

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023762.D
 Acq On : 12 Nov 2025 14:24
 Operator : SY/MD
 Sample : Q3600-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CENTRAL-ROW-CONCRETE

Quant Time: Nov 14 03:39:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

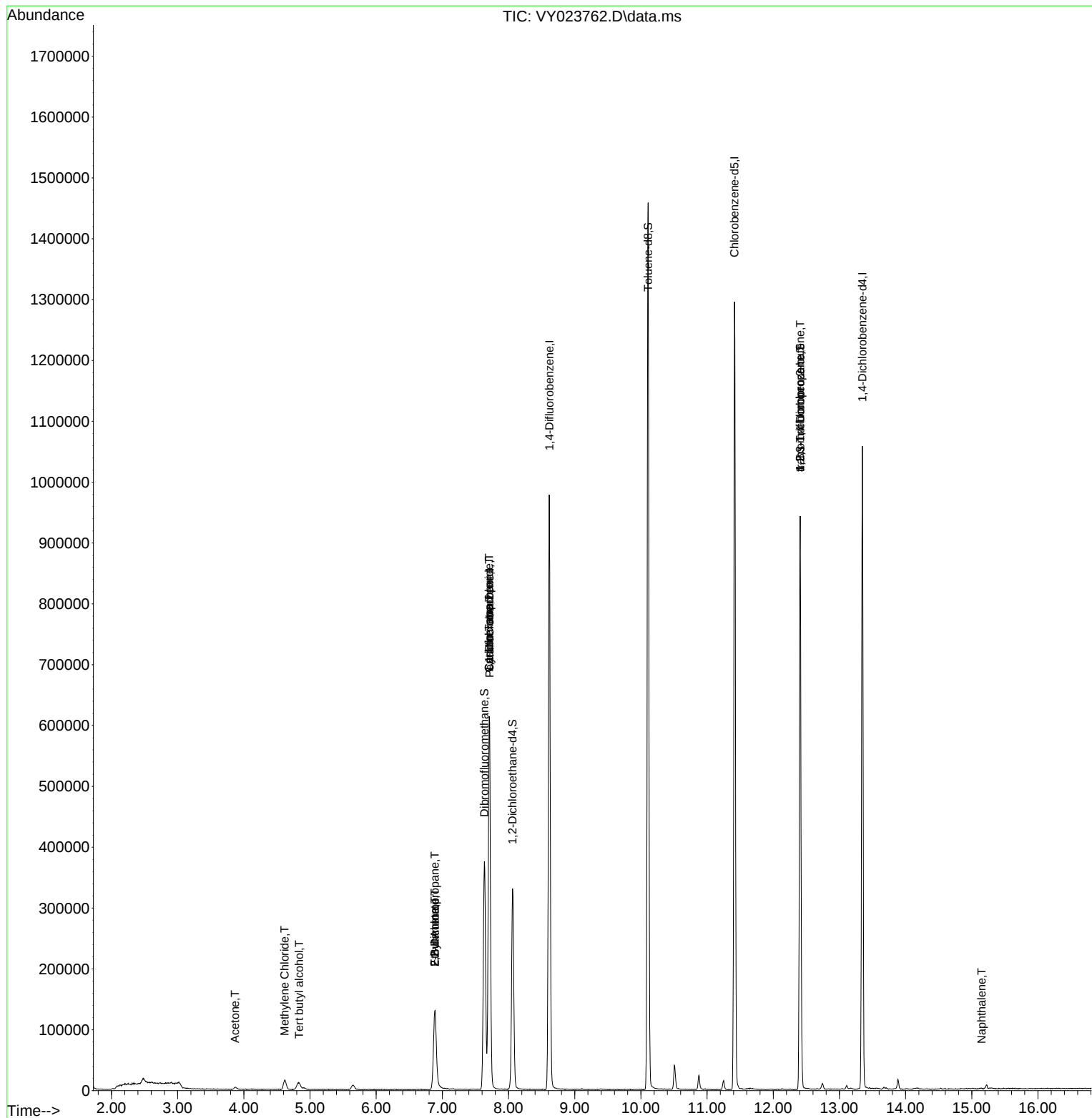
Internal Standards						
1) Pentafluorobenzene	7.713	168	518815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	866023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	737421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	284729	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	255329	57.694	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.380%			
35) Dibromofluoromethane	7.634	113	275127	50.836	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.680%			
50) Toluene-d8	10.109	98	970235	48.126	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.260%			
62) 4-Bromofluorobenzene	12.408	95	276766	42.451	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.900%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	11659	40.857	ug/l #	74
16) Acetone	3.867	43	6184	5.622	ug/l	100
20) Methylene Chloride	4.616	84	12594	2.372	ug/l	96
25) 2-Butanone	6.884	43	7002	5.505	ug/l #	66
26) 2,2-Dichloropropane	6.884	77	10622	1.379	ug/l #	51
31) Cyclohexane	7.707	56	9031	1.238	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	33773	4.670	ug/l #	48
37) Ethyl Acetate	6.884	43	7002	2.501	ug/l #	68
38) Carbon Tetrachloride	7.707	117	47478	5.572	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	137497	59.669	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	137497	134.848	ug/l #	14
95) Naphthalene	15.151	128	895	5.358	ug/l #	91

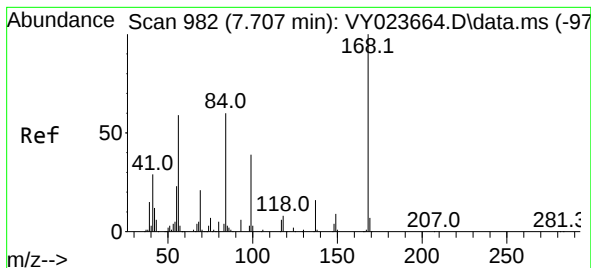
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023762.D

