

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021925\
 Data File : VX045001.D
 Acq On : 19 Feb 2025 12:56
 Operator : JC/MD
 Sample : Q1373-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VB27161RE

Quant Time: Feb 20 04:57:17 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)

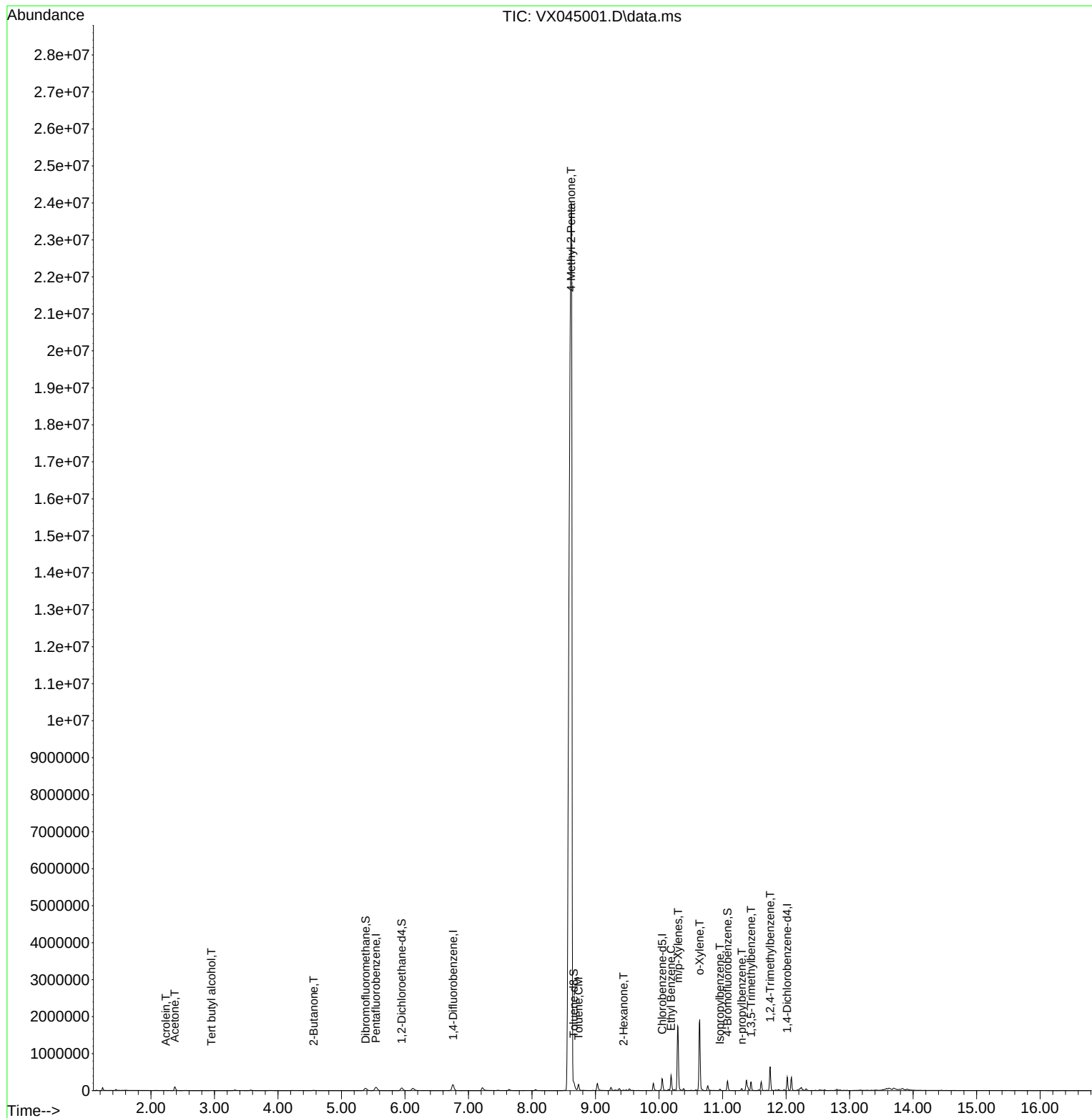
Internal Standards						
1) Pentafluorobenzene	5.544	168	84723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168885	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	137956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	66842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	68527	55.255	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.520%
35) Dibromofluoromethane	5.379	113	55579	50.617	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.240%
50) Toluene-d8	8.659	98	153905	37.067	ug/l	0.01
Spiked Amount	50.000	Range	86 - 113	Recovery	=	74.140%#
62) 4-Bromofluorobenzene	11.079	95	69400	49.580	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.160%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	3129	13.600	ug/l	# 75
13) Acrolein	2.233	56	4179	17.605	ug/l	100
16) Acetone	2.374	43	111655	223.952	ug/l	95
25) 2-Butanone	4.562	43	17126	21.154	ug/l	96
51) 4-Methyl-2-Pentanone	8.616	43	26112898	15095.383	ug/l	92
52) Toluene	8.732	92	54584	18.528	ug/l	100
59) 2-Hexanone	9.439	43	7514	6.029	ug/l	98
67) Ethyl Benzene	10.189	91	235600	45.057	ug/l	99
68) m/p-Xylenes	10.299	106	408089	211.569	ug/l	98
69) o-Xylene	10.640	106	407206	210.393	ug/l	97
73) Isopropylbenzene	10.957	105	20927	3.888	ug/l	98
78) n-propylbenzene	11.305	91	32273	5.195	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	102151	23.389	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	272949	63.319	ug/l	98

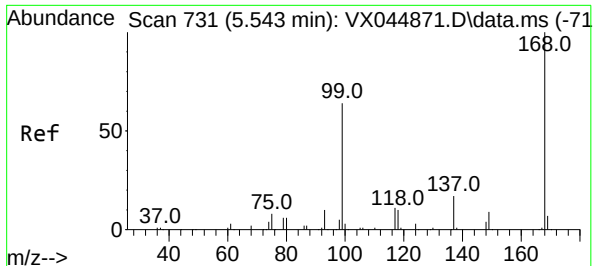
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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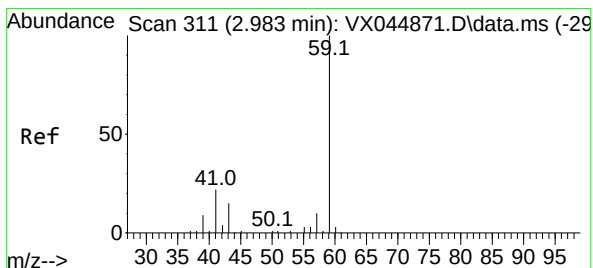
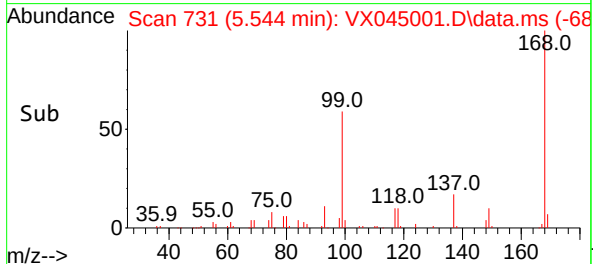
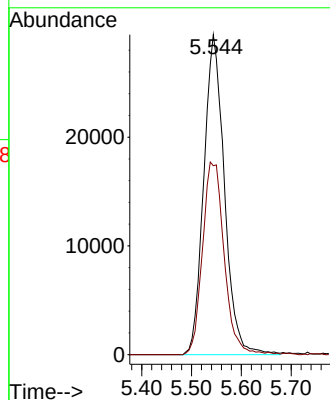
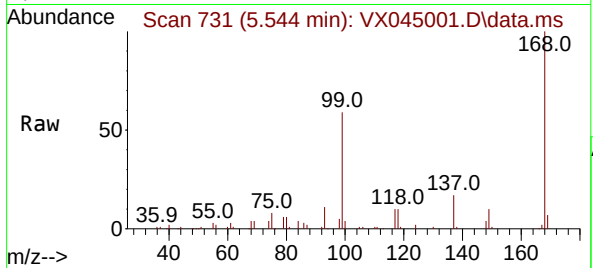




