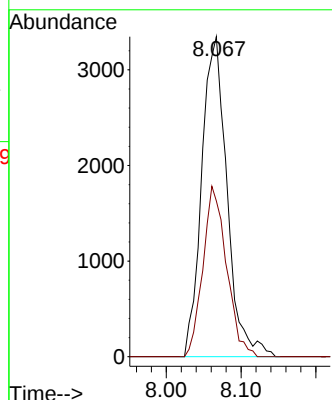
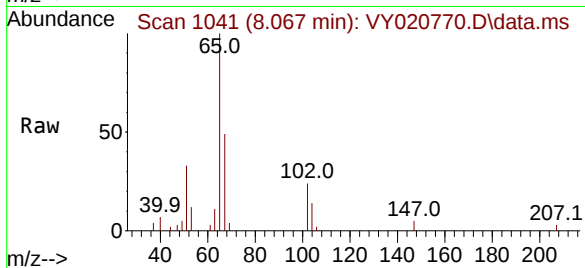
ClientSampleId :

Tgt Ion: 65 Resp: 7882

Ion Ratio Lower Upper

65 100

67 49.7 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

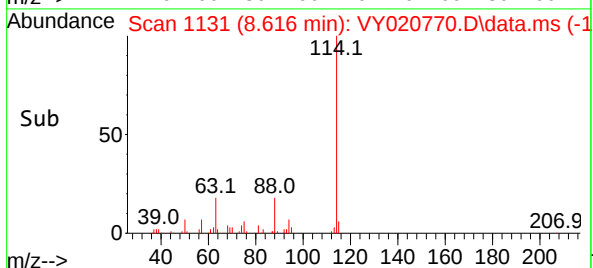
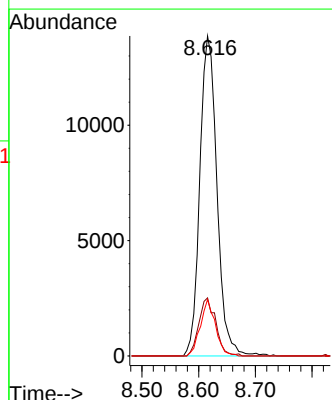
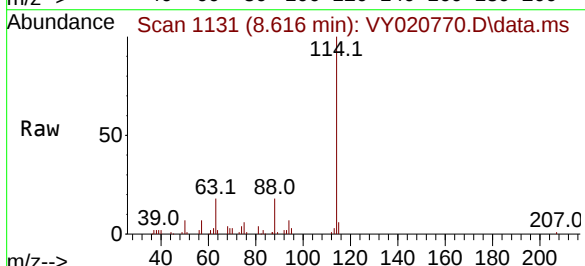
Tgt Ion: 114 Resp: 29167

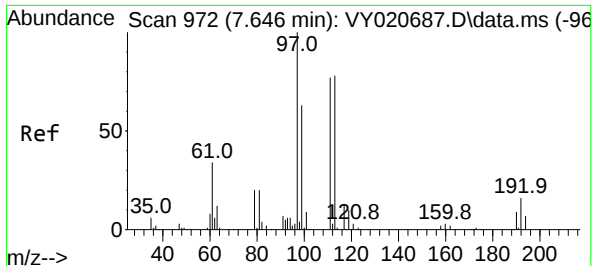
Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 17.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.107 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.006 min

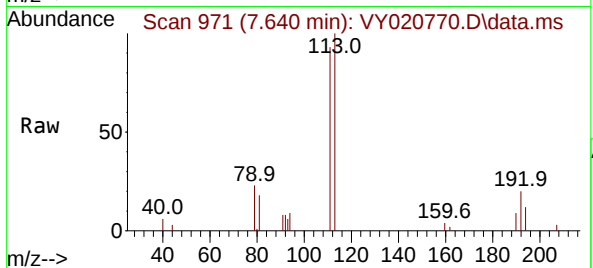
Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

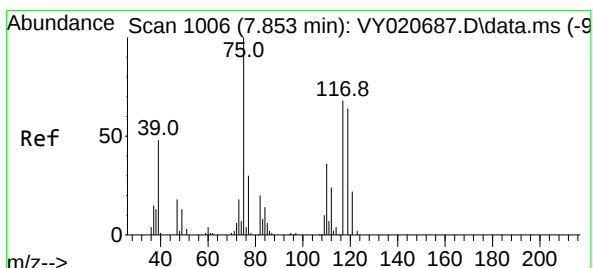
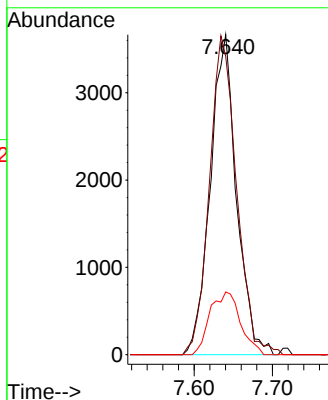
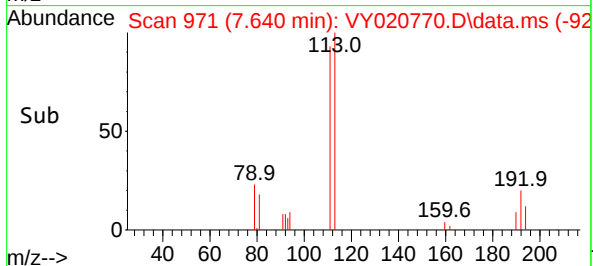
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	8532
Ion	Ratio	Lower	Upper
113	100		
111	103.1	79.8	119.8
192	22.7	17.0	25.6



#36

1,1-Dichloropropene

Concen: 6.720 ug/l

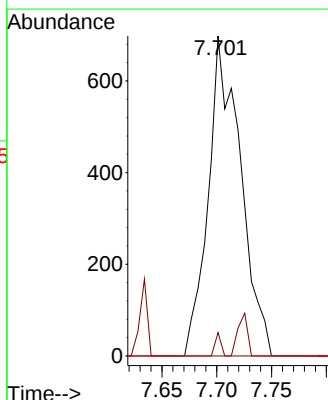
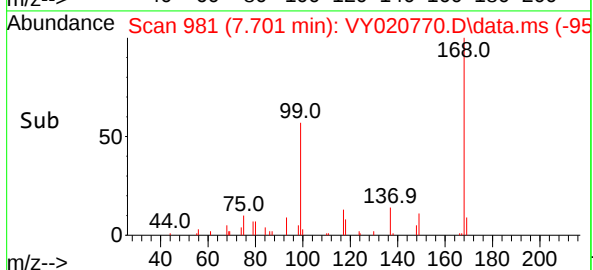
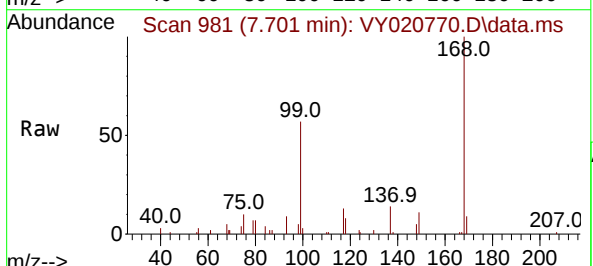
RT: 7.701 min Scan# 981

