

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044991.D
 Acq On : 18 Feb 2025 16:31
 Operator : JC/MD
 Sample : Q1373-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VDR25992

Quant Time: Feb 19 06:14:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

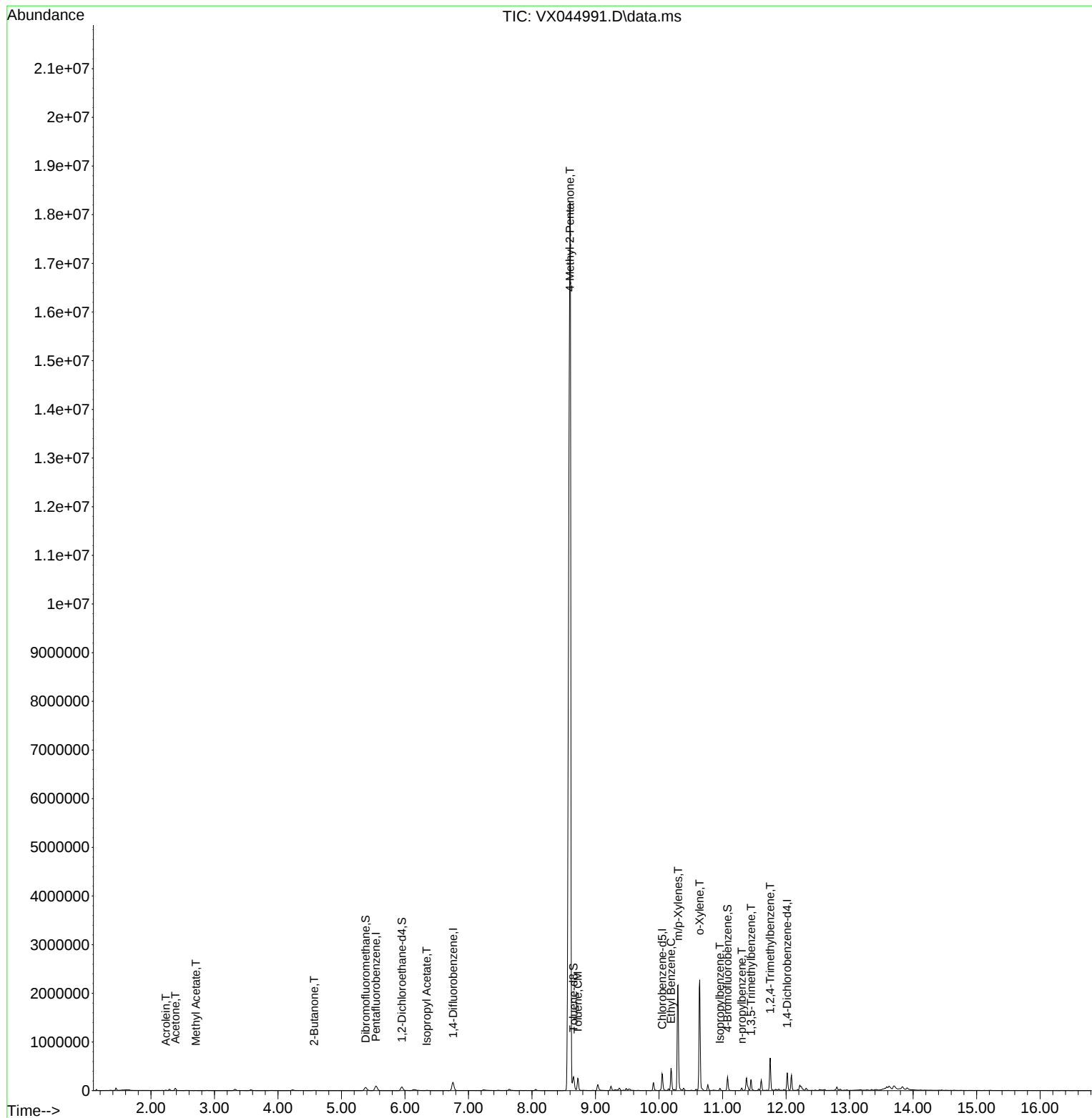
Internal Standards						
1) Pentafluorobenzene	5.544	168	87085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	173907	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	148413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69402	54.443	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.880%	
35) Dibromofluoromethane	5.379	113	57682	51.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.040%	
50) Toluene-d8	8.653	98	182791	42.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 85.500%#	
62) 4-Bromofluorobenzene	11.079	95	72773	50.488	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.980%	
Target Compounds						
					Qvalue	
13) Acrolein	2.233	56	6636	27.197	ug/l	95
16) Acetone	2.386	43	50612	98.761	ug/l	98
18) Methyl Acetate	2.709	43	1990	1.231	ug/l	98
25) 2-Butanone	4.568	43	10531	12.655	ug/l	95
43) Isopropyl Acetate	6.342	43	8301	2.833	ug/l #	91
51) 4-Methyl-2-Pentanone	8.598	43	15308154	8593.813	ug/l	98
52) Toluene	8.720	92	86330	28.458	ug/l	98
67) Ethyl Benzene	10.189	91	274822	48.855	ug/l	100
68) m/p-Xylenes	10.299	106	503625	242.702	ug/l	98
69) o-Xylene	10.640	106	488575	234.648	ug/l	98
73) Isopropylbenzene	10.957	105	23804	4.224	ug/l	100
78) n-propylbenzene	11.305	91	30523	4.692	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	96152	21.023	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	266321	58.997	ug/l	95

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

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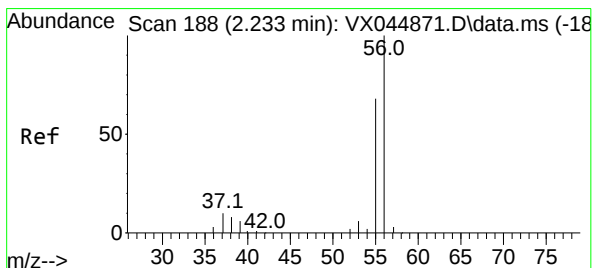
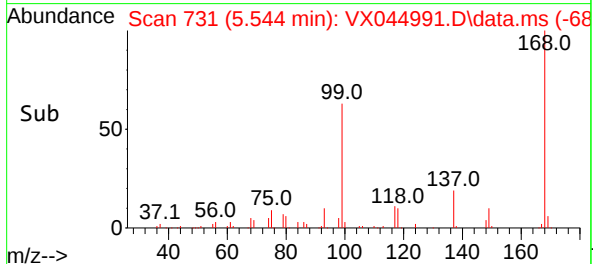
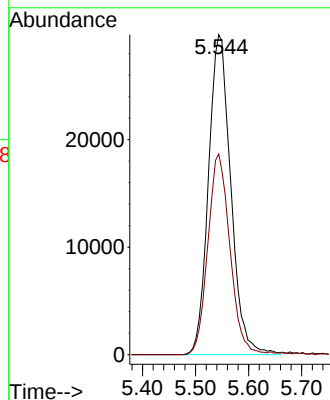
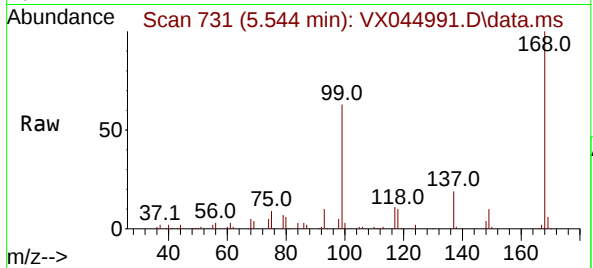




