

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022515.D
 Acq On : 03 Jun 2025 12:17
 Operator : SY/MD
 Sample : Q2155-01
 Misc : 4.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 446

Quant Time: Jun 03 14:13:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

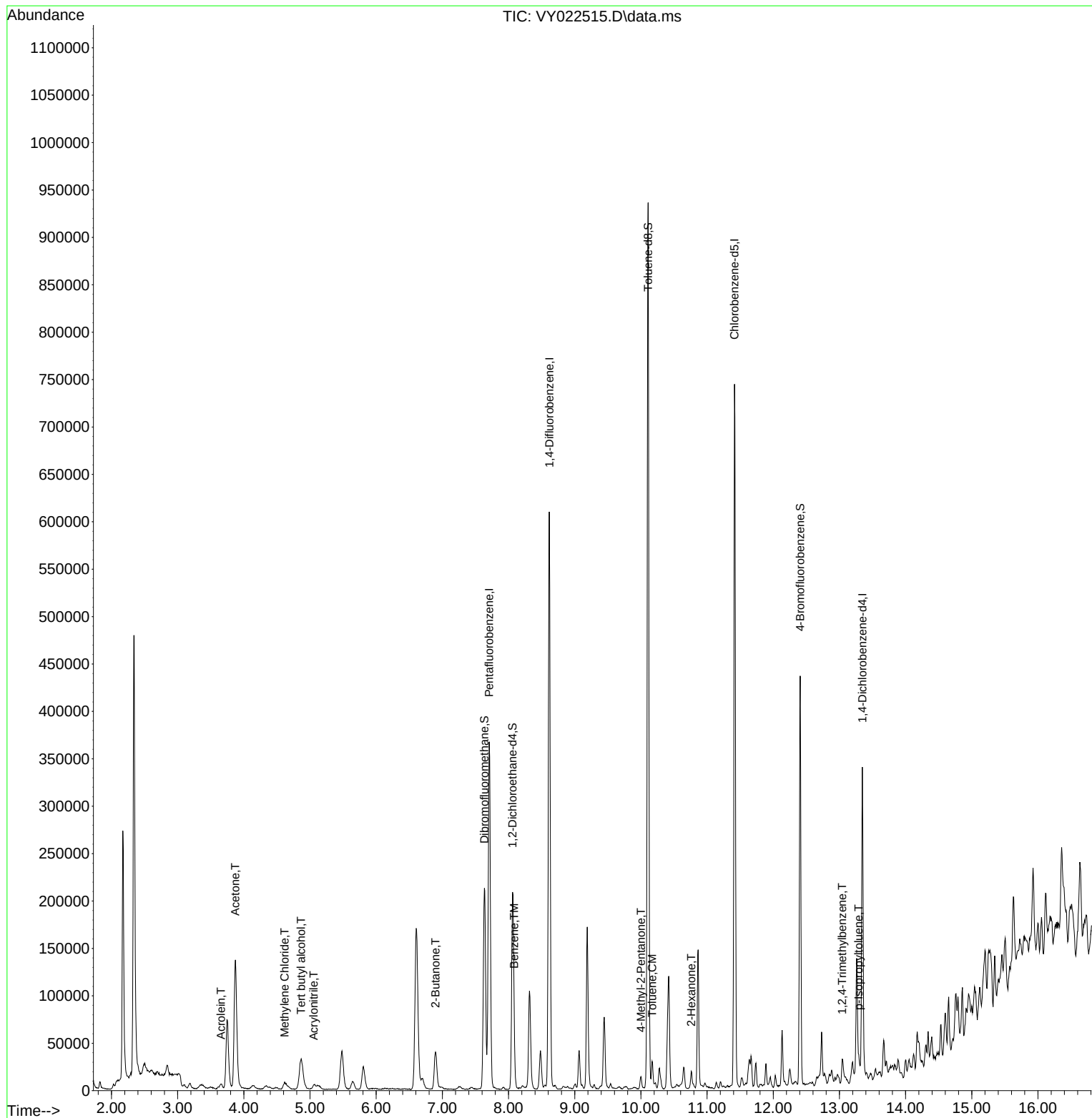
Internal Standards						
1) Pentafluorobenzene	7.707	168	268767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	497789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	361463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	74113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153282	50.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.980%			
35) Dibromofluoromethane	7.634	113	148610	50.017	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.040%			
50) Toluene-d8	10.109	98	581466	48.433	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.860%			
62) 4-Bromofluorobenzene	12.408	95	117549	32.862	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 65.720%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.866	59	68362	318.408	ug/l #	89
13) Acrolein	3.653	56	5885	21.994	ug/l #	59
15) Acrylonitrile	5.055	53	6623	9.919	ug/l #	90
16) Acetone	3.873	43	246123	403.165	ug/l	98
20) Methylene Chloride	4.616	84	4201	1.211	ug/l	91
25) 2-Butanone	6.896	43	68794	78.124	ug/l	99
40) Benzene	8.085	78	14401	1.011	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	9155	3.954	ug/l	97
52) Toluene	10.170	92	10541	1.178	ug/l	97
59) 2-Hexanone	10.762	43	10975	7.087	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	13413	2.807	ug/l	81
86) p-Isopropyltoluene	13.292	119	9766	1.804	ug/l #	75