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

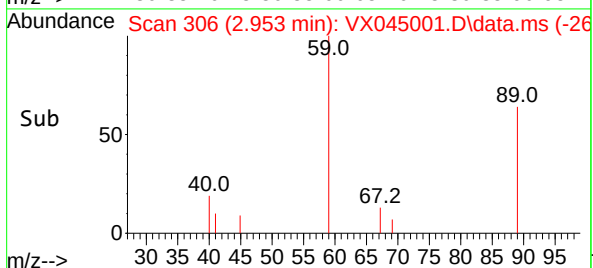
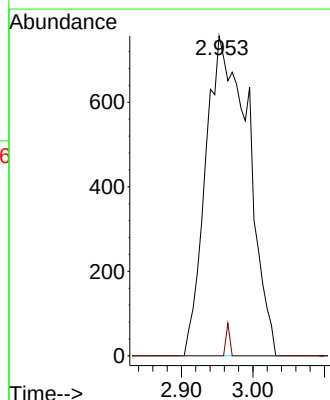
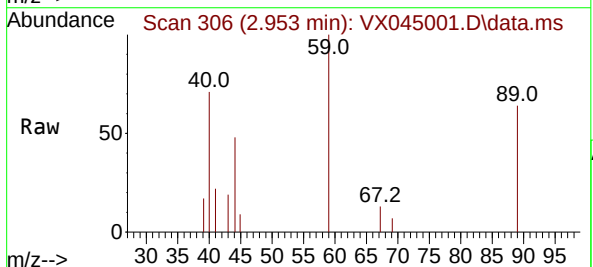
Instrument :
MSVOA_X
ClientSampleId :
VB27161RE

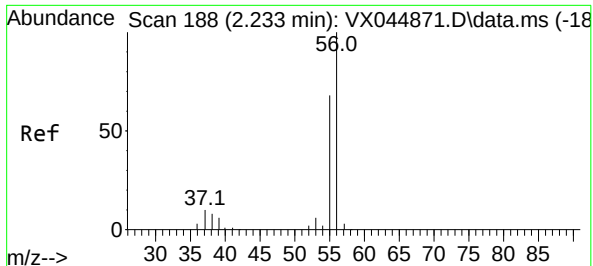
Tgt Ion:168 Resp: 84723
Ion Ratio Lower Upper
168 100
99 59.0 51.2 76.8



#11
Tert butyl alcohol
Concen: 13.600 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion: 59 Resp: 3129
Ion Ratio Lower Upper
59 100
57 0.9 8.1 12.1#

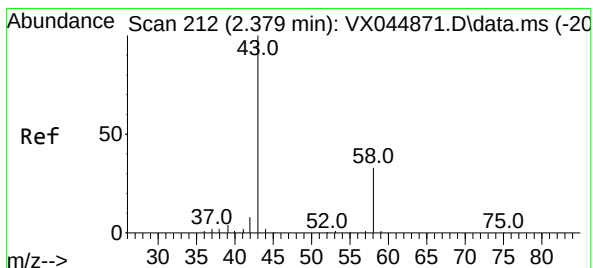
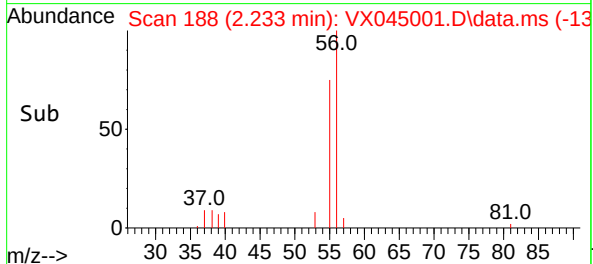
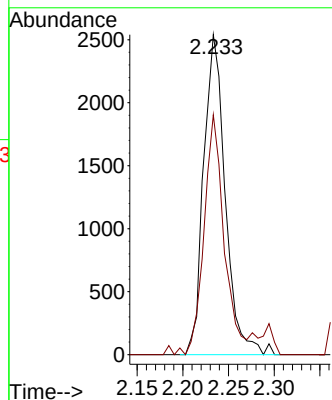
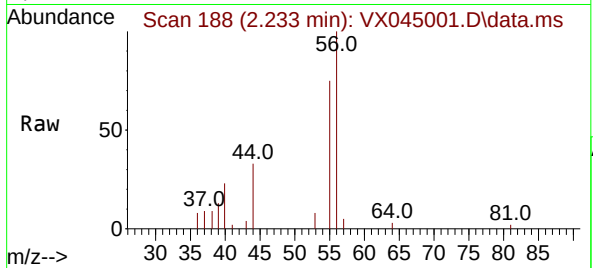




#13
Acrolein
Concen: 17.605 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

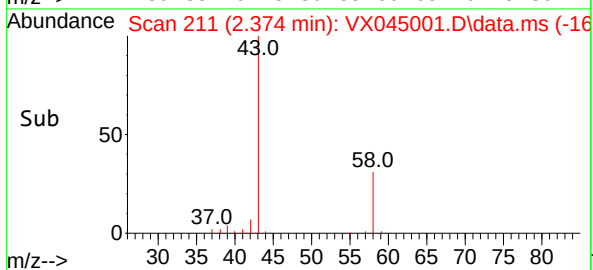
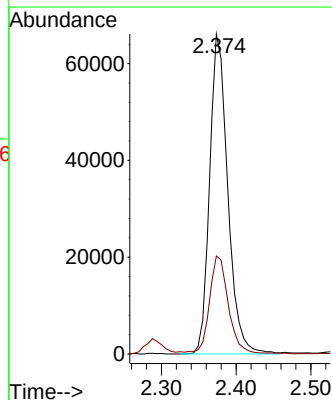
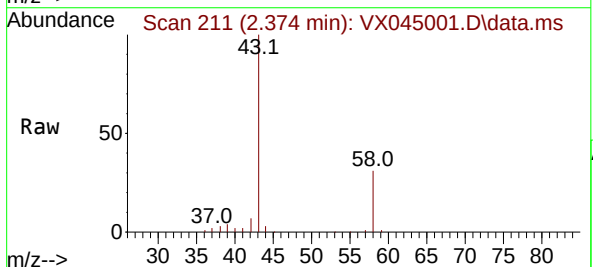
Instrument :
MSVOA_X
ClientSampleId :
VB27161RE