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

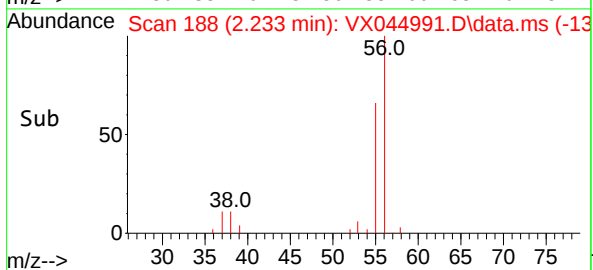
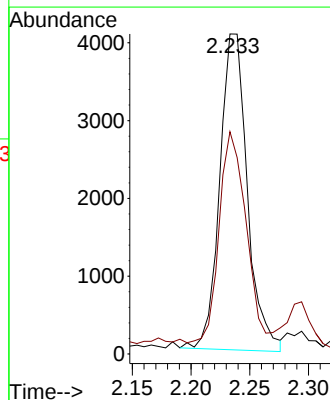
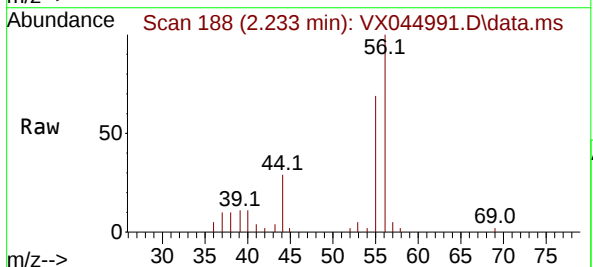
Instrument :
MSVOA_X
ClientSampleId :
VDR25992

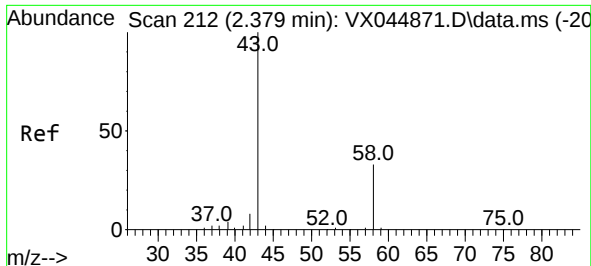
Tgt Ion:168 Resp: 87085
Ion Ratio Lower Upper
168 100
99 62.7 51.2 76.8



#13
Acrolein
Concen: 27.197 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 56 Resp: 6636
Ion Ratio Lower Upper
56 100
55 65.3 55.7 83.5





#16

Acetone

Concen: 98.761 ug/l

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX044991.D

Acq: 18 Feb 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

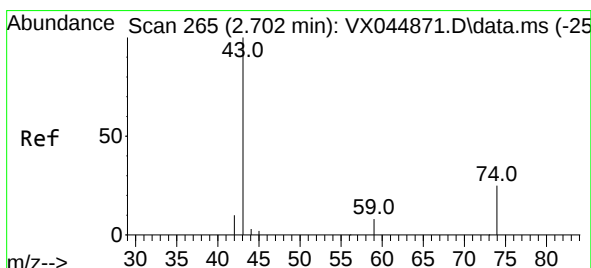
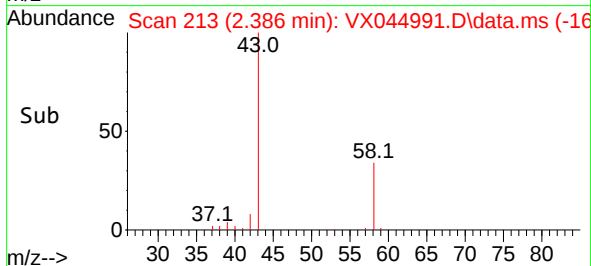
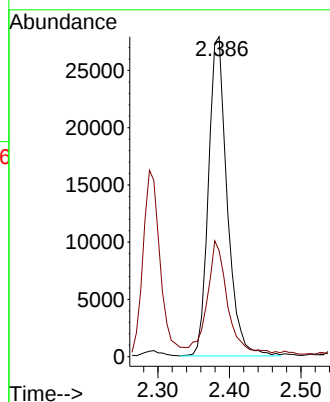
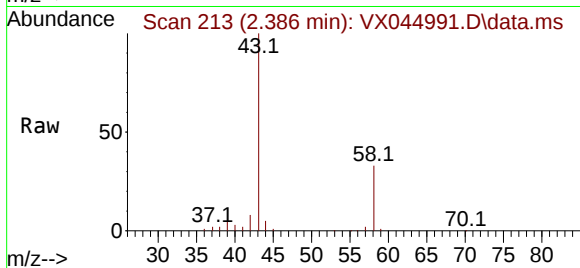
VDR25992

Tgt Ion: 43 Resp: 50612

Ion Ratio Lower Upper

43 100

58 32.0 26.5 39.7



#18

Methyl Acetate

Concen: 1.231 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX044991.D

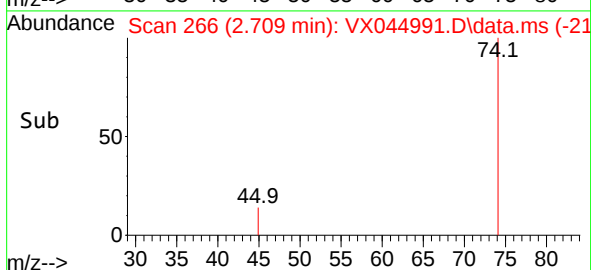
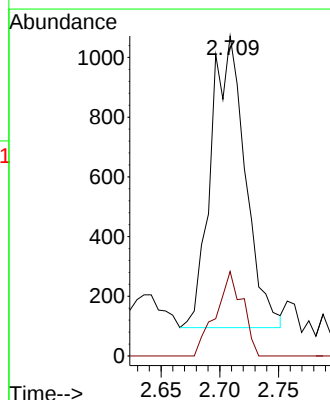
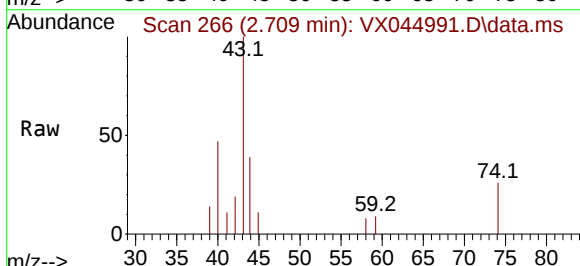
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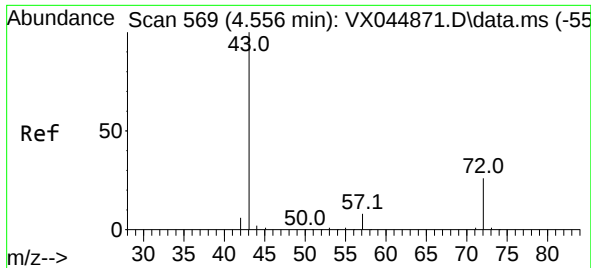
Tgt Ion: 43 Resp: 1990

