

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090925\
 Data File : VY023317.D
 Acq On : 09 Sep 2025 11:40
 Operator : SY/MD
 Sample : Q3054-03
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-385-VOC

Quant Time: Sep 10 01:52:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

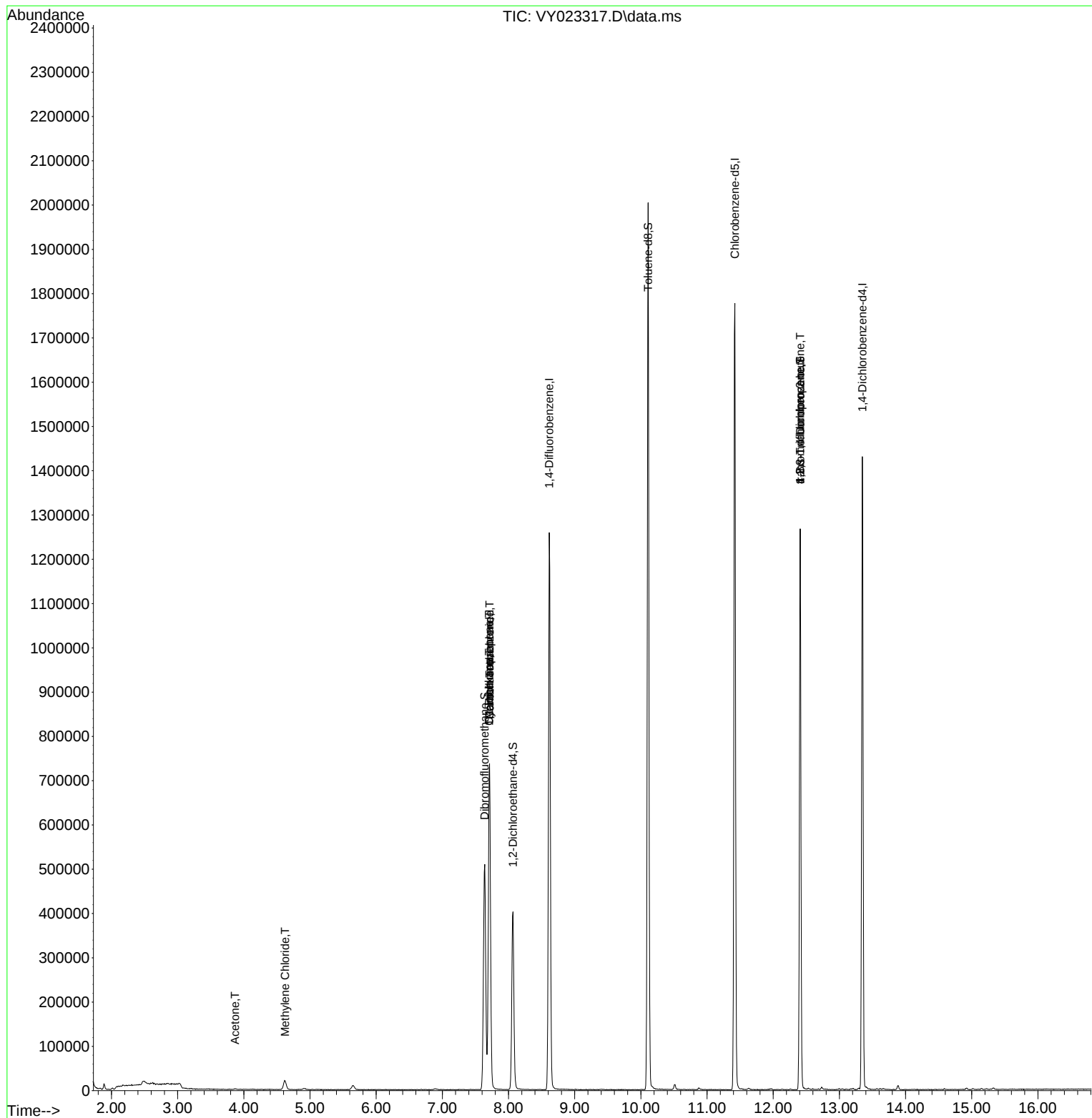
Internal Standards						
1) Pentafluorobenzene	7.713	168	603166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1116712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1001001	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	375265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	311940	58.855	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.720%	
35) Dibromofluoromethane	7.640	113	362822	53.152	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.300%	
50) Toluene-d8	10.109	98	1319526	51.193	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.380%	
62) 4-Bromofluorobenzene	12.408	95	378700	46.687	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.380%	
Target Compounds						
						Qvalue
16) Acetone	3.867	43	2909	2.410	ug/l	94
20) Methylene Chloride	4.622	84	16242	2.515	ug/l	86
31) Cyclohexane	7.707	56	10780	1.162	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43022	4.425	ug/l #	48
38) Carbon Tetrachloride	7.713	117	56895	5.086	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	191279	50.333	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	191279	137.263	ug/l #	14

