

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042723\
 Data File : VX035367.D
 Acq On : 28 Apr 2023 05:45
 Operator : JC/MD
 Sample : 02522-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Apr 28 06:45:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	248182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	405947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	375219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	183037	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	146548	48.944	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.880%
35) Dibromofluoromethane	5.385	113	124156	49.830	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.660%
50) Toluene-d8	8.647	98	475207	50.559	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.120%
62) 4-Bromofluorobenzene	11.079	95	191949	54.288	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.580%

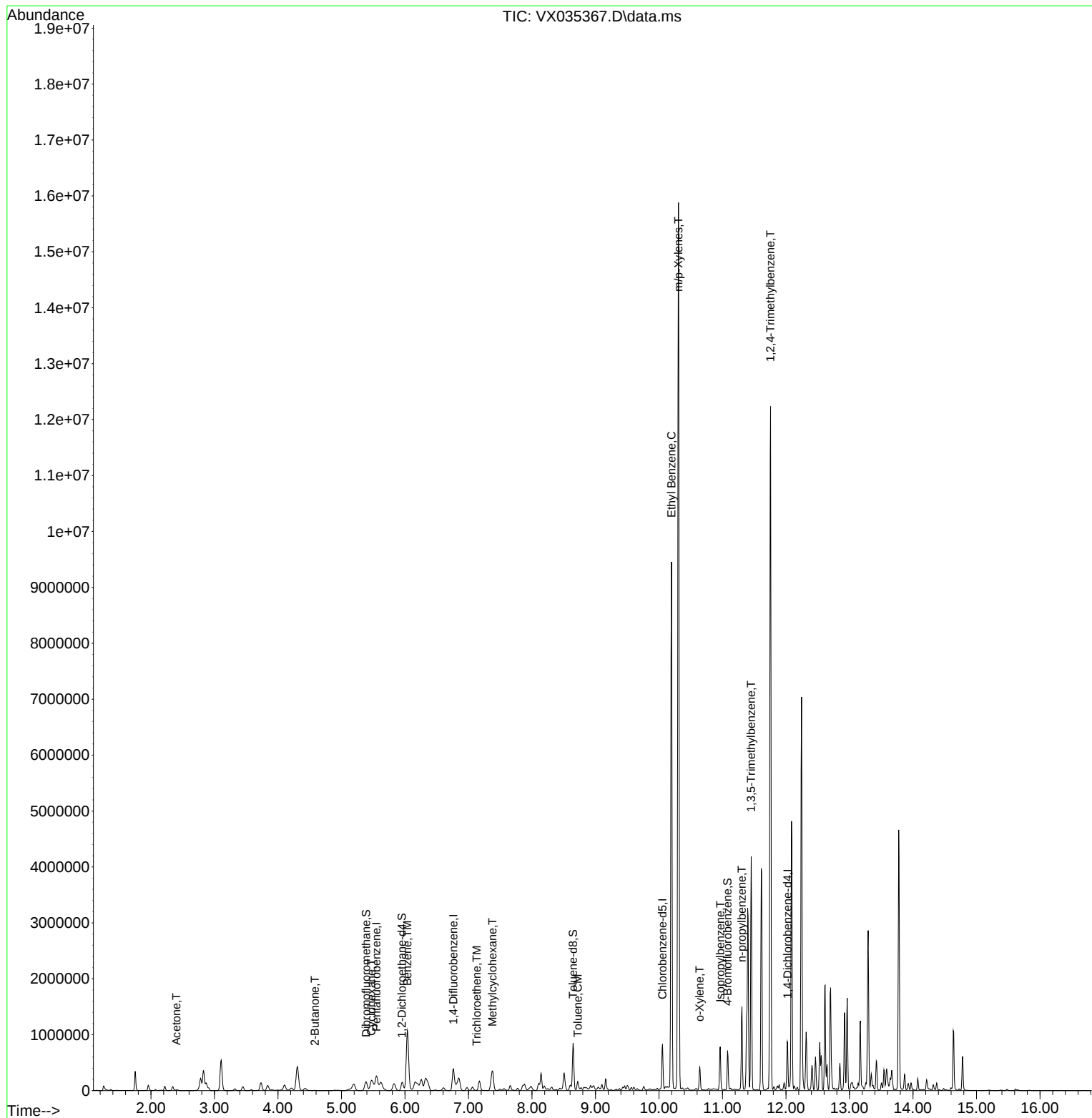
Target Compounds						Qvalue
16) Acetone	2.398	43	17977	13.824	ug/l	95
25) 2-Butanone	4.581	43	12763	6.724	ug/l #	87
31) Cyclohexane	5.471	56	138101	32.515	ug/l	96
39) Methylcyclohexane	7.379	83	154740	32.675	ug/l	90
40) Benzene	6.038	78	1310275	117.404	ug/l	100
44) Trichloroethene	7.129	130	871	0.283	ug/l	82
52) Toluene	8.720	92	60771	8.590	ug/l	96
67) Ethyl Benzene	10.195	91	5247226	373.242	ug/l	95
68) m/p-Xylenes	10.305	106	3749576	696.048	ug/l	89
69) o-Xylene	10.640	106	89051	16.858	ug/l	99
73) Isopropylbenzene	10.964	105	404729	30.249	ug/l	99
78) n-propylbenzene	11.305	91	880737	57.315	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1724729	152.878	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	5191000	457.937	ug/l	95