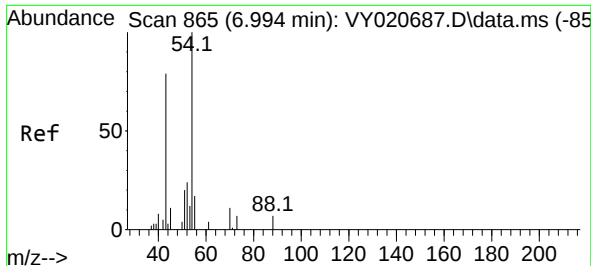
Delta R.T. -0.152 min

Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

Tgt Ion:	75	Resp:	1426
Ion	Ratio	Lower	Upper
75	100		
110	1.3	19.6	58.7#
77	0.0	25.1	37.7#





#37

Ethyl Acetate

Concen: 1.444 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.085 min

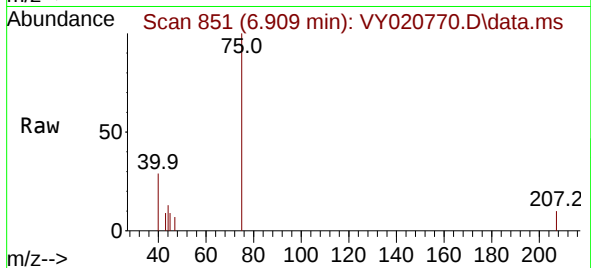
Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

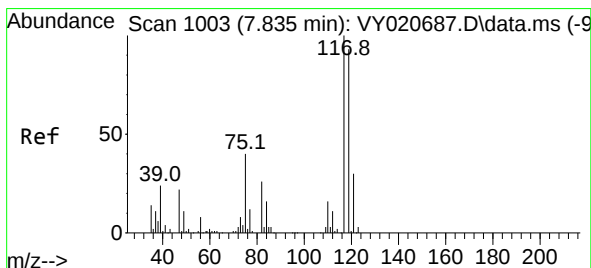
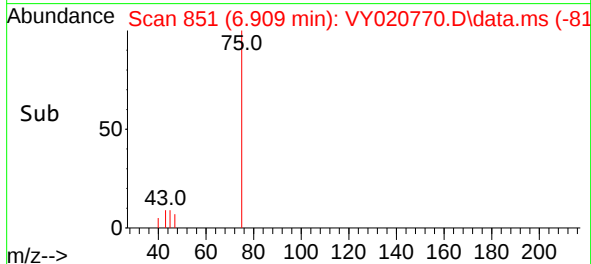
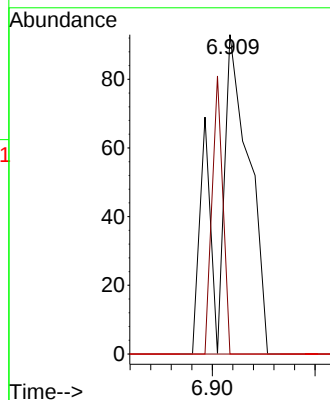
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	101
Ion	Ratio	Lower	Upper
43	100		
61	29.7	11.7	17.5#
70	0.0	11.0	16.4#



#38

Carbon Tetrachloride

Concen: 6.061 ug/l

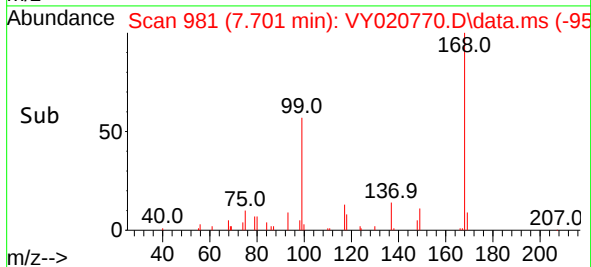
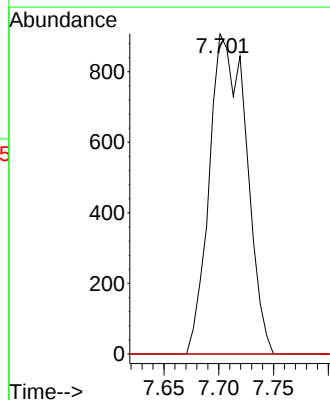
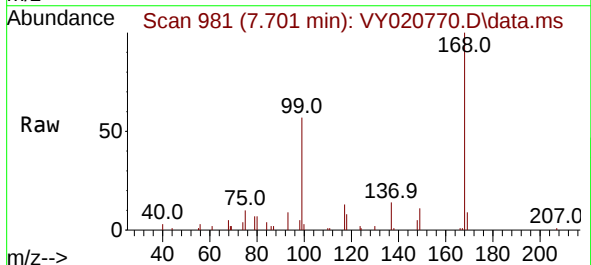
RT: 7.701 min Scan# 981

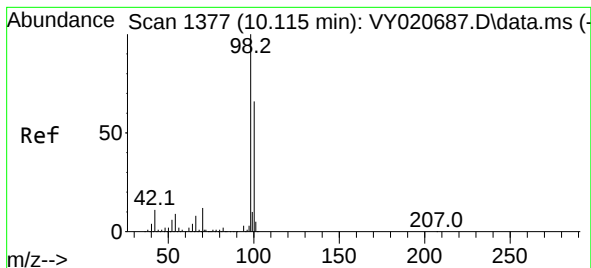
Delta R.T. -0.134 min

Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

Tgt Ion:	117	Resp:	2118
Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.4	111.6#
121	0.0	24.2	36.2#