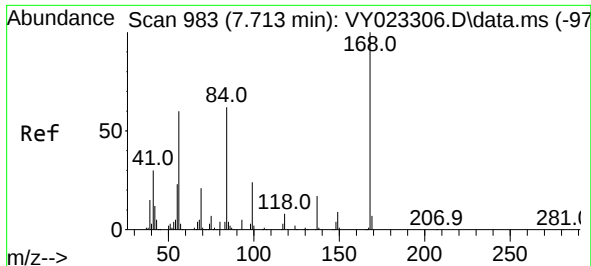
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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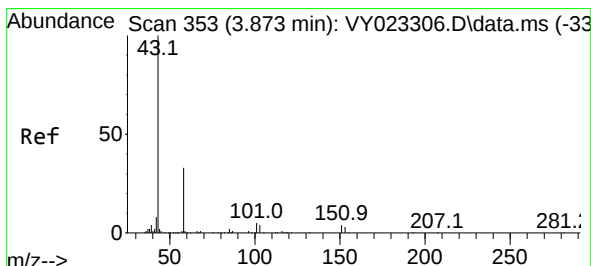
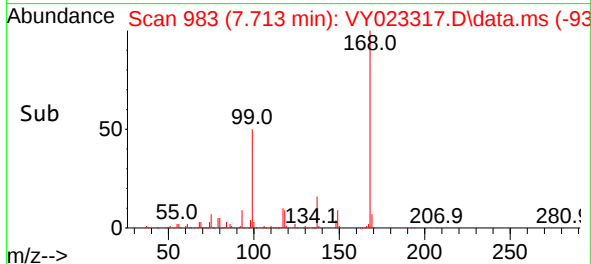
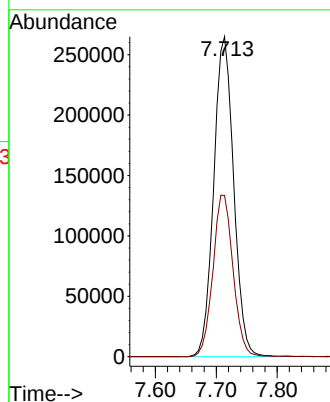
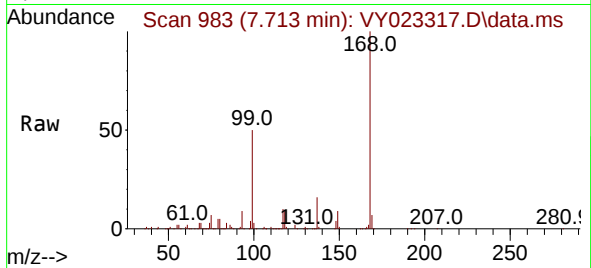




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

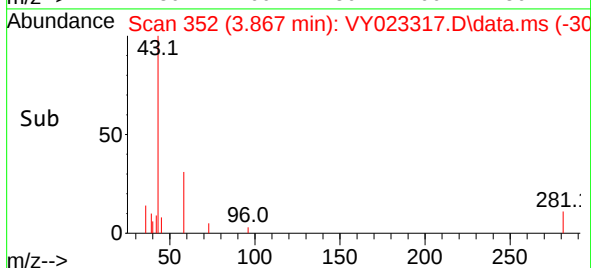
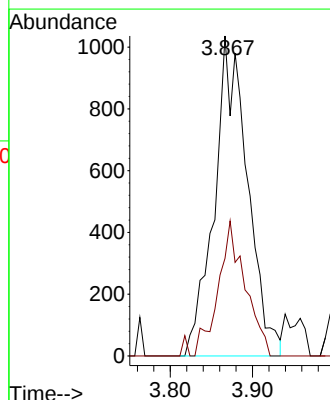
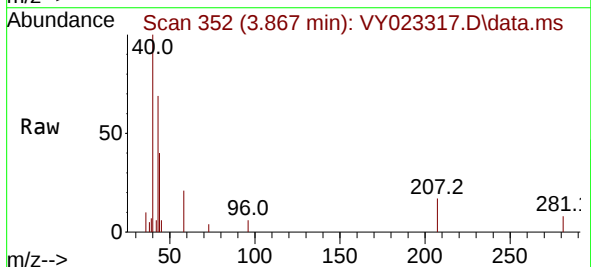
Instrument :
MSVOA_Y
ClientSampleId :
MH-385-VOC