Acq: 12 Nov 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

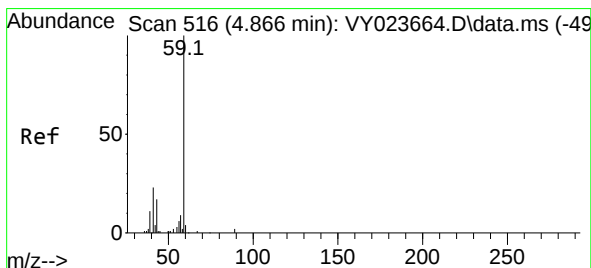
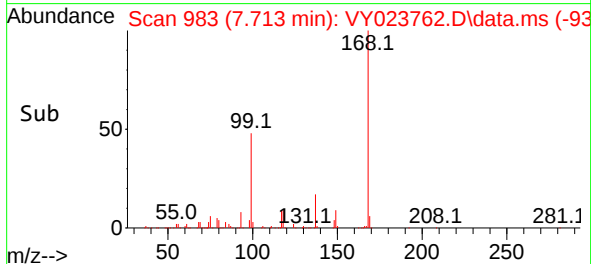
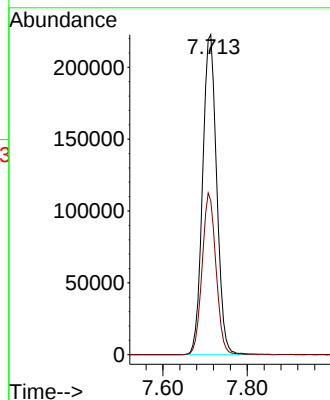
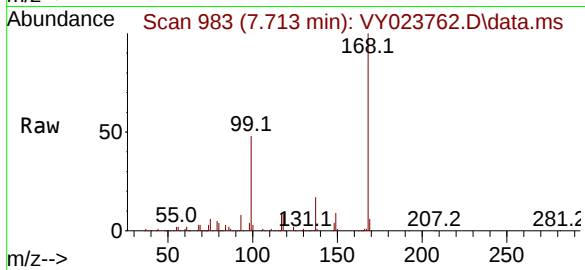
CENTRAL-ROW-CONCRETE

Tgt Ion:168 Resp: 518815

Ion Ratio Lower Upper

168 100

99 48.1 41.0 61.4



#11

Tert butyl alcohol

Concen: 40.857 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.030 min

Lab File: VY023762.D

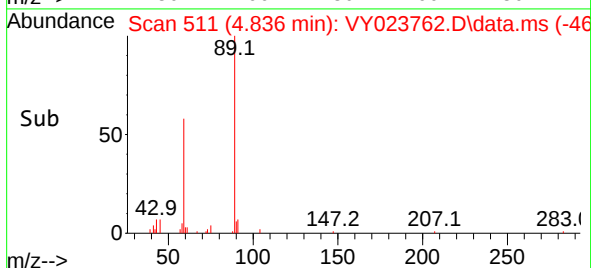
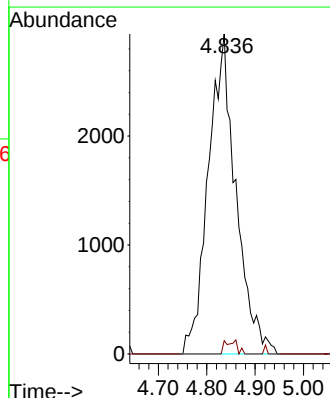
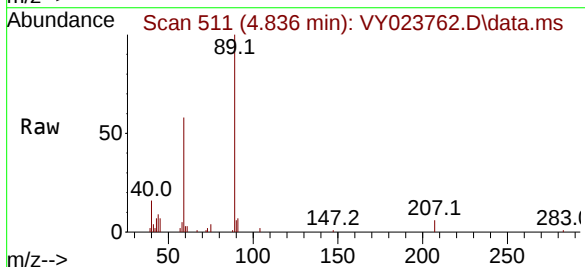
Acq: 12 Nov 2025 14:24

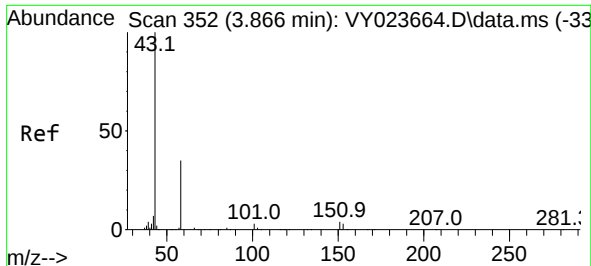
Tgt Ion: 59 Resp: 11659

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#

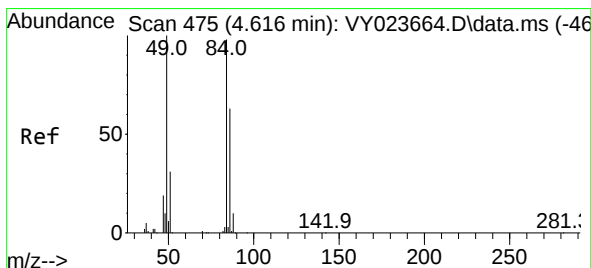
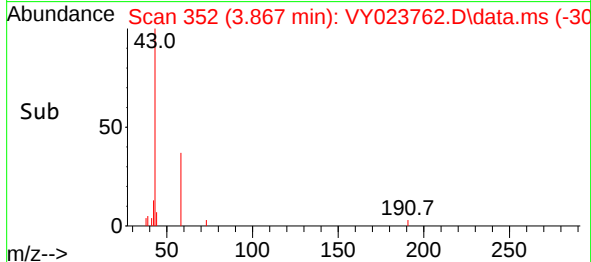
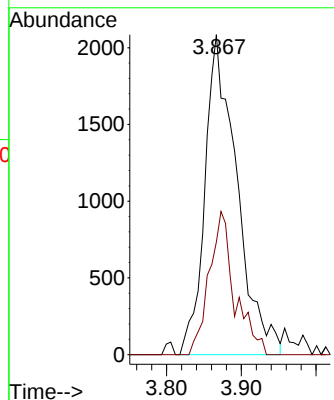
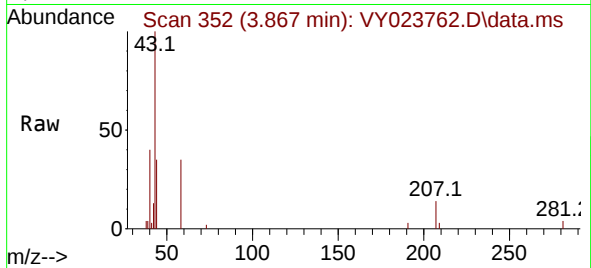




