

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023634.D
 Acq On : 30 Oct 2025 15:47
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:42:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

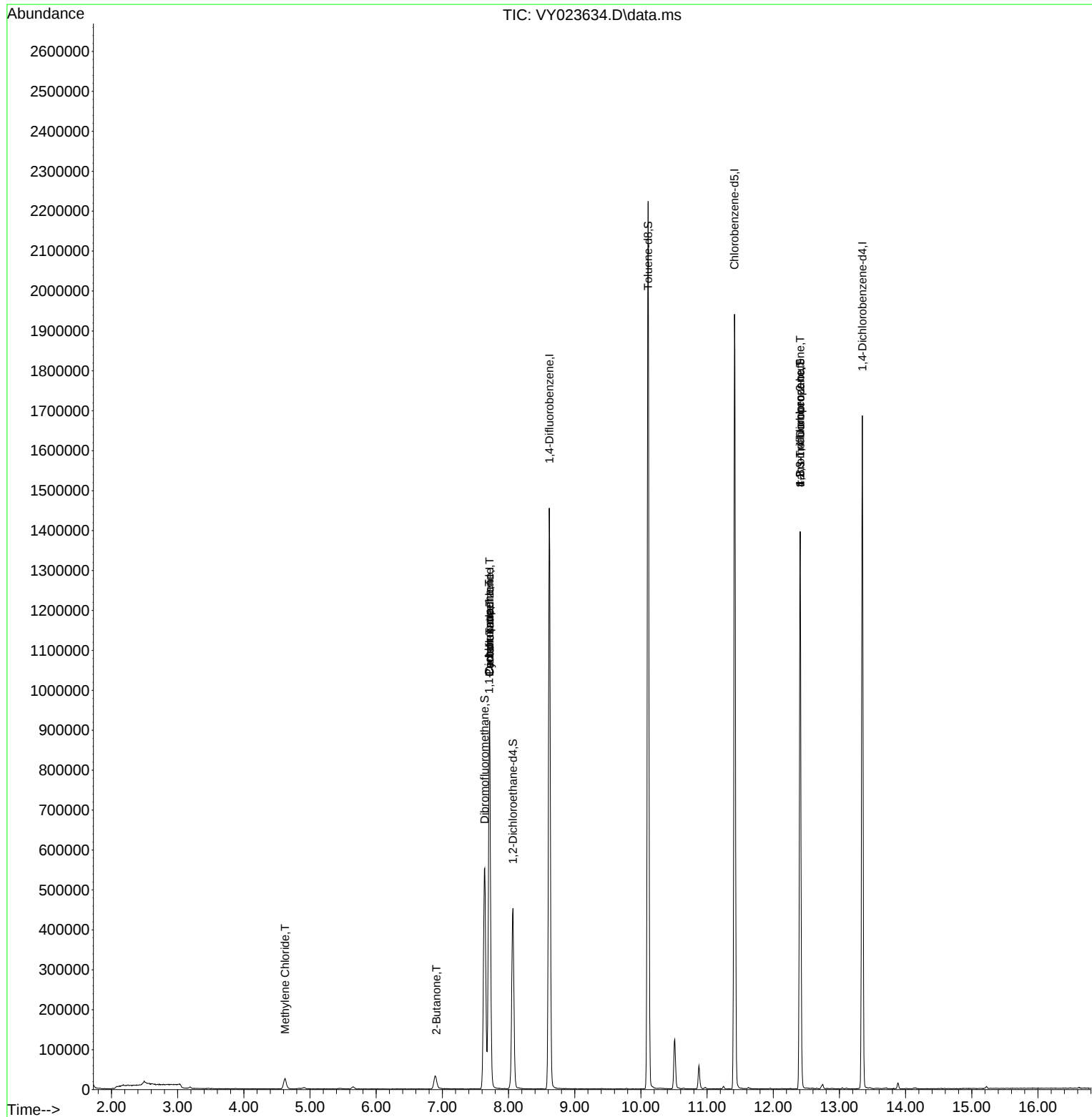
Internal Standards						
1) Pentafluorobenzene	7.713	168	763213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1312069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1091905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	444669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	352033	55.159	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.320%			
35) Dibromofluoromethane	7.640	113	406149	50.378	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.760%			
50) Toluene-d8	10.109	98	1462939	48.726	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.460%			
62) 4-Bromofluorobenzene	12.408	95	415136	41.881	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.760%			
Target Compounds						Qvalue
20) Methylene Chloride	4.622	84	20111	2.448	ug/l	98
25) 2-Butanone	6.909	43	1923	1.037	ug/l #	40
31) Cyclohexane	7.713	56	12804	1.206	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	50299	4.713	ug/l #	48
38) Carbon Tetrachloride	7.713	117	70080	5.415	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	201353	51.324	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	201353	125.856	ug/l #	15

