

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023138.D
 Acq On : 19 Aug 2025 09:49
 Operator : SY/MD
 Sample : VY0819SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0819SBL01

Quant Time: Aug 20 01:24:06 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)

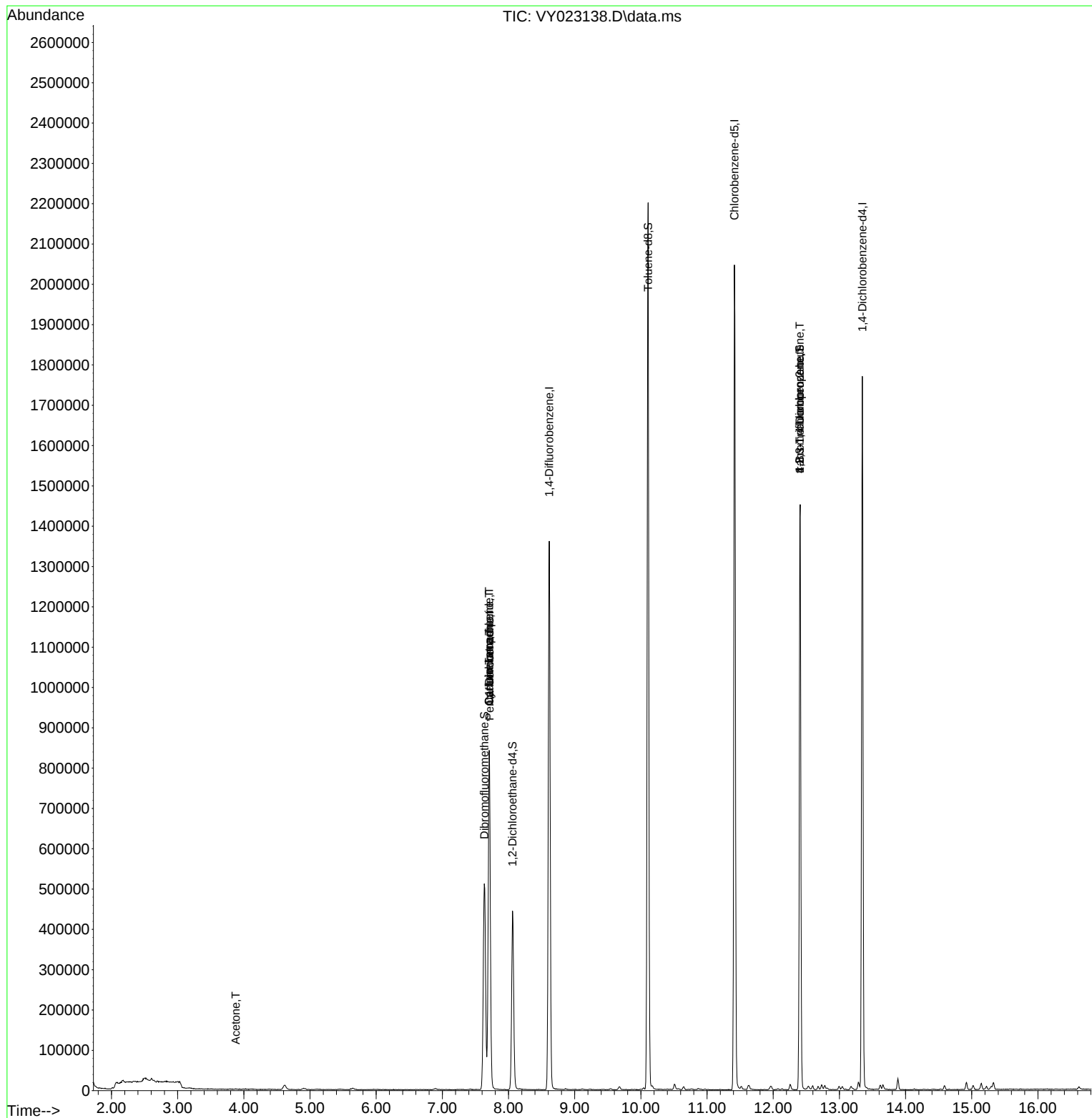
Internal Standards						
1) Pentafluorobenzene	7.713	168	658468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1194271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1104701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	444569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	335313	53.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.860%	
35) Dibromofluoromethane	7.634	113	374747	52.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.109	98	1432079	51.298	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	12.402	95	444143	49.470	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.940%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1373	1.010	ug/l #	75
20) Methylene Chloride	4.622	84	7947	Below Cal	#	83
31) Cyclohexane	7.707	56	13969	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	48822	4.597	ug/l #	50
38) Carbon Tetrachloride	7.707	117	63044	5.466	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	231726	54.008	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	231726	130.737	ug/l #	14

