

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012723\
 Data File : VX033928.D
 Acq On : 27 Jan 2023 11:32
 Operator : JC/MD
 Sample : 01321-01DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33902DL

Quant Time: Jan 28 03:02:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

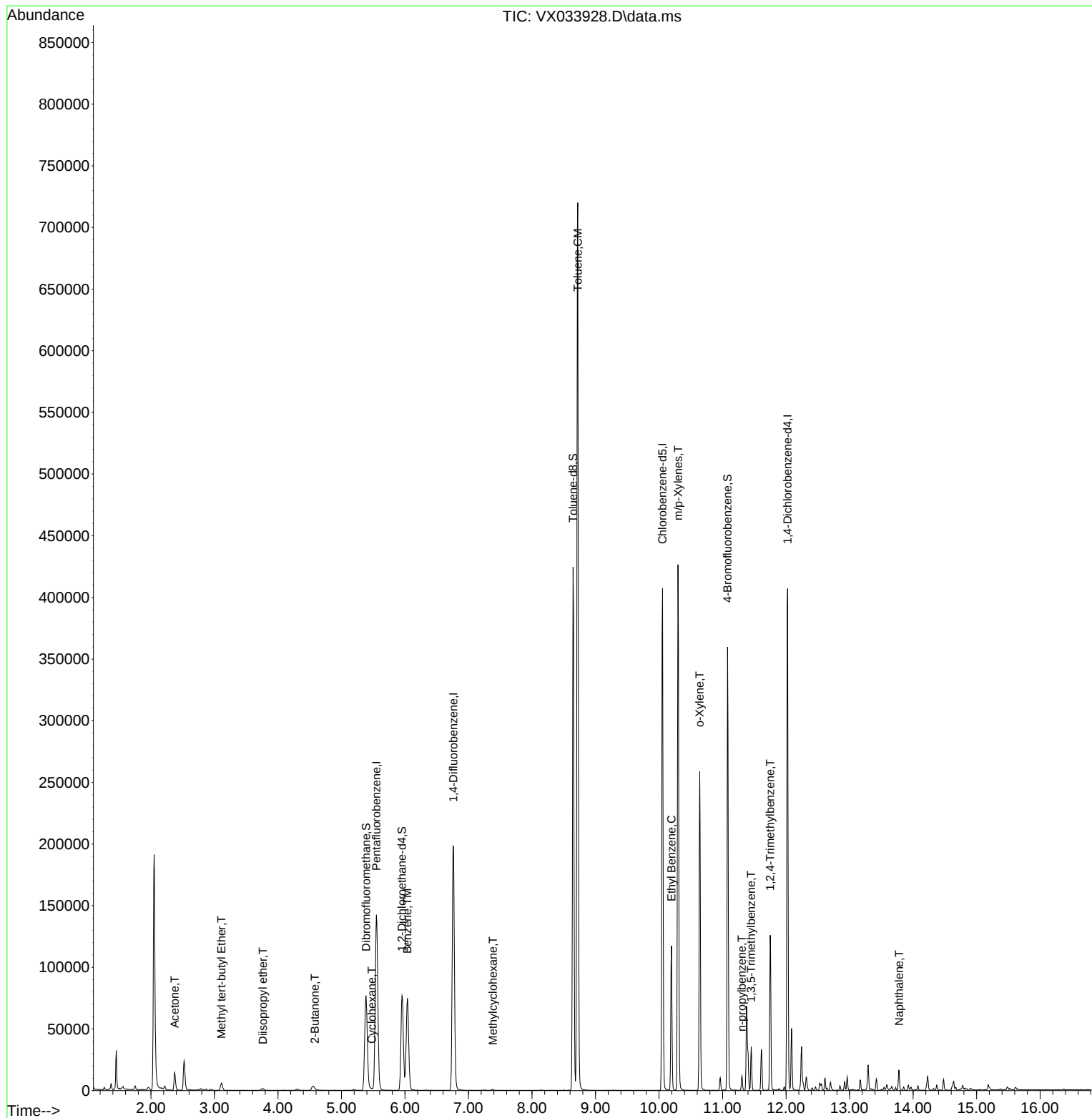
Internal Standards						
1) Pentafluorobenzene	5.549	168	157756	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224418	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74352	44.763	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.520%
35) Dibromofluoromethane	5.385	113	68143	48.900	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.800%
50) Toluene-d8	8.646	98	256769	50.572	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.140%
62) 4-Bromofluorobenzene	11.079	95	88894	47.156	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.320%
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	15334	13.692	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	6109	1.370	ug/l #	86
22) Diisopropyl ether	3.763	45	1797	0.369	ug/l #	60
25) 2-Butanone	4.580	43	986	0.909	ug/l	100
31) Cyclohexane	5.476	56	968	0.396	ug/l #	78
39) Methylcyclohexane	7.384	83	564	0.225	ug/l #	82
40) Benzene	6.037	78	93415	15.758	ug/l	100
52) Toluene	8.720	92	286369	74.806	ug/l	99
67) Ethyl Benzene	10.195	91	68614	9.648	ug/l	99
68) m/p-Xylenes	10.299	106	106710	38.364	ug/l	99
69) o-Xylene	10.640	106	60601	21.969	ug/l	97
78) n-propylbenzene	11.304	91	7848	0.987	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	14984	2.556	ug/l	100
84) 1,2,4-Trimethylbenzene	11.749	105	58336	10.519	ug/l	99
95) Naphthalene	13.780	128	11392	1.851	ug/l	99

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

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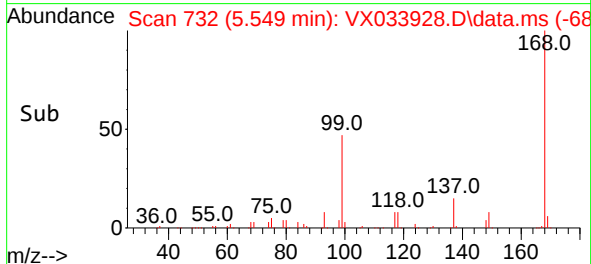
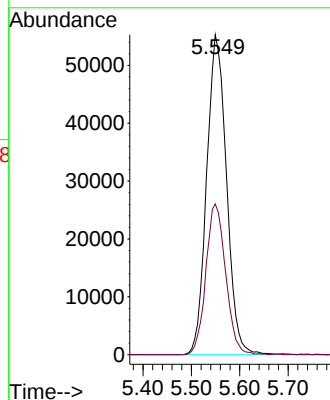
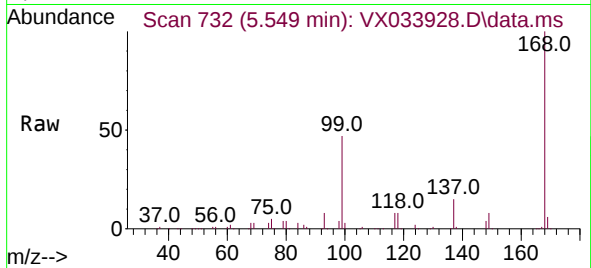