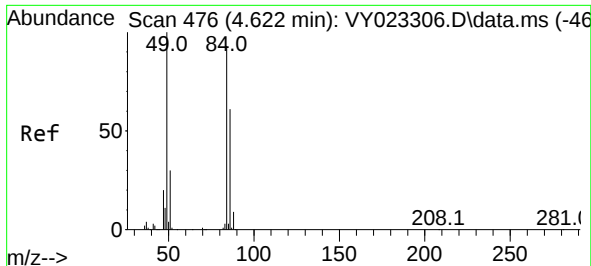
Tgt Ion:168 Resp: 603166
Ion Ratio Lower Upper
168 100
99 50.4 42.8 64.2



#16
Acetone
Concen: 2.410 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
58 30.5 27.1 40.7

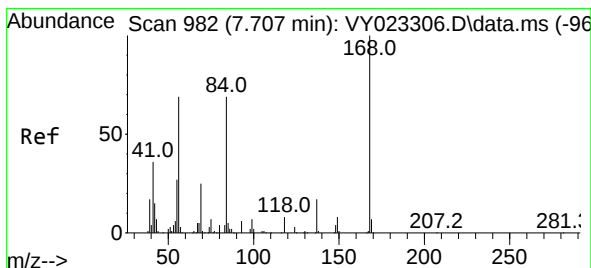
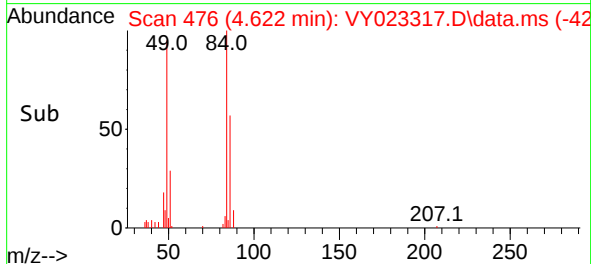
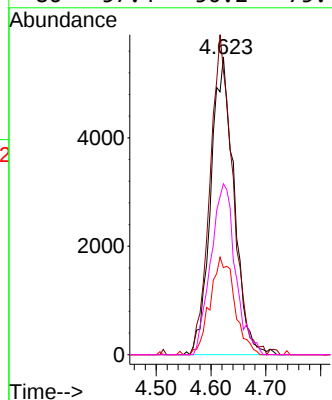
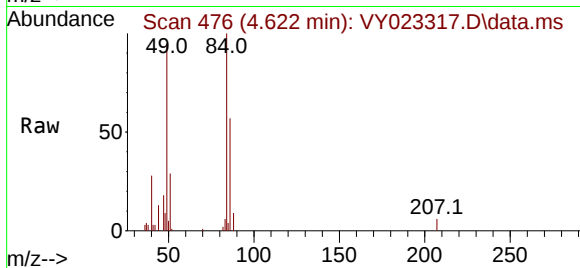




#20
Methylene Chloride
Concen: 2.515 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

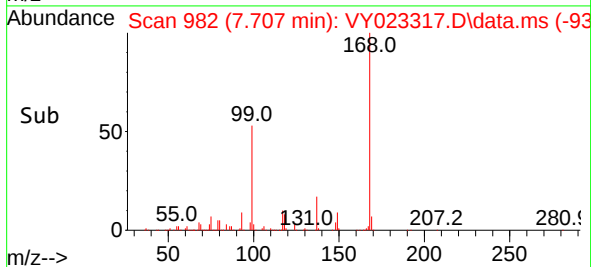
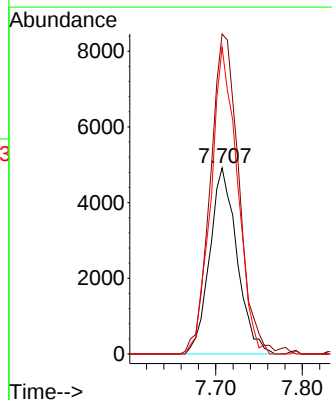
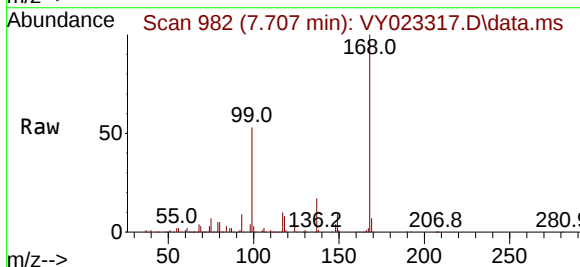
Instrument :
MSVOA_Y
ClientSampleId :
MH-385-VOC