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

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QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

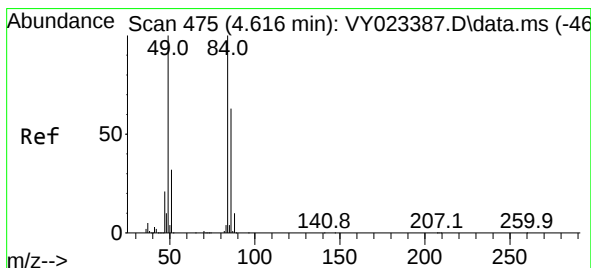
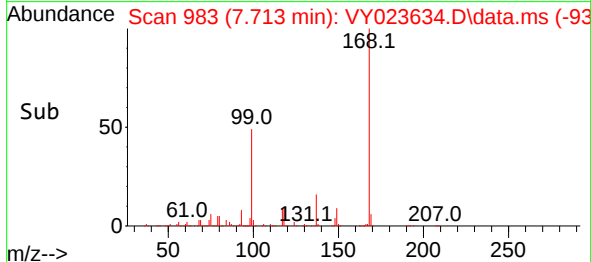
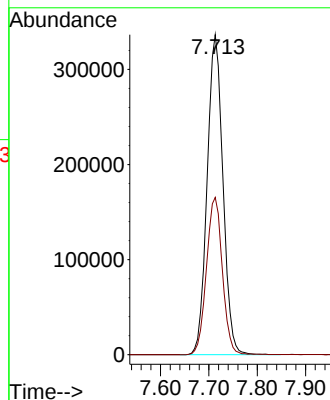
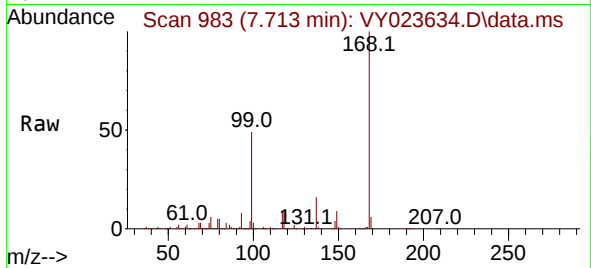




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

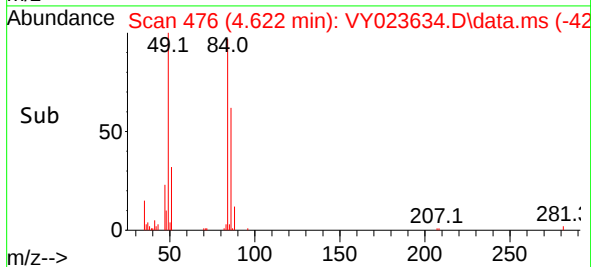
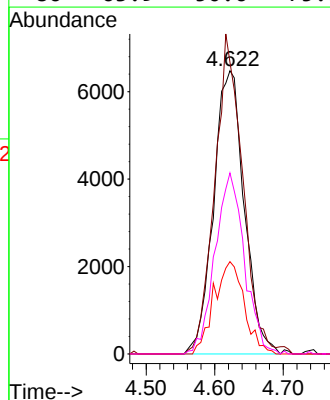
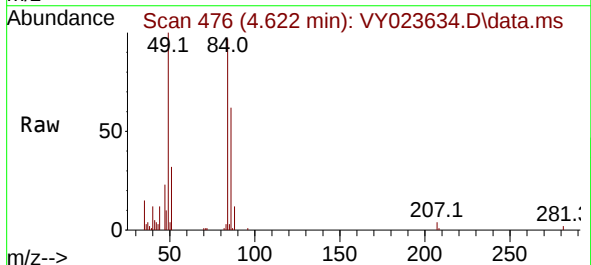
Instrument :
MSVOA_Y
ClientSampleId :

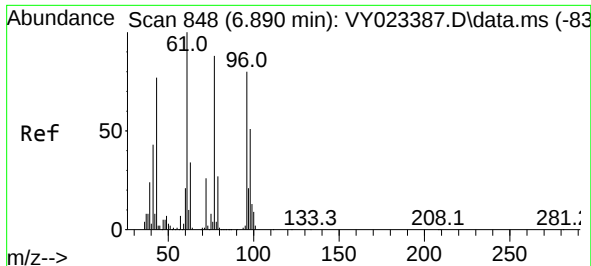
Tgt Ion:168 Resp: 763213
Ion Ratio Lower Upper
168 100
99 49.1 39.7 59.5



#20
Methylene Chloride
Concen: 2.448 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