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

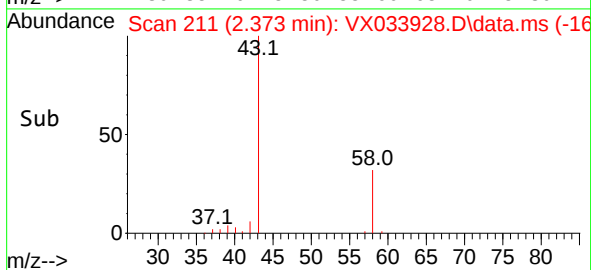
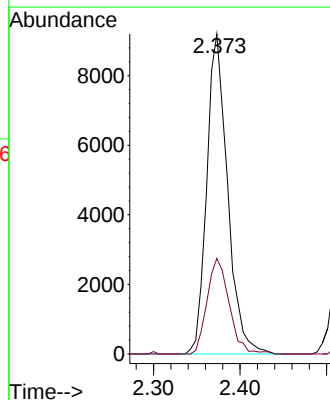
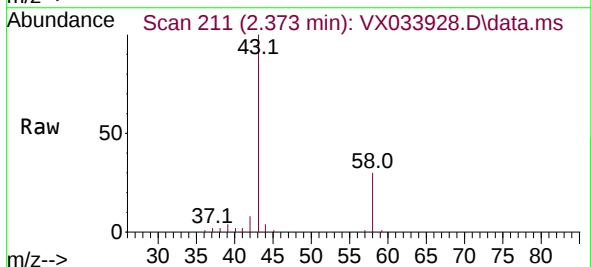
Instrument :
MSVOA_X
ClientSampleId :
33902DL

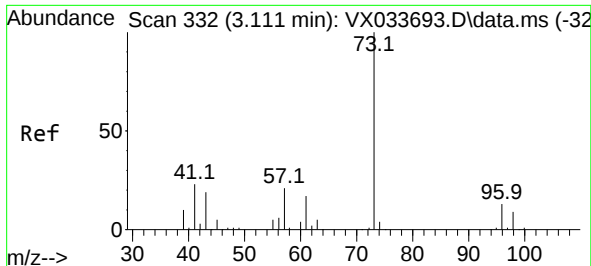
Tgt Ion:168 Resp: 157756
Ion Ratio Lower Upper
168 100
99 47.1 39.6 59.4



#16
Acetone
Concen: 13.692 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.025 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

Tgt Ion: 43 Resp: 15334
Ion Ratio Lower Upper
43 100
58 29.9 22.6 33.8

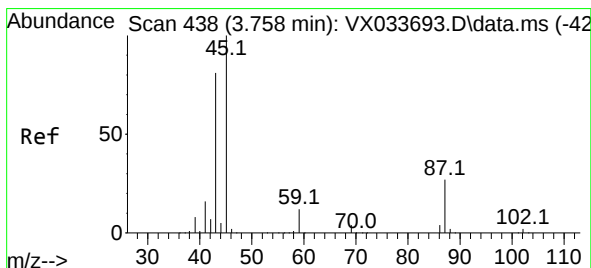
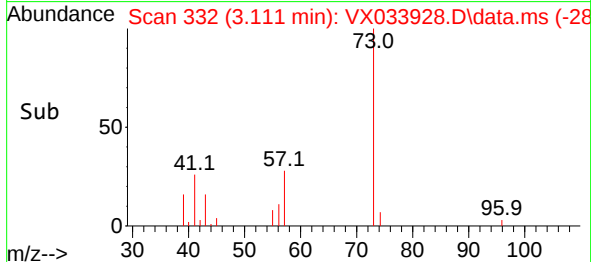
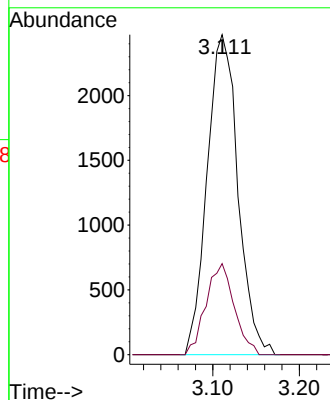
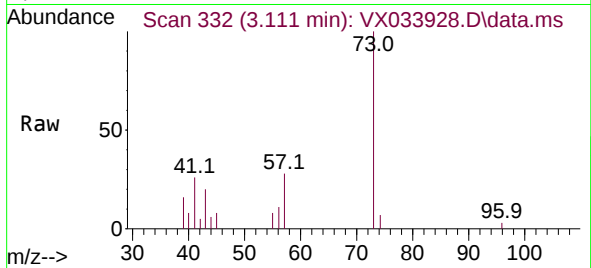




#19
Methyl tert-butyl Ether
Concen: 1.370 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

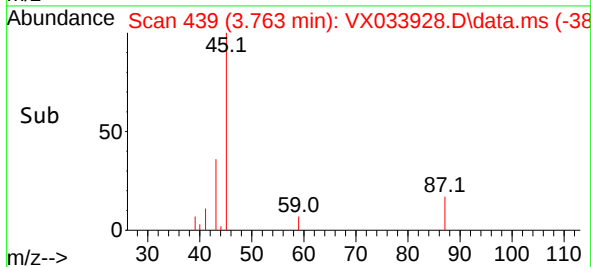
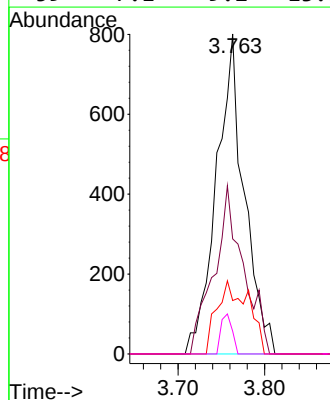
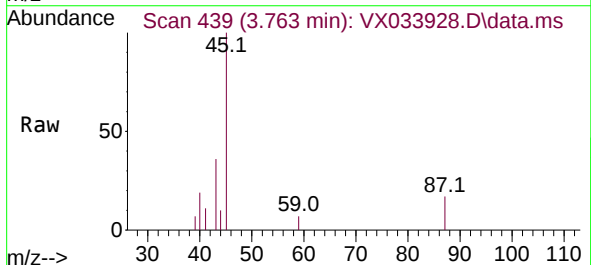
Instrument :
MSVOA_X
ClientSampleId :
33902DL

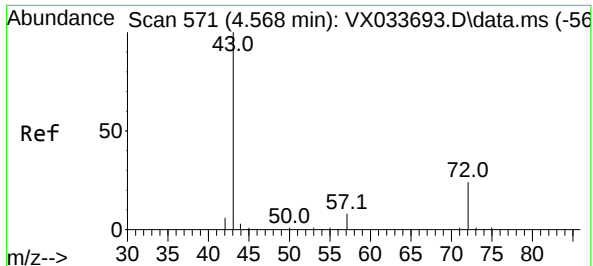
Tgt Ion: 73 Resp: 6109
Ion Ratio Lower Upper
73 100
57 28.5 17.4 26.0#



#22
Diisopropyl ether
Concen: 0.369 ug/l
RT: 3.763 min Scan# 439
Delta R.T. 0.006 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

Tgt Ion: 45 Resp: 1797
Ion Ratio Lower Upper
45 100
43 36.0 64.6 97.0#
87 16.7 21.9 32.9#
59 7.1 9.2 13.8#