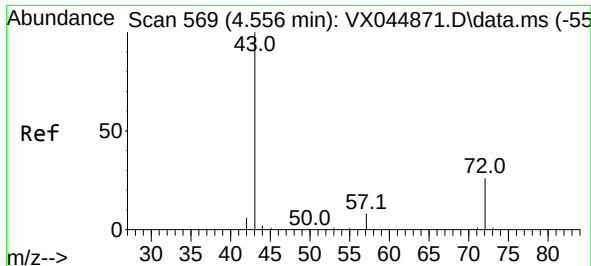
Tgt Ion: 56 Resp: 4179
Ion Ratio Lower Upper
56 100
55 69.6 55.7 83.5



#16
Acetone
Concen: 223.952 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion: 43 Resp: 111655
Ion Ratio Lower Upper
43 100
58 30.4 26.5 39.7

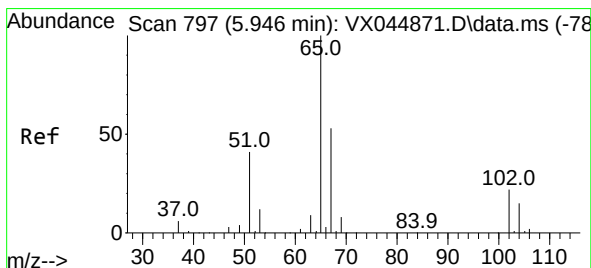
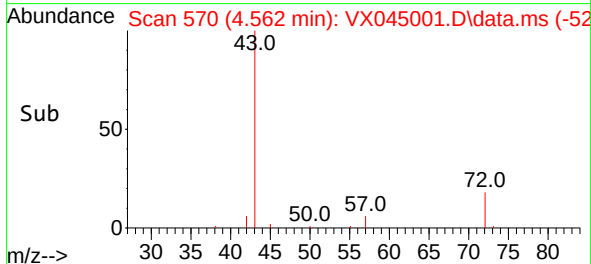
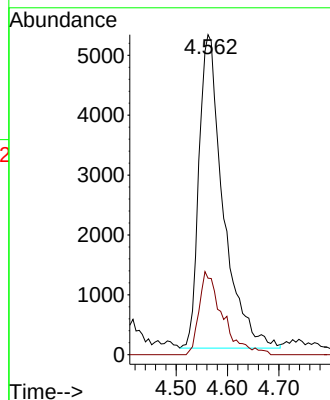
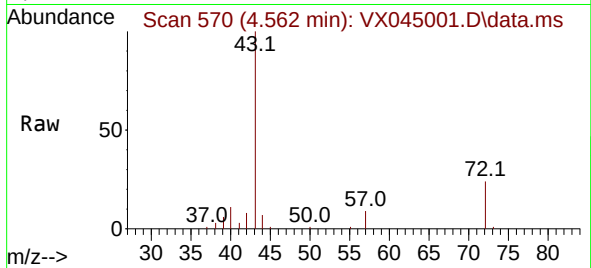




#25
2-Butanone
Concen: 21.154 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

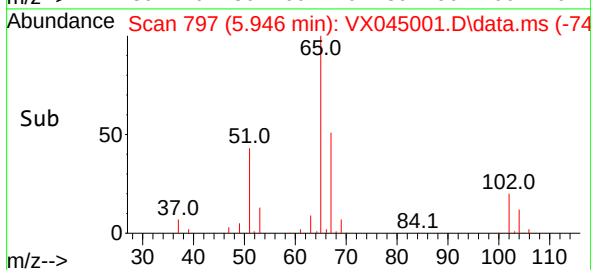
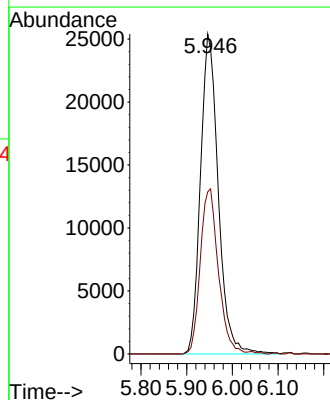
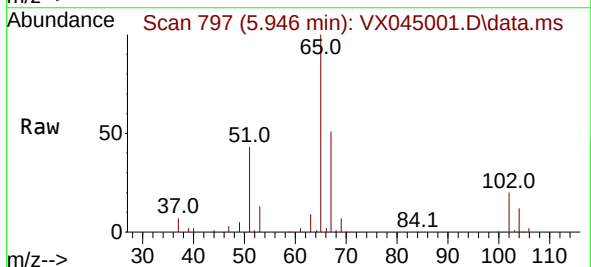
Instrument :
MSVOA_X
ClientSampleId :
VB27161RE

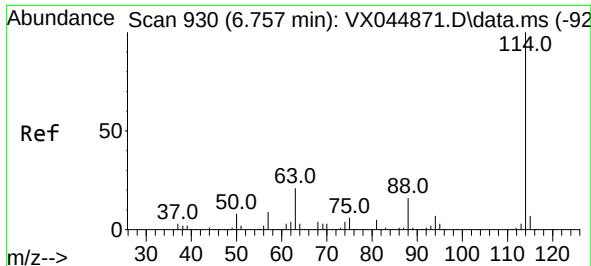
Tgt Ion: 43 Resp: 17126
Ion Ratio Lower Upper
43 100
72 24.4 21.2 31.8



#33
1,2-Dichloroethane-d4
Concen: 55.255 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion: 65 Resp: 68527
Ion Ratio Lower Upper
65 100
67 52.3 0.0 108.2