Tgt Ion: 84 Resp: 20111
Ion Ratio Lower Upper
84 100
49 103.0 80.2 120.4
51 32.6 25.9 38.9
86 63.9 50.6 75.8





#25

2-Butanone

Concen: 1.037 ug/l

RT: 6.909 min Scan# 8

Delta R.T. 0.018 min

Lab File: VY023634.D

Acq: 30 Oct 2025 15:47

Instrument :

MSVOA_Y

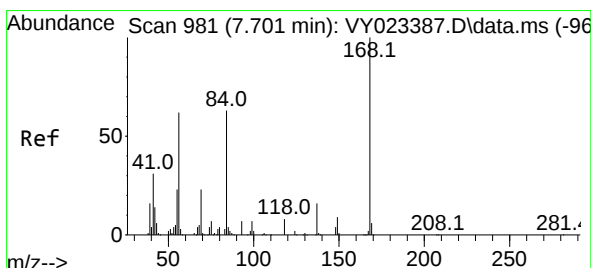
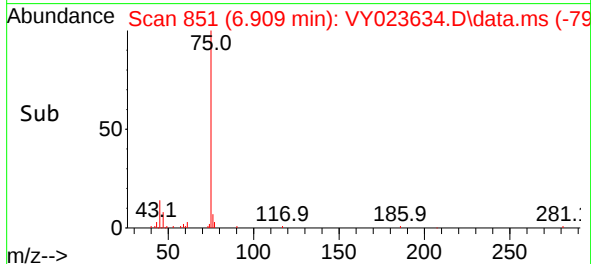
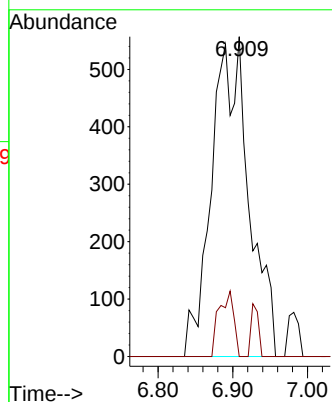
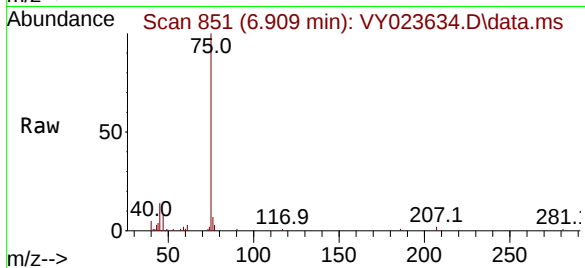
ClientSampleId :

Tgt Ion: 43 Resp: 1923

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.713 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY023634.D

Acq: 30 Oct 2025 15:47

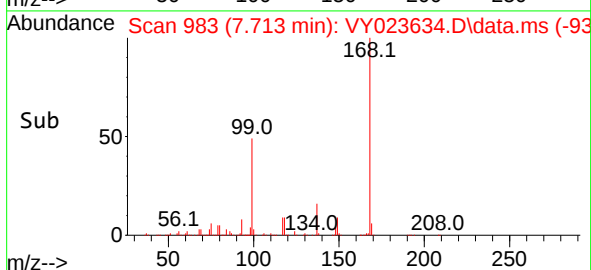
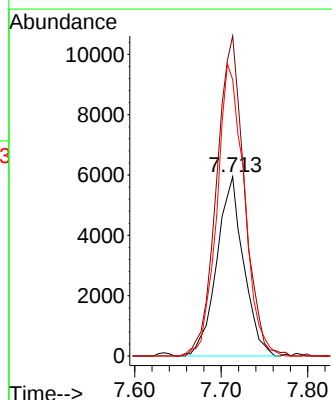
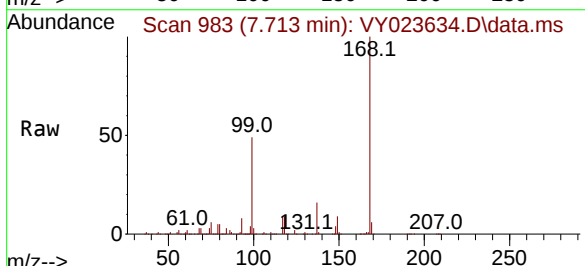
Tgt Ion: 56 Resp: 12804

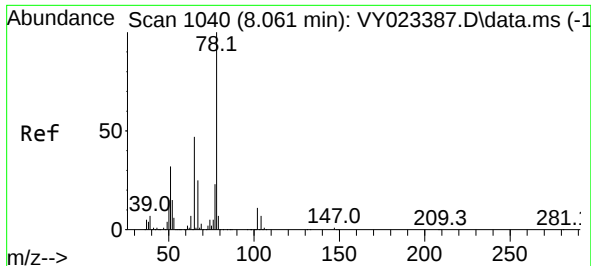
Ion Ratio Lower Upper

56 100

69 178.6 30.0 45.0#

84 154.2 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 55.159 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023634.D