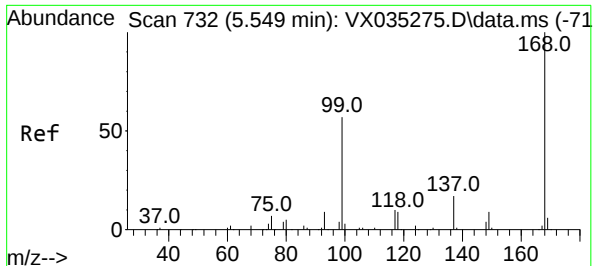
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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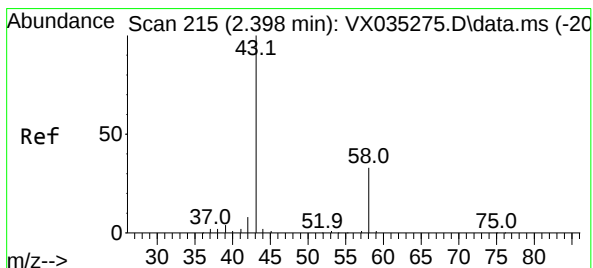
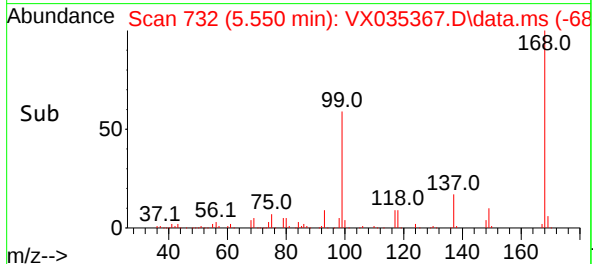
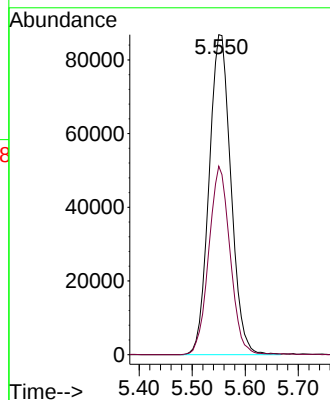
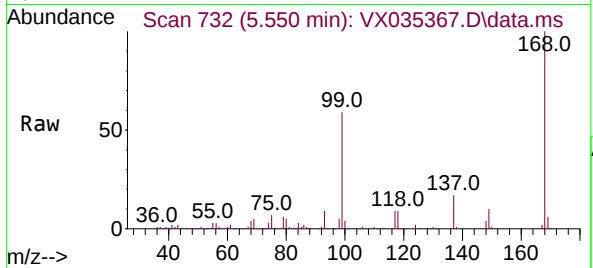




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

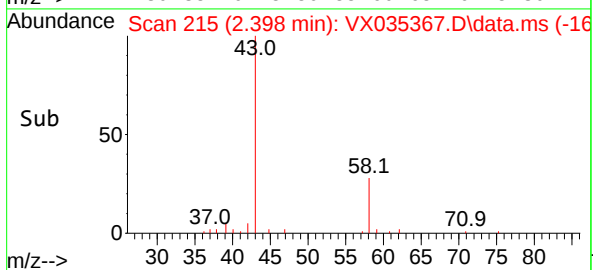
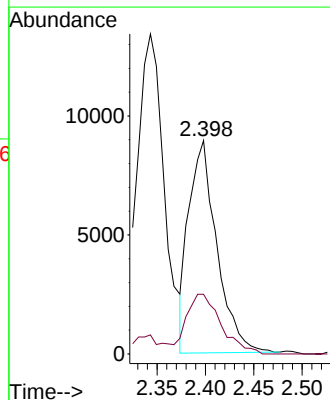
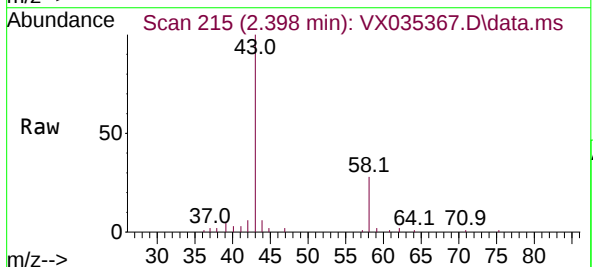
Instrument :
MSVOA_X
ClientSampleId :
MW-2

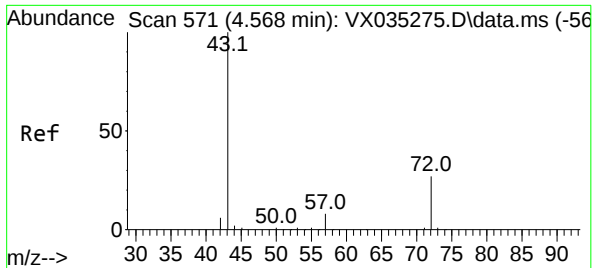
Tgt Ion:168 Resp: 248182
Ion Ratio Lower Upper
168 100
99 58.9 45.7 68.5



