

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023229.D
 Acq On : 28 Aug 2025 16:15
 Operator : SY/MD
 Sample : Q2964-01
 Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBBX4R

Quant Time: Aug 29 02:12:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

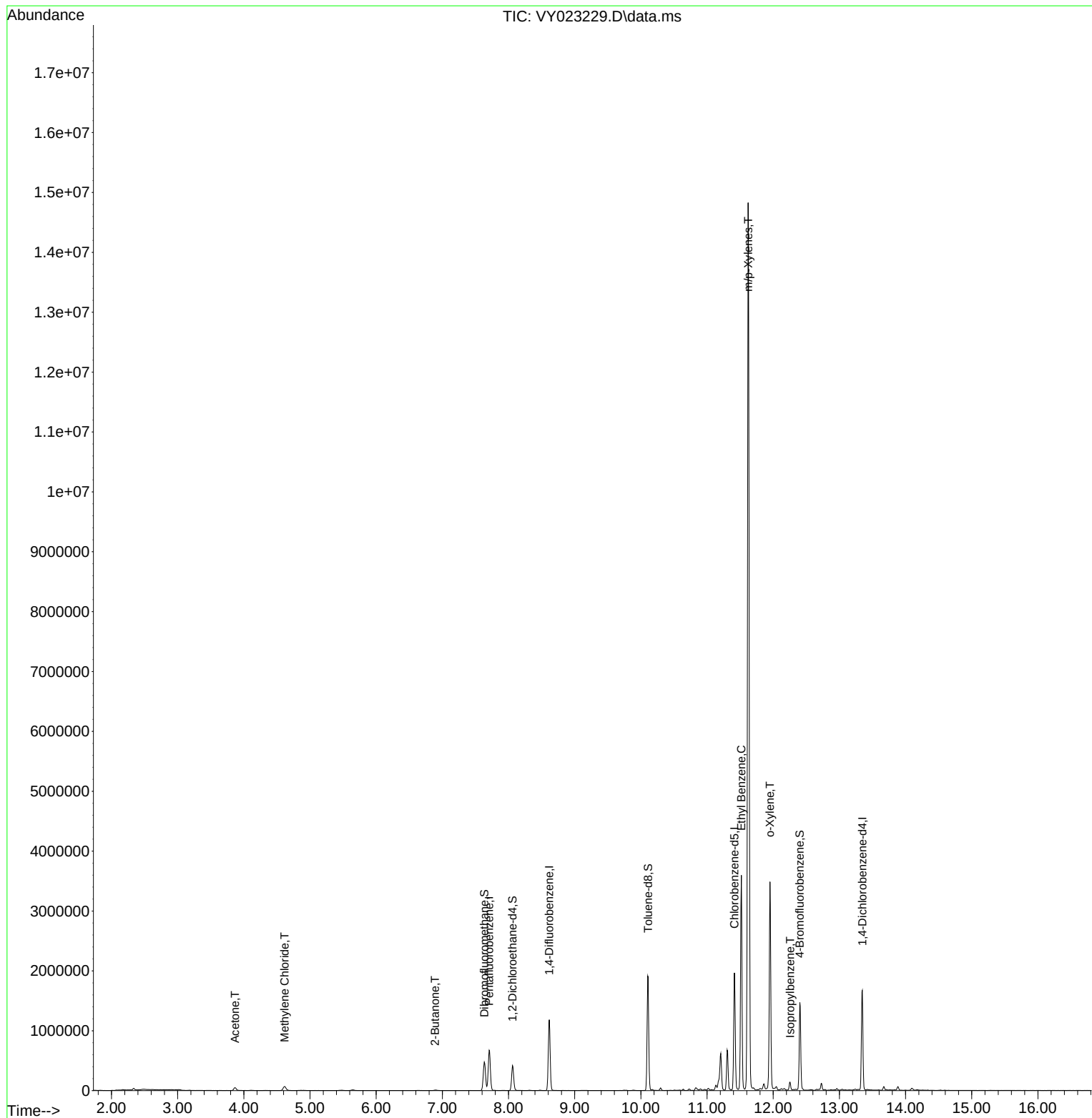
Internal Standards						
1) Pentafluorobenzene	7.707	168	536714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1037130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1043264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	449321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	321088	62.771	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.540%	
35) Dibromofluoromethane	7.634	113	343955	55.424	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.840%	
50) Toluene-d8	10.109	98	1280473	52.817	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.640%	
62) 4-Bromofluorobenzene	12.401	95	434029	55.668	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	83271	75.141	ug/l	98
20) Methylene Chloride	4.616	84	54154	7.071	ug/l	94
25) 2-Butanone	6.890	43	11150	7.398	ug/l	98
67) Ethyl Benzene	11.518	91	2388519	61.677	ug/l	98
68) m/p-Xylenes	11.621	106	4347804	287.460	ug/l	93
69) o-Xylene	11.950	106	908406	64.126	ug/l	99
73) Isopropylbenzene	12.255	105	85272	2.689	ug/l	99