#16
Acetone
Concen: 5.622 ug/l
RT: 3.867 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

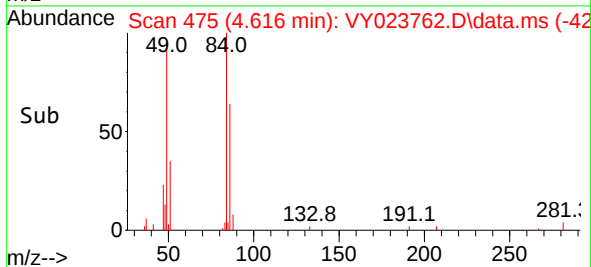
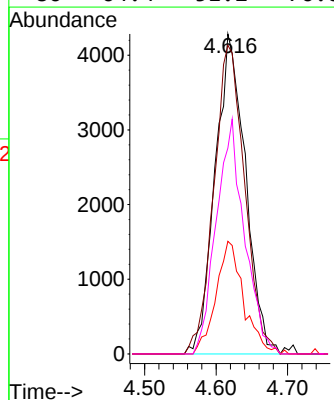
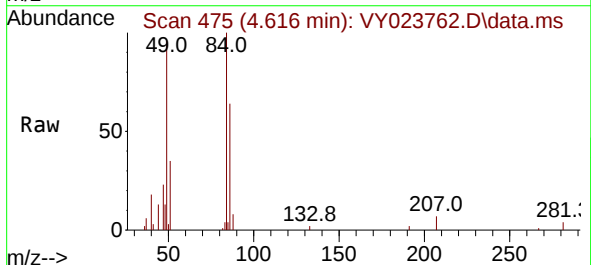
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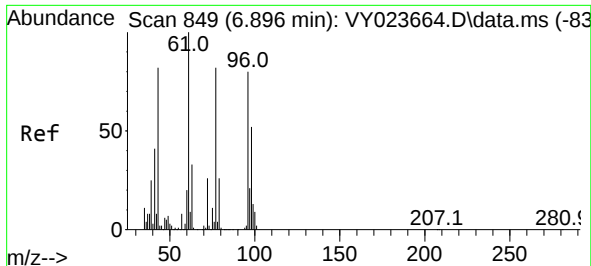
Tgt Ion: 43 Resp: 6184
Ion Ratio Lower Upper
43 100
58 35.2 28.2 42.4



#20
Methylene Chloride
Concen: 2.372 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion: 84 Resp: 12594
Ion Ratio Lower Upper
84 100
49 96.5 81.5 122.3
51 35.2 25.5 38.3
86 64.4 51.2 76.8

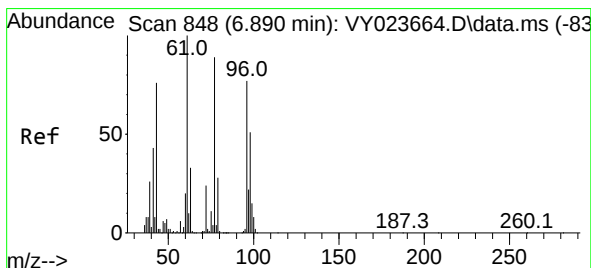
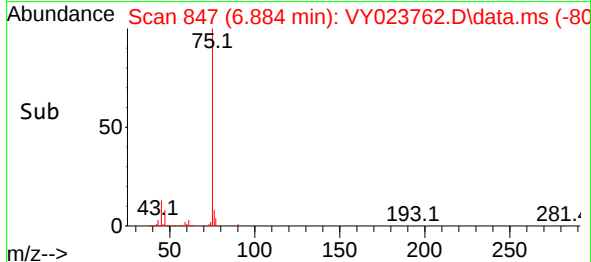
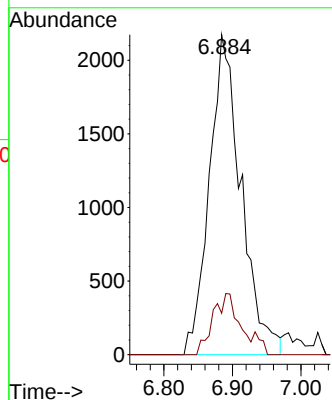
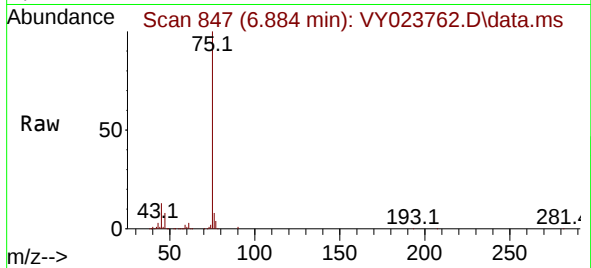




#25
2-Butanone
Concen: 5.505 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

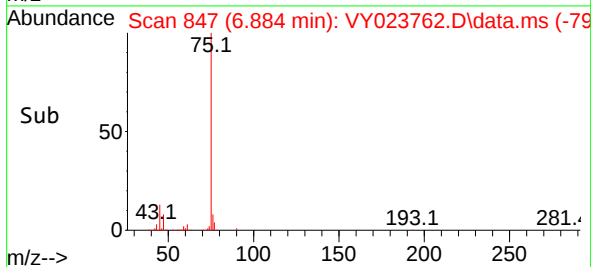
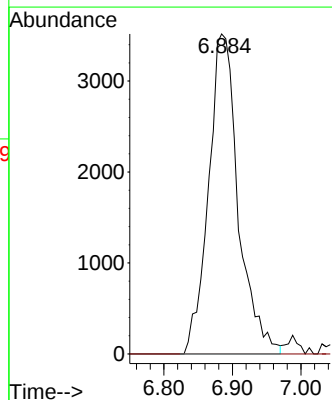
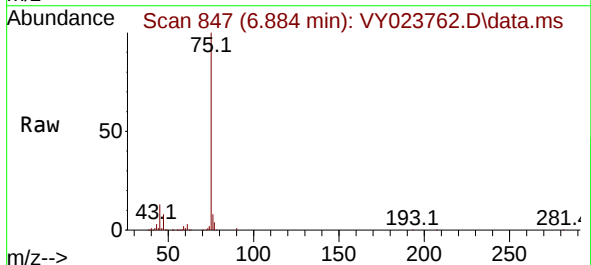
Instrument :
MSVOA_Y
ClientSampleId :
CENTRAL-ROW-CONCRETE

