

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022725\
 Data File : VY021366.D
 Acq On : 27 Feb 2025 18:19
 Operator : SY/MD
 Sample : Q1448-01
 Misc : 6.54g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 28 00:44:02 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)

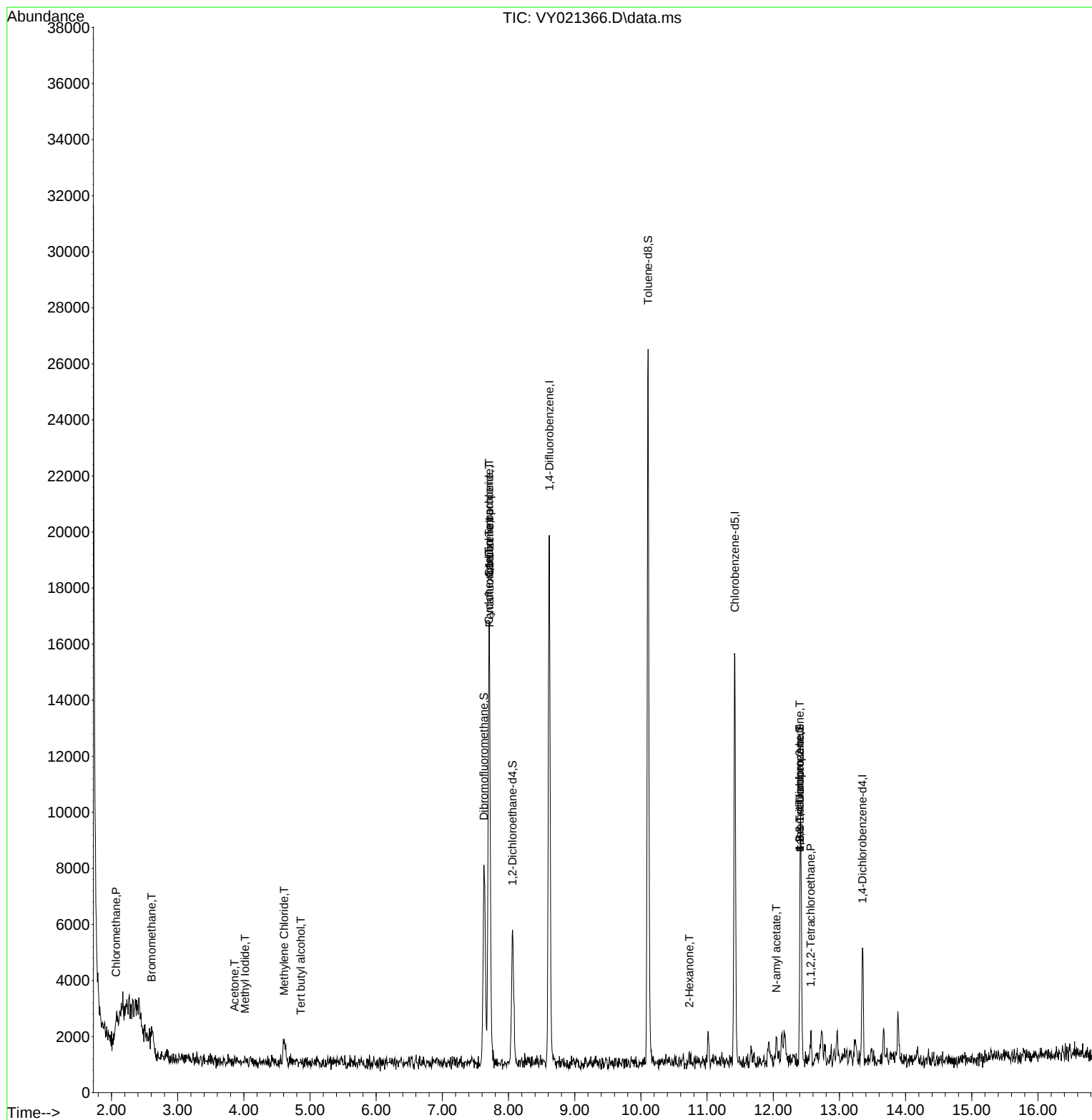
Internal Standards						
1) Pentafluorobenzene	7.713	168	12088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	15555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	8208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4321	31.511	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	63.020%		
35) Dibromofluoromethane	7.628	113	5243	51.412	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.820%		
50) Toluene-d8	10.109	98	16312	41.388	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	82.780%		
62) 4-Bromofluorobenzene	12.402	95	2148	16.194	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	32.380%		
Target Compounds						Qvalue
3) Chloromethane	2.068	50	212	1.432	ug/l #	75
5) Bromomethane	2.604	94	175	1.813	ug/l	83
10) Methyl Iodide	4.019	142	198	1.482	ug/l #	36
11) Tert butyl alcohol	4.860	59	21	1.991	ug/l #	72
16) Acetone	3.860	43	124	4.714	ug/l #	45
20) Methylene Chloride	4.610	84	567	3.986	ug/l #	77
31) Cyclohexane	7.701	56	310	1.282	ug/l #	13
36) 1,1-Dichloropropene	7.707	75	1075	7.018	ug/l #	42
38) Carbon Tetrachloride	7.707	117	1305	7.578	ug/l #	12
59) 2-Hexanone	10.731	43	131	2.642	ug/l #	26
74) N-amyl acetate	12.048	43	235	10.274	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.566	83	20	1.259	ug/l #	26
76) 1,2,3-Trichloropropane	12.402	75	1119	93.395	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	1119	207.584	ug/l #	10