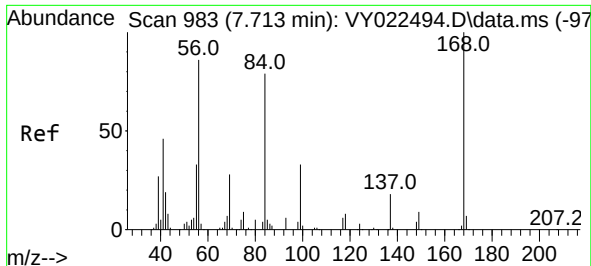
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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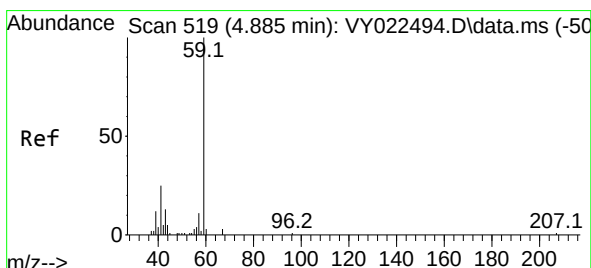
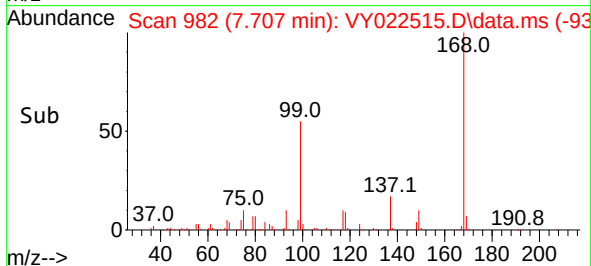
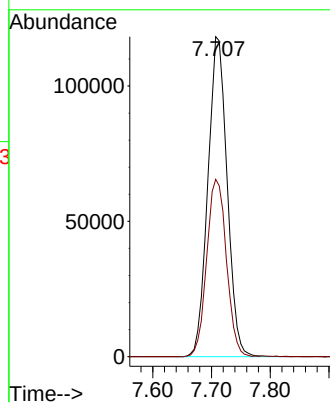
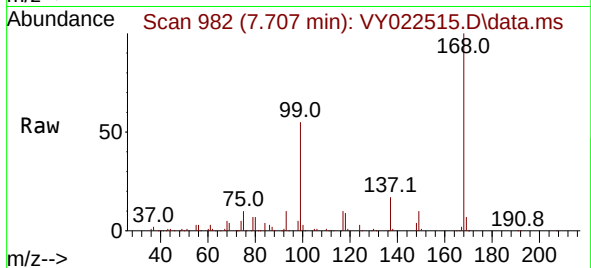




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

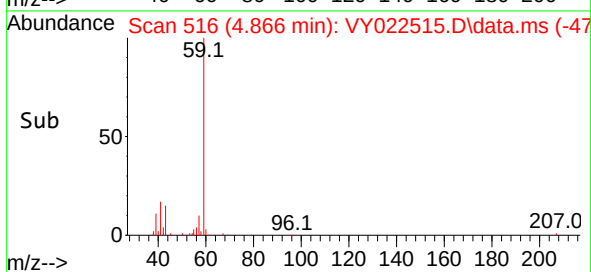
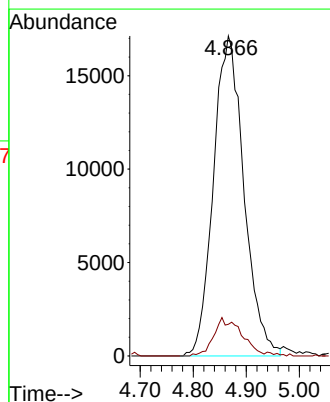
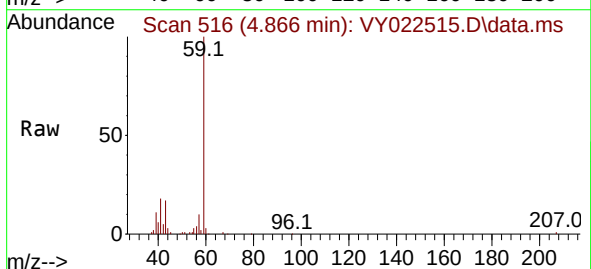
Instrument :
MSVOA_Y
ClientSampleId :
446

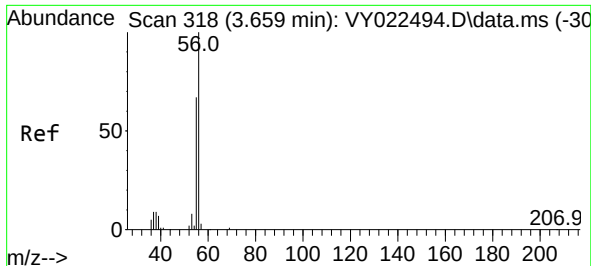
Tgt Ion:168 Resp: 268767
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#11
Tert butyl alcohol
Concen: 318.408 ug/l
RT: 4.866 min Scan# 516
Delta R.T. -0.018 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

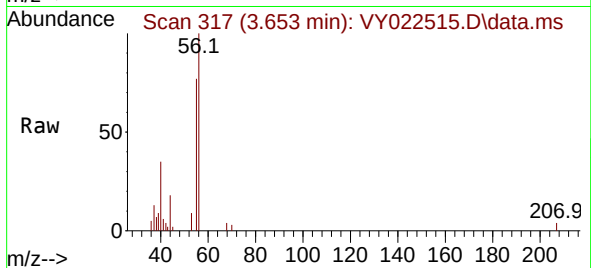
Tgt Ion: 59 Resp: 68362
Ion Ratio Lower Upper
59 100
57 5.7 8.0 12.0#



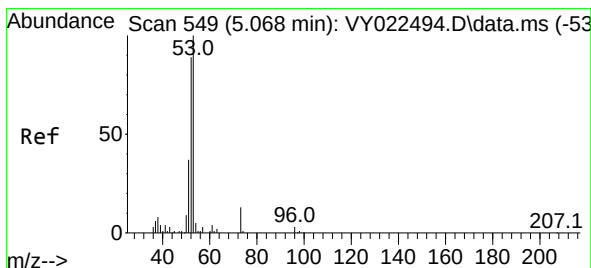
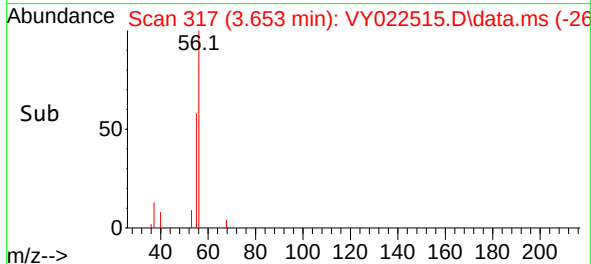
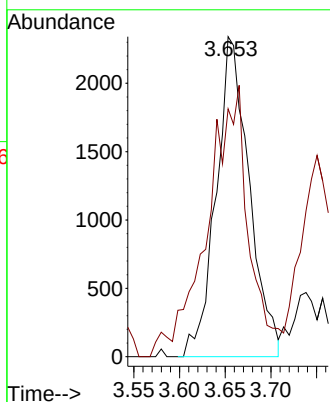


