

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
 Data File : VY023884.D
 Acq On : 04 Dec 2025 11:02
 Operator : SY/MD
 Sample : Q3768-01
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Quant Time: Dec 04 12:29:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 03:49:13 2025
 Response via : Initial Calibration

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

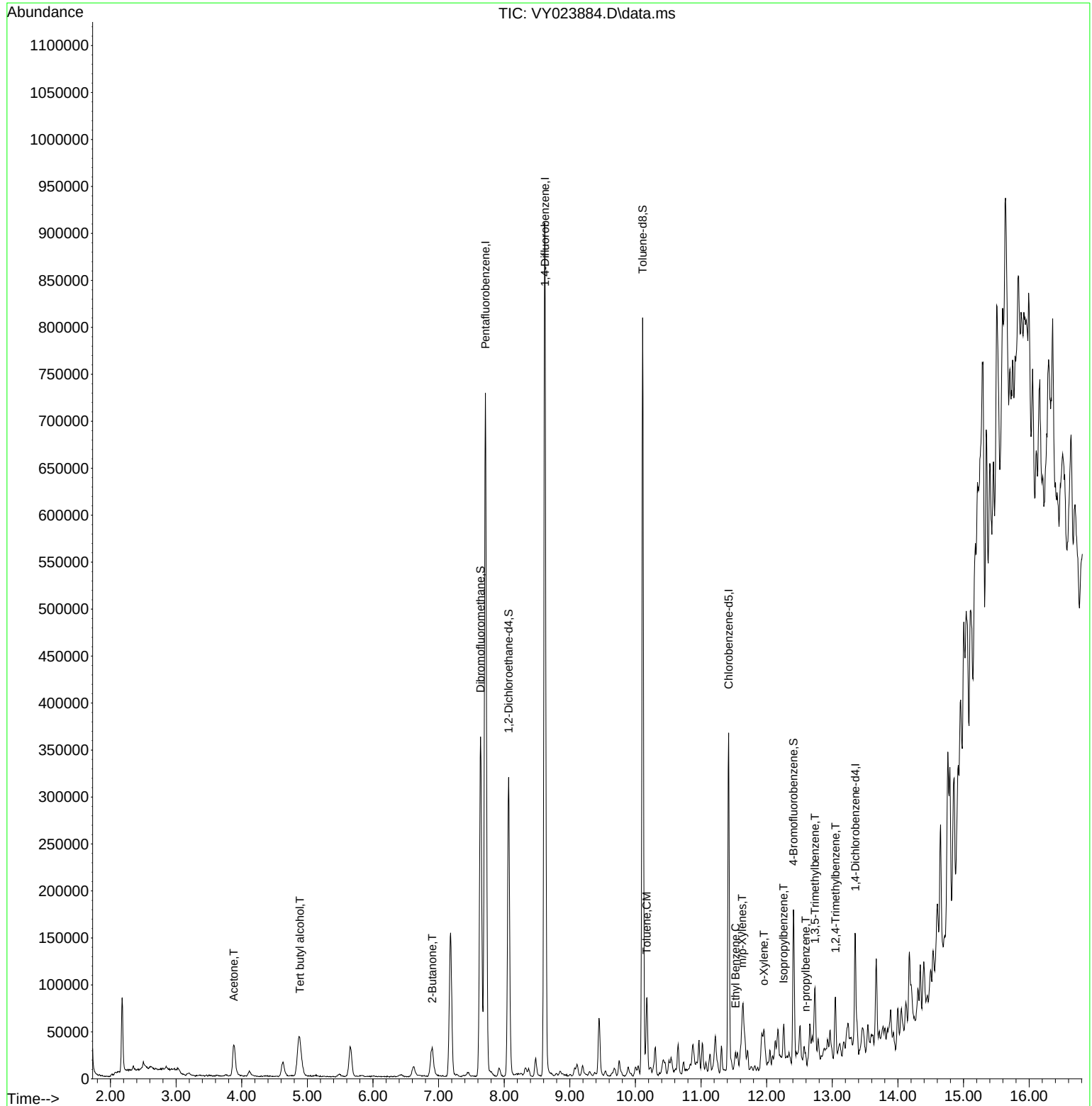
Internal Standards						
1) Pentafluorobenzene	7.713	168	557217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	790651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	192662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	34819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	244380	43.841	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.680%
35) Dibromofluoromethane	7.640	113	262718	51.808	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.620%
50) Toluene-d8	10.109	98	501944	25.436	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	50.880%#
62) 4-Bromofluorobenzene	12.408	95	43895	6.522	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	13.040%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.885	59	91276	226.562	ug/l	98
16) Acetone	3.879	43	65999	39.513	ug/l	100
25) 2-Butanone	6.902	43	17084	8.484	ug/l #	90
52) Toluene	10.170	92	33591	2.373	ug/l	99
67) Ethyl Benzene	11.524	91	11325	1.490	ug/l	99
68) m/p-Xylenes	11.627	106	13917	4.790	ug/l	100
69) o-Xylene	11.956	106	6981	2.569	ug/l	92
73) Isopropylbenzene	12.255	105	6938	2.705	ug/l	91
78) n-propylbenzene	12.597	91	7710	2.491	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	8220	3.943	ug/l	93
84) 1,2,4-Trimethylbenzene	13.048	105	33050	16.005	ug/l	99

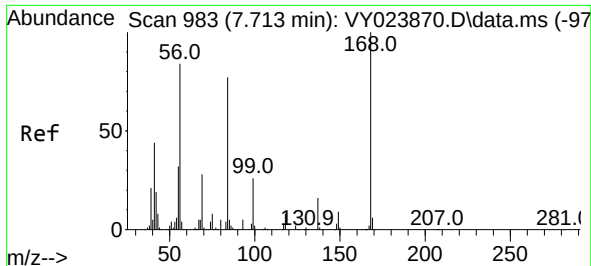
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120425\
Data File : VY023884.D
Acq On : 04 Dec 2025 11:02
Operator : SY/MD
Sample : Q3768-01
Misc : 4.86g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20071