Ion Ratio Lower Upper

43 100

74 22.6 18.9 28.3

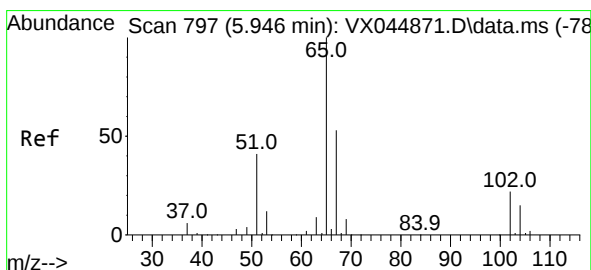
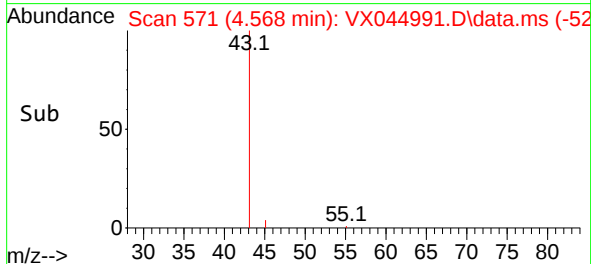
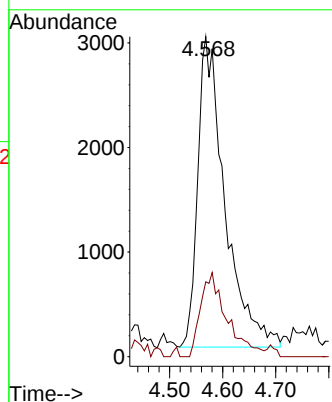
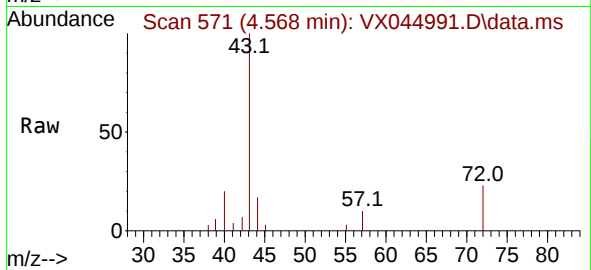




#25
2-Butanone
Concen: 12.655 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

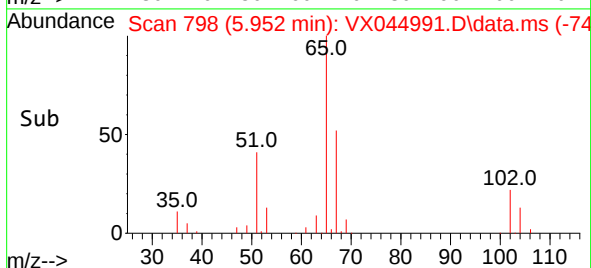
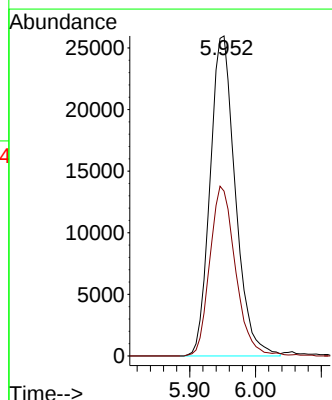
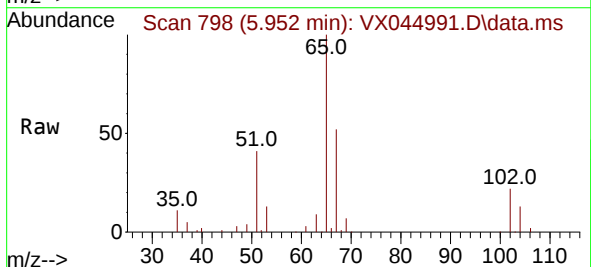
Instrument :
MSVOA_X
ClientSampleId :
VDR25992

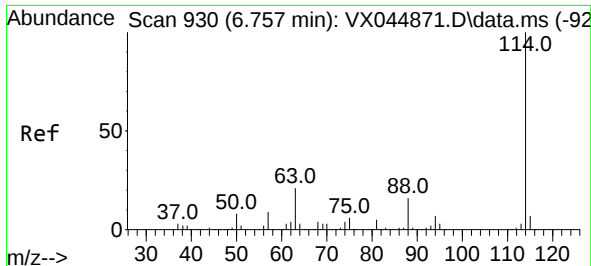
Tgt Ion: 43 Resp: 10531
Ion Ratio Lower Upper
43 100
72 24.1 21.2 31.8



#33
1,2-Dichloroethane-d4
Concen: 54.443 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 65 Resp: 69402
Ion Ratio Lower Upper
65 100
67 53.9 0.0 108.2

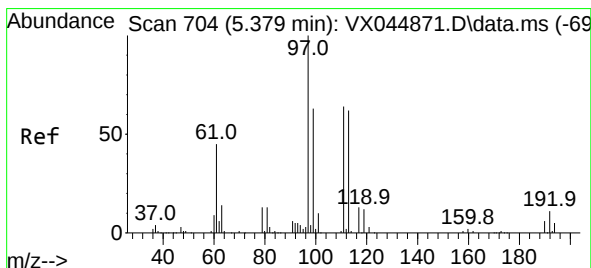
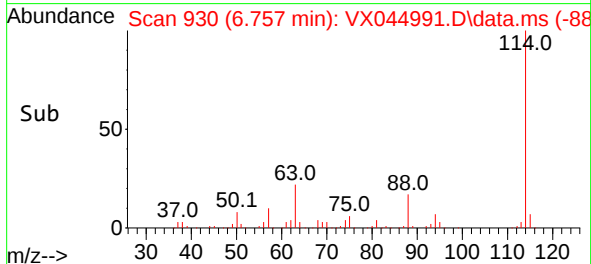
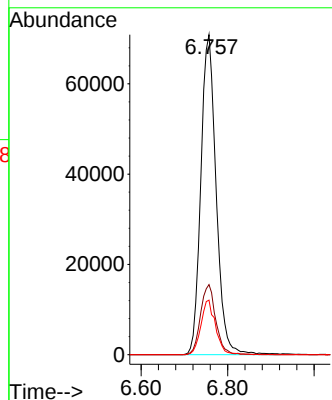
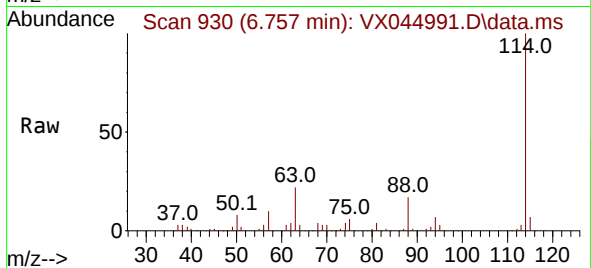