#25

2-Butanone

Concen: 0.909 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX033928.D

Acq: 27 Jan 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

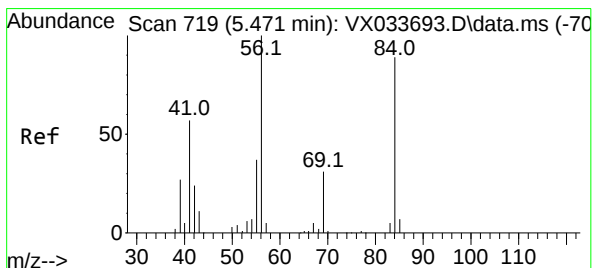
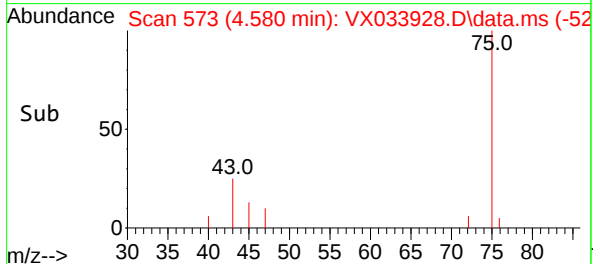
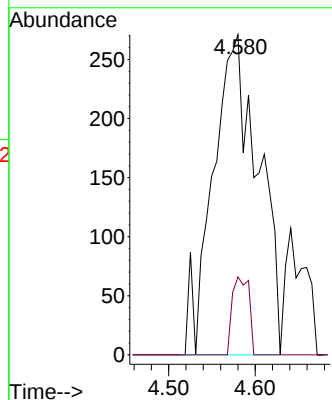
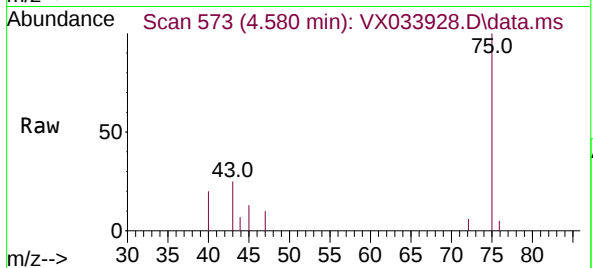
33902DL

Tgt Ion: 43 Resp: 986

Ion Ratio Lower Upper

43 100

72 24.4 19.4 29.2



#31

Cyclohexane

Concen: 0.396 ug/l

RT: 5.476 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX033928.D

Acq: 27 Jan 2023 11:32

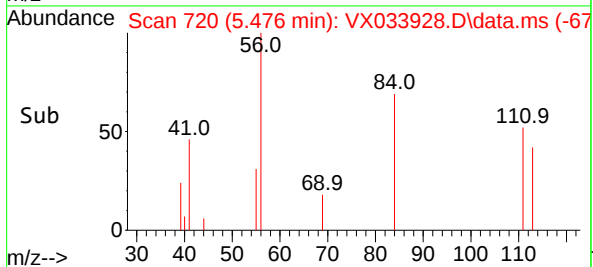
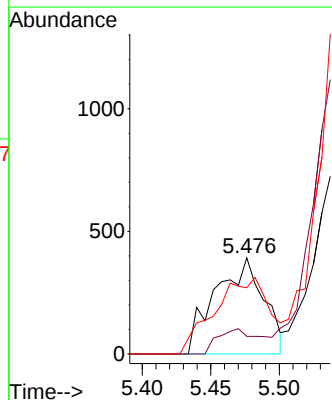
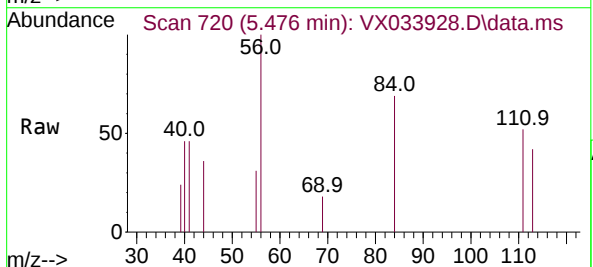
Tgt Ion: 56 Resp: 968

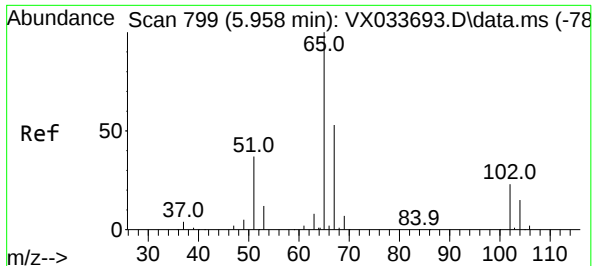
Ion Ratio Lower Upper

56 100

69 18.4 24.6 37.0#

84 68.9 71.0 106.6#

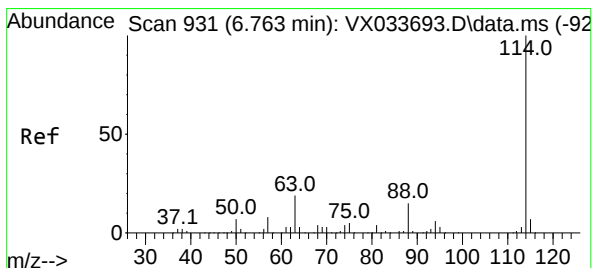
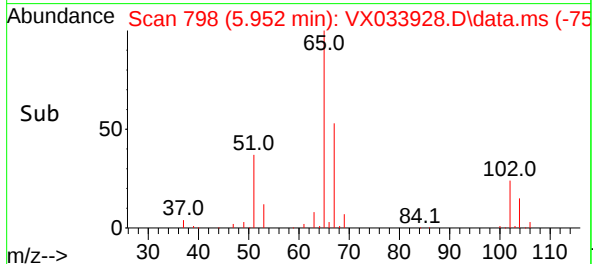
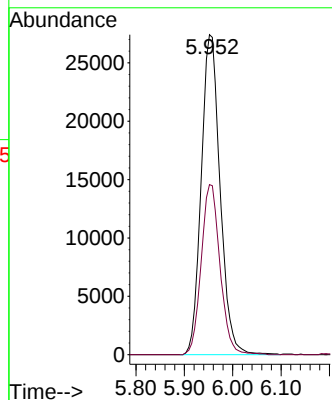
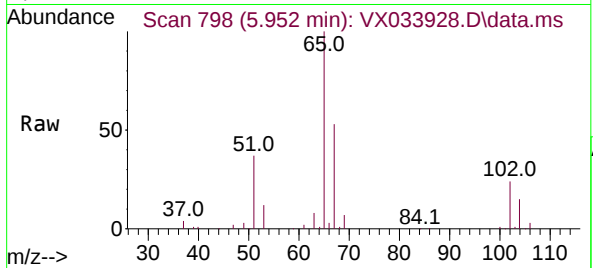




#33
 1,2-Dichloroethane-d4
 Concen: 44.763 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.007 min
 Lab File: VX033928.D
 Acq: 27 Jan 2023 11:32