#16
Acetone
Concen: 13.824 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

Tgt Ion: 43 Resp: 17977
Ion Ratio Lower Upper
43 100
58 28.2 24.7 37.1

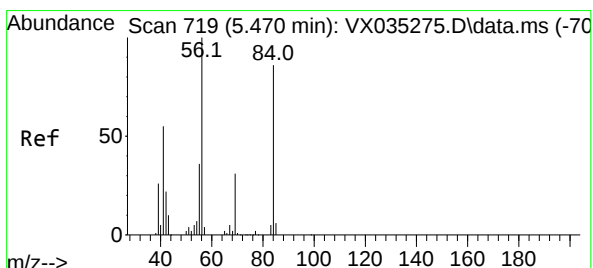
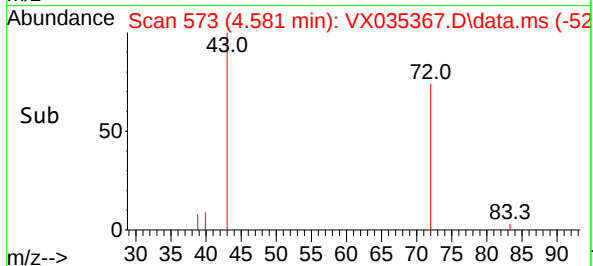
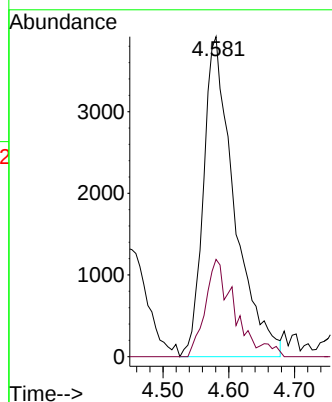
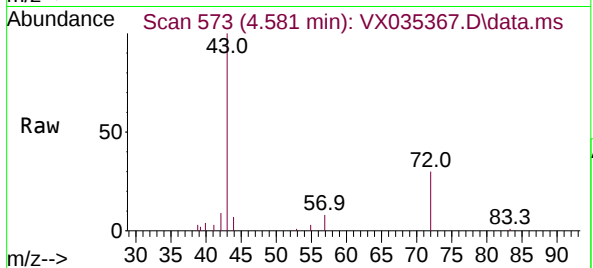




#25
2-Butanone
Concen: 6.724 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

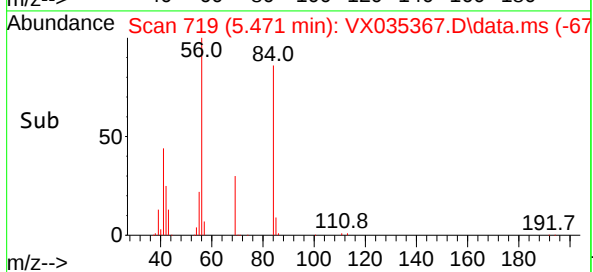
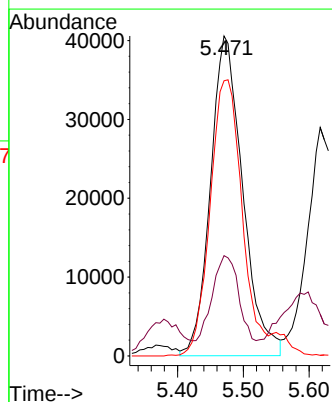
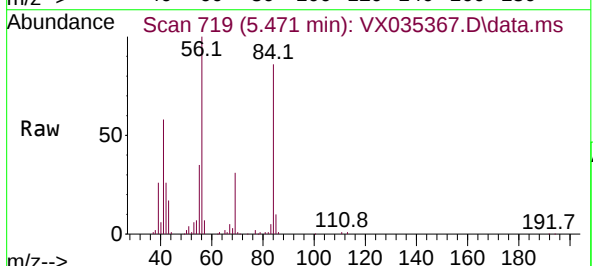
Instrument :
MSVOA_X
ClientSampleId :
MW-2

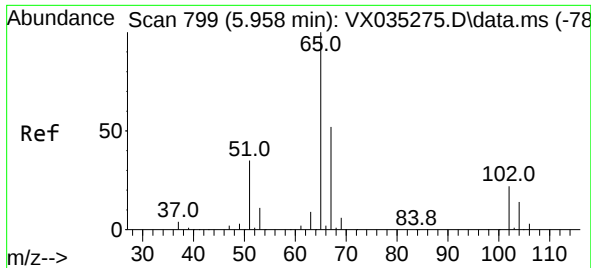
Tgt Ion: 43 Resp: 12763
Ion Ratio Lower Upper
43 100
72 30.4 19.3 28.9#



#31
Cyclohexane
Concen: 32.515 ug/l
RT: 5.471 min Scan# 719
Delta R.T. 0.001 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

Tgt Ion: 56 Resp: 138101
Ion Ratio Lower Upper
56 100
69 24.3 23.7 35.5
84 87.0 68.5 102.7

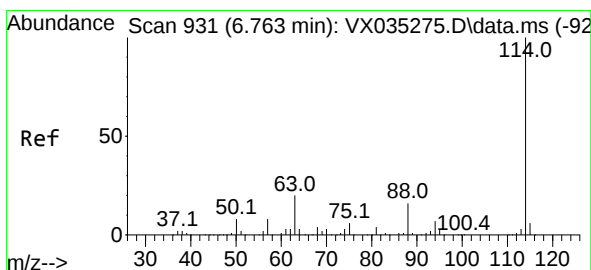
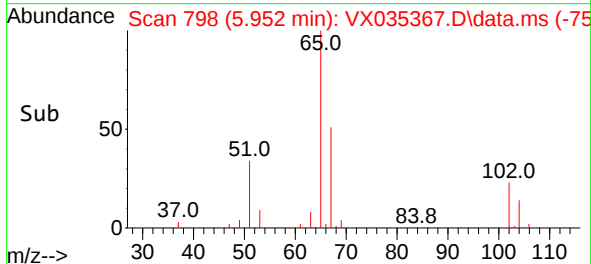
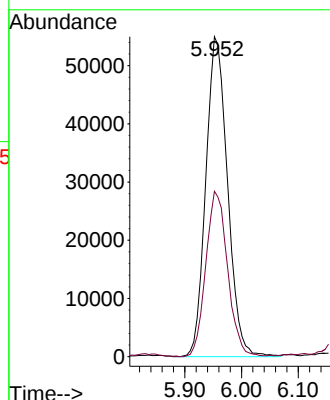
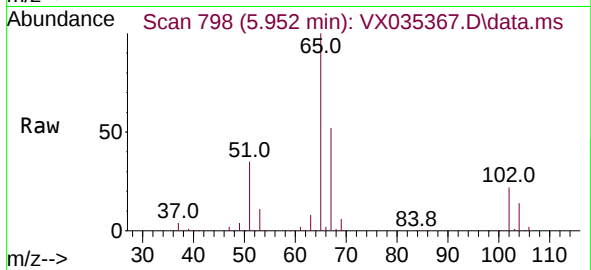




