

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023328.D
 Acq On : 10 Sep 2025 12:49
 Operator : SY/MD
 Sample : Q3058-01
 Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPY5

Quant Time: Sep 11 03:49:14 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)

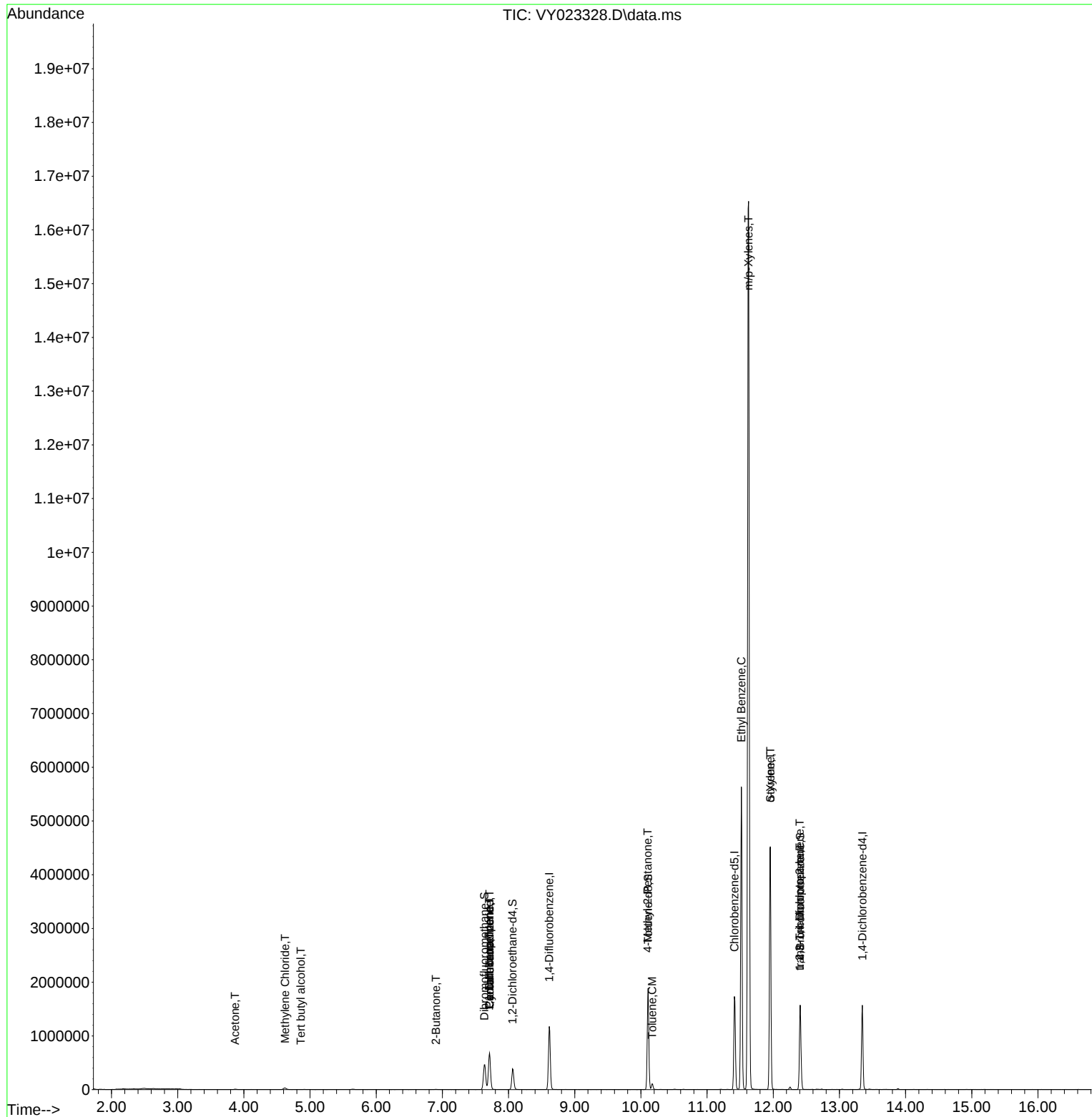
Internal Standards							
1) Pentafluorobenzene		7.713	168	542076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.615	114	1032321	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.414	117	977441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.346	152	418953	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.061	65	295336	62.002	ug/l	0.00
Spiked Amount 50.000		Range 50 - 163		Recovery	= 124.000%		
35) Dibromofluoromethane		7.634	113	341940	54.188	ug/l	0.00
Spiked Amount 50.000		Range 54 - 147		Recovery	= 108.380%		
50) Toluene-d8		10.109	98	1240309	52.053	ug/l	0.00
Spiked Amount 50.000		Range 58 - 134		Recovery	= 104.100%		
62) 4-Bromofluorobenzene		12.407	95	409365	54.593	ug/l	0.00
Spiked Amount 50.000		Range 30 - 143		Recovery	= 109.180%		
Target Compounds							
							Qvalue
11) Tert butyl alcohol		4.860	59	316	1.148	ug/l #	71
16) Acetone		3.866	43	11926	10.992	ug/l	96
20) Methylene Chloride		4.622	84	22696	3.910	ug/l	91
25) 2-Butanone		6.902	43	2872	2.151	ug/l #	75
31) Cyclohexane		7.713	56	10160	1.219	ug/l #	1
36) 1,1-Dichloropropene		7.707	75	38385	4.271	ug/l #	49
38) Carbon Tetrachloride		7.713	117	51032	4.935	ug/l #	17
51) 4-Methyl-2-Pentanone		10.103	43	4922	1.384	ug/l #	1
52) Toluene		10.170	92	45192	2.549	ug/l	98
67) Ethyl Benzene		11.517	91	3721737	106.388	ug/l	97
68) m/p-Xylenes		11.627	106	5242152	374.226	ug/l	92
69) o-Xylene		11.956	106	1255978	96.856	ug/l	98
70) Styrene		11.956	104	64070	2.981	ug/l #	1
76) 1,2,3-Trichloropropane		12.401	75	205317	48.393	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.401	75	205317	131.973	ug/l #	14

