

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023196.D
 Acq On : 22 Aug 2025 16:35
 Operator : SY/MD
 Sample : Q2919-01
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-08202025

Quant Time: Aug 25 05:19:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

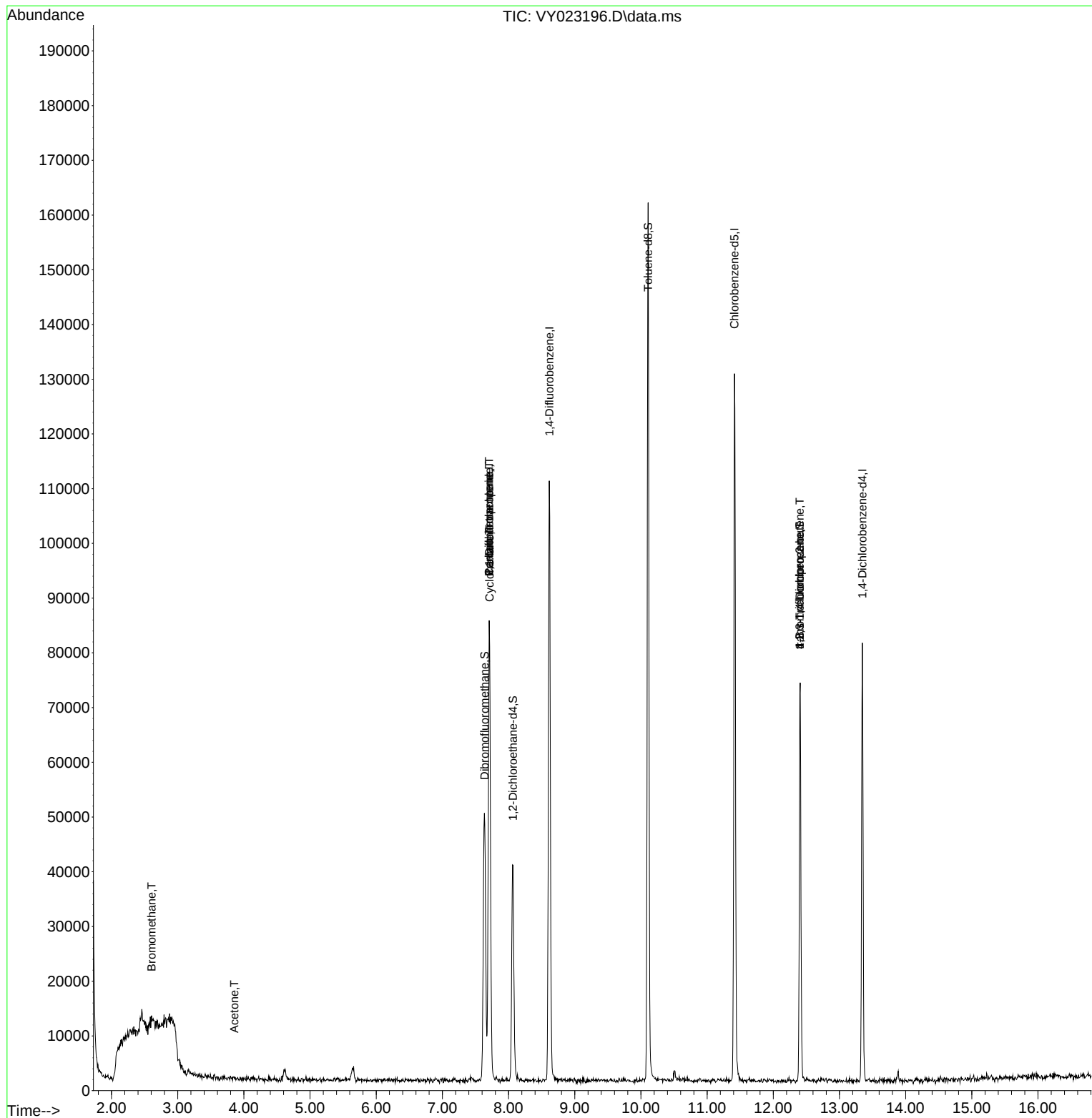
Internal Standards						
1) Pentafluorobenzene	7.707	168	66575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	95887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	74717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	20703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	31406	49.497	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.000%
35) Dibromofluoromethane	7.640	113	36367	63.384	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	126.760%
50) Toluene-d8	10.109	98	109629	48.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.401	95	22971	31.867	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.604	94	973	1.197	ug/l #	33
16) Acetone	3.854	43	159	1.157	ug/l #	41
20) Methylene Chloride	4.610	84	682	Below Cal	#	69
31) Cyclohexane	7.713	56	1496	1.266	ug/l #	42
36) 1,1-Dichloropropene	7.707	75	5320	6.239	ug/l #	49
38) Carbon Tetrachloride	7.707	117	6432	6.945	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	11853	59.323	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	11853	143.601	ug/l #	14

