

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 :
 PSP1

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)

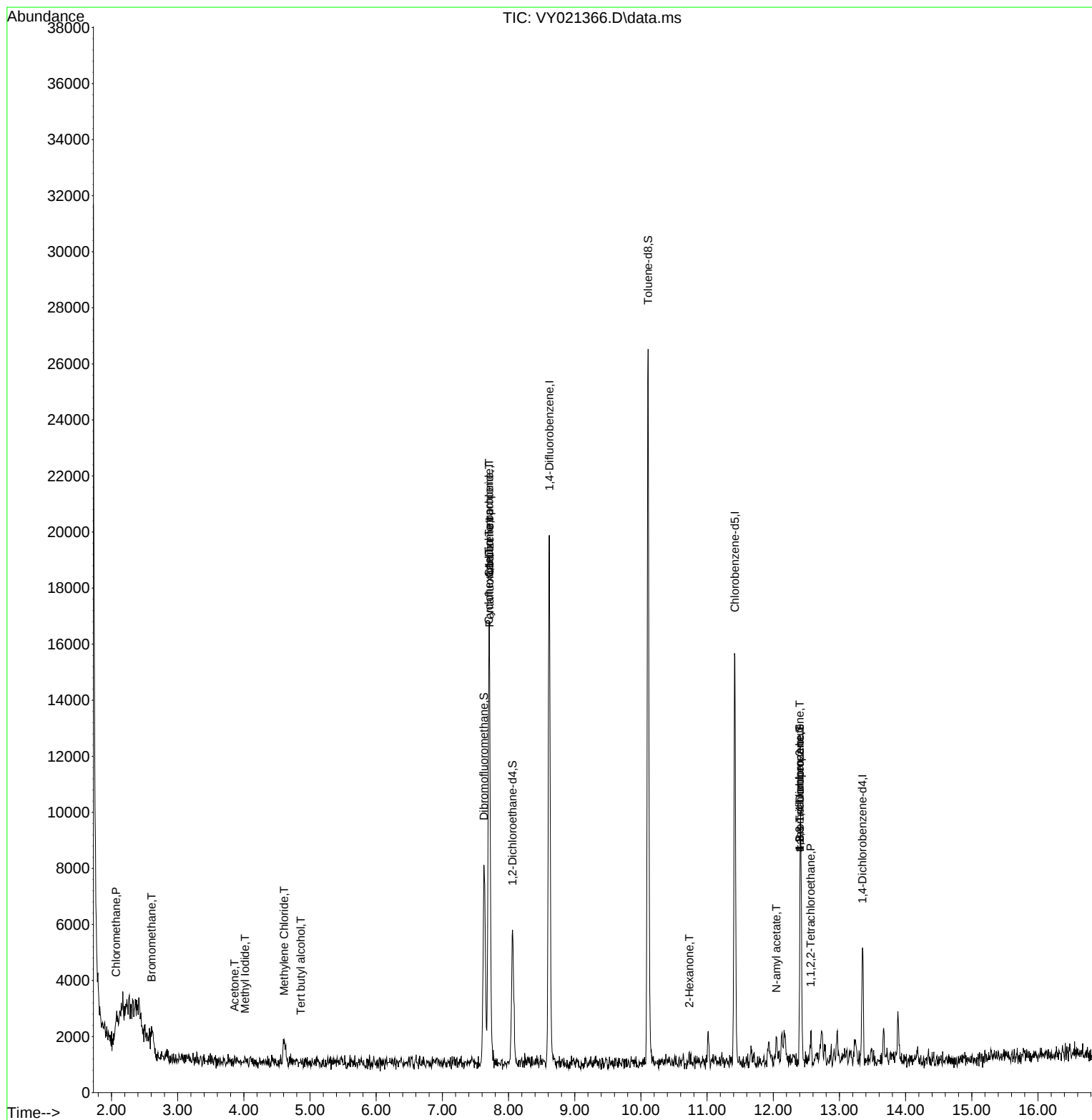
Internal Standards						
1) Pentafluorobenzene	7.713	168	12088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	15555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	8208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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

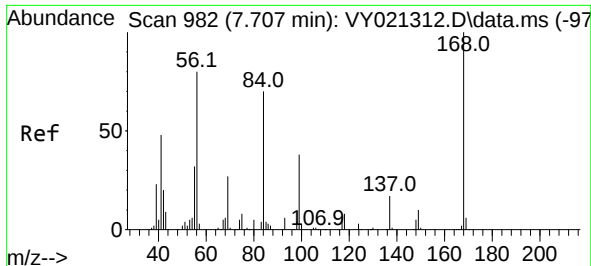
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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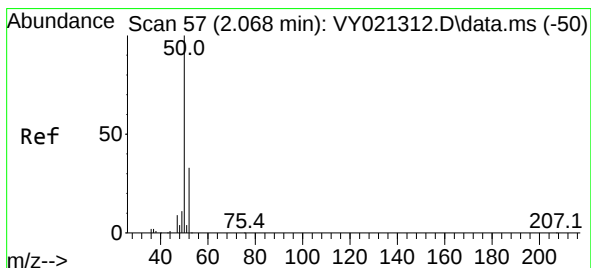
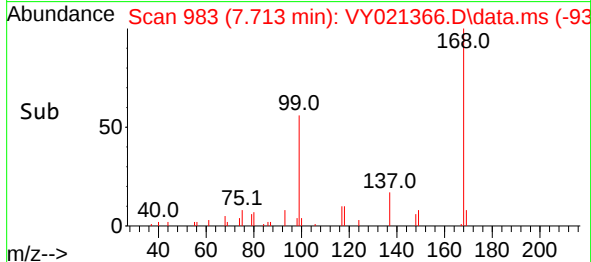
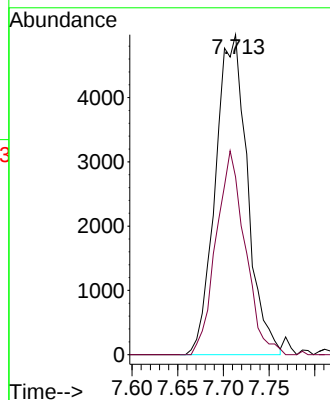
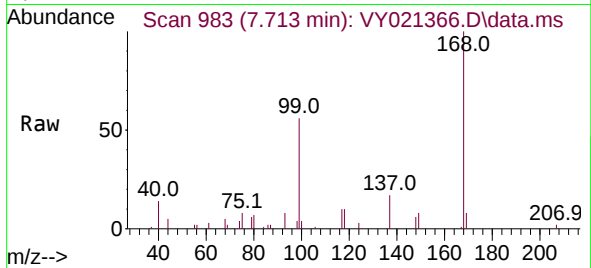