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX044991.D
 Acq: 18 Feb 2025 16:31

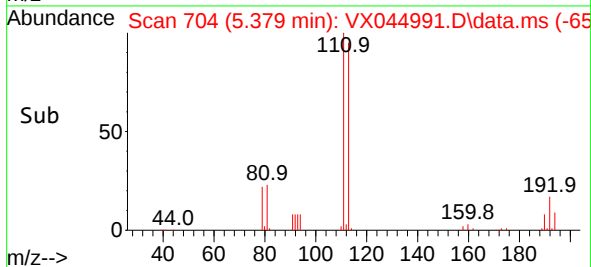
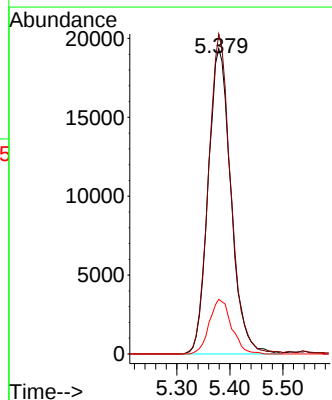
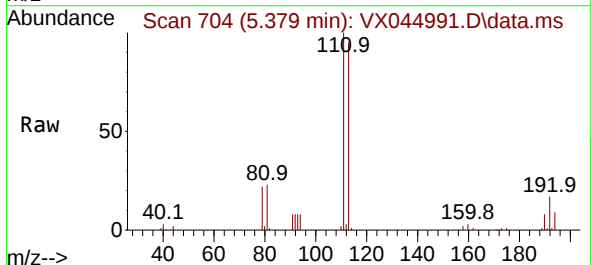
Instrument :
 MSVOA_X
 ClientSampleId :
 VDR25992

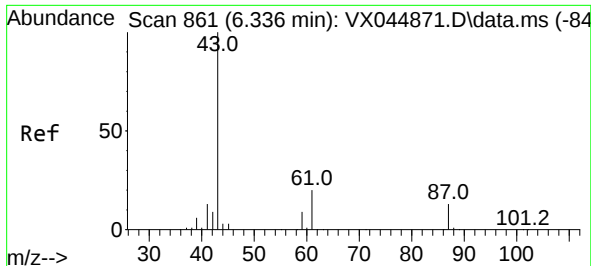
Tgt Ion:114 Resp: 173907
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.4
 88 17.1 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 51.015 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX044991.D
 Acq: 18 Feb 2025 16:31

Tgt Ion:113 Resp: 57682
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.5 125.3
 192 17.5 14.4 21.6





#43

Isopropyl Acetate

Concen: 2.833 ug/l

RT: 6.342 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX044991.D

Acq: 18 Feb 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

VDR25992

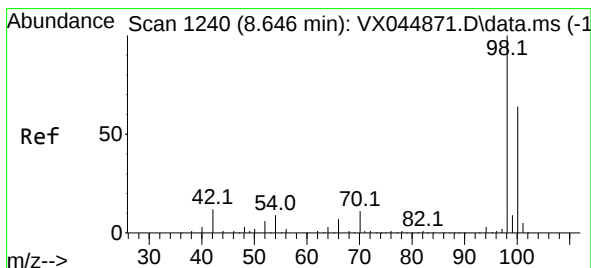
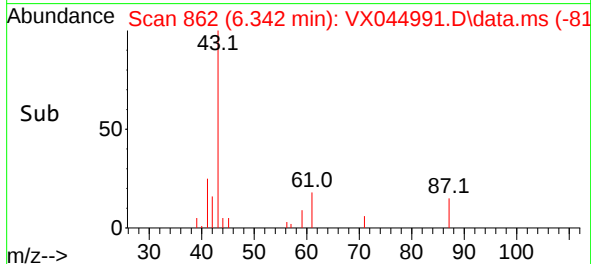
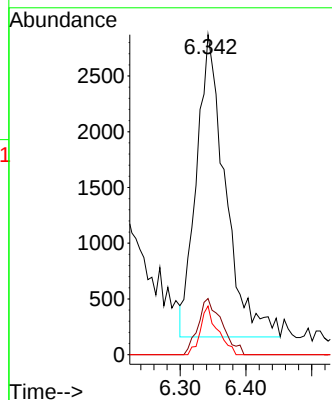
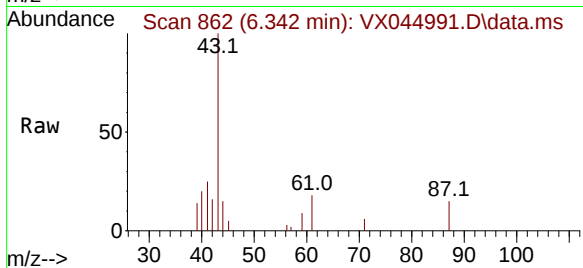
Tgt Ion: 43 Resp: 8301

