

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023517.D
 Acq On : 20 Oct 2025 18:33
 Operator : SY/MD
 Sample : Q3393-05
 Misc : 3.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 04:02:55 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	766180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1249126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1022154	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	403478	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	331851	51.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.600%	
35) Dibromofluoromethane	7.640	113	383674	49.988	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.980%	
50) Toluene-d8	10.109	98	1427189	49.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	12.401	95	430539	45.623	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.240%	

Target Compounds					Qvalue	
15) Acrylonitrile	5.140	53	3344	2.461	ug/l #	46
16) Acetone	3.872	43	52490	34.413	ug/l	95
17) Carbon Disulfide	4.110	76	141225	7.220	ug/l	99
20) Methylene Chloride	4.628	84	10878	1.319	ug/l	93
25) 2-Butanone	6.902	43	21271	11.423	ug/l	91
31) Cyclohexane	7.707	56	23696	2.223	ug/l #	27
36) 1,1-Dichloropropene	7.713	75	49739	4.895	ug/l #	48
37) Ethyl Acetate	6.902	43	21271	5.284	ug/l #	69
38) Carbon Tetrachloride	7.707	117	69091	5.608	ug/l #	16
39) Methylcyclohexane	9.109	83	87062	6.581	ug/l #	56
40) Benzene	8.079	78	81685	2.538	ug/l	99
41) Methacrylonitrile	7.268	41	3915	1.798	ug/l #	42
43) Isopropyl Acetate	8.195	43	21938	2.733	ug/l #	56
47) Bromodichloromethane	9.414	83	13949	1.232	ug/l #	27
48) Methyl methacrylate	9.256	41	8885	2.356	ug/l #	27
49) 1,4-Dioxane	9.231	88	56	1.075	ug/l #	1
51) 4-Methyl-2-Pentanone	10.042	43	41194	9.933	ug/l #	75
55) 1,1,2-Trichloroethane	10.548	97	60994	10.092	ug/l #	28
56) Ethyl methacrylate	10.408	69	34748	4.984	ug/l #	78
59) 2-Hexanone	10.731	43	260171	87.780	ug/l #	25
67) Ethyl Benzene	11.517	91	130185	3.618	ug/l	99
68) m/p-Xylenes	11.633	106	75435	5.226	ug/l	89
69) o-Xylene	11.956	106	40646	3.002	ug/l	90
73) Isopropylbenzene	12.255	105	50157	1.886	ug/l	98
74) N-amyl acetate	12.048	43	381922	79.968	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.487	83	48542	11.162	ug/l #	27
76) 1,2,3-Trichloropropane	12.401	75	192566	54.095	ug/l #	100
78) n-propylbenzene	12.590	91	50146	1.630	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	58586	2.727	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.401	75	192566	132.652	ug/l #	20
84) 1,2,4-Trimethylbenzene	13.042	105	170384	7.946	ug/l	99
85) sec-Butylbenzene	13.176	105	47211	1.659	ug/l #	70
87) 1,3-Dichlorobenzene	13.285	146	14490	1.053	ug/l #	1
88) 1,4-Dichlorobenzene	13.365	146	25691	1.890	ug/l #	1
89) n-Butylbenzene	13.615	91	34709	1.644	ug/l #	67
90) Hexachloroethane	13.889	117	12035	2.309	ug/l #	7

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Instrument :
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ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

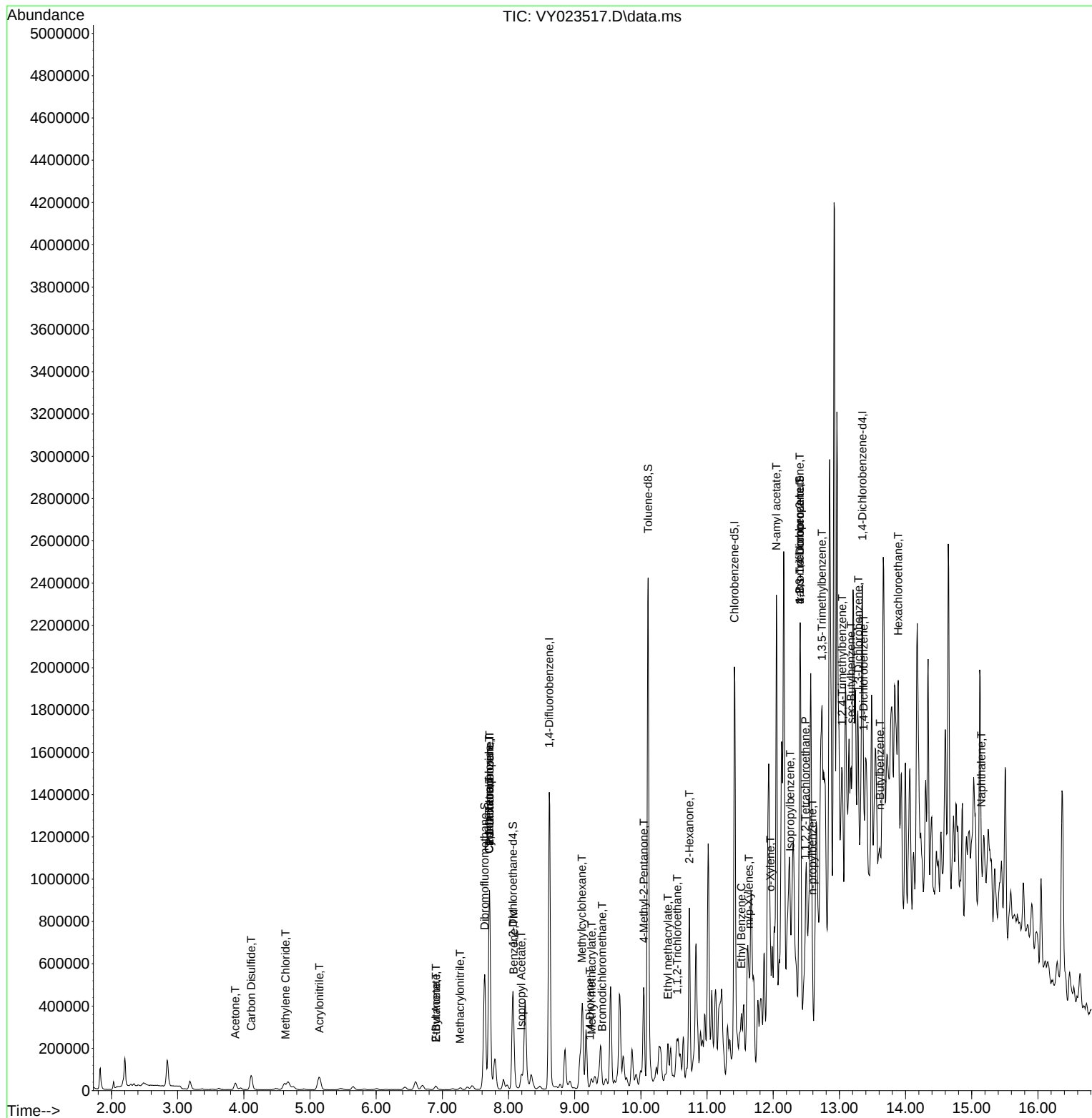
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.145	128	48346	4.035	ug/l	# 62

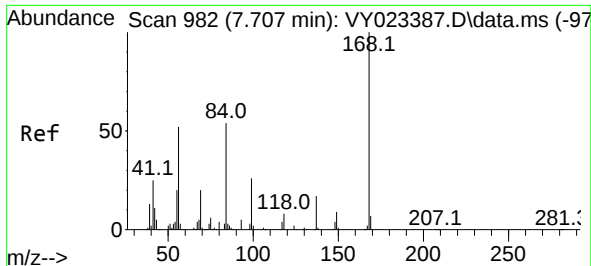
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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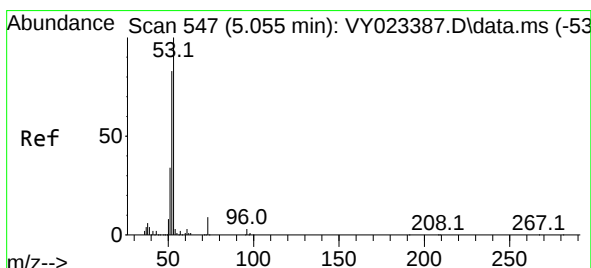
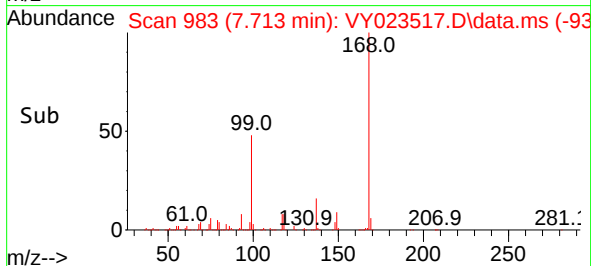
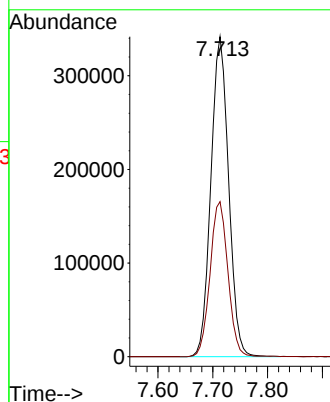
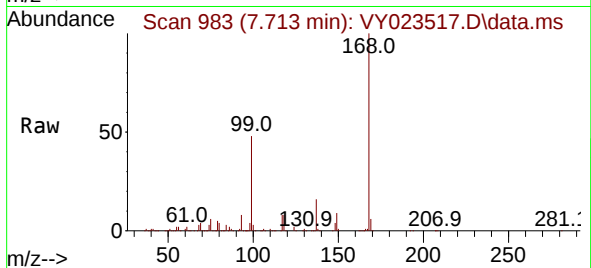




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

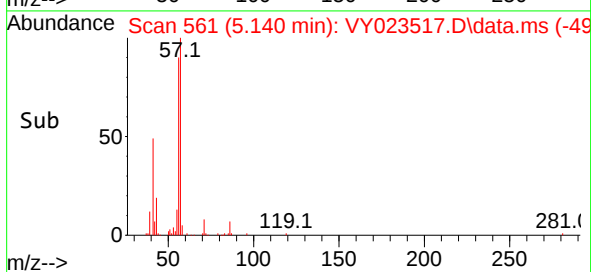
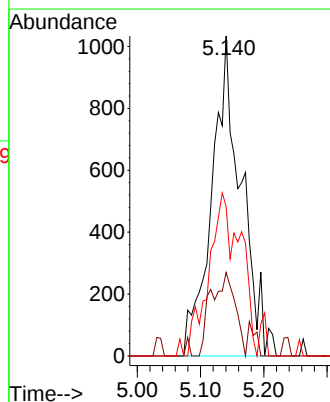
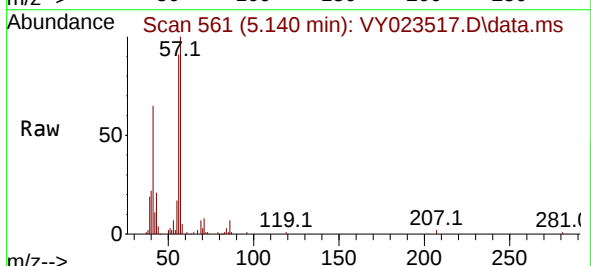
Instrument :
MSVOA_Y
ClientSampleId :

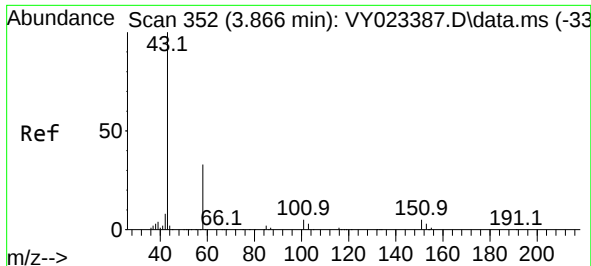
Tgt Ion:168 Resp: 766180
Ion Ratio Lower Upper
168 100
99 48.4 39.7 59.5



#15
Acrylonitrile
Concen: 2.461 ug/l
RT: 5.140 min Scan# 561
Delta R.T. 0.085 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 53 Resp: 3344
Ion Ratio Lower Upper
53 100
52 12.0 64.6 97.0#
51 35.2 29.5 44.3

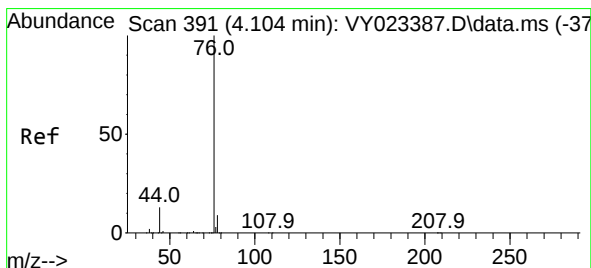
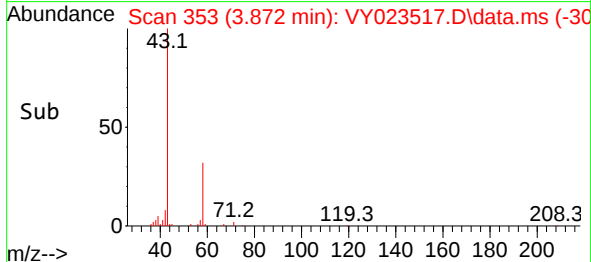
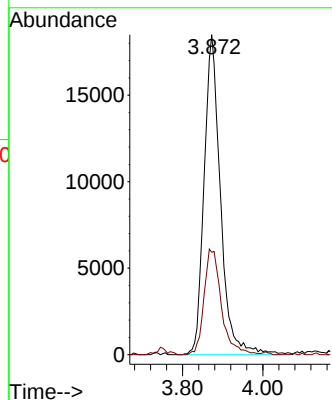
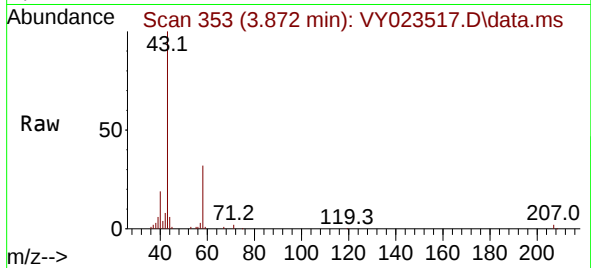