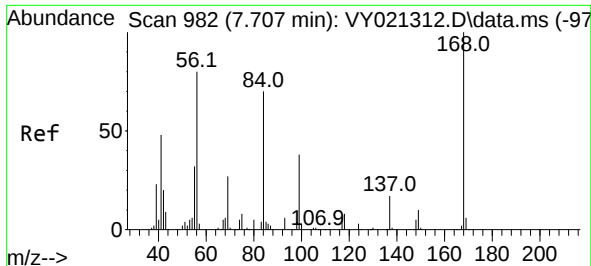
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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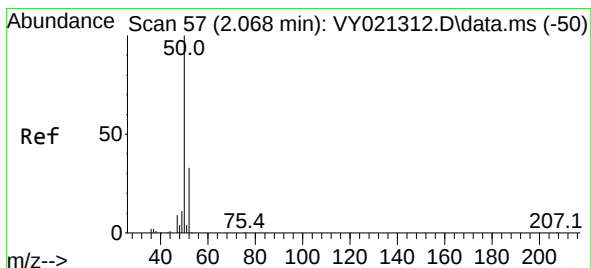
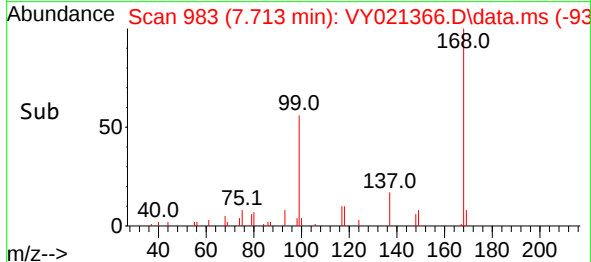
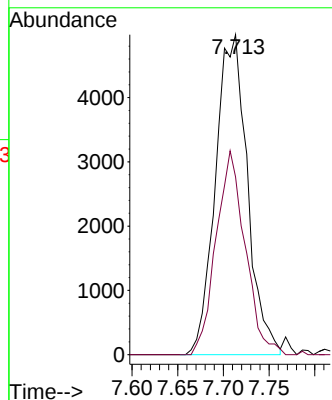
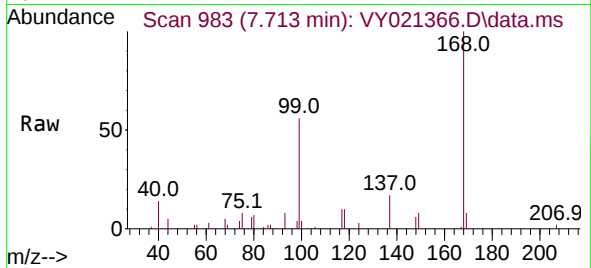




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

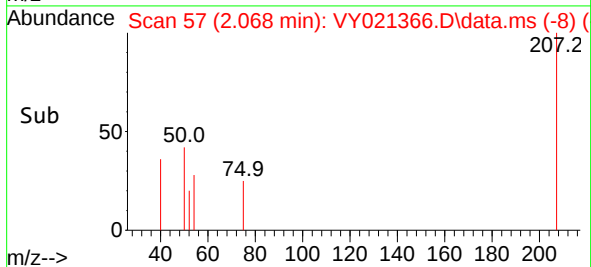
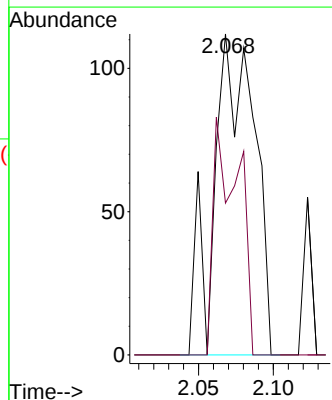
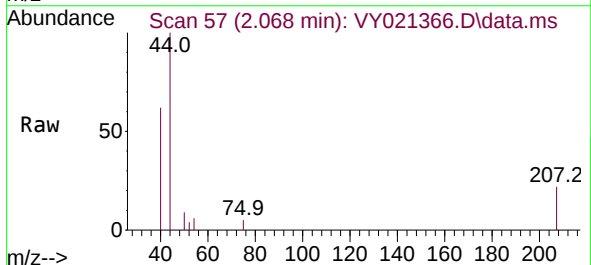
Instrument :
MSVOA_Y
ClientSampleId :

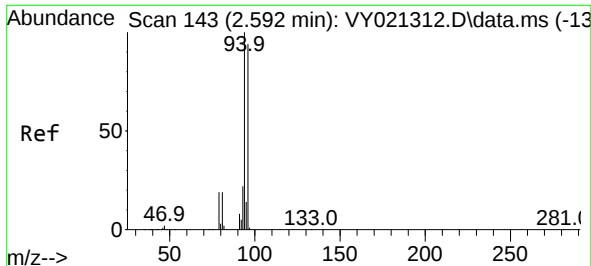
Tgt Ion:168 Resp: 12088
Ion Ratio Lower Upper
168 100
99 55.5 47.1 70.7



#3
Chloromethane
Concen: 1.432 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.000 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 47.3 26.6 40.0#

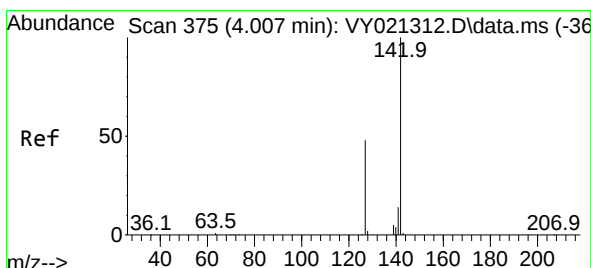
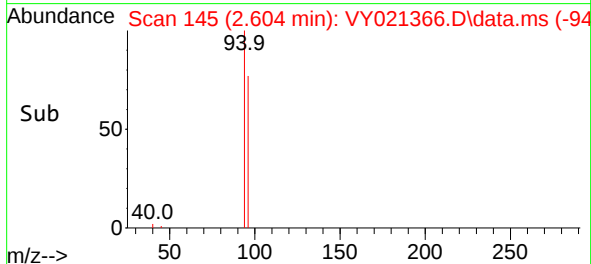
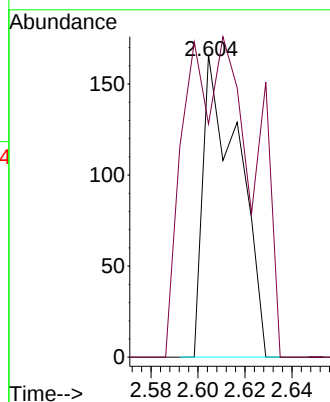
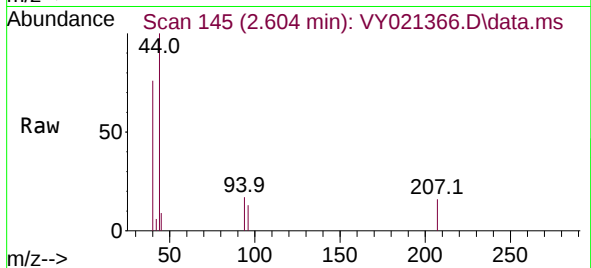




#5
Bromomethane
Concen: 1.813 ug/l
RT: 2.604 min Scan# 143
Delta R.T. 0.012 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