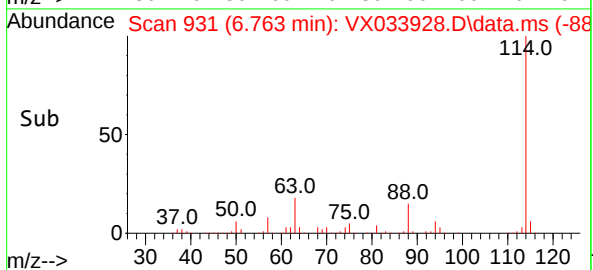
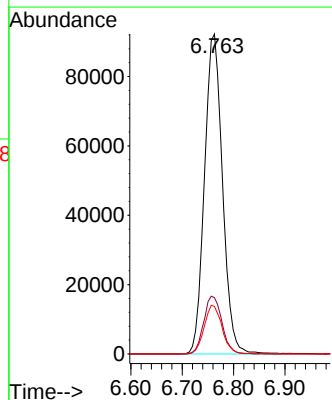
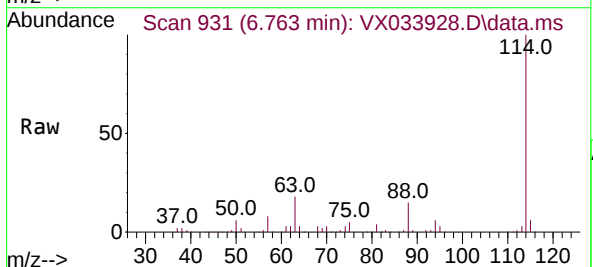
Instrument :
 MSVOA_X
 ClientSampleId :
 33902DL

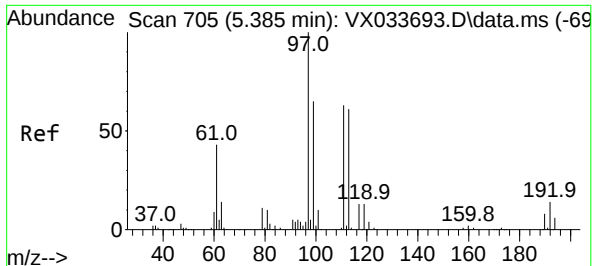
Tgt Ion: 65 Resp: 74352
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX033928.D
 Acq: 27 Jan 2023 11:32

Tgt Ion: 114 Resp: 224418
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 37.4
 88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.900 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033928.D

Acq: 27 Jan 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

33902DL

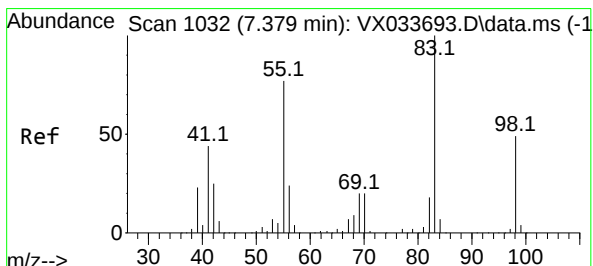
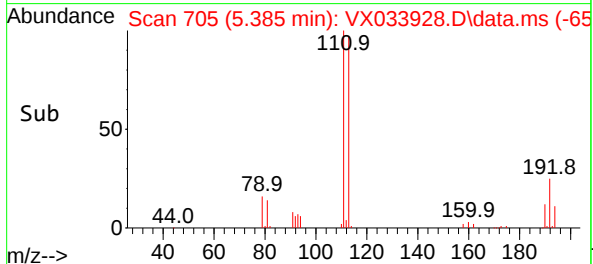
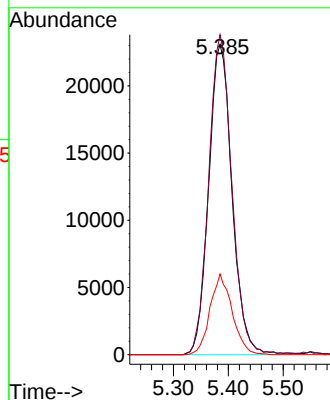
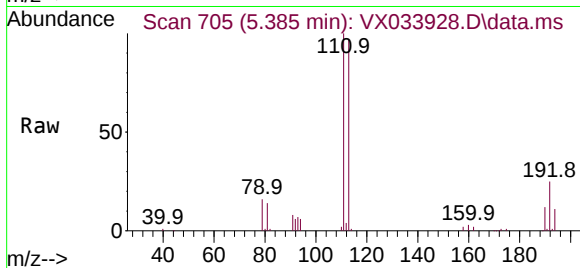
Tgt Ion:113 Resp: 68143

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

192 24.7 19.0 28.4



#39

Methylcyclohexane

Concen: 0.225 ug/l

RT: 7.384 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX033928.D

Acq: 27 Jan 2023 11:32

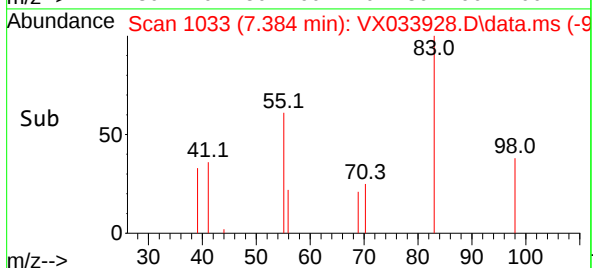
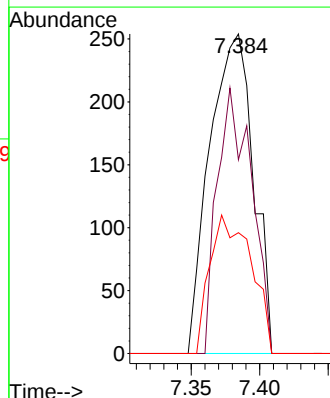
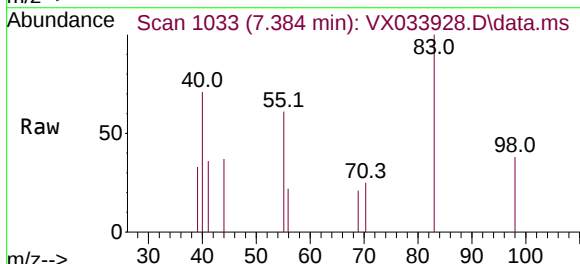
Tgt Ion: 83 Resp: 564