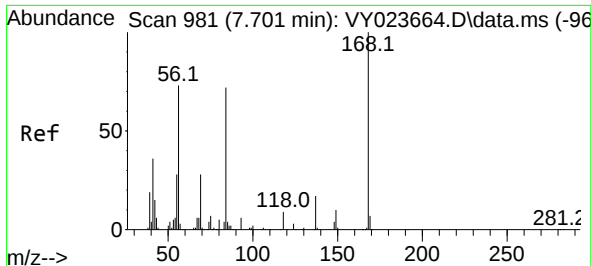
Tgt Ion: 43 Resp: 7002
Ion Ratio Lower Upper
43 100
72 13.0 25.7 38.5#



#26
2,2-Dichloropropane
Concen: 1.379 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion: 77 Resp: 10622
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#

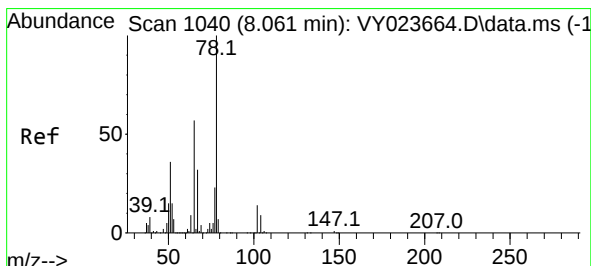
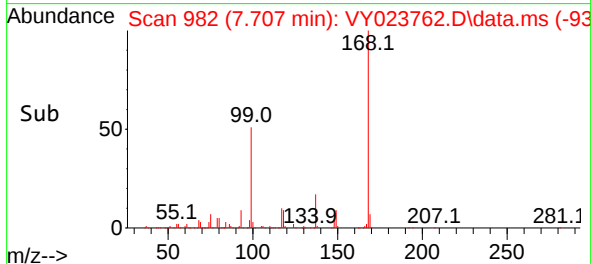
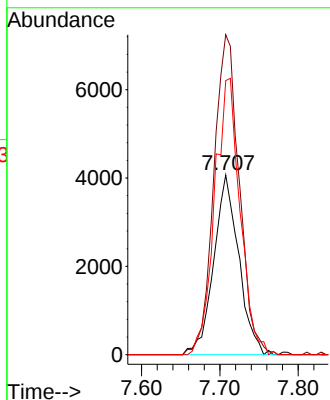
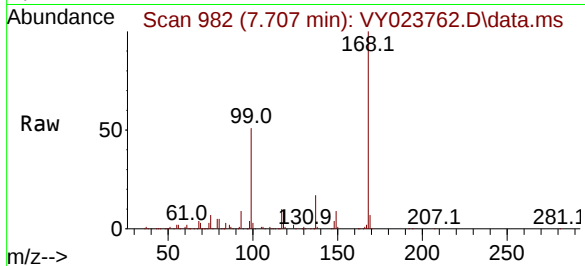




#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

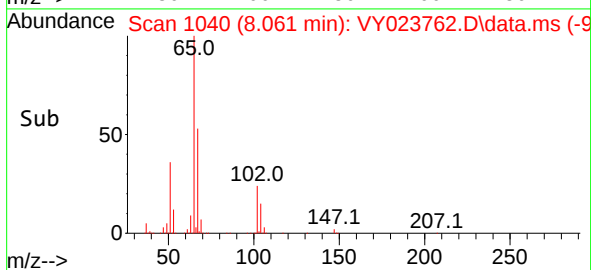
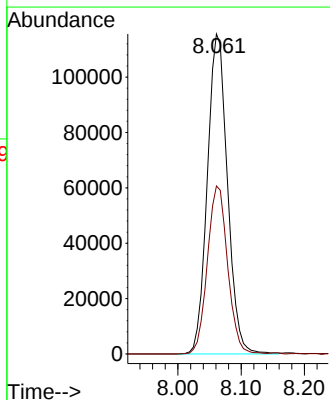
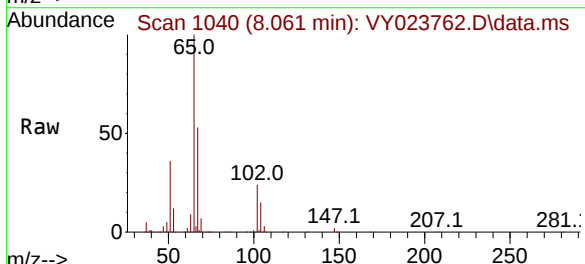
Instrument :
MSVOA_Y
ClientSampleId :
CENTRAL-ROW-CONCRETE

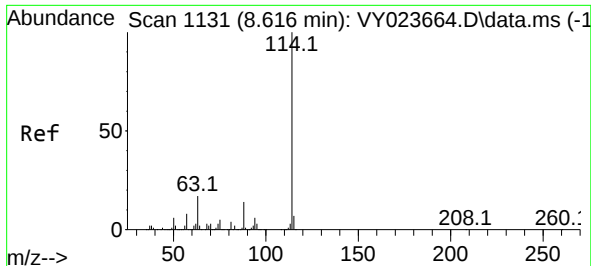
Tgt Ion: 56 Resp: 9031
Ion Ratio Lower Upper
56 100
69 178.0 30.5 45.7#
84 152.5 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 57.694 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion: 65 Resp: 255329
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4