Acq: 30 Oct 2025 15:47

Instrument :

MSVOA_Y

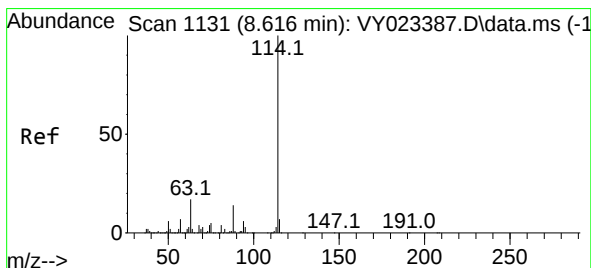
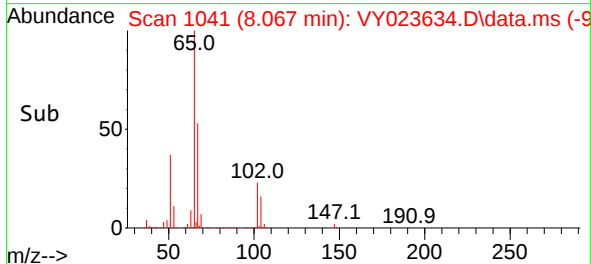
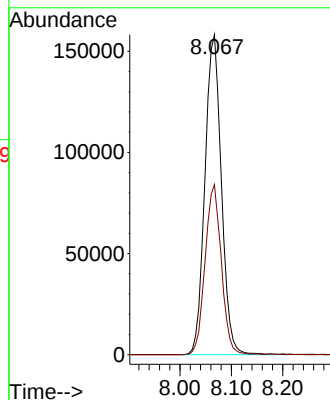
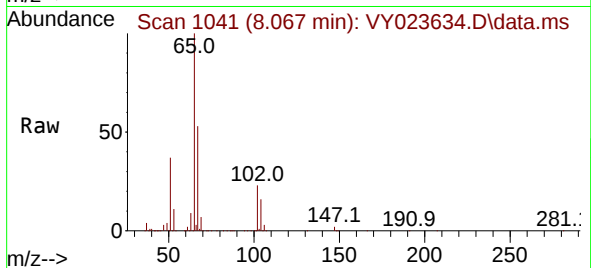
ClientSampleId :

Tgt Ion: 65 Resp: 352033

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023634.D

Acq: 30 Oct 2025 15:47

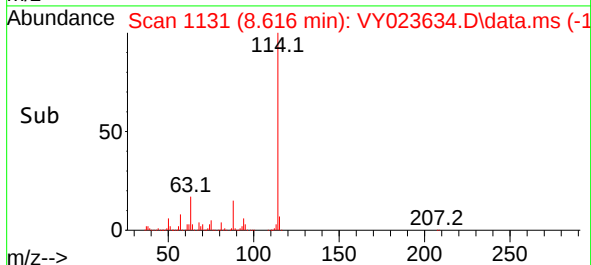
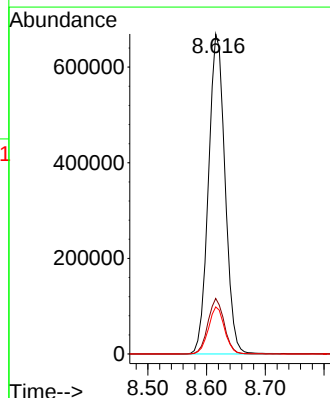
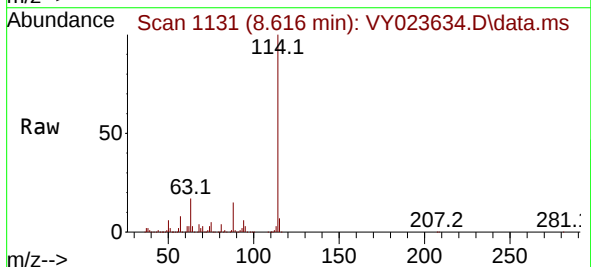
Tgt Ion:114 Resp: 1312069