#16
Acetone
Concen: 34.413 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

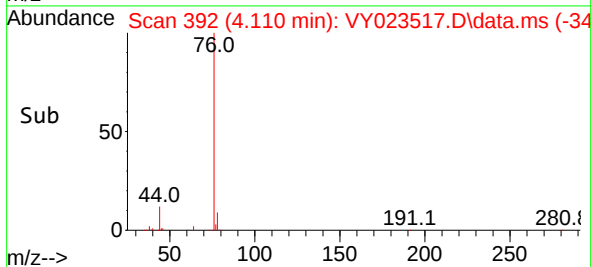
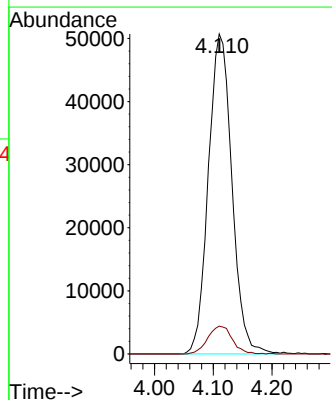
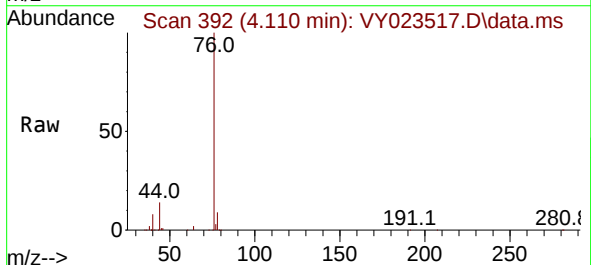
Instrument :
MSVOA_Y
ClientSampleId :

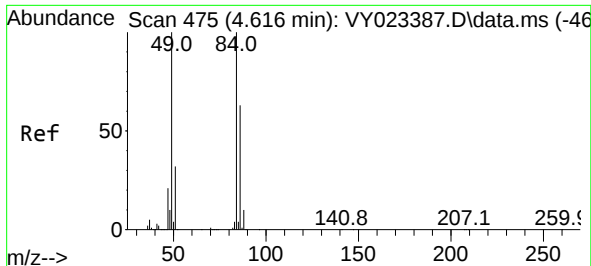
Tgt Ion: 43 Resp: 52490
Ion Ratio Lower Upper
43 100
58 32.0 27.7 41.5



#17
Carbon Disulfide
Concen: 7.220 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

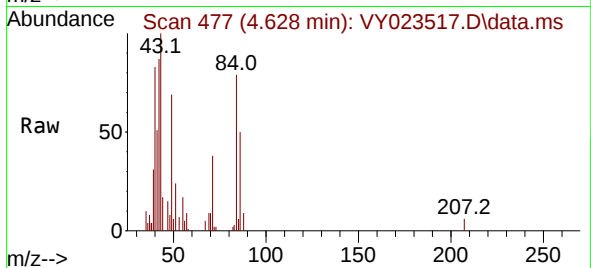
Tgt Ion: 76 Resp: 141225
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



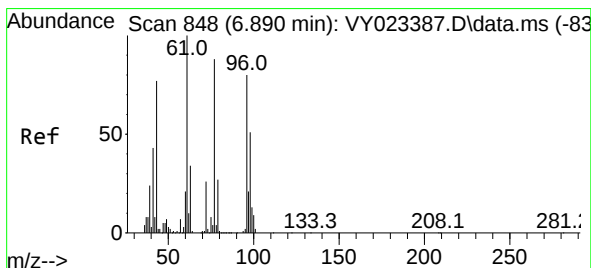
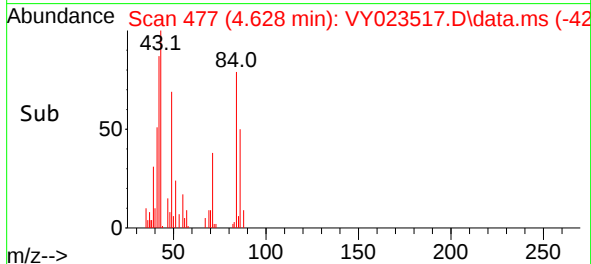
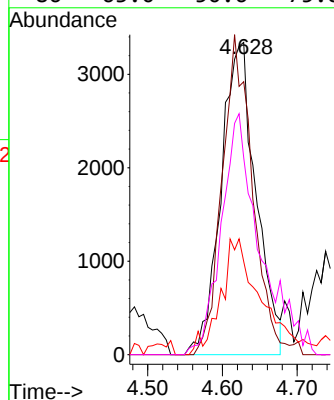


#20
Methylene Chloride
Concen: 1.319 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :

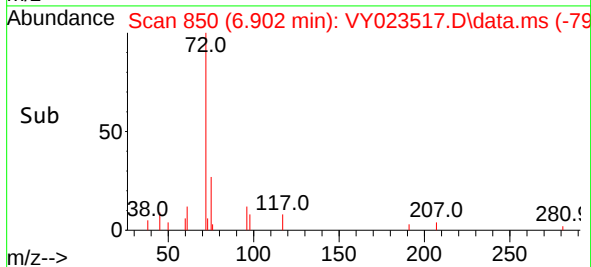
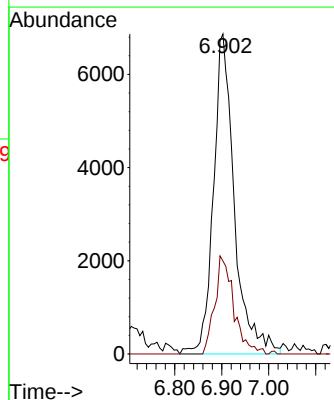
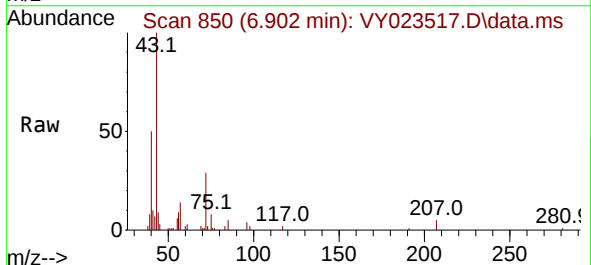


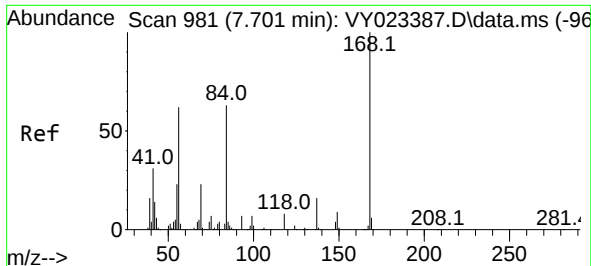
Tgt Ion: 84	Resp: 10878
Ion Ratio	Lower Upper
84 100	
49 87.4	80.2 120.4
51 29.8	25.9 38.9
86 63.0	50.6 75.8



#25
2-Butanone
Concen: 11.423 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 43	Resp: 21271
Ion Ratio	Lower Upper
43 100	
72 29.1	27.4 41.2

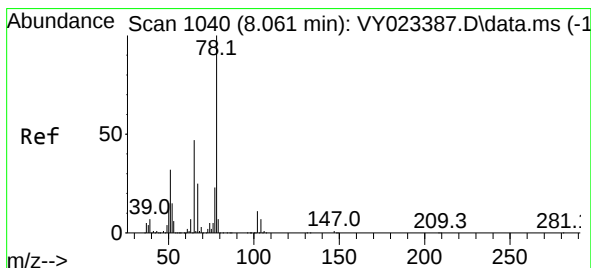
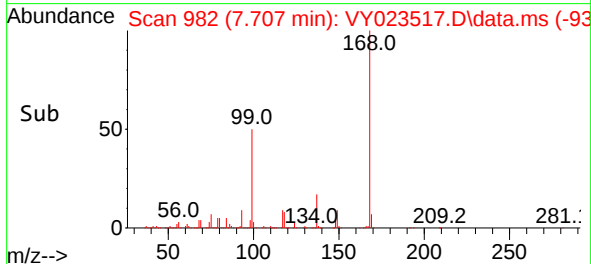
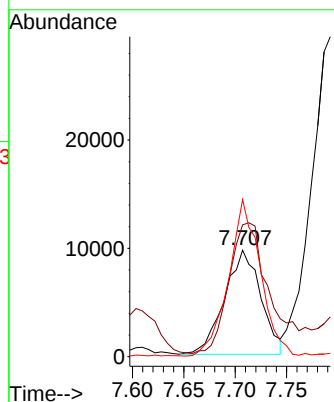
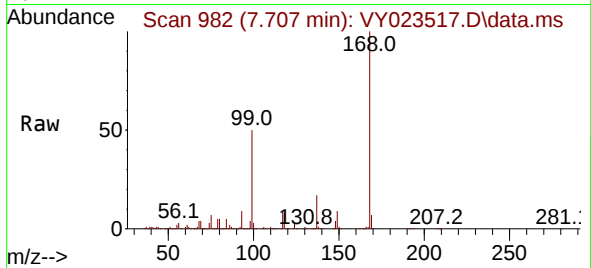




#31
Cyclohexane
Concen: 2.223 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

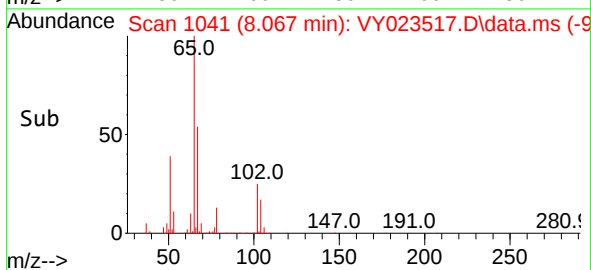
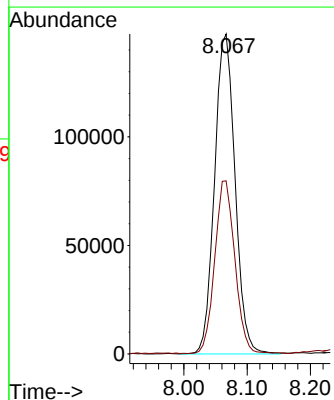
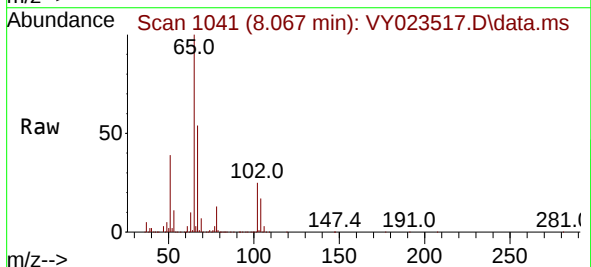
Instrument :
MSVOA_Y
ClientSampleId :

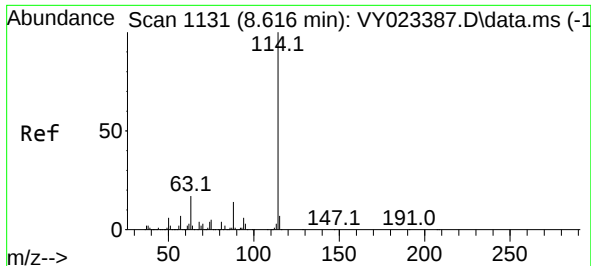
Tgt Ion: 56 Resp: 23696
Ion Ratio Lower Upper
56 100
69 121.9 30.0 45.0#
84 149.9 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 51.796 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 65 Resp: 331851
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

Instrument :

MSVOA_Y

ClientSampleId :

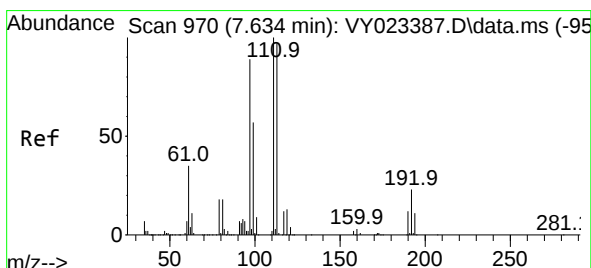
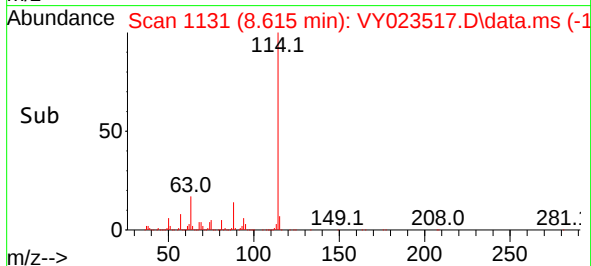
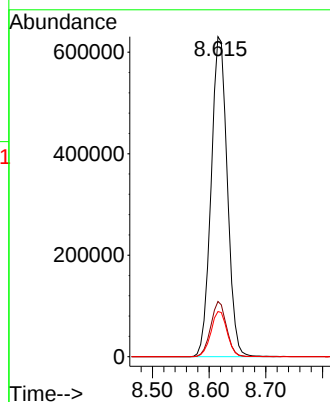
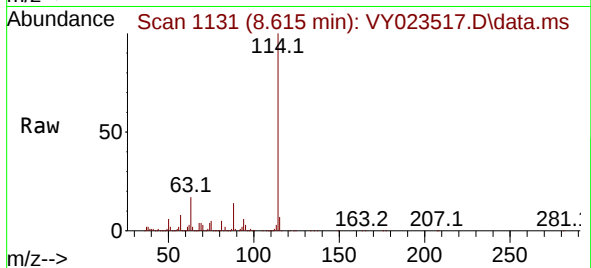
Tgt Ion:114 Resp: 1249126