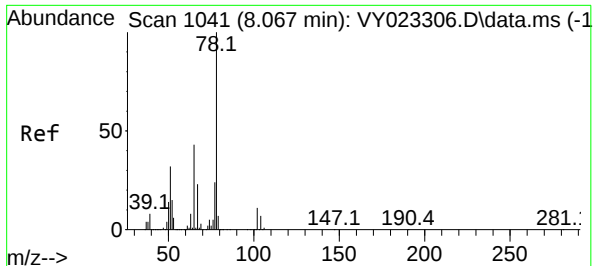
Tgt Ion:	84	Resp:	16242
Ion	Ratio	Lower	Upper
84	100		
49	95.5	93.0	139.6
51	29.2	29.0	43.4
86	57.4	50.2	75.4



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion:	56	Resp:	10780
Ion	Ratio	Lower	Upper
56	100		
69	172.0	28.2	42.2#
84	164.9	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.855 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023317.D

Acq: 09 Sep 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

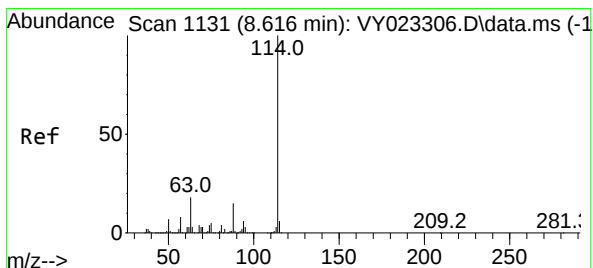
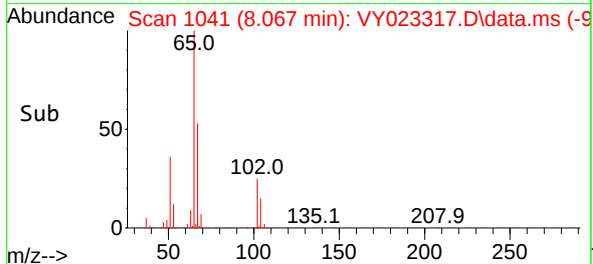
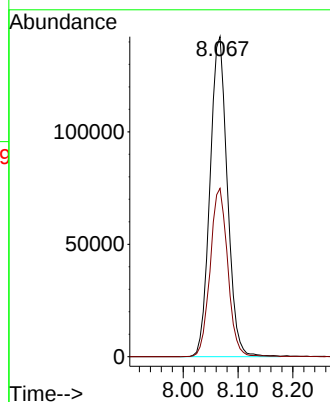
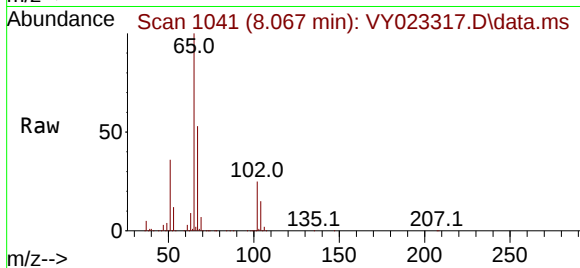
MH-385-VOC

Tgt Ion: 65 Resp: 311940

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023317.D

Acq: 09 Sep 2025 11:40

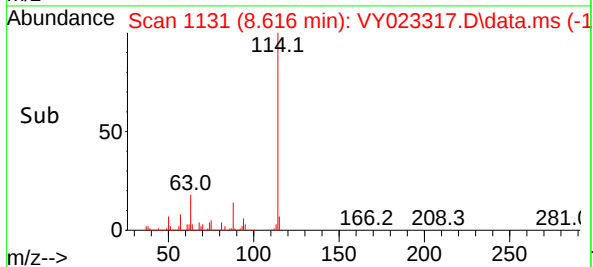
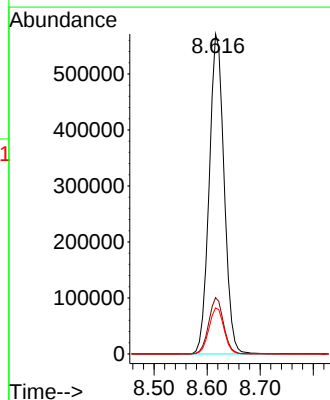
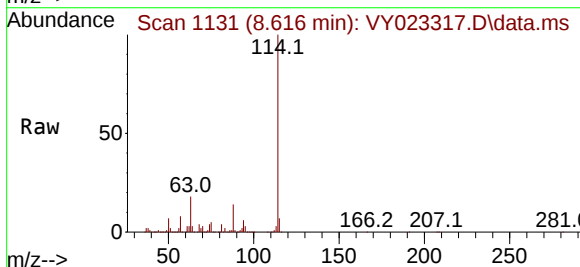
Tgt Ion: 114 Resp: 1116712