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.7 0.0 28.4

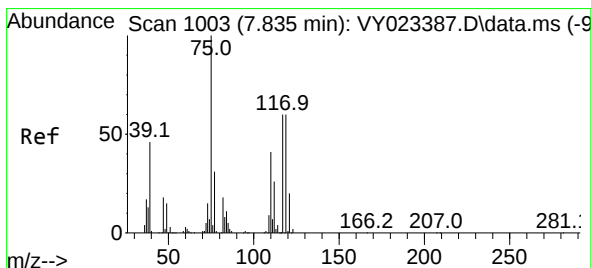
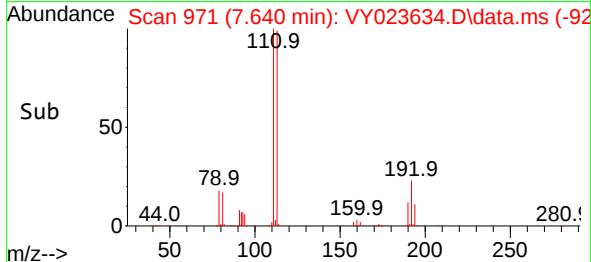
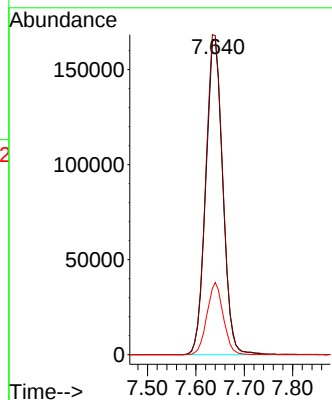
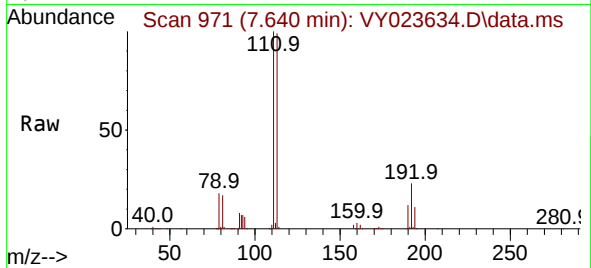




#35
Dibromofluoromethane
Concen: 50.378 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

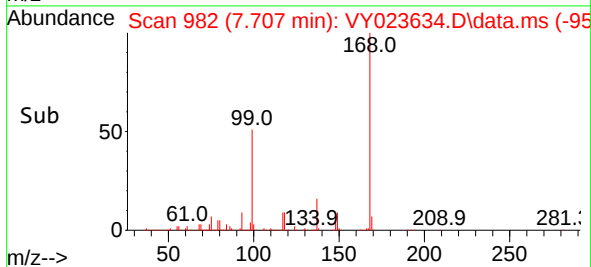
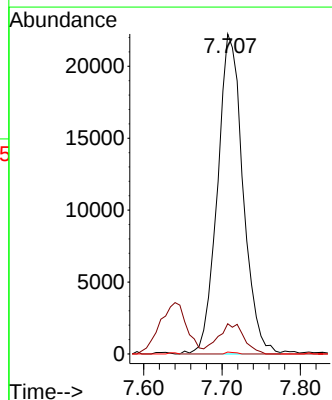
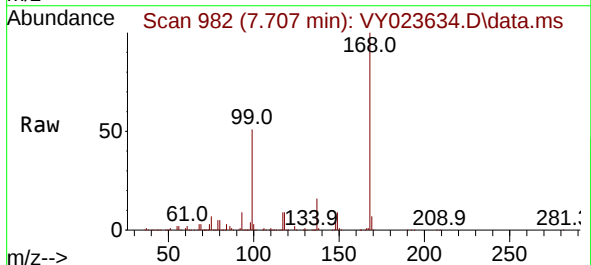
Instrument :
MSVOA_Y
ClientSampleId :

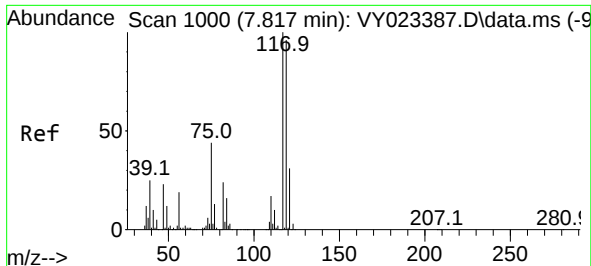
Tgt Ion:113 Resp: 406149
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 21.9 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

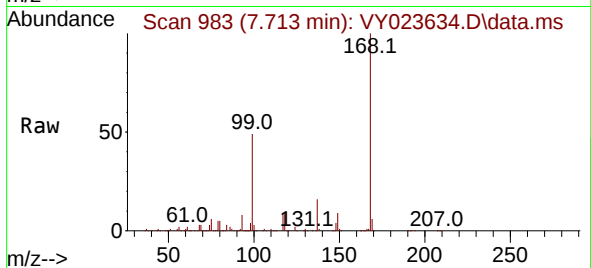
Tgt Ion: 75 Resp: 50299
Ion Ratio Lower Upper
75 100
110 9.6 19.9 59.7#
77 0.2 25.0 37.6#