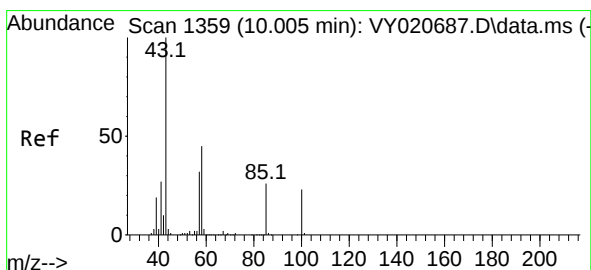
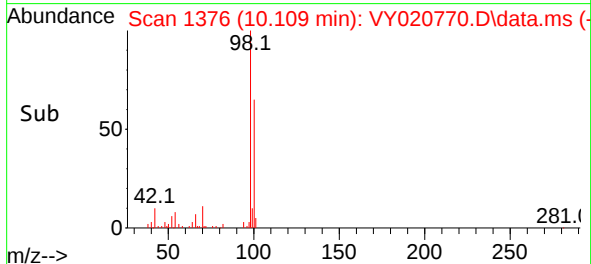
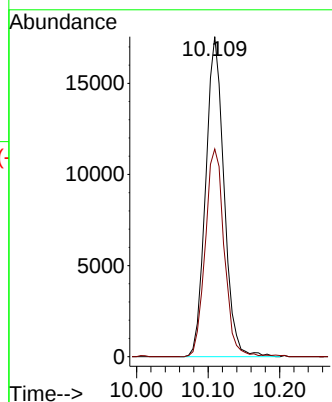
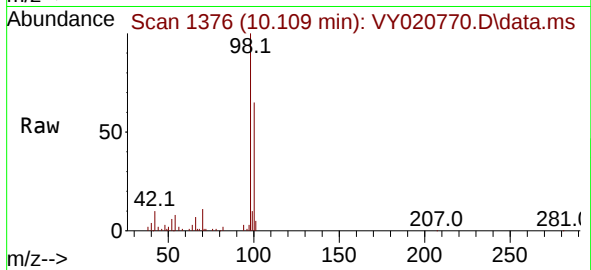




#50
Toluene-d8
Concen: 48.970 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

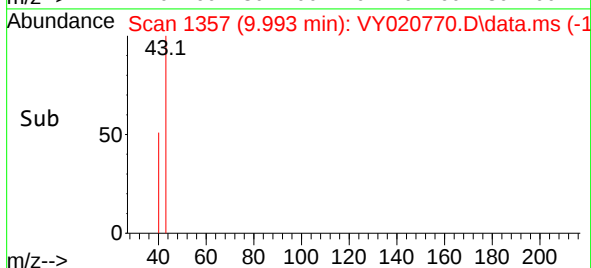
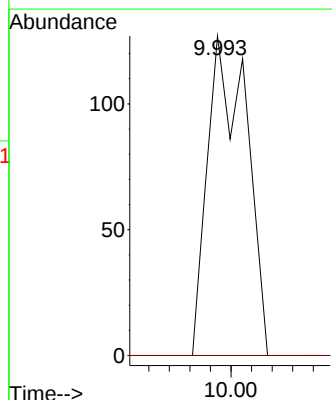
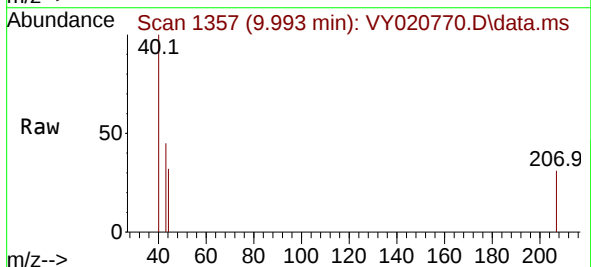
Instrument :
MSVOA_Y
ClientSampleId :

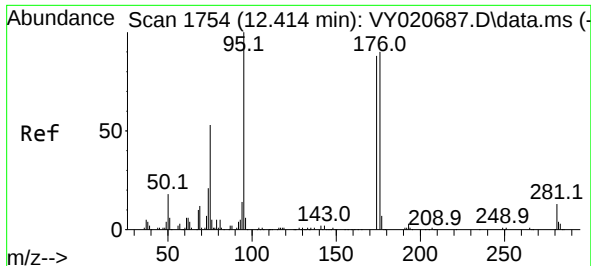
Tgt Ion: 98 Resp: 31262
Ion Ratio Lower Upper
98 100
100 67.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.314 ug/l
RT: 9.993 min Scan# 1357
Delta R.T. -0.012 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

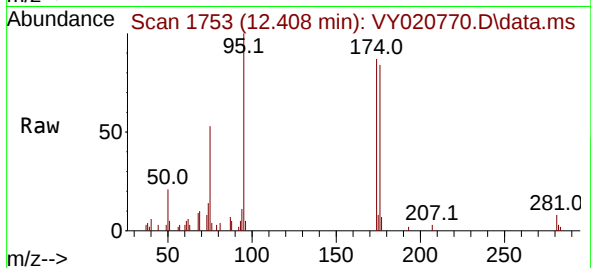
Tgt Ion: 43 Resp: 166
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#



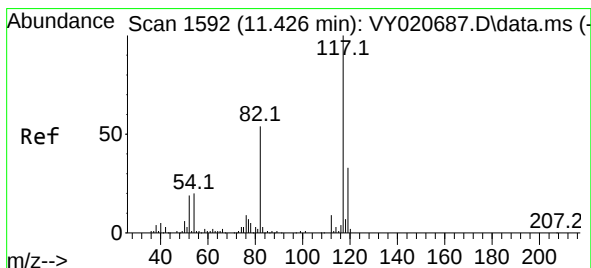
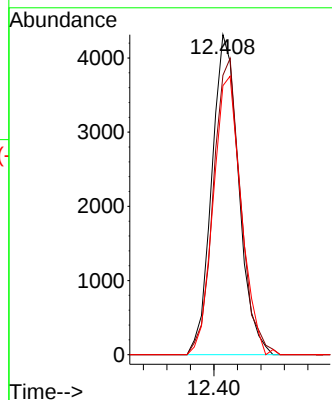
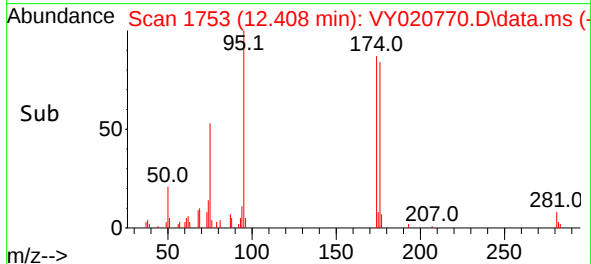