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.1 0.0 28.4



#35

Dibromofluoromethane

Concen: 49.988 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

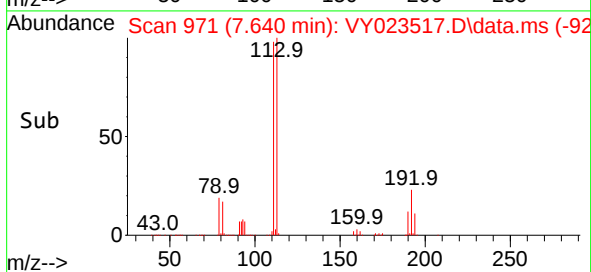
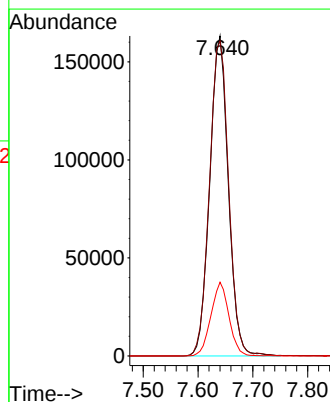
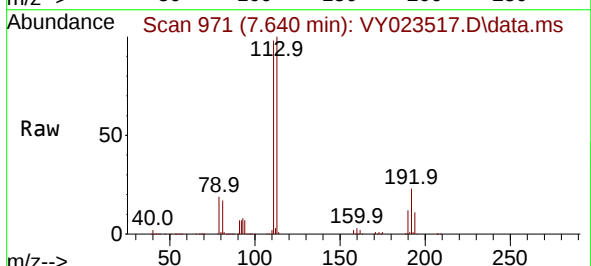
Tgt Ion:113 Resp: 383674

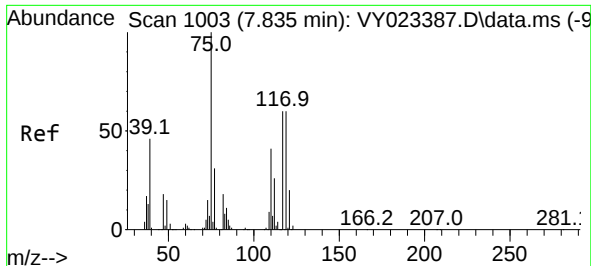
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.6

192 22.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.895 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

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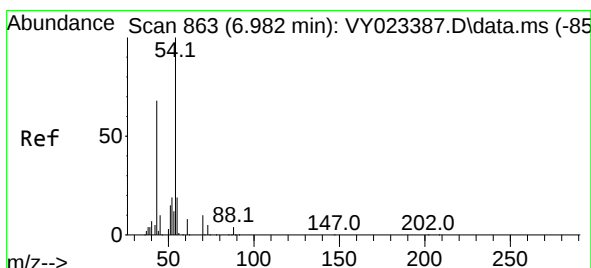
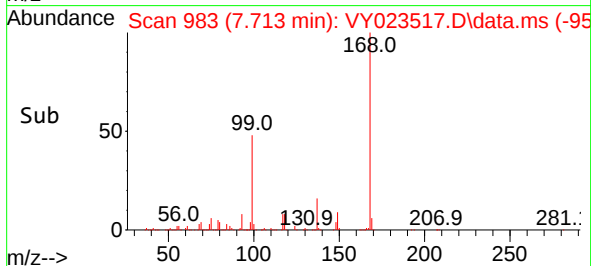
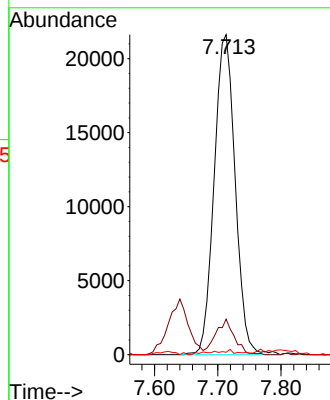
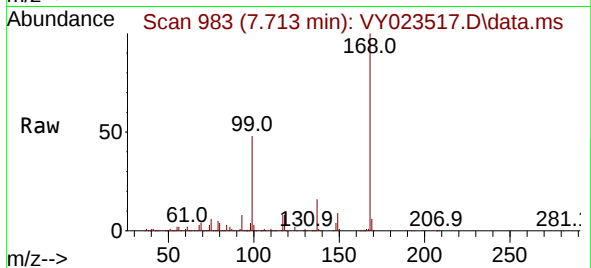
Tgt Ion: 75 Resp: 49739

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 0.0 25.0 37.6#



#37

Ethyl Acetate

Concen: 5.284 ug/l

RT: 6.902 min Scan# 850

Delta R.T. -0.079 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

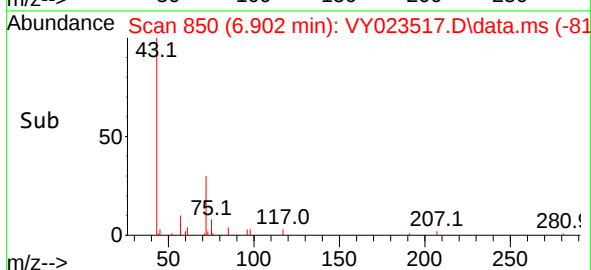
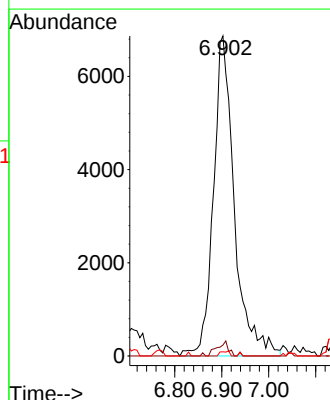
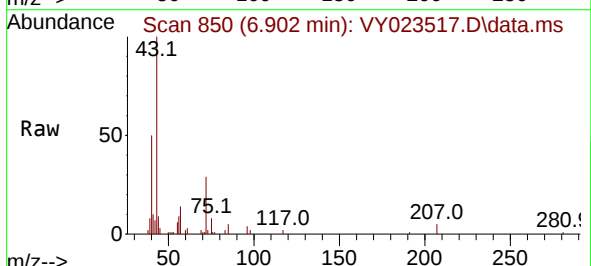
Tgt Ion: 43 Resp: 21271

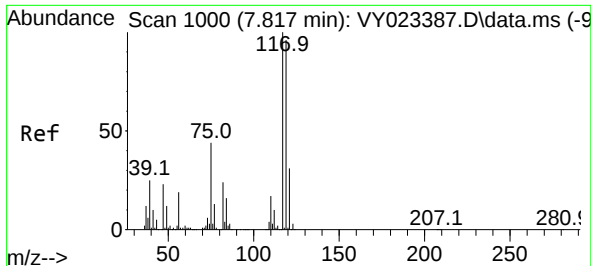
Ion Ratio Lower Upper

43 100

61 2.5 11.8 17.8#

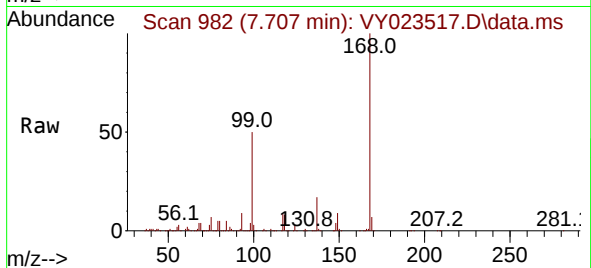
70 0.6 10.5 15.7#



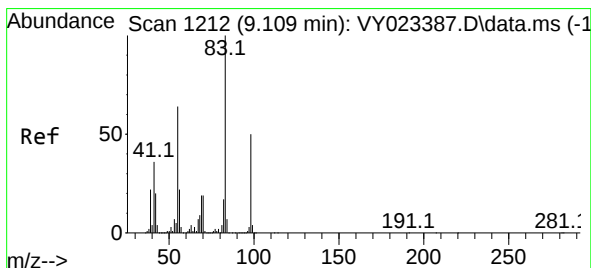
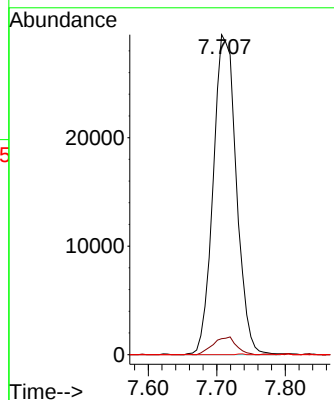
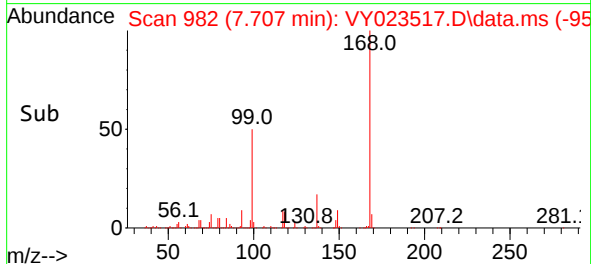


#38
Carbon Tetrachloride
Concen: 5.608 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :

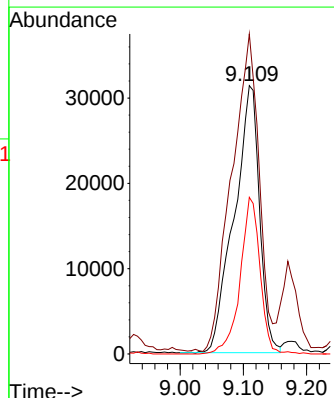
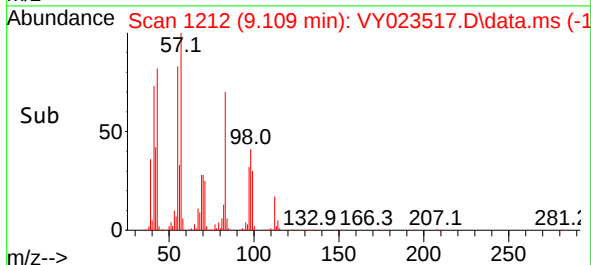
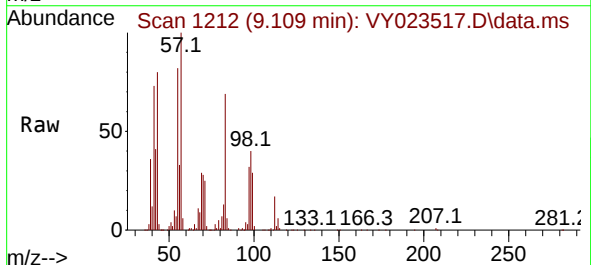


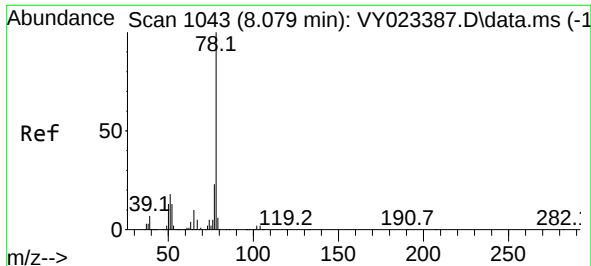
Tgt Ion:117 Resp: 69091
Ion Ratio Lower Upper
117 100
119 5.0 76.8 115.2#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 6.581 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 83 Resp: 87062
Ion Ratio Lower Upper
83 100
55 118.3 51.4 77.2#
98 58.7 40.4 60.6

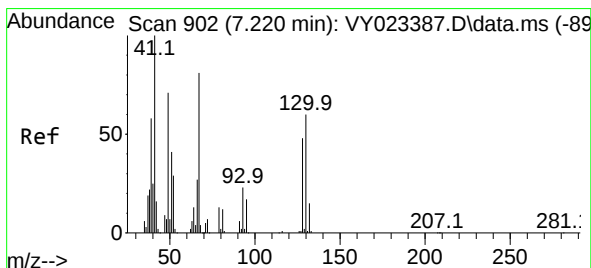
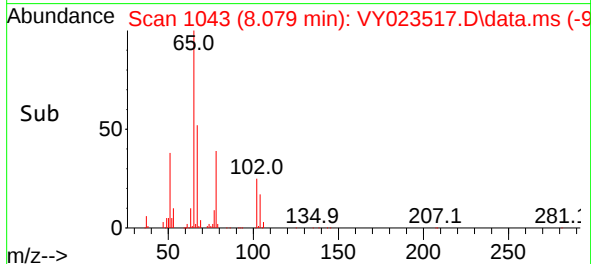
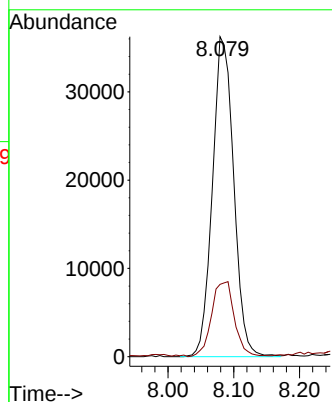
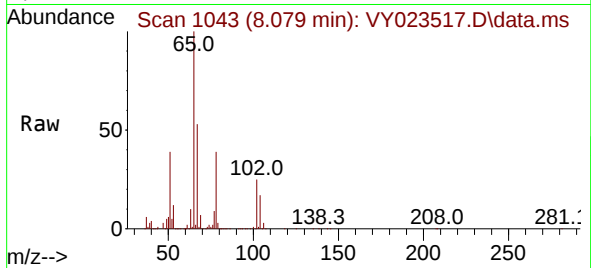