#33
 1,2-Dichloroethane-d4
 Concen: 48.944 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX035367.D
 Acq: 28 Apr 2023 05:45

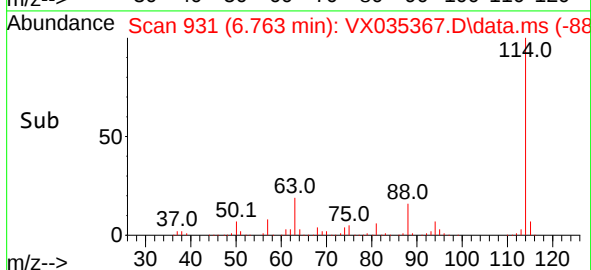
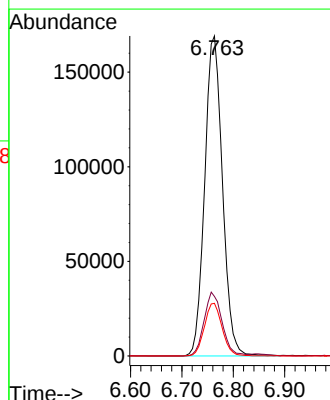
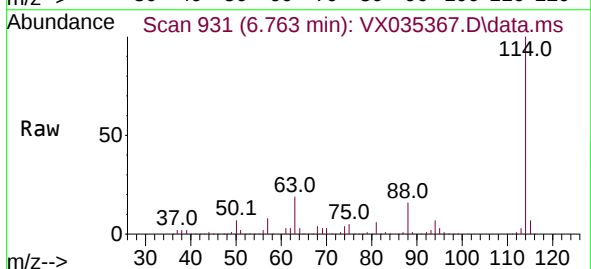
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

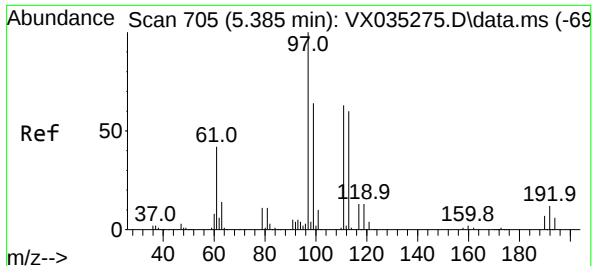
Tgt Ion: 65 Resp: 146548
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX035367.D
 Acq: 28 Apr 2023 05:45

Tgt Ion: 114 Resp: 405947
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 42.2
 88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 49.830 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX035367.D

Acq: 28 Apr 2023 05:45

Instrument :

MSVOA_X

ClientSampleId :

MW-2

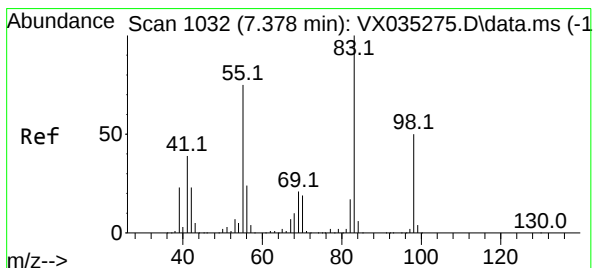
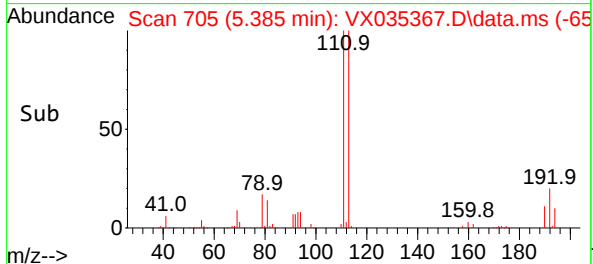
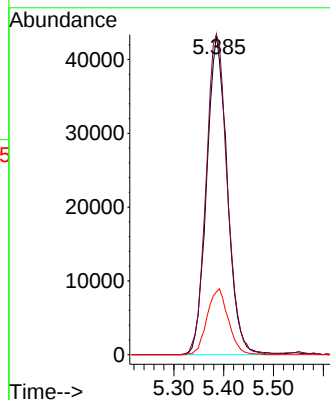
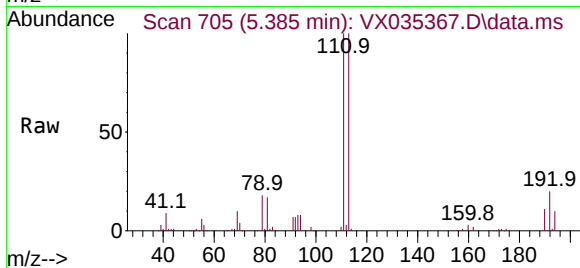
Tgt Ion:113 Resp: 124156