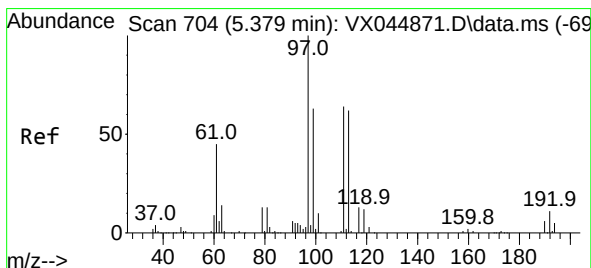
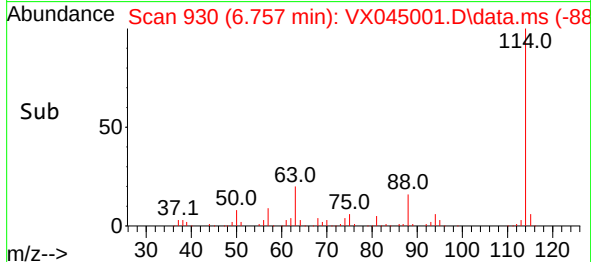
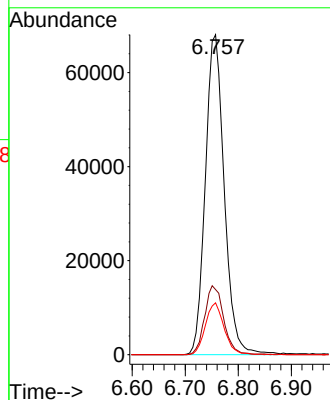
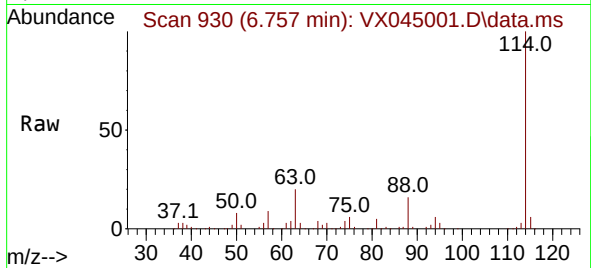




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045001.D
 Acq: 19 Feb 2025 12:56

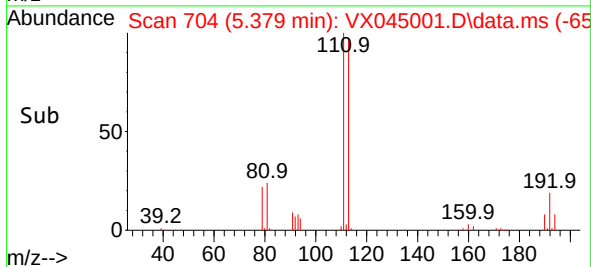
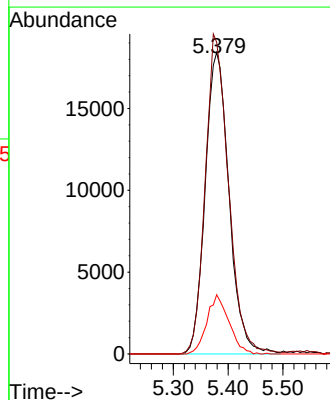
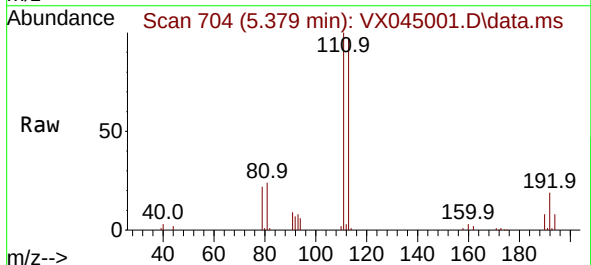
Instrument :
 MSVOA_X
 ClientSampleId :
 VB27161RE

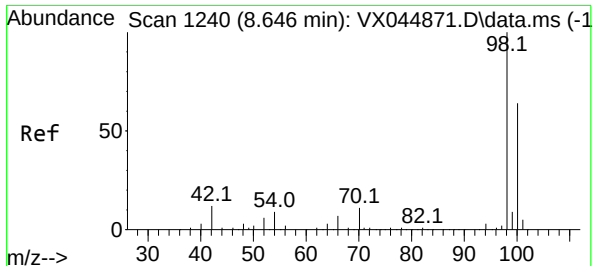
Tgt Ion:114 Resp: 168885
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 42.4
 88 16.2 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 50.617 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX045001.D
 Acq: 19 Feb 2025 12:56

Tgt Ion:113 Resp: 55579
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.5 125.3
 192 18.1 14.4 21.6





#50

Toluene-d8

Concen: 37.067 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. 0.013 min

Lab File: VX045001.D

Acq: 19 Feb 2025 12:56

Instrument :

MSVOA_X

ClientSampleId :

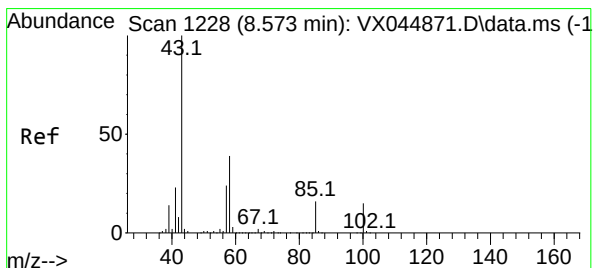
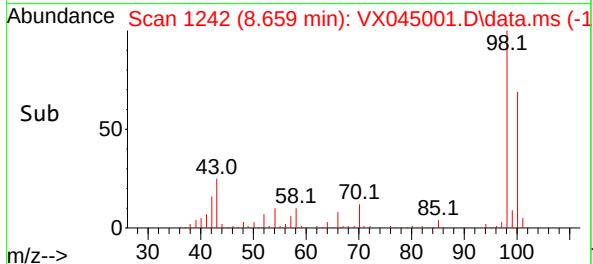
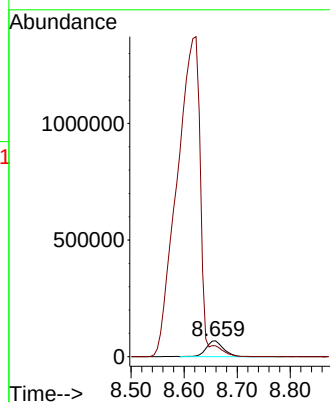
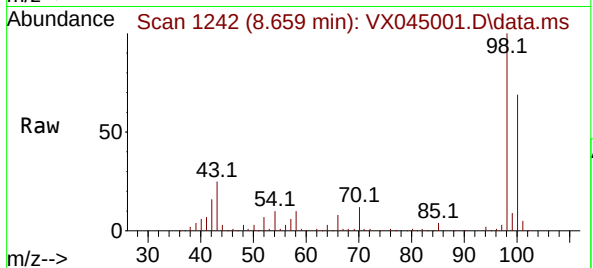
VB27161RE