#40
Benzene
Concen: 2.538 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

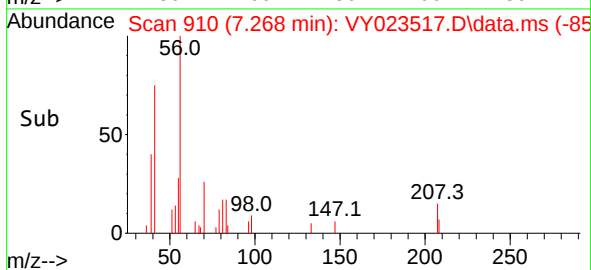
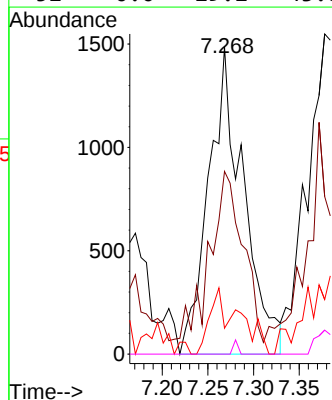
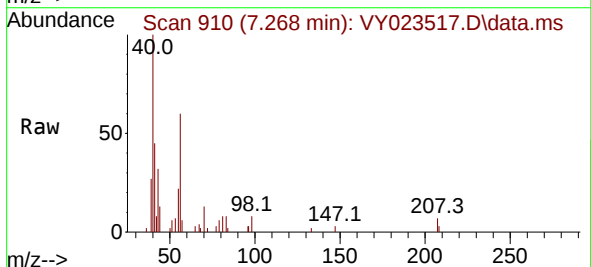
Instrument :
MSVOA_Y
ClientSampleId :

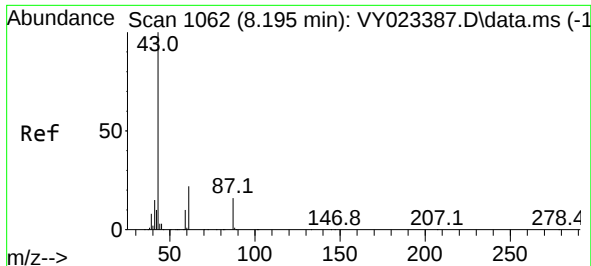
Tgt Ion: 78 Resp: 81685
Ion Ratio Lower Upper
78 100
77 22.3 18.3 27.5



#41
Methacrylonitrile
Concen: 1.798 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.049 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 41 Resp: 3915
Ion Ratio Lower Upper
41 100
39 52.9 52.2 78.4
67 10.0 74.9 112.3#
52 0.0 29.2 43.8#

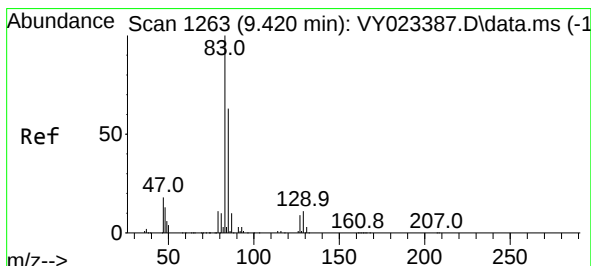
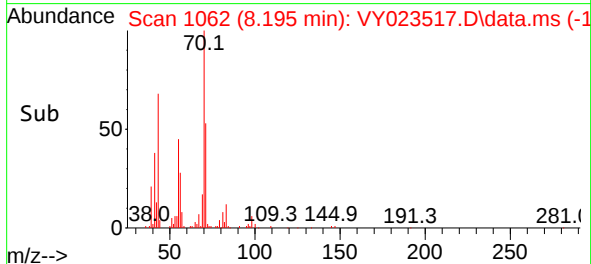
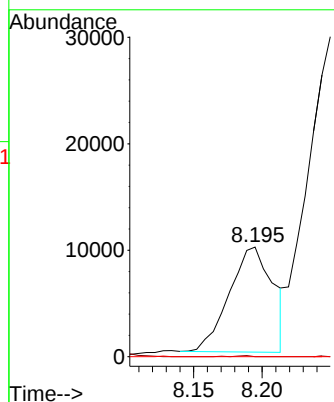
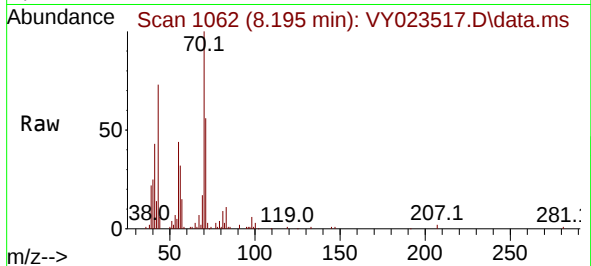




#43
Isopropyl Acetate
Concen: 2.733 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

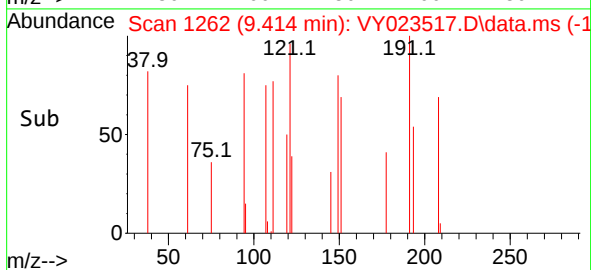
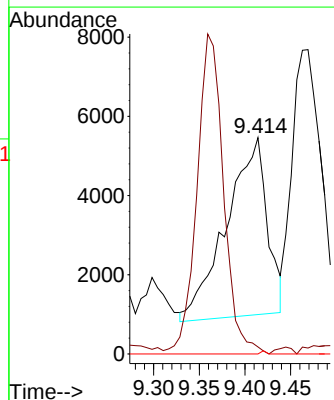
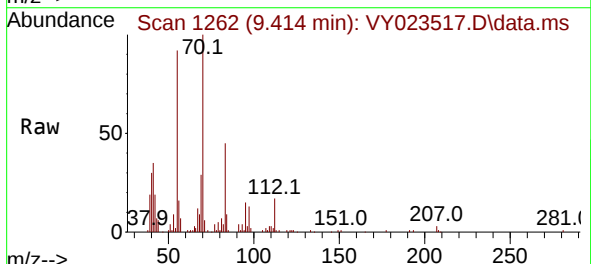
Instrument :
MSVOA_Y
ClientSampleId :

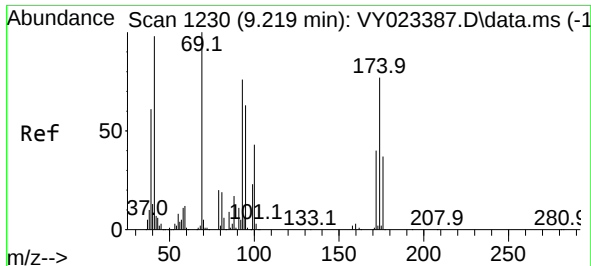
Tgt Ion: 43 Resp: 21938
Ion Ratio Lower Upper
43 100
61 0.0 18.1 27.1#
87 0.0 13.5 20.3#



#47
Bromodichloromethane
Concen: 1.232 ug/l
RT: 9.414 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 83 Resp: 13949
Ion Ratio Lower Upper
83 100
85 1.0 50.8 76.2#
127 0.0 7.4 11.2#





#48

Methyl methacrylate

Concen: 2.356 ug/l

RT: 9.256 min Scan# 11

Delta R.T. 0.036 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

Instrument :

MSVOA_Y

ClientSampleId :

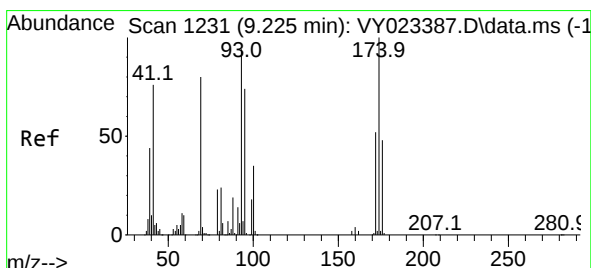
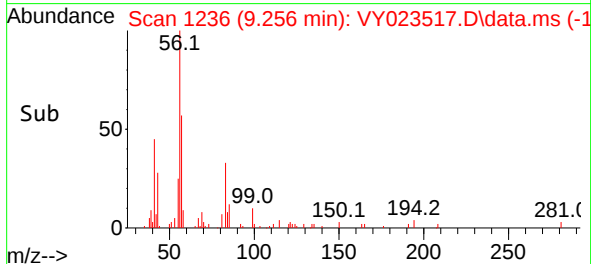
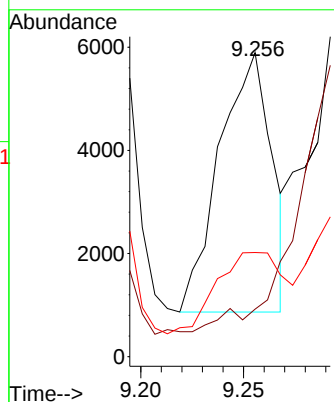
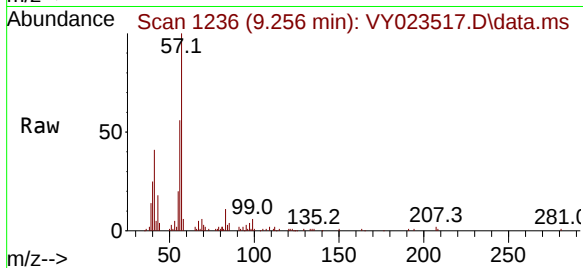
Tgt Ion: 41 Resp: 8885

Ion Ratio Lower Upper

41 100

69 0.0 81.0 121.4#

39 40.9 48.2 72.4#



#49

1,4-Dioxane

Concen: 1.075 ug/l

RT: 9.231 min Scan# 1232

Delta R.T. 0.006 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

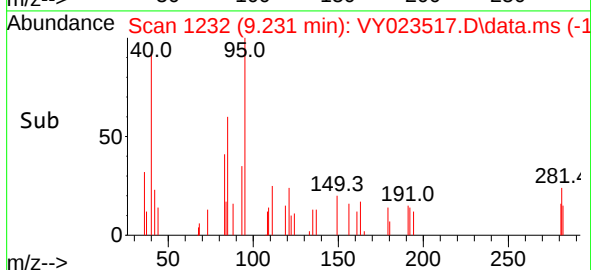
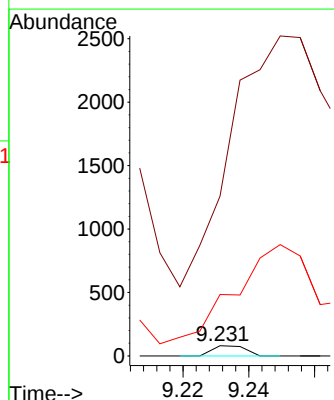
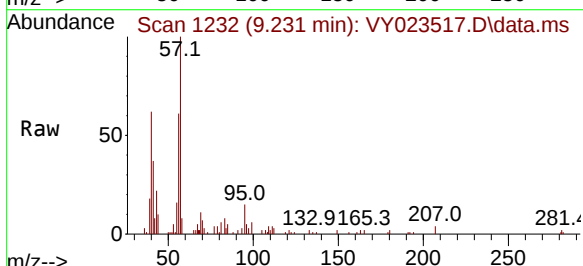
Tgt Ion: 88 Resp: 56

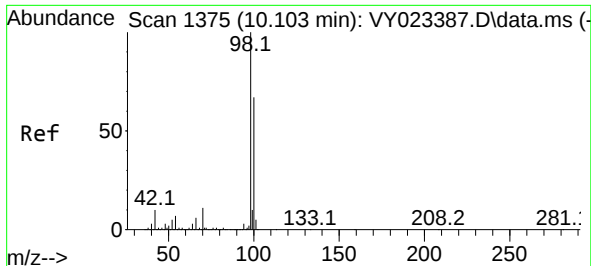
Ion Ratio Lower Upper

88 100

43 9685.7 21.8 32.8#

58 3669.6 46.8 70.2#

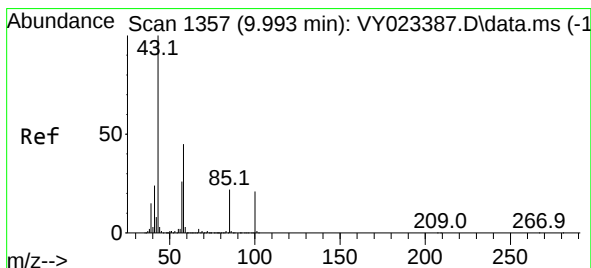
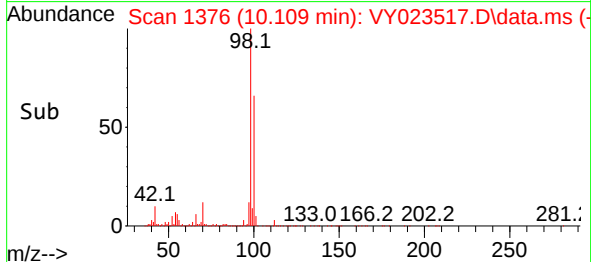
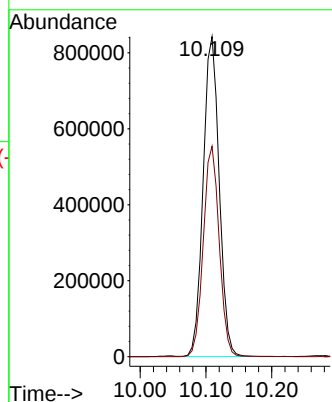
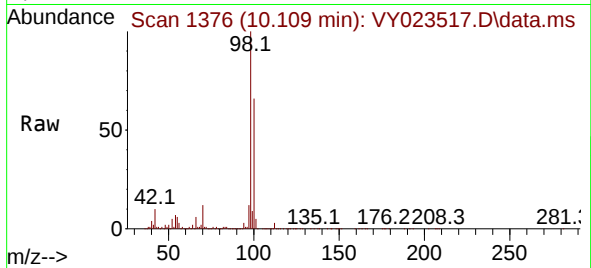