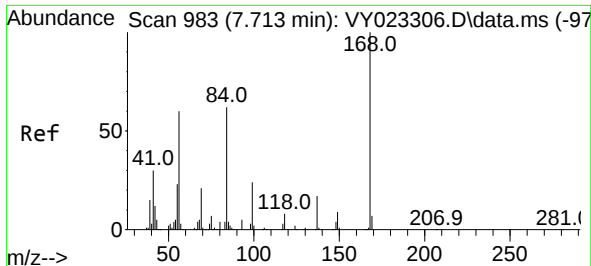
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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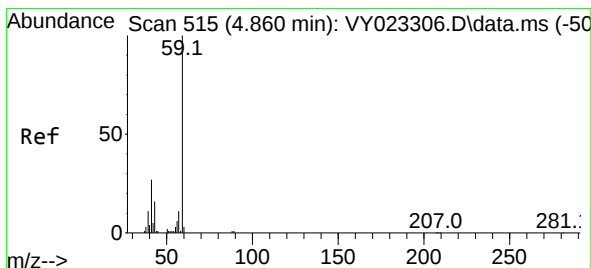
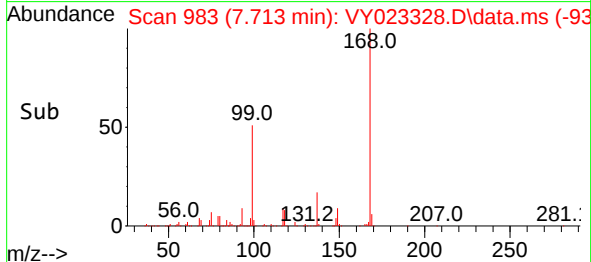
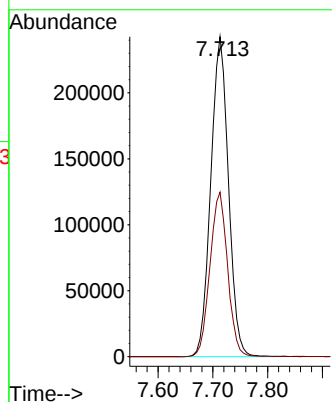
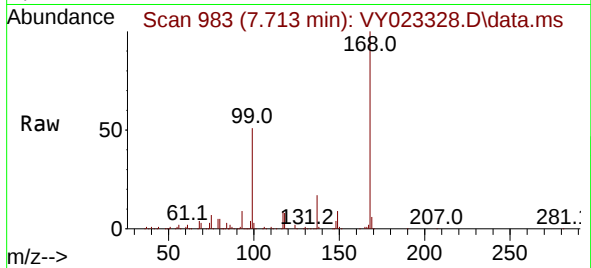




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

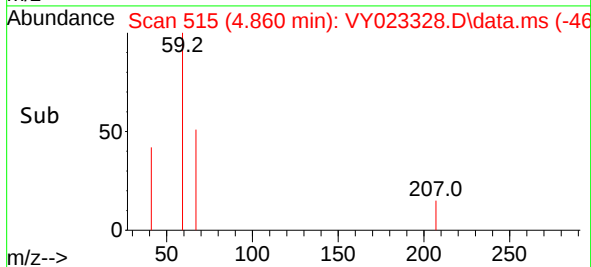
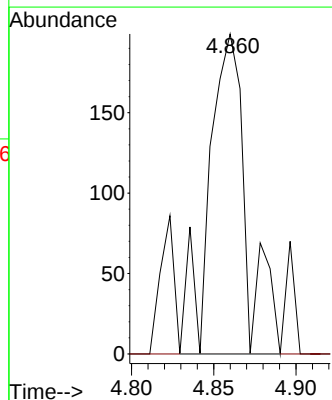
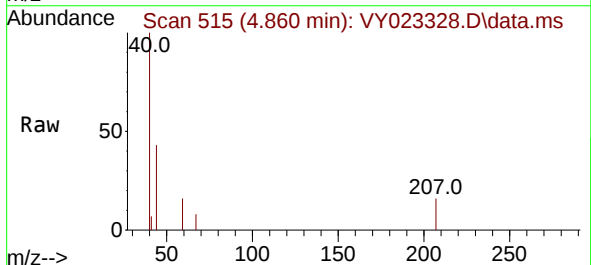
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

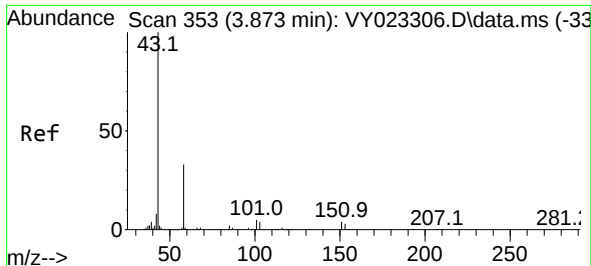
Tgt Ion:168 Resp: 542076
Ion Ratio Lower Upper
168 100
99 51.4 42.8 64.2



#11
Tert butyl alcohol
Concen: 1.148 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

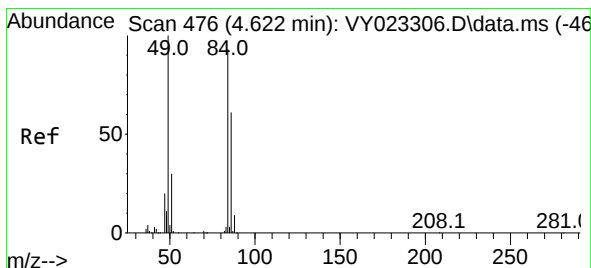
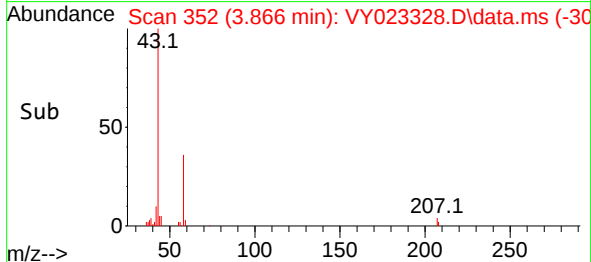
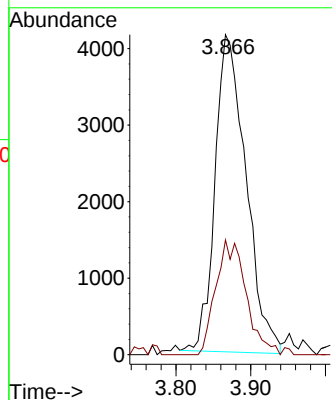
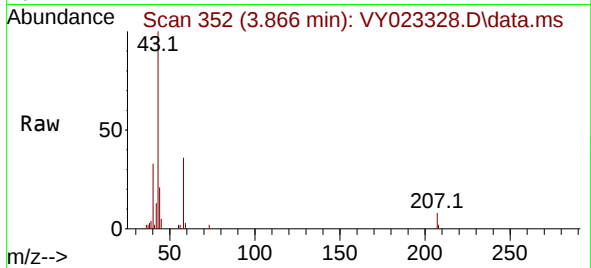




#16
Acetone
Concen: 10.992 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

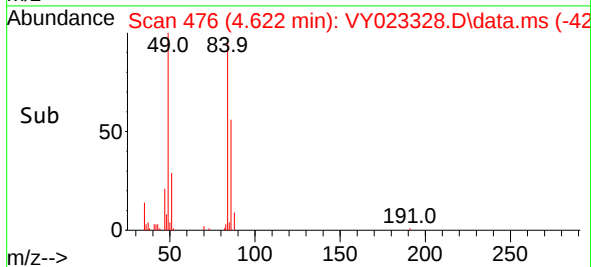
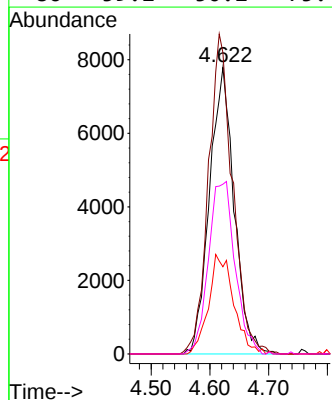
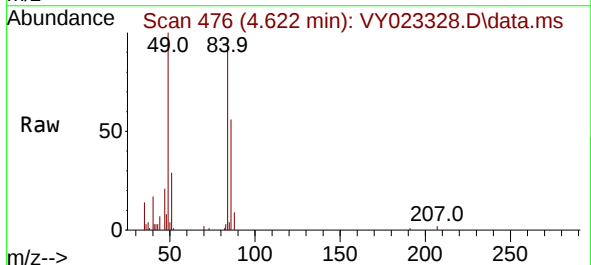
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