Tgt Ion: 98 Resp: 153905

Ion Ratio Lower Upper

98 100

100 0.0 52.7 79.1#



#51

4-Methyl-2-Pentanone

Concen: 15095.383 ug/l

RT: 8.616 min Scan# 1235

Delta R.T. 0.043 min

Lab File: VX045001.D

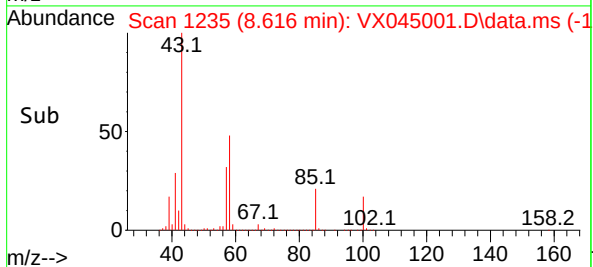
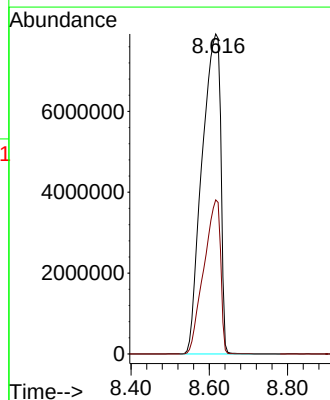
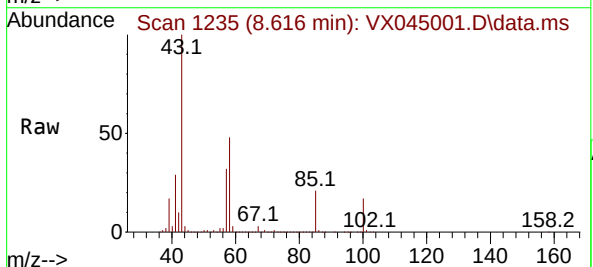
Acq: 19 Feb 2025 12:56

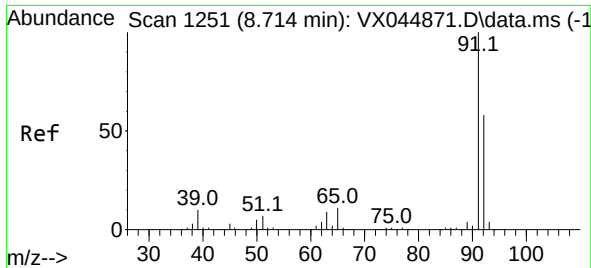
Tgt Ion: 43 Resp: 26112898

Ion Ratio Lower Upper

43 100

58 43.2 30.8 46.2

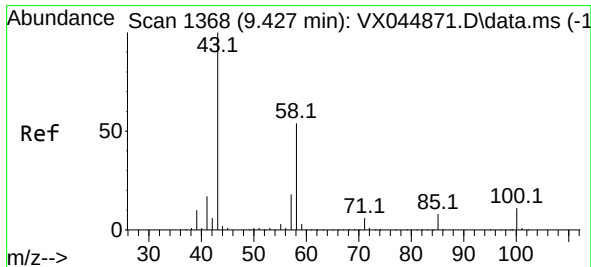
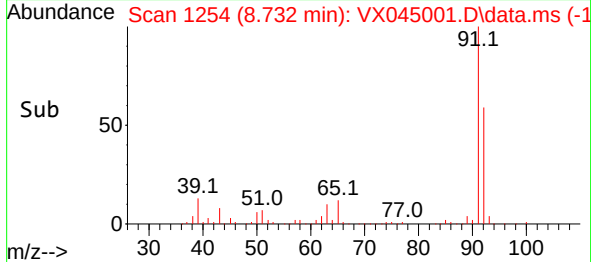
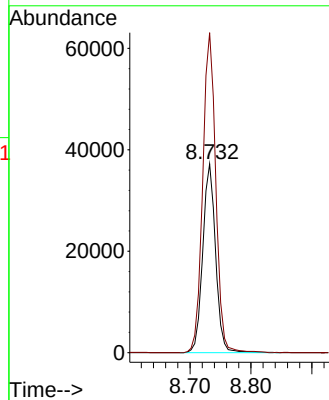
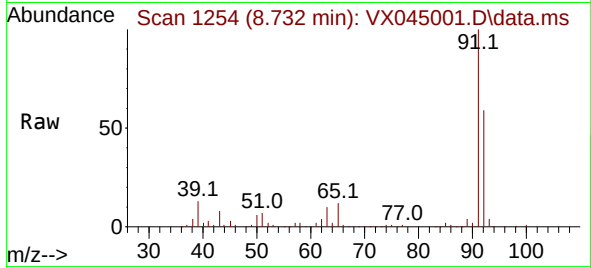




#52
Toluene
Concen: 18.528 ug/l
RT: 8.732 min Scan# 11
Delta R.T. 0.019 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

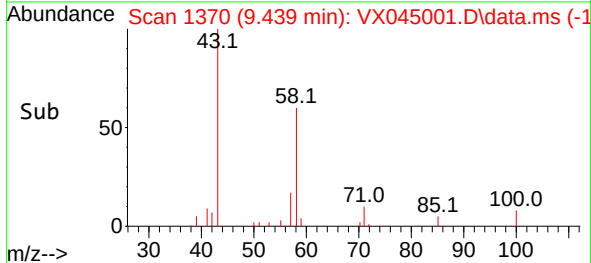
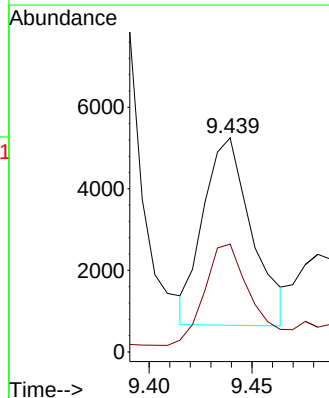
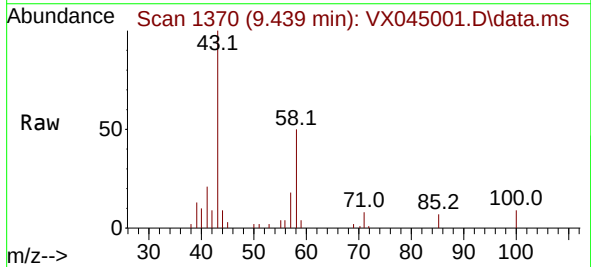
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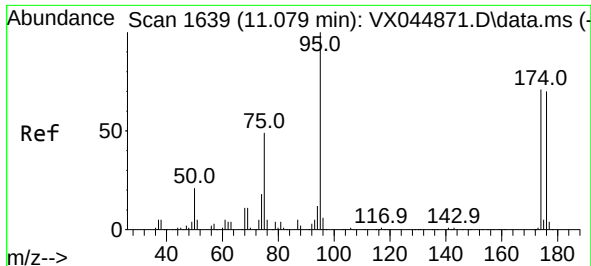
Tgt Ion: 92 Resp: 54584
Ion Ratio Lower Upper
92 100
91 172.5 137.4 206.2



#59
2-Hexanone
Concen: 6.029 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.013 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion: 43 Resp: 7514
Ion Ratio Lower Upper
43 100
58 53.6 27.5 82.4