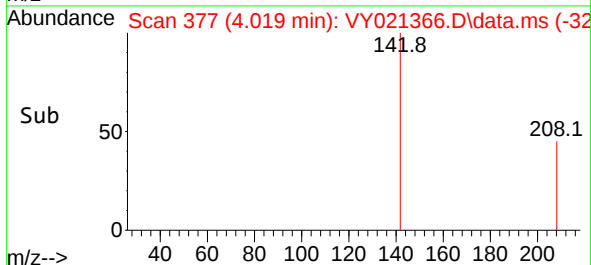
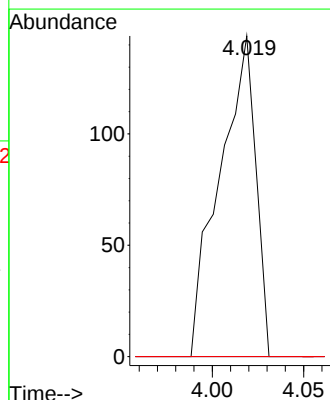
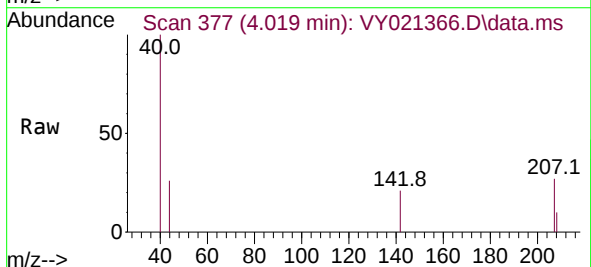
Instrument :
MSVOA_Y
ClientSampleId :

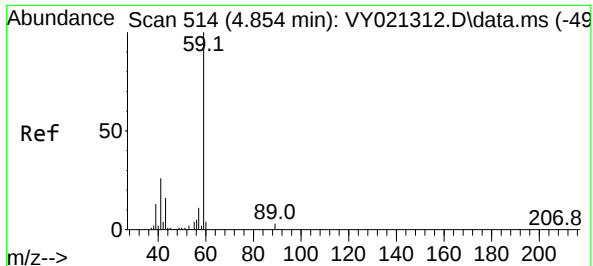
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 77.1 75.2 112.8



#10
Methyl Iodide
Concen: 1.482 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion:142 Resp: 198
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 1.991 ug/l

RT: 4.860 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

Instrument :

MSVOA_Y

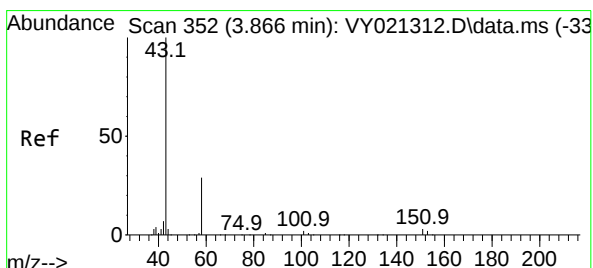
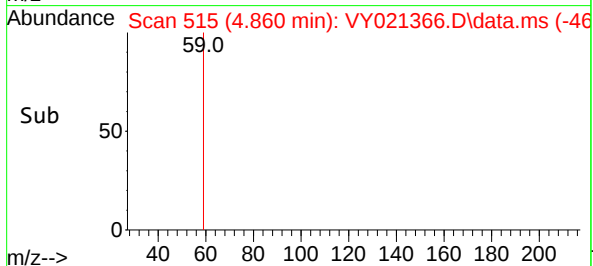
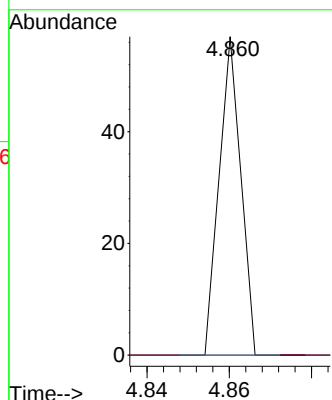
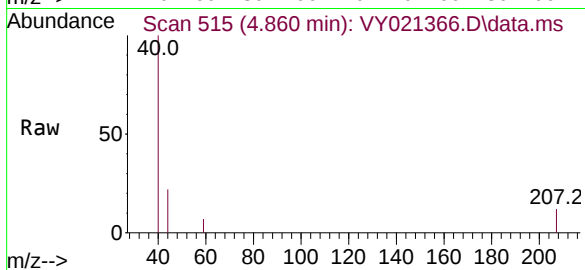
ClientSampleId :

Tgt Ion: 59 Resp: 21

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 4.714 ug/l

RT: 3.860 min Scan# 351

Delta R.T. -0.006 min

Lab File: VY021366.D

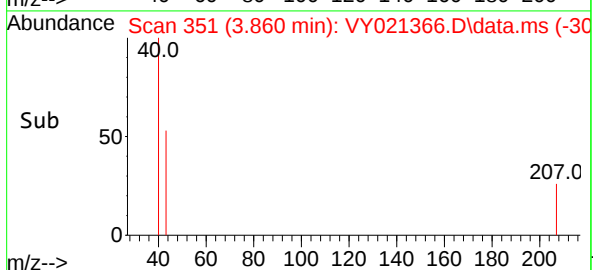
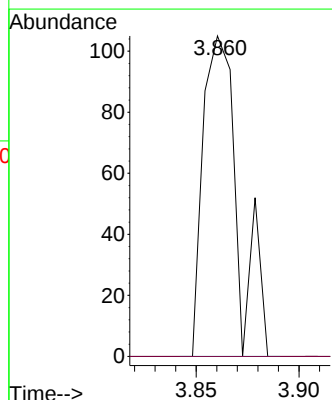
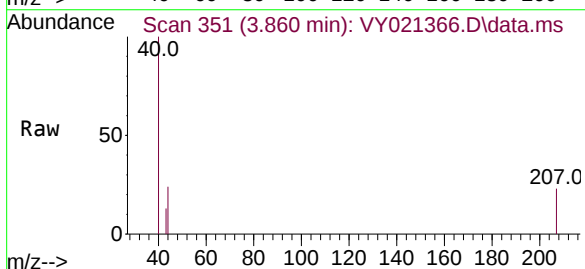
Acq: 27 Feb 2025 18:19