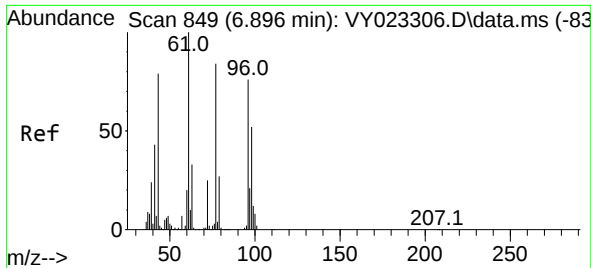
Tgt Ion: 43 Resp: 11926
Ion Ratio Lower Upper
43 100
58 36.4 27.1 40.7



#20
Methylene Chloride
Concen: 3.910 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 84 Resp: 22696
Ion Ratio Lower Upper
84 100
49 105.1 93.0 139.6
51 30.5 29.0 43.4
86 59.2 50.2 75.4

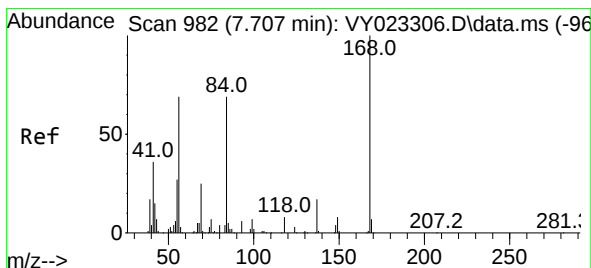
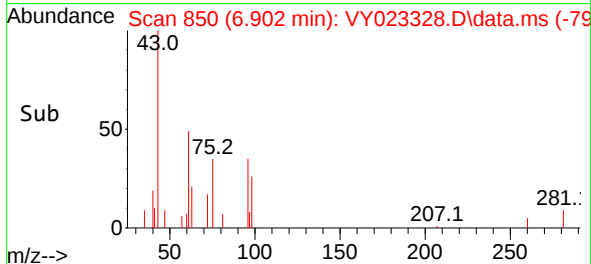
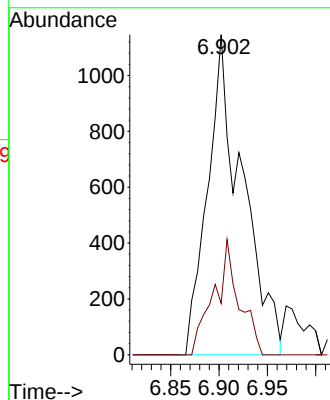
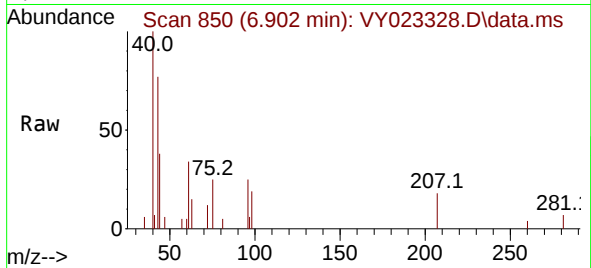




#25
2-Butanone
Concen: 2.151 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

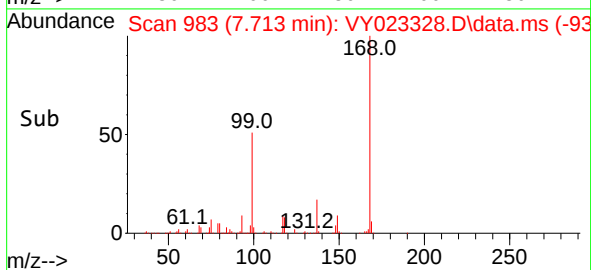
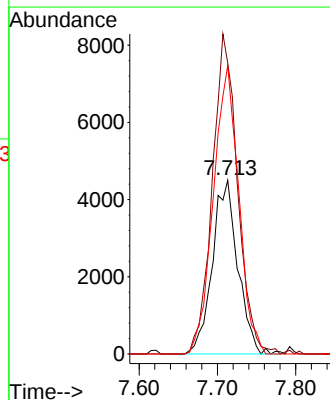
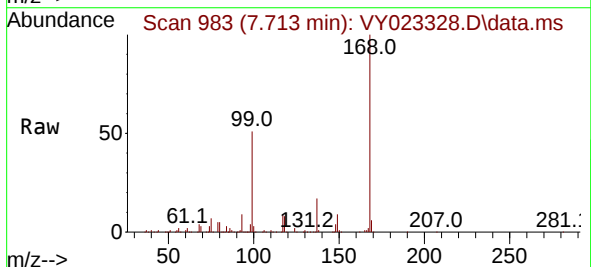
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

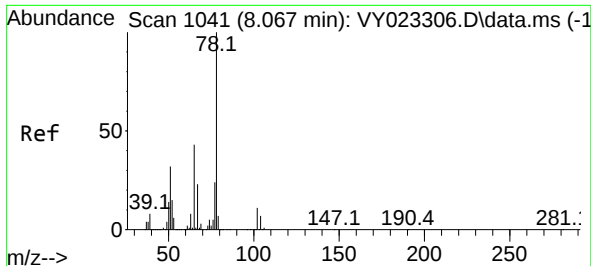
Tgt Ion: 43 Resp: 2872
Ion Ratio Lower Upper
43 100
72 16.1 23.5 35.3#



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 56 Resp: 10160
Ion Ratio Lower Upper
56 100
69 167.5 28.2 42.2#
84 165.9 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 62.002 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

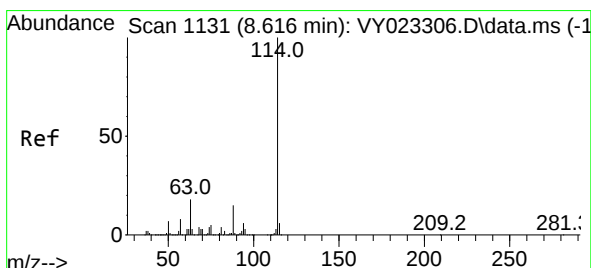
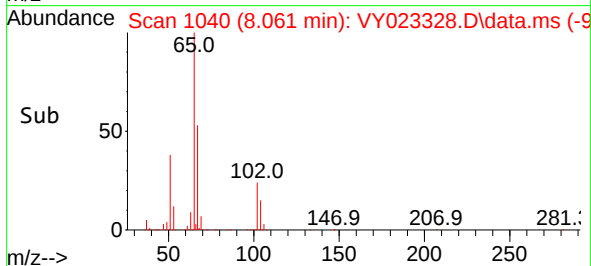
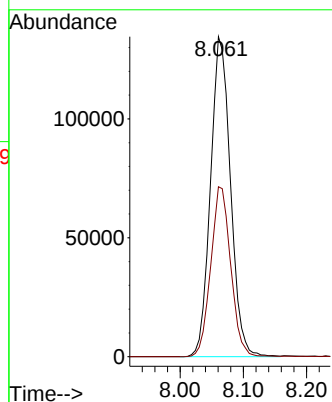
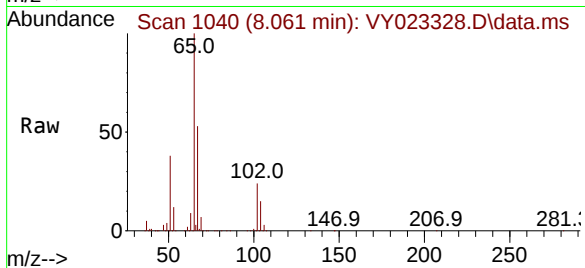
RPXY5