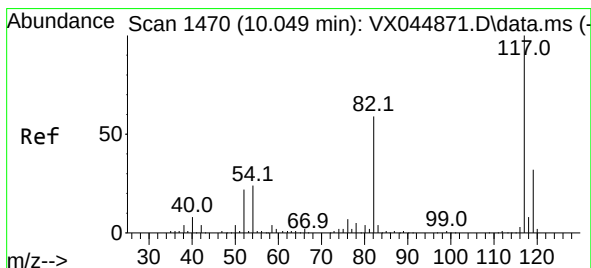
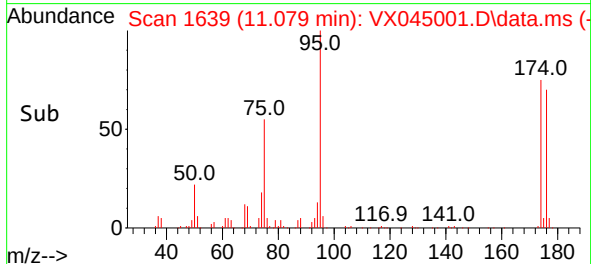
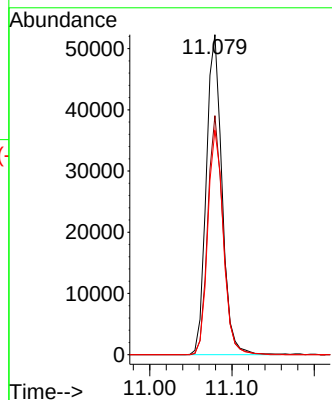
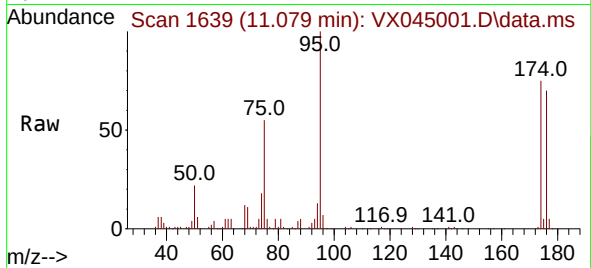




#62
4-Bromofluorobenzene
Concen: 49.580 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

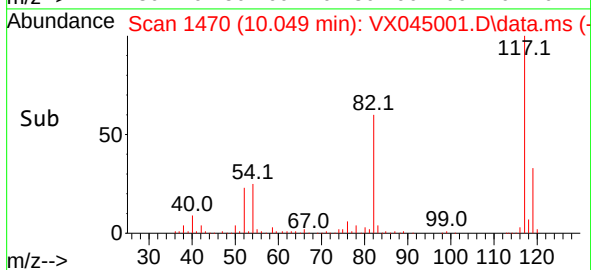
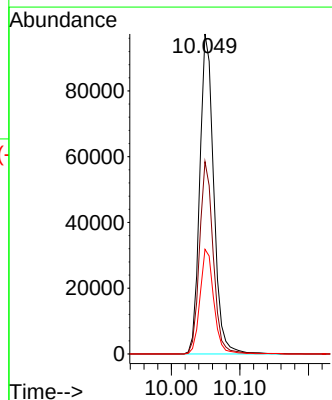
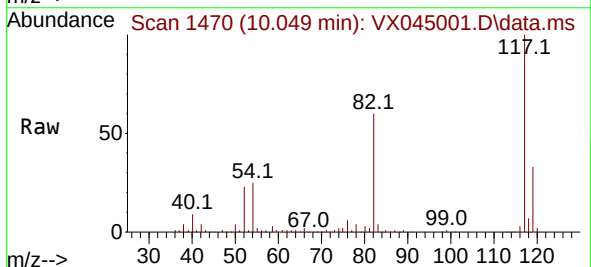
Instrument :
MSVOA_X
ClientSampleId :
VB27161RE

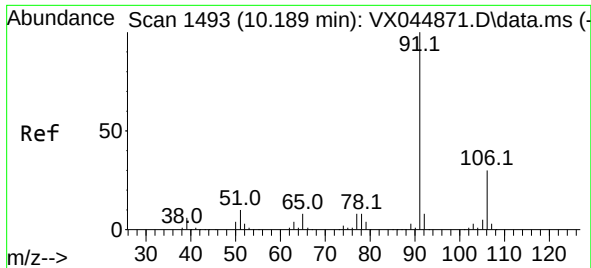
Tgt Ion: 95 Resp: 69400
Ion Ratio Lower Upper
95 100
174 72.7 0.0 142.6
176 69.4 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion: 117 Resp: 137956
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 32.7 25.4 38.0

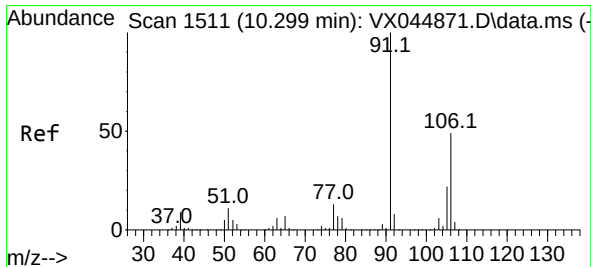
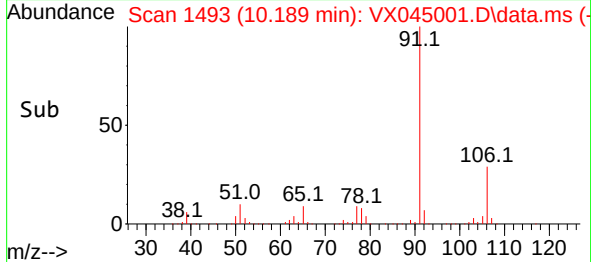
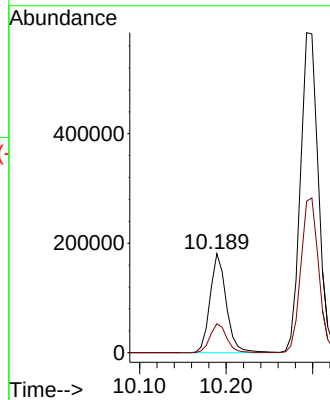
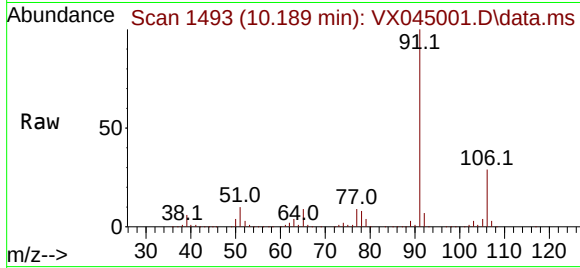




#67
Ethyl Benzene
Concen: 45.057 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