#13
Acrolein
Concen: 21.994 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Instrument :
MSVOA_Y
ClientSampleId :
446

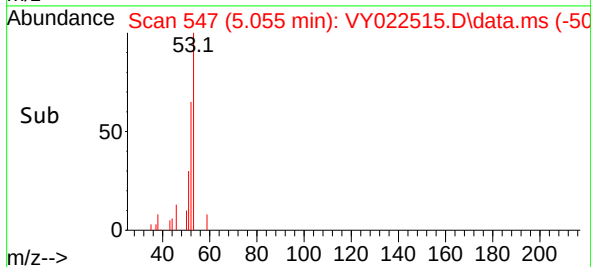
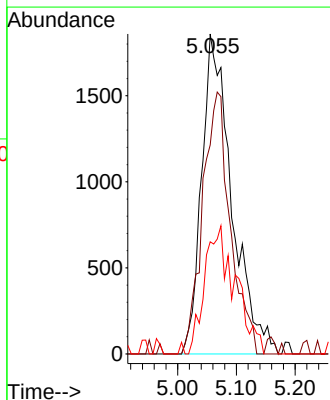
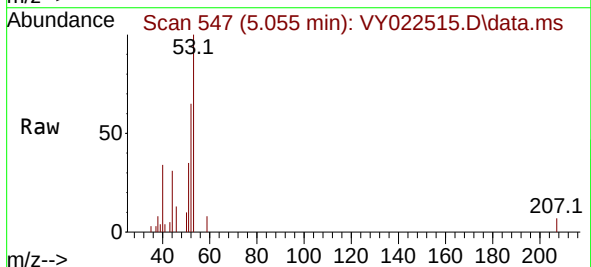


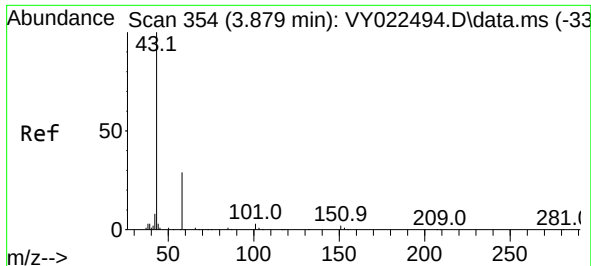
Tgt Ion: 56 Resp: 5885
Ion Ratio Lower Upper
56 100
55 105.6 57.0 85.6#



#15
Acrylonitrile
Concen: 9.919 ug/l
RT: 5.055 min Scan# 547
Delta R.T. -0.012 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion: 53 Resp: 6623
Ion Ratio Lower Upper
53 100
52 75.0 65.7 98.5
51 29.8 30.1 45.1#

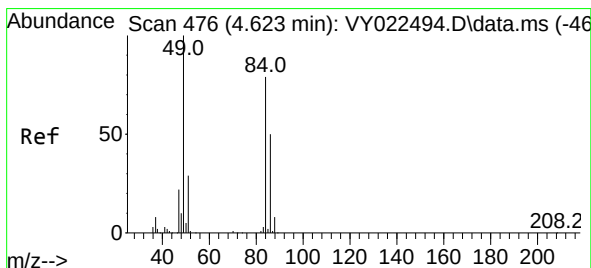
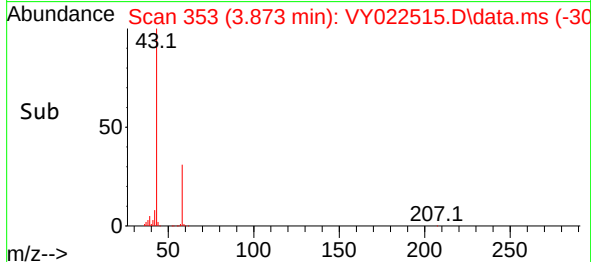
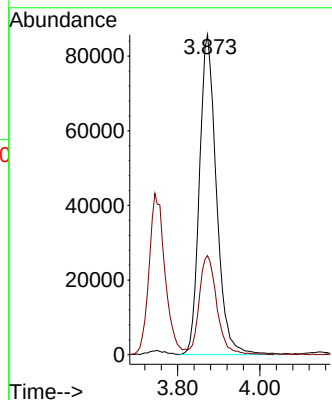
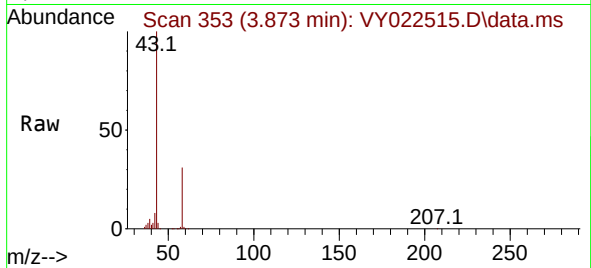




#16
Acetone
Concen: 403.165 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

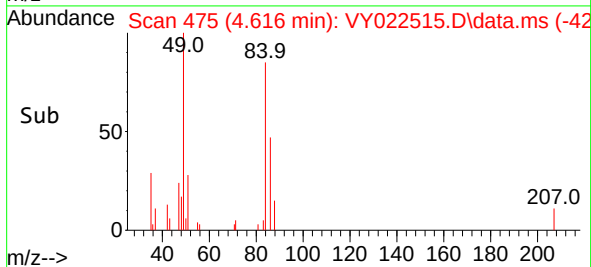
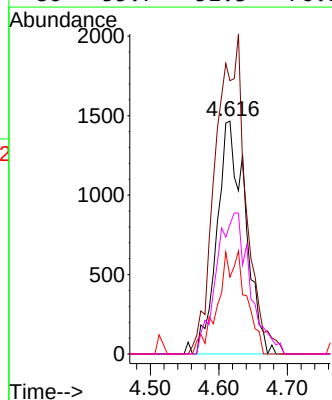
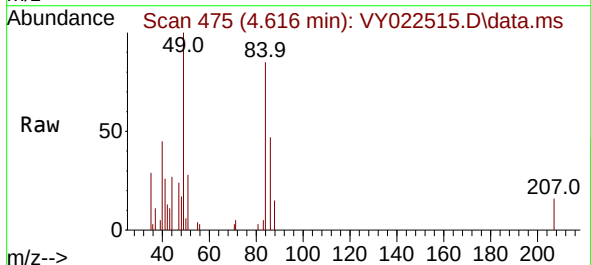
Instrument :
MSVOA_Y
ClientSampleId :
446