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

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OK-02-08202025

Quant Time: Aug 25 05:19:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

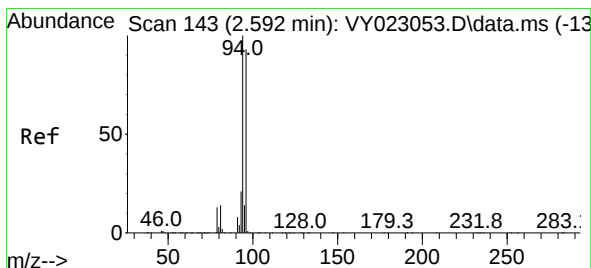
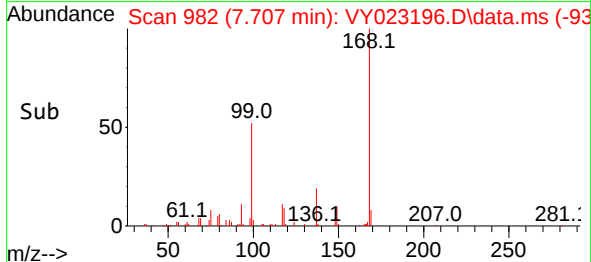
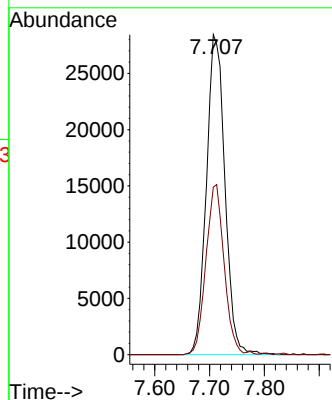
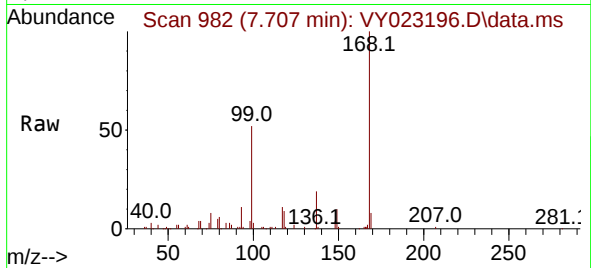




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

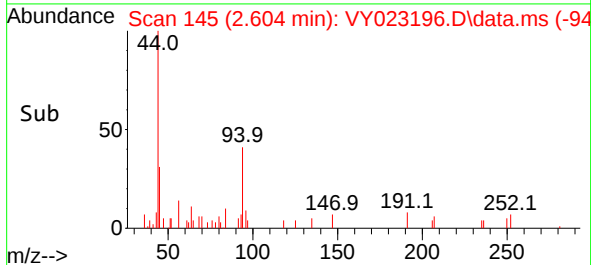
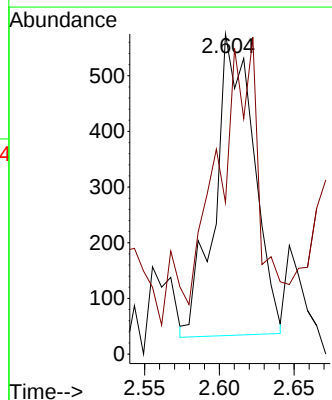
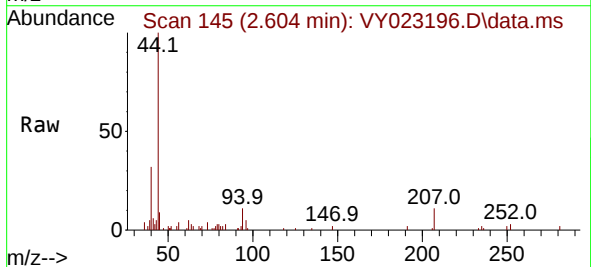
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

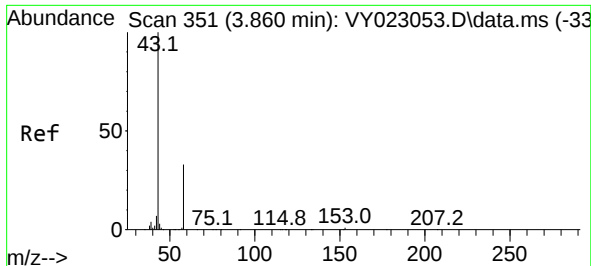
Tgt Ion:168 Resp: 66575
Ion Ratio Lower Upper
168 100
99 52.3 42.8 64.2



#5
Bromomethane
Concen: 1.197 ug/l
RT: 2.604 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion: 94 Resp: 973
Ion Ratio Lower Upper
94 100
96 28.8 74.6 112.0#