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

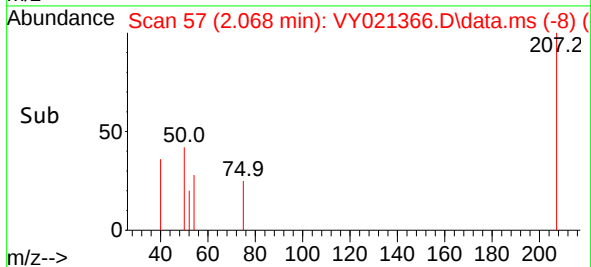
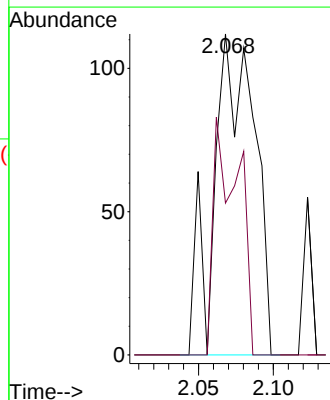
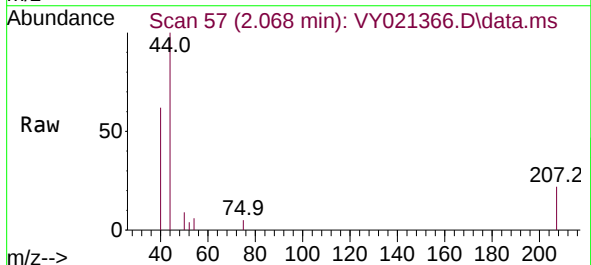
Instrument :
MSVOA_Y
ClientSampleId :
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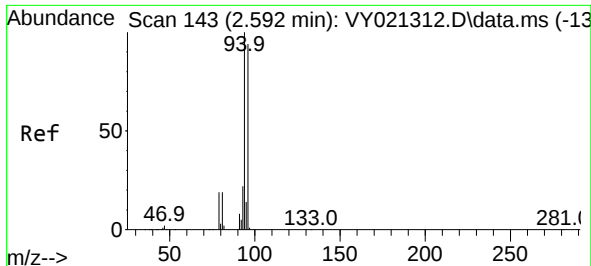
Tgt Ion:168 Resp: 12088
Ion Ratio Lower Upper
168 100
99 55.5 47.1 70.7



#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#

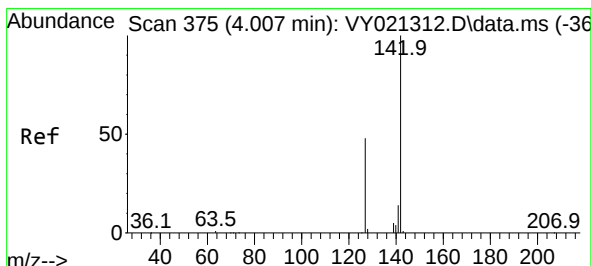
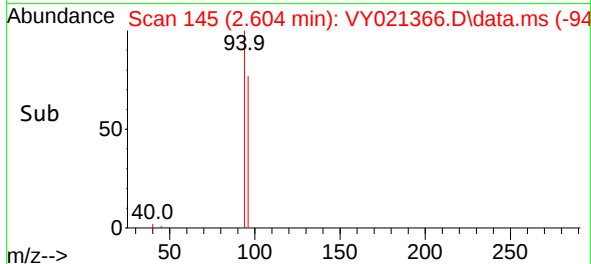
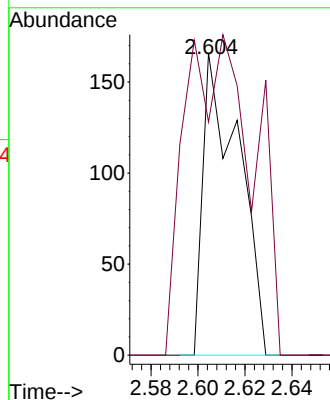
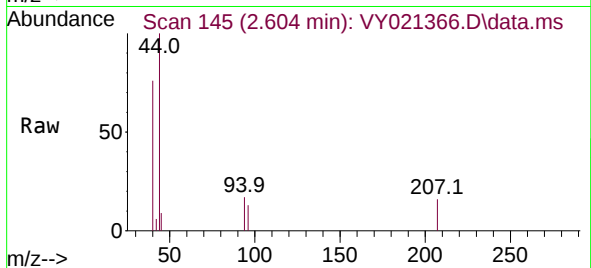




#5
Bromomethane
Concen: 1.813 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

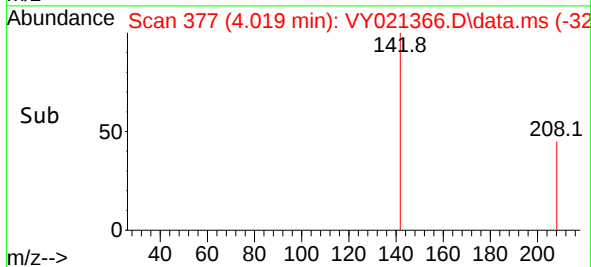
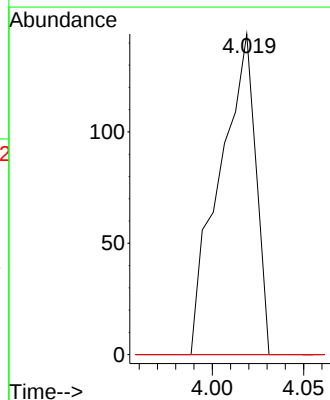
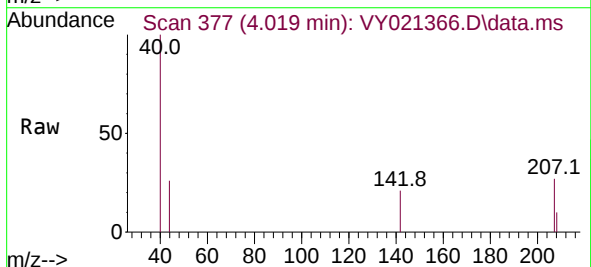
Instrument :
MSVOA_Y
ClientSampleId :
PSP1