#50
Toluene-d8
Concen: 49.930 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

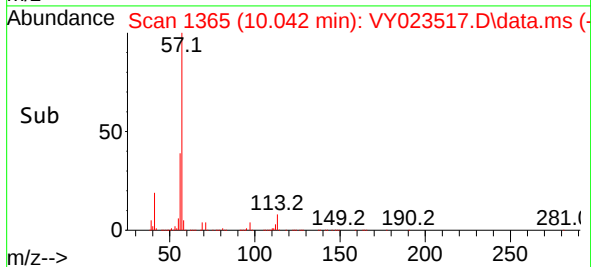
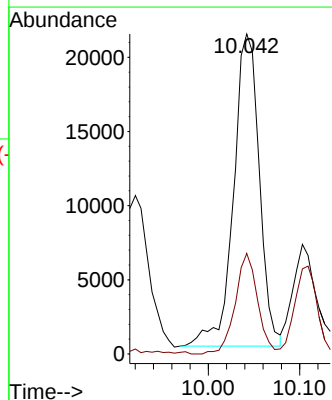
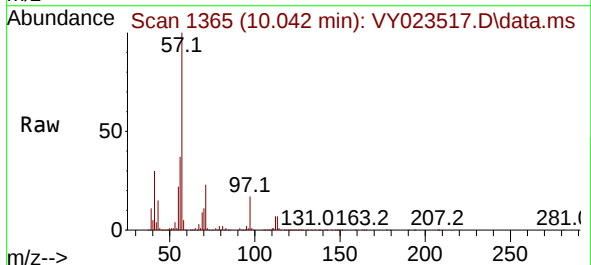
Instrument :
MSVOA_Y
ClientSampleId :

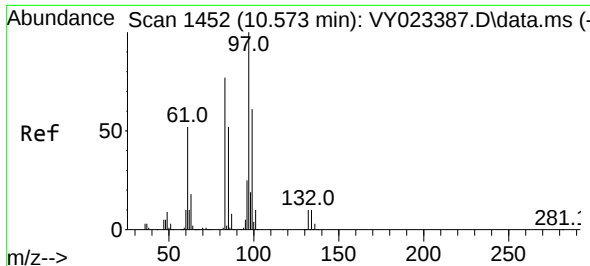
Tgt Ion: 98 Resp: 1427189
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 9.933 ug/l
RT: 10.042 min Scan# 1365
Delta R.T. 0.049 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

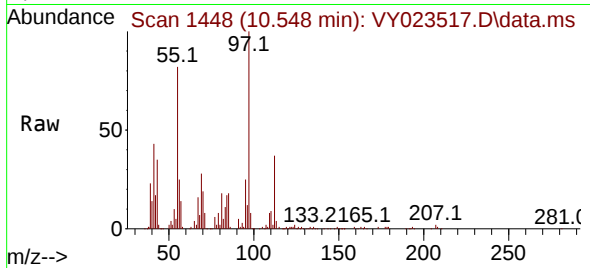
Tgt Ion: 43 Resp: 41194
Ion Ratio Lower Upper
43 100
58 27.8 35.3 52.9#



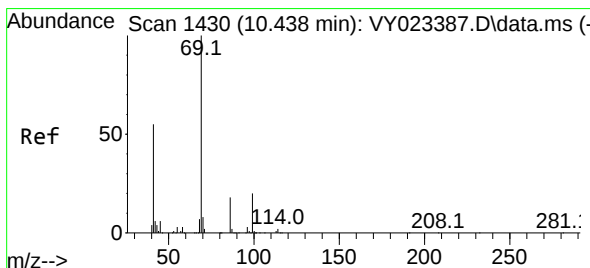
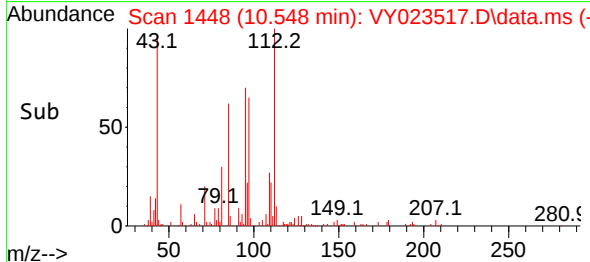
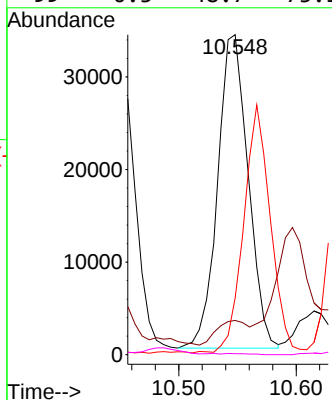


#55
1,1,2-Trichloroethane
Concen: 10.092 ug/l
RT: 10.548 min Scan# 1452
Delta R.T. -0.025 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :

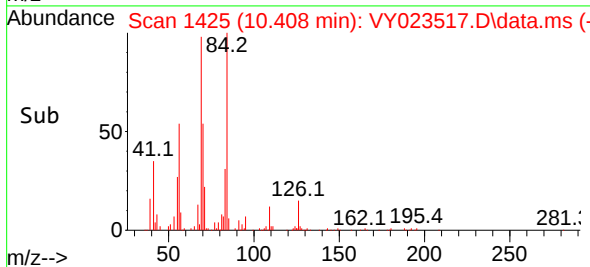
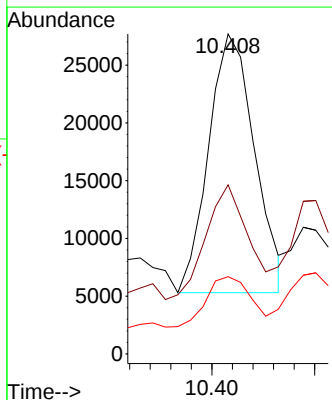
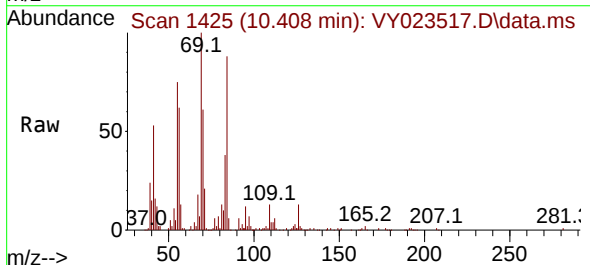


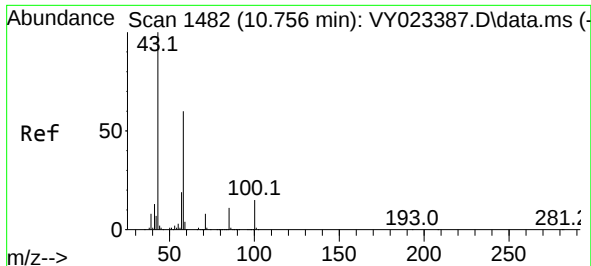
Tgt Ion: 97	Resp: 60994
Ion Ratio	Lower Upper
97 100	
83 6.8	61.8 92.6#
85 17.2	41.3 61.9#
99 0.3	48.7 73.1#



#56
Ethyl methacrylate
Concen: 4.984 ug/l
RT: 10.408 min Scan# 1425
Delta R.T. -0.031 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 69	Resp: 34748
Ion Ratio	Lower Upper
69 100	
41 41.0	44.6 67.0#
39 18.8	27.0 40.4#

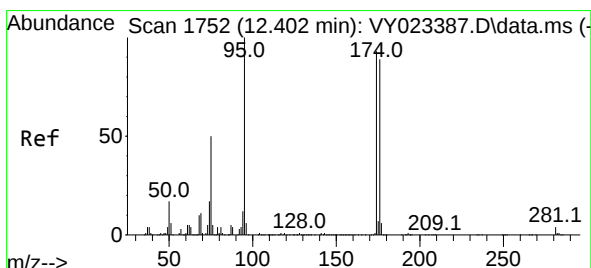
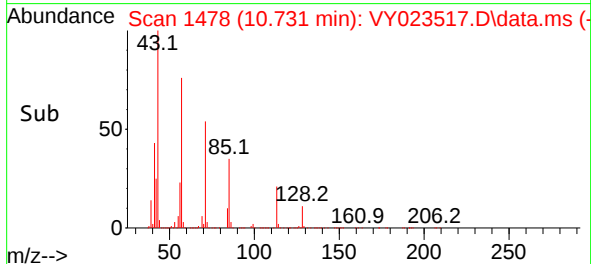
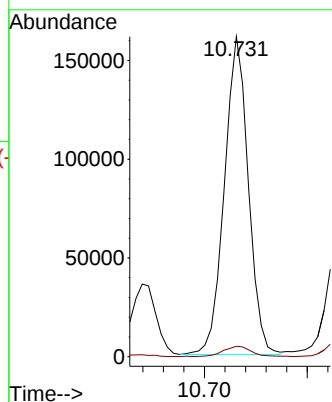
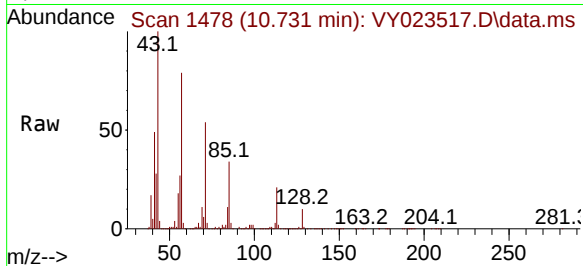




#59
2-Hexanone
Concen: 87.780 ug/l
RT: 10.731 min Scan# 1482
Delta R.T. -0.025 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

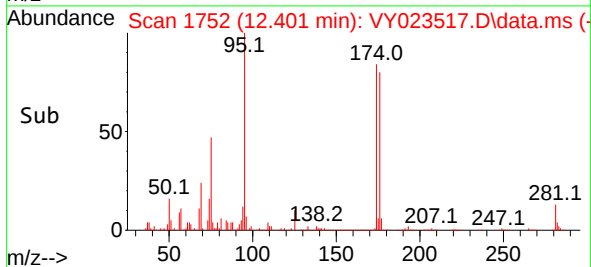
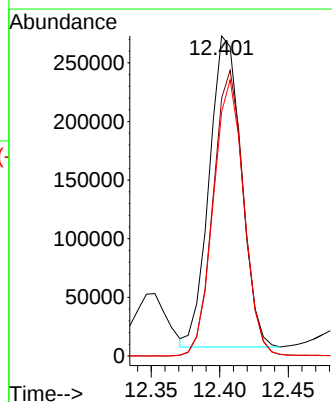
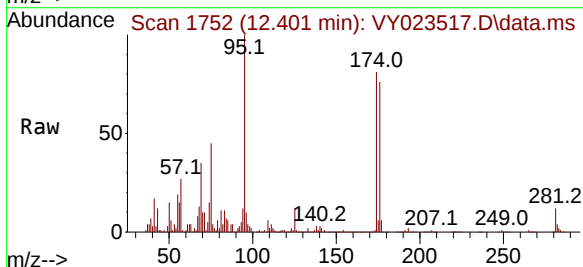
Instrument :
MSVOA_Y
ClientSampleId :

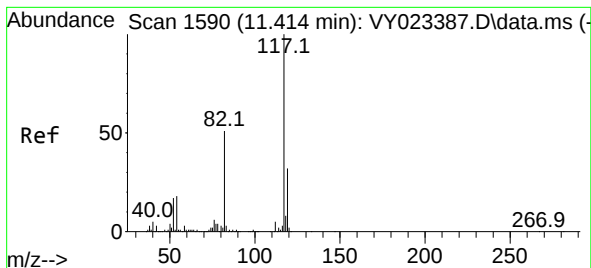
Tgt Ion: 43 Resp: 260171
Ion Ratio Lower Upper
43 100
58 3.7 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 45.623 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 95 Resp: 430539
Ion Ratio Lower Upper
95 100
174 88.3 0.0 192.8
176 85.2 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023517.D

Acq: 20 Oct 2025 18:33

Instrument :

MSVOA_Y

ClientSampleId :

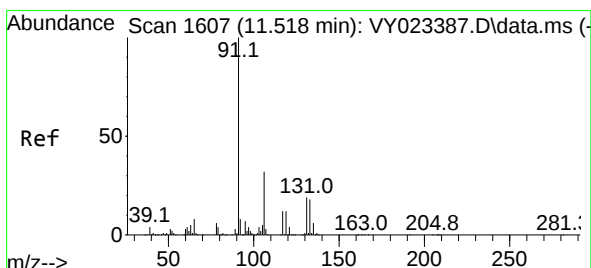
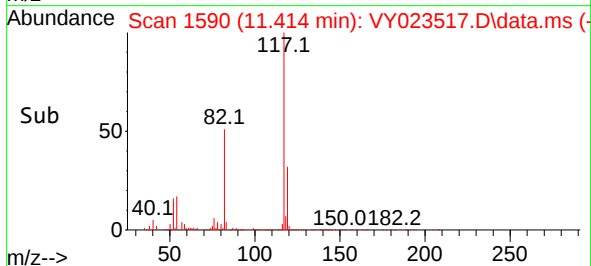
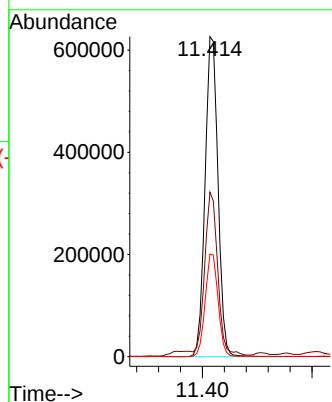
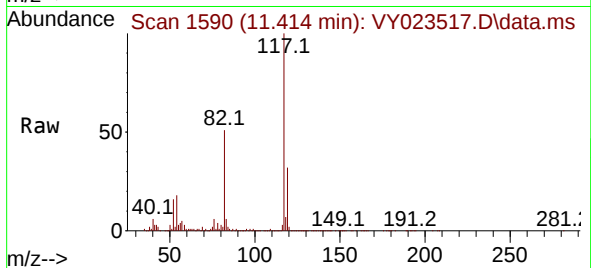
Tgt Ion:117 Resp: 1022154