Tgt Ion: 65 Resp: 295336

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

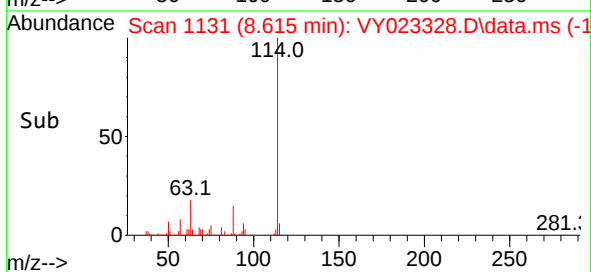
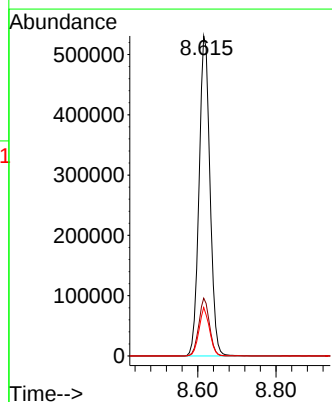
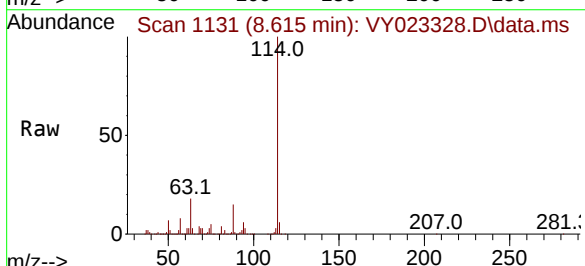
Tgt Ion:114 Resp: 1032321

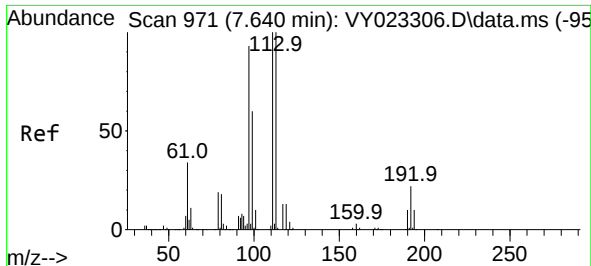
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 15.2 0.0 30.0

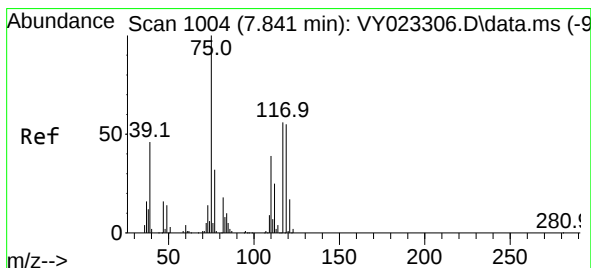
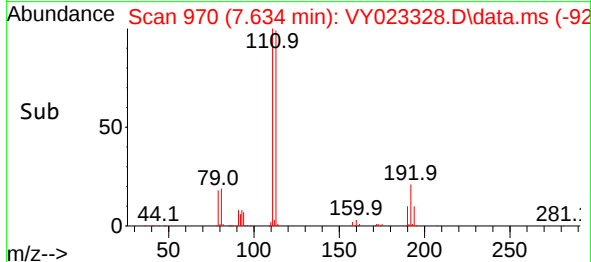
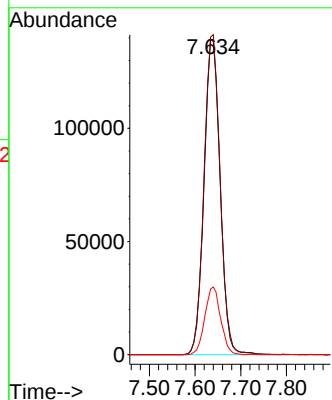
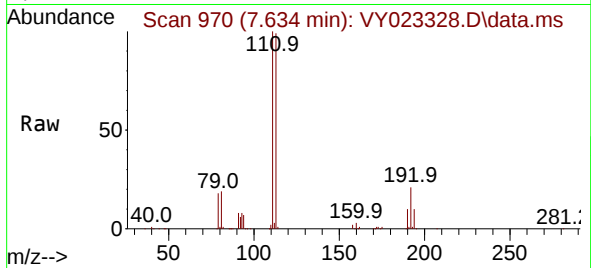




#35
Dibromofluoromethane
Concen: 54.188 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

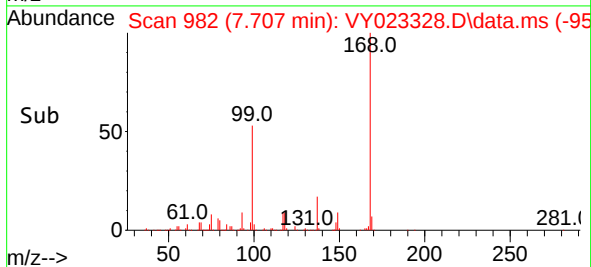
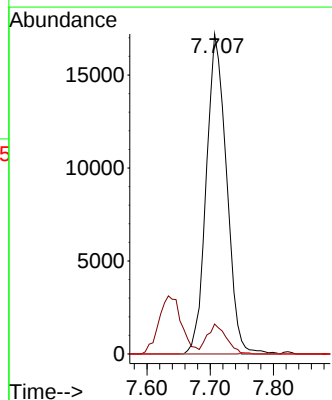
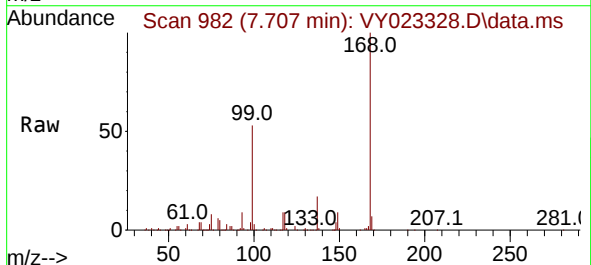
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ClientSampleId :
RPXY5