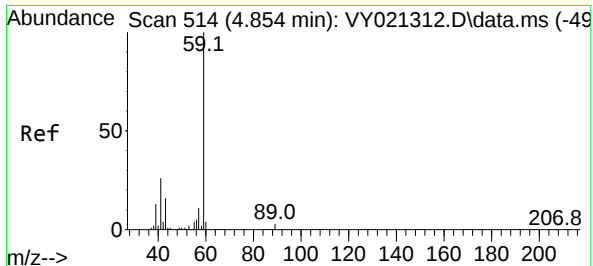
Tgt Ion: 94 Resp: 175
Ion Ratio Lower Upper
94 100
96 77.1 75.2 112.8



#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#

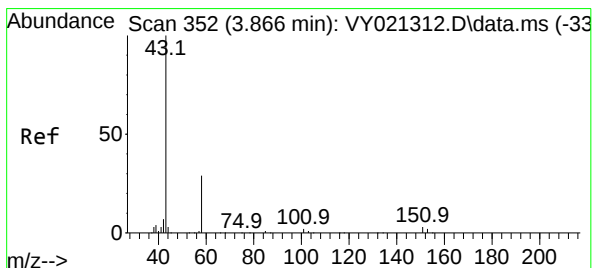
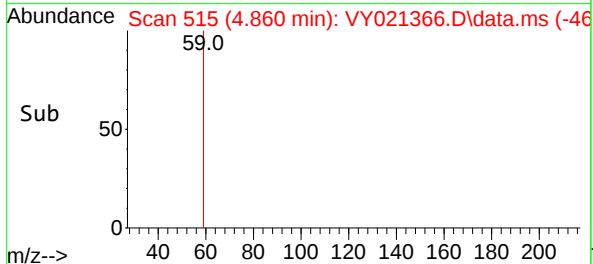
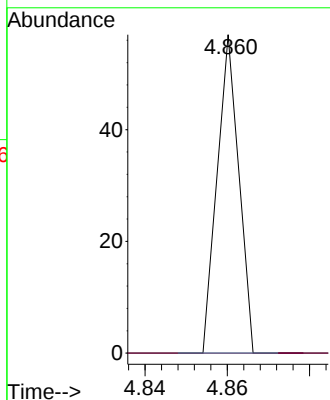
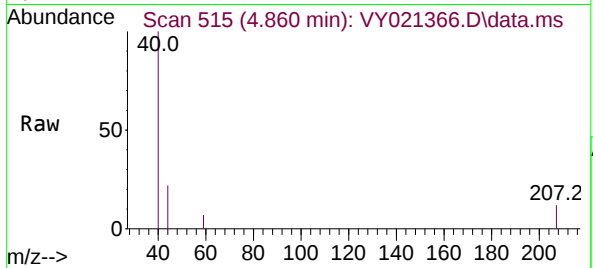




#11
Tert butyl alcohol
Concen: 1.991 ug/l
RT: 4.860 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

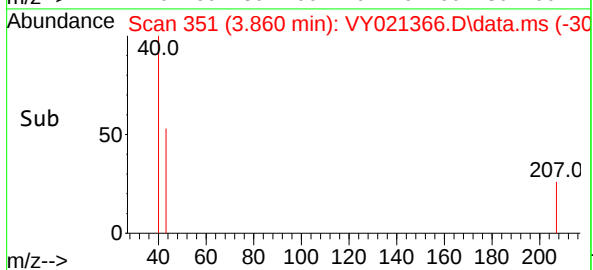
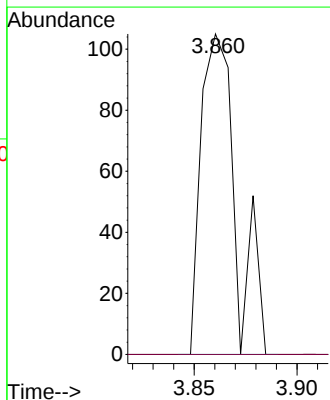
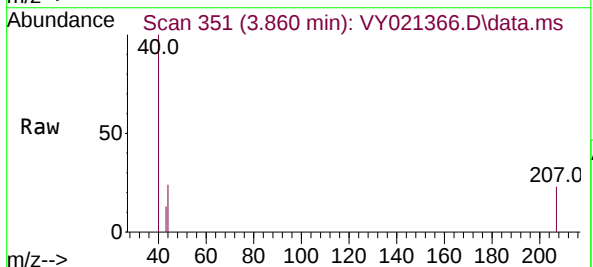
Instrument :
MSVOA_Y
ClientSampleId :
PSP1

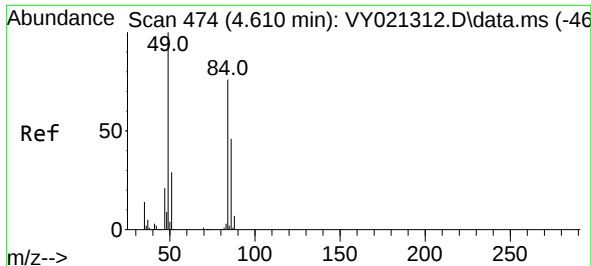
Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#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#

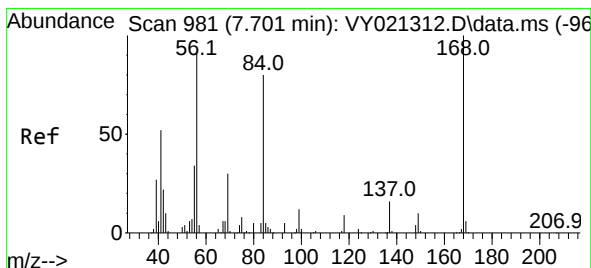
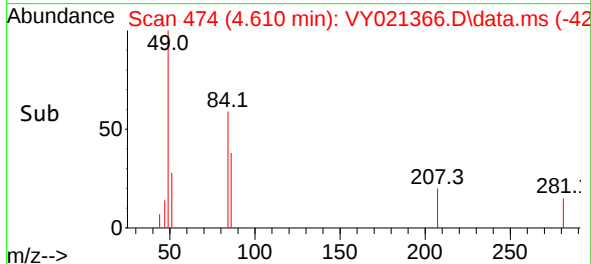
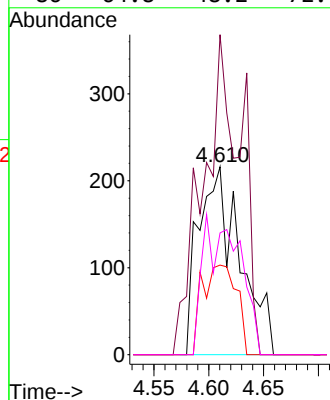
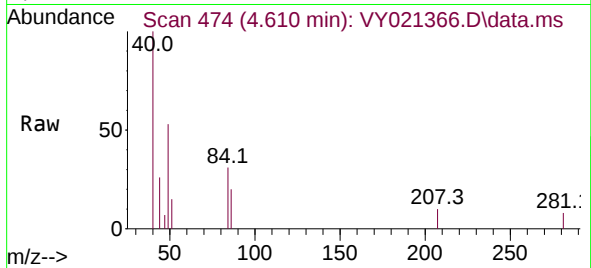