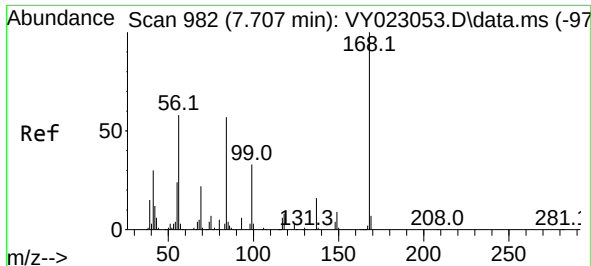
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

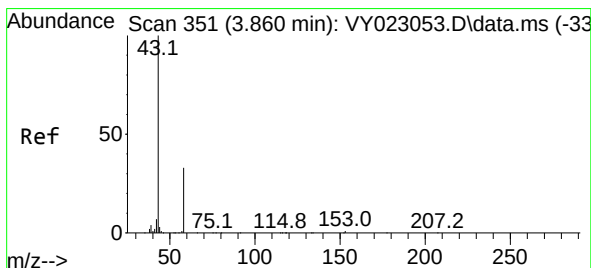
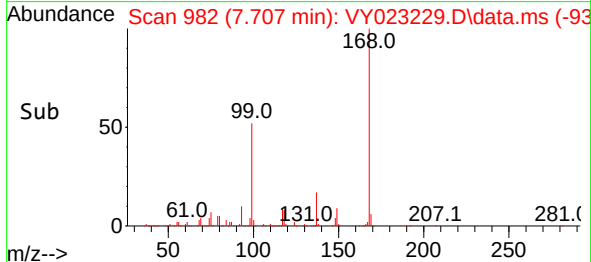
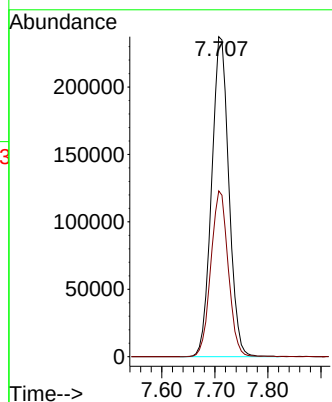
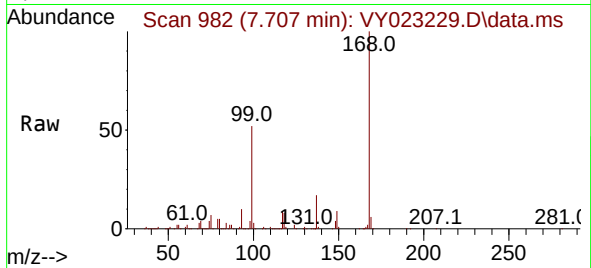




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

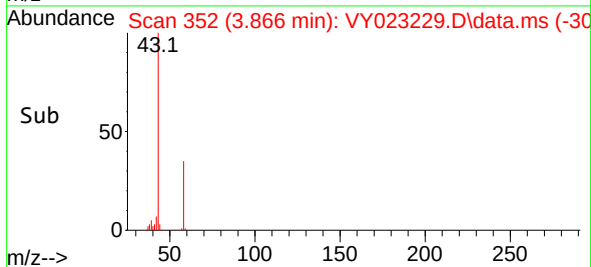
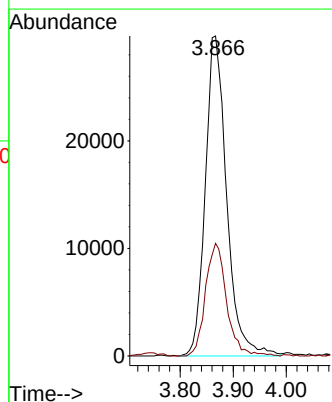
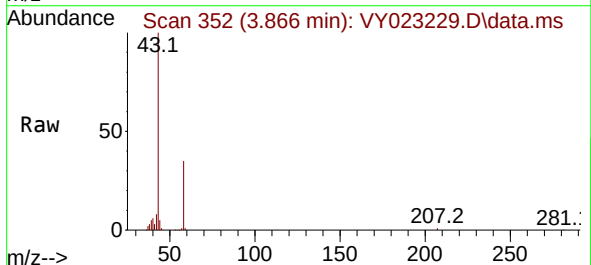
Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