#62
4-Bromofluorobenzene
Concen: 32.168 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

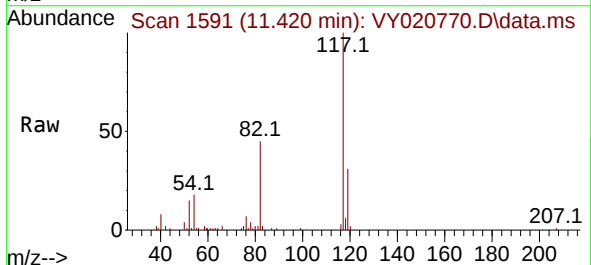
Instrument :
MSVOA_Y
ClientSampleId :



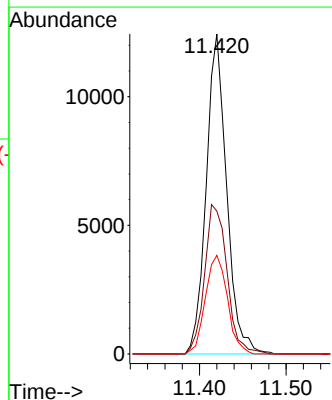
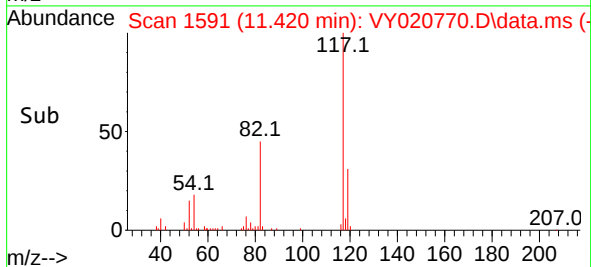
Tgt Ion: 95 Resp: 6868
Ion Ratio Lower Upper
95 100
174 93.6 0.0 179.2
176 90.3 0.0 179.8

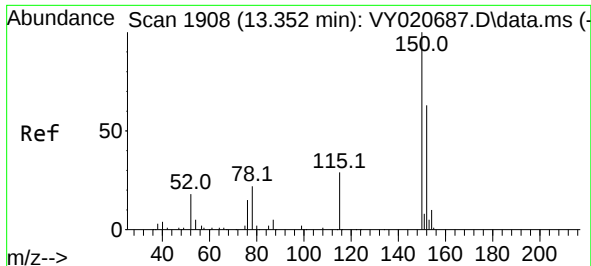


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28



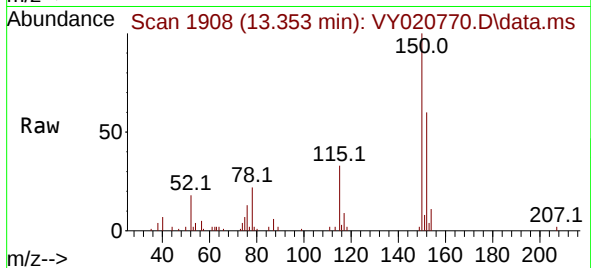
Tgt Ion: 117 Resp: 20406
Ion Ratio Lower Upper
117 100
82 44.6 43.4 65.2
119 30.8 26.6 39.8



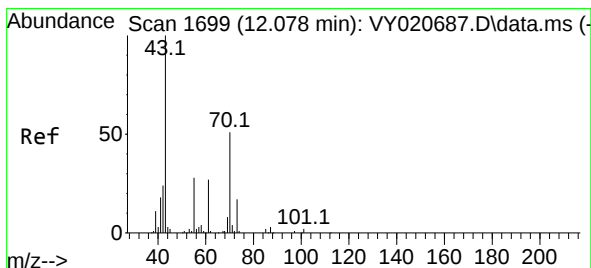
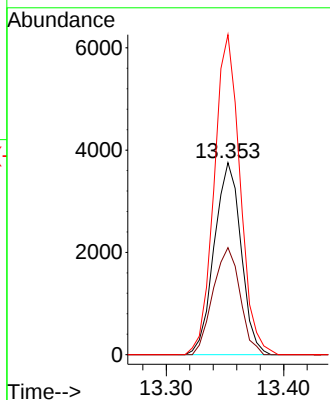
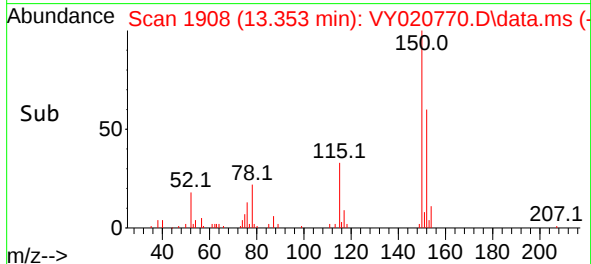


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.001 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

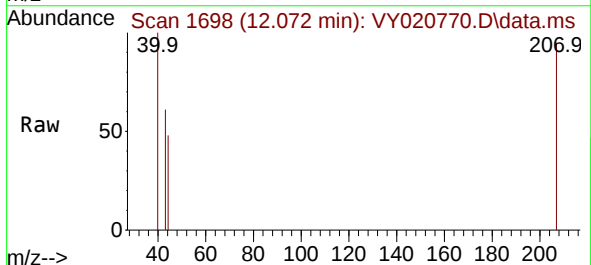
Instrument :
MSVOA_Y
ClientSampleId :



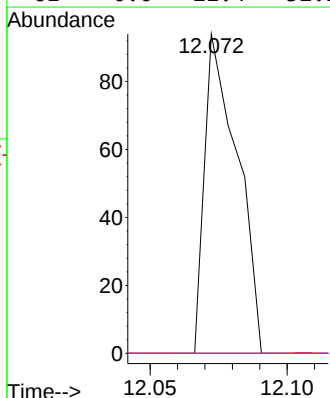
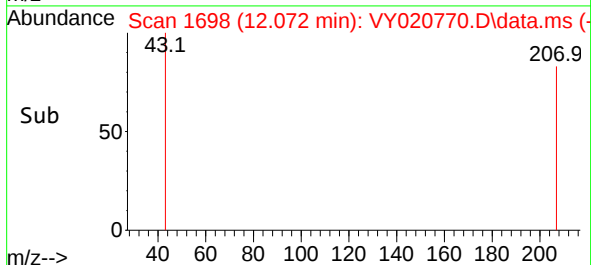
Tgt Ion:152 Resp: 5958
Ion Ratio Lower Upper
152 100
115 56.3 30.3 90.9
150 161.1 0.0 349.0