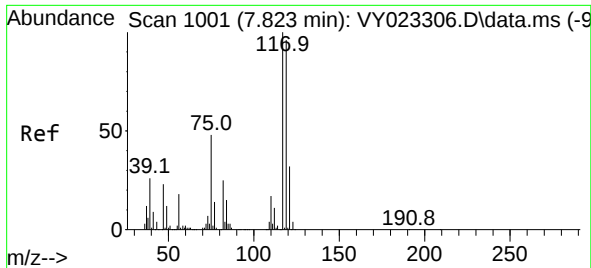
Tgt Ion:113 Resp: 341940
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 21.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.271 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 75 Resp: 38385
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 24.6 37.0#

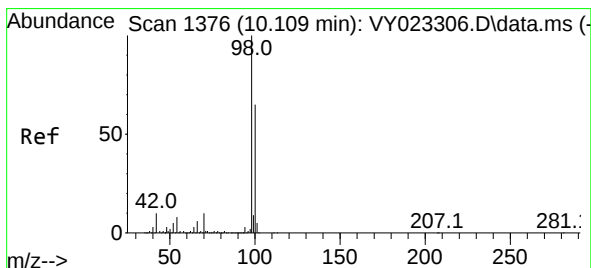
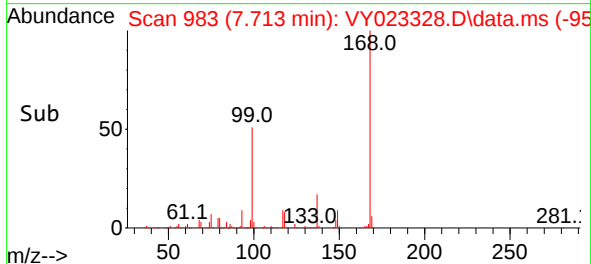
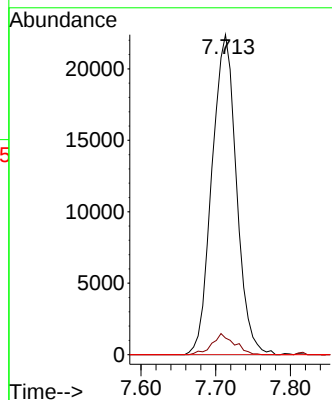
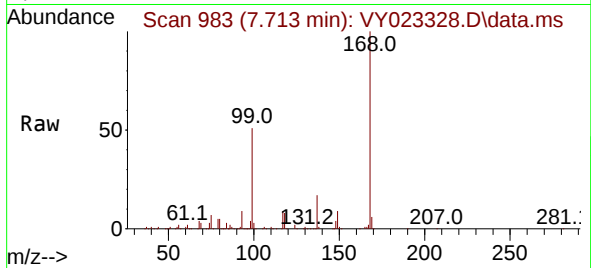




#38
Carbon Tetrachloride
Concen: 4.935 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

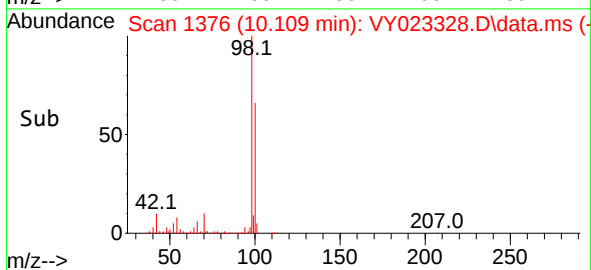
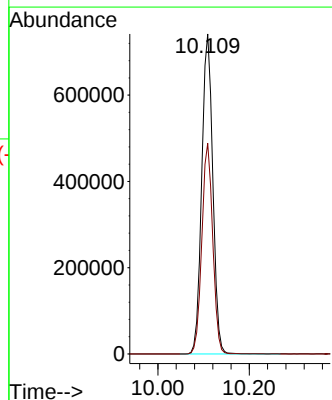
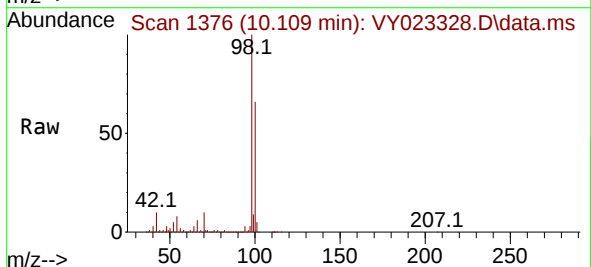
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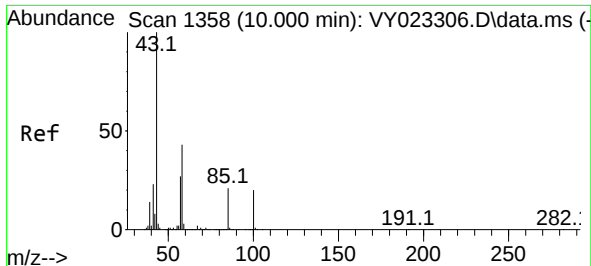
Tgt Ion:117 Resp: 51032
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 52.053 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 98 Resp: 1240309
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

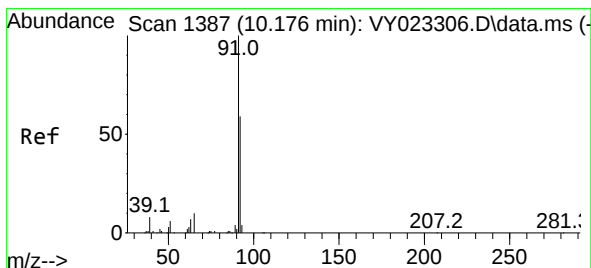
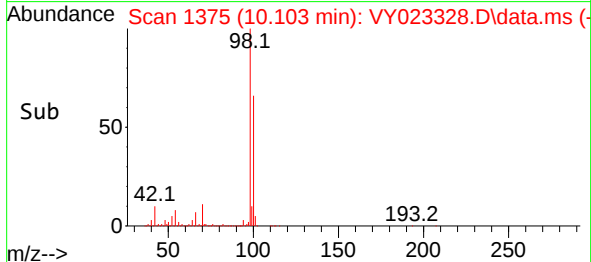
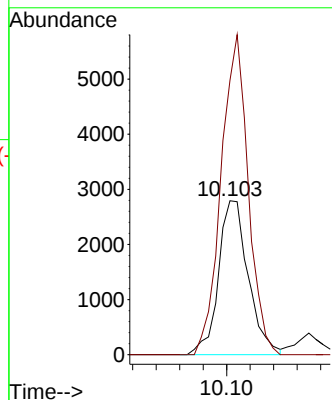
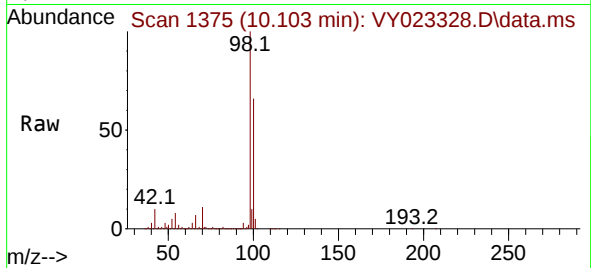




#51
4-Methyl-2-Pentanone
Concen: 1.384 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