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

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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

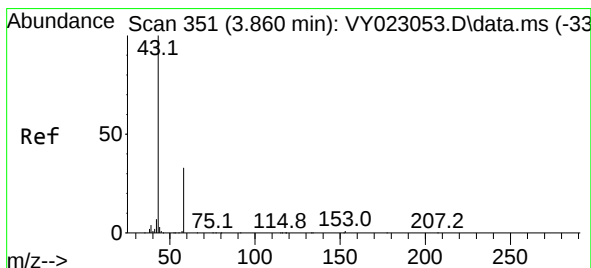
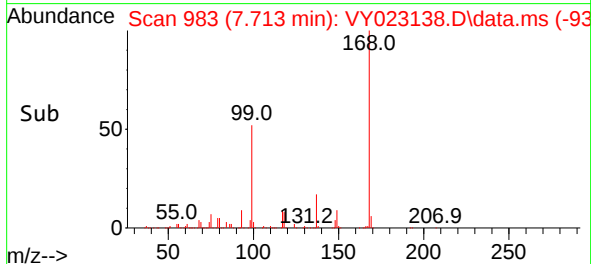
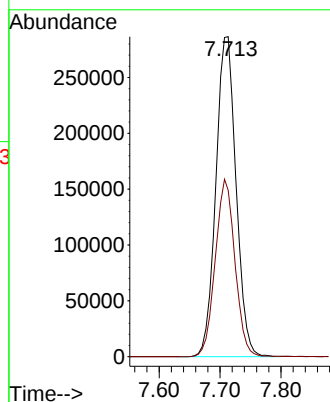
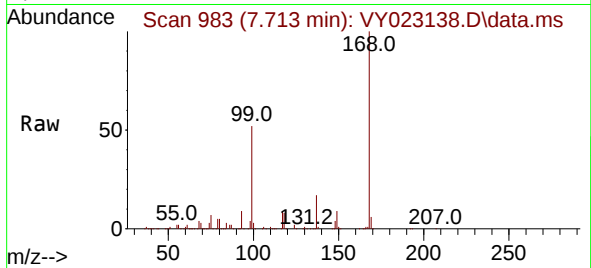




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

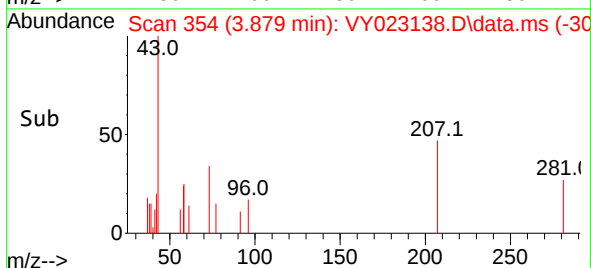
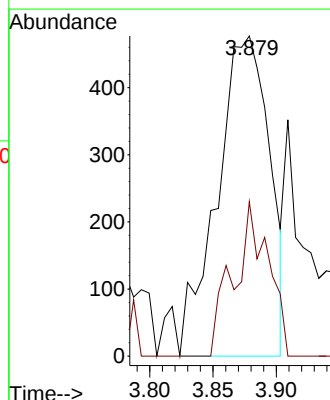
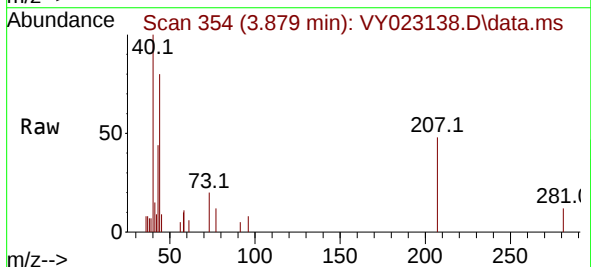
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

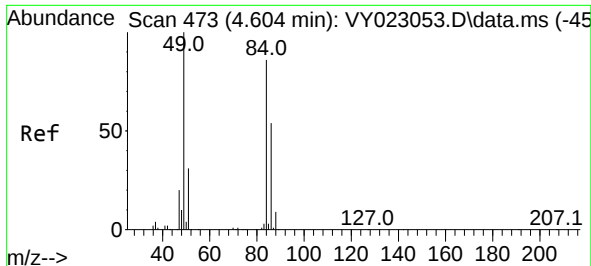
Tgt Ion:168 Resp: 658468
Ion Ratio Lower Upper
168 100
99 52.0 42.8 64.2