#20
Methylene Chloride
Concen: 3.986 ug/l
RT: 4.610 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

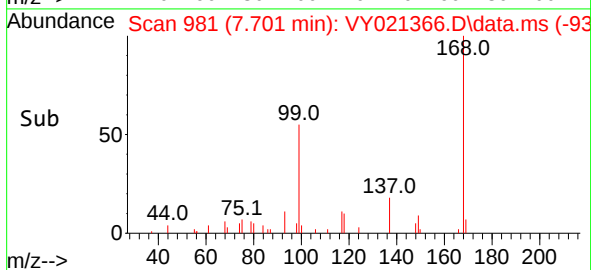
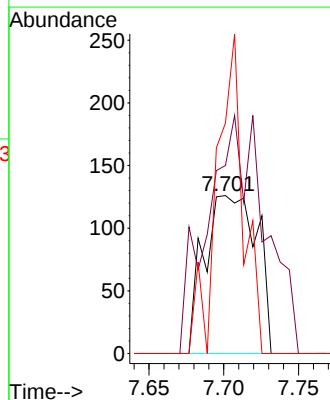
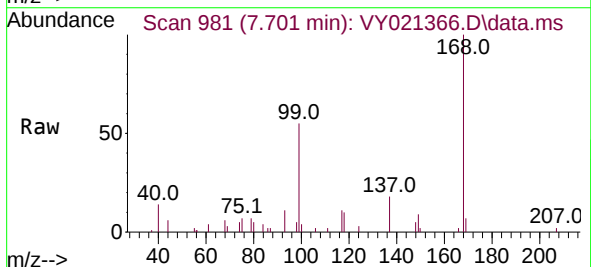
Instrument :
MSVOA_Y
ClientSampleId :
PSP1

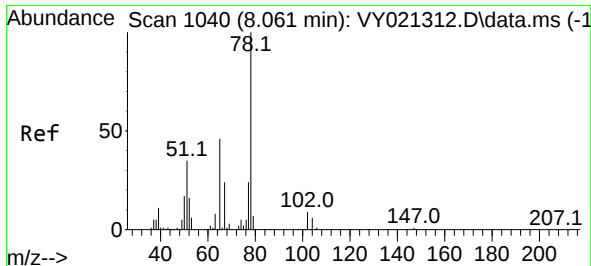
Tgt Ion:	84	Resp:	567
Ion	Ratio	Lower	Upper
84	100		
49	170.4	105.1	157.7#
51	47.7	31.0	46.4#
86	64.8	48.2	72.4



#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 :

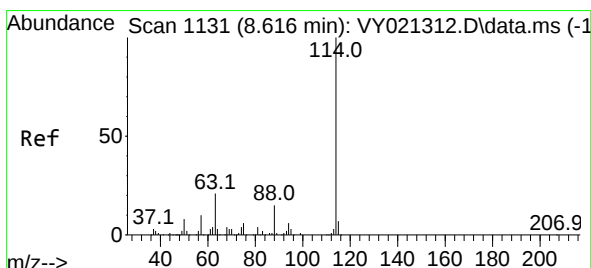
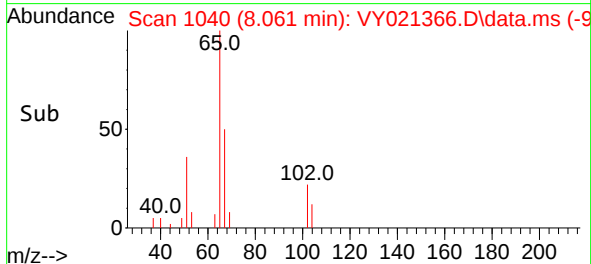
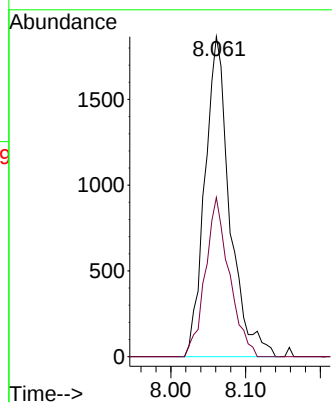
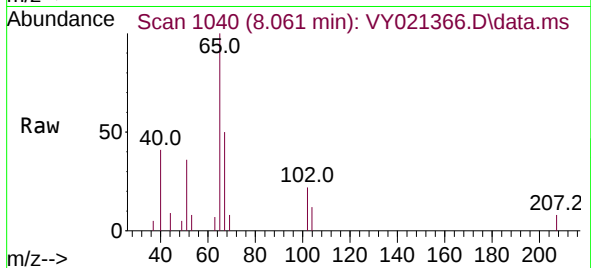
PSP1

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

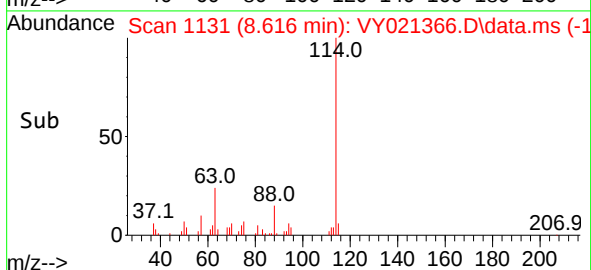
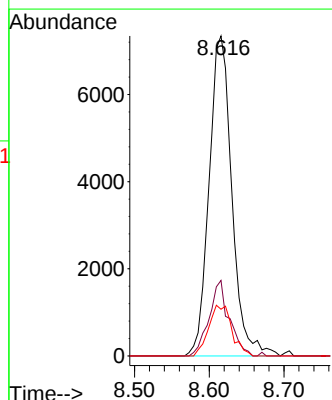
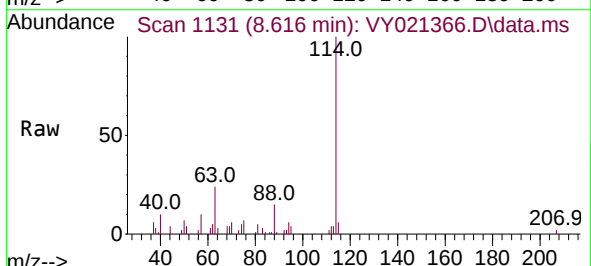
Tgt Ion: 114 Resp: 15555