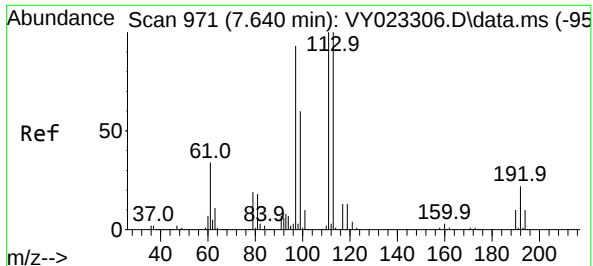
Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.4 0.0 30.0

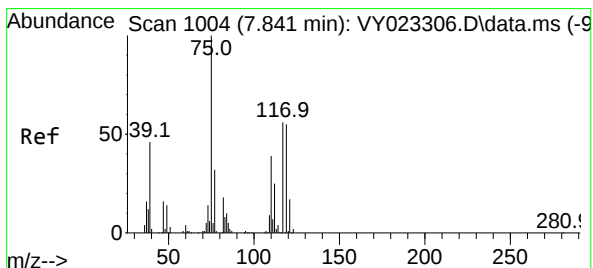
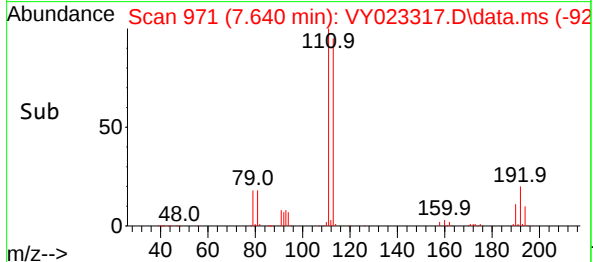
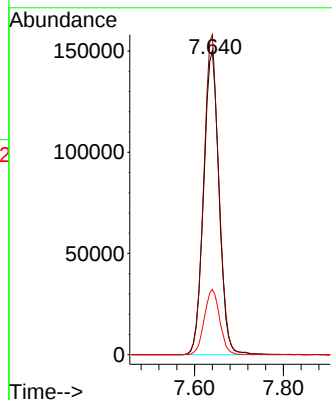
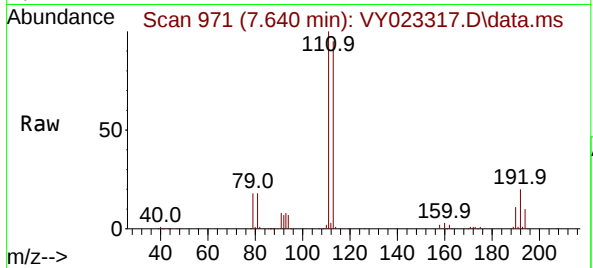




#35
Dibromofluoromethane
Concen: 53.152 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

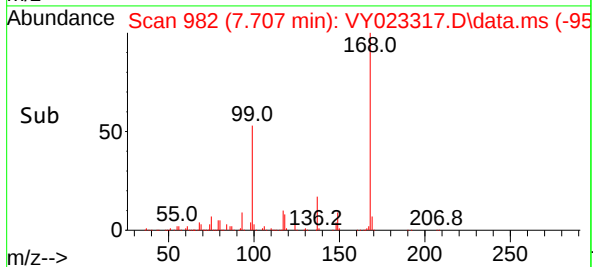
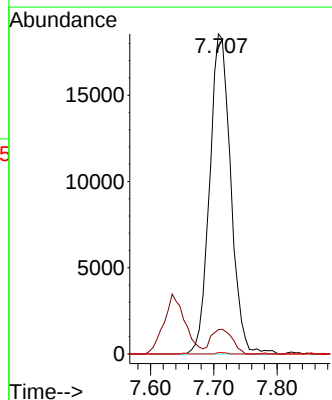
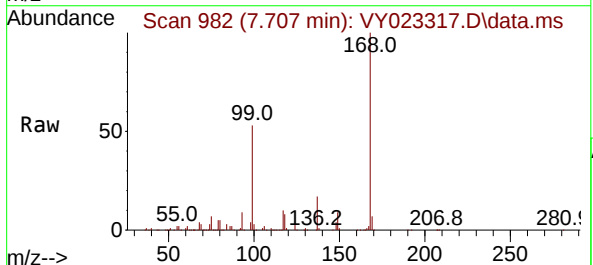
Instrument :
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ClientSampleId :
MH-385-VOC