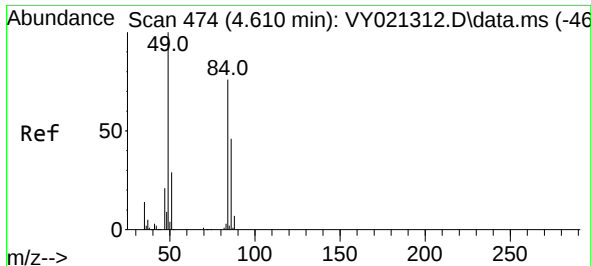
Tgt Ion: 43 Resp: 124

Ion Ratio Lower Upper

43 100

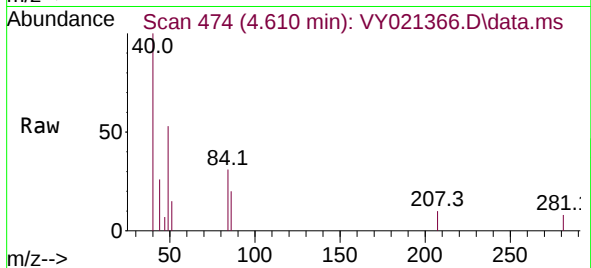
58 0.0 23.5 35.3#



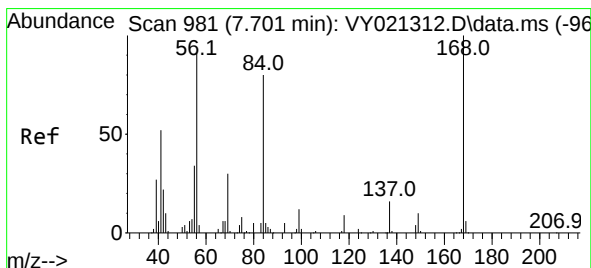
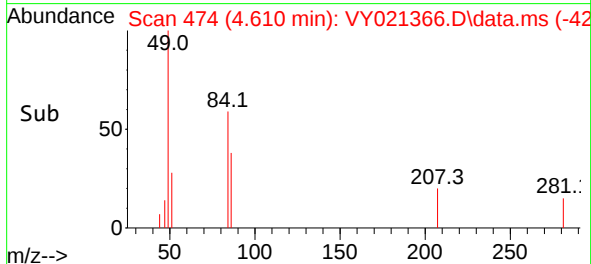
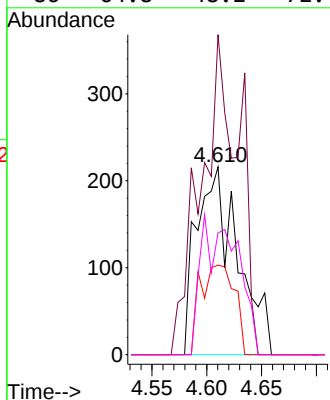


#20
Methylene Chloride
Concen: 3.986 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :

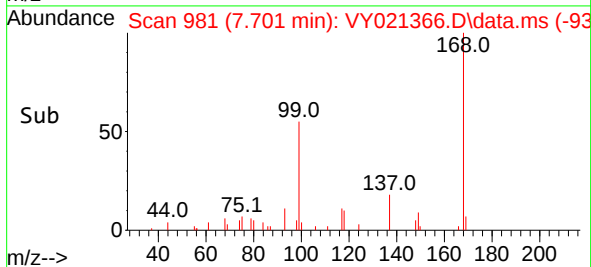
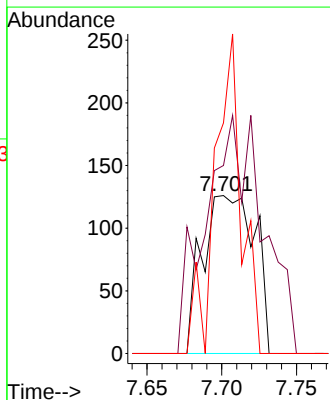
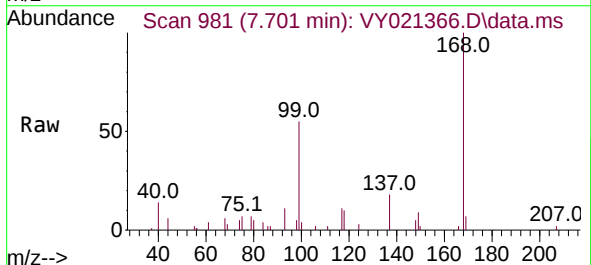


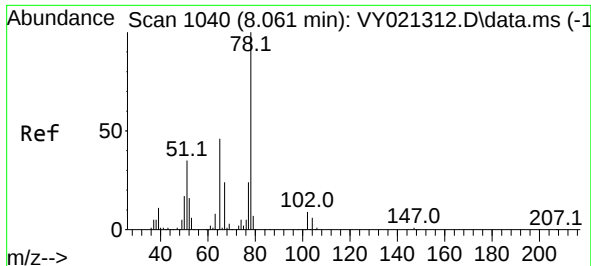
Tgt Ion:	84	Resp:	567
Ion	Ratio	Lower	Upper
84	100		
49	170.4	105.1	157.7#
51	47.7	31.0	46.4#
86	64.8	48.2	72.4



#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion:	56	Resp:	310
Ion	Ratio	Lower	Upper
56	100		
69	119.0	26.2	39.4#
84	146.0	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 31.511 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

Instrument :

MSVOA_Y

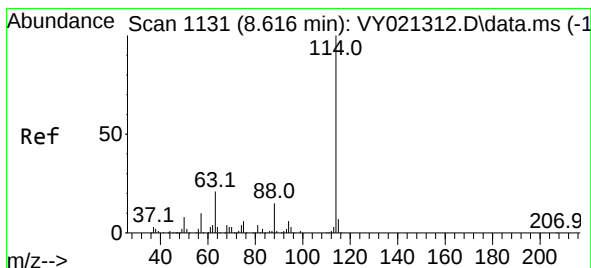
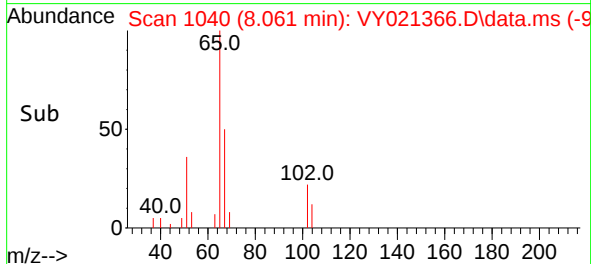
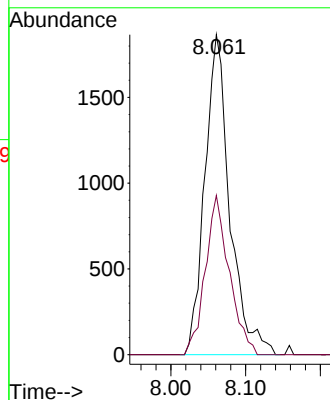
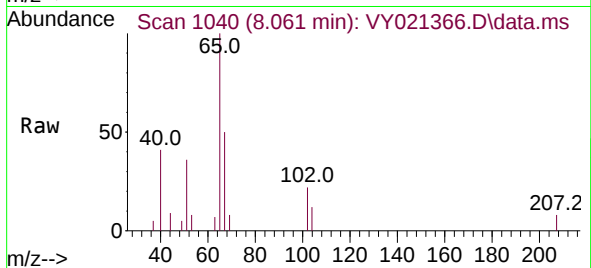
ClientSampleId :