#16

Acetone

Concen: 1.157 ug/l

RT: 3.854 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY023196.D

Acq: 22 Aug 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

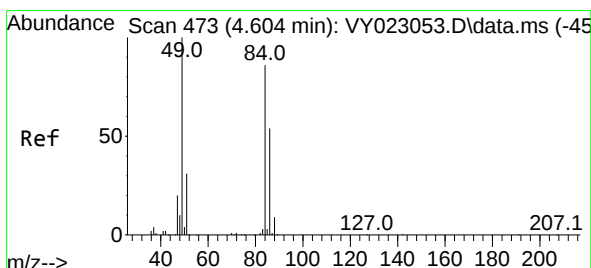
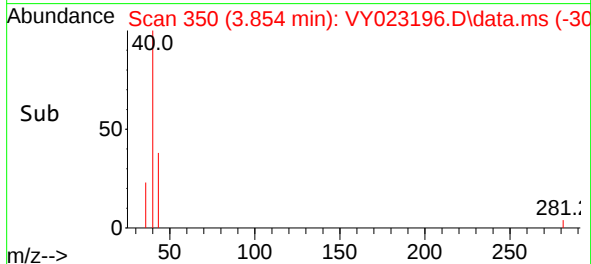
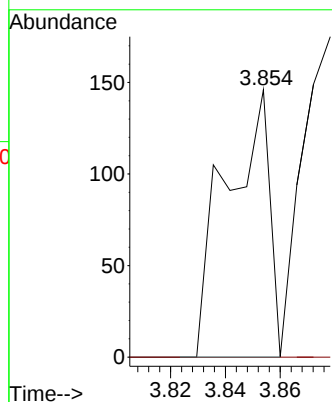
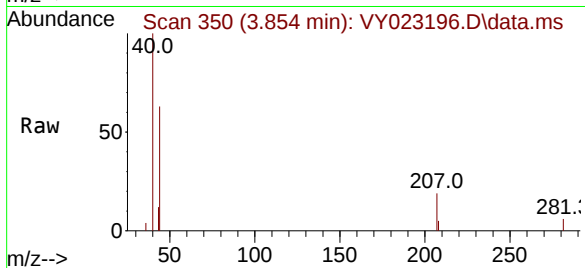
OK-02-08202025

Tgt Ion: 43 Resp: 159

Ion Ratio Lower Upper

43 100

58 0.0 27.1 40.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY023196.D

Acq: 22 Aug 2025 16:35

Tgt Ion: 84 Resp: 682

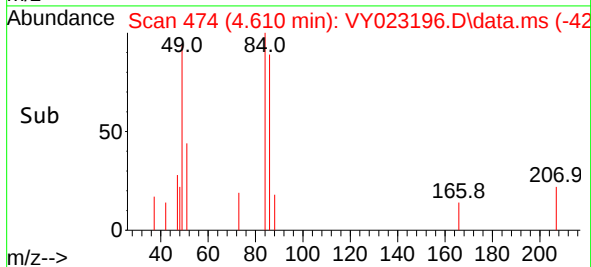
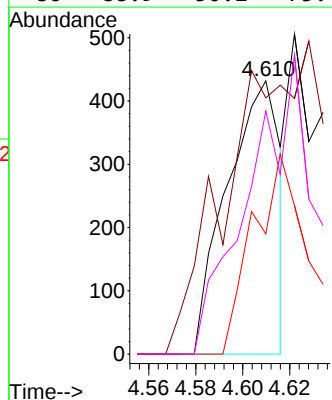
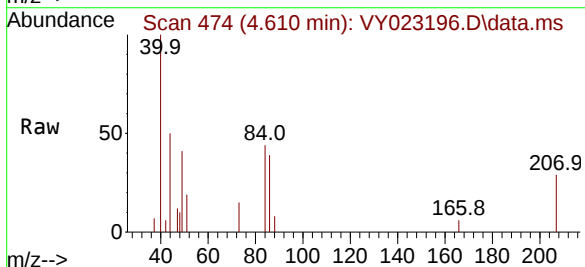
Ion Ratio Lower Upper