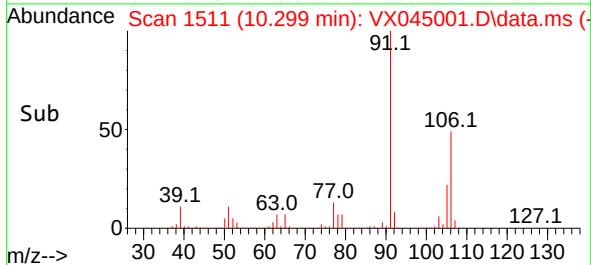
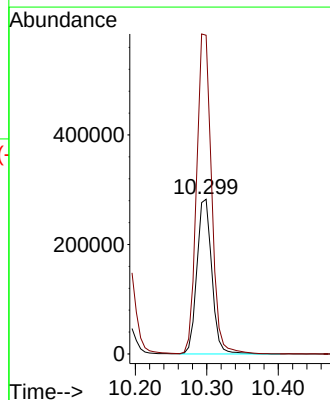
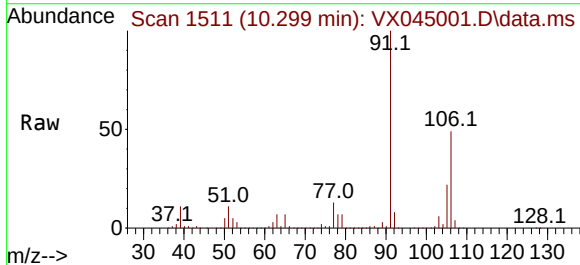
Instrument :
MSVOA_X
ClientSampleId :
VB27161RE

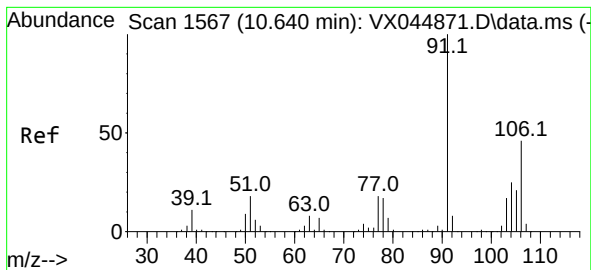
Tgt Ion: 91 Resp: 235600
Ion Ratio Lower Upper
91 100
106 29.3 23.9 35.9



#68
m/p-Xylenes
Concen: 211.569 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion: 106 Resp: 408089
Ion Ratio Lower Upper
106 100
91 207.8 164.3 246.5

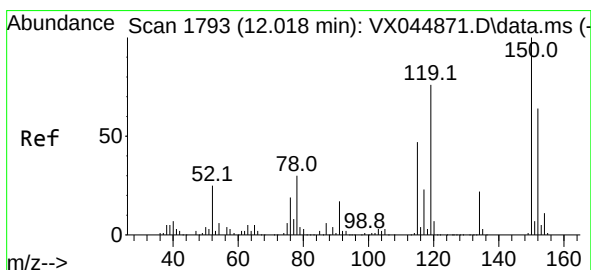
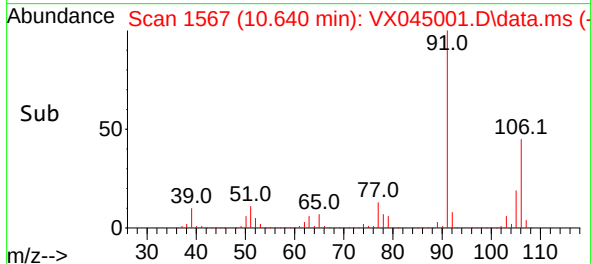
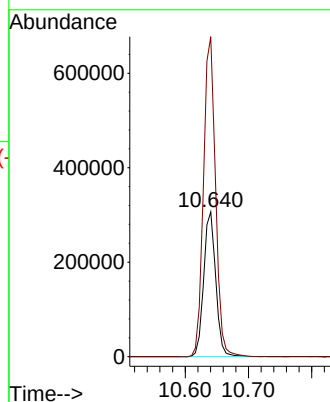
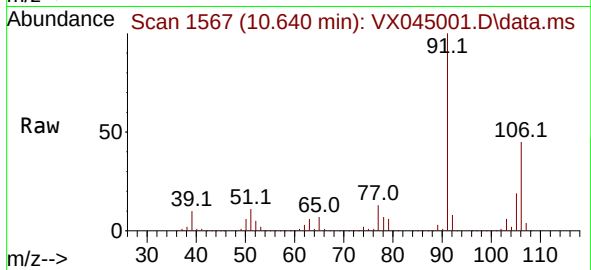




#69
o-Xylene
Concen: 210.393 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

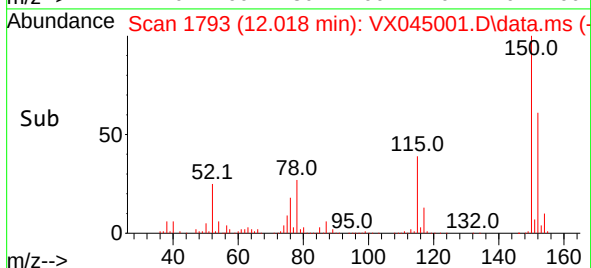
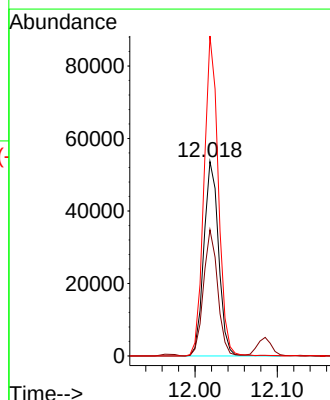
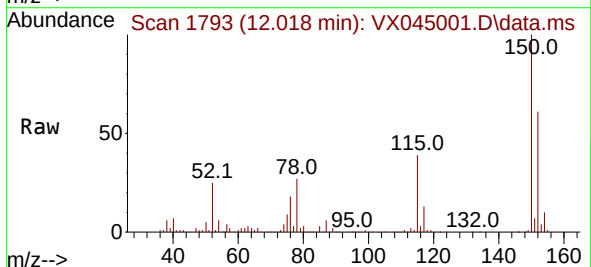
Instrument :
MSVOA_X
ClientSampleId :
VB27161RE

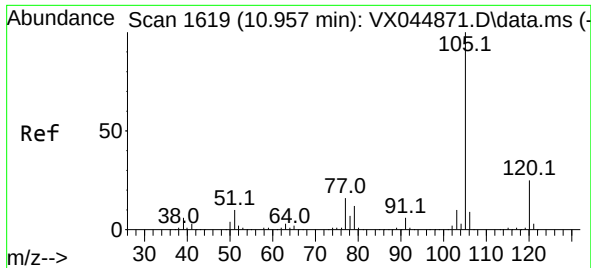
Tgt Ion:106 Resp: 407206
Ion Ratio Lower Upper
106 100
91 221.2 108.5 325.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion:152 Resp: 66842
Ion Ratio Lower Upper
152 100
115 62.4 43.4 130.1
150 159.1 0.0 350.4