Tgt Ion: 65 Resp: 4321

Ion Ratio Lower Upper

65 100

67 47.8 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: VY021366.D

Acq: 27 Feb 2025 18:19

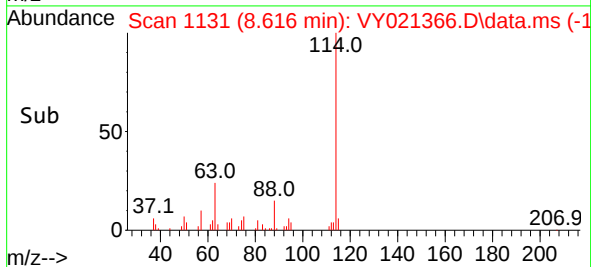
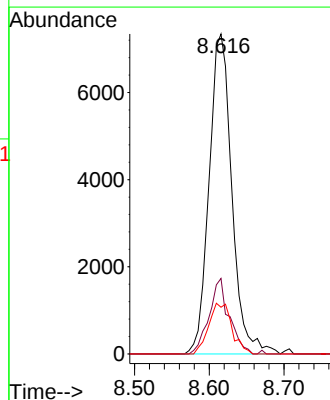
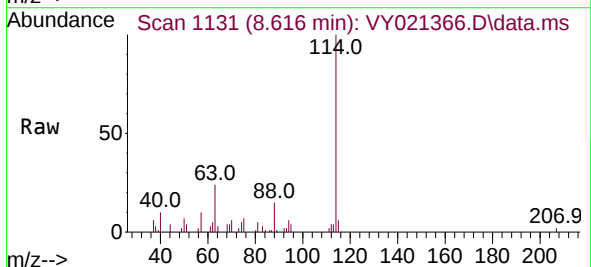
Tgt Ion: 114 Resp: 15555

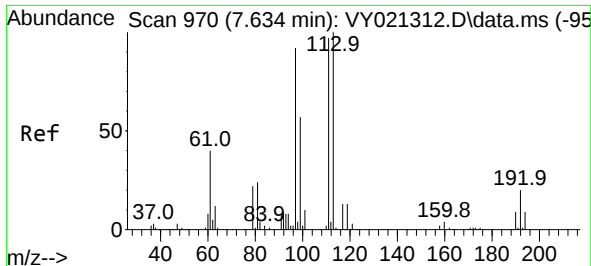
Ion Ratio Lower Upper

114 100

63 23.6 0.0 42.2

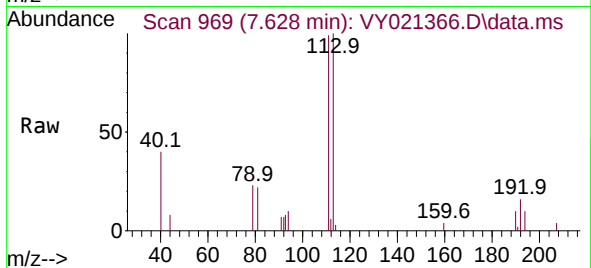
88 14.6 0.0 29.8



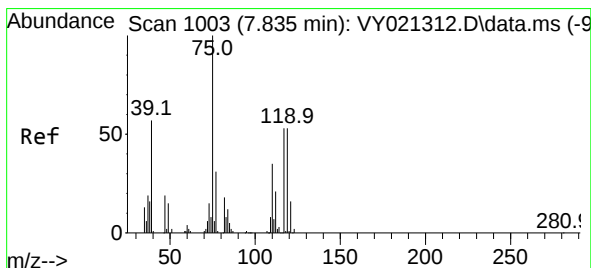
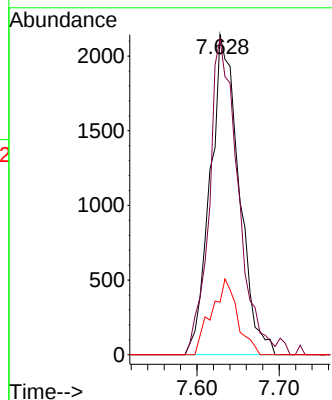
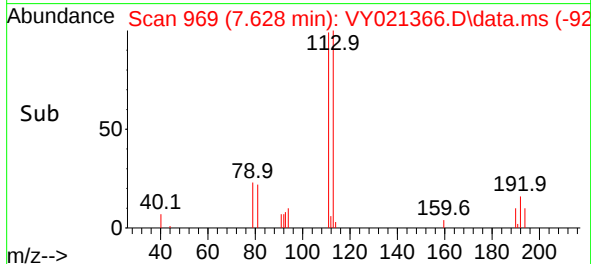


#35
Dibromofluoromethane
Concen: 51.412 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

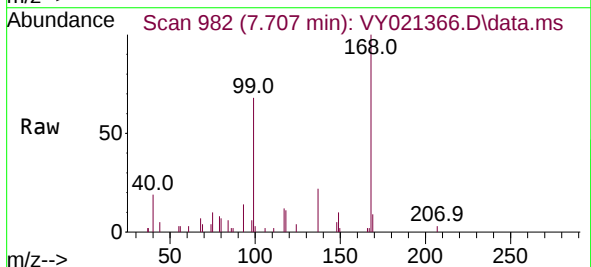
Instrument :
MSVOA_Y
ClientSampleId :



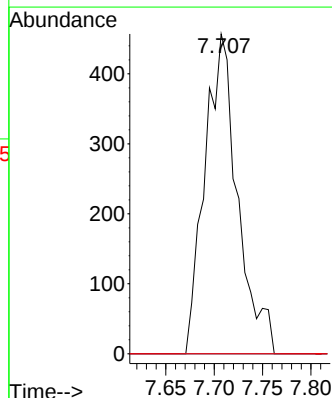
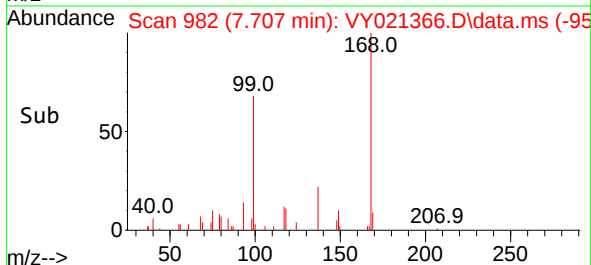
Tgt Ion:113 Resp: 5243
Ion Ratio Lower Upper
113 100
111 98.2 81.0 121.6
192 21.2 15.8 23.8

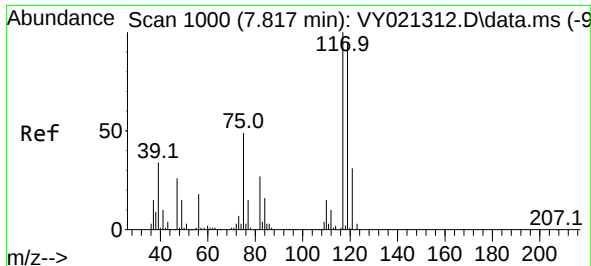


#36
1,1-Dichloropropene
Concen: 7.018 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19



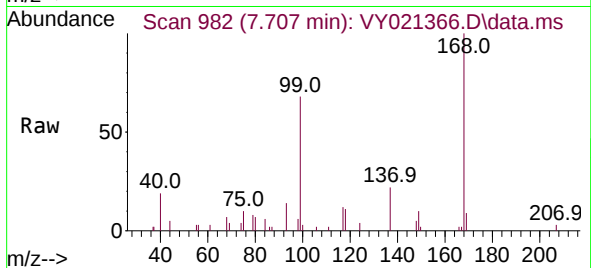
Tgt Ion: 75 Resp: 1075
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 24.6 36.8#