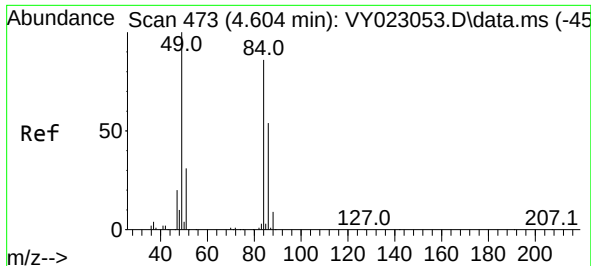
Tgt Ion:168 Resp: 536714
Ion Ratio Lower Upper
168 100
99 51.8 42.8 64.2



#16
Acetone
Concen: 75.141 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 43 Resp: 83271
Ion Ratio Lower Upper
43 100
58 35.2 27.1 40.7

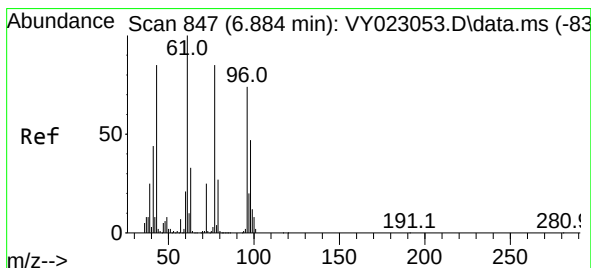
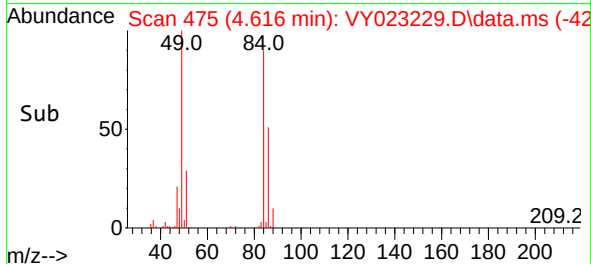
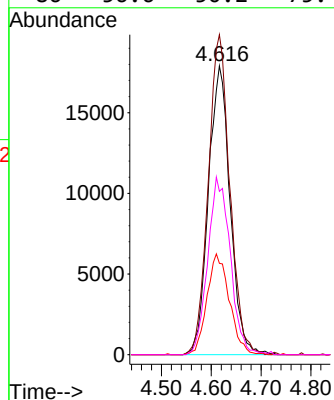
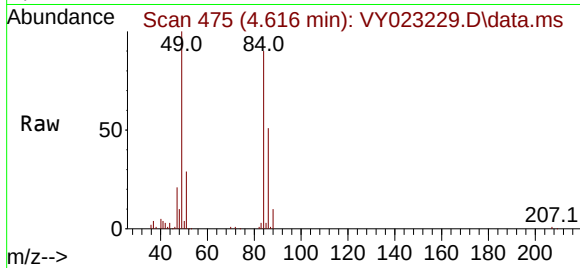




#20
Methylene Chloride
Concen: 7.071 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

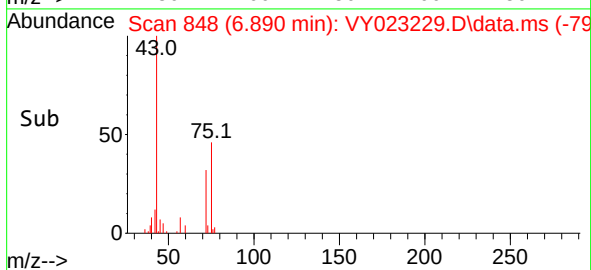
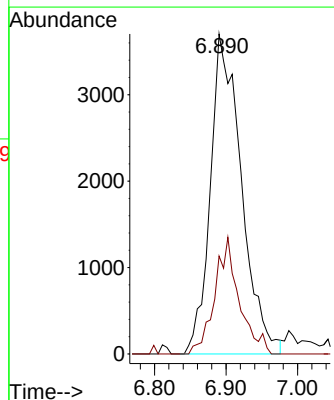
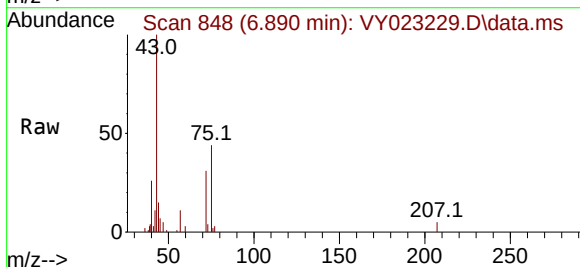
Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

