

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021333.D
 Acq On : 26 Feb 2025 15:51
 Operator : SY/MD
 Sample : Q1411-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-03-02212025

Quant Time: Feb 27 00:39:05 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)

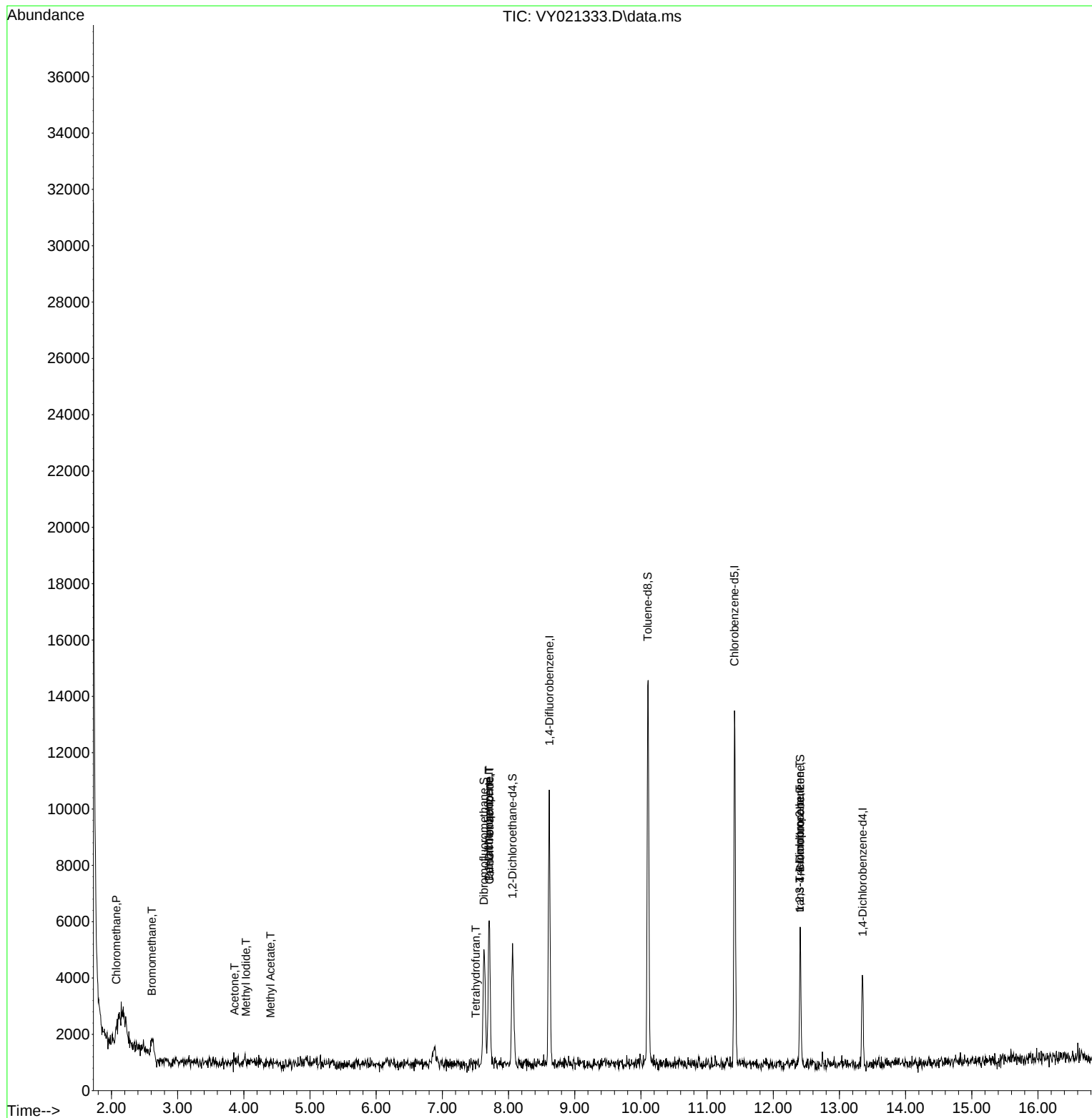
Internal Standards						
1) Pentafluorobenzene	7.701	168	4315	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	7541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3566	72.850	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.700%	
35) Dibromofluoromethane	7.628	113	3174	64.200	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.400%	
50) Toluene-d8	10.103	98	9411	49.254	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.408	95	1459	22.689	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 45.380%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	282	5.337	ug/l	94
5) Bromomethane	2.611	94	297	8.618	ug/l	99
10) Methyl Iodide	4.031	142	331	6.939	ug/l #	66
16) Acetone	3.860	43	144	15.336	ug/l #	45
18) Methyl Acetate	4.403	43	24	1.046	ug/l #	54
29) Tetrahydrofuran	7.506	42	20	2.159	ug/l #	35
36) 1,1-Dichloropropene	7.701	75	339	4.565	ug/l #	42
38) Carbon Tetrachloride	7.713	117	460	5.510	ug/l #	12
76) 1,2,3-Trichloropropane	12.401	75	854	81.959	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	854	182.165	ug/l #	10

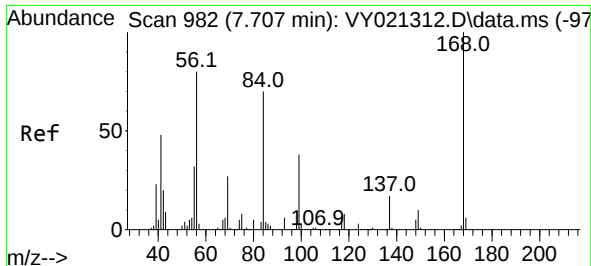
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
HR-03-02212025