#16
Acetone
Concen: 1.010 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
58 48.2 27.1 40.7#

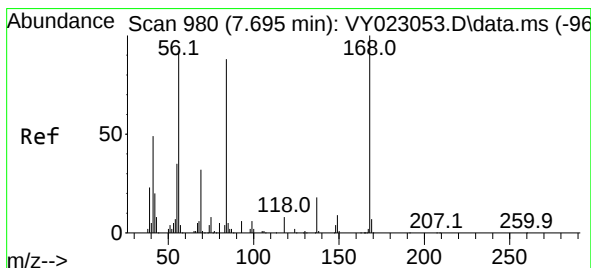
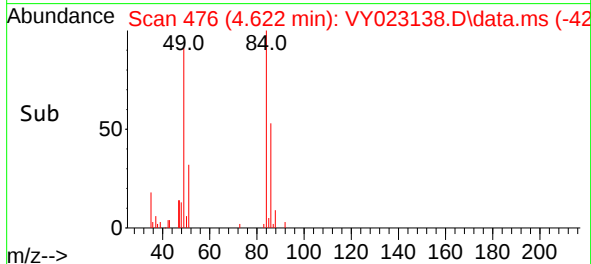
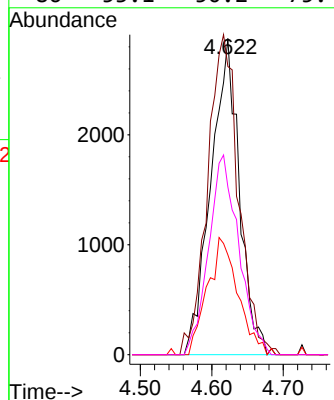
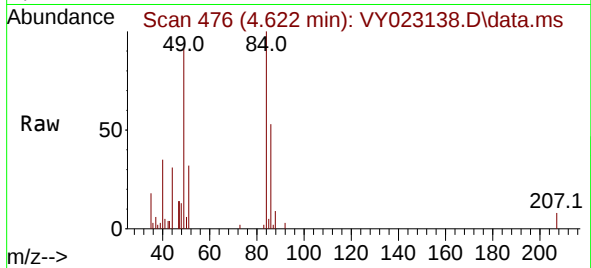




#20
Methylene Chloride
Concen: Below Cal
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

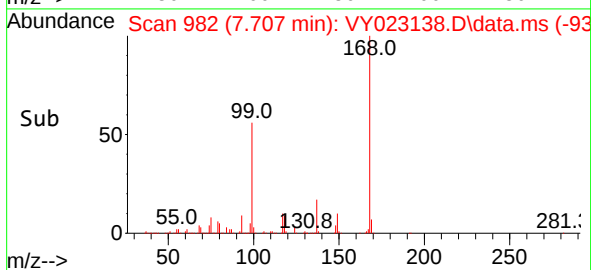
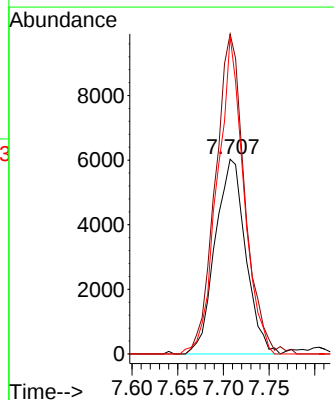
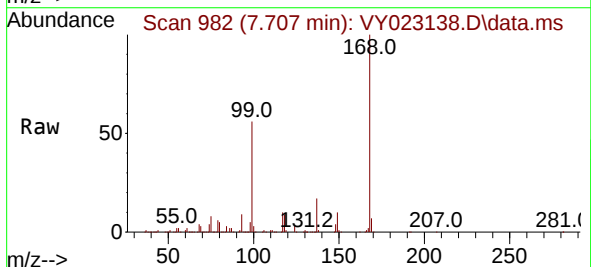
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Tgt Ion:	84	Resp:	7947
Ion	Ratio	Lower	Upper
84	100		
49	91.2	93.0	139.6#
51	31.6	29.0	43.4
86	53.1	50.2	75.4



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion:	56	Resp:	13969
Ion	Ratio	Lower	Upper
56	100		
69	164.3	28.2	42.2#
84	163.1	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 53.431 ug/l

RT: 8.061 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY023138.D

Acq: 19 Aug 2025 09:49

Instrument :

MSVOA_Y

ClientSampleId :