Ion Ratio Lower Upper

43 100

61 15.3 15.8 23.8#

87 9.5 10.0 15.0#



#50

Toluene-d8

Concen: 42.752 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX044991.D

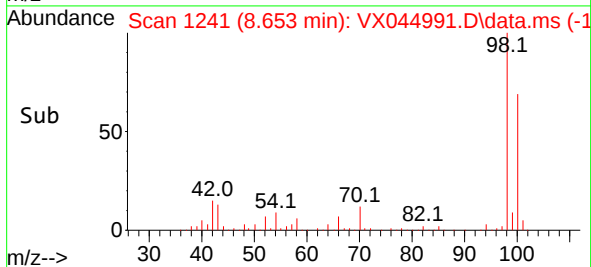
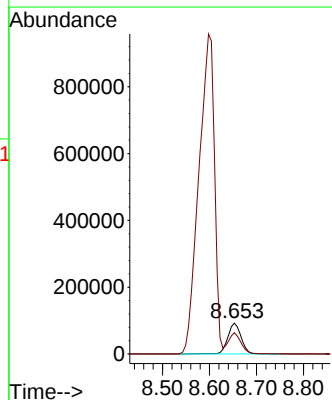
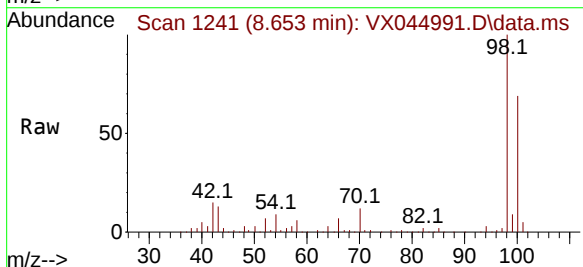
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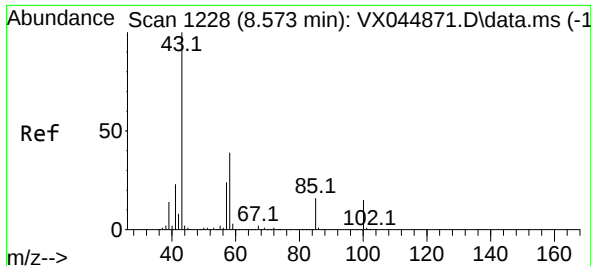
Tgt Ion: 98 Resp: 182791

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 8593.813 ug/l

RT: 8.598 min Scan# 11

Delta R.T. 0.025 min

Lab File: VX044991.D

Acq: 18 Feb 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

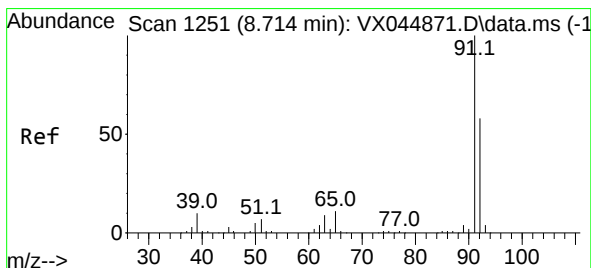
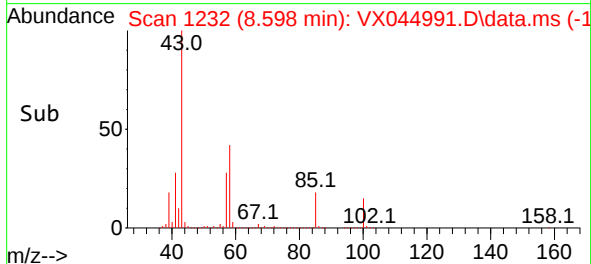
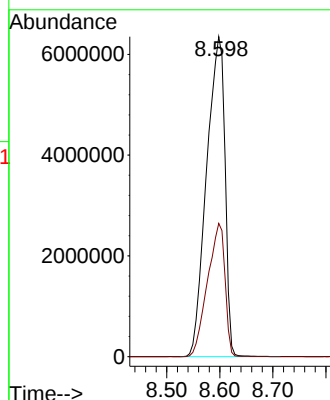
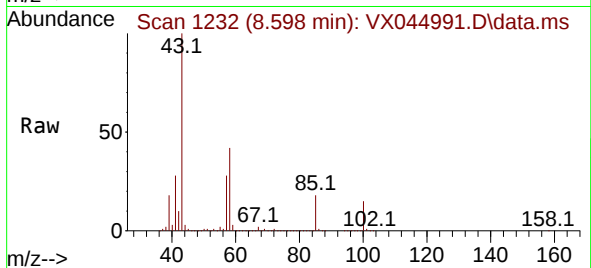
VDR25992

Tgt Ion: 43 Resp:15308154

Ion Ratio Lower Upper

43 100

58 39.6 30.8 46.2



#52

Toluene

Concen: 28.458 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX044991.D

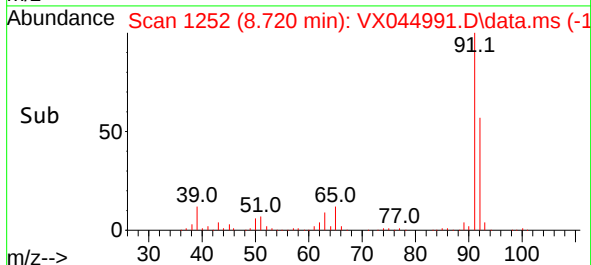
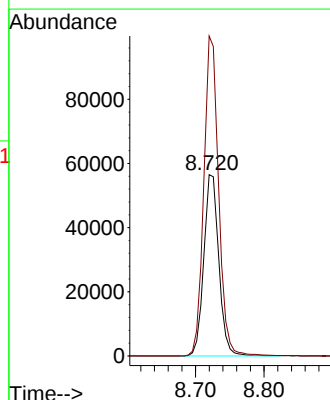
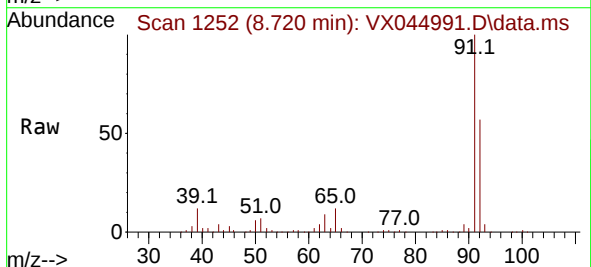
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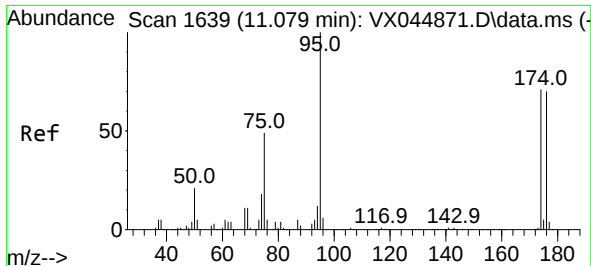
Tgt Ion: 92 Resp: 86330