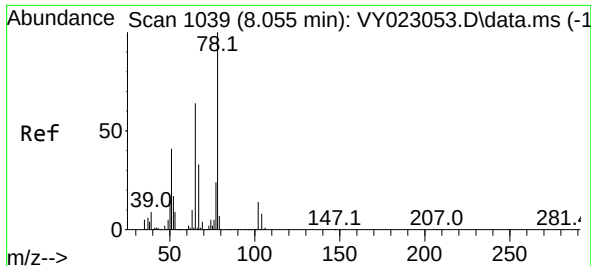
Tgt Ion:	84	Resp:	54154
Ion	Ratio	Lower	Upper
84	100		
49	110.8	93.0	139.6
51	31.7	29.0	43.4
86	56.6	50.2	75.4



#25
2-Butanone
Concen: 7.398 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion:	43	Resp:	11150
Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.5	35.3





#33

1,2-Dichloroethane-d4

Concen: 62.771 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023229.D

Acq: 28 Aug 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

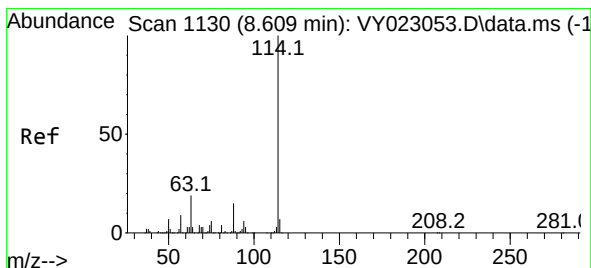
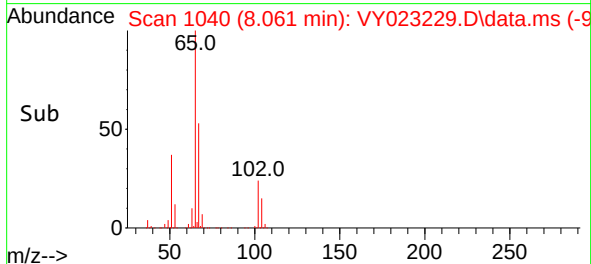
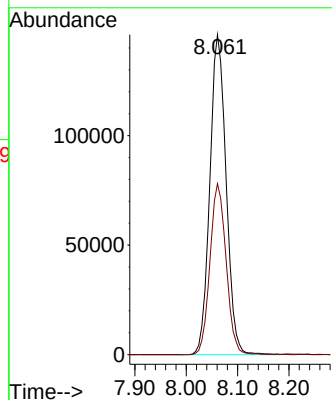
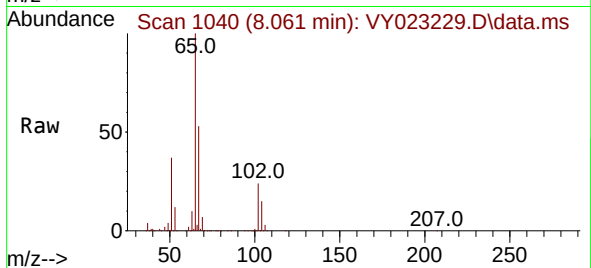
RBBX4R

Tgt Ion: 65 Resp: 321088

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023229.D

Acq: 28 Aug 2025 16:15

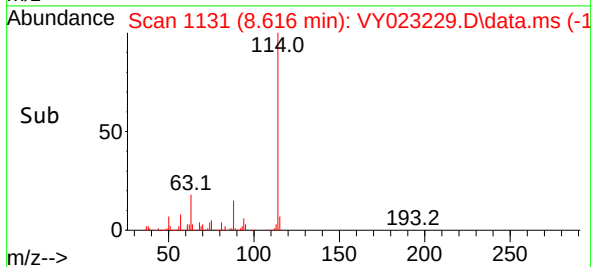
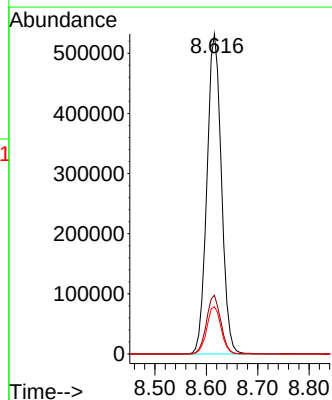
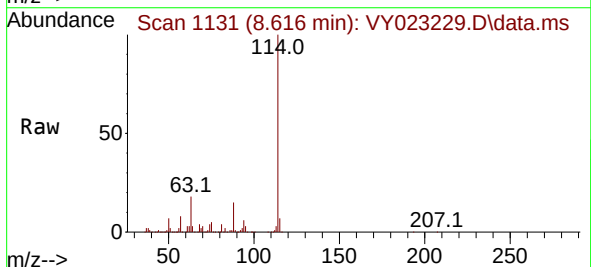
Tgt Ion: 114 Resp: 1037130