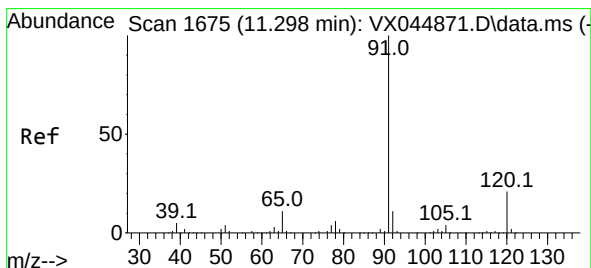
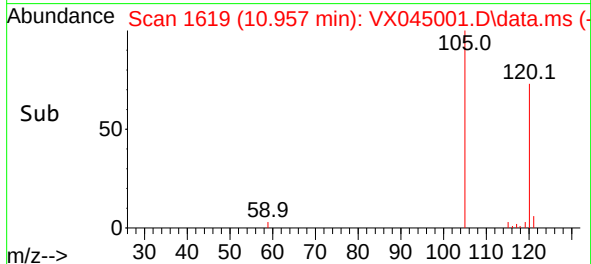
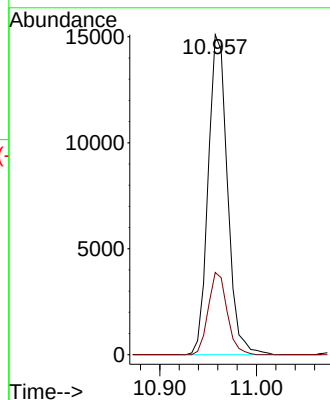
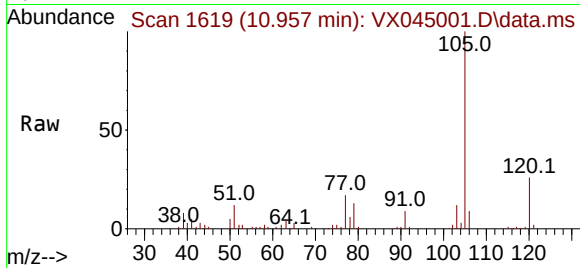




#73
Isopropylbenzene
Concen: 3.888 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

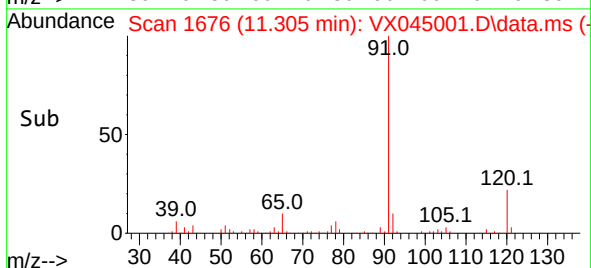
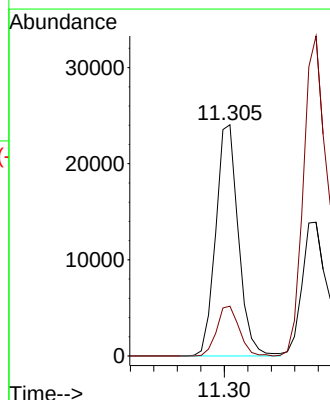
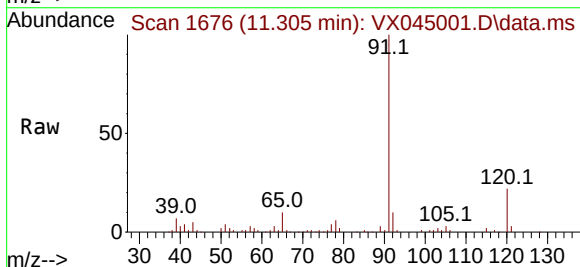
Instrument :
MSVOA_X
ClientSampleId :
VB27161RE

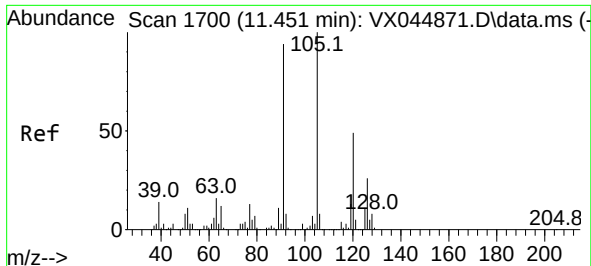
Tgt Ion:105 Resp: 20927
Ion Ratio Lower Upper
105 100
120 25.1 13.2 39.5



#78
n-propylbenzene
Concen: 5.195 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX045001.D
Acq: 19 Feb 2025 12:56

Tgt Ion: 91 Resp: 32273
Ion Ratio Lower Upper
91 100
120 21.3 11.1 33.3

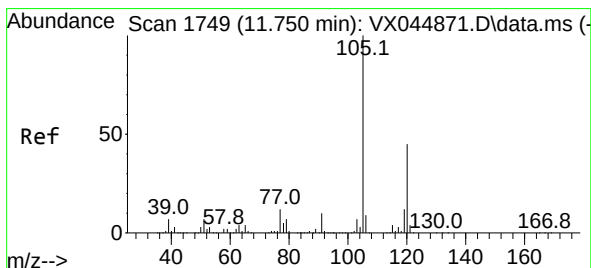
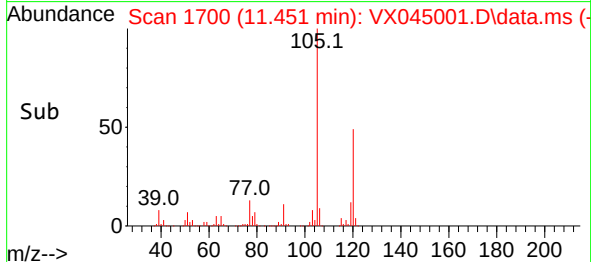
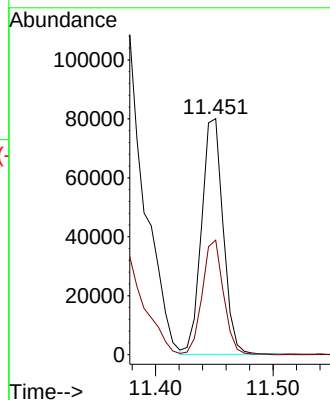
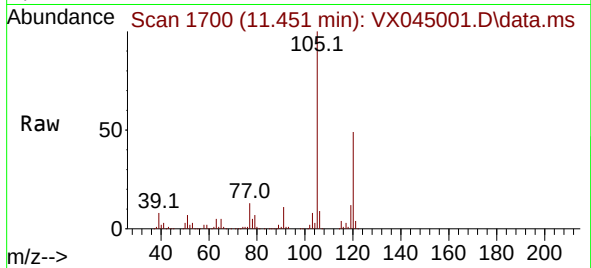




#80
 1,3,5-Trimethylbenzene
 Concen: 23.389 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX045001.D
 Acq: 19 Feb 2025 12:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VB27161RE

Tgt Ion:105 Resp: 102151
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.0 72.0



#84
 1,2,4-Trimethylbenzene
 Concen: 63.319 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX045001.D
 Acq: 19 Feb 2025 12:56

Tgt Ion:105 Resp: 272949
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.4 67.0