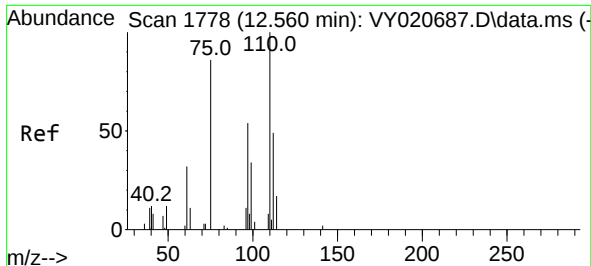


#74
N-ethyl acetate
Concen: 1.330 ug/l
RT: 12.072 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28



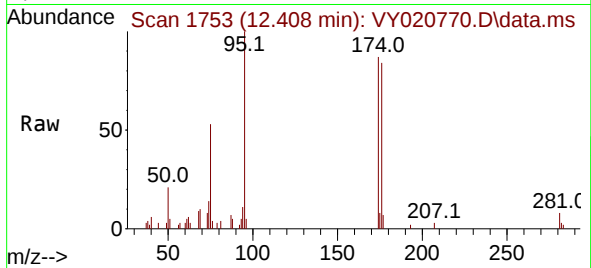
Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
70 0.0 39.7 59.5#
55 0.0 21.5 32.3#
61 0.0 21.4 32.2#



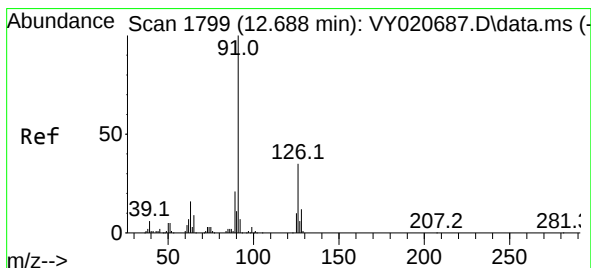
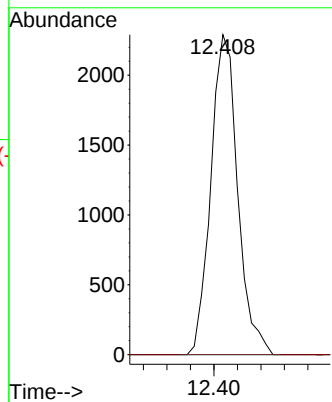
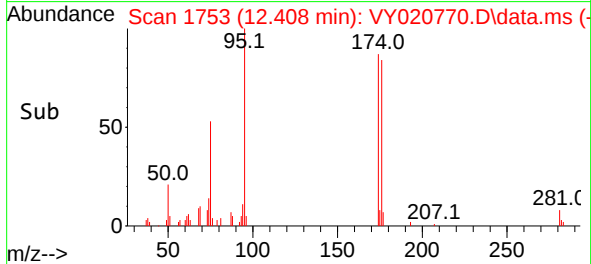


#76
1,2,3-Trichloropropane
Concen: 95.953 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

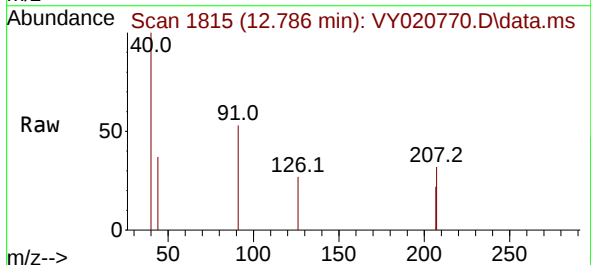
Instrument :
MSVOA_Y
ClientSampleId :



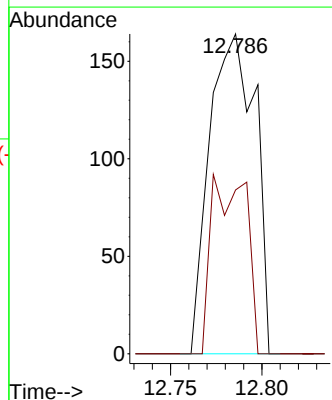
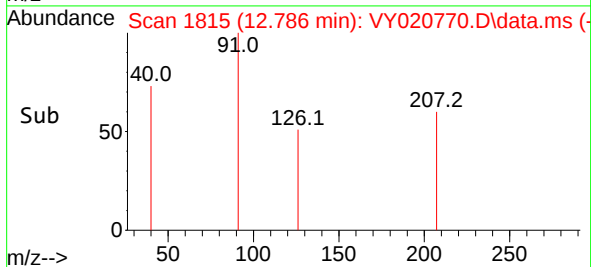
Tgt Ion: 75 Resp: 3636
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

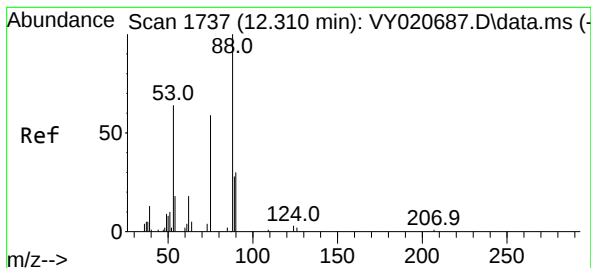


#79
2-Chlorotoluene
Concen: 1.081 ug/l
RT: 12.786 min Scan# 1815
Delta R.T. 0.098 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28