Quant Time: Feb 27 00:39:05 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

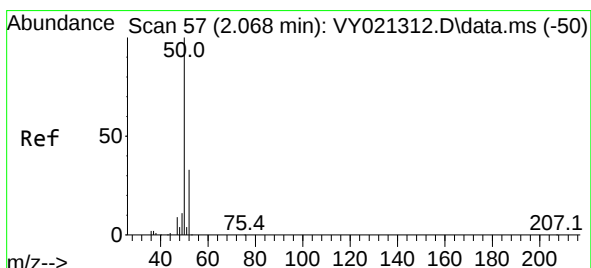
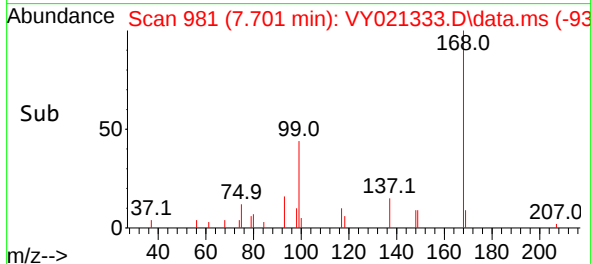
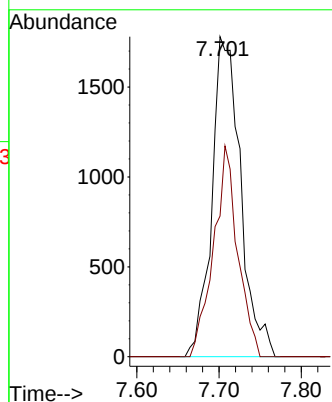
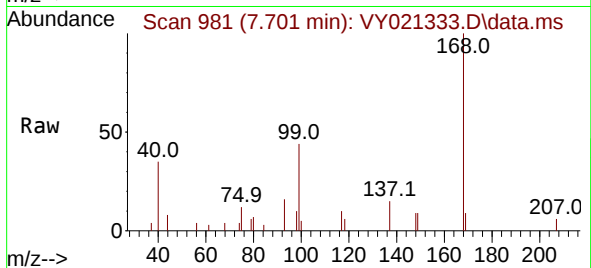




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

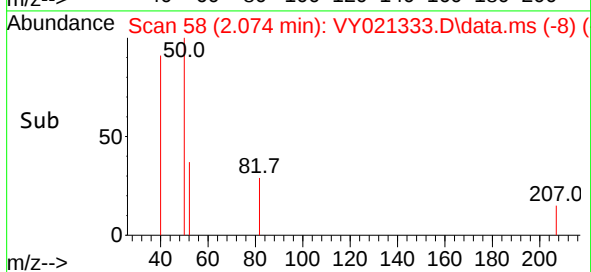
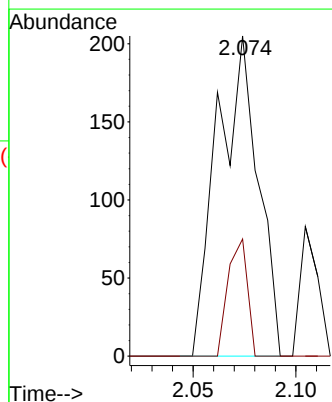
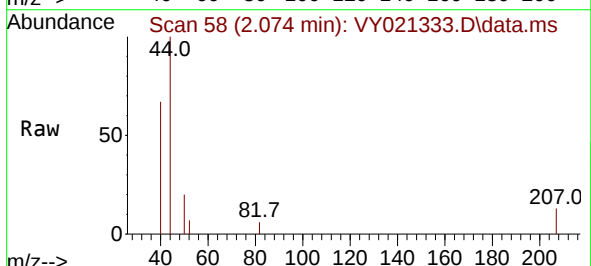
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-02212025

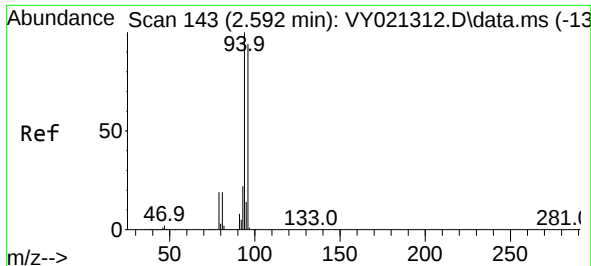
Tgt Ion:168 Resp: 4315
Ion Ratio Lower Upper
168 100
99 44.0 47.1 70.7#



#3
Chloromethane
Concen: 5.337 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

Tgt Ion: 50 Resp: 282
Ion Ratio Lower Upper
50 100
52 36.6 26.6 40.0

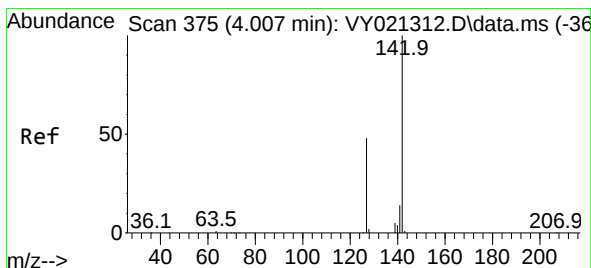
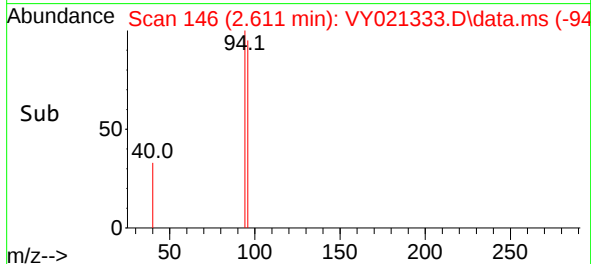
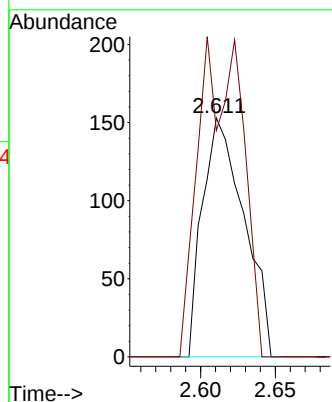
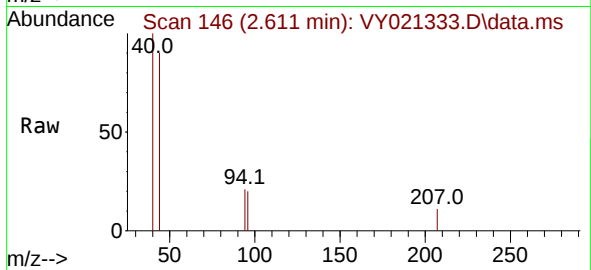