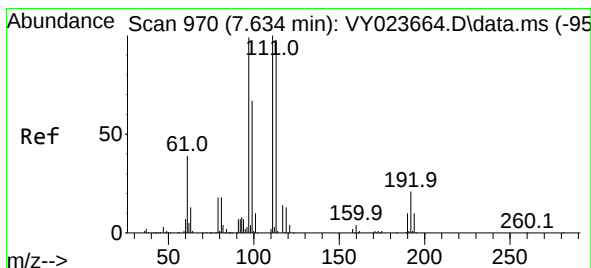
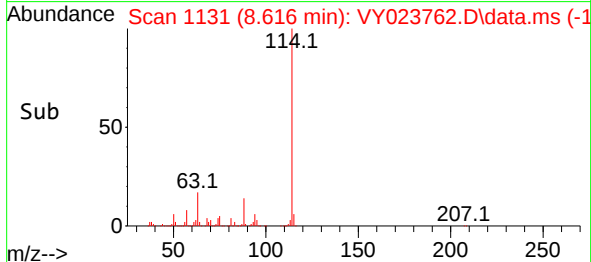
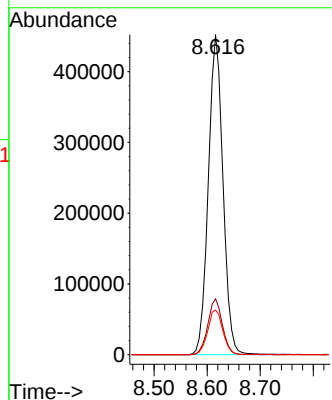
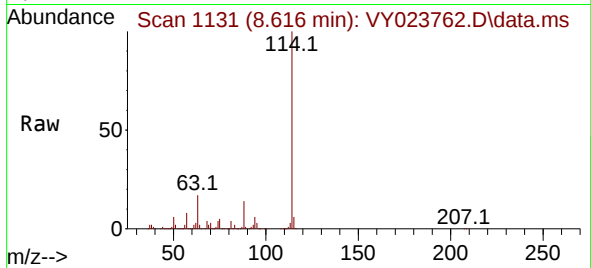




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

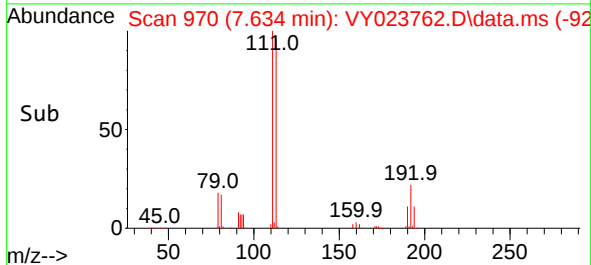
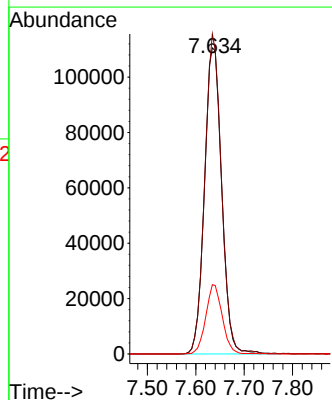
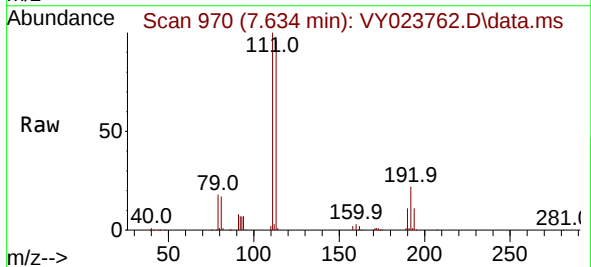
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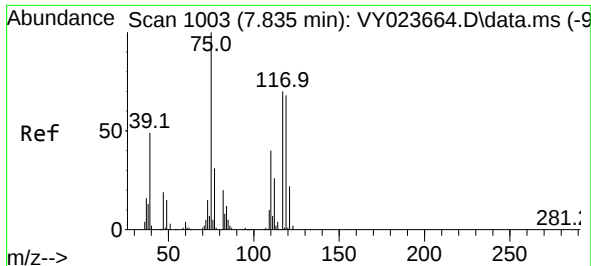
Tgt Ion:114 Resp: 866023
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.8
88 13.9 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.836 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion:113 Resp: 275127
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 21.6 17.3 25.9

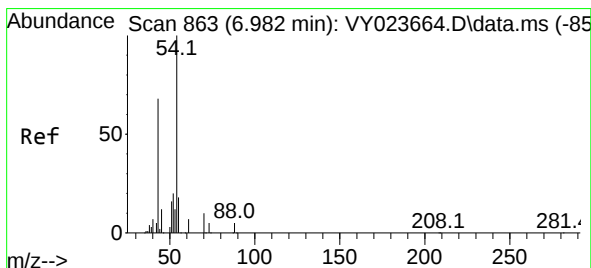
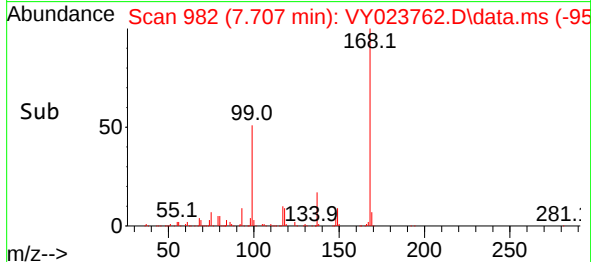
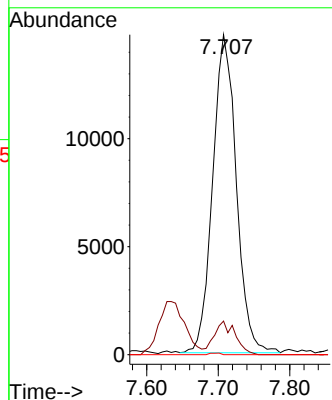
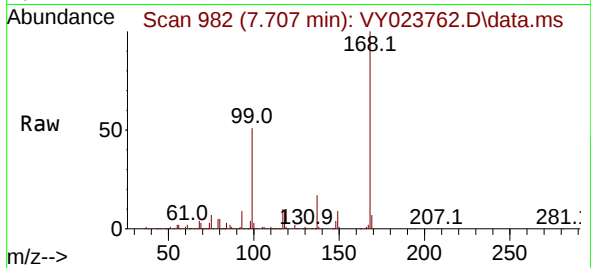




#36
1,1-Dichloropropene
Concen: 4.670 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