Quant Time: Dec 04 12:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120325S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 04 03:49:13 2025
Response via : Initial Calibration

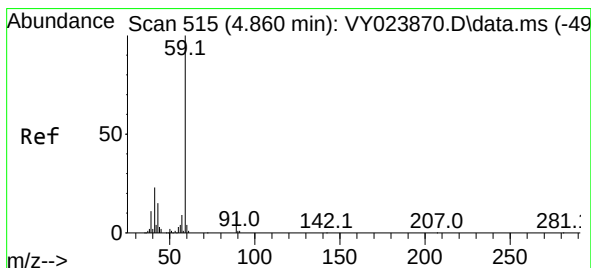
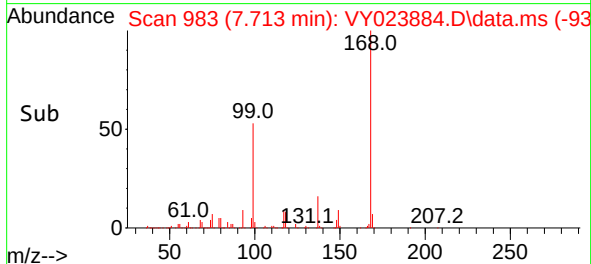
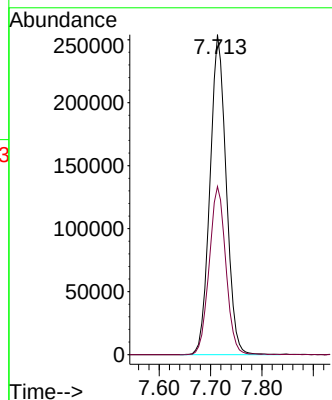
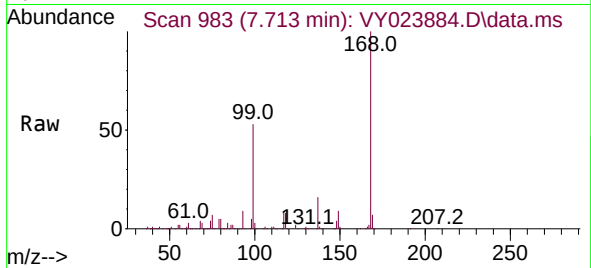




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

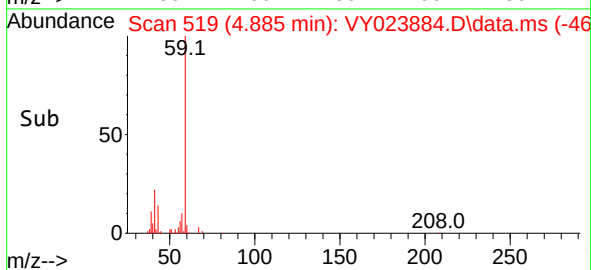
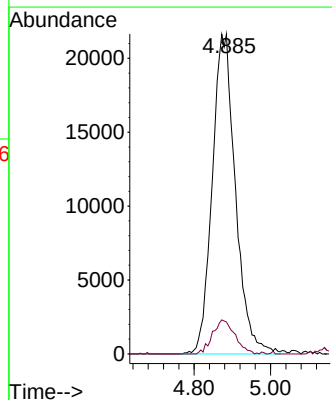
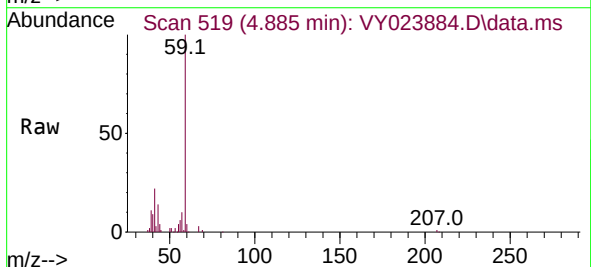
Instrument :
MSVOA_Y
ClientSampleId :
20071

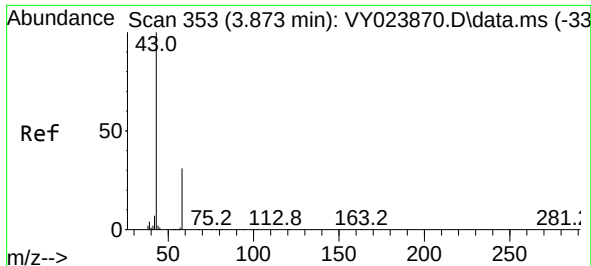
Tgt Ion:168 Resp: 557217
Ion Ratio Lower Upper
168 100
99 52.5 42.5 63.7



#11
Tert butyl alcohol
Concen: 226.562 ug/l
RT: 4.885 min Scan# 519
Delta R.T. 0.024 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

Tgt Ion: 59 Resp: 91276
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5

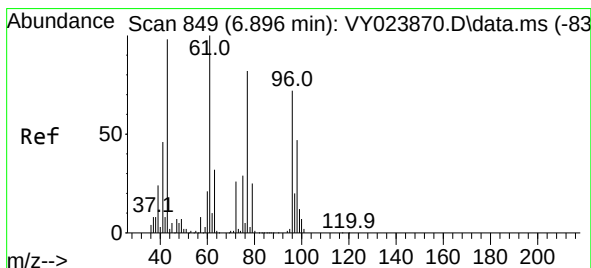
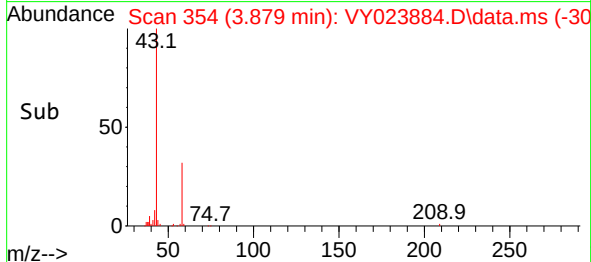
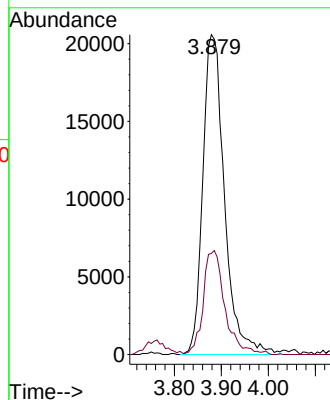
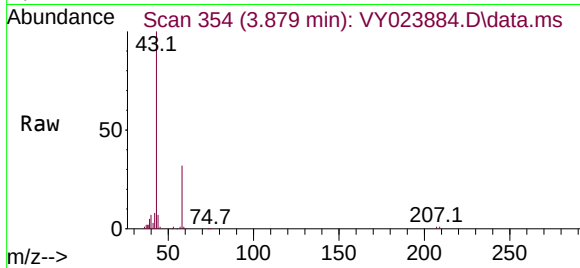