#5
Bromomethane
Concen: 8.618 ug/l
RT: 2.611 min Scan# 14
Delta R.T. 0.018 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

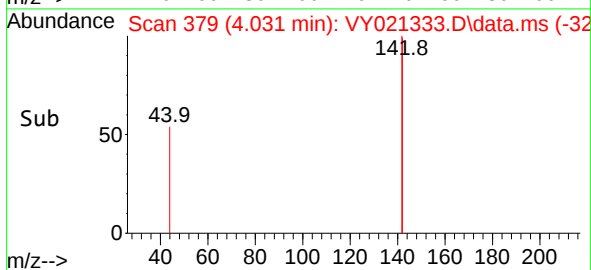
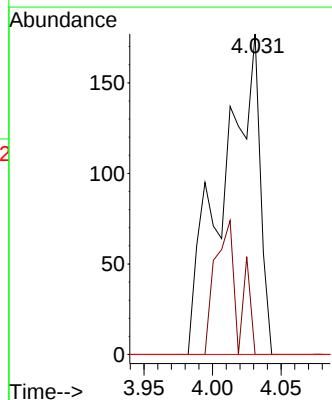
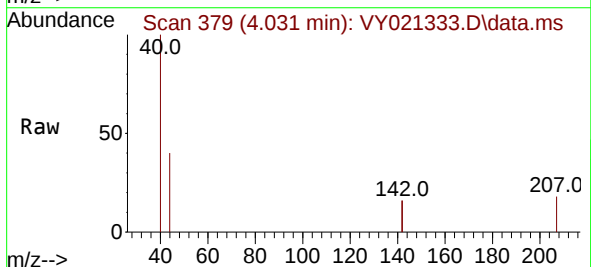
Instrument :
MSVOA_Y
ClientSampleId :
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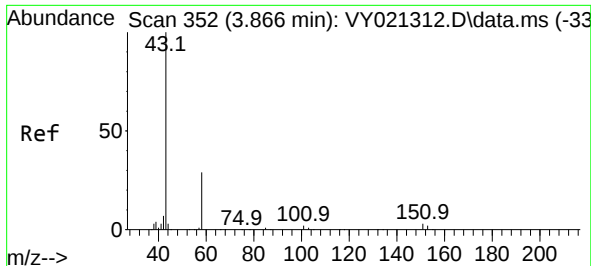
Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 94.8 75.2 112.8



#10
Methyl Iodide
Concen: 6.939 ug/l
RT: 4.031 min Scan# 379
Delta R.T. 0.024 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

Tgt Ion:142 Resp: 331
Ion Ratio Lower Upper
142 100
127 26.3 39.2 58.8#
141 0.0 11.4 17.2#

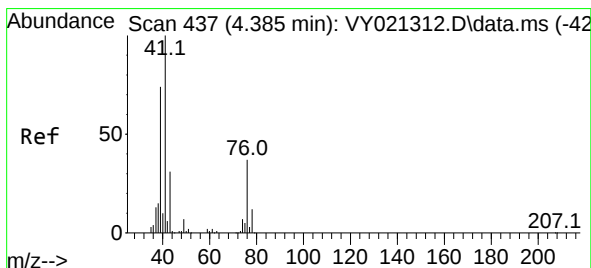
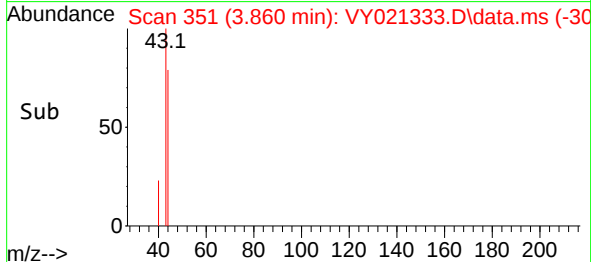
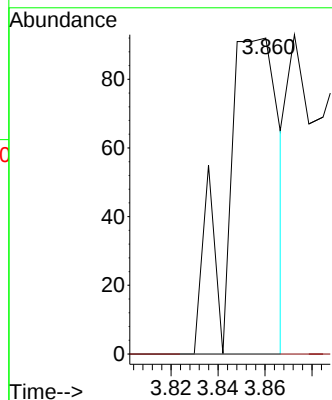
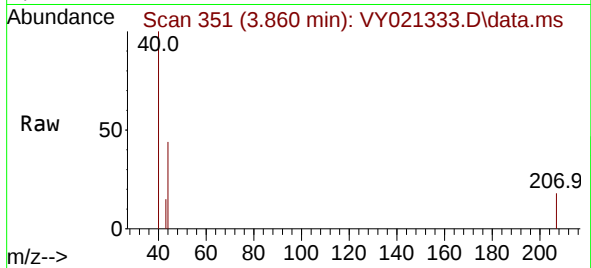