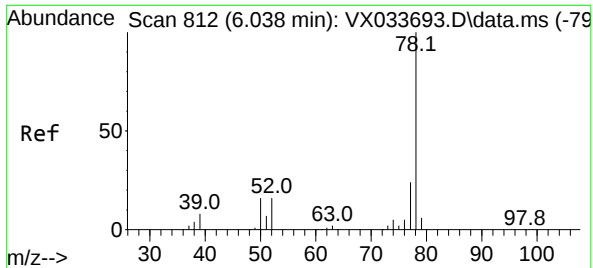
Ion Ratio Lower Upper

83 100

55 60.6 61.8 92.6#

98 37.8 39.3 58.9#

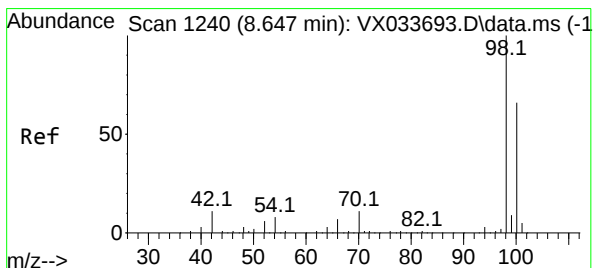
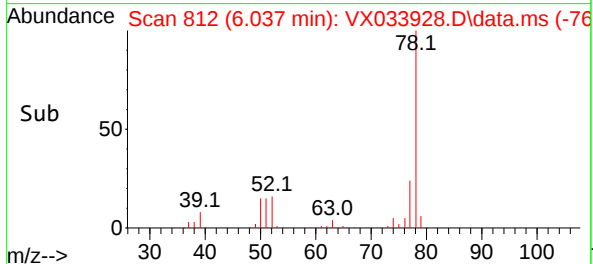
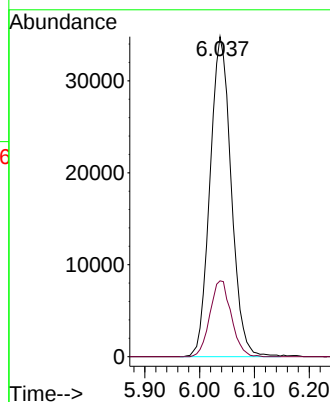
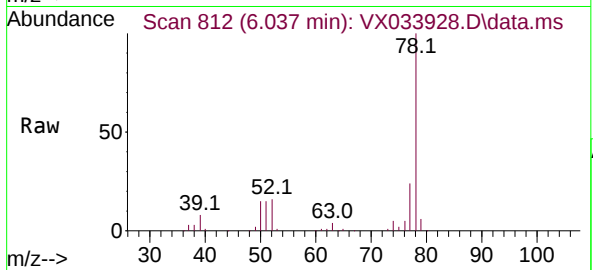




#40
Benzene
Concen: 15.758 ug/l
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

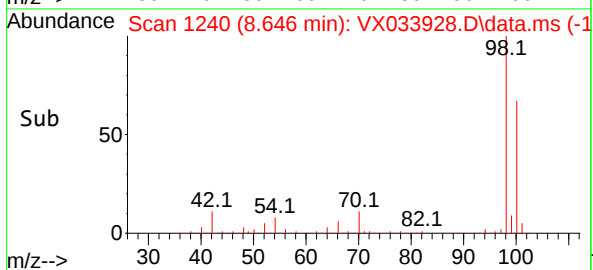
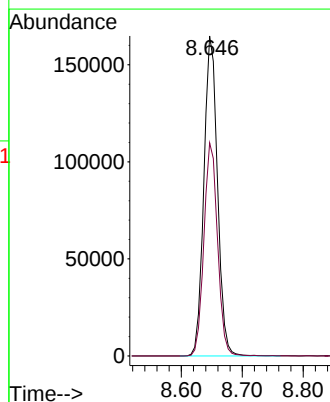
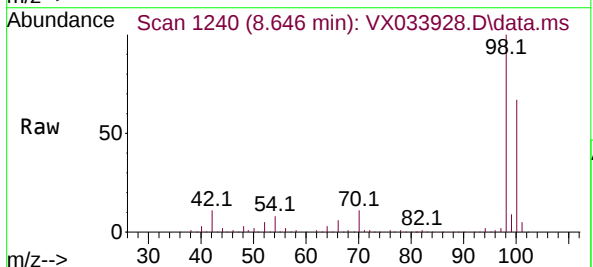
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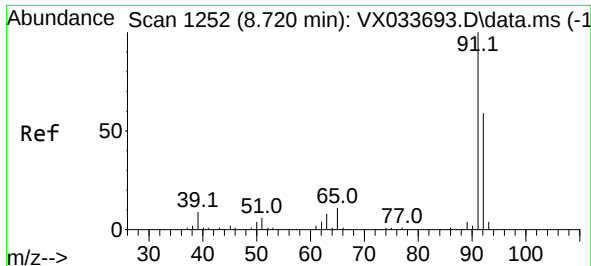
Tgt Ion: 78 Resp: 93415
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4



#50
Toluene-d8
Concen: 50.572 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.001 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

Tgt Ion: 98 Resp: 256769
Ion Ratio Lower Upper
98 100
100 66.9 53.6 80.4

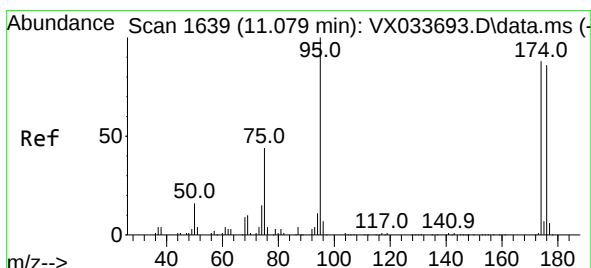
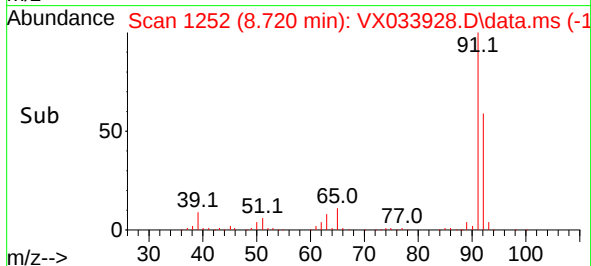
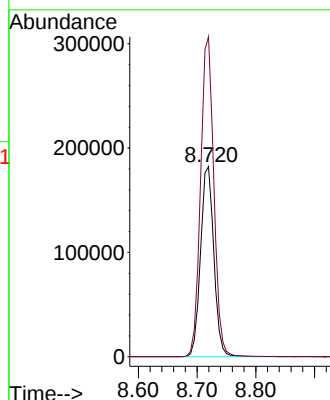
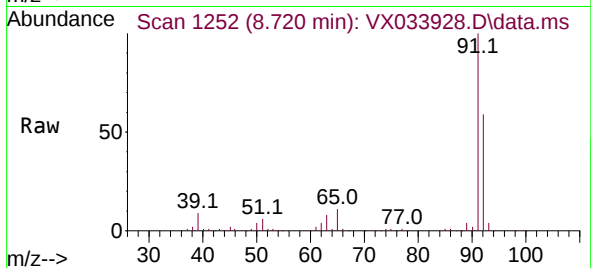