#16
Acetone
Concen: 39.513 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

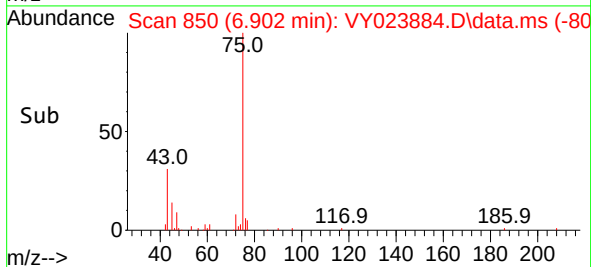
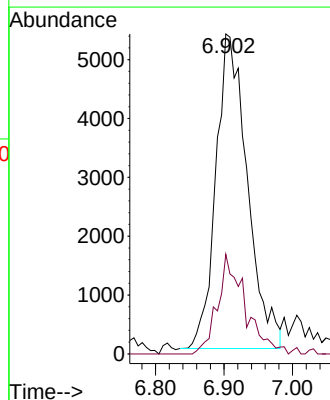
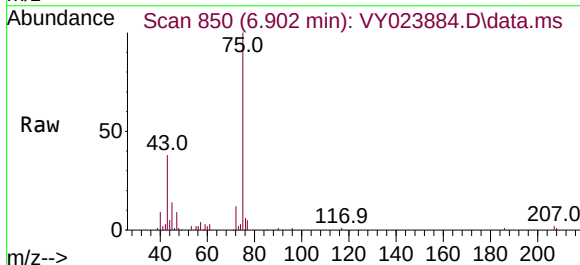
Instrument :
MSVOA_Y
ClientSampleId :
20071

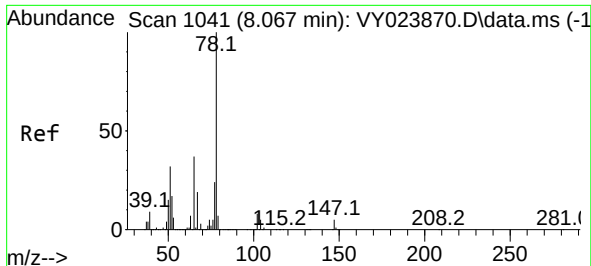
Tgt Ion: 43 Resp: 65999
Ion Ratio Lower Upper
43 100
58 31.4 25.1 37.7



#25
2-Butanone
Concen: 8.484 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

Tgt Ion: 43 Resp: 17084
Ion Ratio Lower Upper
43 100
72 31.6 21.0 31.6#





#33

1,2-Dichloroethane-d4

Concen: 43.841 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY023884.D

Acq: 04 Dec 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

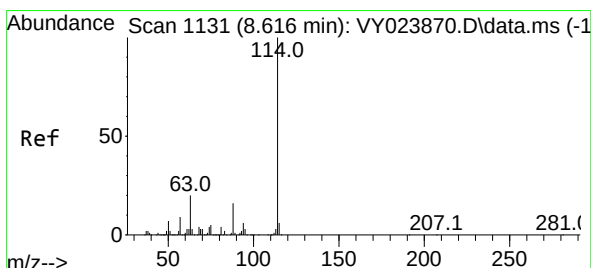
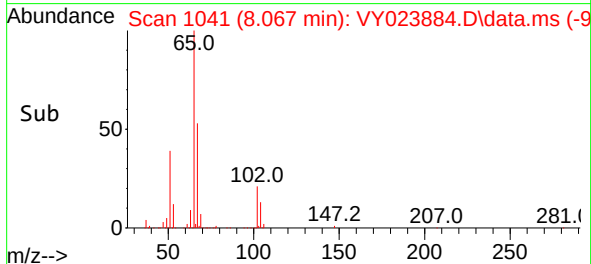
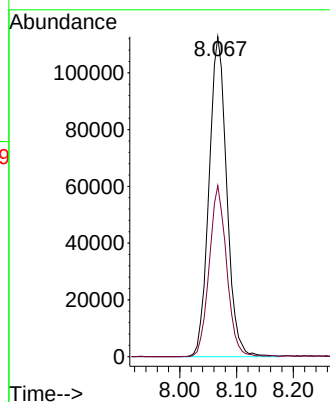
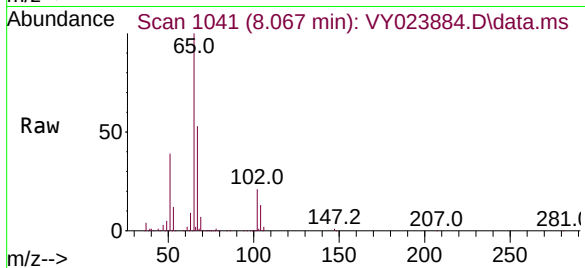
20071