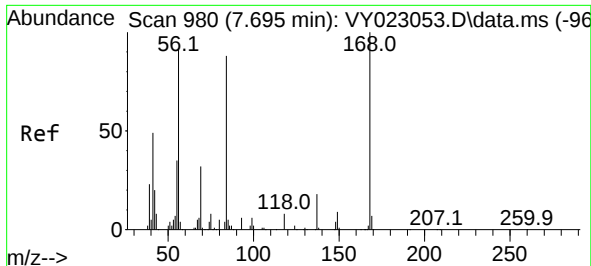
84 100

49 78.7 93.0 139.6#

51 44.0 29.0 43.4#

86 88.9 50.2 75.4#

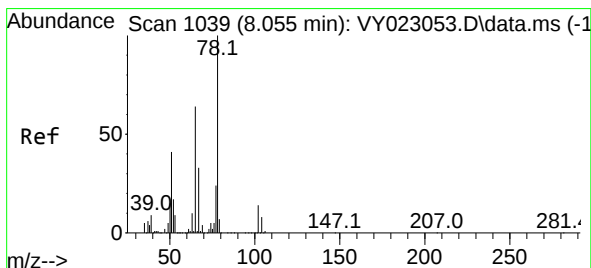
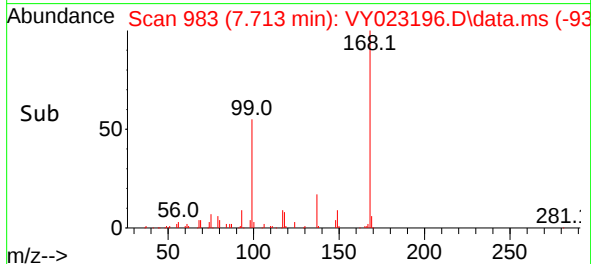
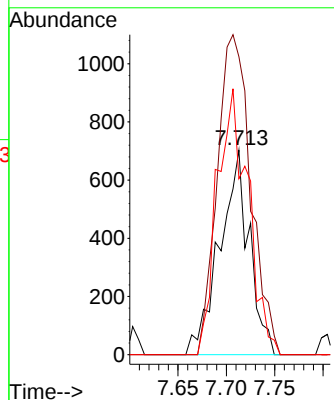
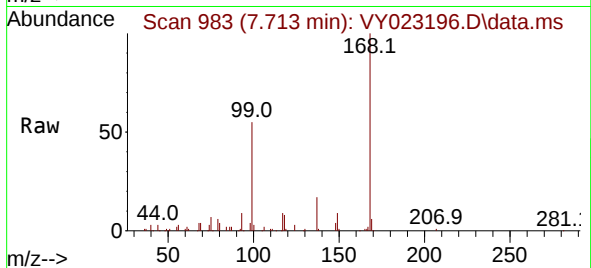




#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

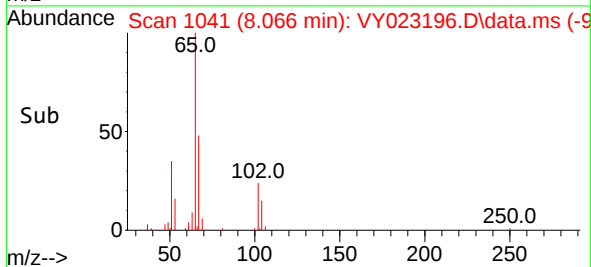
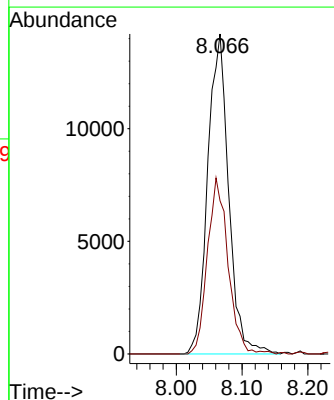
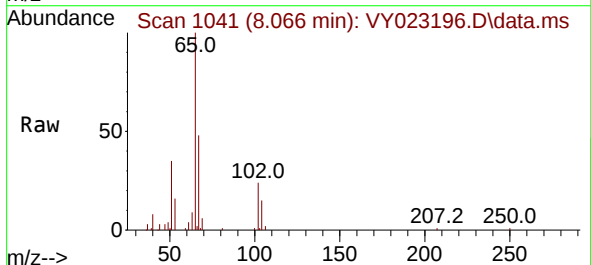
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

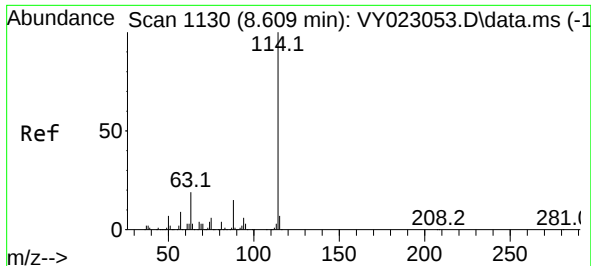
Tgt Ion: 56 Resp: 1496
Ion Ratio Lower Upper
56 100
69 145.7 28.2 42.2#
84 86.1 76.6 114.8



#33
1,2-Dichloroethane-d4
Concen: 49.497 ug/l
RT: 8.066 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion: 65 Resp: 31406
Ion Ratio Lower Upper
65 100
67 54.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY023196.D