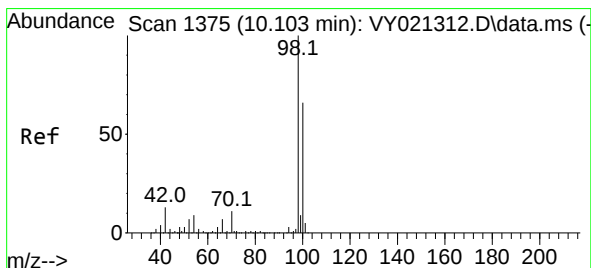
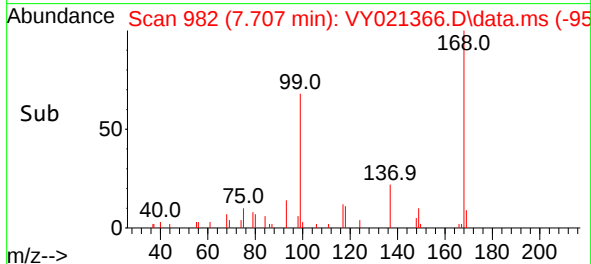
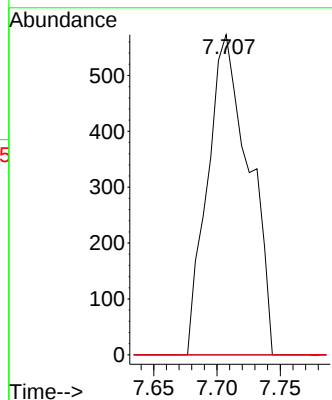


#38
Carbon Tetrachloride
Concen: 7.578 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :

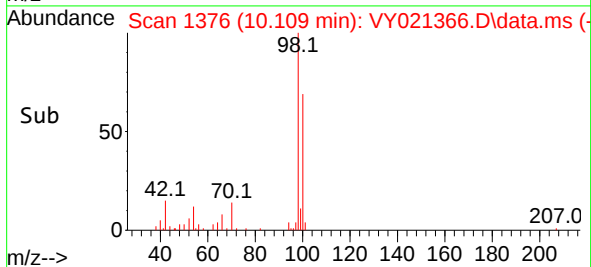
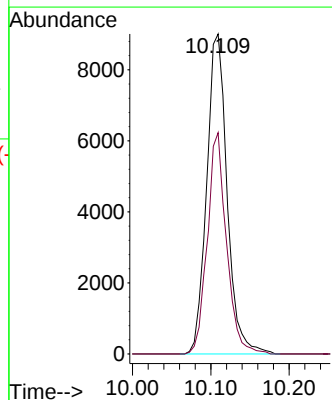
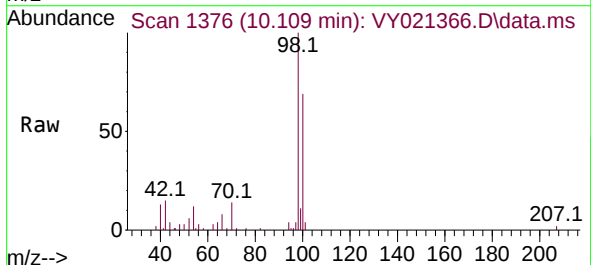


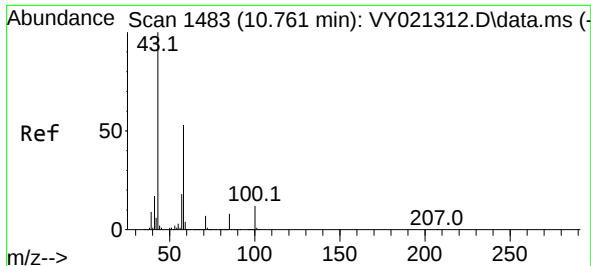
Tgt Ion:117 Resp: 1305
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 41.388 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion: 98 Resp: 16312
Ion Ratio Lower Upper
98 100
100 64.9 52.4 78.6

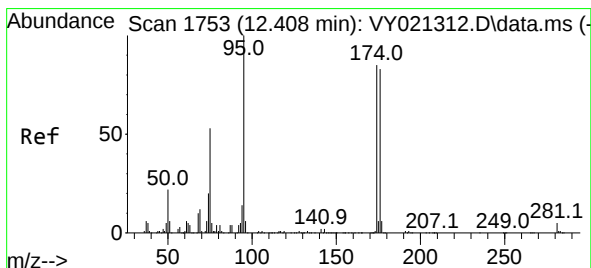
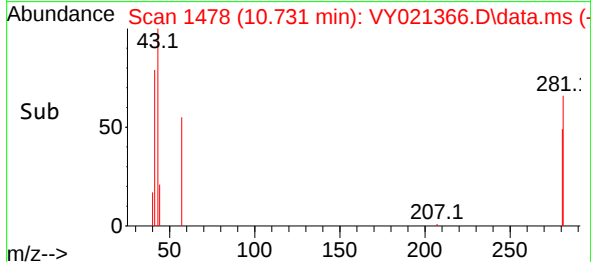
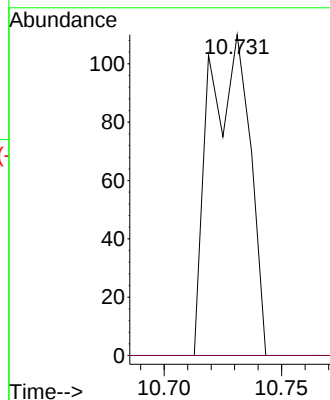
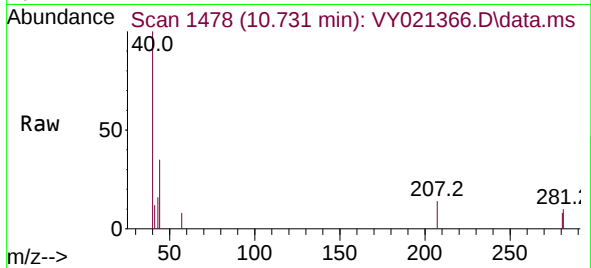




#59
2-Hexanone
Concen: 2.642 ug/l
RT: 10.731 min Scan# 1483
Delta R.T. -0.030 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