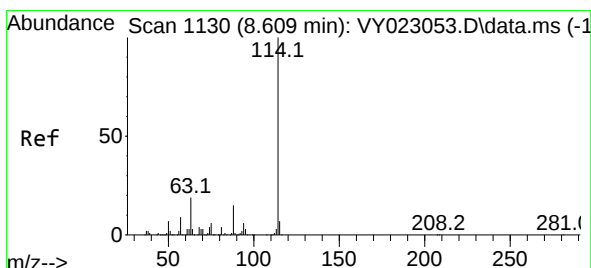
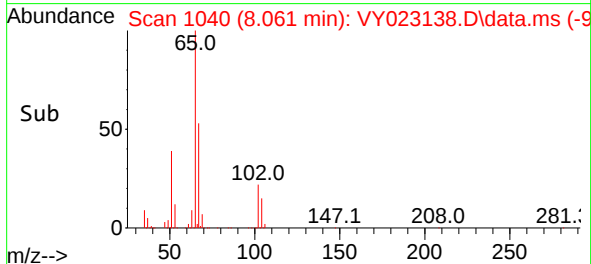
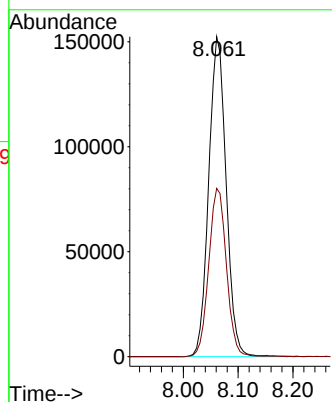
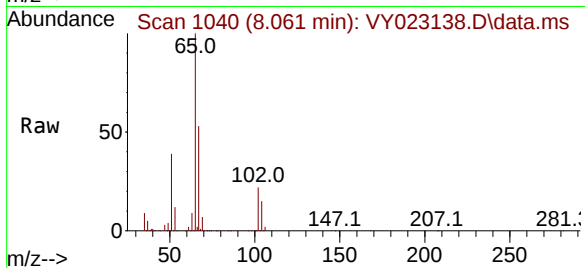
VY0819SBL01

Tgt Ion: 65 Resp: 335313

Ion Ratio Lower Upper

65 100

67 53.6 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: VY023138.D

Acq: 19 Aug 2025 09:49

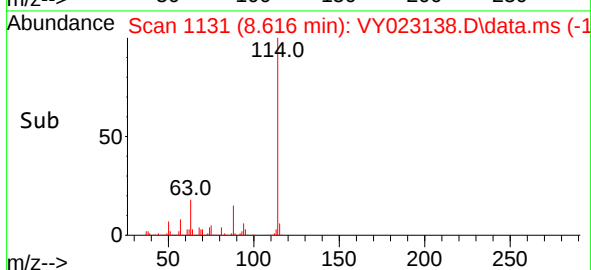
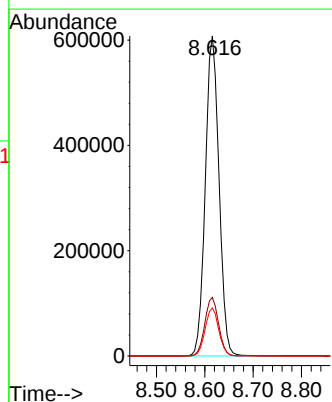
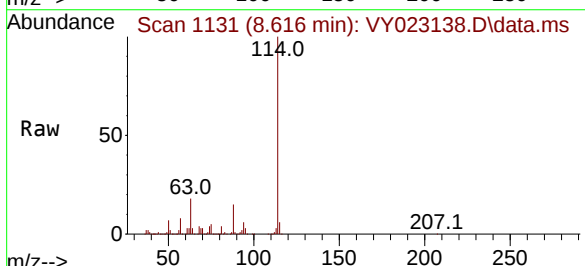
Tgt Ion: 114 Resp: 1194271

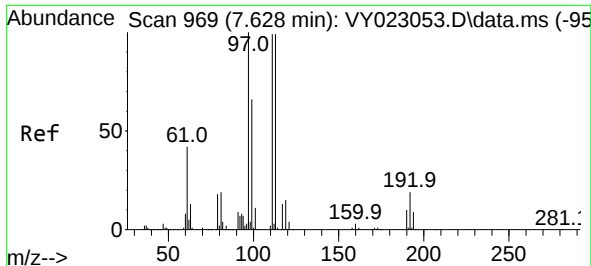
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.0 0.0 30.0