Tgt Ion: 65 Resp: 244380

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023884.D

Acq: 04 Dec 2025 11:02

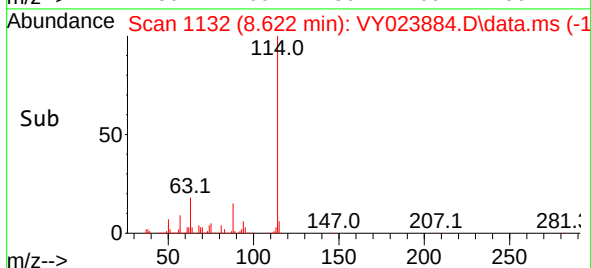
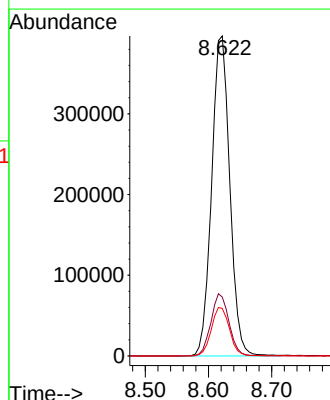
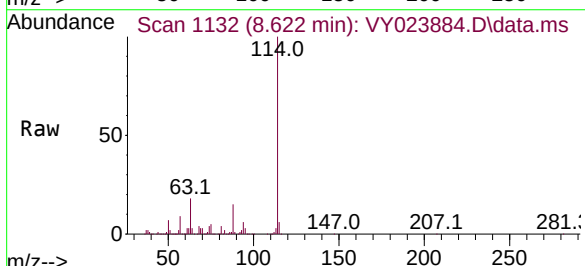
Tgt Ion: 114 Resp: 790651

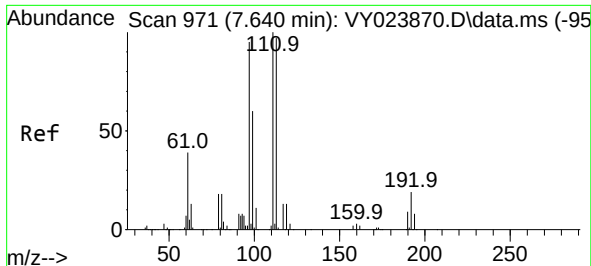
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.2

88 14.8 0.0 31.4

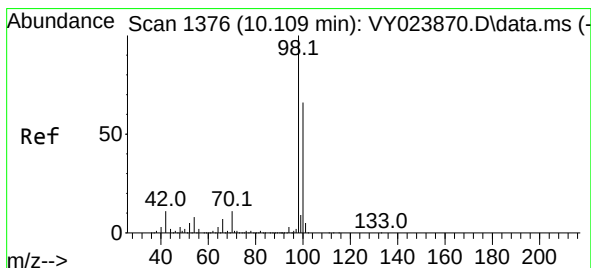
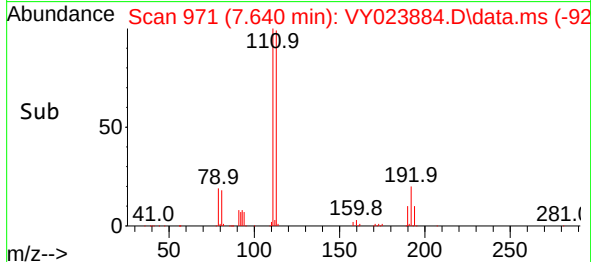
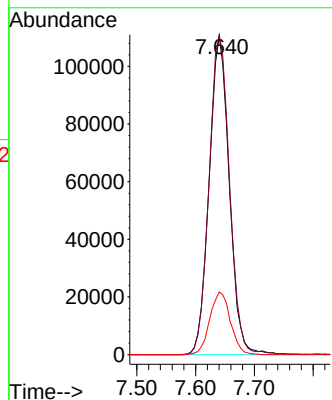
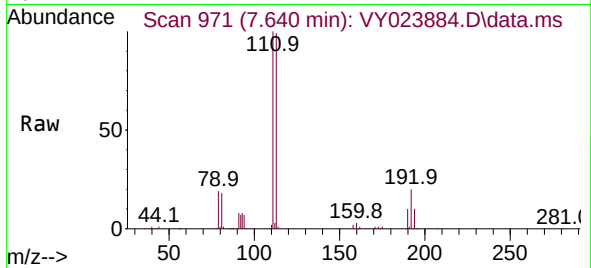




#35
Dibromofluoromethane
Concen: 51.808 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

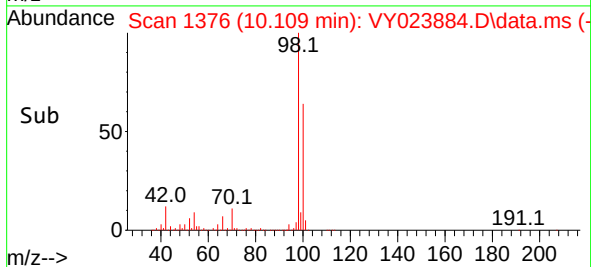
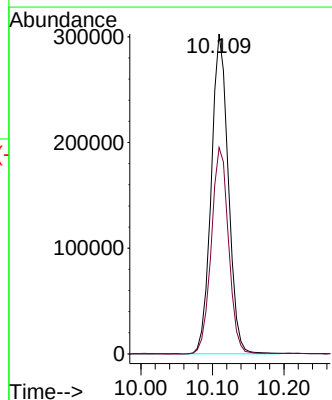
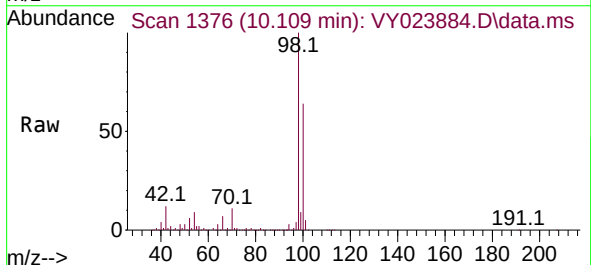
Instrument :
MSVOA_Y
ClientSampleId :
20071