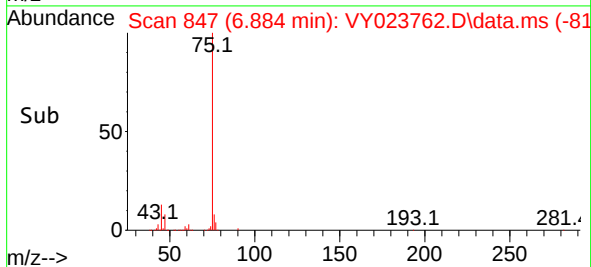
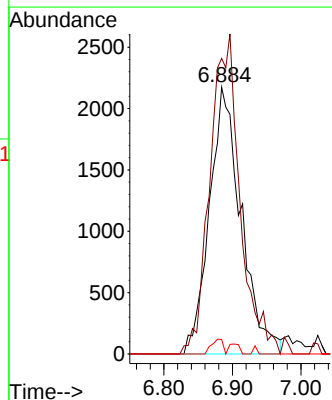
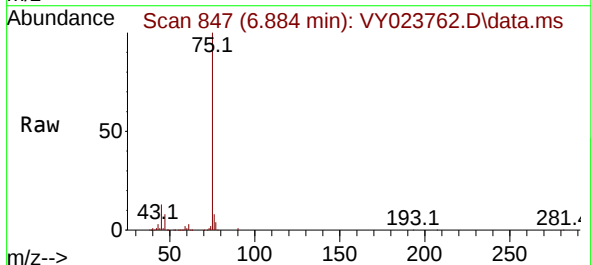
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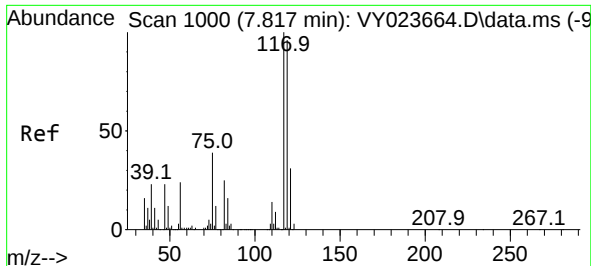
Tgt Ion: 75 Resp: 33773
Ion Ratio Lower Upper
75 100
110 9.5 19.7 59.0#
77 0.2 25.2 37.8#



#37
Ethyl Acetate
Concen: 2.501 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.097 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion: 43 Resp: 7002
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 2.0 9.8 14.8#

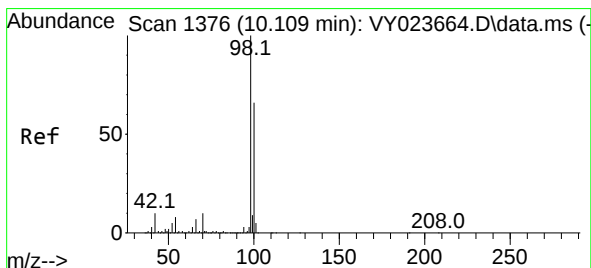
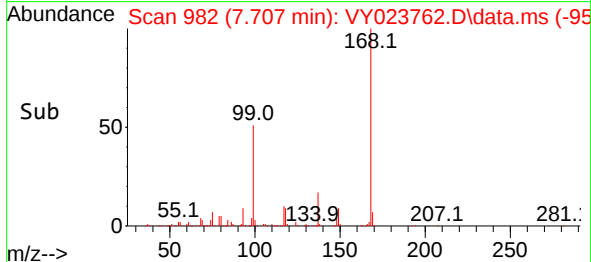
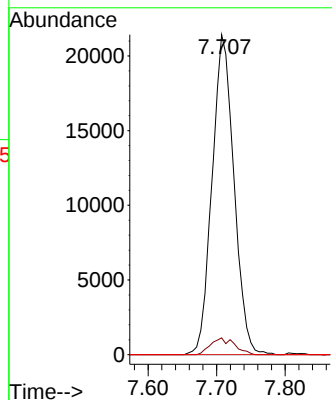
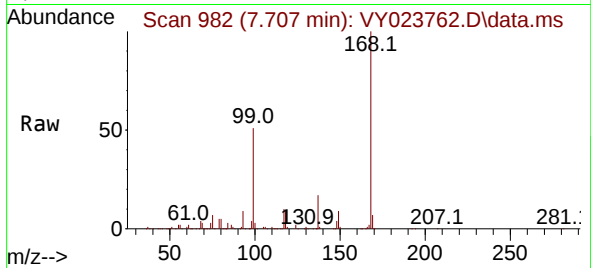




#38
Carbon Tetrachloride
Concen: 5.572 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

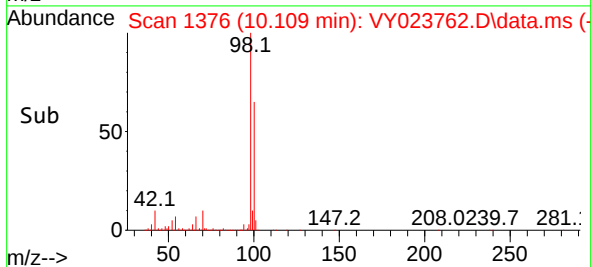
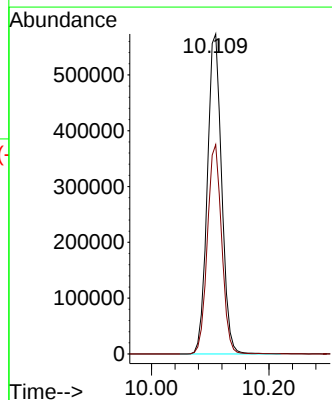
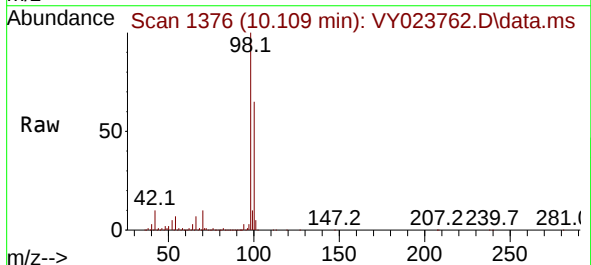
Instrument :
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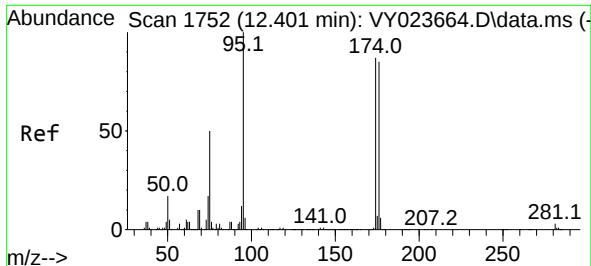
Tgt Ion:117 Resp: 47478
Ion Ratio Lower Upper
117 100
119 5.2 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.126 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion: 98 Resp: 970235
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