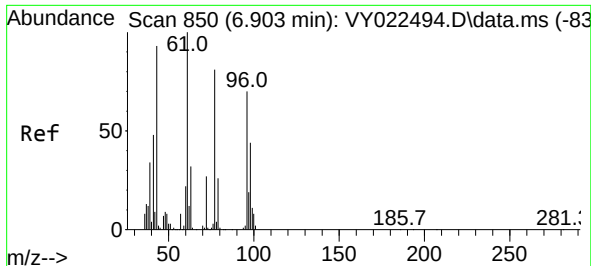
Tgt Ion: 43 Resp: 246123
Ion Ratio Lower Upper
43 100
58 30.9 24.0 36.0



#20
Methylene Chloride
Concen: 1.211 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion: 84 Resp: 4201
Ion Ratio Lower Upper
84 100
49 117.4 101.9 152.9
51 33.1 29.8 44.8
86 55.7 51.3 76.9

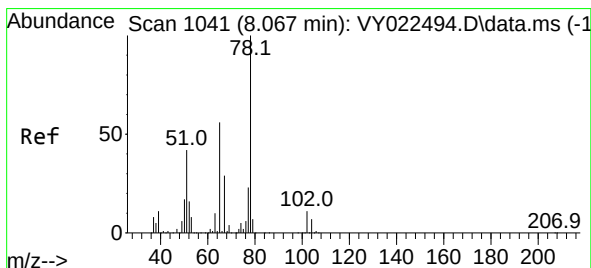
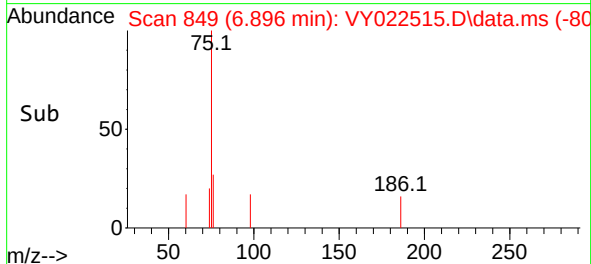
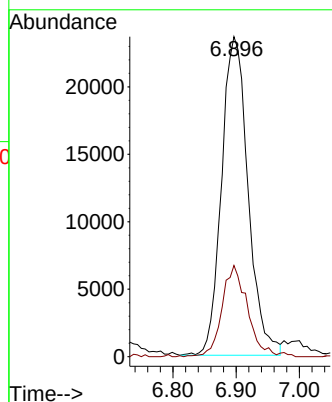
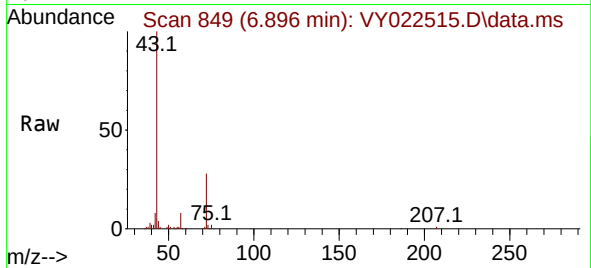




#25
2-Butanone
Concen: 78.124 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

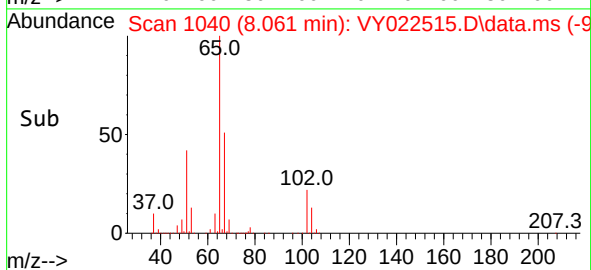
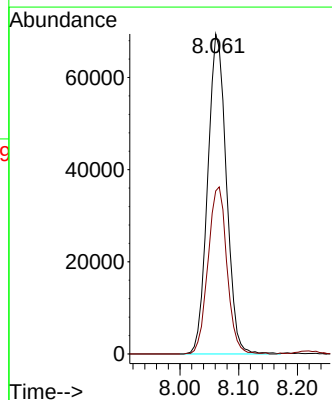
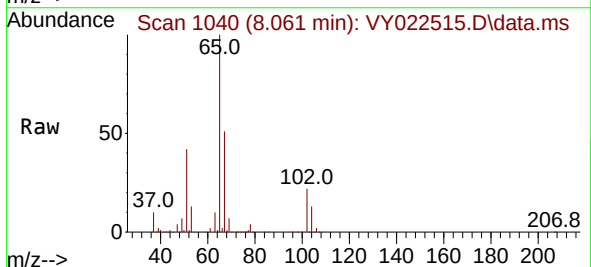
Instrument :
MSVOA_Y
ClientSampleId :
446

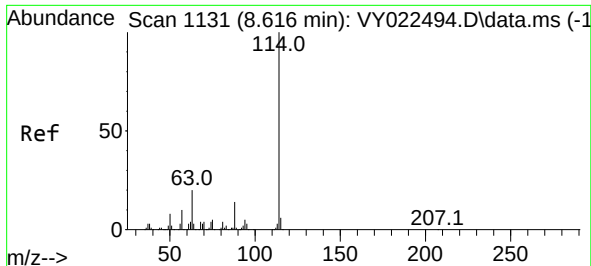
Tgt Ion: 43 Resp: 68794
Ion Ratio Lower Upper
43 100
72 28.3 22.9 34.3



#33
1,2-Dichloroethane-d4
Concen: 50.992 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion: 65 Resp: 153282
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.4