Ion Ratio Lower Upper

113 100

111 103.5 83.7 125.5

192 21.2 15.4 23.2



#39

Methylcyclohexane

Concen: 32.675 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX035367.D

Acq: 28 Apr 2023 05:45

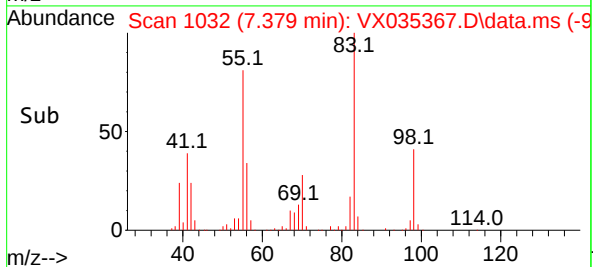
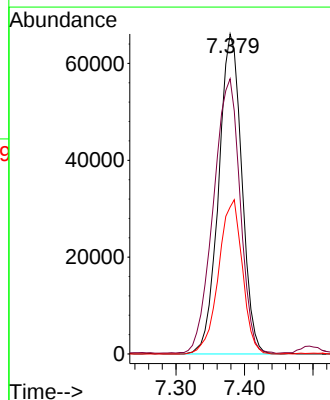
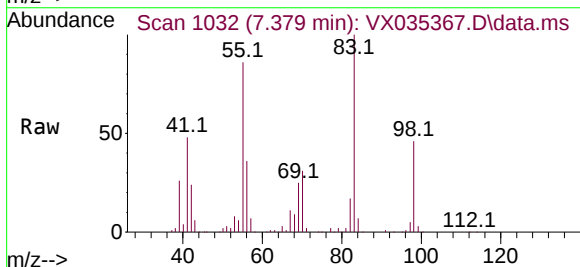
Tgt Ion: 83 Resp: 154740

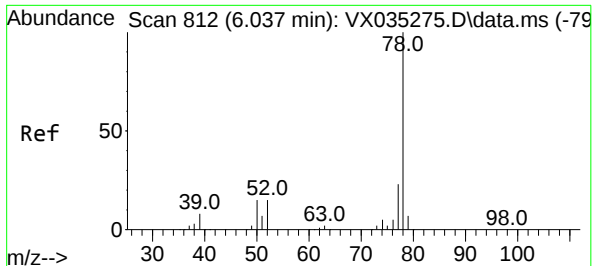
Ion Ratio Lower Upper

83 100

55 85.7 60.5 90.7

98 45.9 40.4 60.6

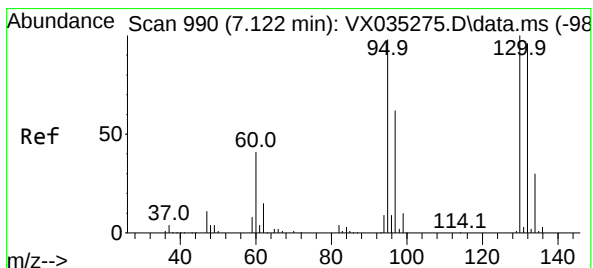
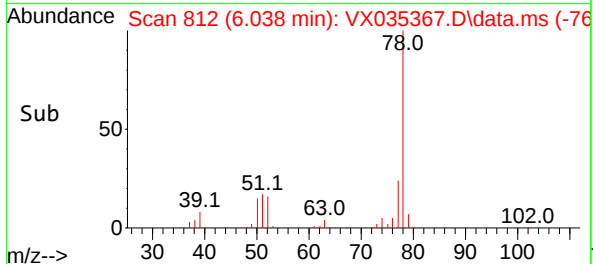
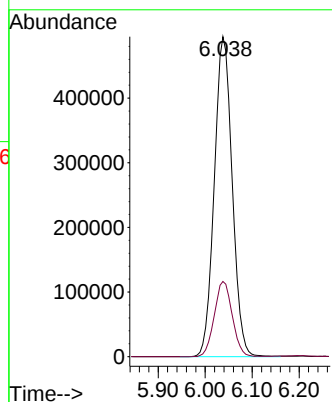
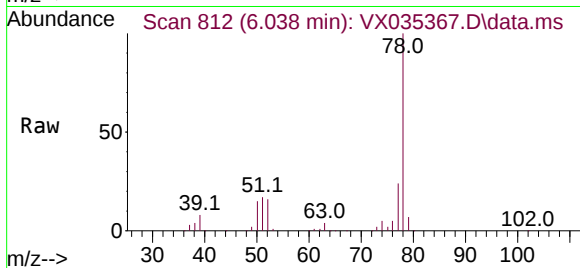




#40
Benzene
Concen: 117.404 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