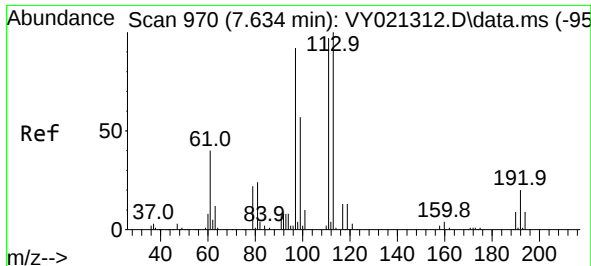
Ion Ratio Lower Upper

114 100

63 23.6 0.0 42.2

88 14.6 0.0 29.8

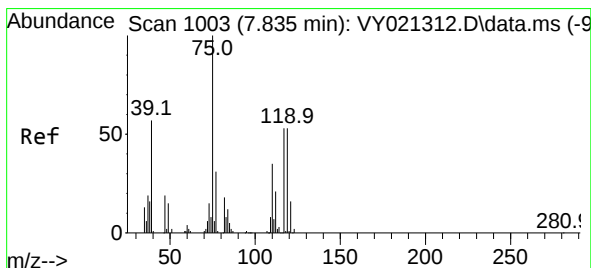
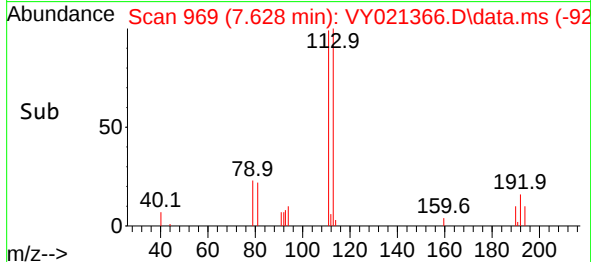
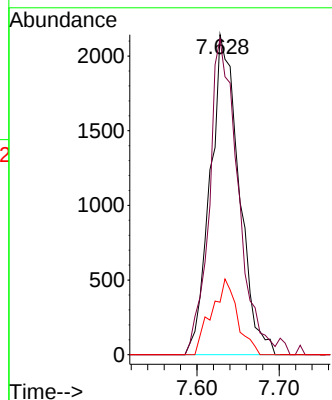
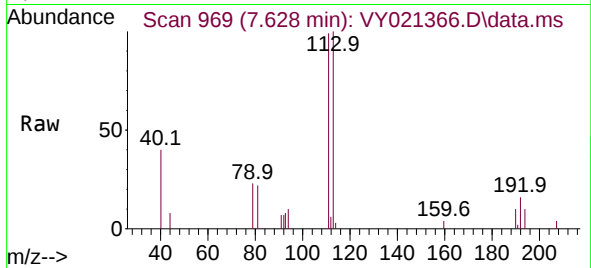




#35
Dibromofluoromethane
Concen: 51.412 ug/l
RT: 7.628 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

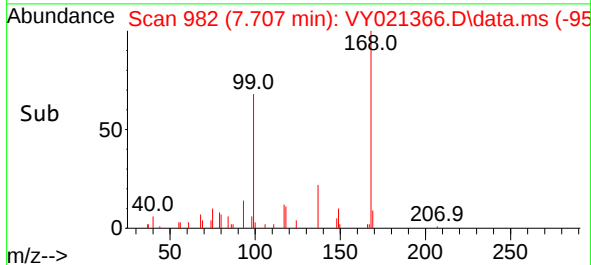
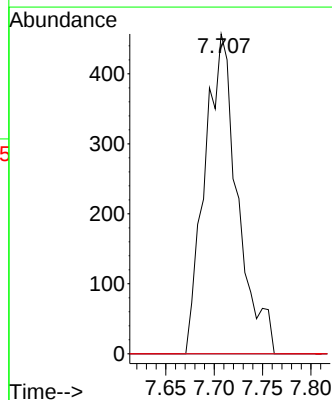
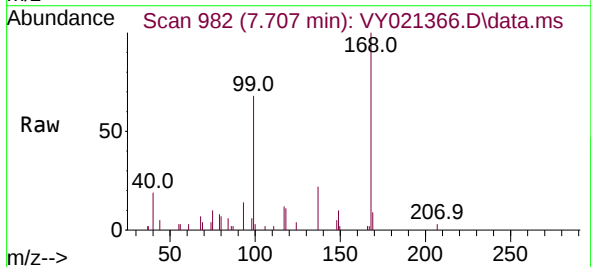
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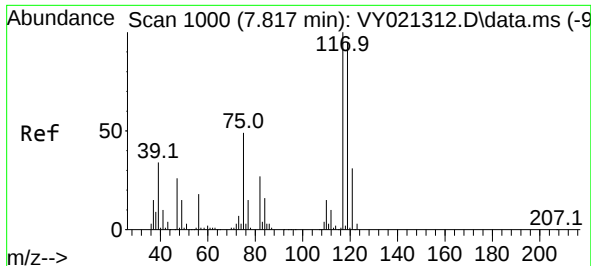
Tgt Ion:113 Resp: 5243
Ion Ratio Lower Upper
113 100
111 98.2 81.0 121.6
192 21.2 15.8 23.8