Tgt Ion: 91 Resp: 285
Ion Ratio Lower Upper
91 100
126 43.2 17.8 53.3

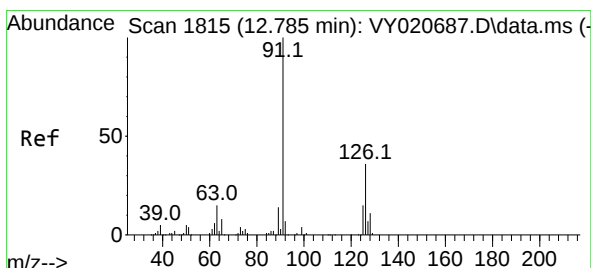
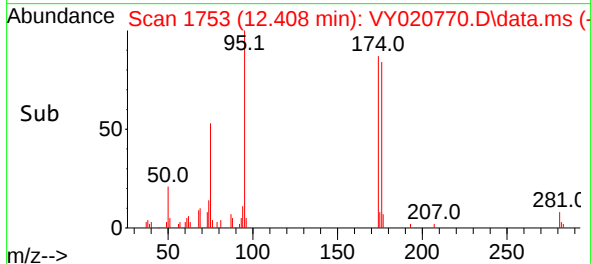
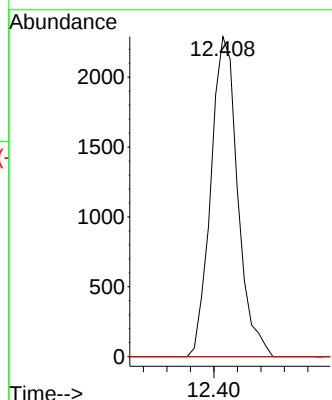
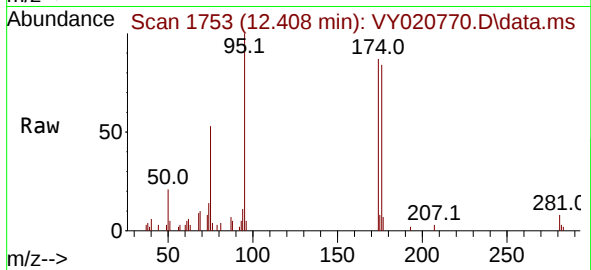




#81
 trans-1,4-Dichloro-2-butene
 Concen: 189.661 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.098 min
 Lab File: VY020770.D
 Acq: 03 Jan 2025 15:28

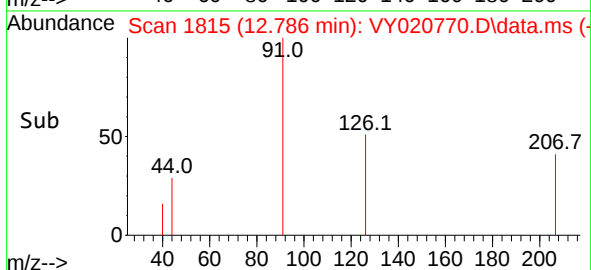
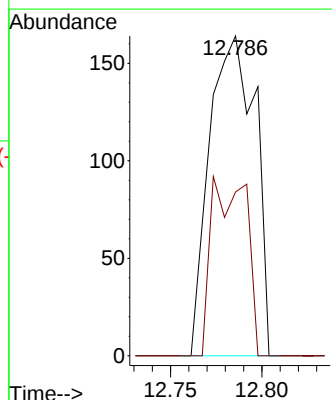
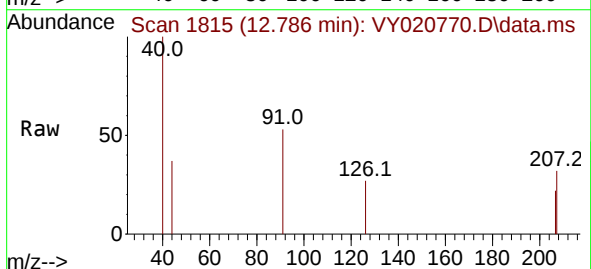
Instrument :
 MSVOA_Y
 ClientSampleId :

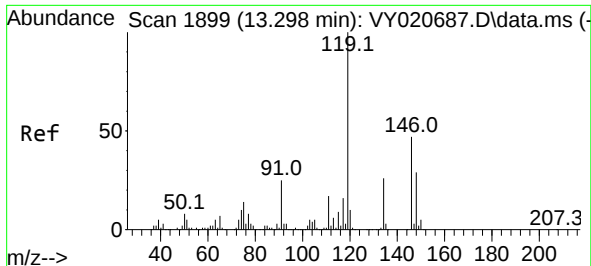
Tgt Ion: 75 Resp: 3636
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.1 124.7#
 89 0.0 40.6 61.0#



#82
 4-Chlorotoluene
 Concen: 1.046 ug/l
 RT: 12.786 min Scan# 1815
 Delta R.T. 0.001 min
 Lab File: VY020770.D
 Acq: 03 Jan 2025 15:28

Tgt Ion: 91 Resp: 285
 Ion Ratio Lower Upper
 91 100
 126 43.2 17.8 53.5

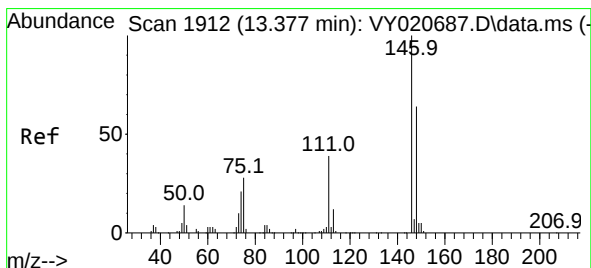
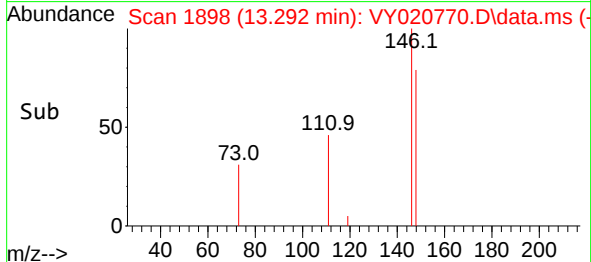
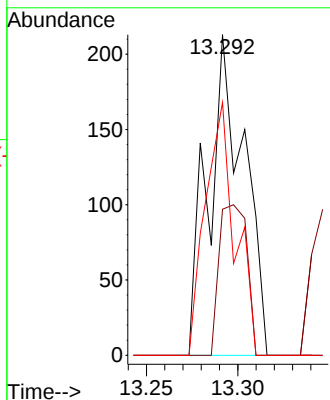
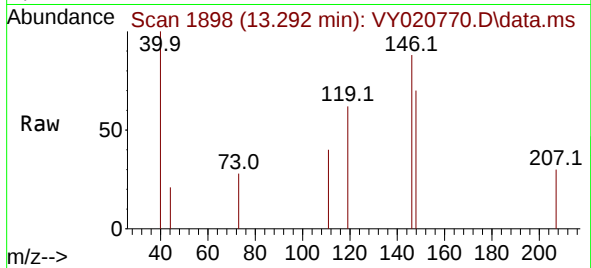




#87
1,3-Dichlorobenzene
Concen: 1.556 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