Acq: 22 Aug 2025 16:35

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-08202025

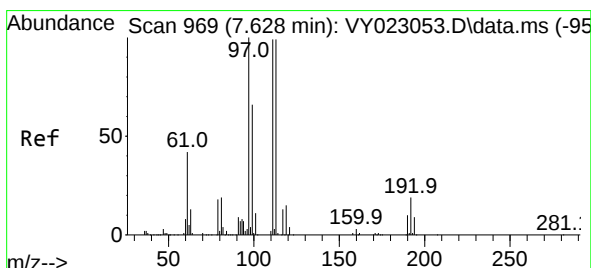
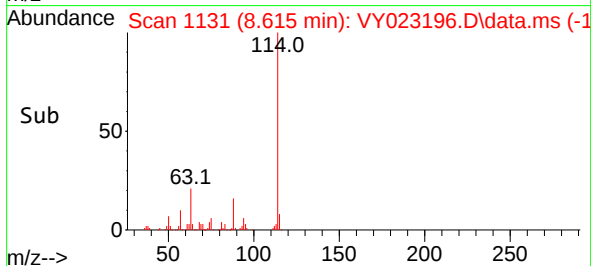
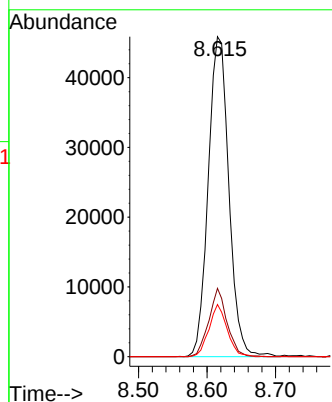
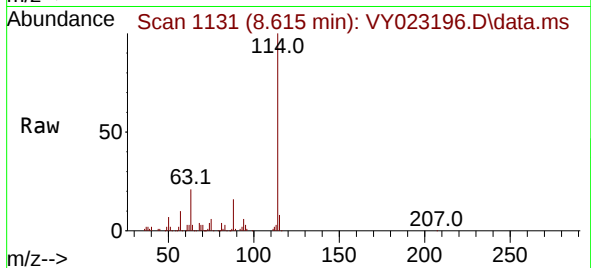
Tgt Ion:114 Resp: 95887

Ion Ratio Lower Upper

114 100

63 21.4 0.0 38.4

88 16.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 63.384 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023196.D

Acq: 22 Aug 2025 16:35

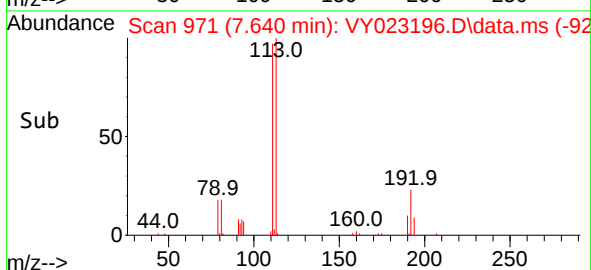
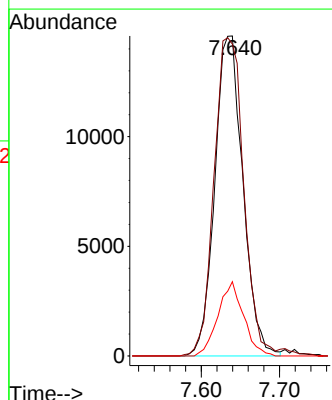
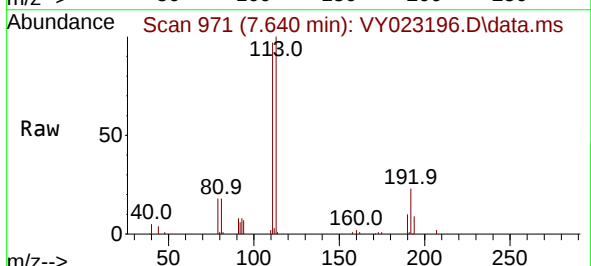
Tgt Ion:113 Resp: 36367

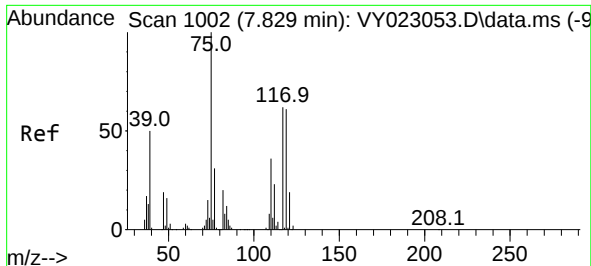
Ion Ratio Lower Upper

113 100

111 105.6 81.1 121.7

192 21.1 16.2 24.4

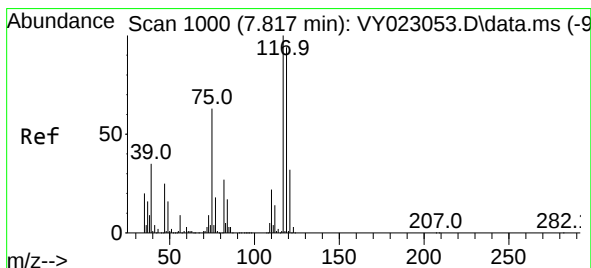
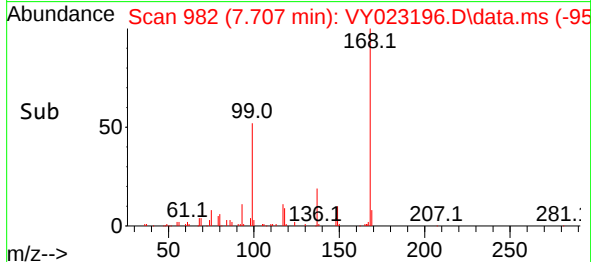
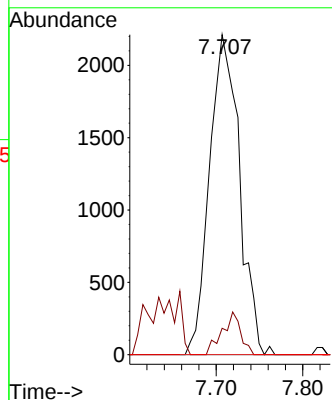
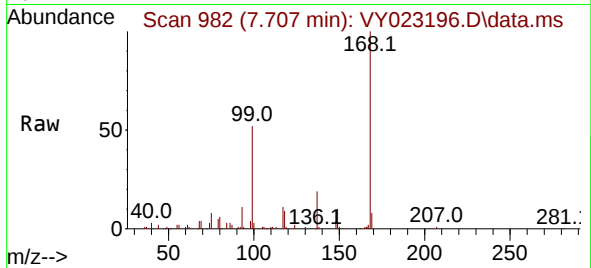