#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#

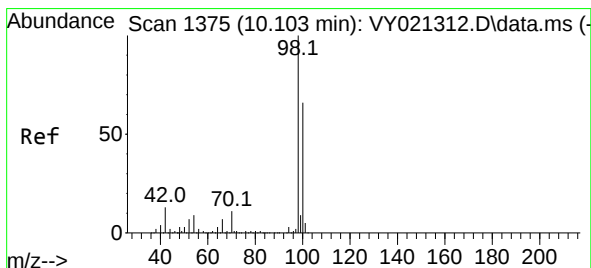
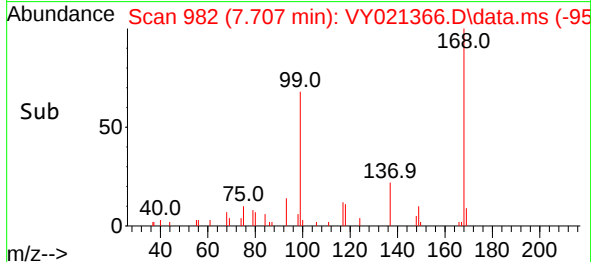
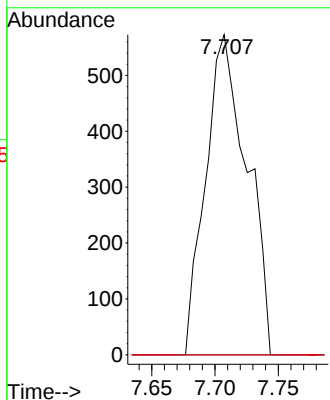
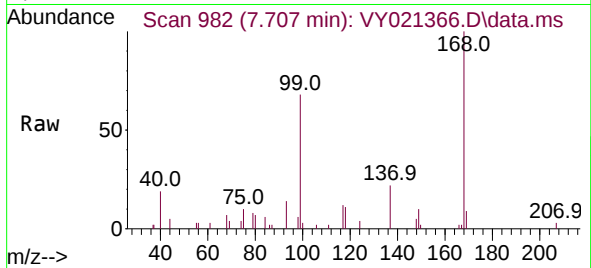




#38
Carbon Tetrachloride
Concen: 7.578 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

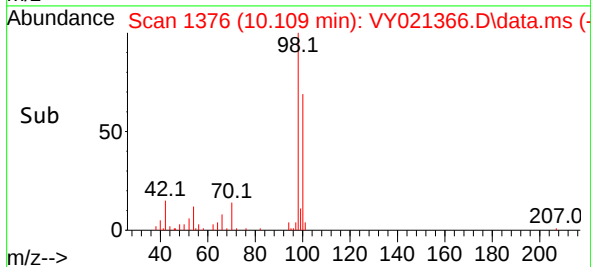
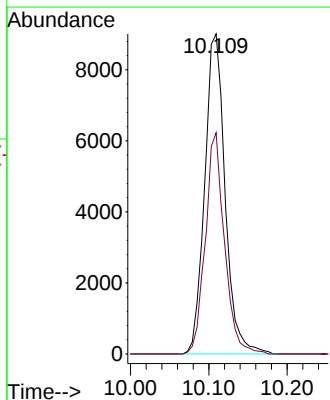
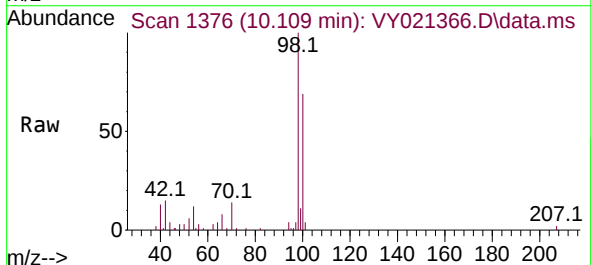
Instrument :
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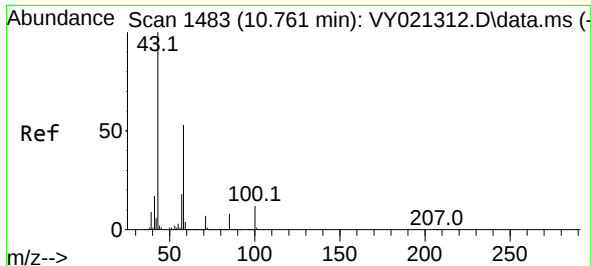
Tgt Ion:117 Resp: 1305
Ion Ratio Lower Upper
117 100
119 0.0 76.0 114.0#
121 0.0 24.9 37.3#



#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# 14

Delta R.T. -0.030 min

Lab File: VY021366.D

Acq: 27 Feb 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

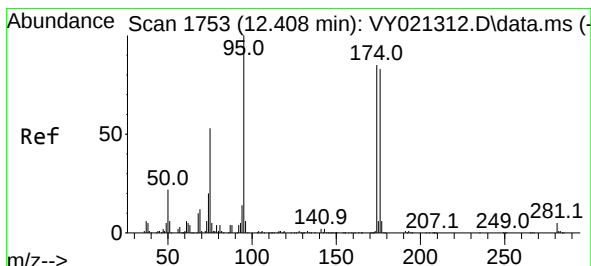
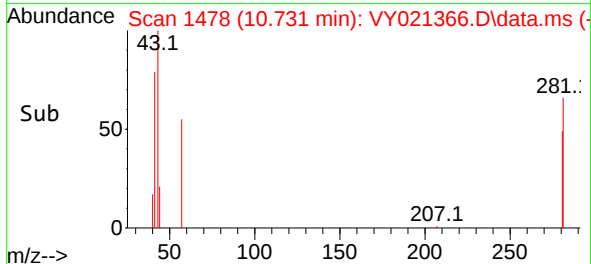
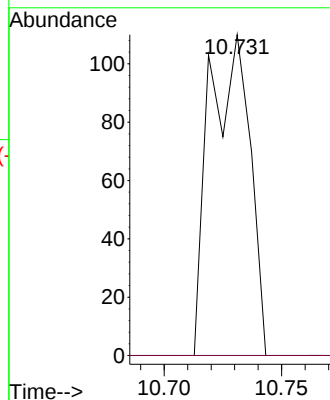
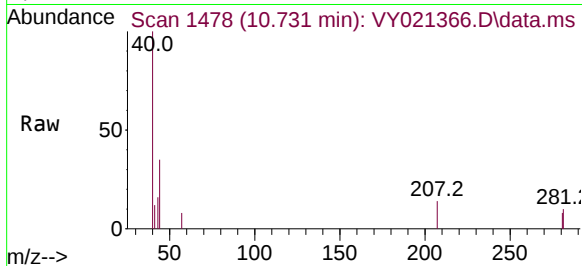
PSP1

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

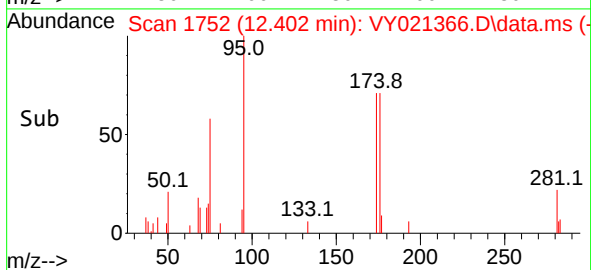
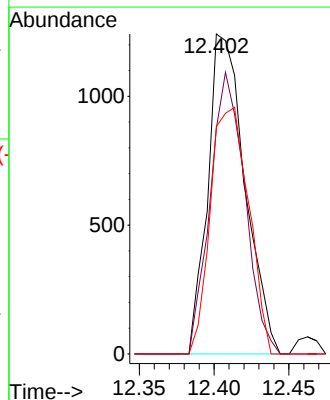
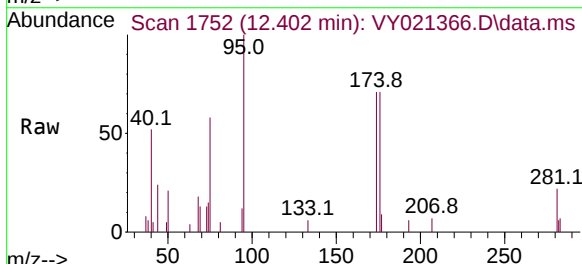
Tgt Ion: 95 Resp: 2148