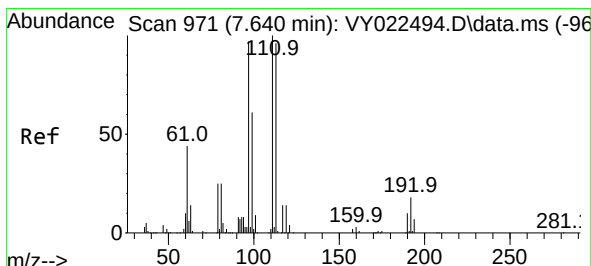
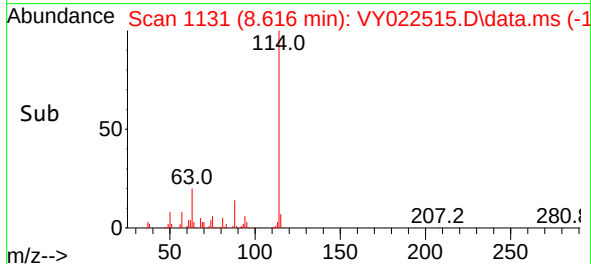
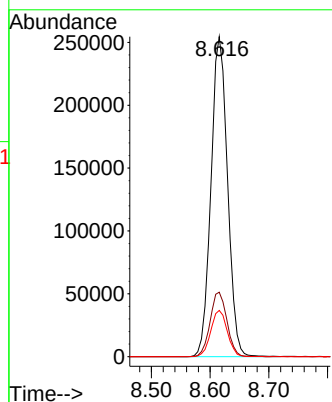
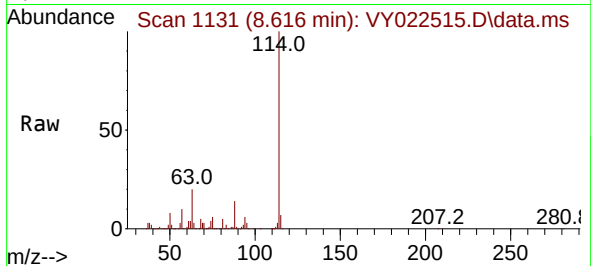




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

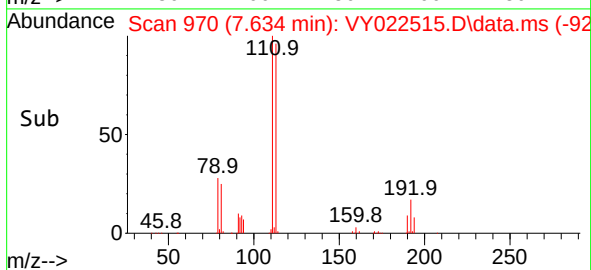
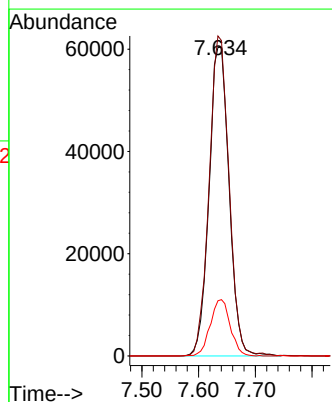
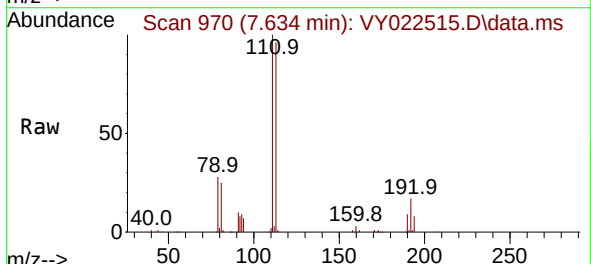
Instrument :
MSVOA_Y
ClientSampleId :
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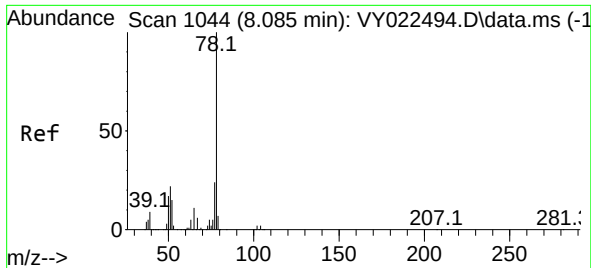
Tgt Ion:114 Resp: 497789
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.017 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion:113 Resp: 148610
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 18.1 14.2 21.2

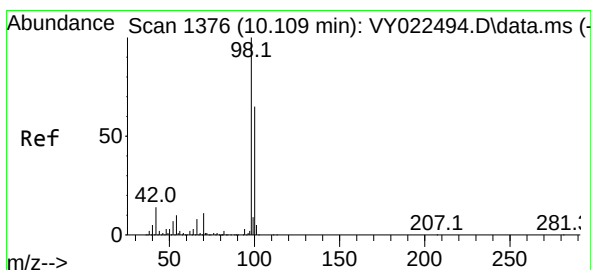
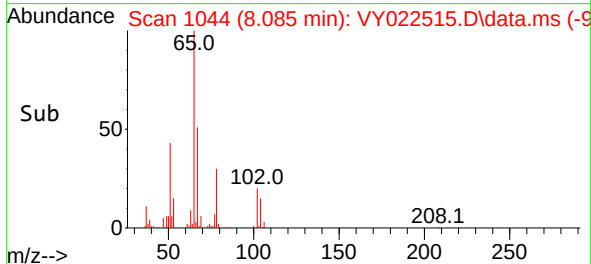
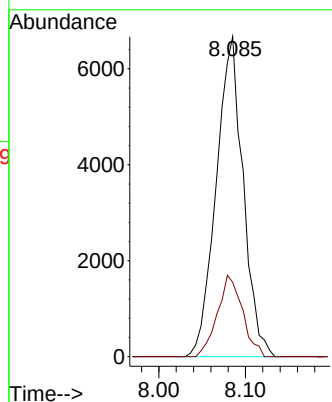
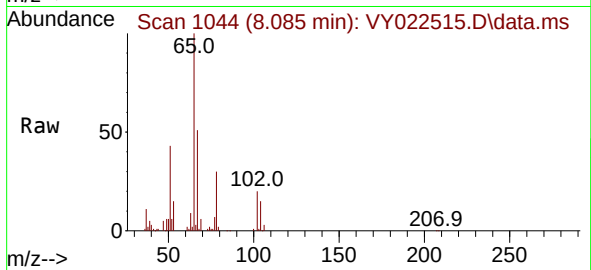




#40
Benzene
Concen: 1.011 ug/l
RT: 8.085 min Scan# 1044
Delta R.T. -0.000 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