Ion Ratio Lower Upper

117 100

82 50.6 41.0 61.4

119 32.0 25.6 38.4



#67

Ethyl Benzene

Concen: 3.618 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.000 min

Lab File: VY023517.D

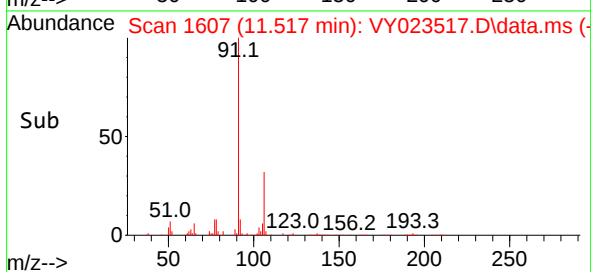
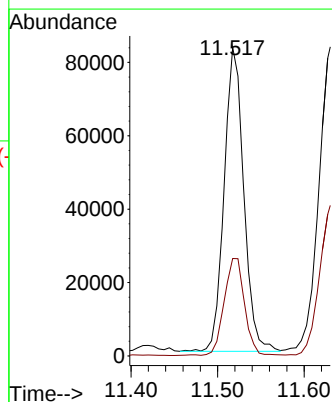
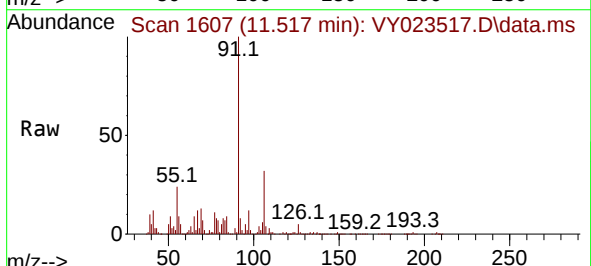
Acq: 20 Oct 2025 18:33

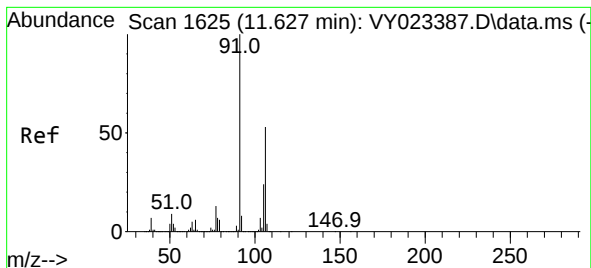
Tgt Ion: 91 Resp: 130185

Ion Ratio Lower Upper

91 100

106 31.8 25.8 38.8

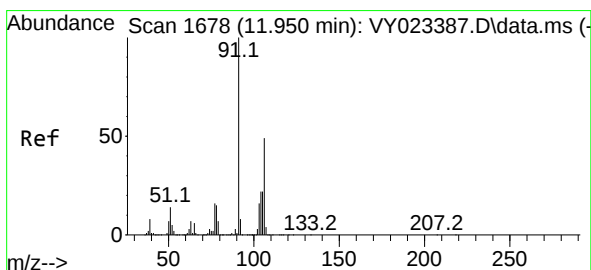
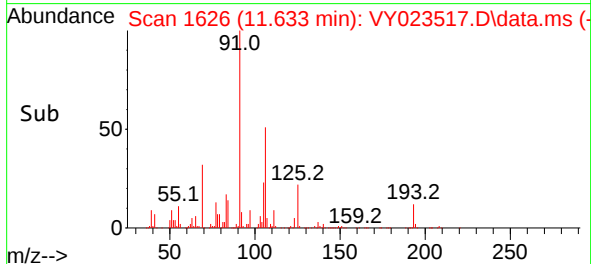
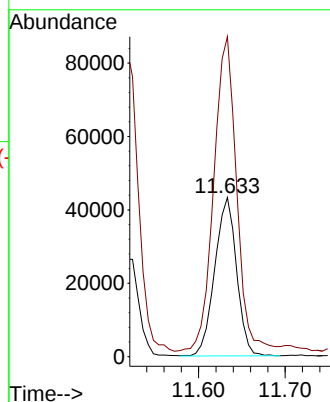
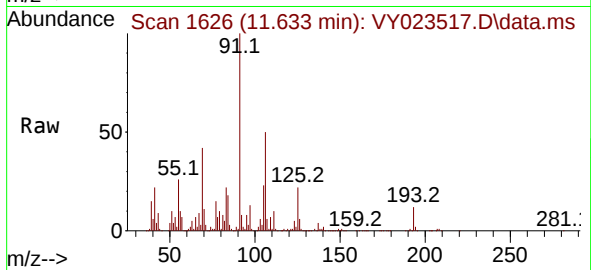




#68
m/p-Xylenes
Concen: 5.226 ug/l
RT: 11.633 min Scan# 1626
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

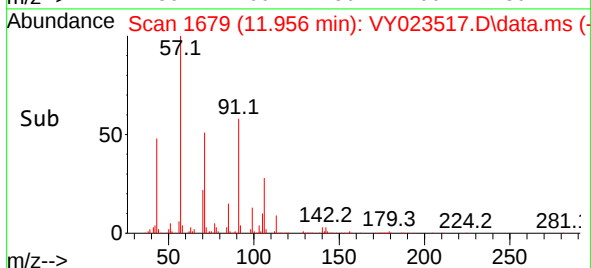
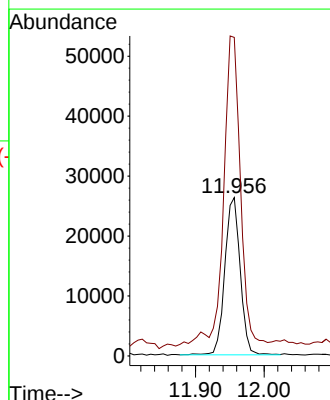
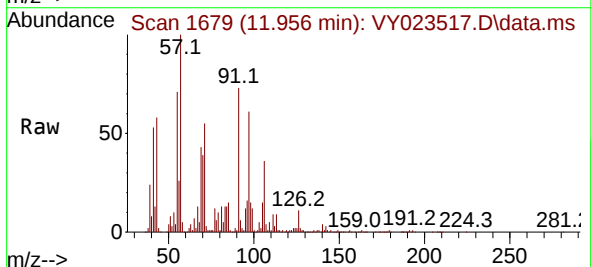
Instrument :
MSVOA_Y
ClientSampleId :

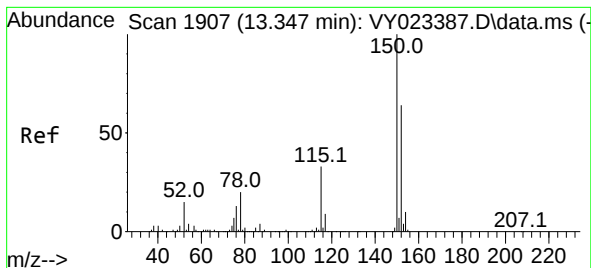
Tgt Ion:106 Resp: 75435
Ion Ratio Lower Upper
106 100
91 207.3 152.6 229.0



#69
o-Xylene
Concen: 3.002 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion:106 Resp: 40646
Ion Ratio Lower Upper
106 100
91 217.6 101.4 304.1

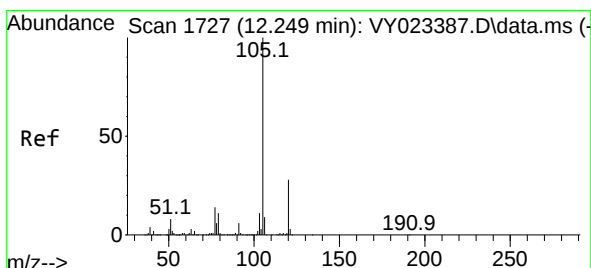
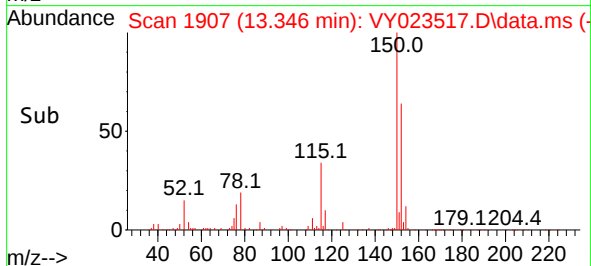
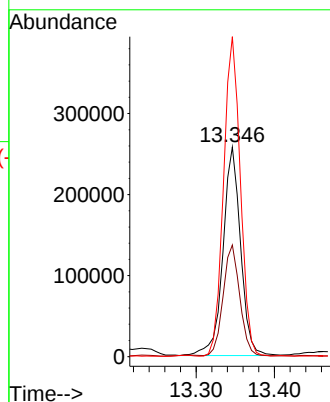
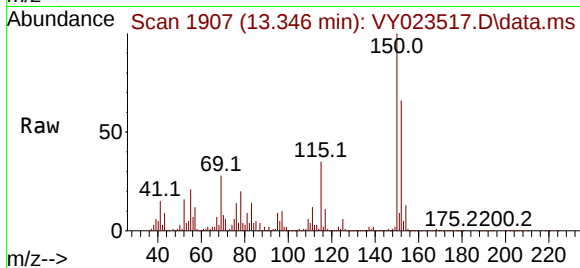




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023517.D
 Acq: 20 Oct 2025 18:33

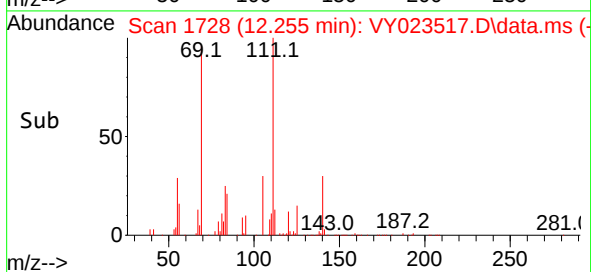
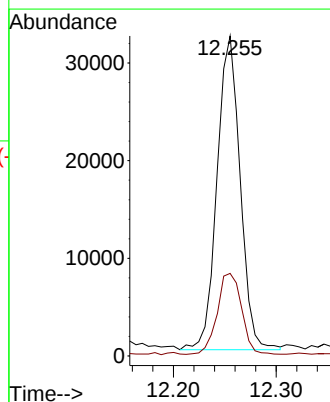
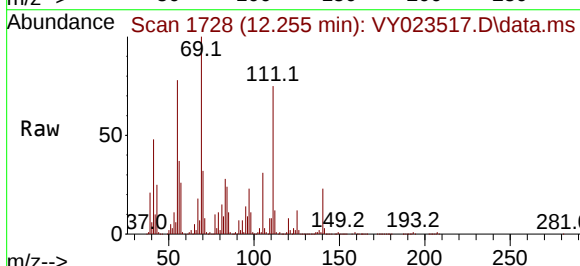
Instrument :
 MSVOA_Y
 ClientSampleId :

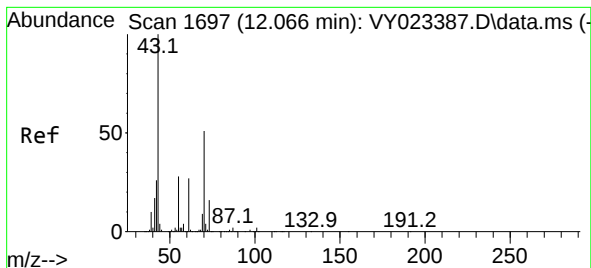
Tgt Ion:152 Resp: 403478
 Ion Ratio Lower Upper
 152 100
 115 50.3 27.1 81.2
 150 145.7 0.0 347.4



#73
 Isopropylbenzene
 Concen: 1.886 ug/l
 RT: 12.255 min Scan# 1728
 Delta R.T. 0.006 min
 Lab File: VY023517.D
 Acq: 20 Oct 2025 18:33

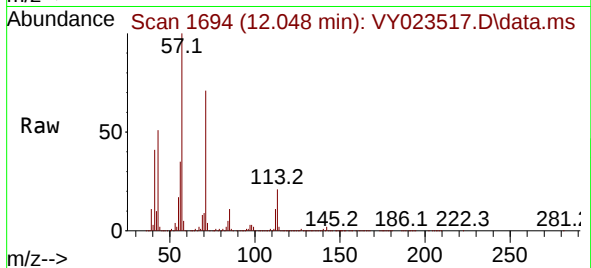
Tgt Ion:105 Resp: 50157
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.9 41.7



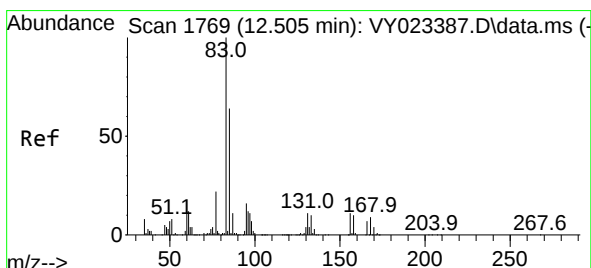
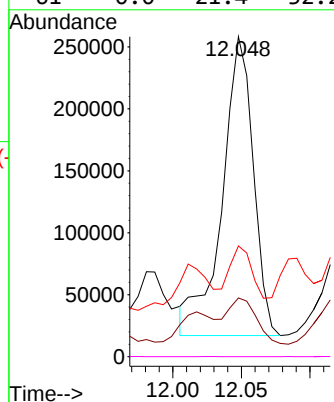
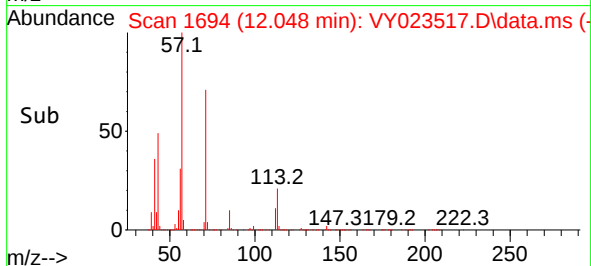