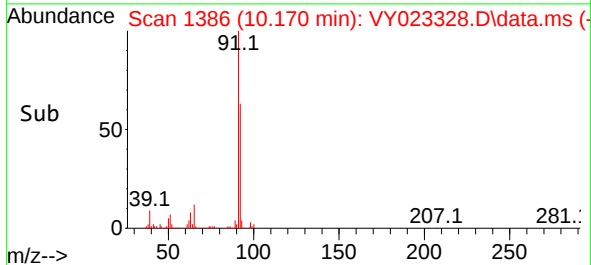
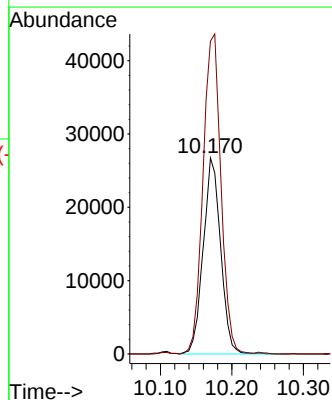
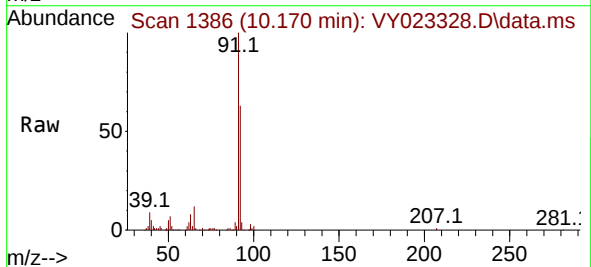
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

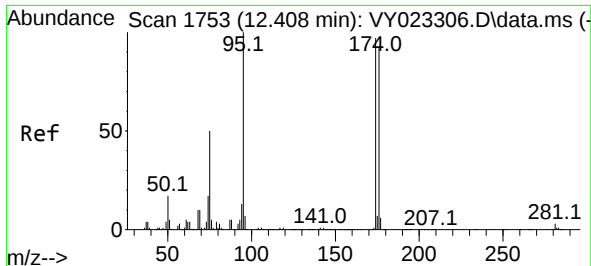
Tgt Ion: 43 Resp: 4922
Ion Ratio Lower Upper
43 100
58 189.3 33.5 50.3#



#52
Toluene
Concen: 2.549 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 92 Resp: 45192
Ion Ratio Lower Upper
92 100
91 168.3 136.4 204.6

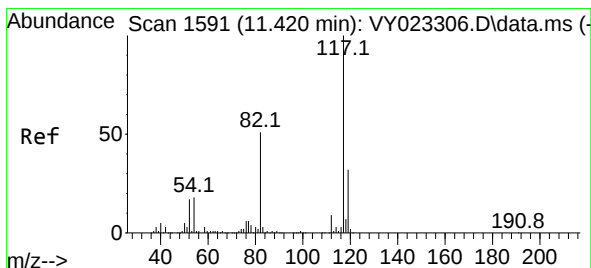
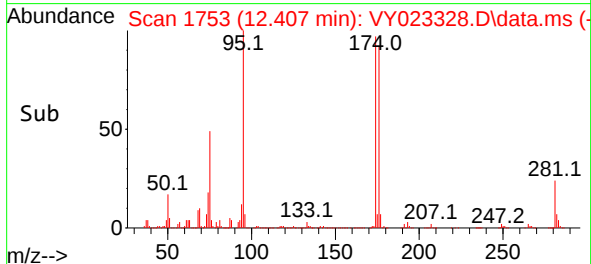
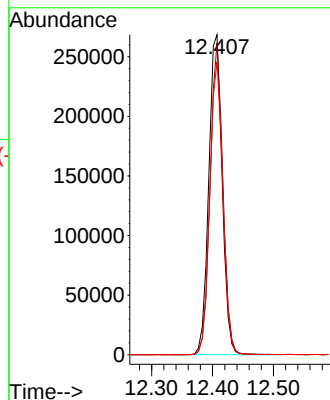
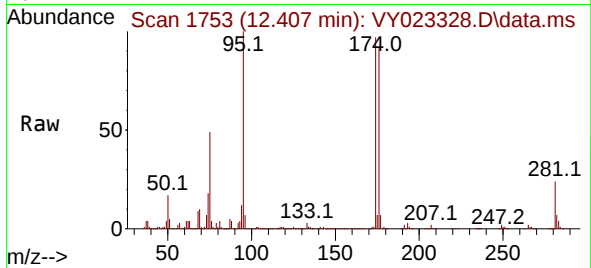




#62
4-Bromofluorobenzene
Concen: 54.593 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

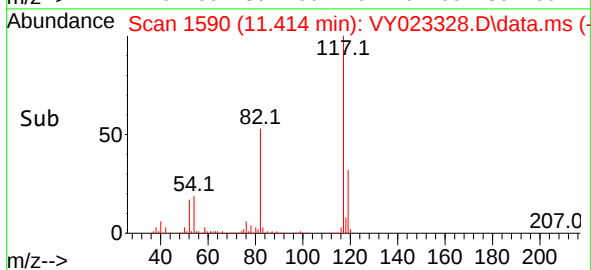
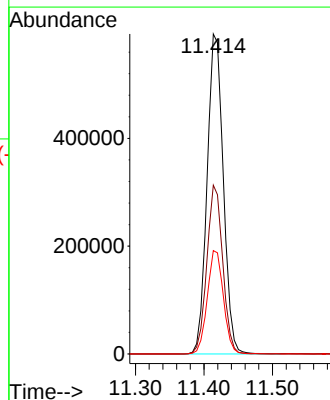
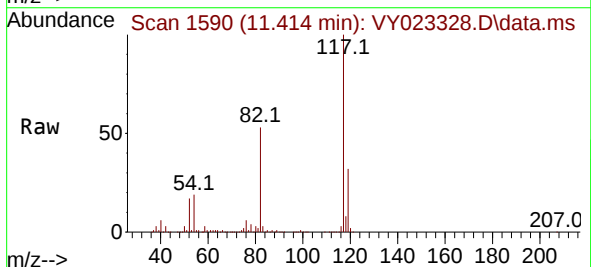
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

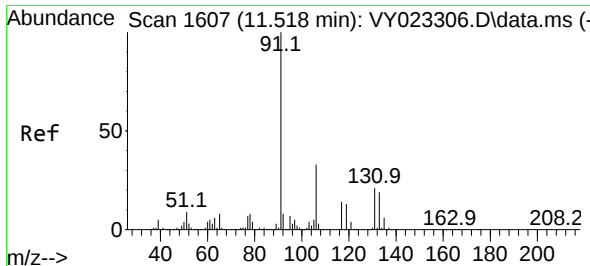
Tgt Ion: 95 Resp: 409365
Ion Ratio Lower Upper
95 100
174 93.3 0.0 171.6
176 89.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 117 Resp: 977441
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.3 25.6 38.4