Ion Ratio Lower Upper

92 100

91 174.3 137.4 206.2

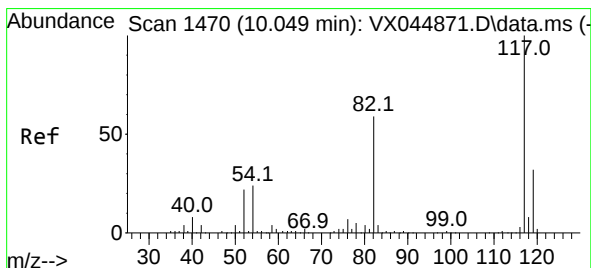
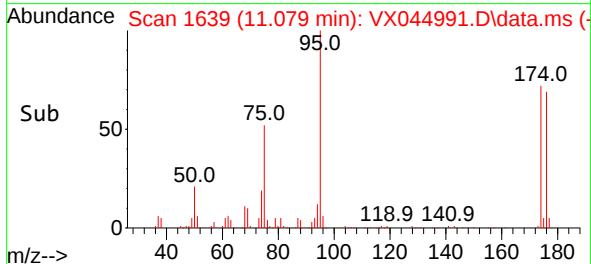
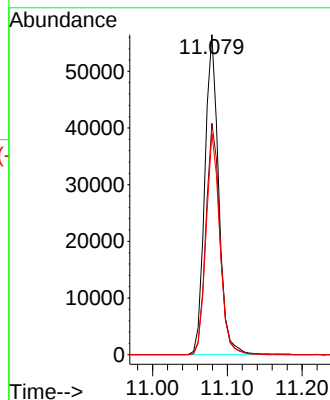
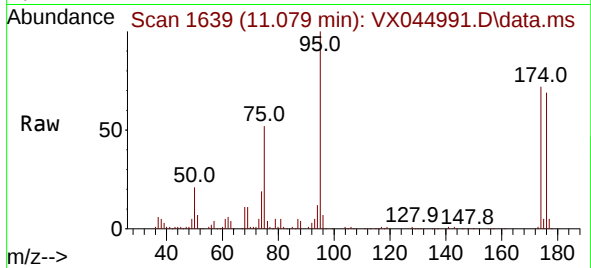




#62
4-Bromofluorobenzene
Concen: 50.488 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

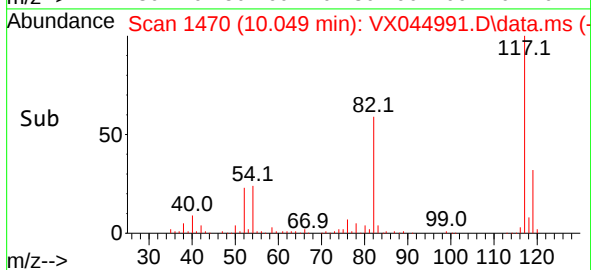
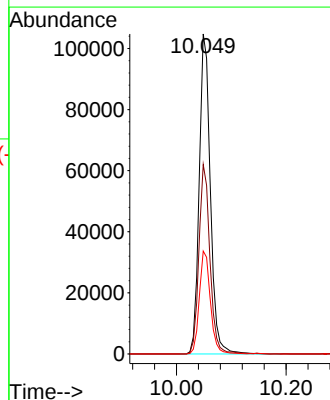
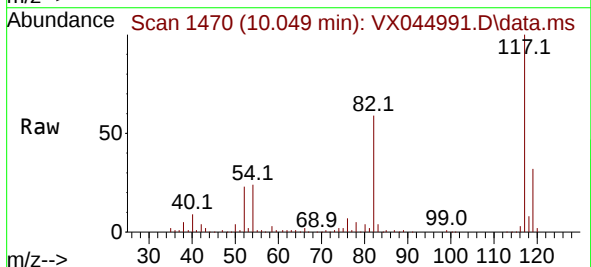
Instrument :
MSVOA_X
ClientSampleId :
VDR25992

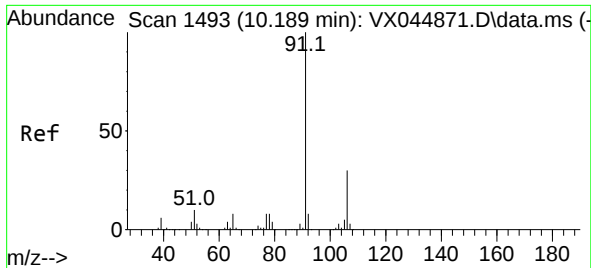
Tgt Ion: 95 Resp: 72773
Ion Ratio Lower Upper
95 100
174 72.9 0.0 142.6
176 69.1 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 117 Resp: 148413
Ion Ratio Lower Upper
117 100
82 59.2 47.5 71.3
119 32.1 25.4 38.0





#67

Ethyl Benzene

Concen: 48.855 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX044991.D

Acq: 18 Feb 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

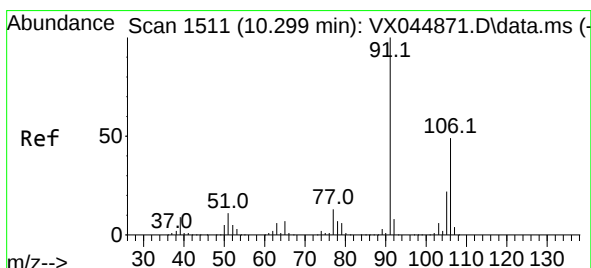
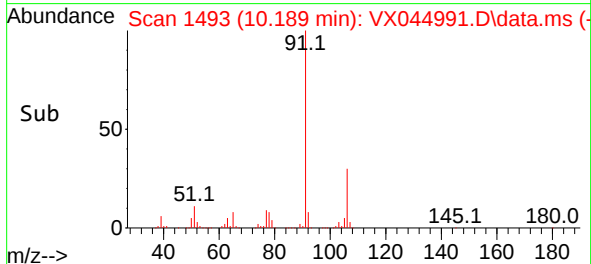
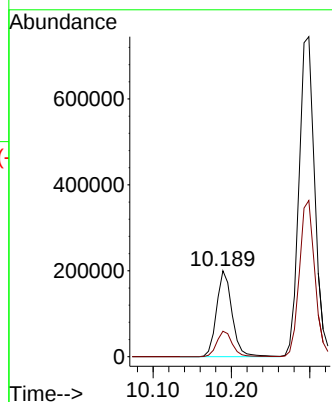
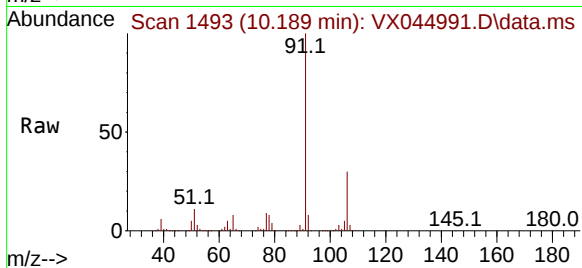
VDR25992