#36
1,1-Dichloropropene
Concen: 6.239 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

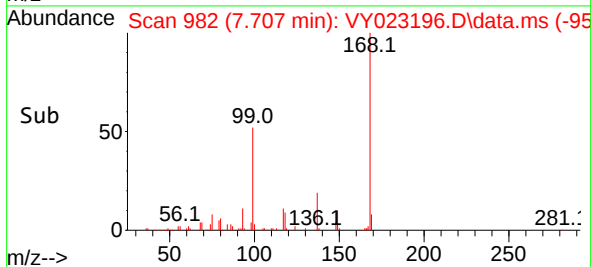
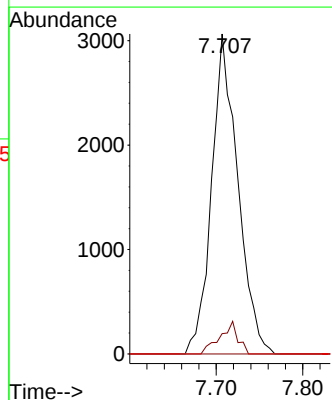
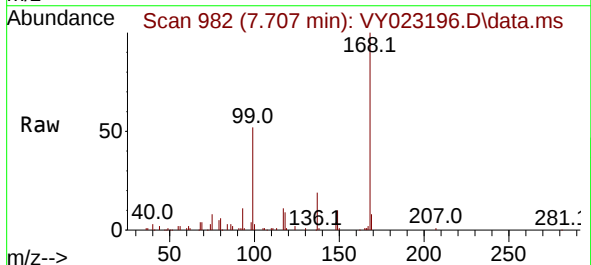
Instrument :
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ClientSampleId :
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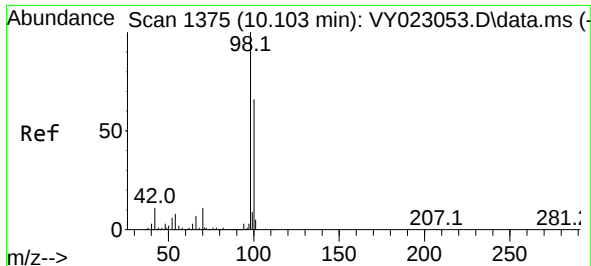
Tgt Ion: 75 Resp: 5320
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.945 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion: 117 Resp: 6432
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 25.8 38.8#

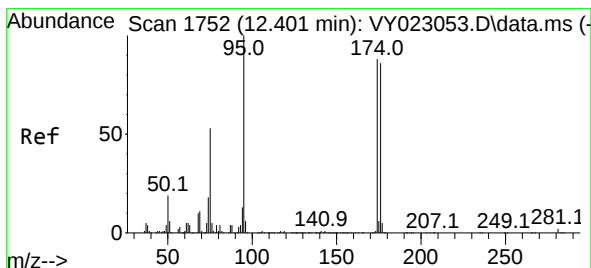
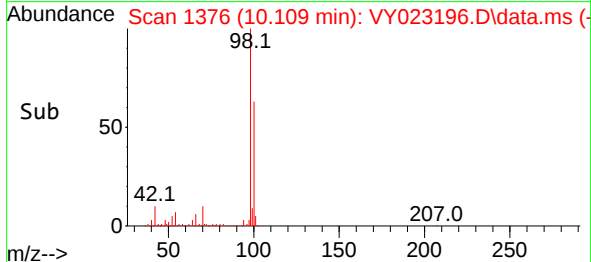
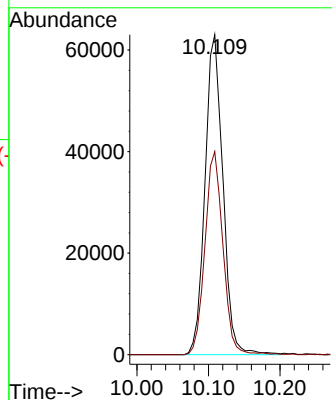
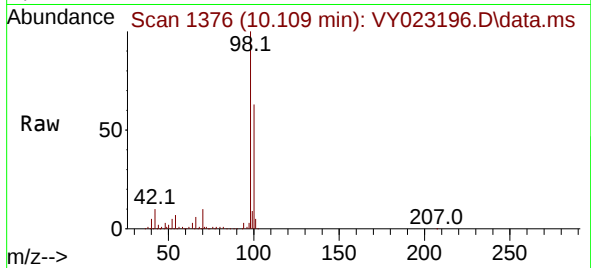