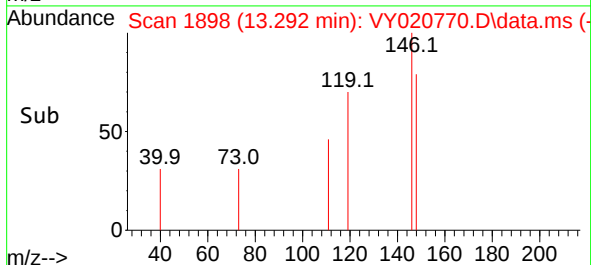
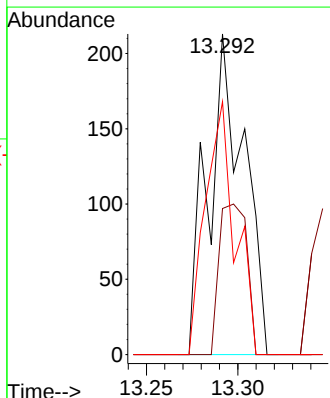
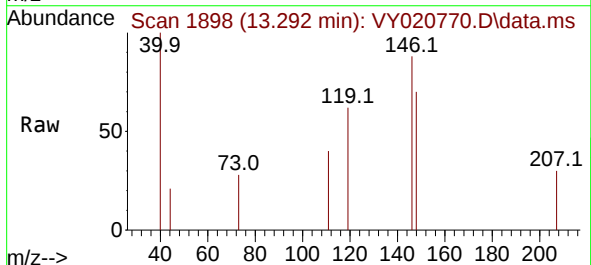
Instrument :
MSVOA_Y
ClientSampleId :

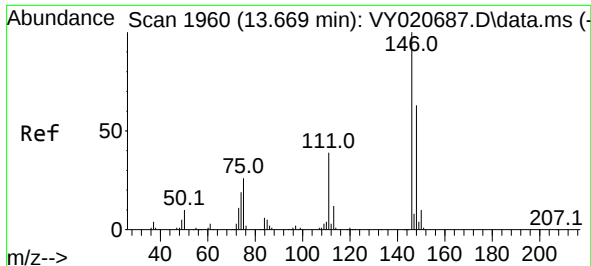
Tgt Ion:146	Resp:	289
Ion	Ratio	Lower Upper
146	100	
111	36.3	19.3 57.8
148	65.7	31.1 93.5



#88
1,4-Dichlorobenzene
Concen: 1.564 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.085 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

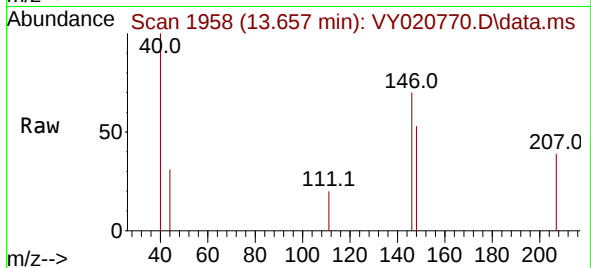
Tgt Ion:146	Resp:	289
Ion	Ratio	Lower Upper
146	100	
111	36.3	19.7 59.0
148	65.7	32.8 98.3



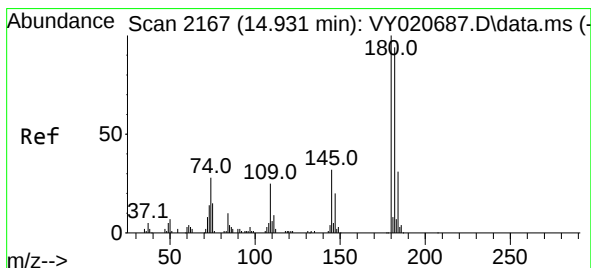
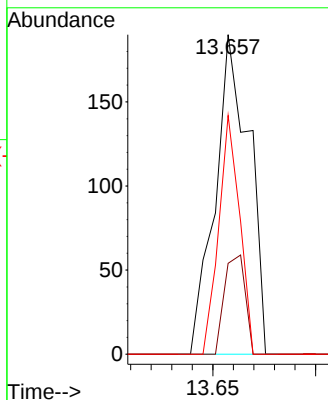
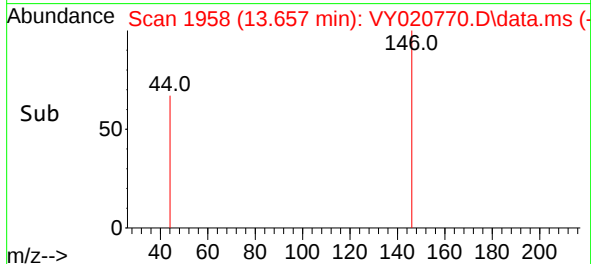


#91
1,2-Dichlorobenzene
Concen: 1.369 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. -0.012 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :

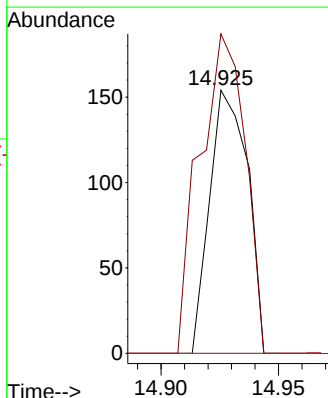
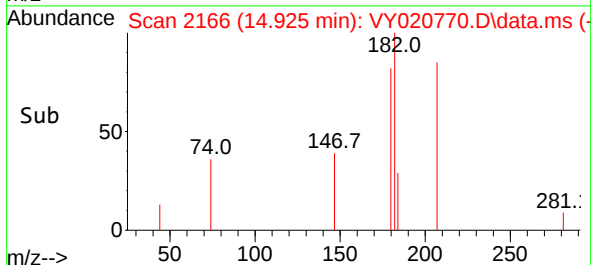
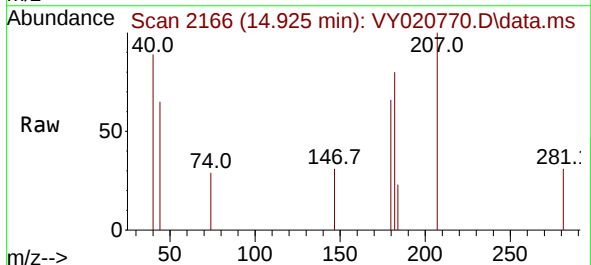