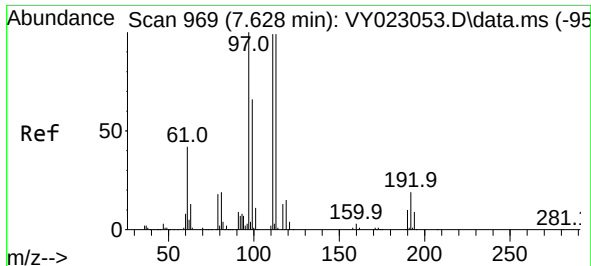
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 14.7 0.0 30.0

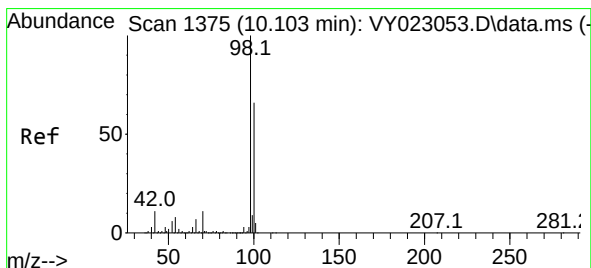
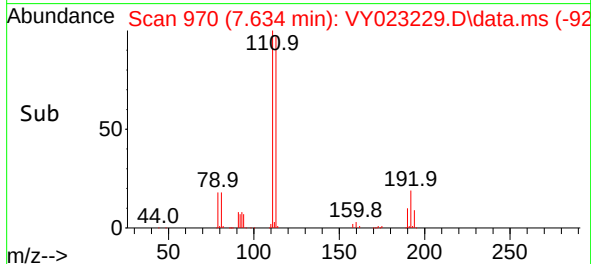
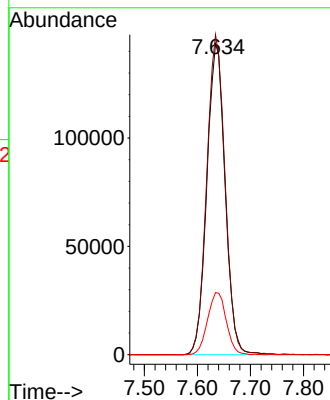
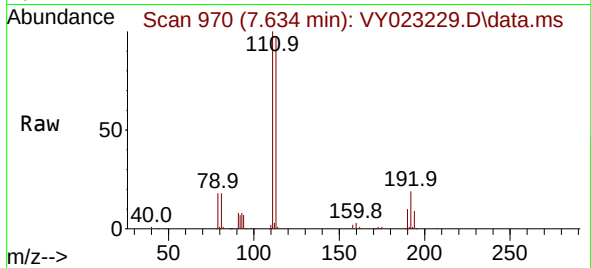




#35
Dibromofluoromethane
Concen: 55.424 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

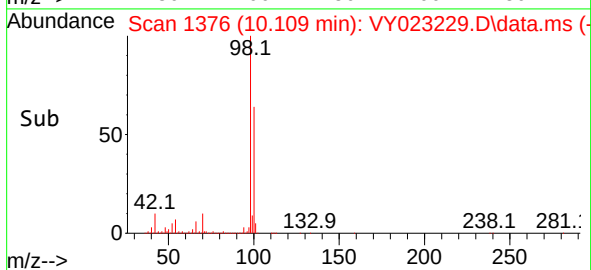
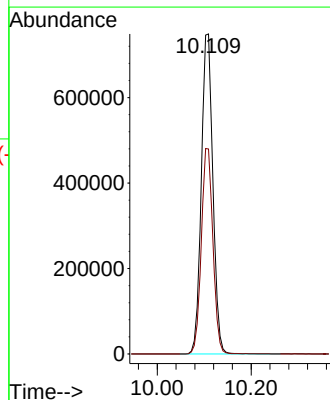
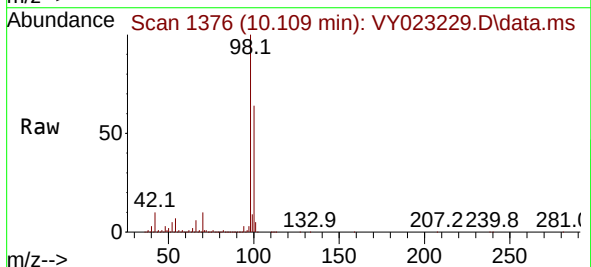
Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

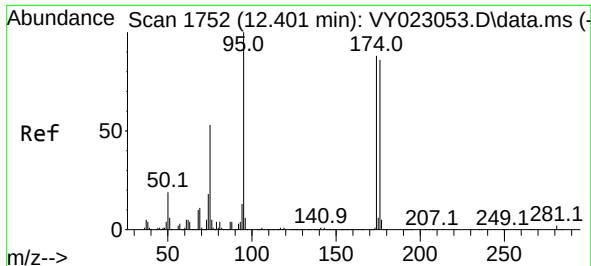
Tgt Ion:113 Resp: 343955
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 20.5 16.2 24.4