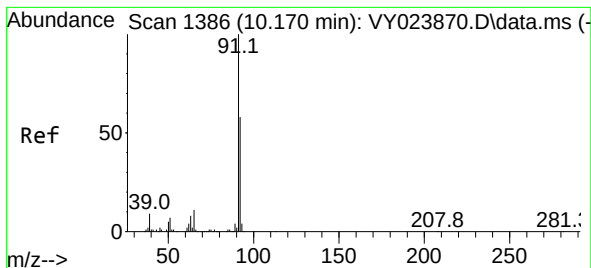
Tgt Ion:113 Resp: 262718
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 20.1 15.8 23.8



#50
Toluene-d8
Concen: 25.436 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

Tgt Ion: 98 Resp: 501944
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7





#52

Toluene

Concen: 2.373 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VY023884.D

Acq: 04 Dec 2025 11:02

Instrument :

MSVOA_Y

ClientSampleId :

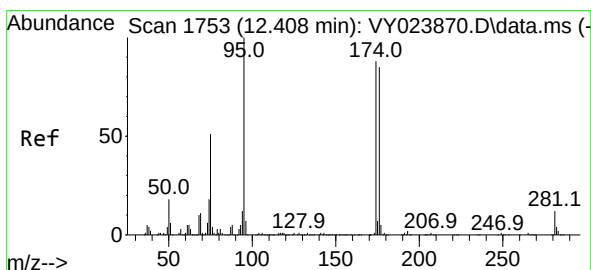
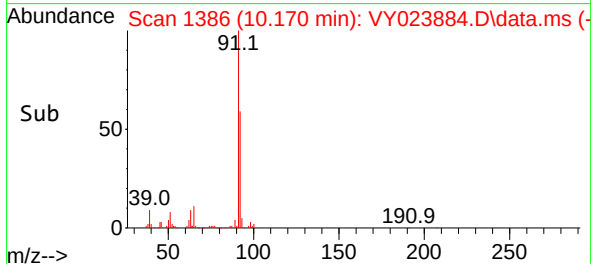
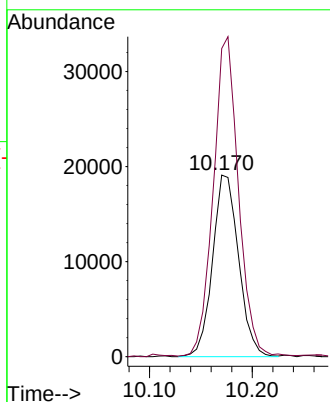
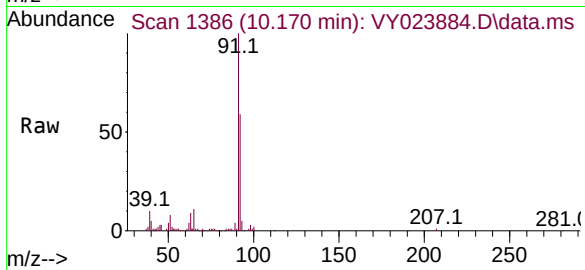
20071

Tgt Ion: 92 Resp: 33591

Ion Ratio Lower Upper

92 100

91 170.0 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 6.522 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY023884.D

Acq: 04 Dec 2025 11:02

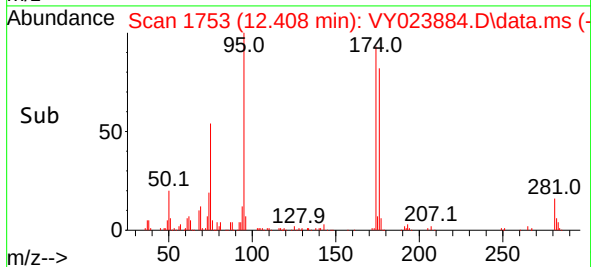
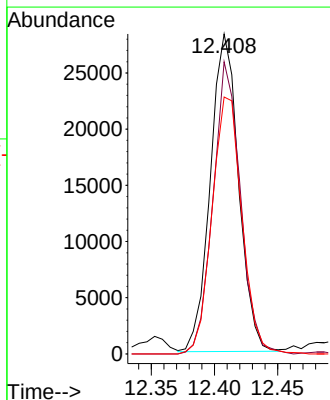
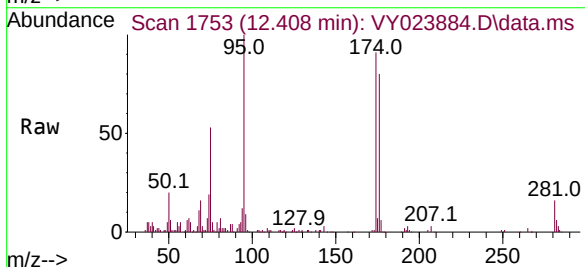
Tgt Ion: 95 Resp: 43895