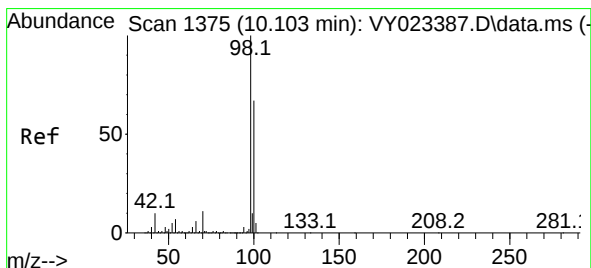
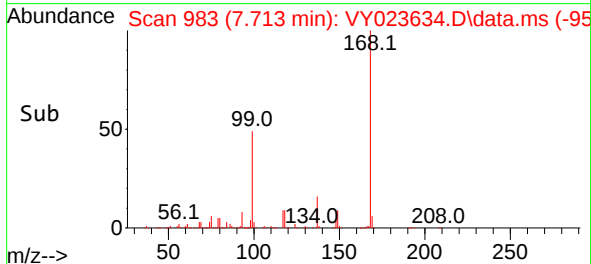
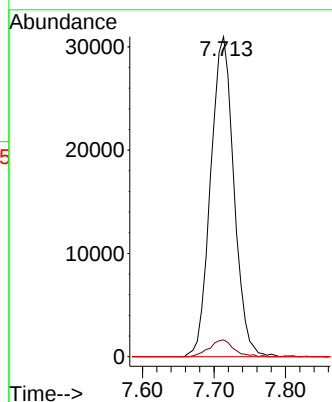


#38
Carbon Tetrachloride
Concen: 5.415 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :

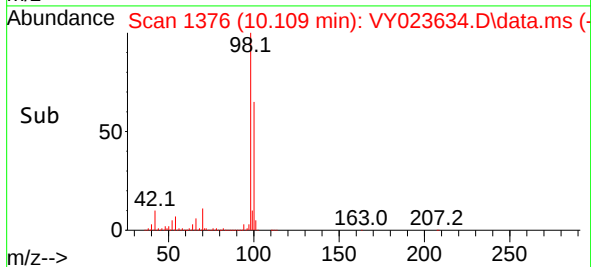
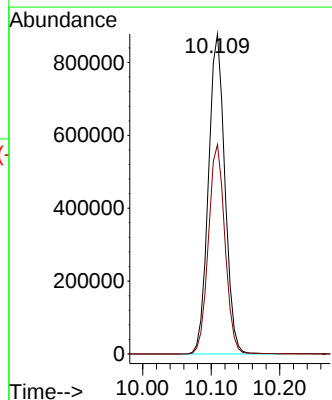
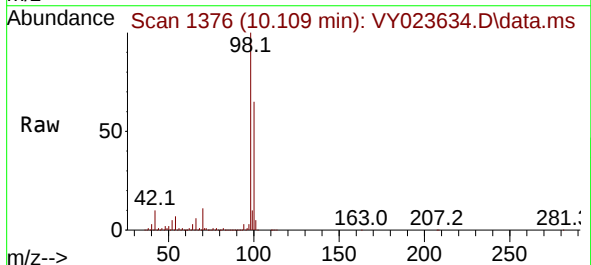


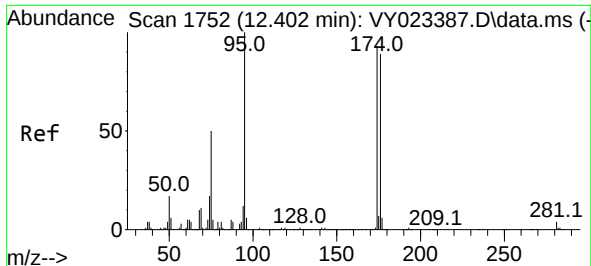
Tgt Ion:117 Resp: 70080
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.726 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