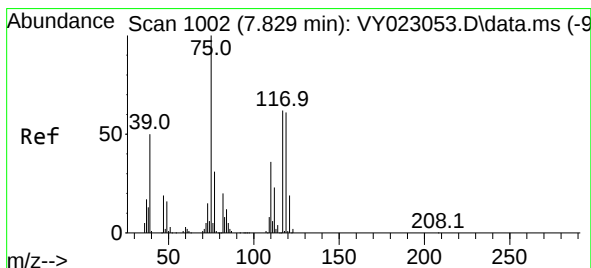
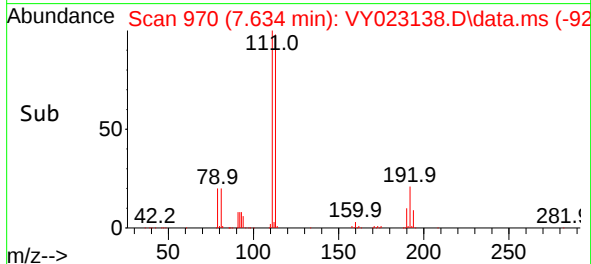
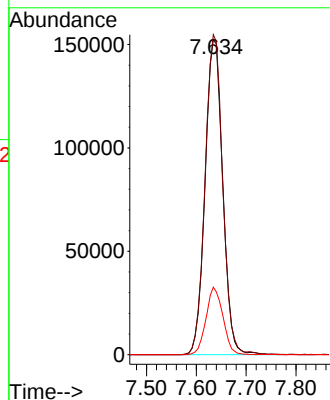
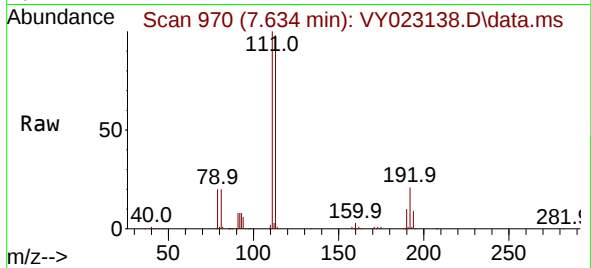




#35
Dibromofluoromethane
Concen: 52.441 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

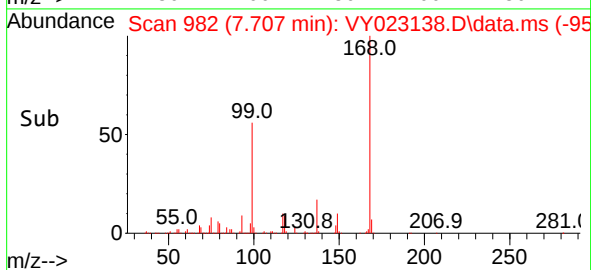
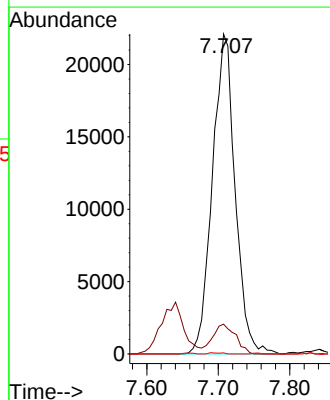
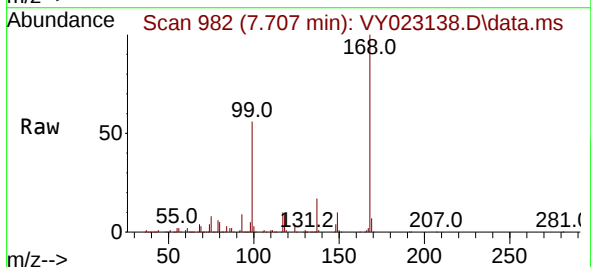
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

Tgt Ion:113 Resp: 374747
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 20.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 75 Resp: 48822
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.2 24.6 37.0#