#50
Toluene-d8
Concen: 48.910 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

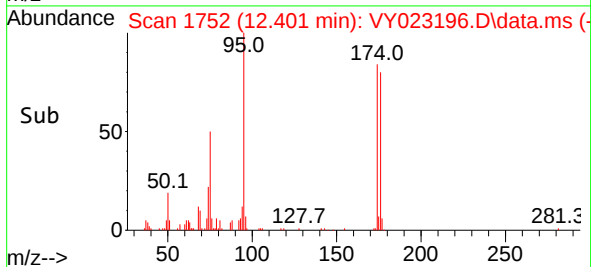
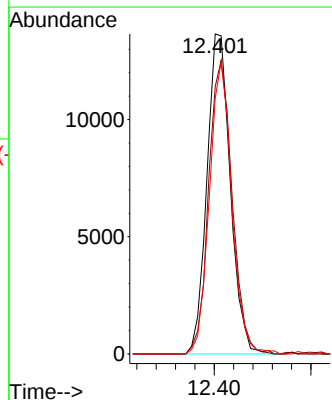
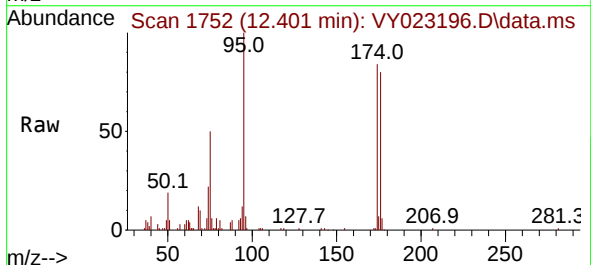
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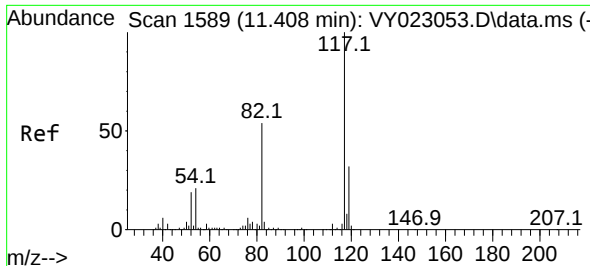
Tgt Ion: 98 Resp: 109629
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 31.867 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion: 95 Resp: 22971
Ion Ratio Lower Upper
95 100
174 91.9 0.0 171.6
176 87.3 0.0 167.6

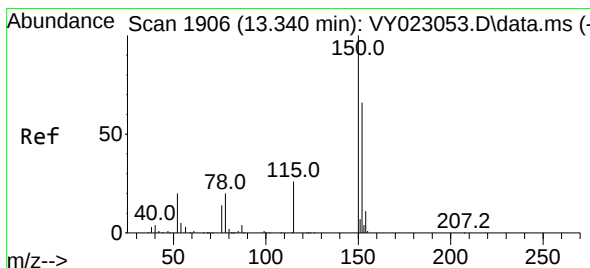
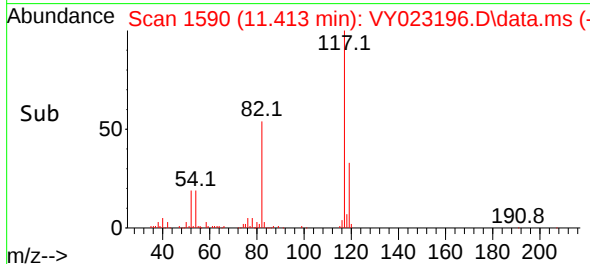
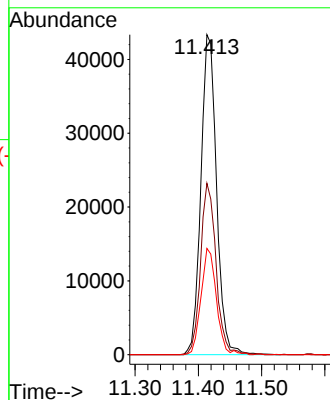
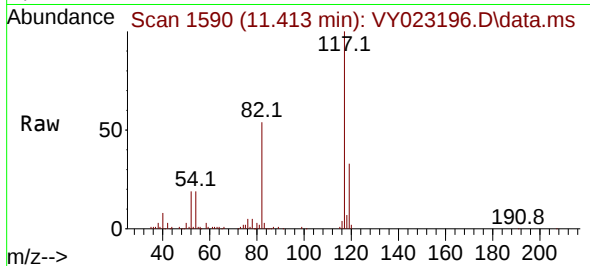