Tgt Ion: 98 Resp: 1462939
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

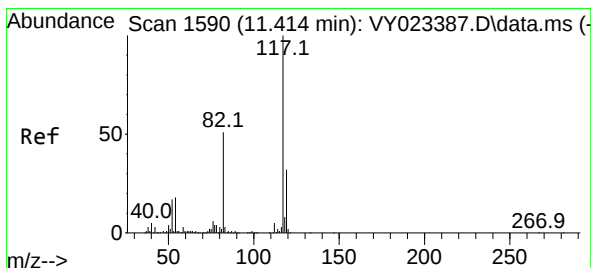
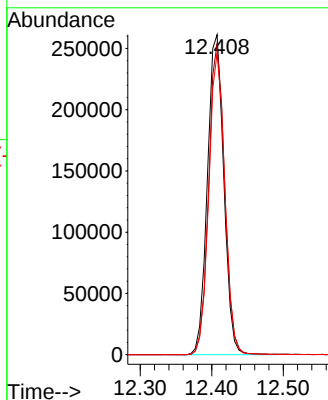
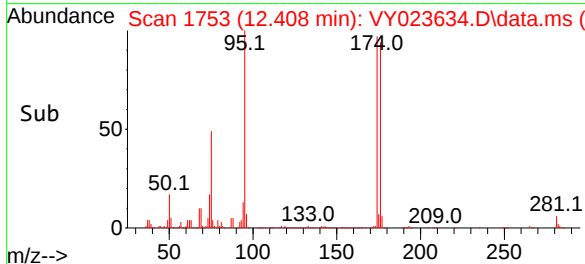
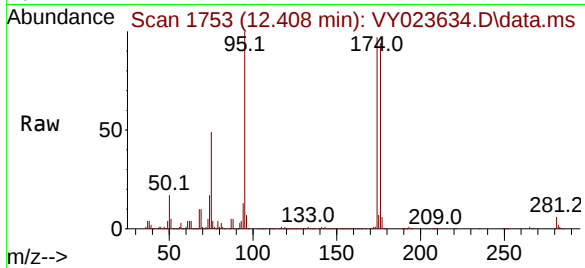




#62
4-Bromofluorobenzene
Concen: 41.881 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

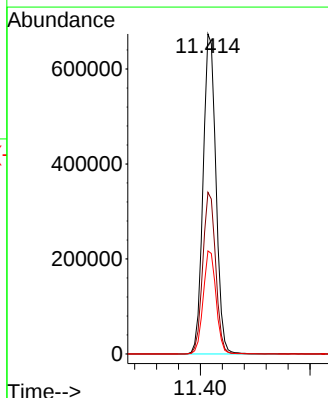
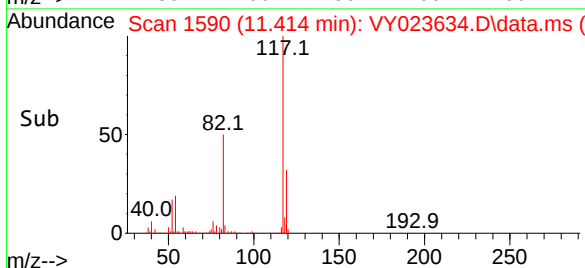
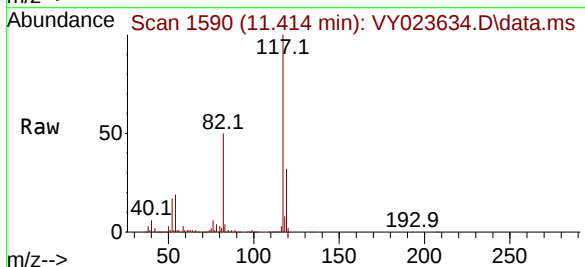
Instrument :
MSVOA_Y
ClientSampleId :

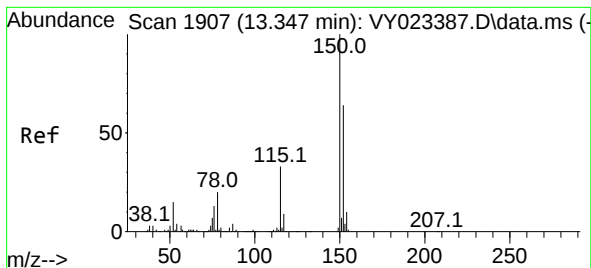
Tgt Ion: 95 Resp: 415136
Ion Ratio Lower Upper
95 100
174 95.1 0.0 192.8
176 92.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023634.D
Acq: 30 Oct 2025 15:47

Tgt Ion: 117 Resp: 1091905
Ion Ratio Lower Upper
117 100
82 50.5 41.0 61.4
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023634.D

Acq: 30 Oct 2025 15:47

Instrument :

MSVOA_Y

ClientSampleId :