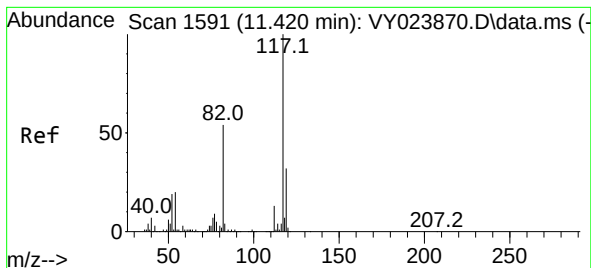
Ion Ratio Lower Upper

95 100

174 89.0 0.0 169.6

176 85.5 0.0 164.4

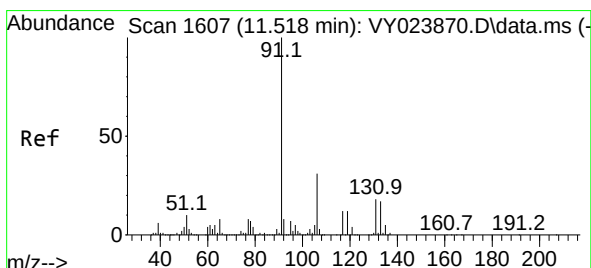
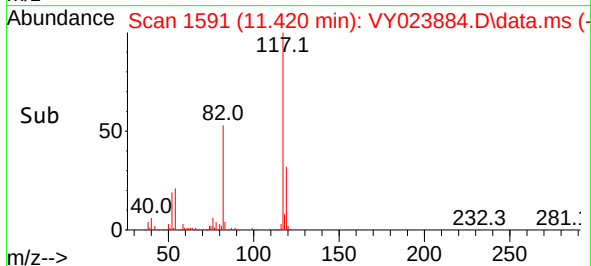
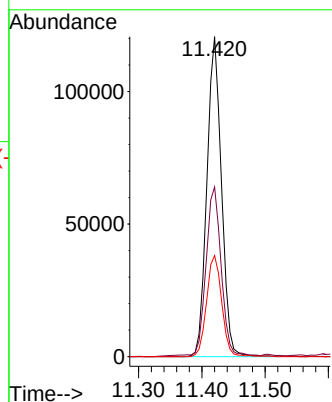
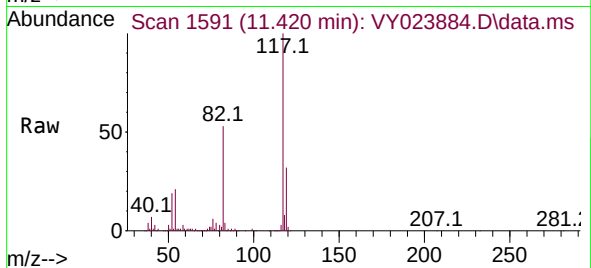




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

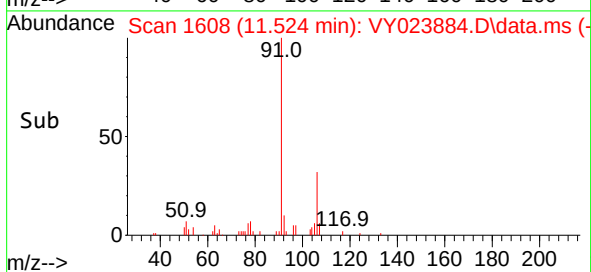
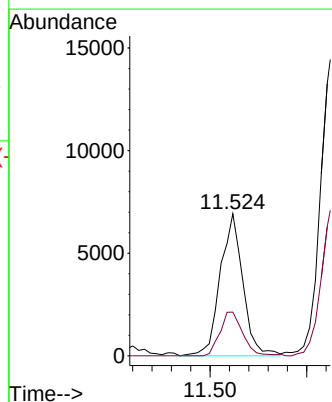
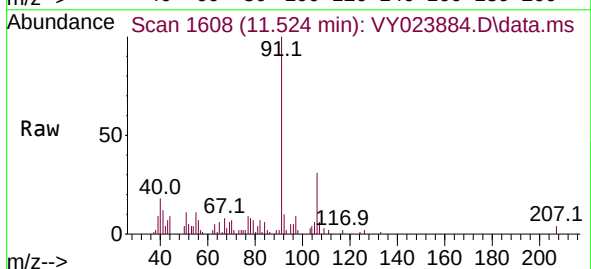
Instrument :
MSVOA_Y
ClientSampleId :
20071

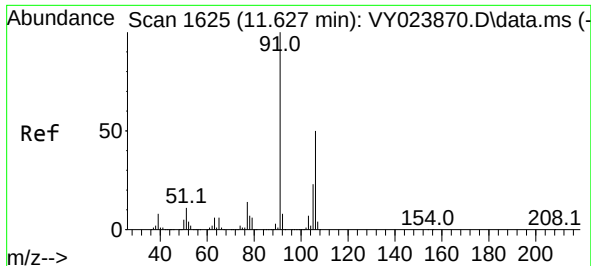
Tgt Ion:117 Resp: 192662
Ion Ratio Lower Upper
117 100
82 52.7 43.1 64.7
119 31.6 26.0 39.0



#67
Ethyl Benzene
Concen: 1.490 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.006 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

Tgt Ion: 91 Resp: 11325
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6

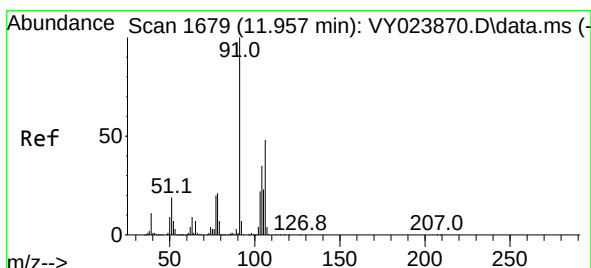
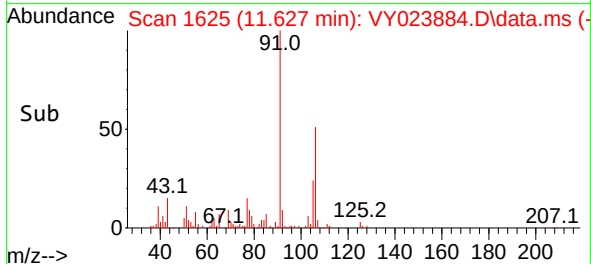
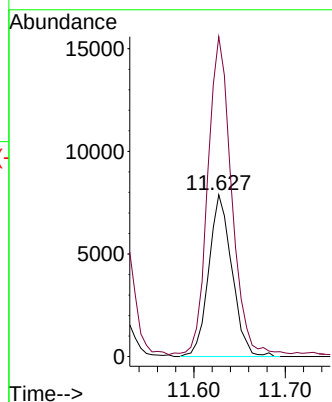
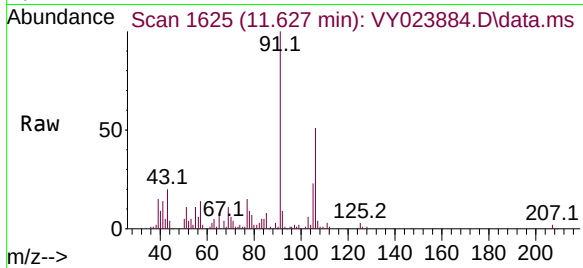




#68
m/p-Xylenes
Concen: 4.790 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