Tgt Ion: 91 Resp: 274822

Ion Ratio Lower Upper

91 100

106 29.6 23.9 35.9



#68

m/p-Xylenes

Concen: 242.702 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX044991.D

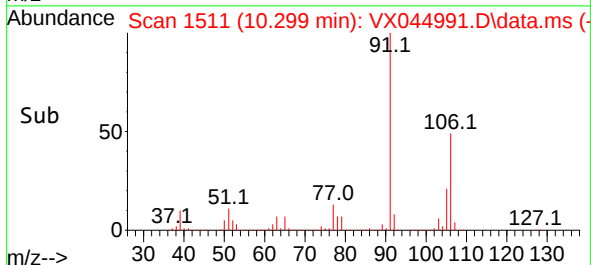
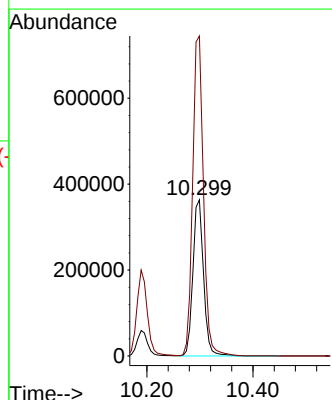
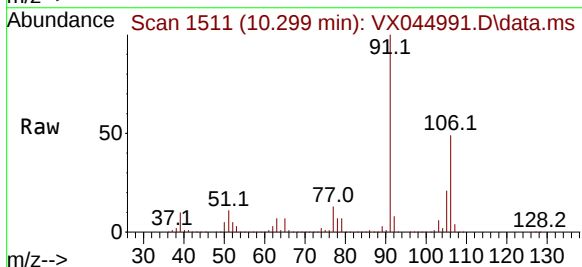
Acq: 18 Feb 2025 16:31

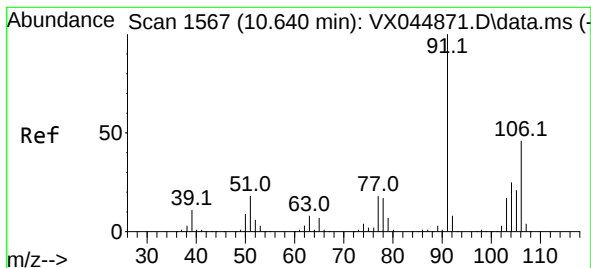
Tgt Ion:106 Resp: 503625

Ion Ratio Lower Upper

106 100

91 208.9 164.3 246.5

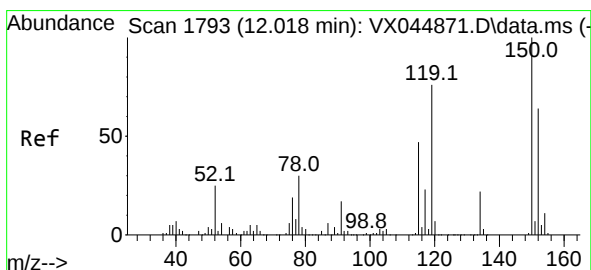
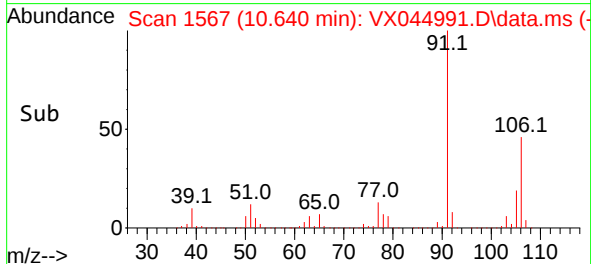
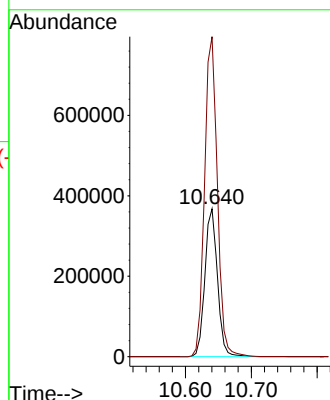
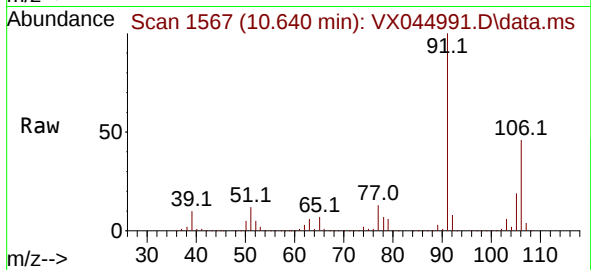




#69
o-Xylene
Concen: 234.648 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

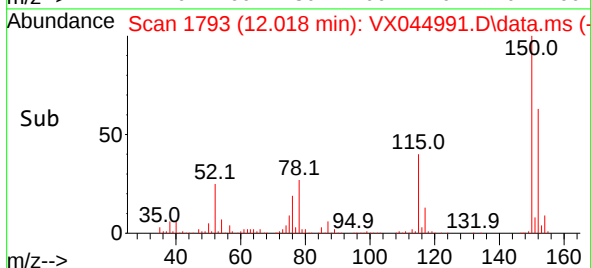
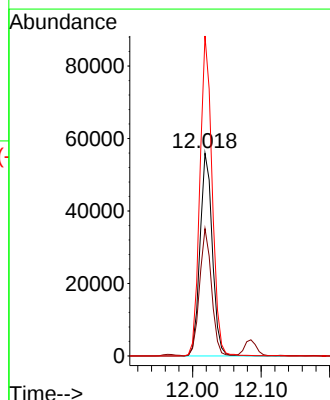
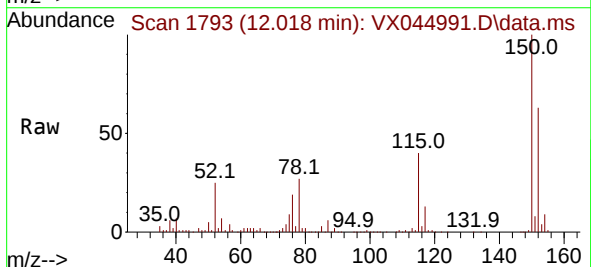
Instrument :
MSVOA_X
ClientSampleId :
VDR25992

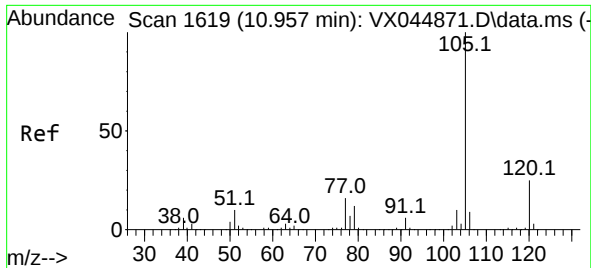
Tgt Ion:106 Resp: 488575
Ion Ratio Lower Upper
106 100
91 220.0 108.5 325.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

Tgt Ion:152 Resp: 69996
Ion Ratio Lower Upper
152 100
115 61.2 43.4 130.1
150 156.7 0.0 350.4