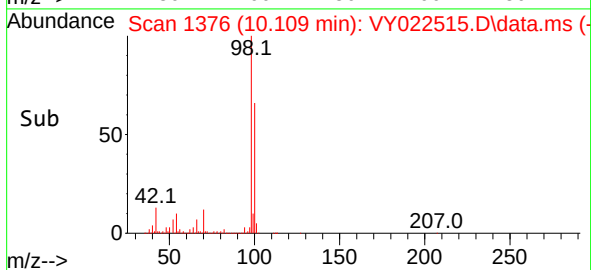
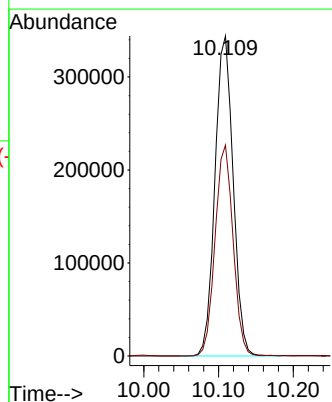
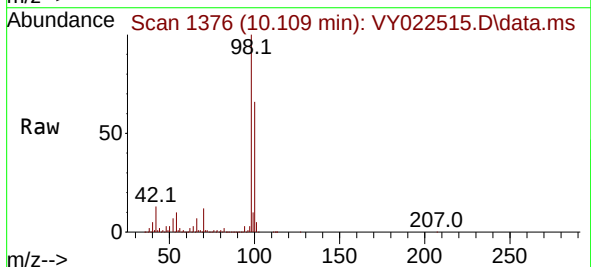
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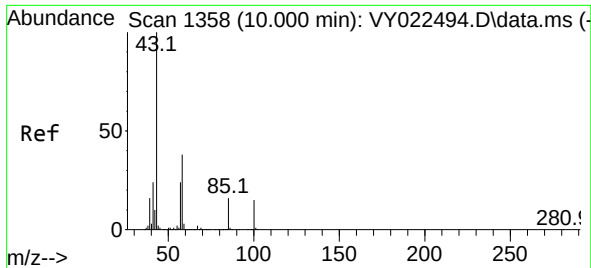
Tgt Ion: 78 Resp: 14401
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9



#50
Toluene-d8
Concen: 48.433 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion: 98 Resp: 581466
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.0

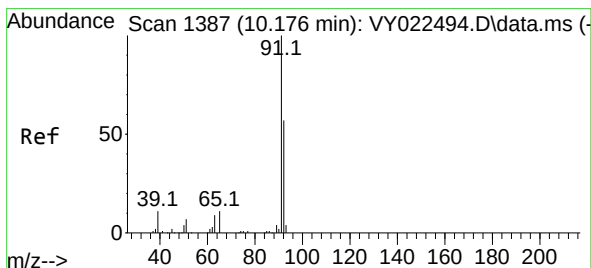
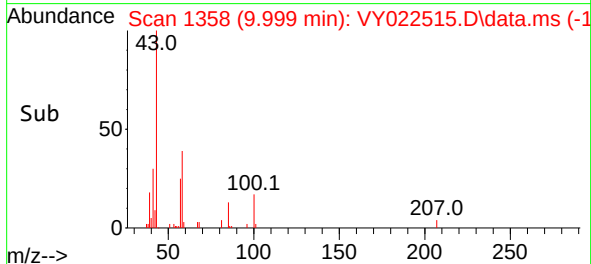
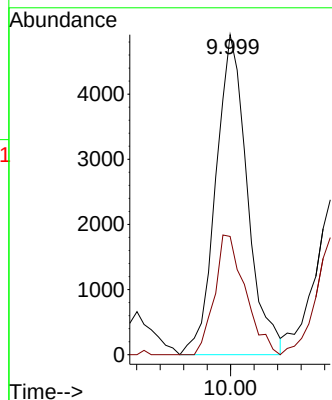
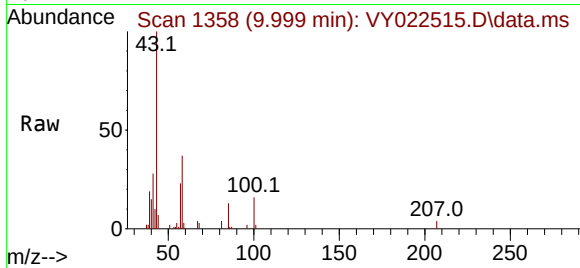




#51
4-Methyl-2-Pentanone
Concen: 3.954 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

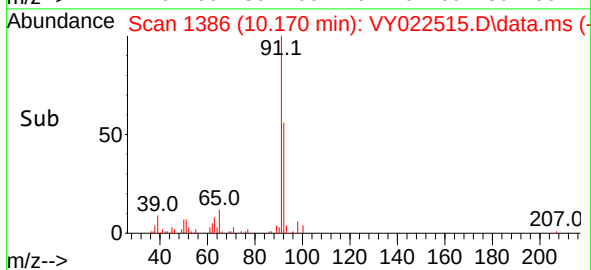
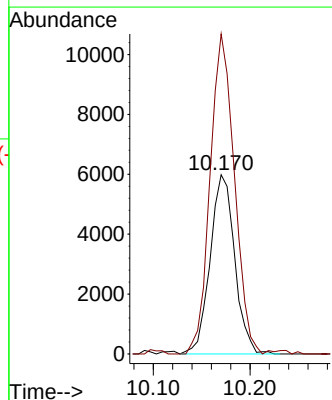
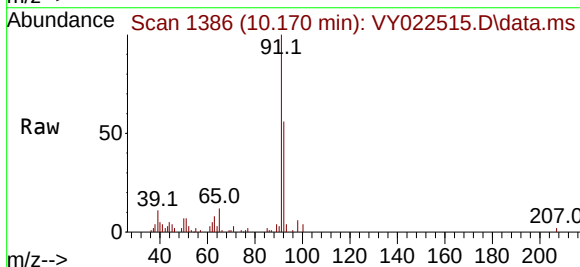
Instrument :
MSVOA_Y
ClientSampleId :
446