#16
Acetone
Concen: 15.336 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

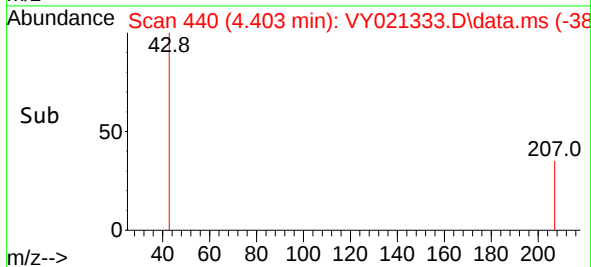
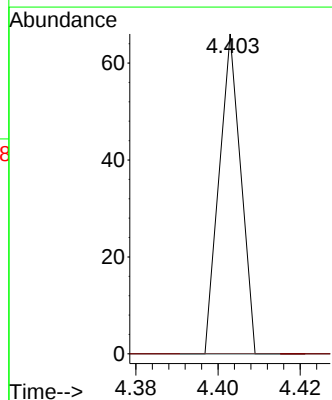
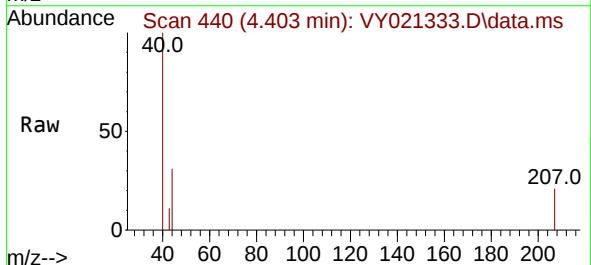
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-02212025

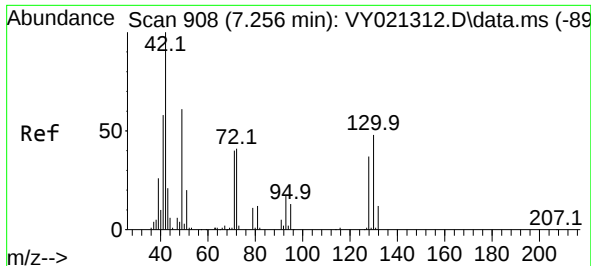
Tgt Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
58 0.0 23.5 35.3#



#18
Methyl Acetate
Concen: 1.046 ug/l
RT: 4.403 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#

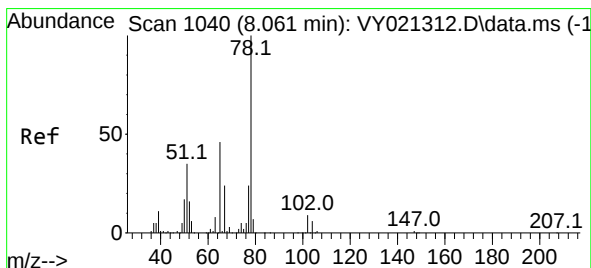
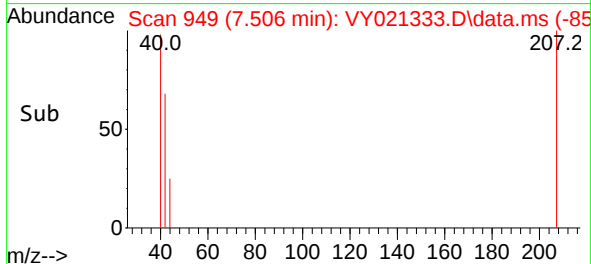
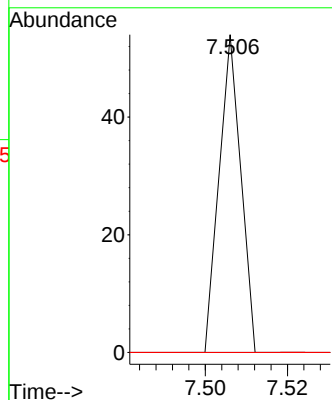
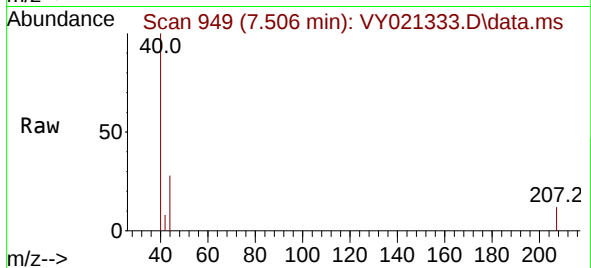




#29
Tetrahydrofuran
Concen: 2.159 ug/l
RT: 7.506 min Scan# 949
Delta R.T. 0.250 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

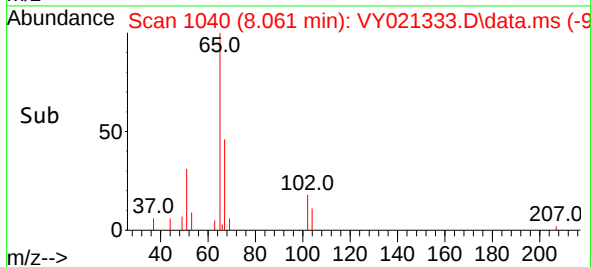
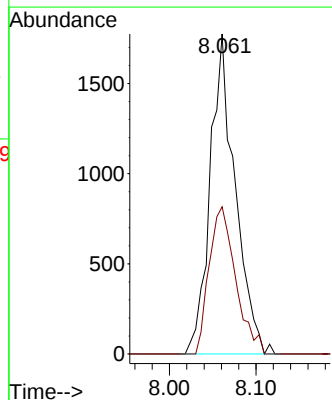
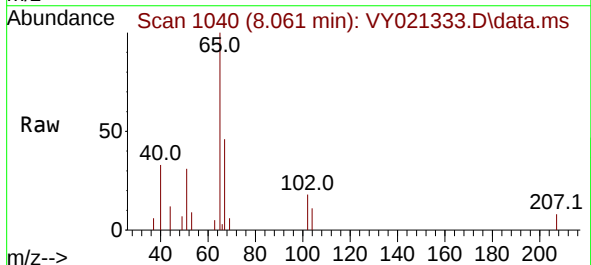
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-02212025