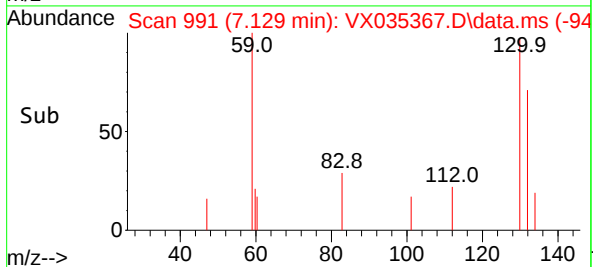
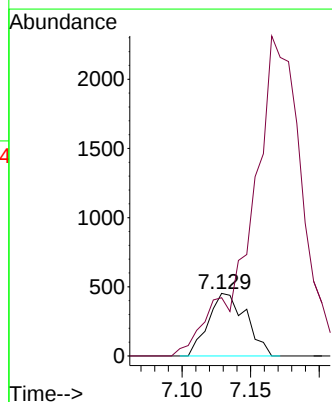
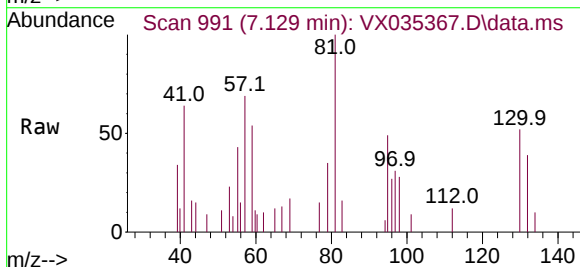
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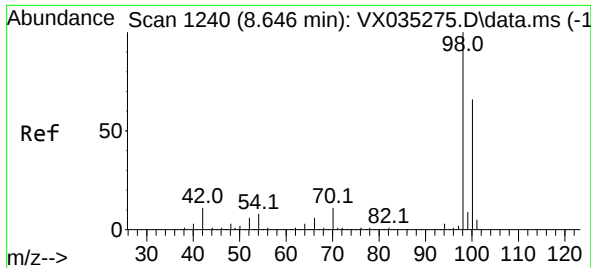
Tgt Ion: 78 Resp: 1310275
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



#44
Trichloroethene
Concen: 0.283 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

Tgt Ion:130 Resp: 871
Ion Ratio Lower Upper
130 100
95 81.2 0.0 198.4

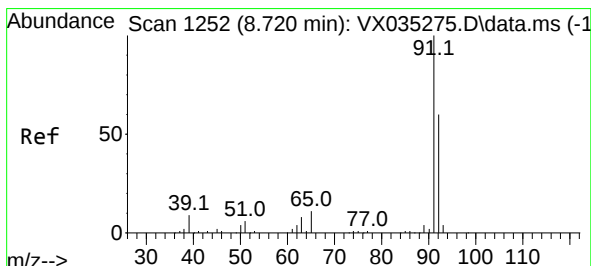
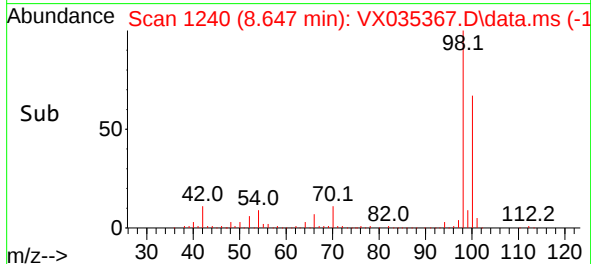
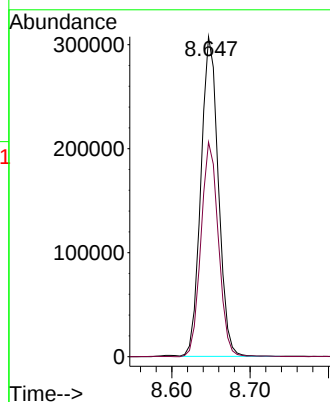
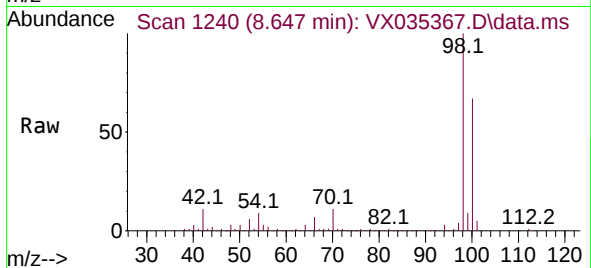




#50
Toluene-d8
Concen: 50.559 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

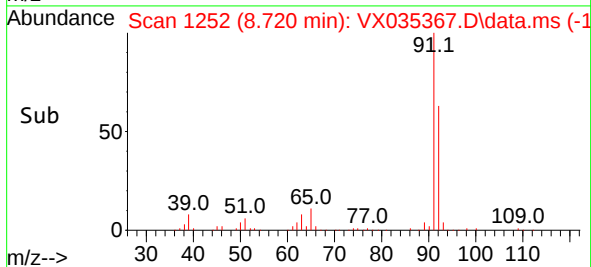
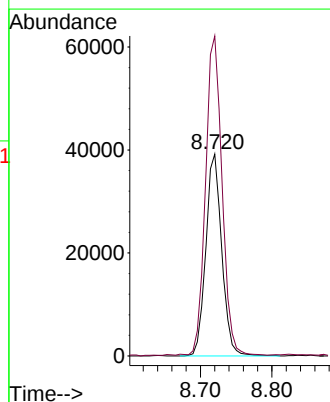
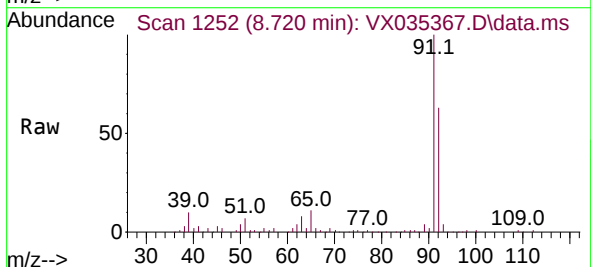
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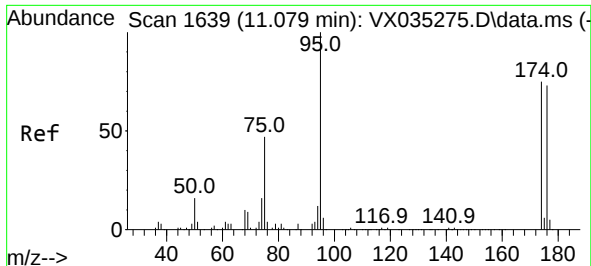
Tgt Ion: 98 Resp: 475207
Ion Ratio Lower Upper
98 100
100 67.1 52.5 78.7