#50
Toluene-d8
Concen: 52.817 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 98 Resp: 1280473
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

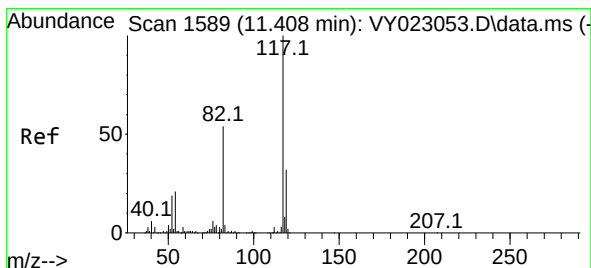
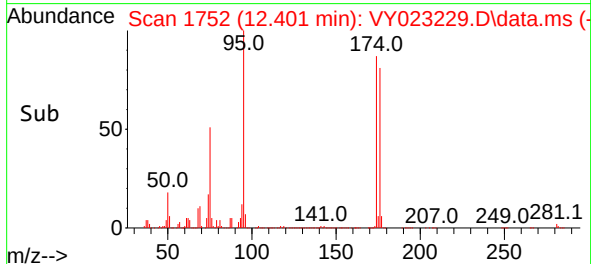
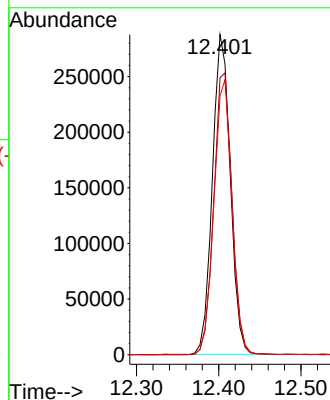
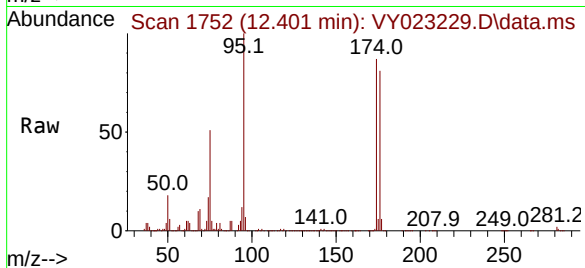




#62
4-Bromofluorobenzene
Concen: 55.668 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

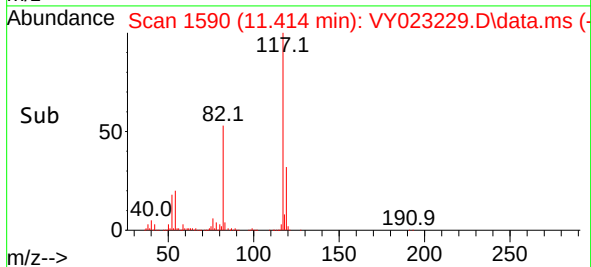
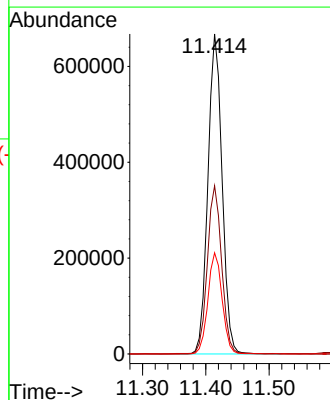
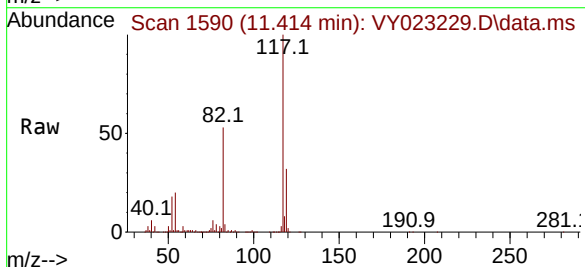
Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

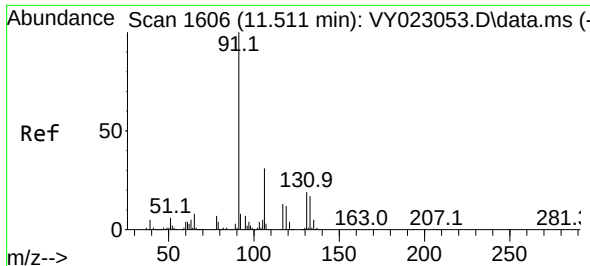
Tgt Ion: 95 Resp: 434029
Ion Ratio Lower Upper
95 100
174 90.1 0.0 171.6
176 87.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 117 Resp: 1043264
Ion Ratio Lower Upper
117 100
82 52.5 43.4 65.0
119 31.6 25.6 38.4