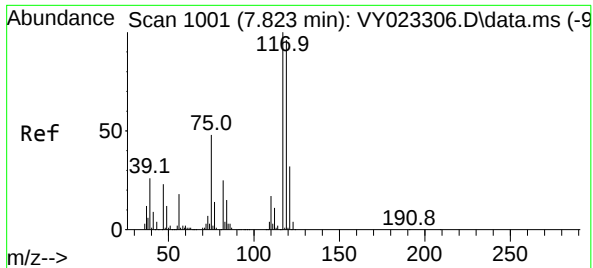
Tgt Ion:113 Resp: 362822
Ion Ratio Lower Upper
113 100
111 103.6 81.1 121.7
192 21.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.425 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion: 75 Resp: 43022
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.2 24.6 37.0#

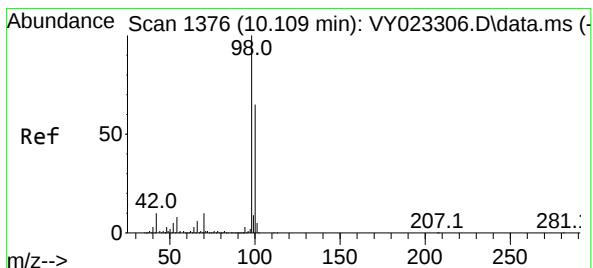
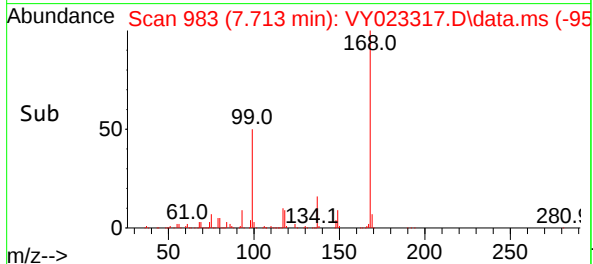
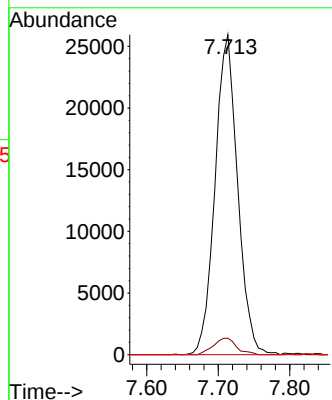
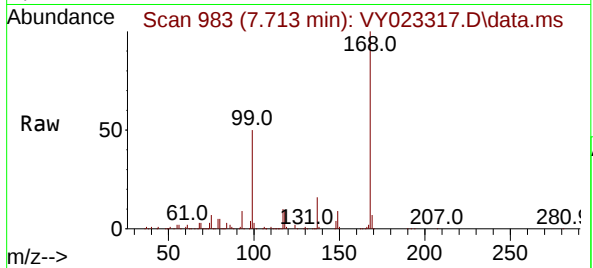




#38
Carbon Tetrachloride
Concen: 5.086 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

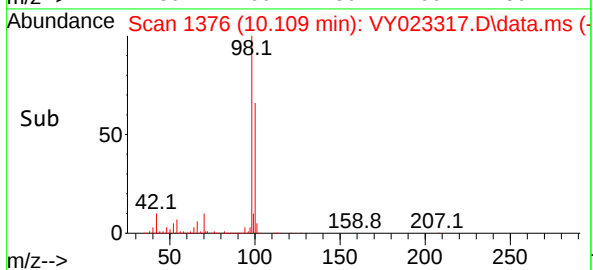
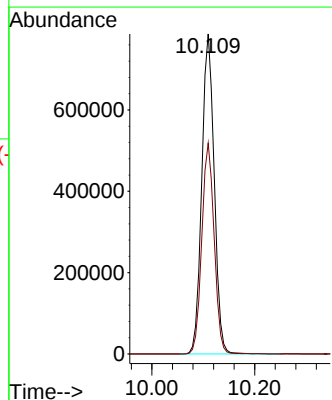
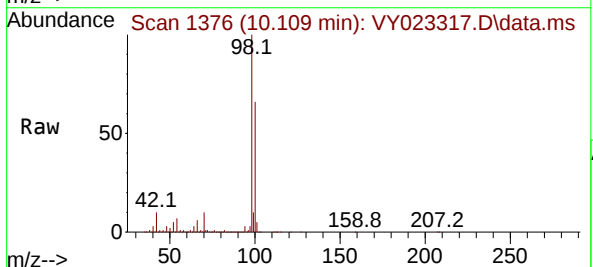
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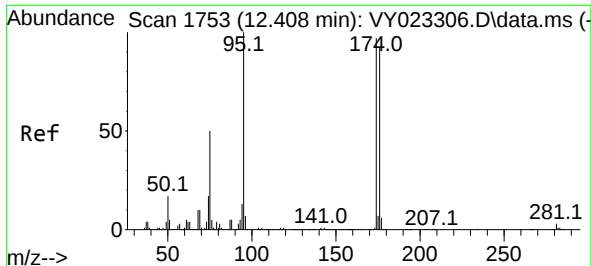
Tgt Ion:117 Resp: 56895
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion: 98 Resp: 1319526
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