#52
Toluene
Concen: 74.806 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

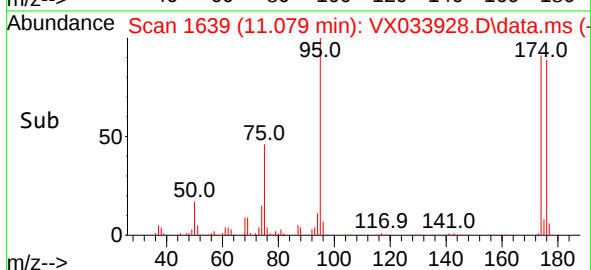
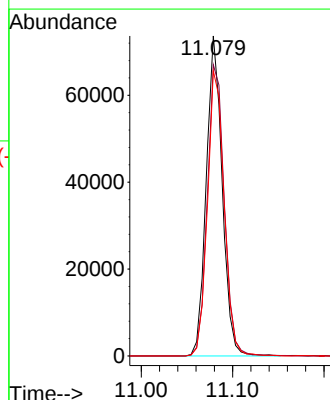
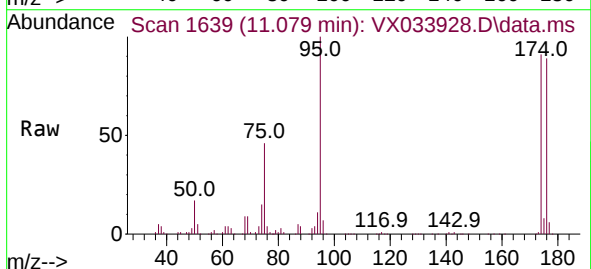
Instrument :
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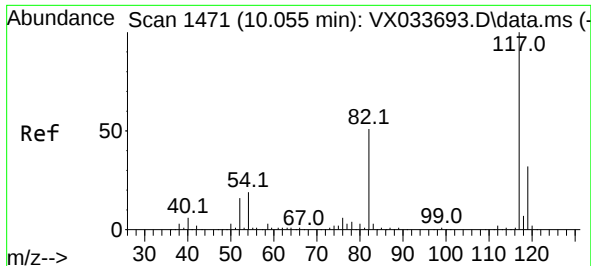
Tgt Ion: 92 Resp: 286369
Ion Ratio Lower Upper
92 100
91 168.1 135.5 203.3



#62
4-Bromofluorobenzene
Concen: 47.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

Tgt Ion: 95 Resp: 88894
Ion Ratio Lower Upper
95 100
174 97.0 0.0 184.4
176 93.3 0.0 178.8

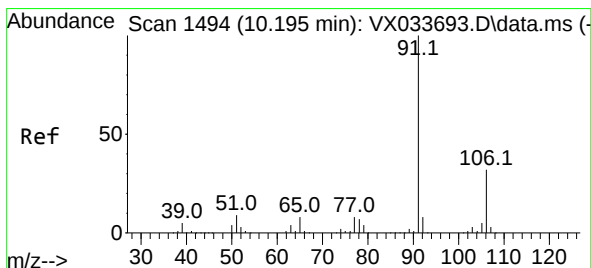
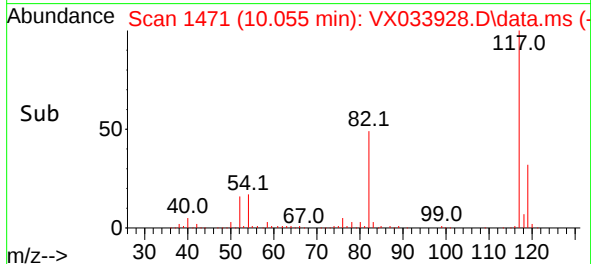
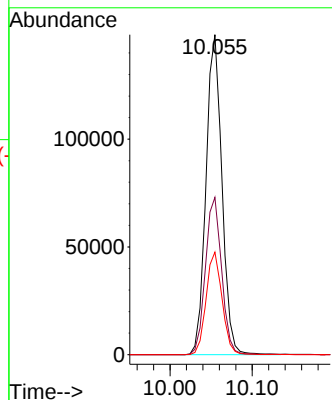
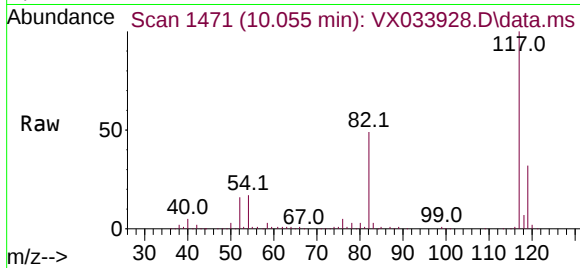




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

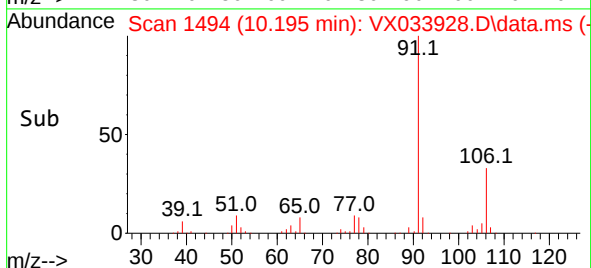
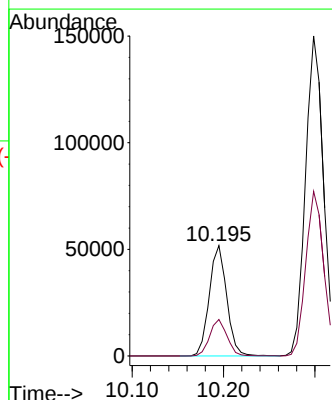
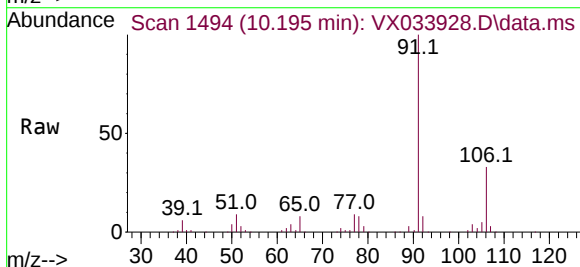
Instrument :
MSVOA_X
ClientSampleId :
33902DL

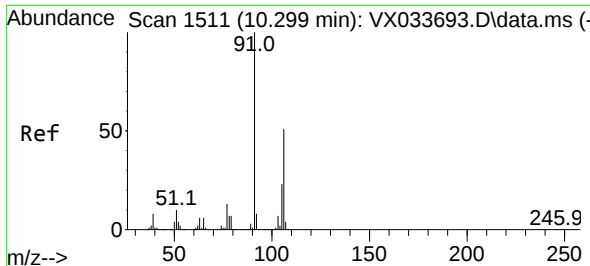
Tgt Ion:117 Resp: 200073
Ion Ratio Lower Upper
117 100
82 49.1 40.6 60.8
119 32.0 25.6 38.4



#67
Ethyl Benzene
Concen: 9.648 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.001 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