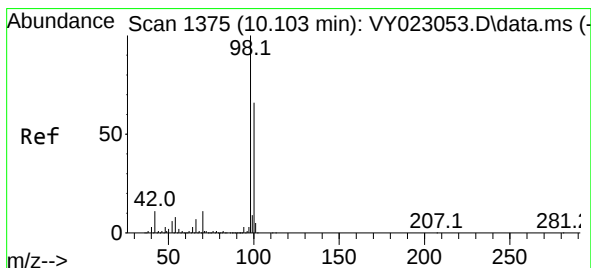
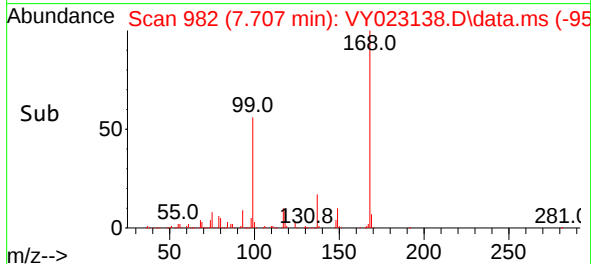
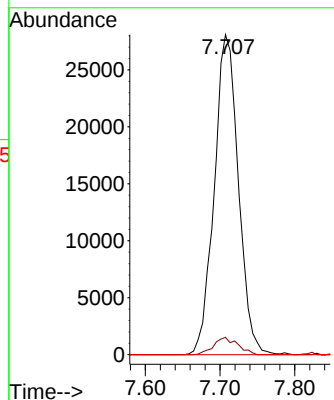
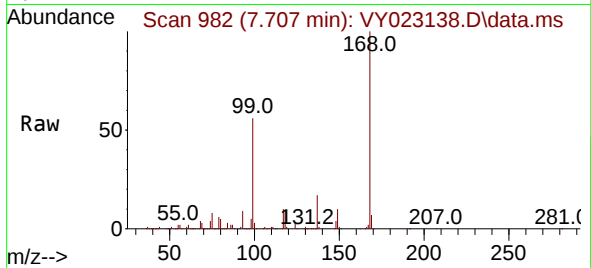




#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

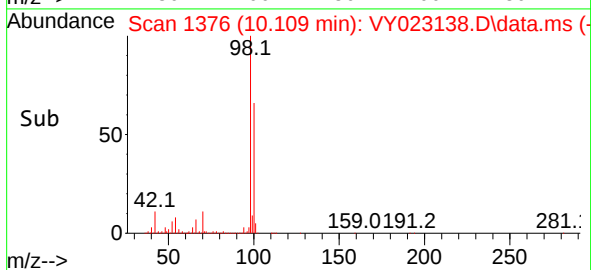
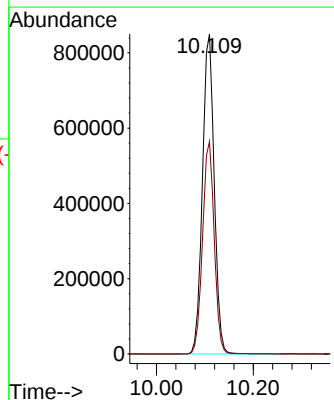
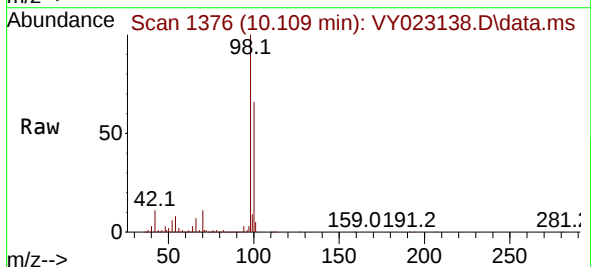
Instrument :
MSVOA_Y
ClientSampleId :
VY0819SBL01

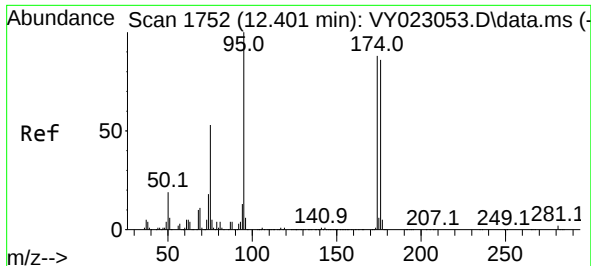
Tgt Ion:117 Resp: 63044
Ion Ratio Lower Upper
117 100
119 5.4 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.298 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 98 Resp: 1432079
Ion Ratio Lower Upper
98 100
100 66.1 52.3 78.5