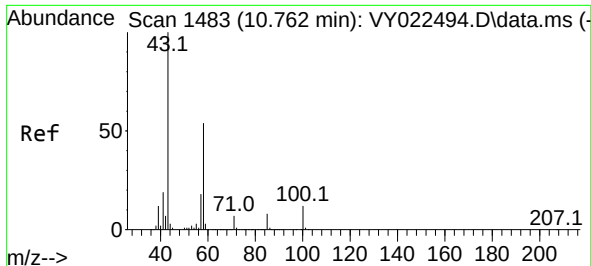
Tgt Ion: 43 Resp: 9155
Ion Ratio Lower Upper
43 100
58 36.4 30.4 45.6



#52
Toluene
Concen: 1.178 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion: 92 Resp: 10541
Ion Ratio Lower Upper
92 100
91 177.3 139.0 208.4

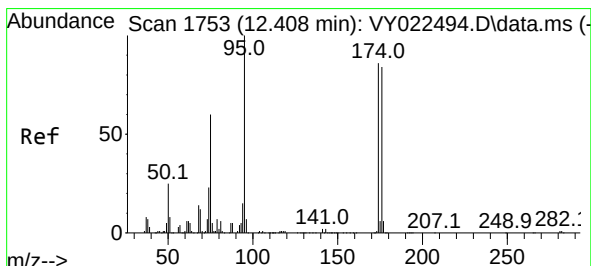
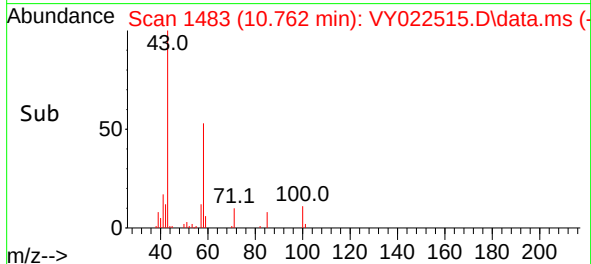
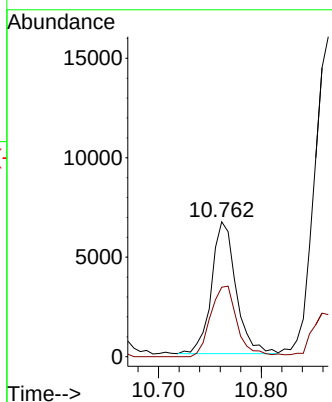
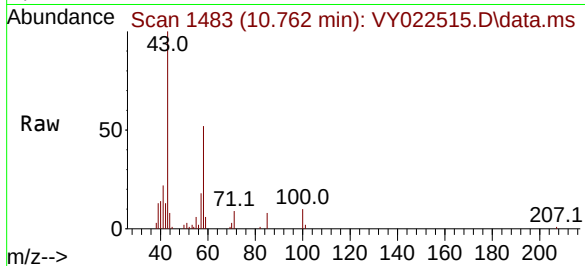




#59
2-Hexanone
Concen: 7.087 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

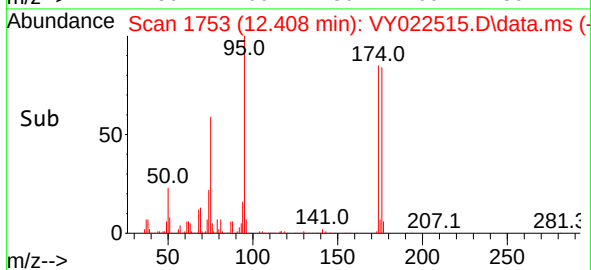
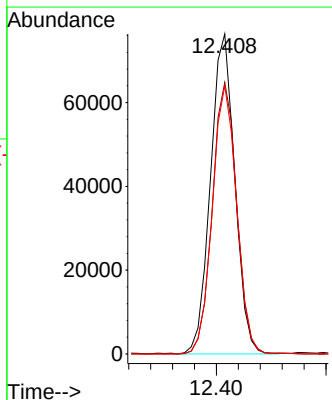
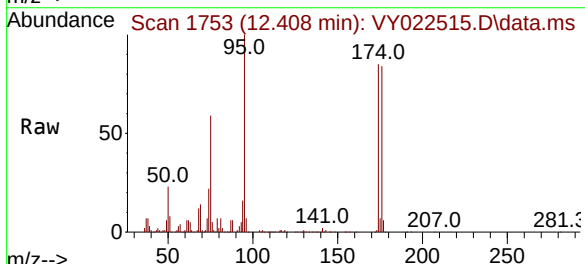
Instrument :
MSVOA_Y
ClientSampleId :
446

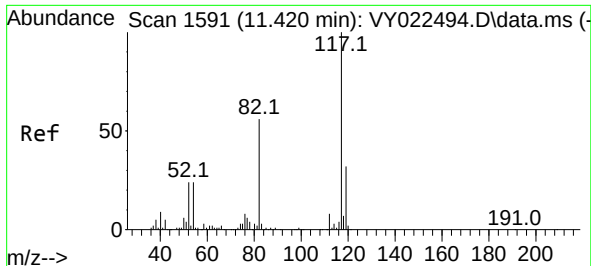
Tgt Ion: 43 Resp: 10975
Ion Ratio Lower Upper
43 100
58 58.6 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 32.862 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion: 95 Resp: 117549
Ion Ratio Lower Upper
95 100
174 85.2 0.0 170.0
176 83.7 0.0 166.2