Tgt Ion: 91 Resp: 68614
Ion Ratio Lower Upper
91 100
106 33.1 25.8 38.8

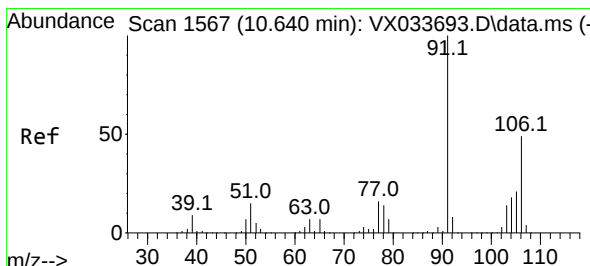
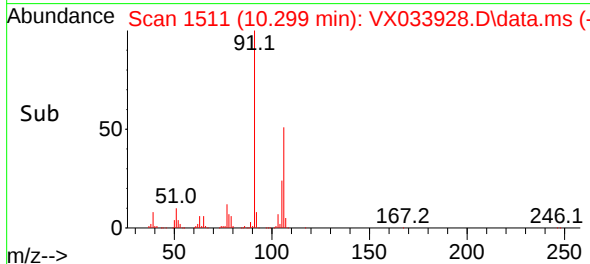
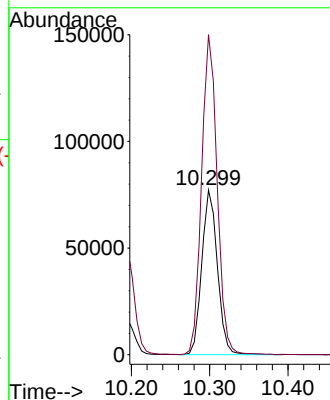
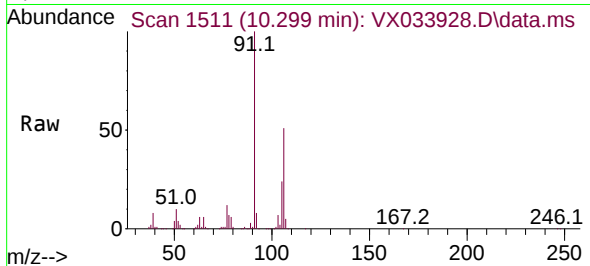




#68
m/p-Xylenes
Concen: 38.364 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

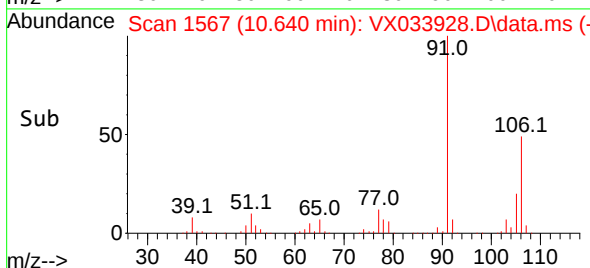
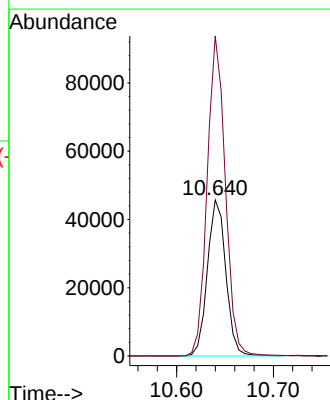
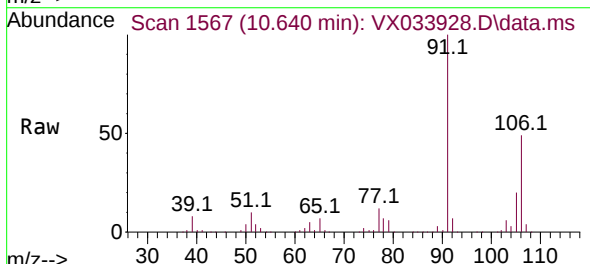
Instrument :
MSVOA_X
ClientSampleId :
33902DL

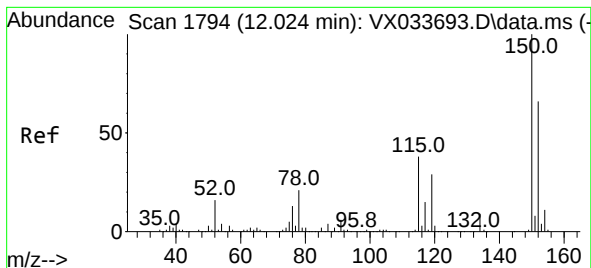
Tgt Ion:106 Resp: 106710
Ion Ratio Lower Upper
106 100
91 194.4 156.4 234.6



#69
o-Xylene
Concen: 21.969 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX033928.D
Acq: 27 Jan 2023 11:32

Tgt Ion:106 Resp: 60601
Ion Ratio Lower Upper
106 100
91 202.2 103.1 309.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX033928.D

Acq: 27 Jan 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

33902DL

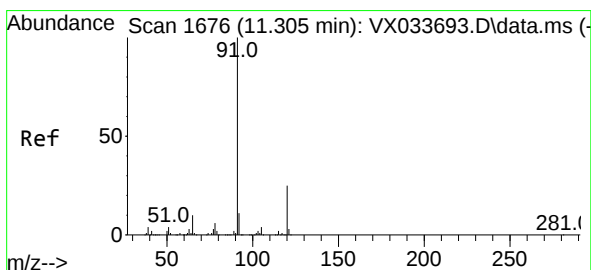
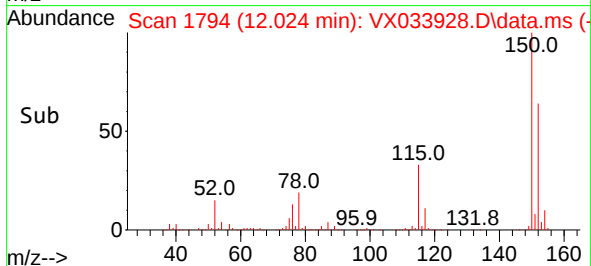
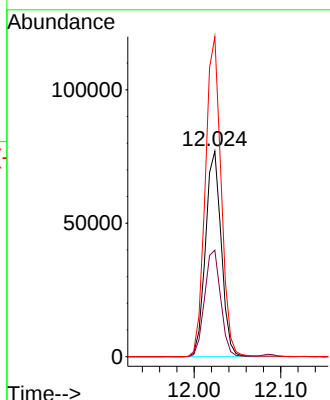
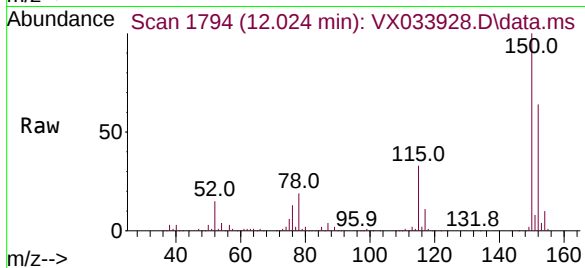
Tgt Ion:152 Resp: 97426

Ion Ratio Lower Upper

152 100

115 52.9 38.7 116.1

150 156.0 0.0 348.2



#78

n-propylbenzene

Concen: 0.987 ug/l

RT: 11.304 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033928.D

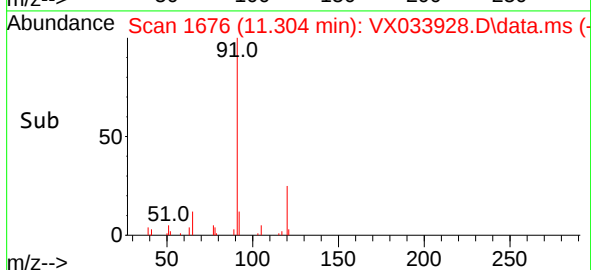
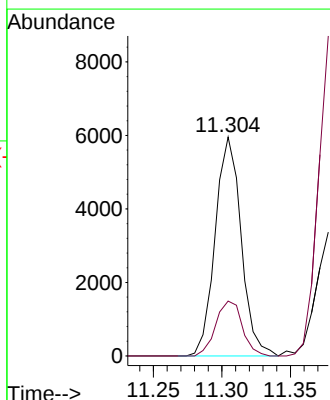
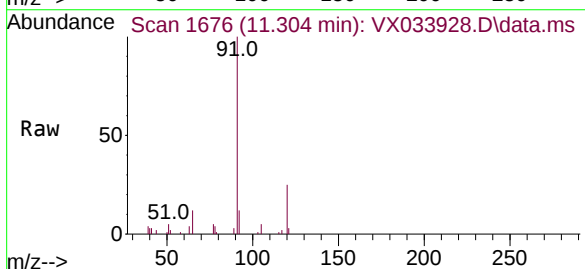
Acq: 27 Jan 2023 11:32