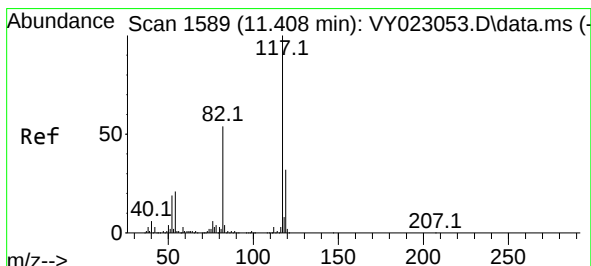
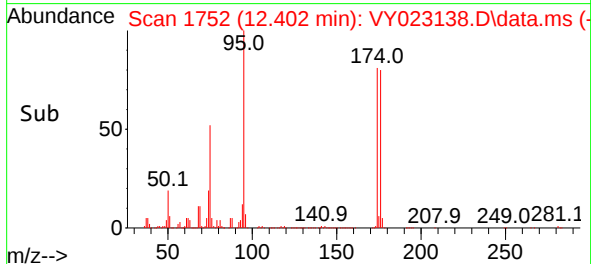
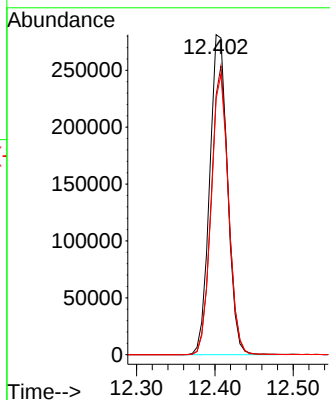
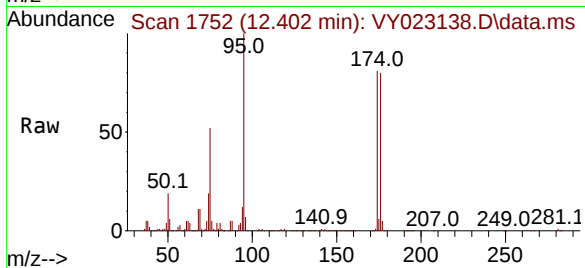




#62
4-Bromofluorobenzene
Concen: 49.470 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

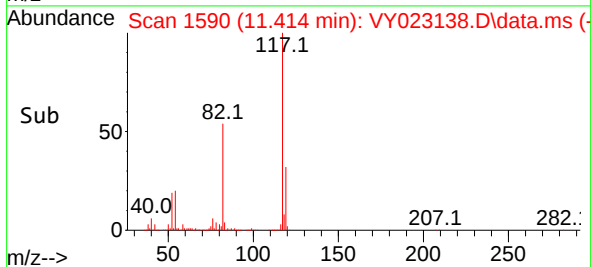
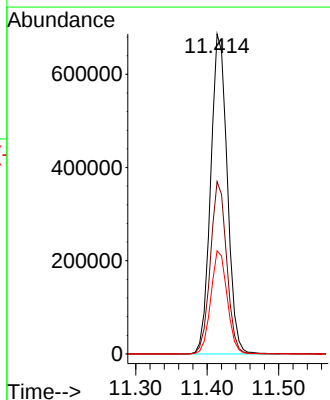
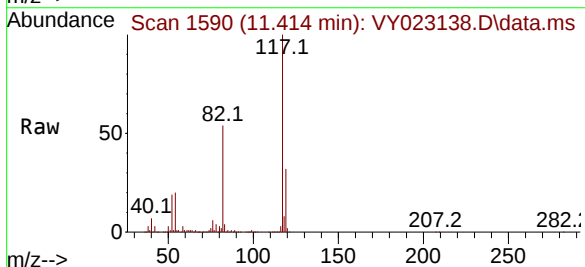
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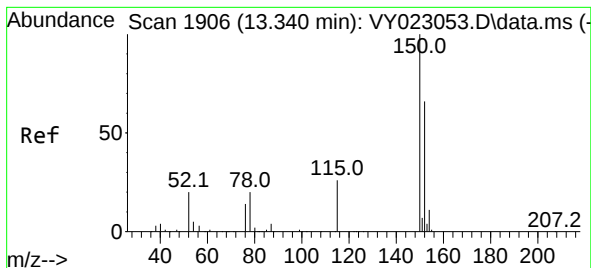
Tgt Ion: 95 Resp: 444143
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 85.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023138.D
Acq: 19 Aug 2025 09:49

Tgt Ion: 117 Resp: 1104701
Ion Ratio Lower Upper
117 100
82 53.8 43.4 65.0
119 32.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023138.D