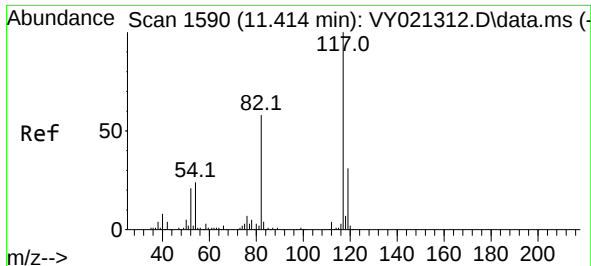
Ion Ratio Lower Upper

95 100

174 82.1 0.0 168.0

176 79.2 0.0 162.6

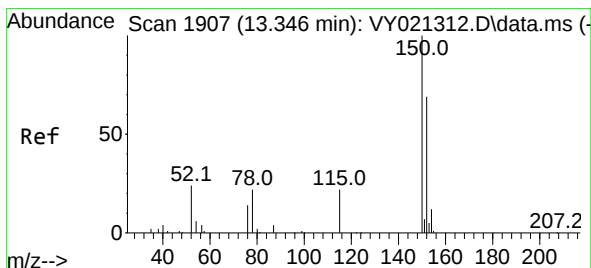
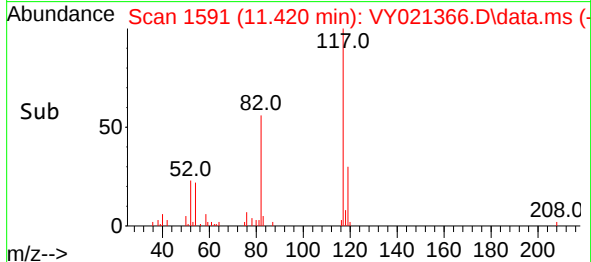
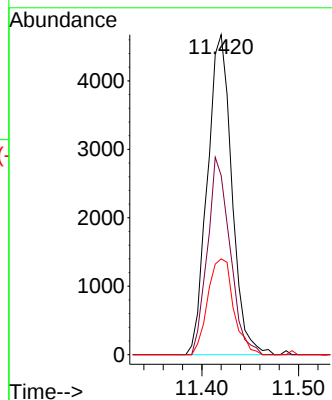
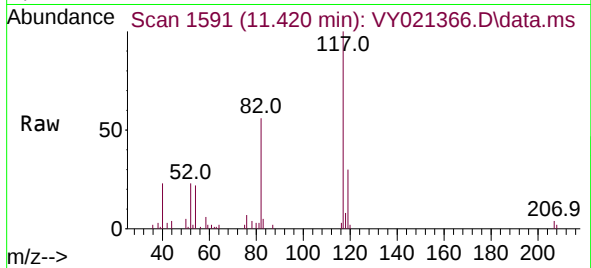




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

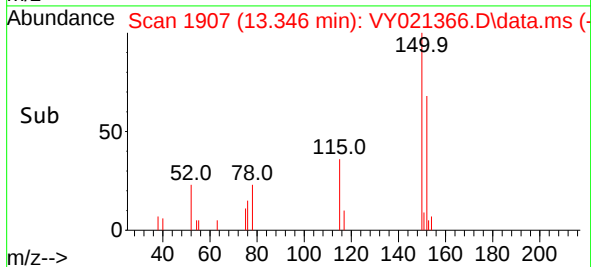
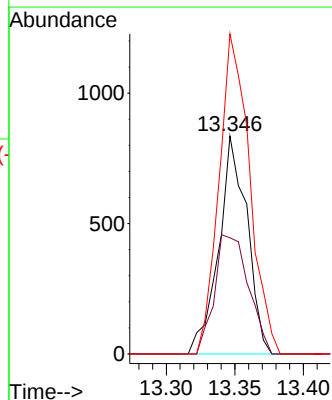
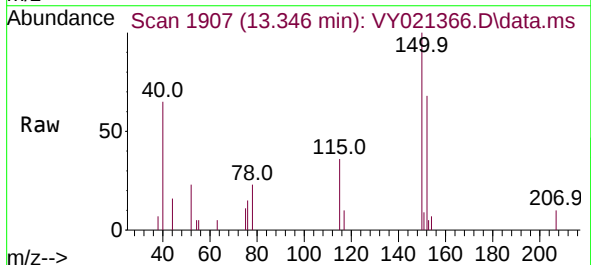
Instrument :
MSVOA_Y
ClientSampleId :
PSP1

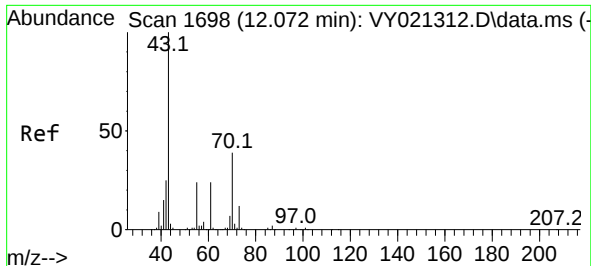
Tgt Ion:117 Resp: 8208
Ion Ratio Lower Upper
117 100
82 56.0 46.2 69.4
119 29.9 24.9 37.3



#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

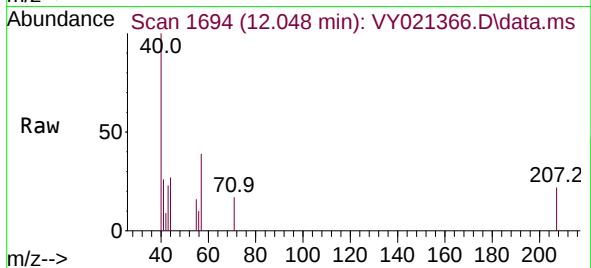
Tgt Ion:152 Resp: 1197
Ion Ratio Lower Upper
152 100
115 65.9 29.3 88.0
150 158.9 0.0 347.4