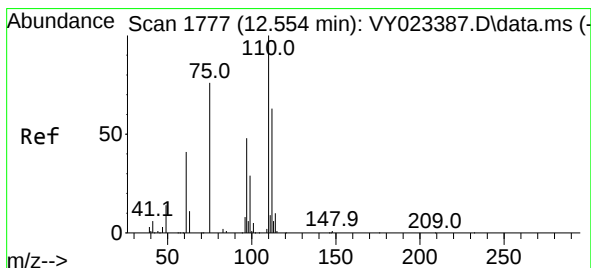
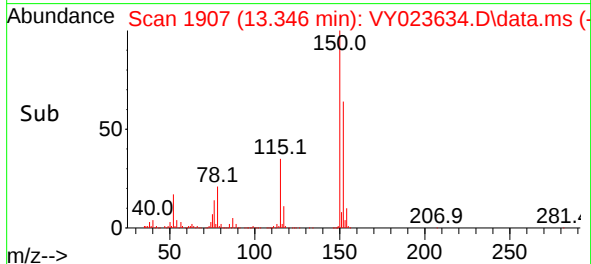
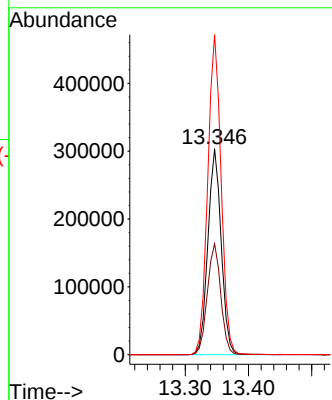
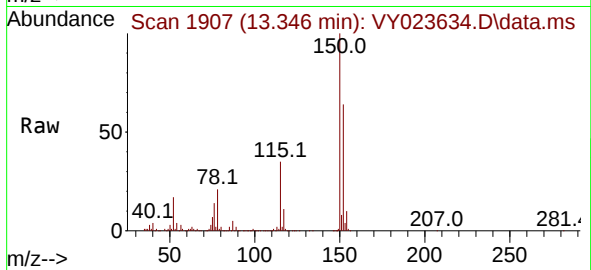
Tgt Ion:152 Resp: 444669

Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

150 156.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 51.324 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023634.D

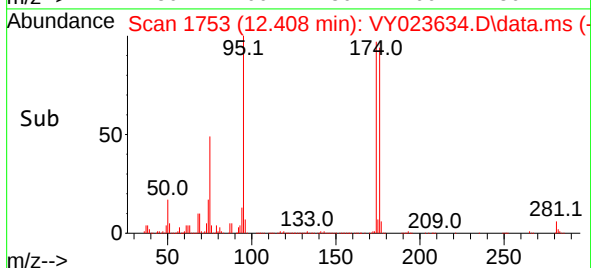
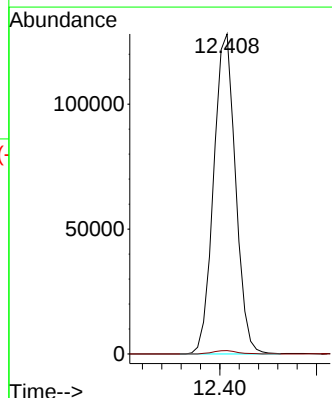
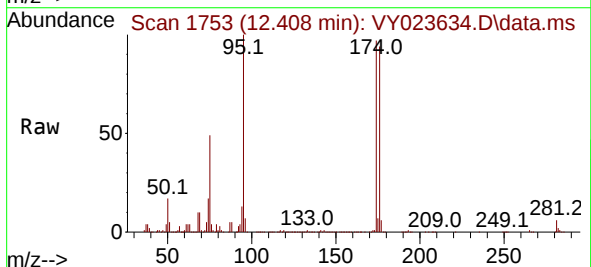
Acq: 30 Oct 2025 15:47

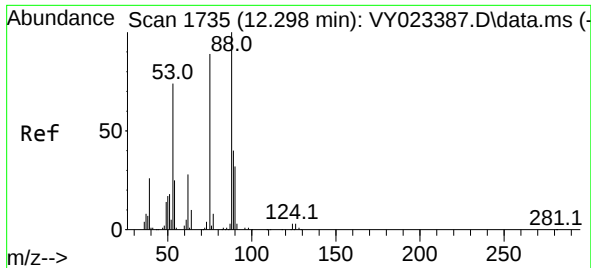
Tgt Ion: 75 Resp: 201353

Ion Ratio Lower Upper

75 100

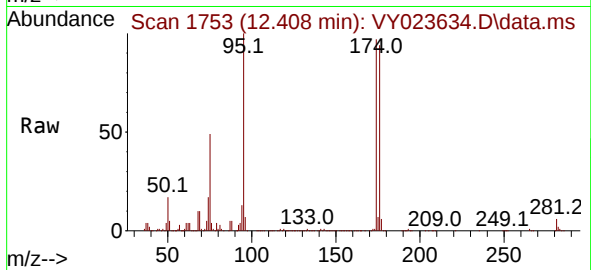
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.856 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023634.D
 Acq: 30 Oct 2025 15:47

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 201353
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.1 39.0 58.4#