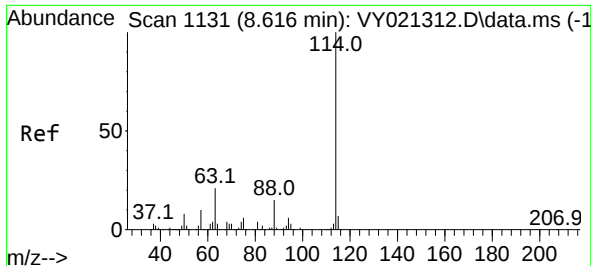
Tgt Ion: 42 Resp: 20
Ion Ratio Lower Upper
42 100
72 0.0 33.1 49.7#
71 0.0 31.4 47.0#



#33
1,2-Dichloroethane-d4
Concen: 72.850 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

Tgt Ion: 65 Resp: 3566
Ion Ratio Lower Upper
65 100
67 48.8 0.0 103.6

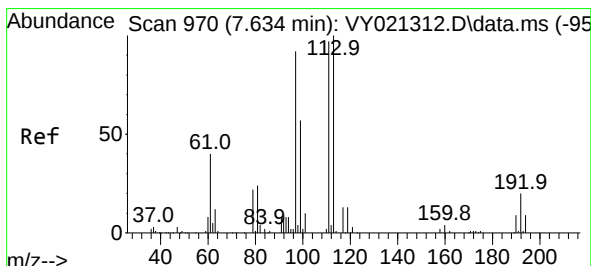
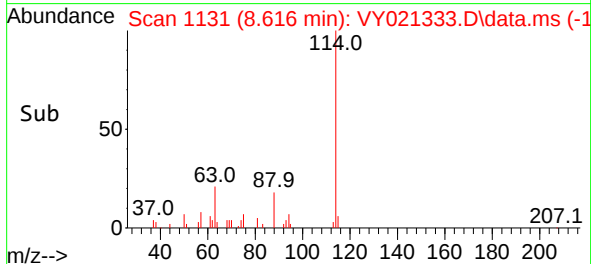
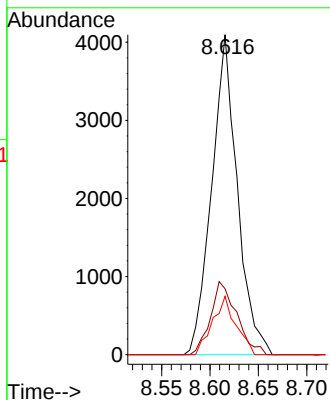
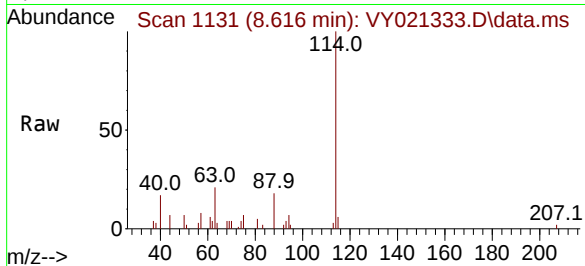




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

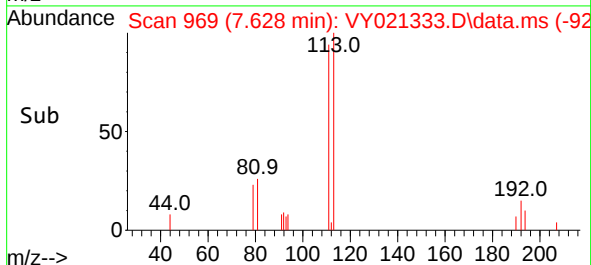
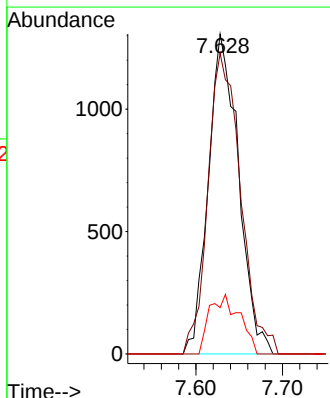
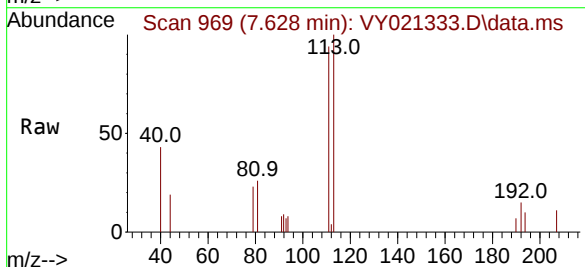
Instrument :
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ClientSampleId :
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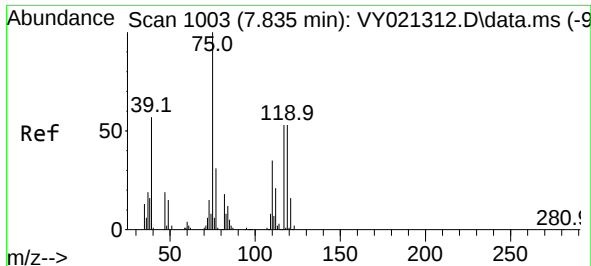
Tgt Ion:114	Resp:	7541
Ion	Ratio	Lower Upper
114	100	
63	20.6	0.0 42.2
88	18.2	0.0 29.8