#67

Ethyl Benzene

Concen: 61.677 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. 0.006 min

Lab File: VY023229.D

Acq: 28 Aug 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

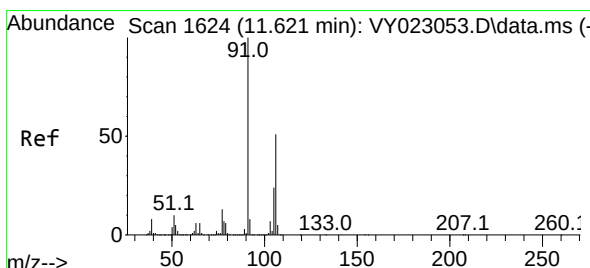
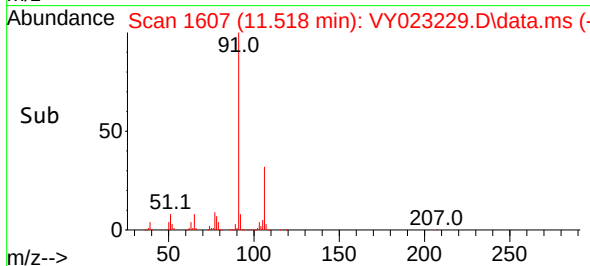
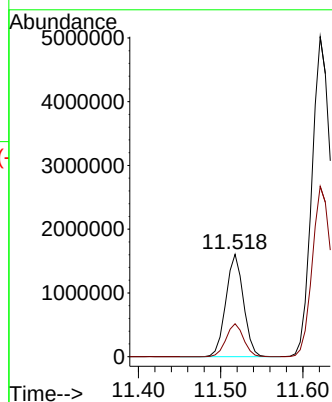
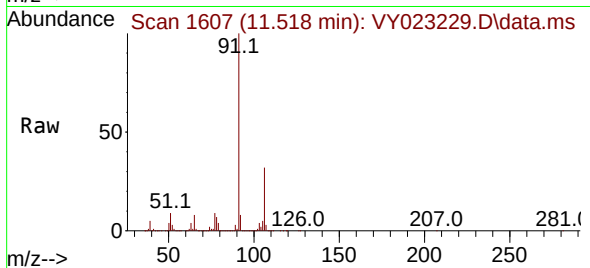
RBBX4R

Tgt Ion: 91 Resp: 2388519

Ion Ratio Lower Upper

91 100

106 32.3 25.0 37.4



#68

m/p-Xylenes

Concen: 287.460 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. 0.000 min

Lab File: VY023229.D

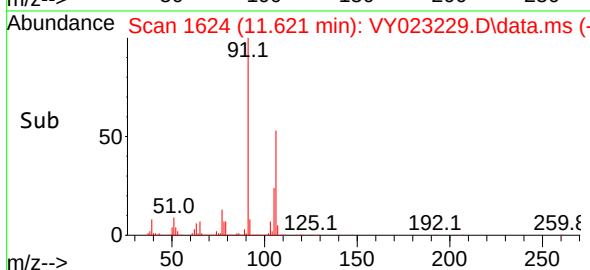
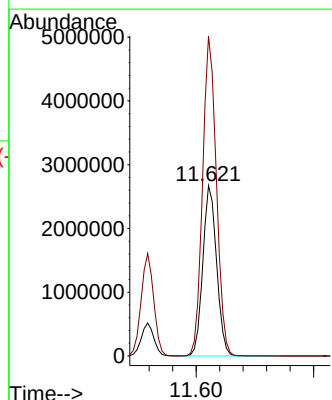
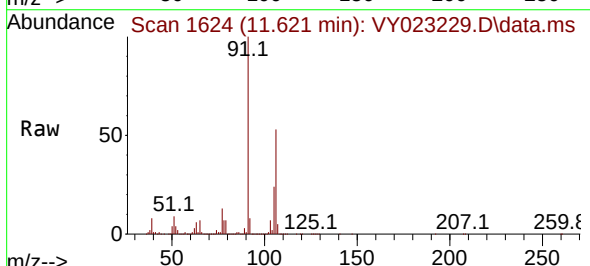
Acq: 28 Aug 2025 16:15