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

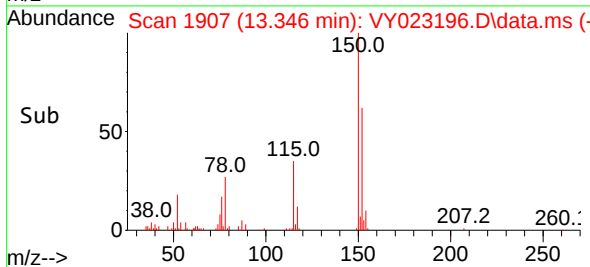
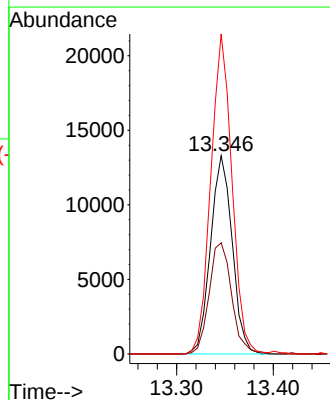
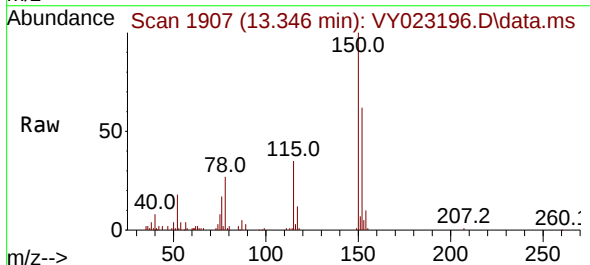
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

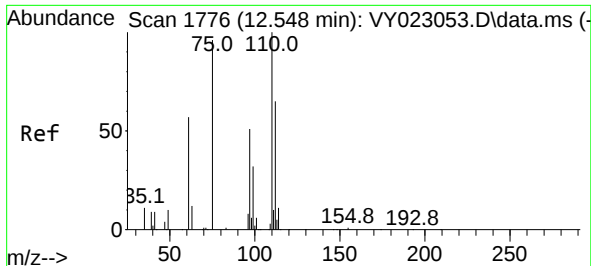
Tgt Ion:	117	Resp:	74717
Ion Ratio	Lower	Upper	
117	100		
82	53.6	43.4	65.0
119	33.2	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion:	152	Resp:	20703
Ion Ratio	Lower	Upper	
152	100		
115	58.0	28.2	84.6
150	157.1	0.0	348.0

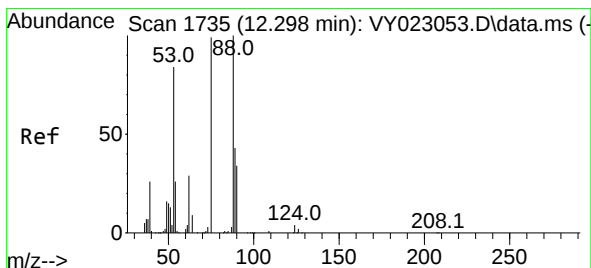
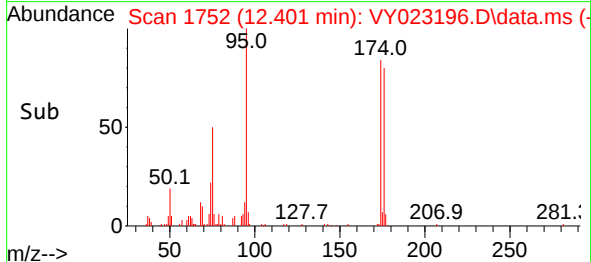
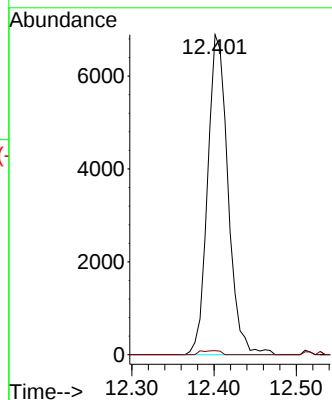
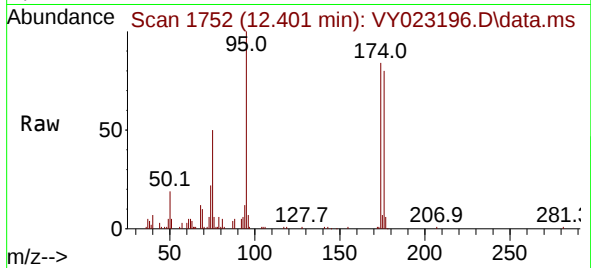




#76
1,2,3-Trichloropropane
Concen: 59.323 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.147 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Instrument :
MSVOA_Y
ClientSampleId :
OK-02-08202025

Tgt Ion: 75 Resp: 11853
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.601 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023196.D
Acq: 22 Aug 2025 16:35

Tgt Ion: 75 Resp: 11853
Ion Ratio Lower Upper
75 100
53 0.2 70.8 106.2#
89 0.2 38.1 57.1#