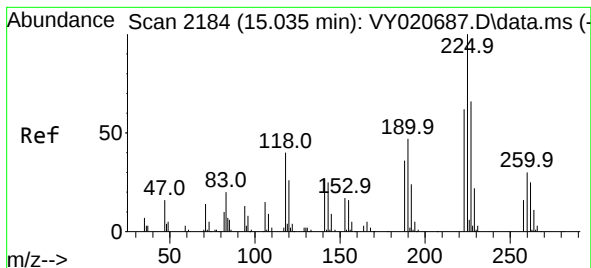
Tgt Ion:146 Resp: 218
Ion Ratio Lower Upper
146 100
111 18.8 20.3 60.8#
148 45.9 31.9 95.5



#93
1,2,4-Trichlorobenzene
Concen: 1.709 ug/l
RT: 14.925 min Scan# 2166
Delta R.T. -0.006 min
Lab File: VY020770.D
Acq: 03 Jan 2025 15:28

Tgt Ion:180 Resp: 173
Ion Ratio Lower Upper
180 100
182 145.7 47.9 143.7#
145 0.0 15.6 46.8#





#94

Hexachlorobutadiene

Concen: 1.789 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. -0.012 min

Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

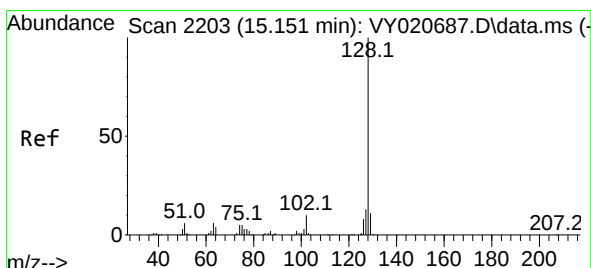
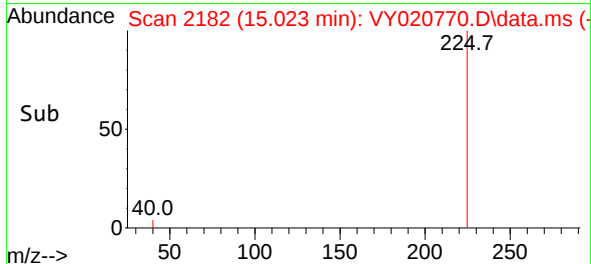
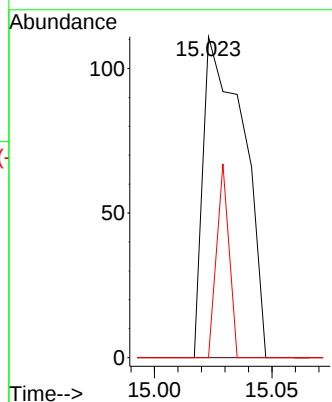
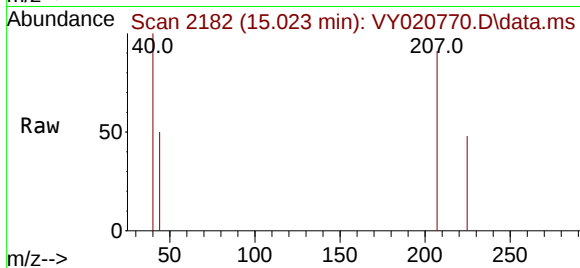
Tgt Ion:225 Resp: 132

Ion Ratio Lower Upper

225 100

223 0.0 31.3 93.8#

227 18.9 32.1 96.5#



#95

Naphthalene

Concen: 3.084 ug/l

RT: 15.145 min Scan# 2202

Delta R.T. -0.006 min

Lab File: VY020770.D

Acq: 03 Jan 2025 15:28

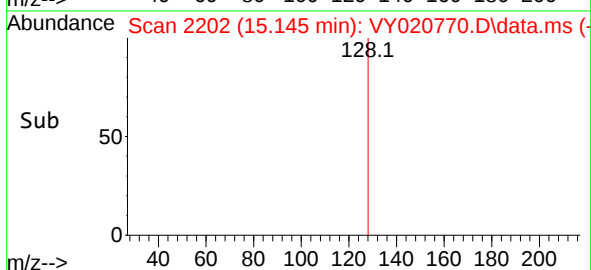
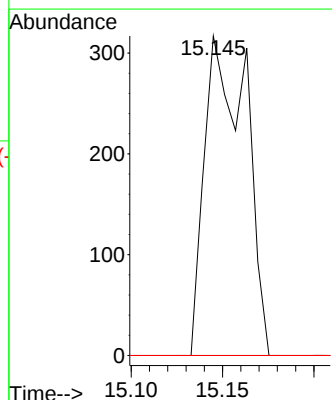
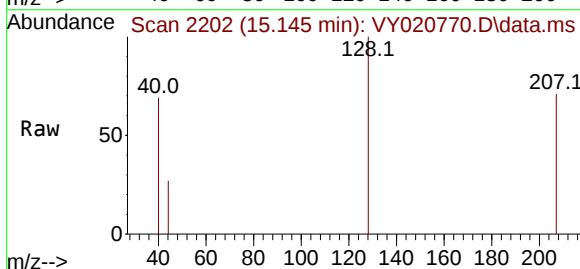
Tgt Ion:128 Resp: 500

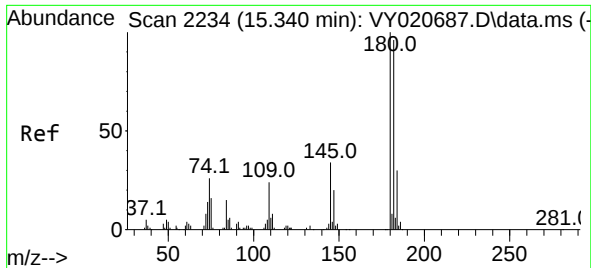
Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

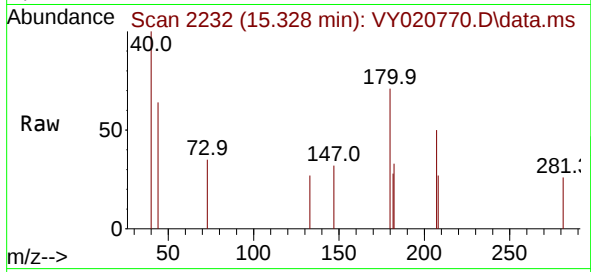
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.361 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VY020770.D
 Acq: 03 Jan 2025 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 199
 Ion Ratio Lower Upper
 180 100
 182 102.5 47.4 142.2
 145 0.0 16.7 50.1#