#67

Ethyl Benzene

Concen: 106.388 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

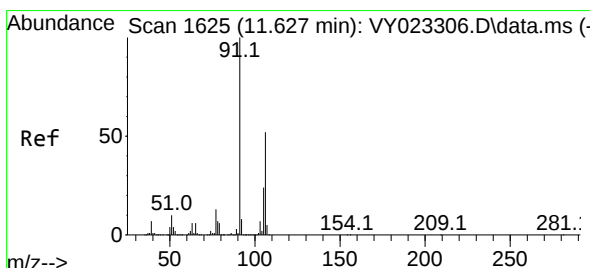
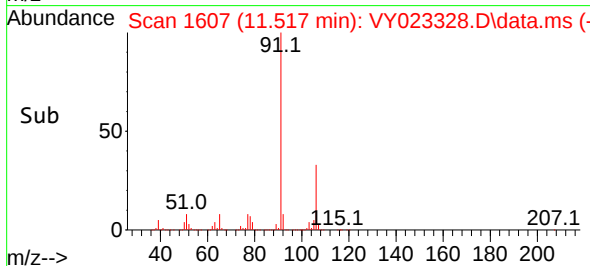
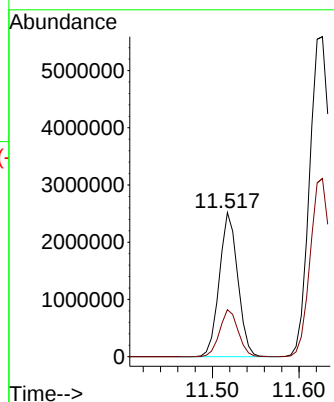
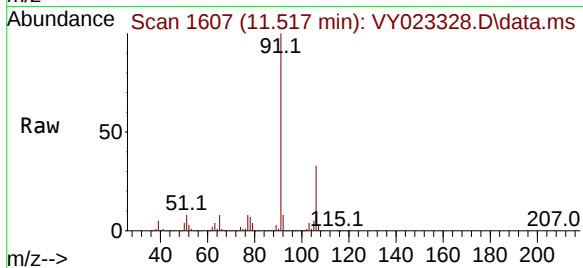
RPXY5

Tgt Ion: 91 Resp: 3721737

Ion Ratio Lower Upper

91 100

106 32.6 25.0 37.4



#68

m/p-Xylenes

Concen: 374.226 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023328.D

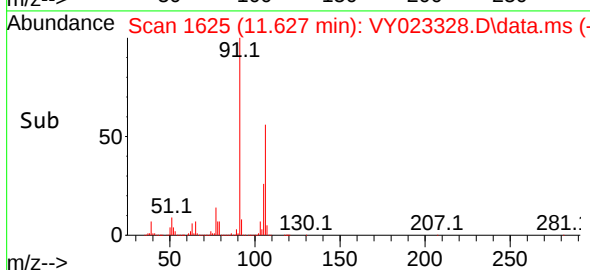
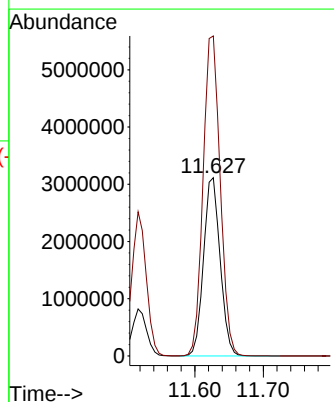
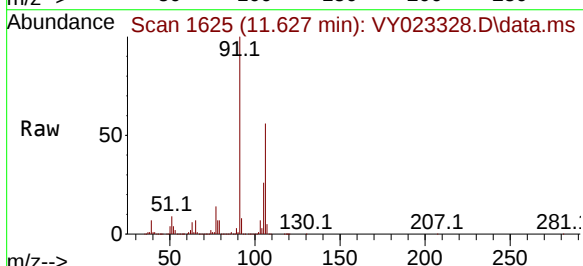
Acq: 10 Sep 2025 12:49

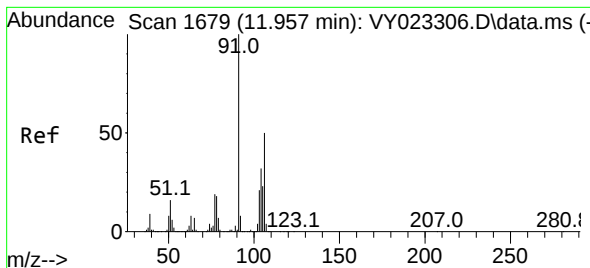
Tgt Ion:106 Resp: 5242152

Ion Ratio Lower Upper

106 100

91 185.8 158.6 238.0





#69

o-Xylene

Concen: 96.856 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

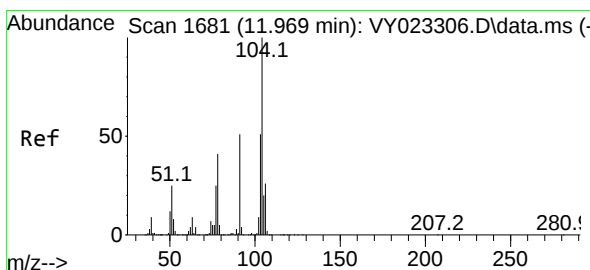
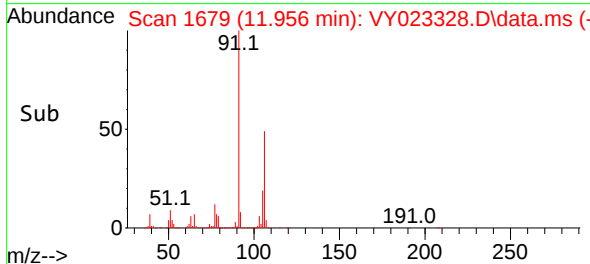
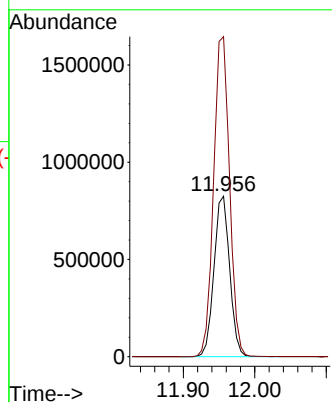
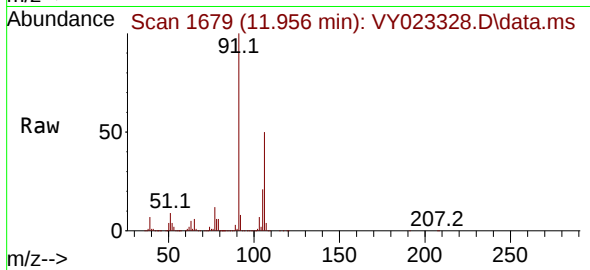
RPXY5

Tgt Ion:106 Resp: 1255978

Ion Ratio Lower Upper

106 100

91 202.8 103.2 309.4



#70

Styrene

Concen: 2.981 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. -0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