#35
Dibromofluoromethane
Concen: 64.200 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

Tgt Ion:113	Resp:	3174
Ion	Ratio	Lower Upper
113	100	
111	101.2	81.0 121.6
192	18.4	15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.565 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY021333.D

Acq: 26 Feb 2025 15:51

Instrument :

MSVOA_Y

ClientSampleId :

HR-03-02212025

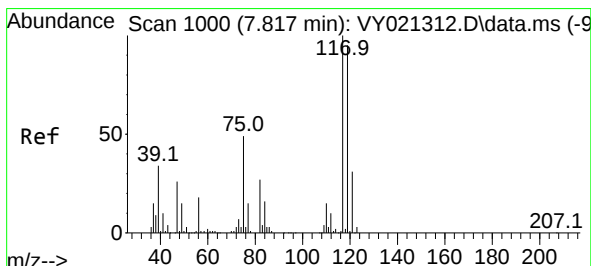
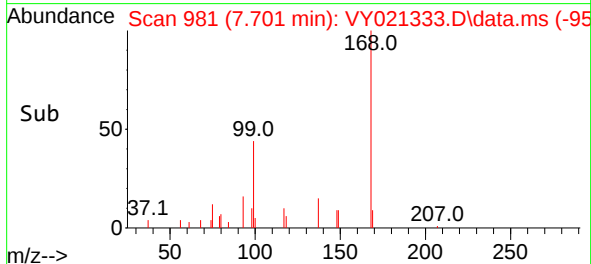
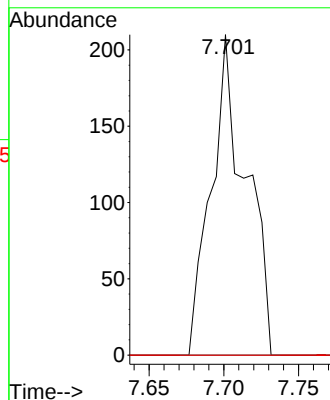
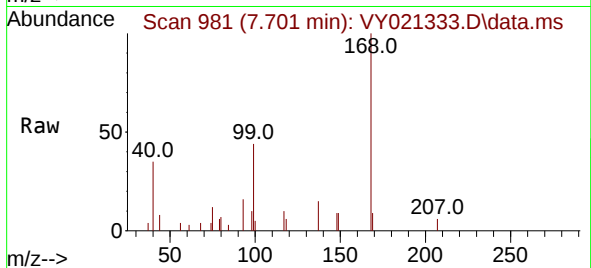
Tgt Ion: 75 Resp: 339

Ion Ratio Lower Upper

75 100

110 0.0 16.9 50.7#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.510 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY021333.D

Acq: 26 Feb 2025 15:51

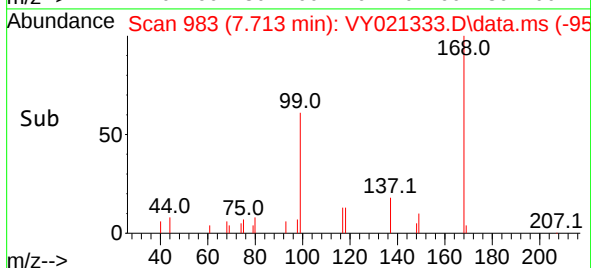
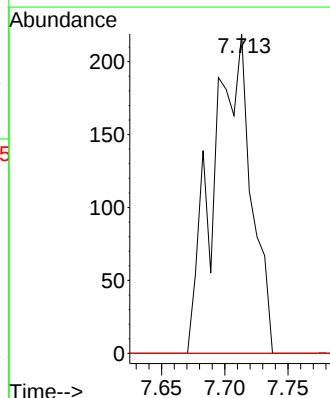
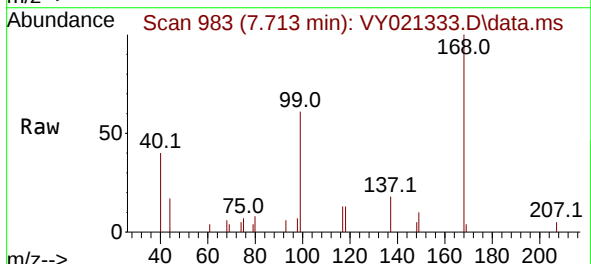
Tgt Ion: 117 Resp: 460