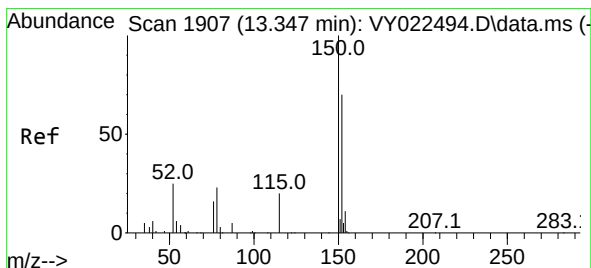
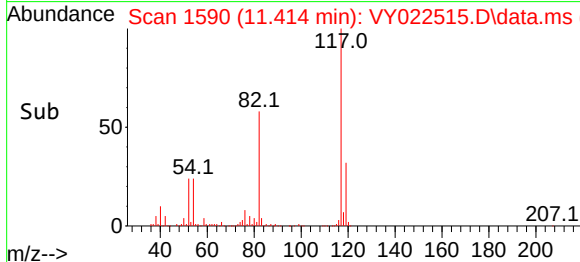
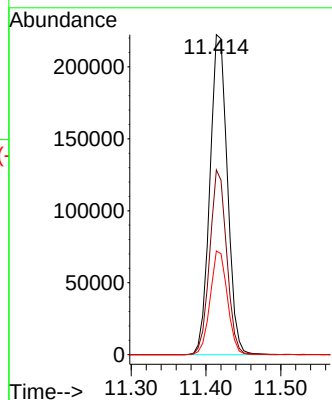
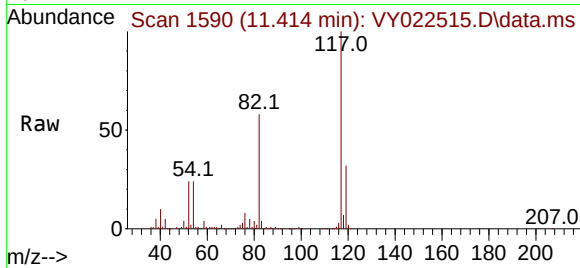




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

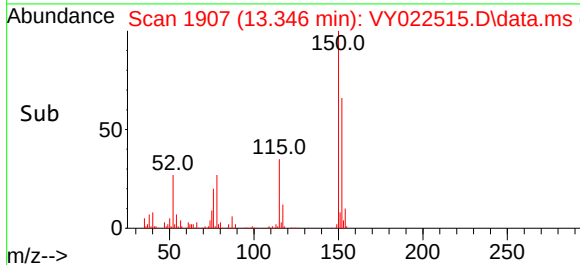
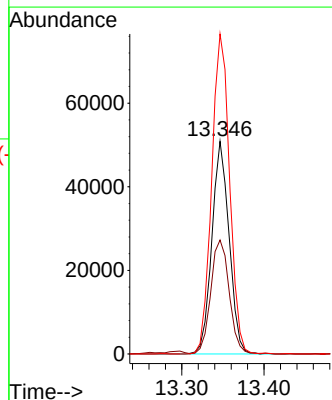
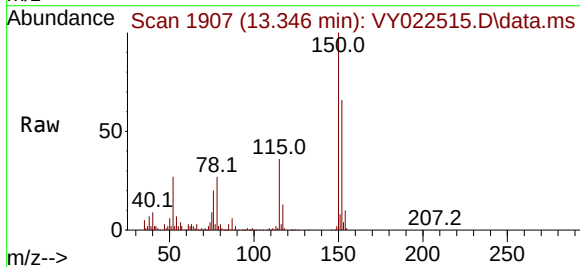
Instrument :
MSVOA_Y
ClientSampleId :
446

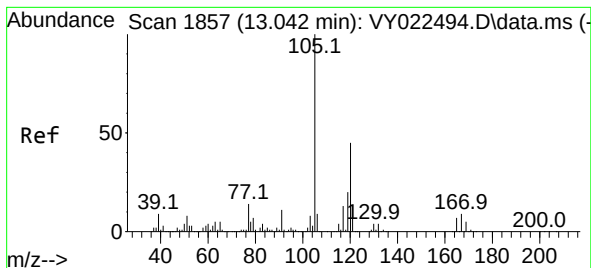
Tgt Ion:117 Resp: 361463
Ion Ratio Lower Upper
117 100
82 57.8 44.6 66.8
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022515.D
Acq: 03 Jun 2025 12:17

Tgt Ion:152 Resp: 74113
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.7
150 156.1 0.0 349.6





#84

1,2,4-Trimethylbenzene

Concen: 2.807 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022515.D

Acq: 03 Jun 2025 12:17

Instrument :

MSVOA_Y

ClientSampleId :

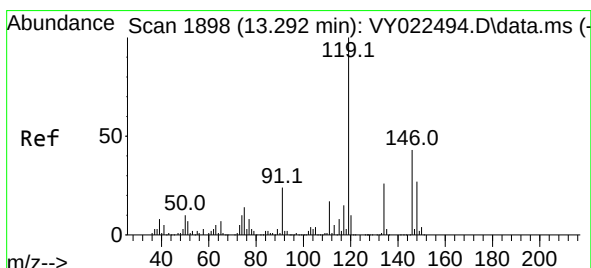
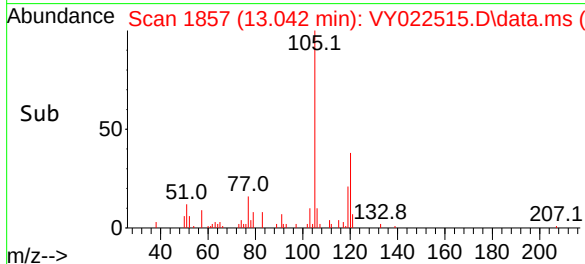
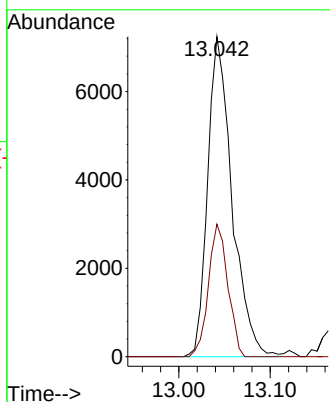
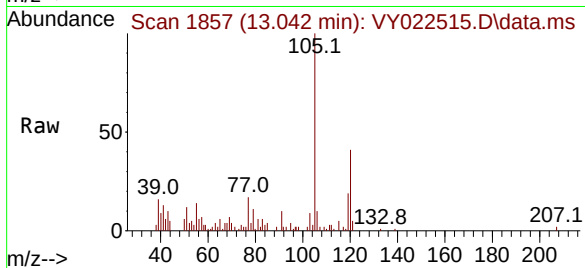
446

Tgt Ion:105 Resp: 13413

Ion Ratio Lower Upper

105 100

120 33.0 22.7 68.1



#86

p-Isopropyltoluene

Concen: 1.804 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. -0.000 min

Lab File: VY022515.D

Acq: 03 Jun 2025 12:17

Tgt Ion:119 Resp: 9766

Ion Ratio Lower Upper

119 100

134 28.9 13.1 39.1

91 0.0 11.6 34.8#