Acq: 19 Aug 2025 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBL01

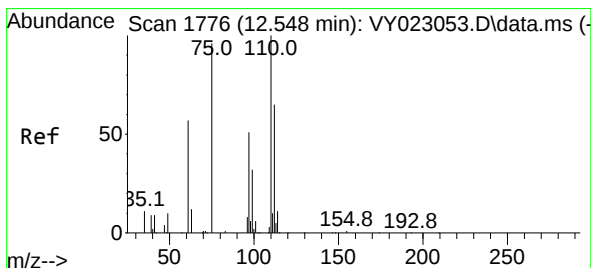
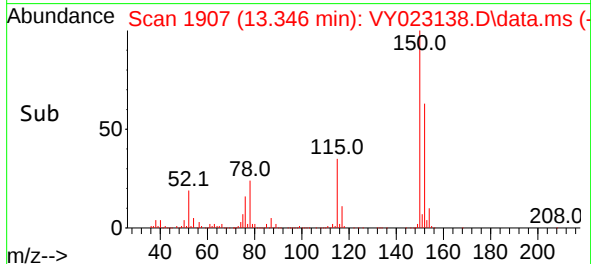
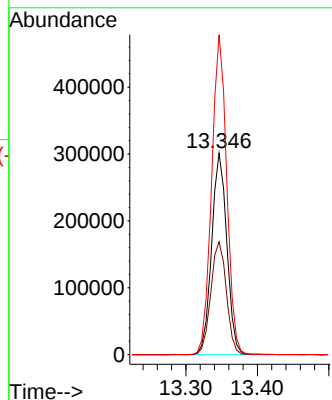
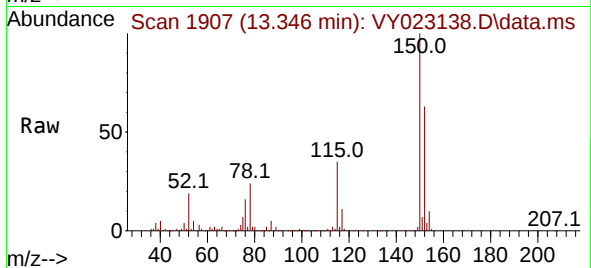
Tgt Ion:152 Resp: 444569

Ion Ratio Lower Upper

152 100

115 57.6 28.2 84.6

150 157.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 54.008 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023138.D

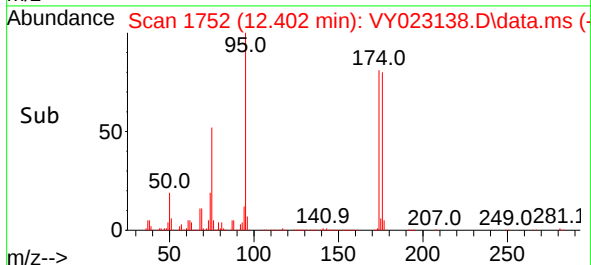
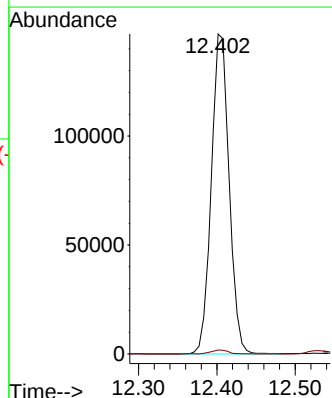
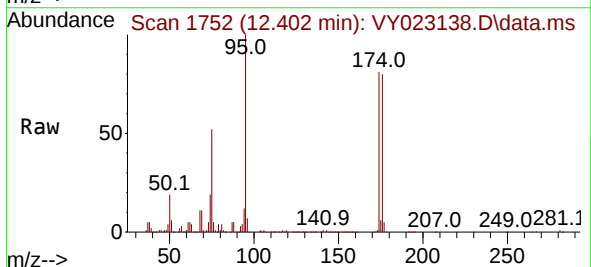
Acq: 19 Aug 2025 09:49

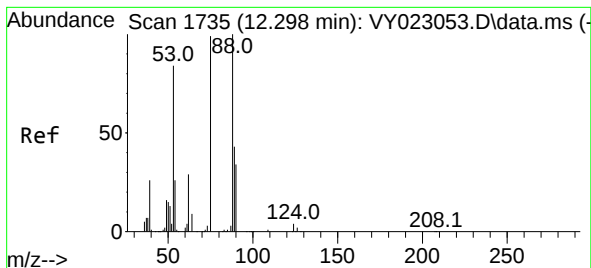
Tgt Ion: 75 Resp: 231726

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 130.737 ug/l

RT: 12.402 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY023138.D

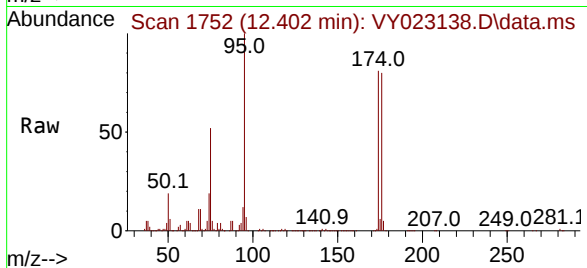
Acq: 19 Aug 2025 09:49

Instrument :

MSVOA_Y

ClientSampleId :

VY0819SBL01



Tgt Ion: 75 Resp: 231726

Ion Ratio Lower Upper

75 100

53 0.1 70.8 106.2#

89 0.0 38.1 57.1#