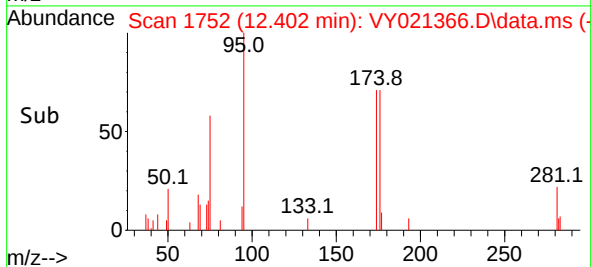
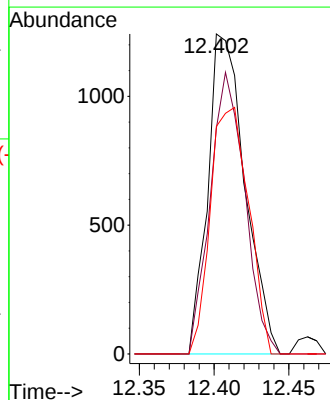
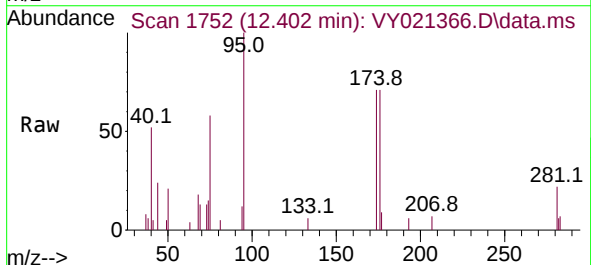
Instrument :
MSVOA_Y
ClientSampleId :

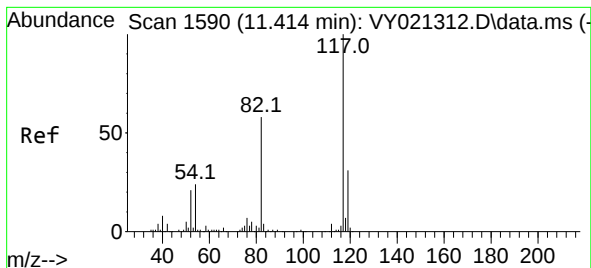
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.6#



#62
4-Bromofluorobenzene
Concen: 16.194 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion: 95 Resp: 2148
Ion Ratio Lower Upper
95 100
174 82.1 0.0 168.0
176 79.2 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021366.D

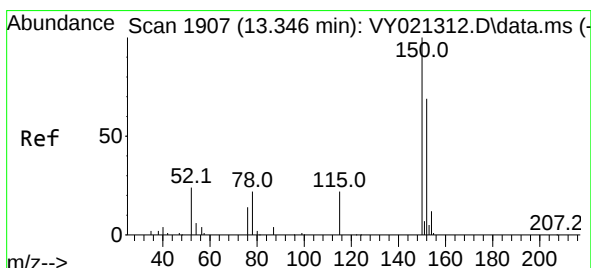
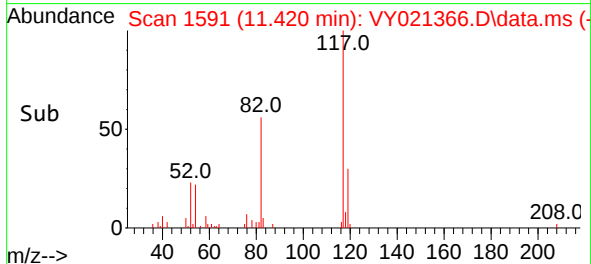
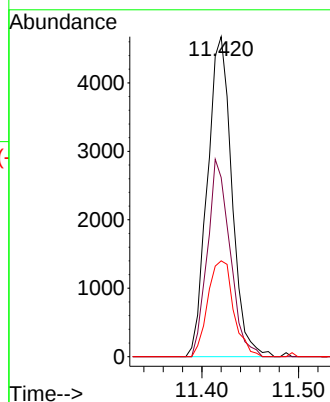
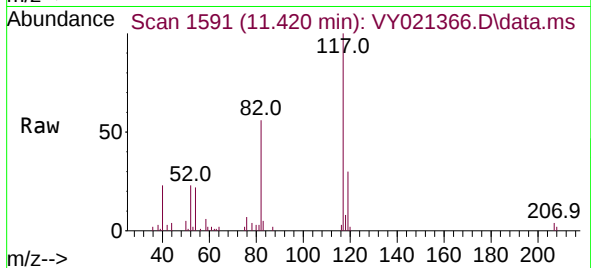
Acq: 27 Feb 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	8208
Ion	Ratio	Lower Upper
117	100	
82	56.0	46.2 69.4
119	29.9	24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

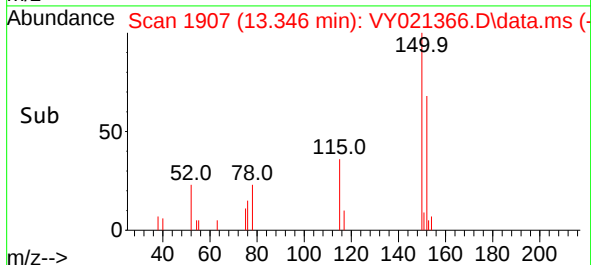
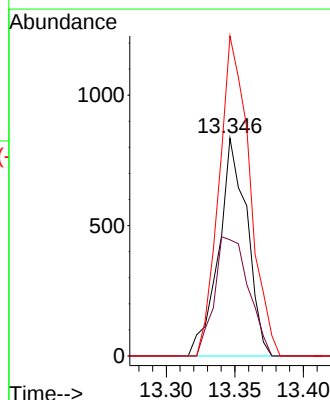
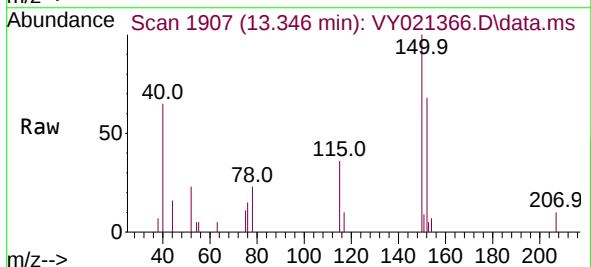
RT: 13.346 min Scan# 1907

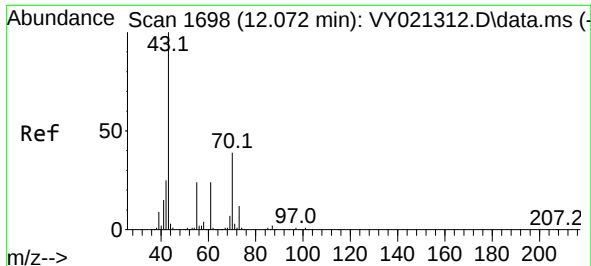
Delta R.T. 0.000 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

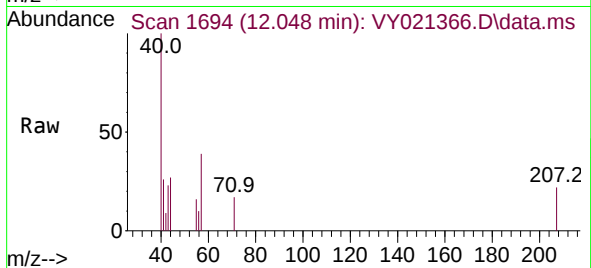
Tgt Ion:152	Resp:	1197
Ion	Ratio	Lower Upper
152	100	
115	65.9	29.3 88.0
150	158.9	0.0 347.4