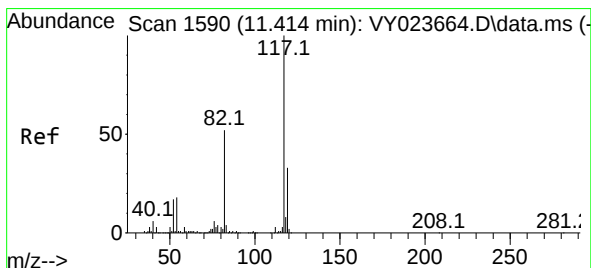
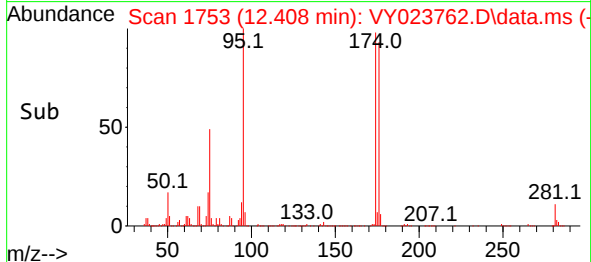
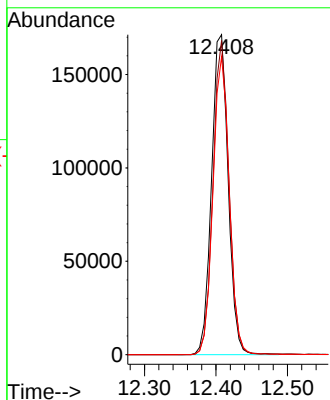
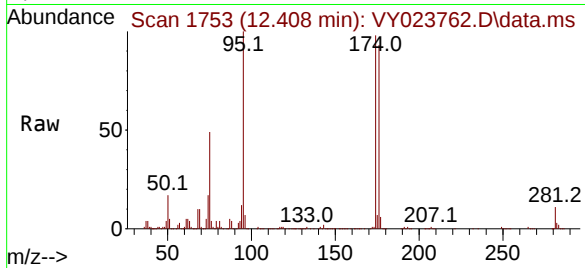




#62
4-Bromofluorobenzene
Concen: 42.451 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

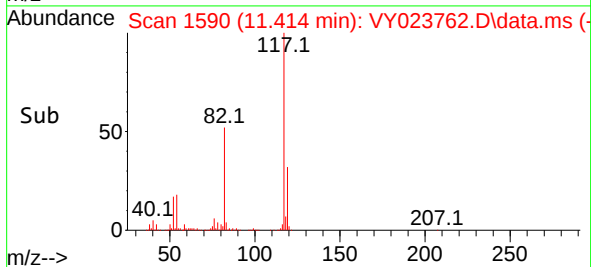
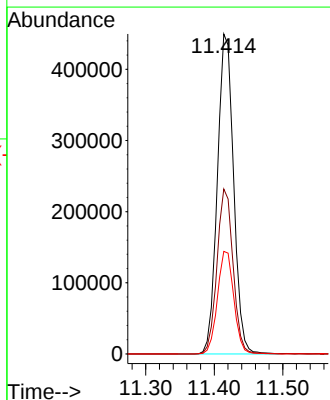
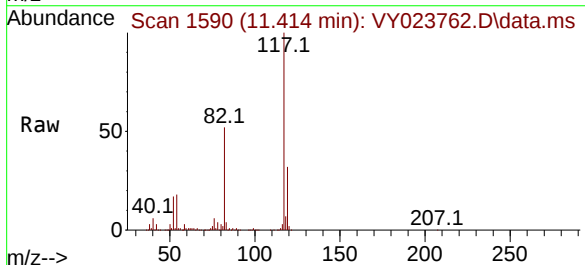
Instrument :
MSVOA_Y
ClientSampleId :
CENTRAL-ROW-CONCRETE

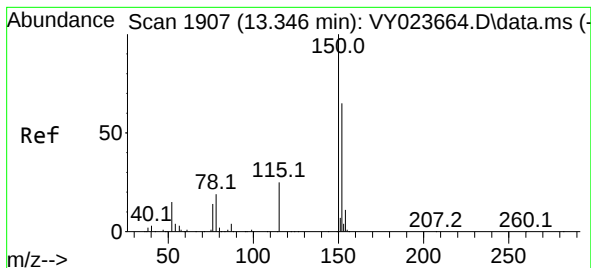
Tgt Ion: 95 Resp: 276766
Ion Ratio Lower Upper
95 100
174 94.7 0.0 184.8
176 91.2 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion: 117 Resp: 737421
Ion Ratio Lower Upper
117 100
82 51.6 41.2 61.8
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023762.D