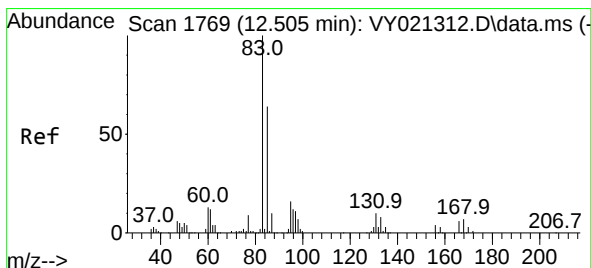
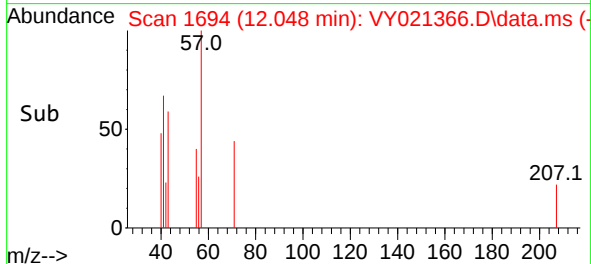
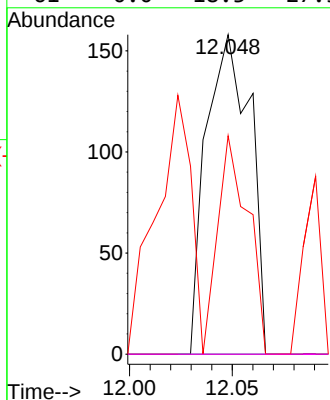


#74
N-amy1 acetate
Concen: 10.274 ug/l
RT: 12.048 min Scan# 1
Delta R.T. -0.024 min
Lab File: VY021366.D
Acq: 27 Feb 2025 18:19

Instrument :
MSVOA_Y
ClientSampleId :
PSP1

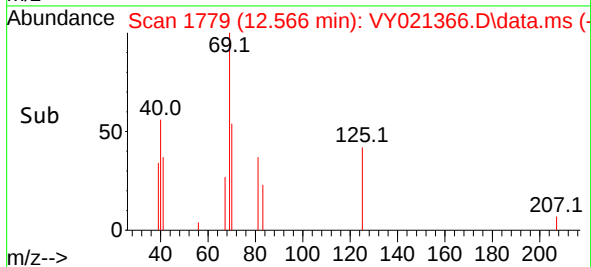
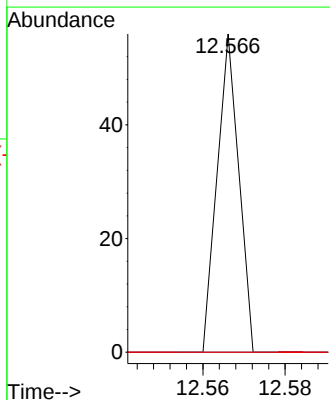
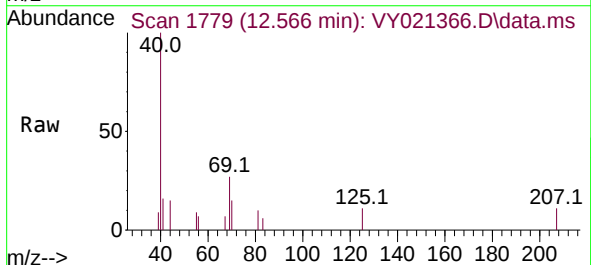


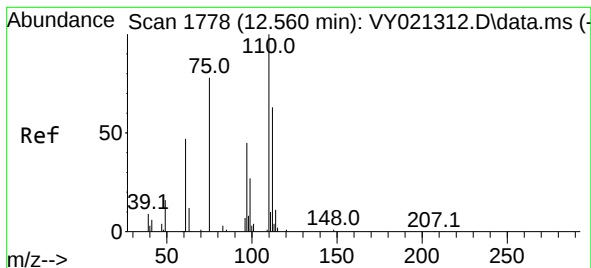
Tgt Ion: 43	Resp:	235	
Ion	Ratio	Lower	Upper
43	100		
70	0.0	32.2	48.2#
55	47.2	19.6	29.4#
61	0.0	18.3	27.5#



#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 :

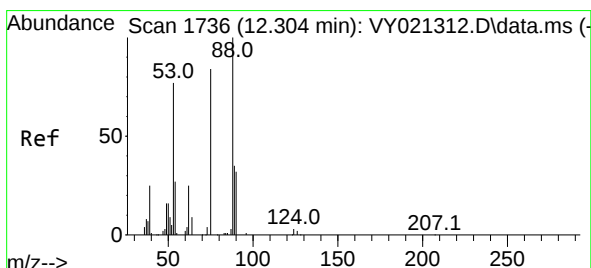
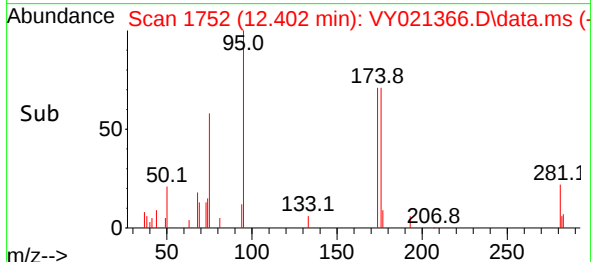
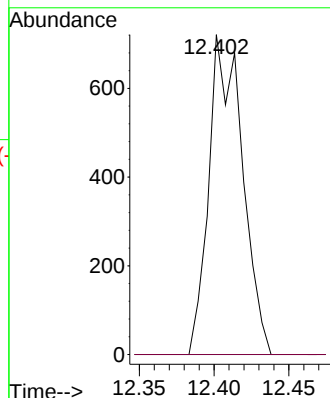
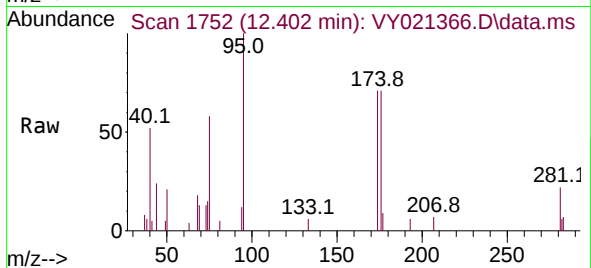
PSP1

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#