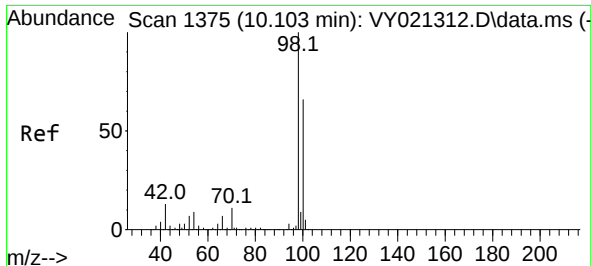
Ion Ratio Lower Upper

117 100

119 0.0 76.0 114.0#

121 0.0 24.9 37.3#

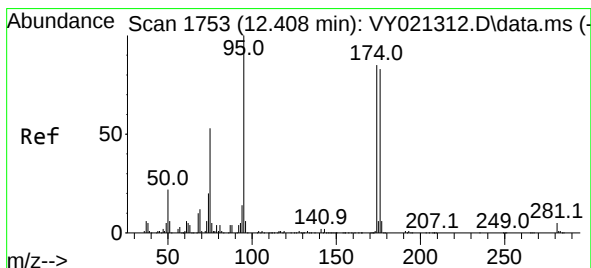
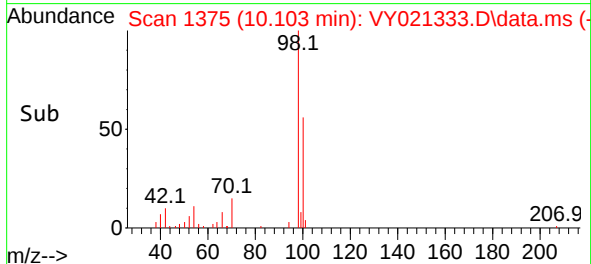
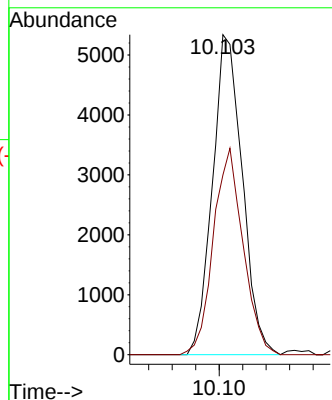
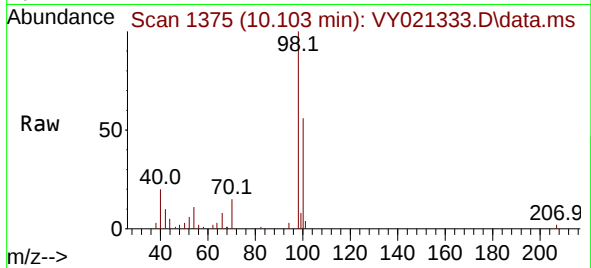




#50
Toluene-d8
Concen: 49.254 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

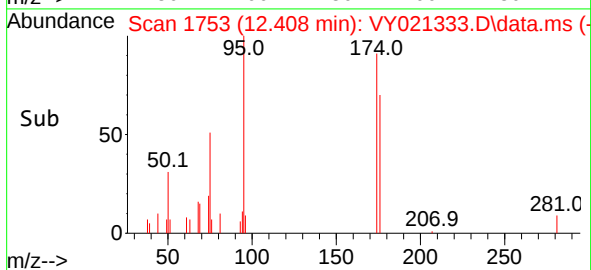
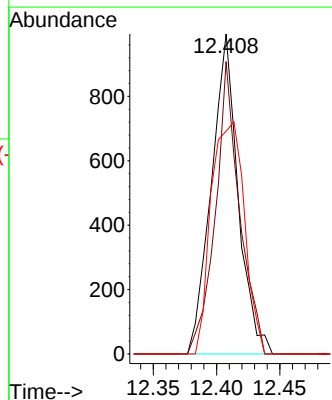
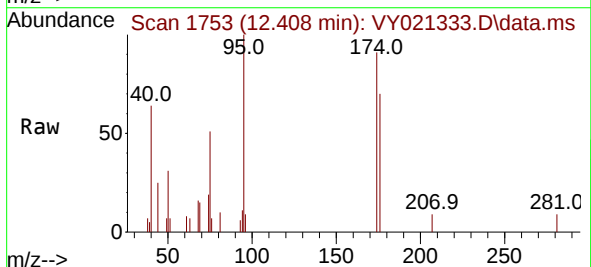
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-02212025

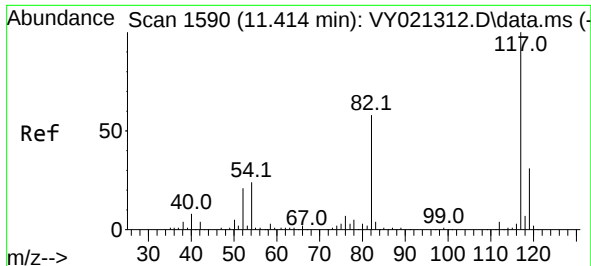
Tgt Ion: 98 Resp: 9411
Ion Ratio Lower Upper
98 100
100 64.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 22.689 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

Tgt Ion: 95 Resp: 1459
Ion Ratio Lower Upper
95 100
174 82.2 0.0 168.0
176 90.2 0.0 162.6

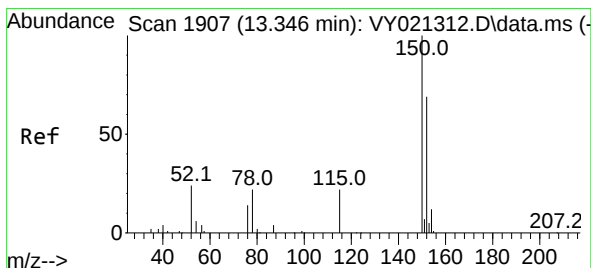
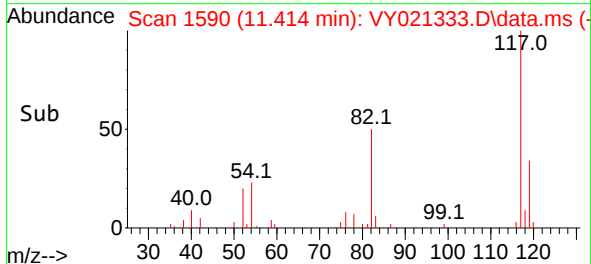
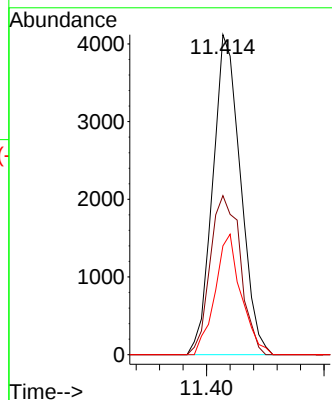
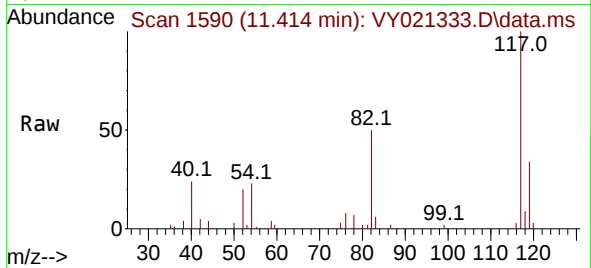