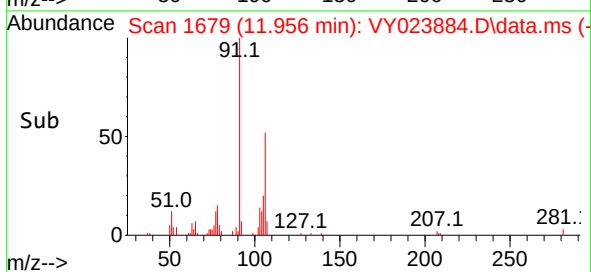
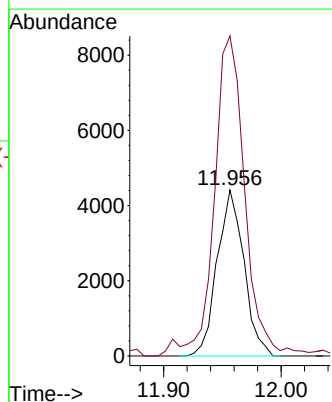
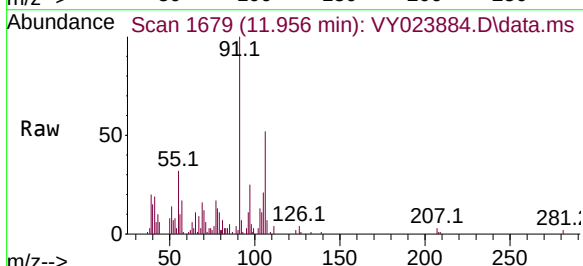
Instrument :
MSVOA_Y
ClientSampleId :
20071

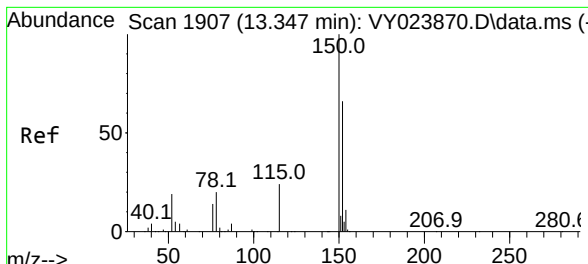
Tgt Ion:106 Resp: 13917
Ion Ratio Lower Upper
106 100
91 199.5 159.7 239.5



#69
o-Xylene
Concen: 2.569 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

Tgt Ion:106 Resp: 6981
Ion Ratio Lower Upper
106 100
91 220.5 104.4 313.1

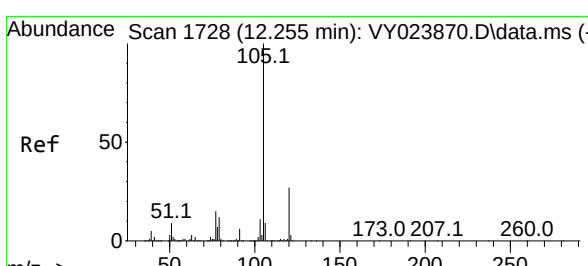
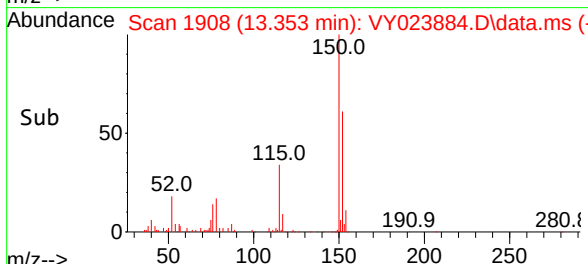
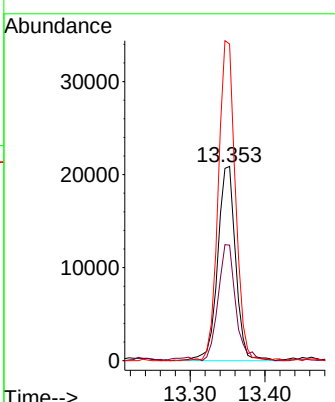
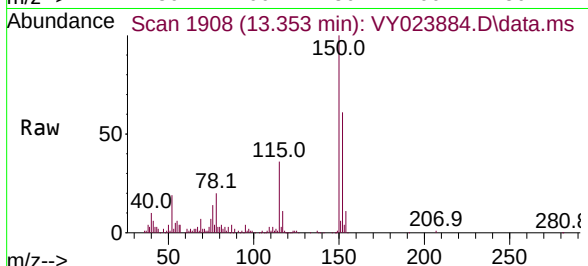




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY023884.D
 Acq: 04 Dec 2025 11:02

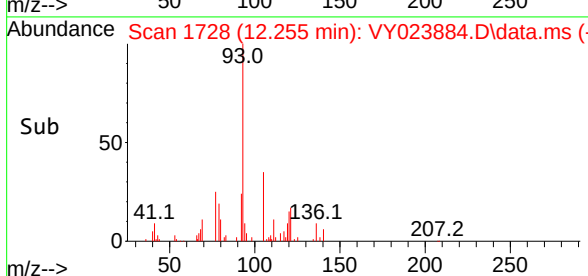
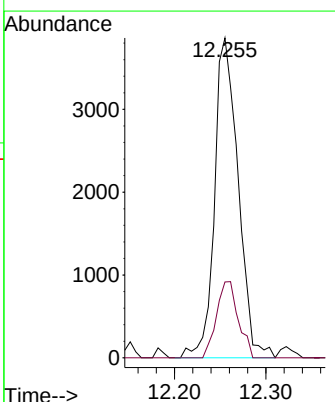
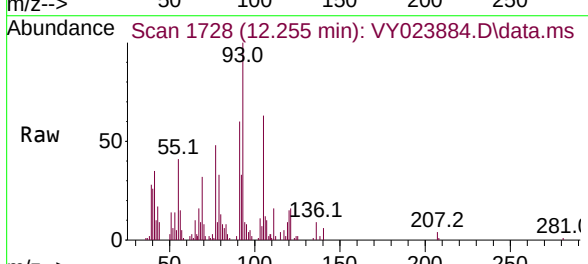
Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