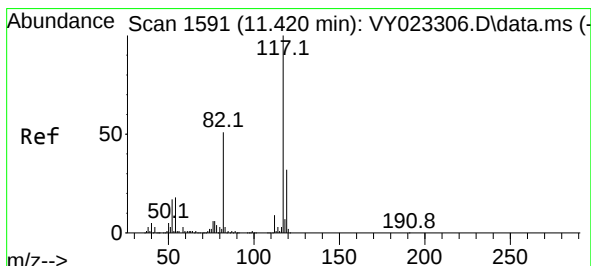
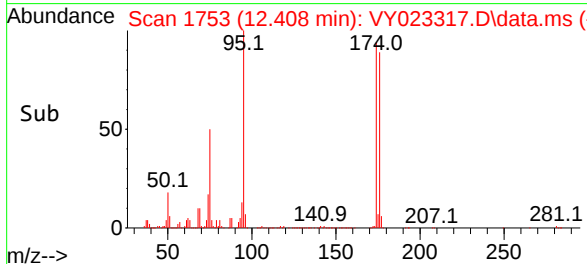
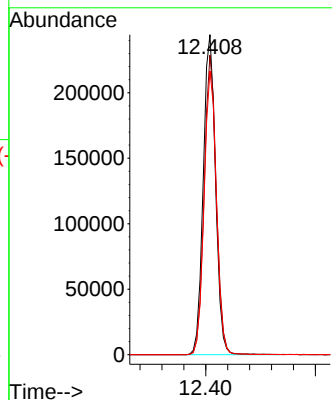
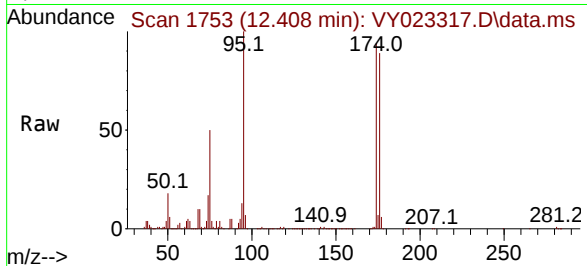




#62
4-Bromofluorobenzene
Concen: 46.687 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

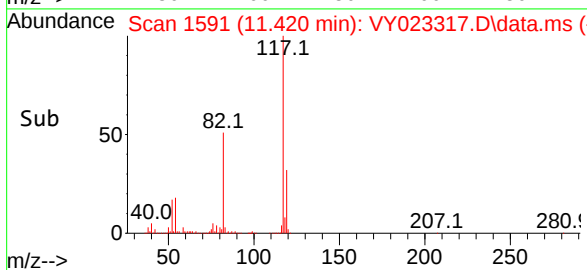
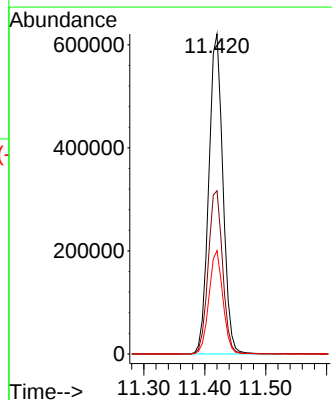
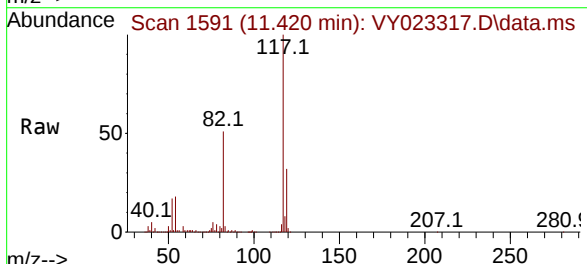
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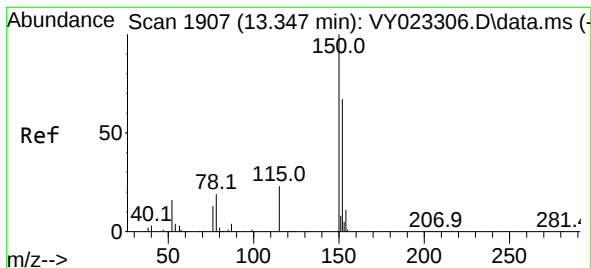
Tgt Ion: 95 Resp: 378700
Ion Ratio Lower Upper
95 100
174 93.0 0.0 171.6
176 89.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023317.D
Acq: 09 Sep 2025 11:40

Tgt Ion: 117 Resp: 1001001
Ion Ratio Lower Upper
117 100
82 51.0 43.4 65.0
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023317.D