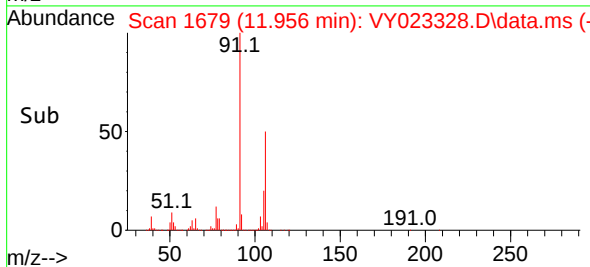
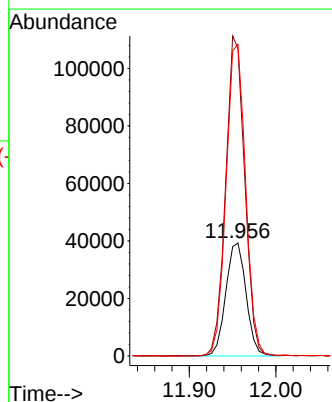
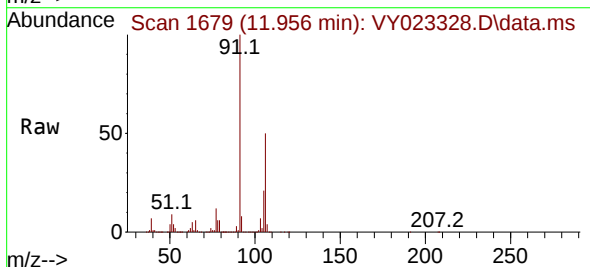
Tgt Ion:104 Resp: 64070

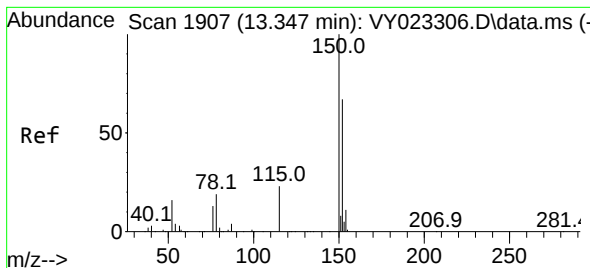
Ion Ratio Lower Upper

104 100

78 266.0 38.5 57.7#

103 266.1 43.7 65.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

RPXY5

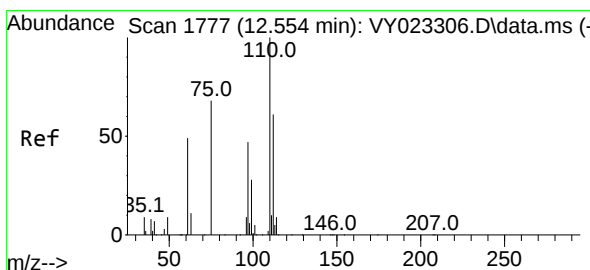
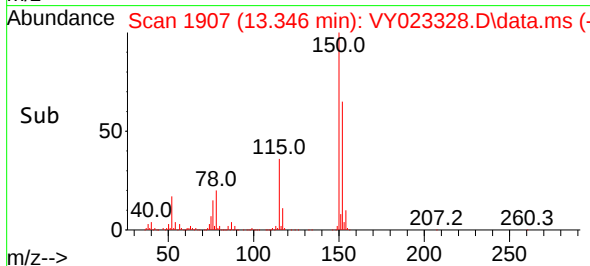
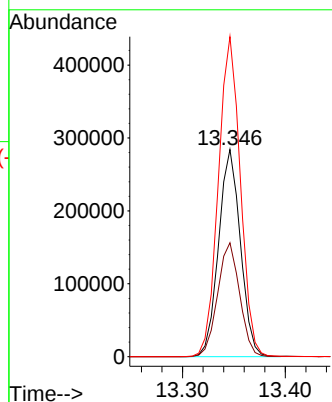
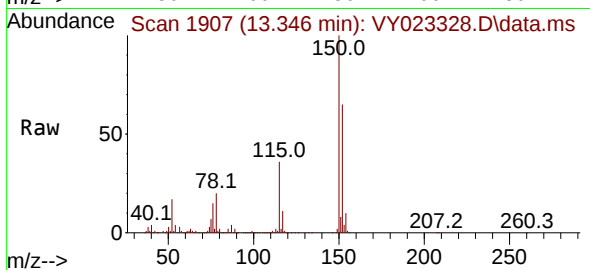
Tgt Ion:152 Resp: 418953

Ion Ratio Lower Upper

152 100

115 55.7 28.2 84.6

150 155.8 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 48.393 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.147 min

Lab File: VY023328.D

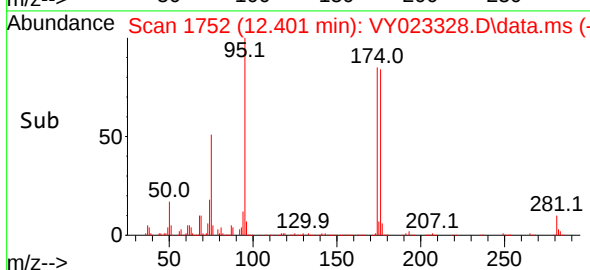
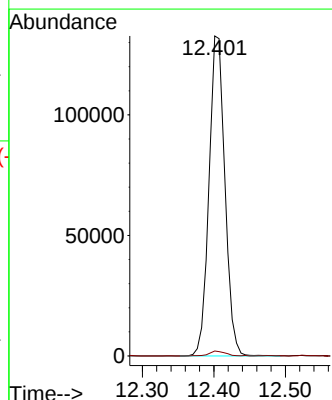
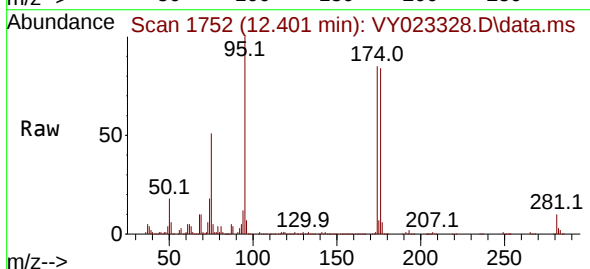
Acq: 10 Sep 2025 12:49

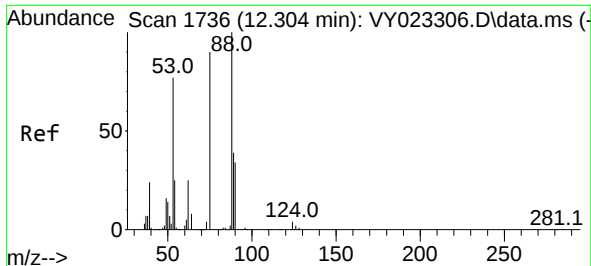
Tgt Ion: 75 Resp: 205317

Ion Ratio Lower Upper

75 100

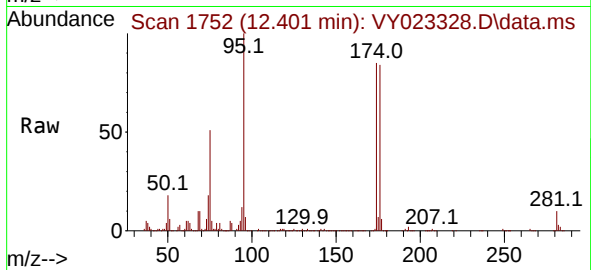
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.973 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY023328.D
 Acq: 10 Sep 2025 12:49

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPXY5



Tgt Ion: 75 Resp: 205317
 Ion Ratio Lower Upper
 75 100
 53 0.1 70.8 106.2#
 89 0.0 38.1 57.1#