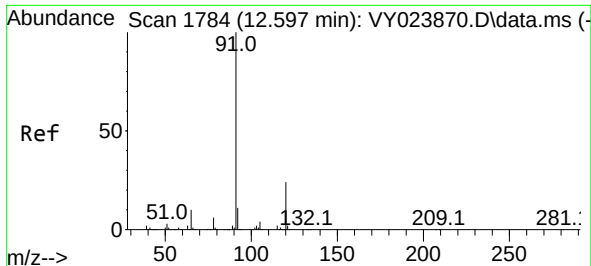
Tgt Ion:	152	Resp:	34819
Ion Ratio	Lower	Upper	
152	100		
115	58.8	28.8	86.4
150	157.1	0.0	352.2



#73
 Isopropylbenzene
 Concen: 2.705 ug/l
 RT: 12.255 min Scan# 1728
 Delta R.T. -0.000 min
 Lab File: VY023884.D
 Acq: 04 Dec 2025 11:02

Tgt Ion:	105	Resp:	6938
Ion Ratio	Lower	Upper	
105	100		
120	21.9	13.4	40.1

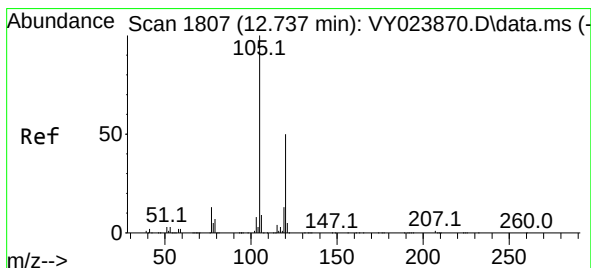
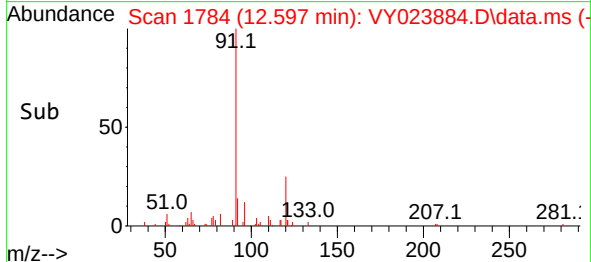
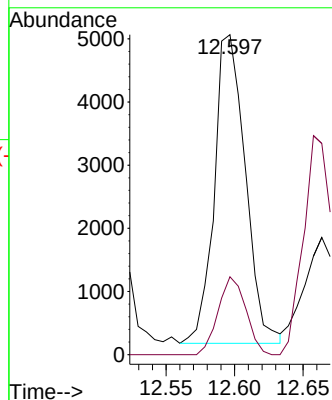
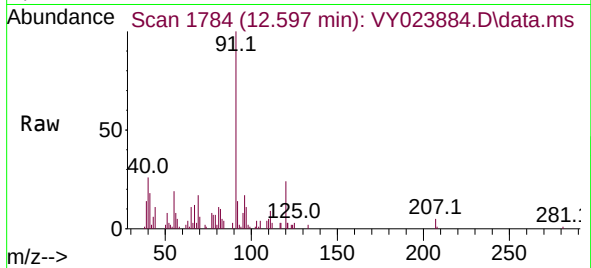




#78
n-propylbenzene
Concen: 2.491 ug/l
RT: 12.597 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

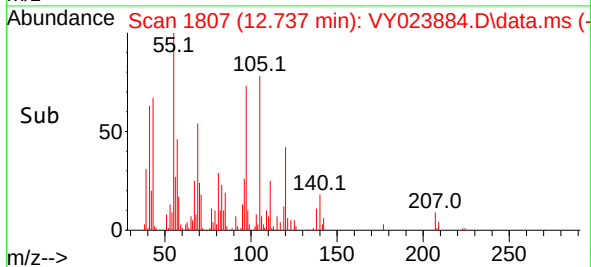
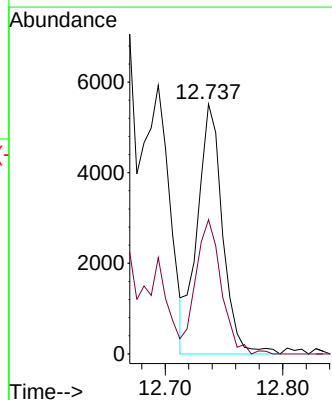
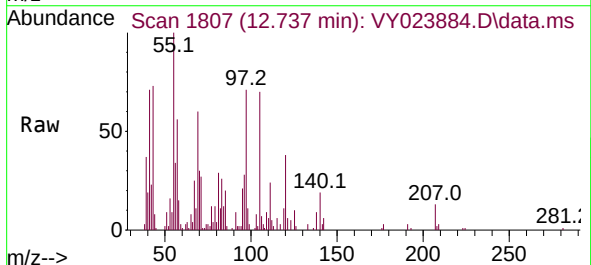
Instrument :
MSVOA_Y
ClientSampleId :
20071

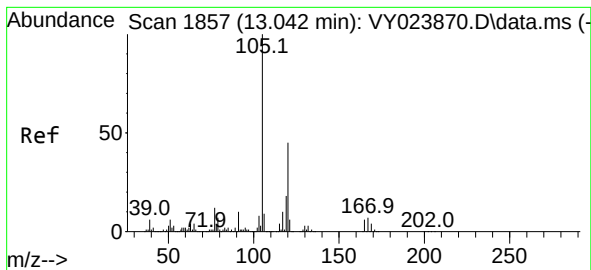
Tgt Ion: 91 Resp: 7710
Ion Ratio Lower Upper
91 100
120 22.5 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 3.943 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VY023884.D
Acq: 04 Dec 2025 11:02

Tgt Ion: 105 Resp: 8220
Ion Ratio Lower Upper
105 100
120 54.7 24.9 74.6





#84
 1,2,4-Trimethylbenzene
 Concen: 16.005 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.006 min
 Lab File: VY023884.D
 Acq: 04 Dec 2025 11:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Tgt Ion:105 Resp: 33050
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.3