#74
N-amy1 acetate
Concen: 79.968 ug/l
RT: 12.048 min Scan# 1694
Delta R.T. -0.018 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Instrument :
MSVOA_Y
ClientSampleId :

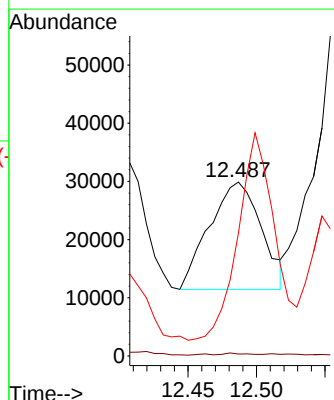
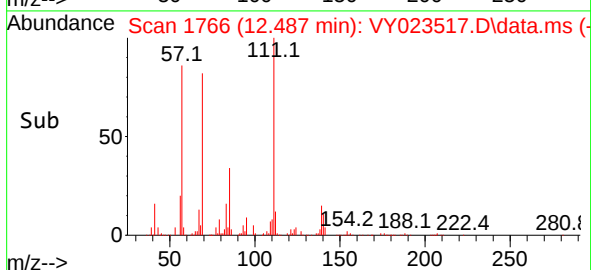
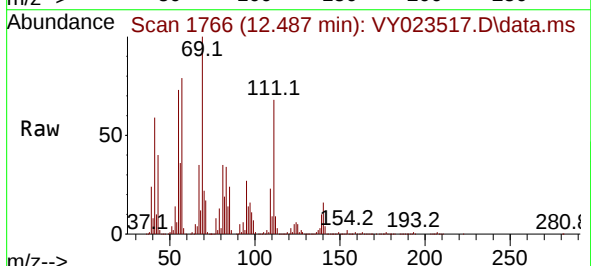


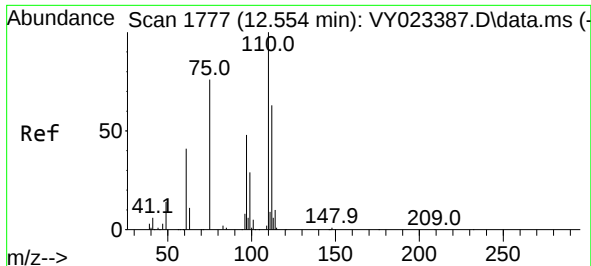
Tgt Ion: 43 Resp: 381922
Ion Ratio Lower Upper
43 100
70 15.3 41.1 61.7#
55 24.5 23.0 34.6
61 0.0 21.4 32.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 11.162 ug/l
RT: 12.487 min Scan# 1766
Delta R.T. -0.018 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 83 Resp: 48542
Ion Ratio Lower Upper
83 100
131 0.6 5.9 17.6#
85 0.0 31.8 95.3#

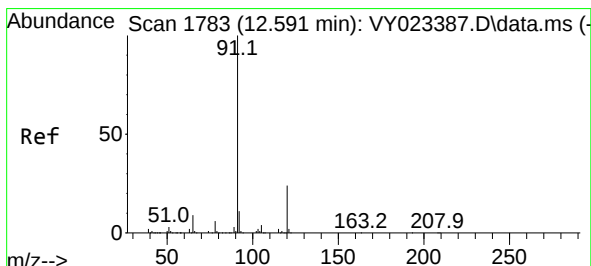
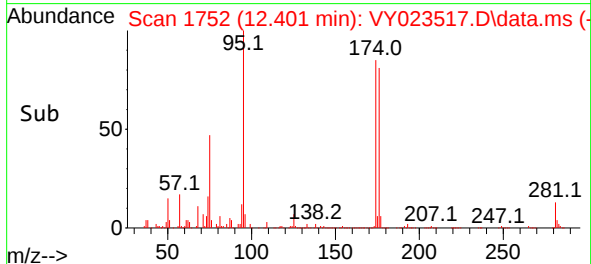
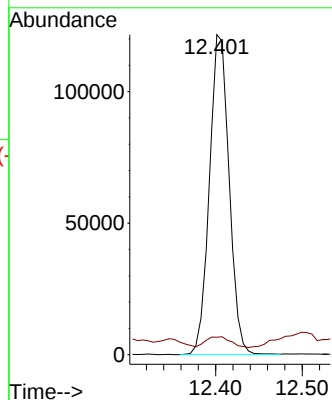
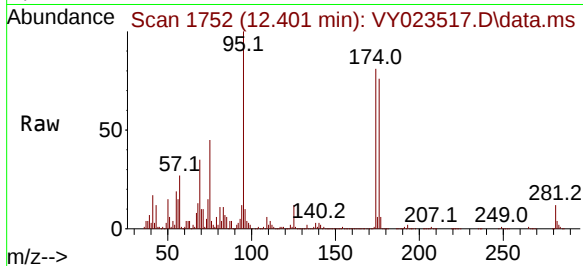




#76
1,2,3-Trichloropropane
Concen: 54.095 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

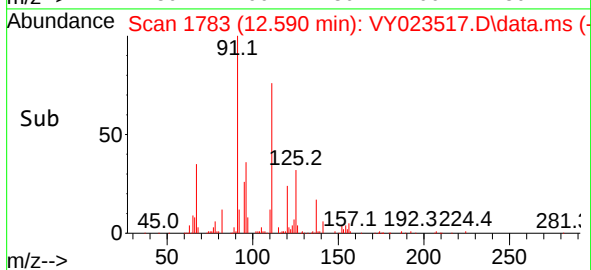
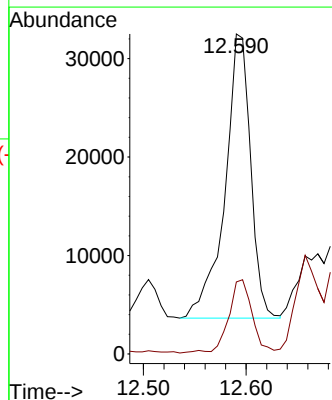
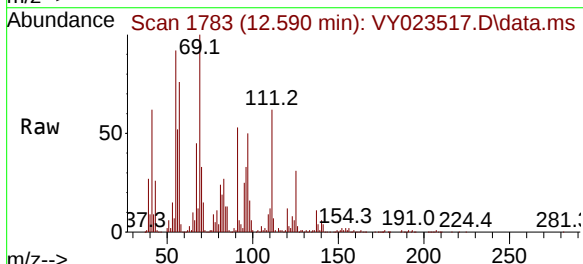
Instrument :
MSVOA_Y
ClientSampleId :

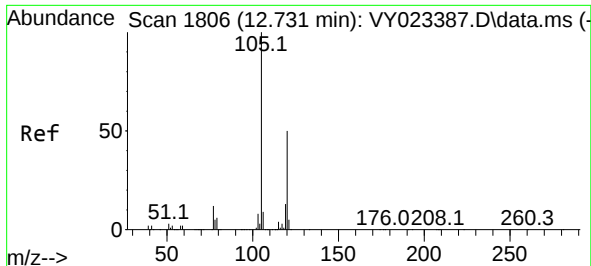
Tgt Ion: 75 Resp: 192566
Ion Ratio Lower Upper
75 100
77 4.1 0.0 0.0#



#78
n-propylbenzene
Concen: 1.630 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 91 Resp: 50146
Ion Ratio Lower Upper
91 100
120 23.5 12.3 36.8

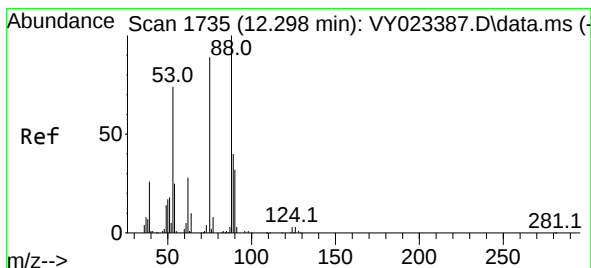
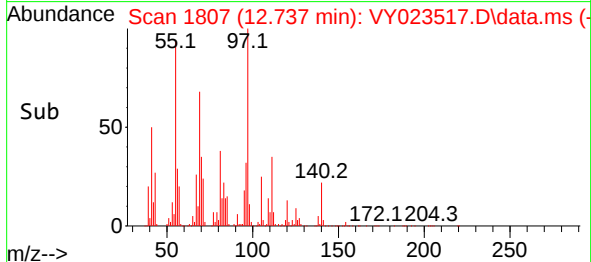
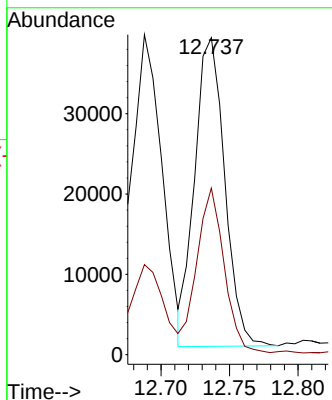
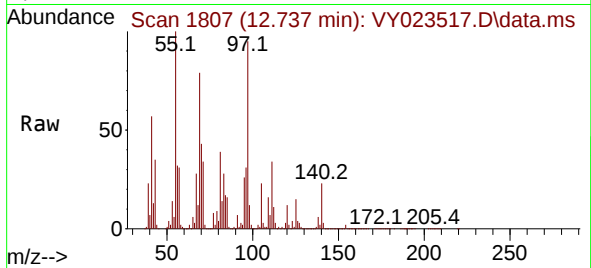




#80
1,3,5-Trimethylbenzene
Concen: 2.727 ug/l
RT: 12.737 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

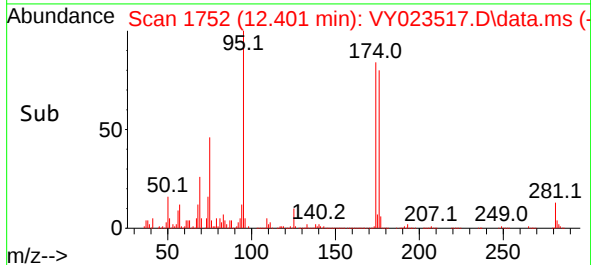
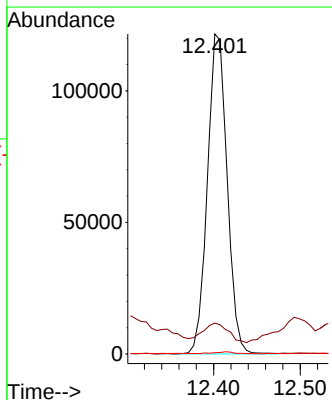
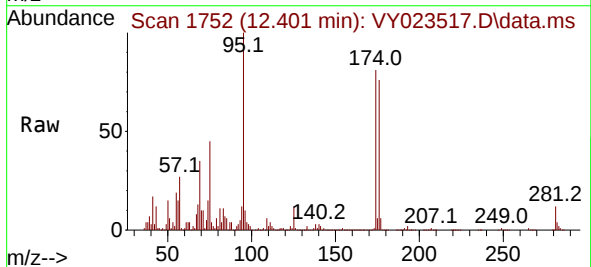
Instrument :
MSVOA_Y
ClientSampleId :

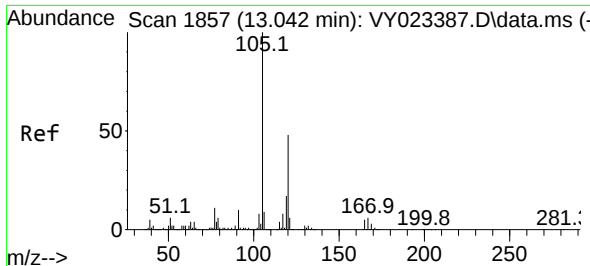
Tgt Ion:105 Resp: 58586
Ion Ratio Lower Upper
105 100
120 48.5 25.4 76.4



#81
trans-1,4-Dichloro-2-butene
Concen: 132.652 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.103 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion: 75 Resp: 192566
Ion Ratio Lower Upper
75 100
53 7.8 68.6 102.8#
89 0.6 39.0 58.4#

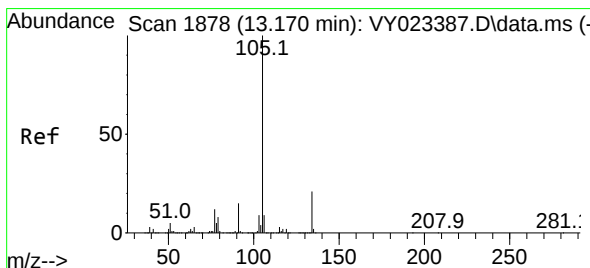
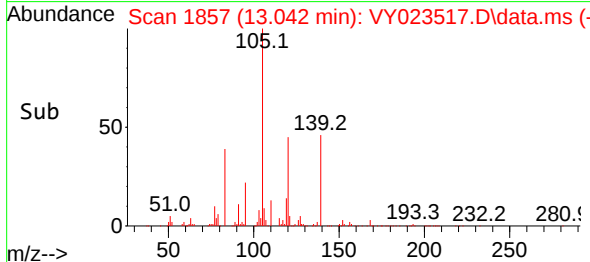
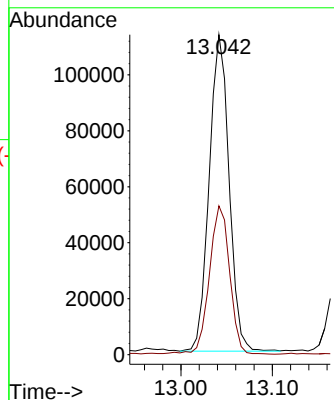
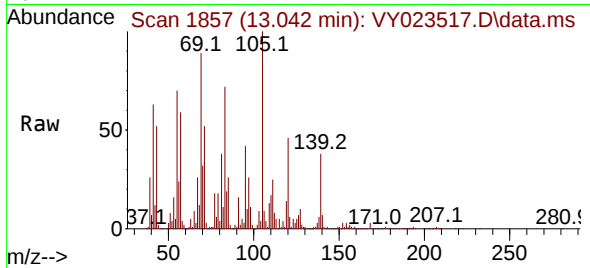