Acq: 12 Nov 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

CENTRAL-ROW-CONCRETE

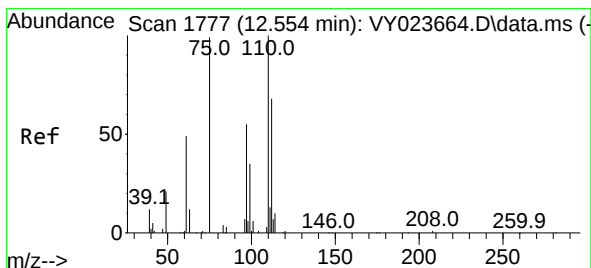
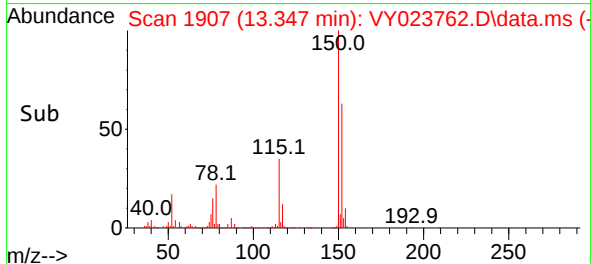
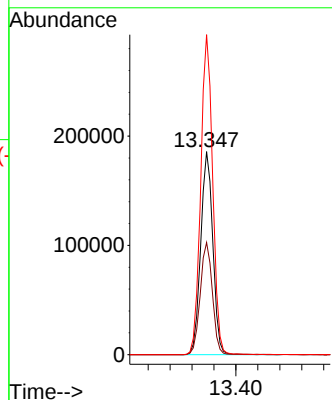
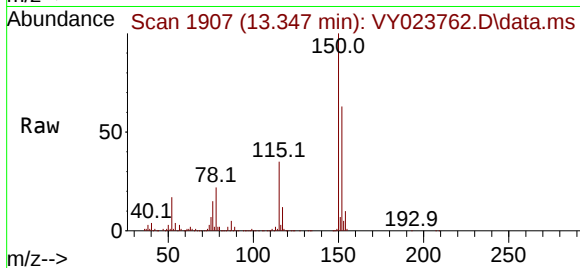
Tgt Ion:152 Resp: 284729

Ion Ratio Lower Upper

152 100

115 55.6 27.5 82.5

150 156.1 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 59.669 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023762.D

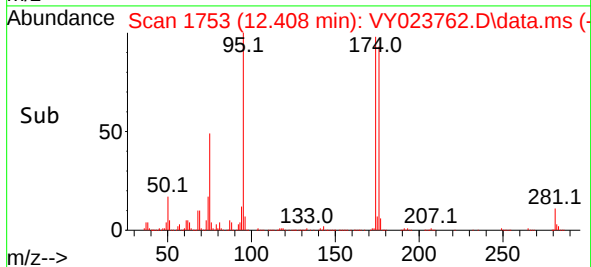
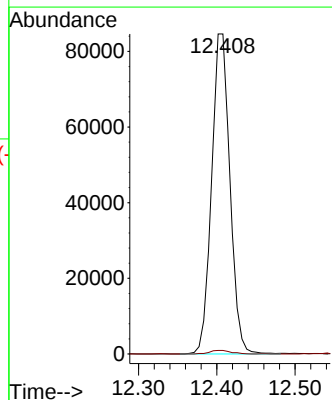
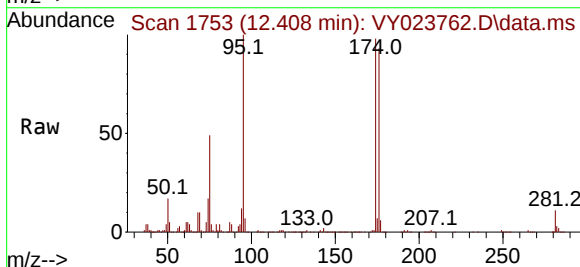
Acq: 12 Nov 2025 14:24

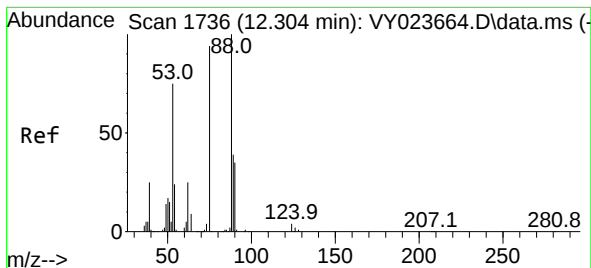
Tgt Ion: 75 Resp: 137497

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

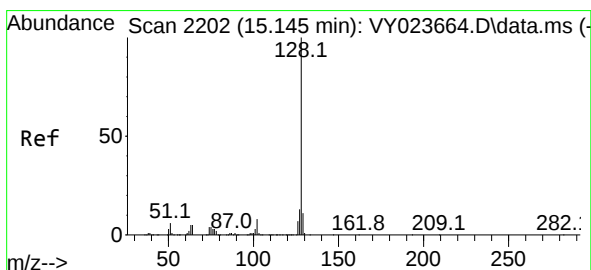
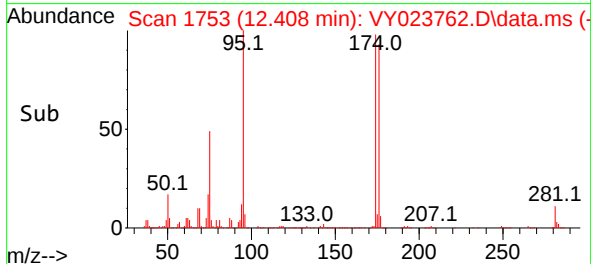
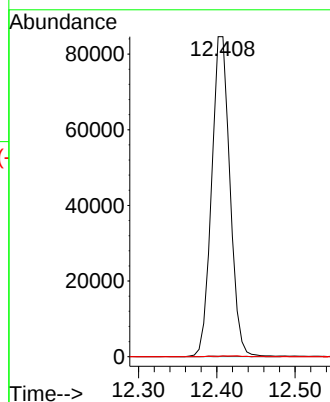
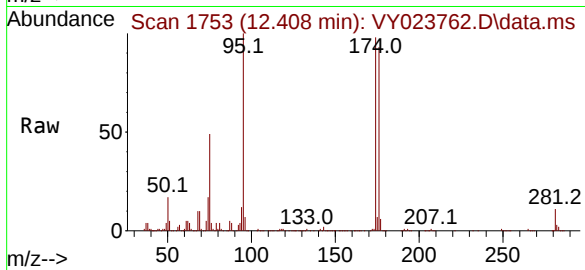




#81
trans-1,4-Dichloro-2-butene
Concen: 134.848 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :
CENTRAL-ROW-CONCRETE

Tgt Ion: 75 Resp: 137497
Ion Ratio Lower Upper
75 100
53 0.3 69.6 104.4#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.358 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY023762.D
Acq: 12 Nov 2025 14:24

Tgt Ion:128 Resp: 895
Ion Ratio Lower Upper
128 100
127 12.5 10.5 15.7
129 17.9 8.8 13.2#