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

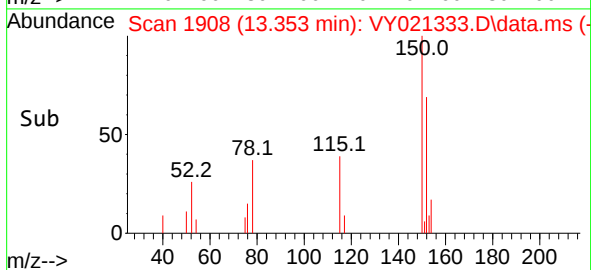
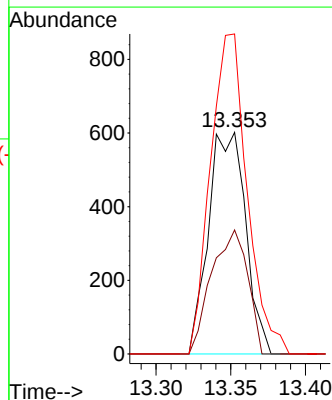
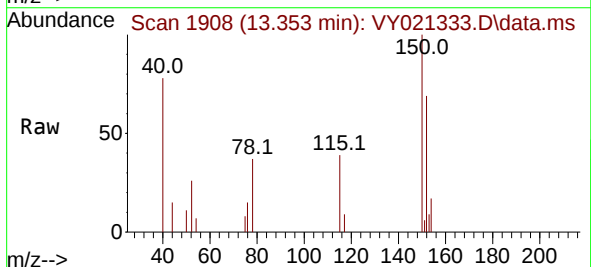
Instrument :
MSVOA_Y
ClientSampleId :
HR-03-02212025

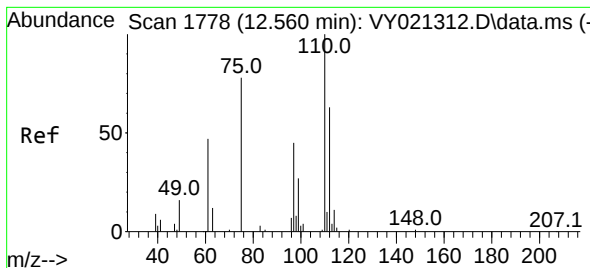
Tgt Ion:117	Resp:	6747
Ion	Ratio	Lower Upper
117	100	
82	49.7	46.2 69.4
119	34.0	24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021333.D
Acq: 26 Feb 2025 15:51

Tgt Ion:152	Resp:	1041
Ion	Ratio	Lower Upper
152	100	
115	54.4	29.3 88.0
150	142.6	0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 81.959 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY021333.D

Acq: 26 Feb 2025 15:51

Instrument :

MSVOA_Y

ClientSampleId :

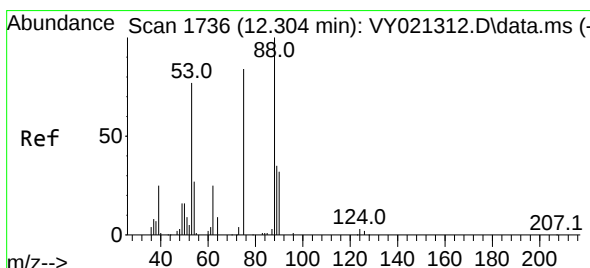
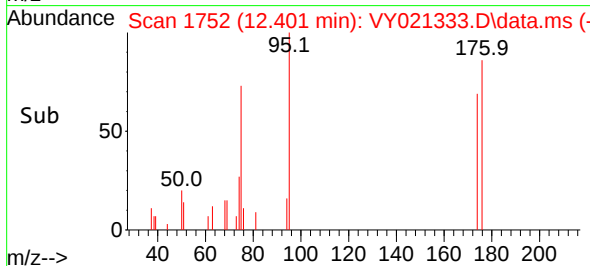
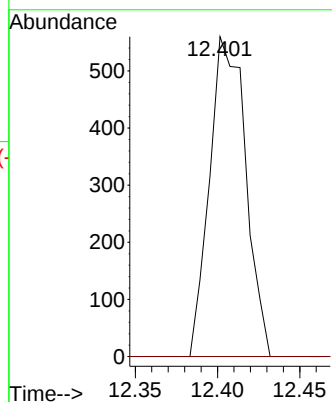
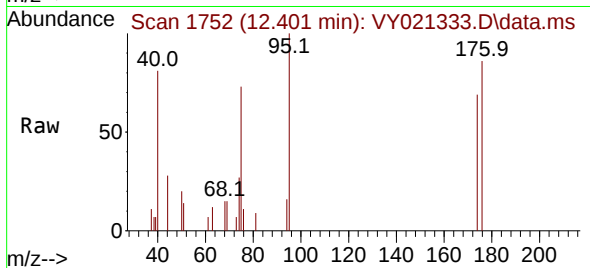
HR-03-02212025

Tgt Ion: 75 Resp: 854

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 182.165 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. 0.098 min

Lab File: VY021333.D

Acq: 26 Feb 2025 15:51

Tgt Ion: 75 Resp: 854

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 35.6 53.4#