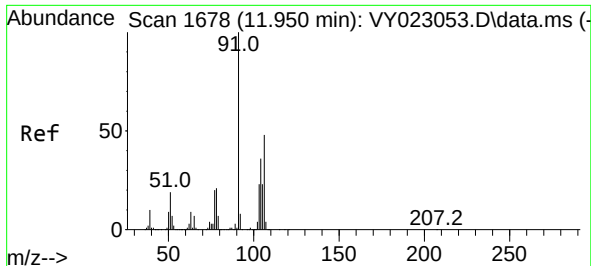
Tgt Ion:106 Resp: 4347804

Ion Ratio Lower Upper

106 100

91 188.3 158.6 238.0

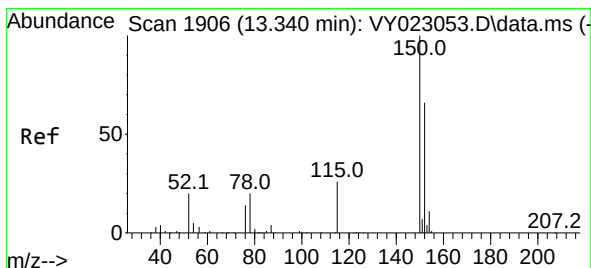
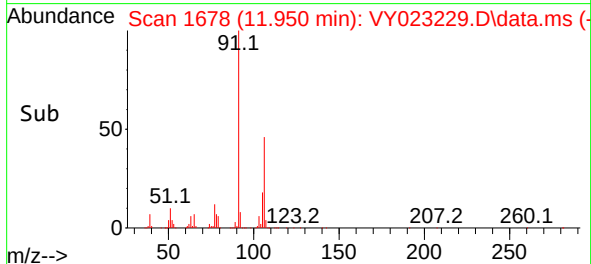
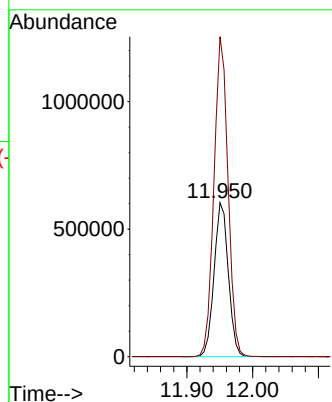
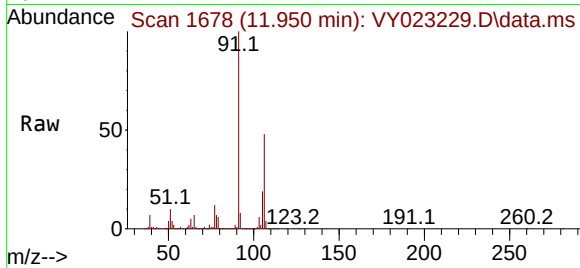




#69
o-Xylene
Concen: 64.126 ug/l
RT: 11.950 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

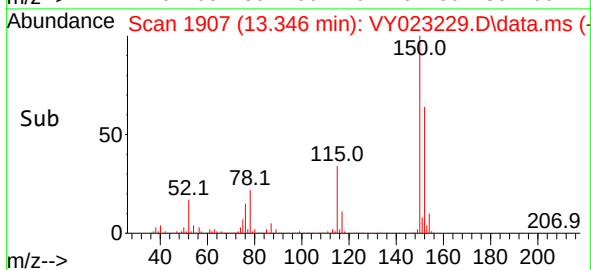
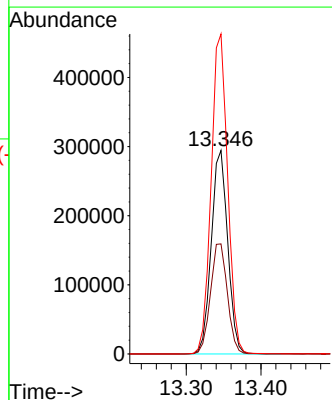
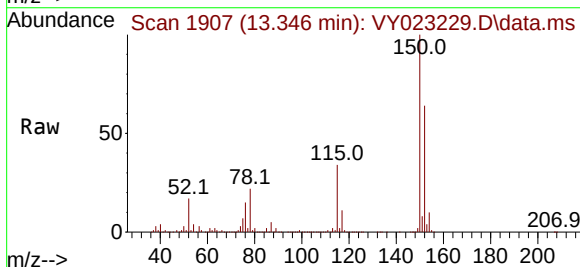
Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

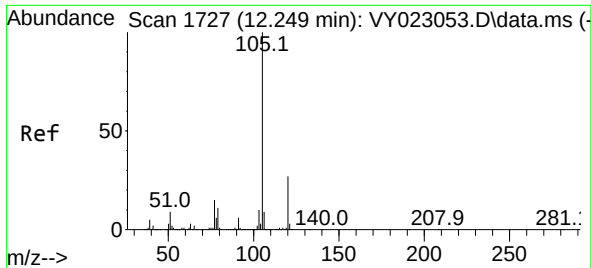
Tgt Ion:106 Resp: 908406
Ion Ratio Lower Upper
106 100
91 205.5 103.2 309.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion:152 Resp: 449321
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 157.9 0.0 348.0





#73
Isopropylbenzene
Concen: 2.689 ug/l
RT: 12.255 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion:105 Resp: 85272
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2