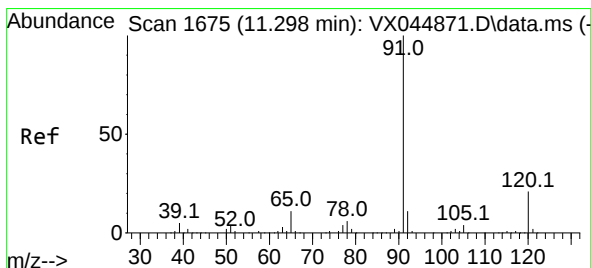
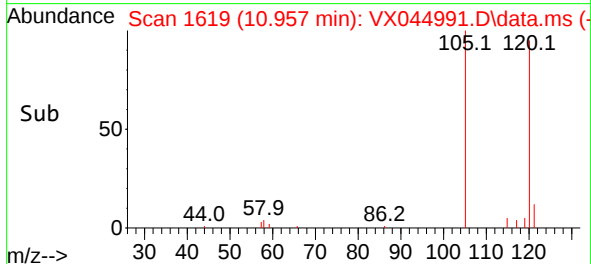
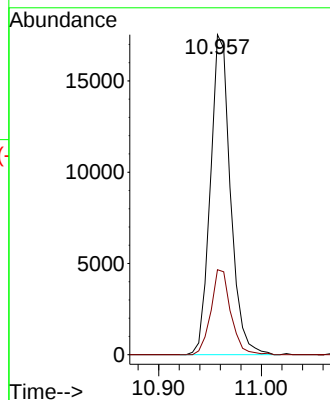
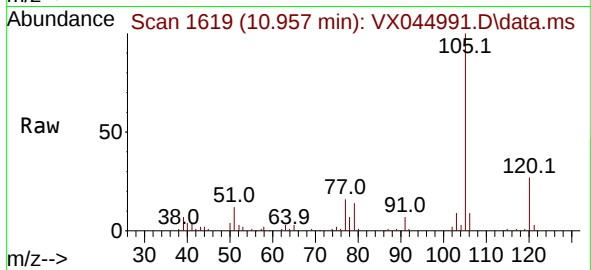




#73
Isopropylbenzene
Concen: 4.224 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

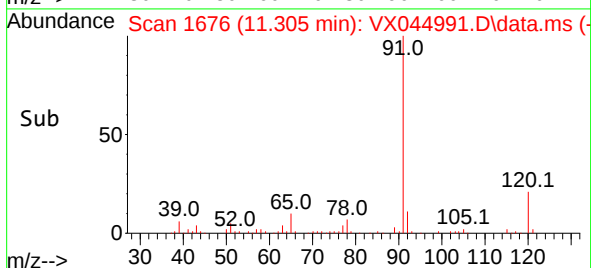
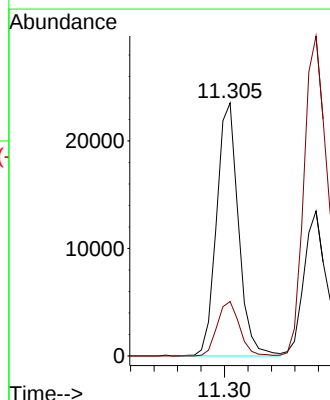
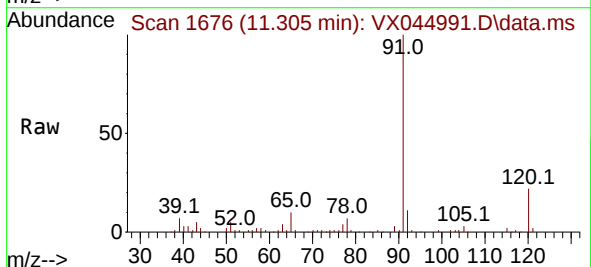
Instrument :
MSVOA_X
ClientSampleId :
VDR25992

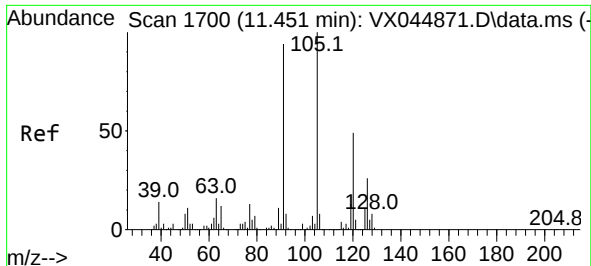
Tgt Ion:105 Resp: 23804
Ion Ratio Lower Upper
105 100
120 26.4 13.2 39.5



#78
n-propylbenzene
Concen: 4.692 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

Tgt Ion: 91 Resp: 30523
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3

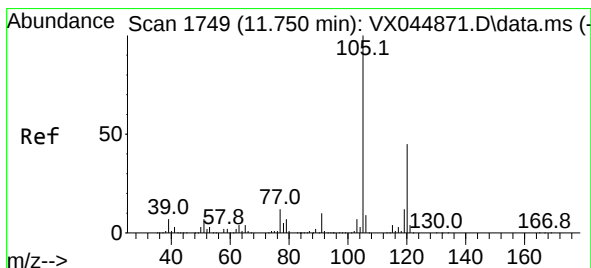
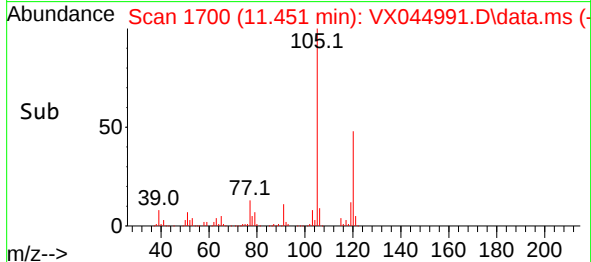
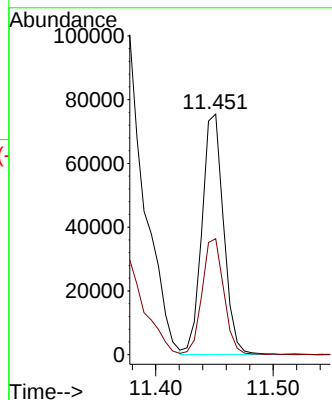
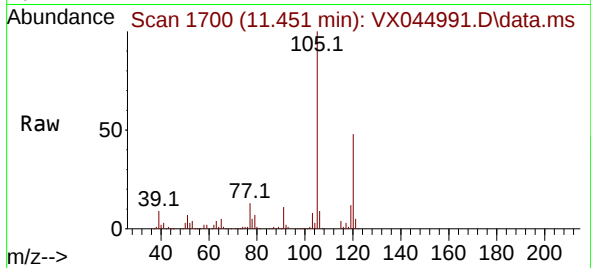




#80
1,3,5-Trimethylbenzene
Concen: 21.023 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :
VDR25992

Tgt Ion:105 Resp: 96152
Ion Ratio Lower Upper
105 100
120 48.7 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 58.997 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX044991.D
Acq: 18 Feb 2025 16:31

Tgt Ion:105 Resp: 266321
Ion Ratio Lower Upper
105 100
120 41.2 22.4 67.0