#52
Toluene
Concen: 8.590 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

Tgt Ion: 92 Resp: 60771
Ion Ratio Lower Upper
92 100
91 165.7 136.8 205.2

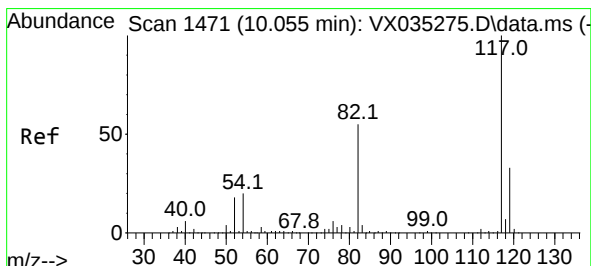
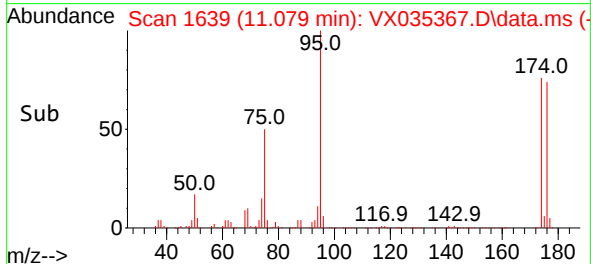
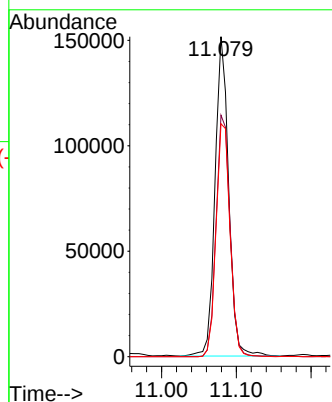
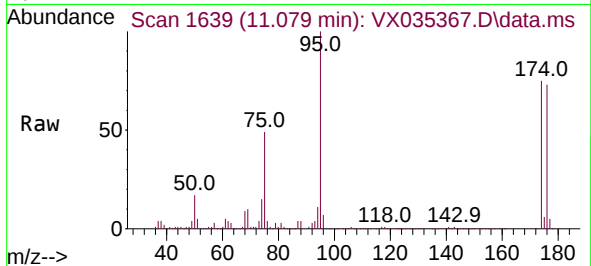




#62
4-Bromofluorobenzene
Concen: 54.288 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

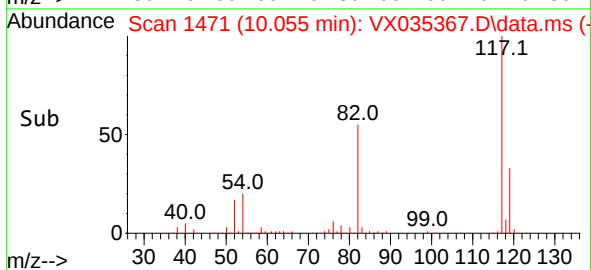
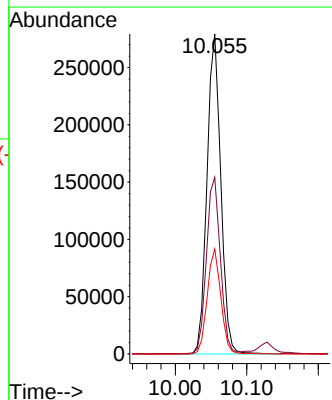
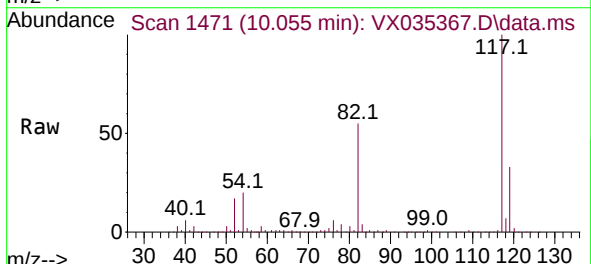
Instrument :
MSVOA_X
ClientSampleId :
MW-2

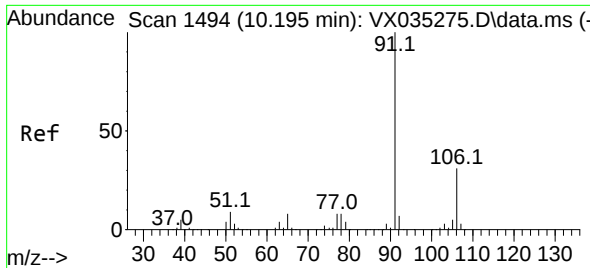
Tgt Ion: 95 Resp: 191949
Ion Ratio Lower Upper
95 100
174 77.4 0.0 147.4
176 74.9 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

Tgt Ion: 117 Resp: 375219
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.4
119 32.8 26.0 39.0