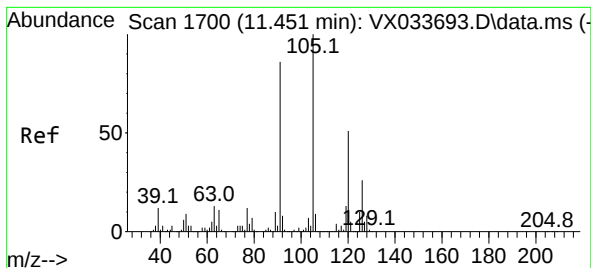
Tgt Ion: 91 Resp: 7848

Ion Ratio Lower Upper

91 100

120 25.6 12.3 36.8





#80

1,3,5-Trimethylbenzene

Concen: 2.556 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX033928.D

Acq: 27 Jan 2023 11:32

Instrument :

MSVOA_X

ClientSampleId :

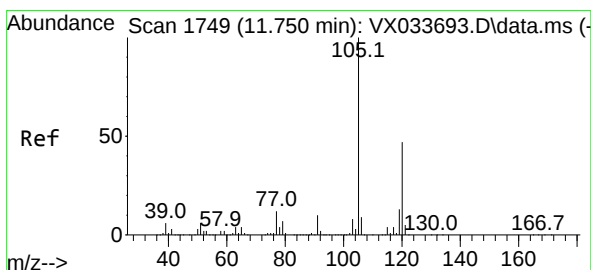
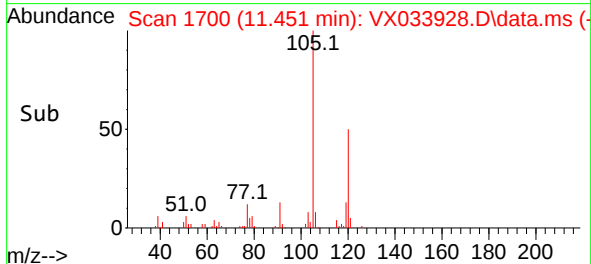
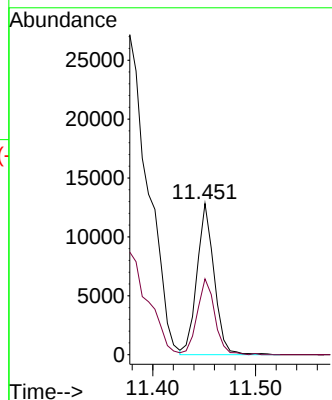
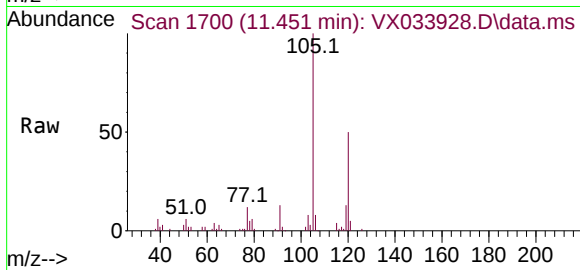
33902DL

Tgt Ion:105 Resp: 14984

Ion Ratio Lower Upper

105 100

120 51.0 25.6 76.8



#84

1,2,4-Trimethylbenzene

Concen: 10.519 ug/l

RT: 11.749 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX033928.D

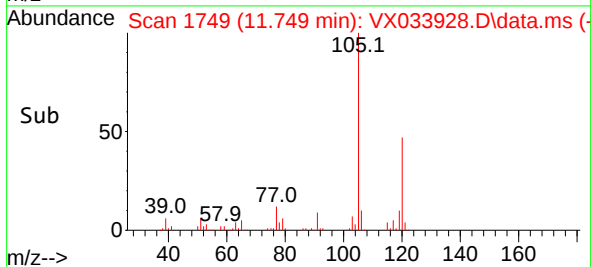
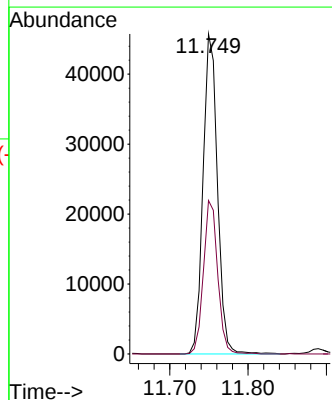
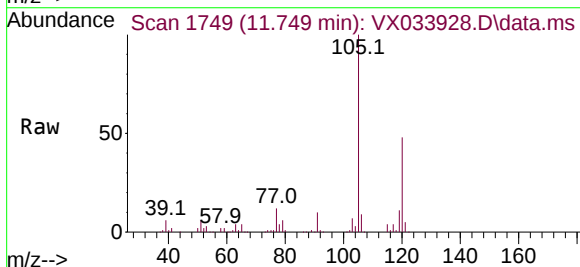
Acq: 27 Jan 2023 11:32

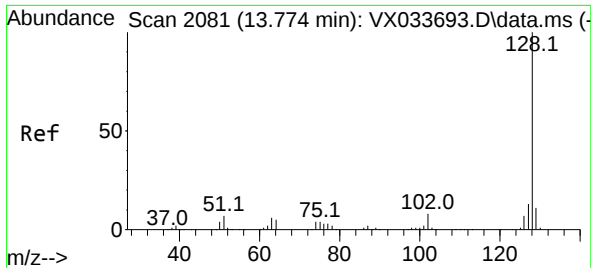
Tgt Ion:105 Resp: 58336

Ion Ratio Lower Upper

105 100

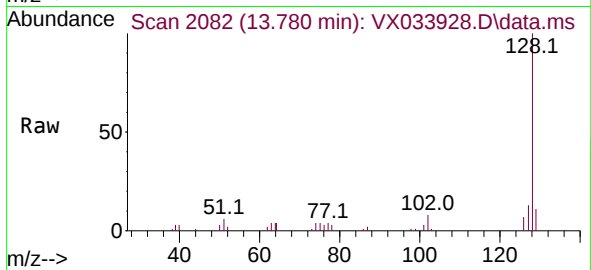
120 47.5 23.4 70.2





#95
 Naphthalene
 Concen: 1.851 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX033928.D
 Acq: 27 Jan 2023 11:32

Instrument :
 MSVOA_X
 ClientSampleId :
 33902DL



Tgt Ion:128 Resp: 11392
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.3 15.5
 129 10.6 8.7 13.1