#84
1,2,4-Trimethylbenzene
Concen: 7.946 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

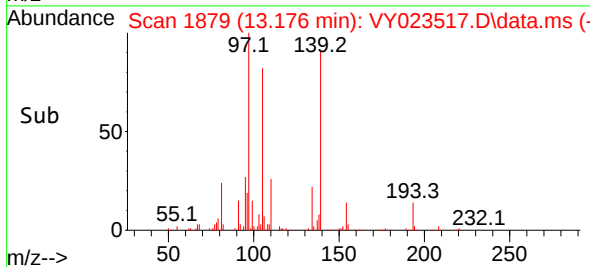
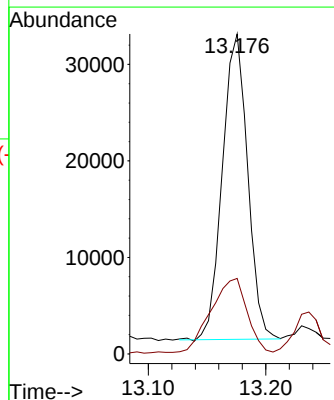
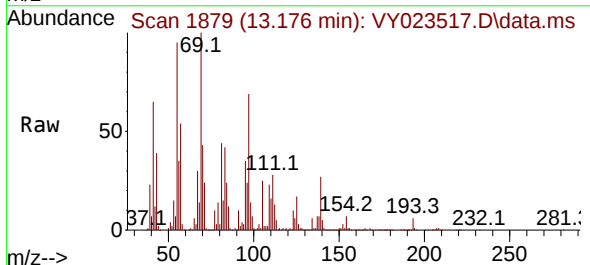
Instrument :
MSVOA_Y
ClientSampleId :

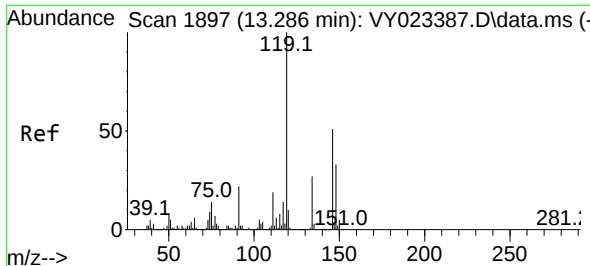
Tgt Ion:105 Resp: 170384
Ion Ratio Lower Upper
105 100
120 48.0 23.8 71.2



#85
sec-Butylbenzene
Concen: 1.659 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

Tgt Ion:105 Resp: 47211
Ion Ratio Lower Upper
105 100
134 35.6 10.7 32.1#

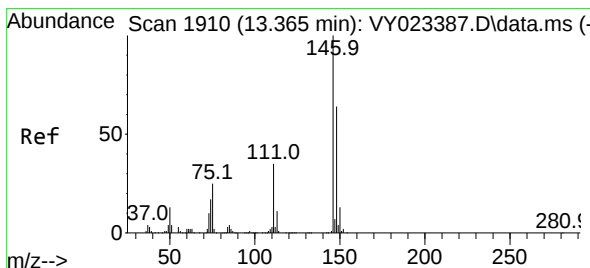
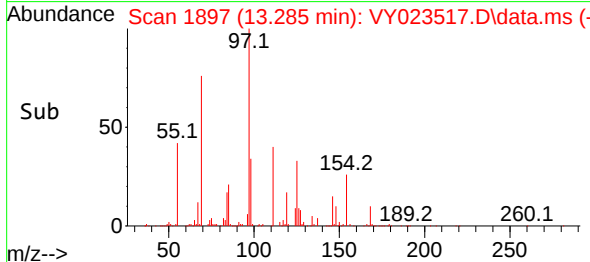
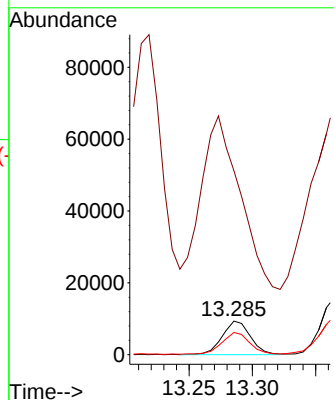
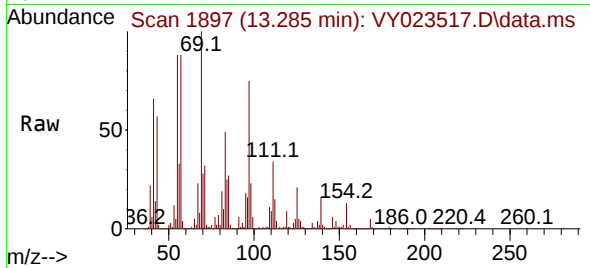




#87
 1,3-Dichlorobenzene
 Concen: 1.053 ug/l
 RT: 13.285 min Scan# 1897
 Delta R.T. -0.000 min
 Lab File: VY023517.D
 Acq: 20 Oct 2025 18:33

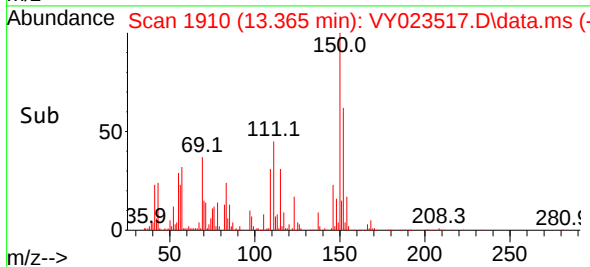
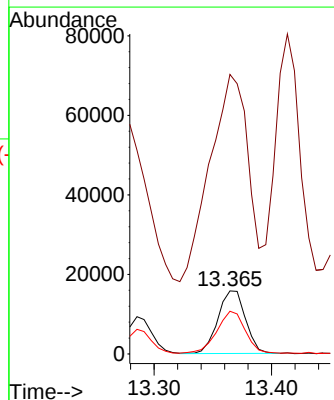
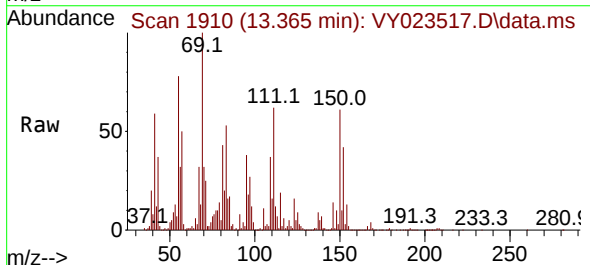
Instrument :
 MSVOA_Y
 ClientSampleId :

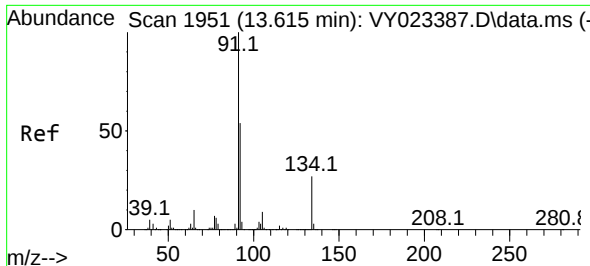
Tgt Ion:146 Resp: 14490
 Ion Ratio Lower Upper
 146 100
 111 707.3 18.7 56.1#
 148 64.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 1.890 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. -0.000 min
 Lab File: VY023517.D
 Acq: 20 Oct 2025 18:33

Tgt Ion:146 Resp: 25691
 Ion Ratio Lower Upper
 146 100
 111 453.0 18.0 54.0#
 148 69.5 31.9 95.7

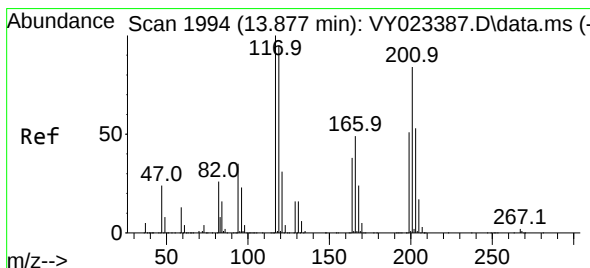
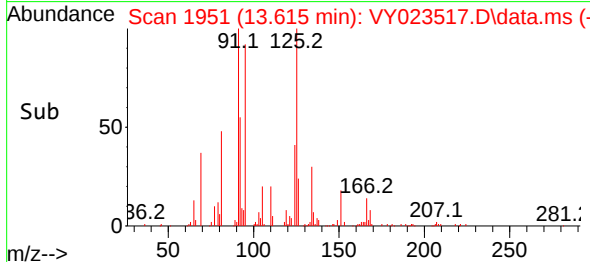
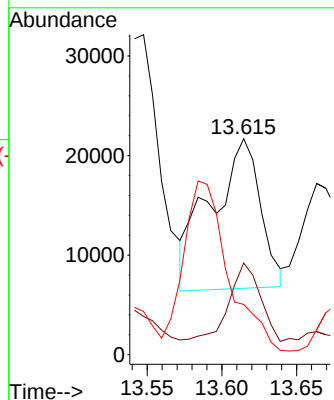
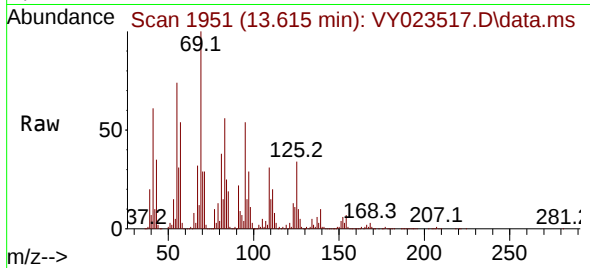




#89
n-Butylbenzene
Concen: 1.644 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

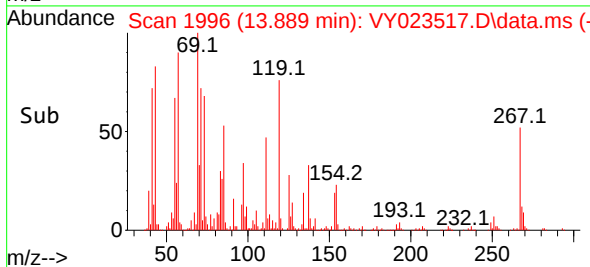
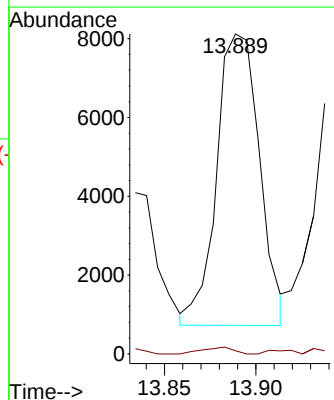
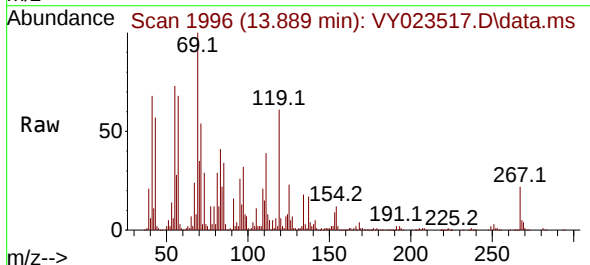
Instrument :
MSVOA_Y
ClientSampleId :

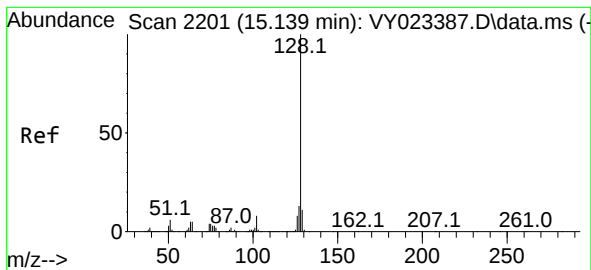
Tgt Ion: 91 Resp: 34709
Ion Ratio Lower Upper
91 100
92 37.7 27.0 80.8
134 0.0 14.1 42.2#



#90
Hexachloroethane
Concen: 2.309 ug/l
RT: 13.889 min Scan# 1996
Delta R.T. 0.012 min
Lab File: VY023517.D
Acq: 20 Oct 2025 18:33

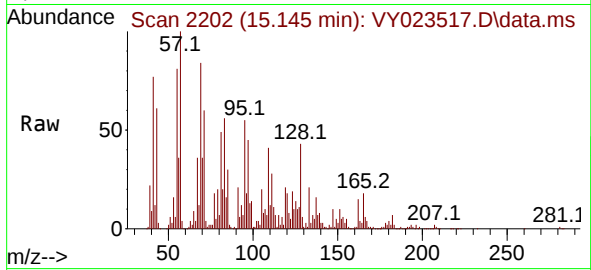
Tgt Ion: 117 Resp: 12035
Ion Ratio Lower Upper
117 100
201 1.7 43.8 131.4#





#95
 Naphthalene
 Concen: 4.035 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY023517.D
 Acq: 20 Oct 2025 18:33

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 48346
 Ion Ratio Lower Upper
 128 100
 127 36.3 10.4 15.6#
 129 16.2 8.9 13.3#