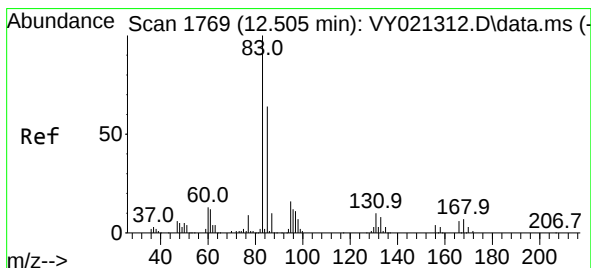
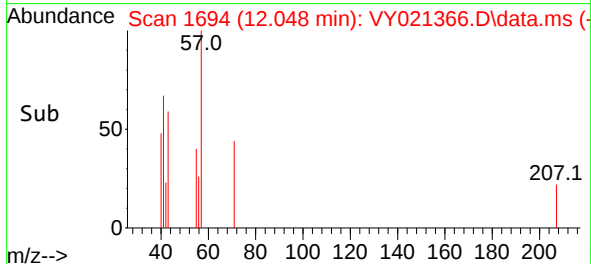
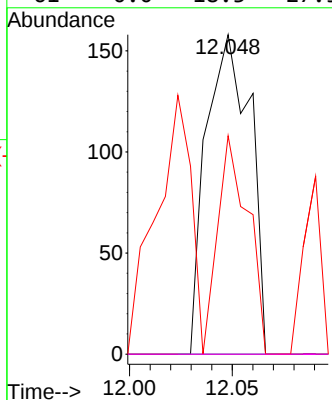


#74
N-amy1 acetate
Concen: 10.274 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :

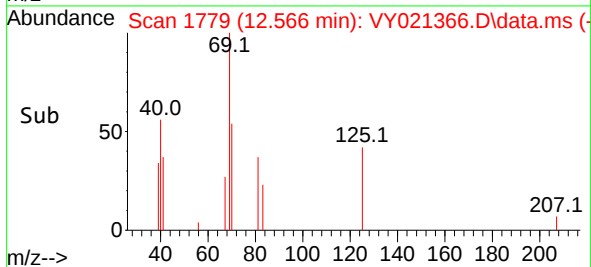
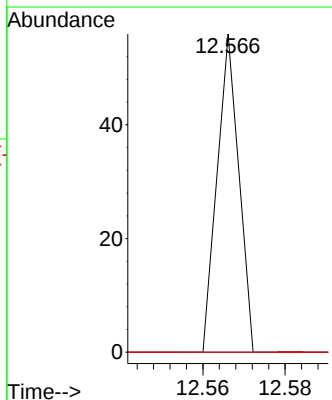
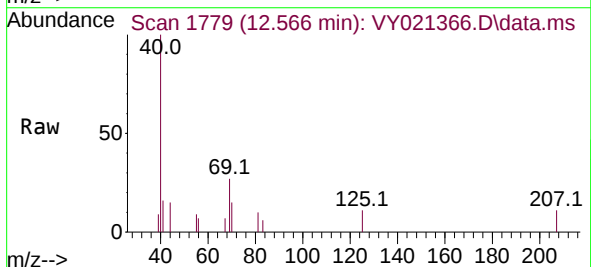


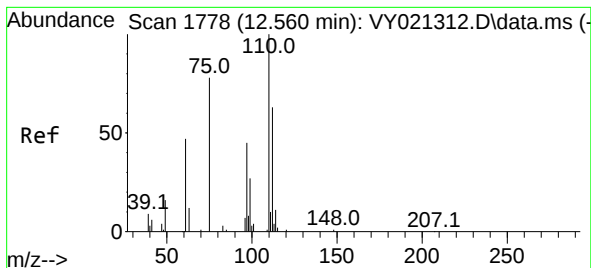
Tgt Ion:	43	Resp:	235
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	47.2	19.6	29.4#
61	0.0	18.3	27.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.259 ug/l
RT: 12.566 min Scan# 1779
Delta R.T. 0.061 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Tgt Ion:	83	Resp:	20
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.2	15.6#
85	0.0	32.0	96.0#

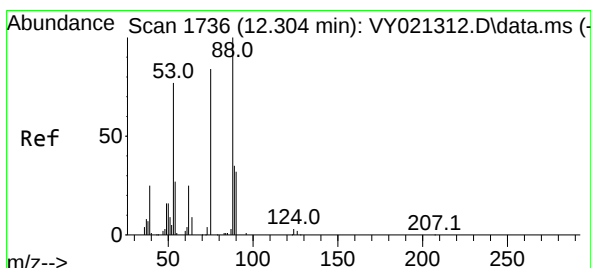
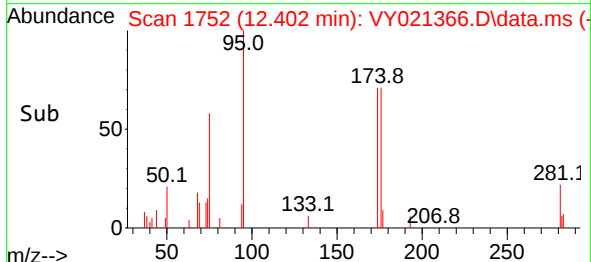
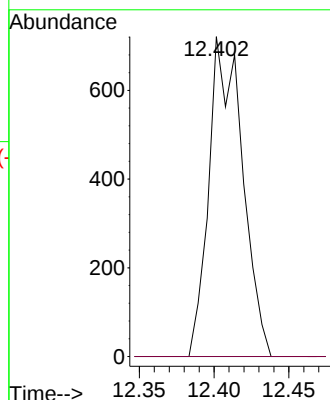
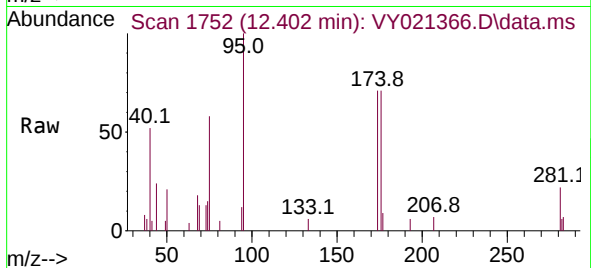




#76
 1,2,3-Trichloropropane
 Concen: 93.395 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY021366.D
 Acq: 27 Feb 2025 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 1119
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 207.584 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY021366.D
 Acq: 27 Feb 2025 18:19

Tgt Ion: 75 Resp: 1119
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 35.6 53.4#