Acq: 09 Sep 2025 11:40

Instrument :

MSVOA_Y

ClientSampleId :

MH-385-VOC

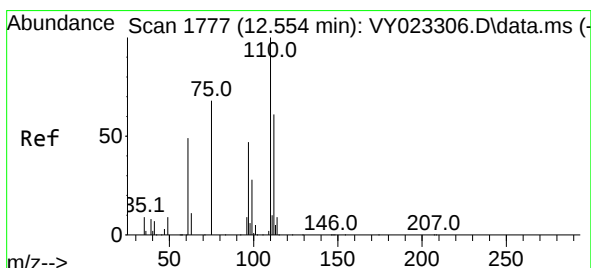
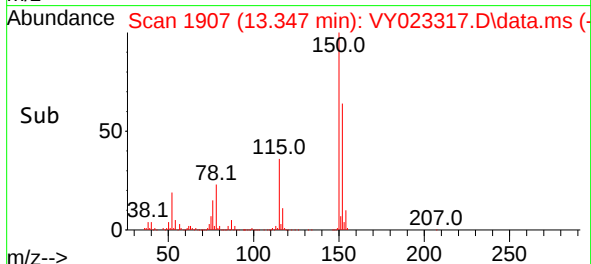
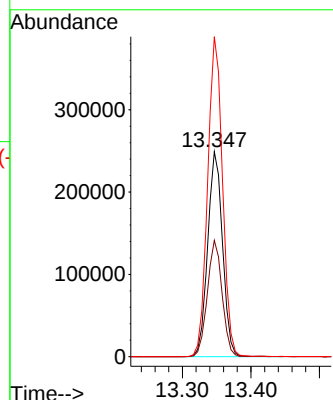
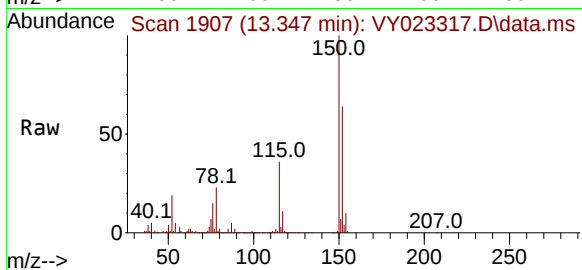
Tgt Ion:152 Resp: 375265

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 156.4 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 50.333 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023317.D

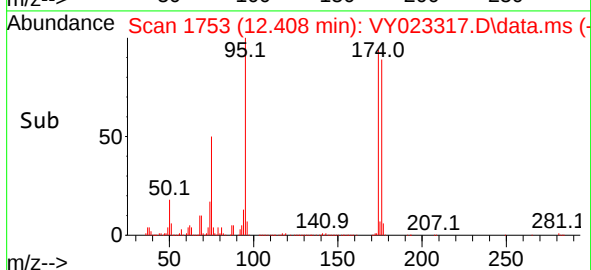
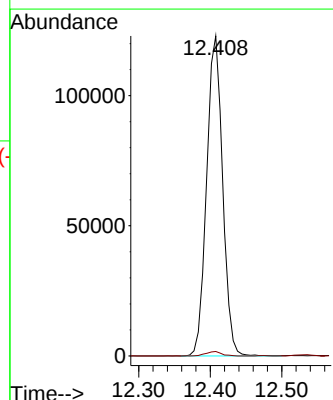
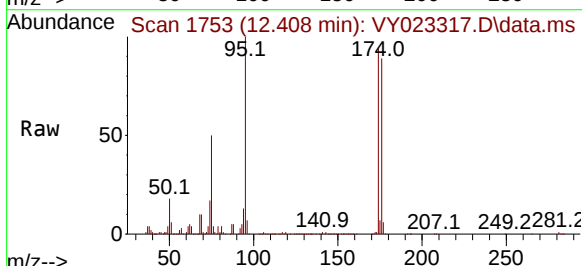
Acq: 09 Sep 2025 11:40

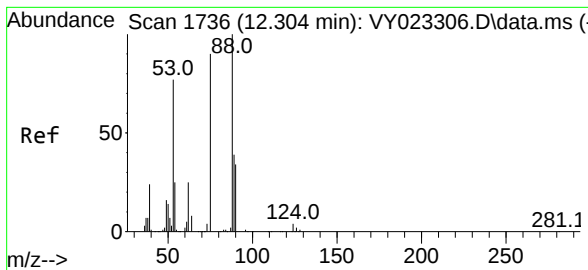
Tgt Ion: 75 Resp: 191279

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.263 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023317.D
 Acq: 09 Sep 2025 11:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-385-VOC

Tgt Ion: 75 Resp: 191279
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