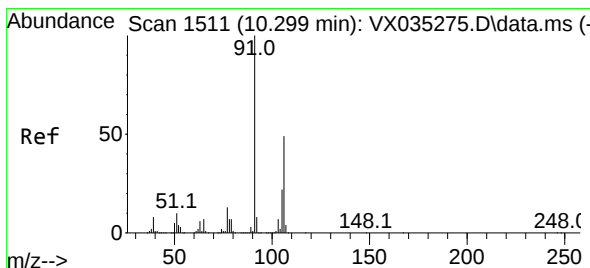
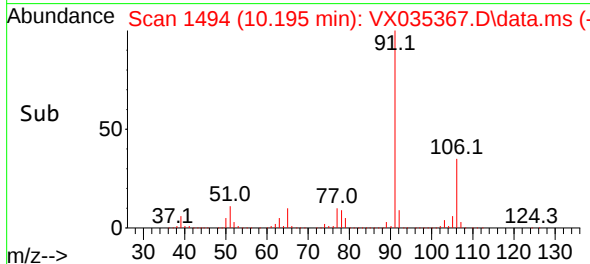
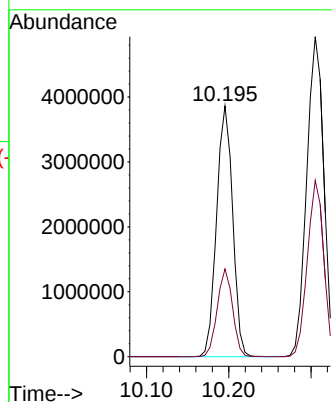
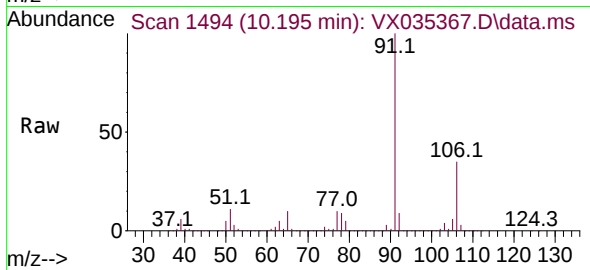




#67
Ethyl Benzene
Concen: 373.242 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

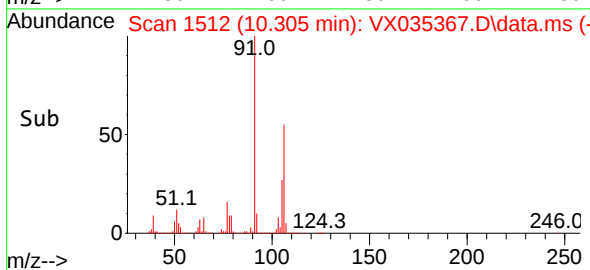
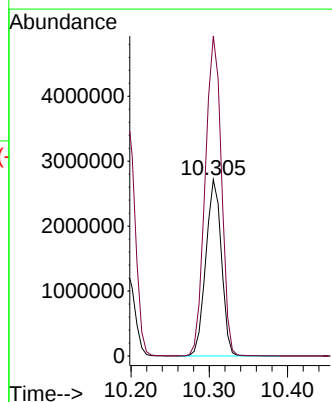
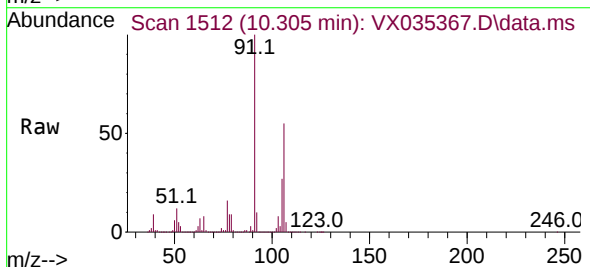
Instrument :
MSVOA_X
ClientSampleId :
MW-2

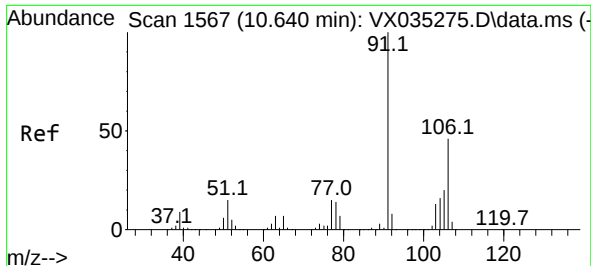
Tgt Ion: 91 Resp: 5247226
Ion Ratio Lower Upper
91 100
106 35.0 25.6 38.4



#68
m/p-Xylenes
Concen: 696.048 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

Tgt Ion: 106 Resp: 3749576
Ion Ratio Lower Upper
106 100
91 188.8 164.0 246.0

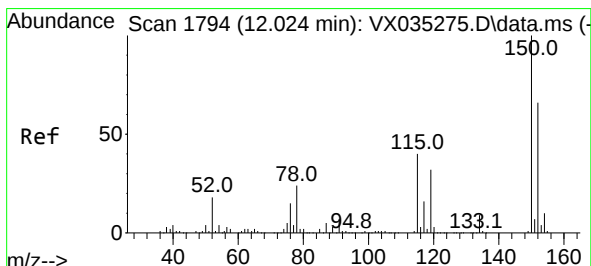
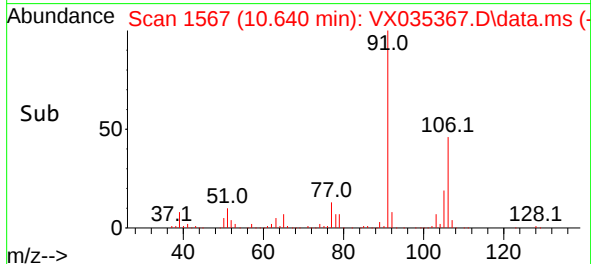
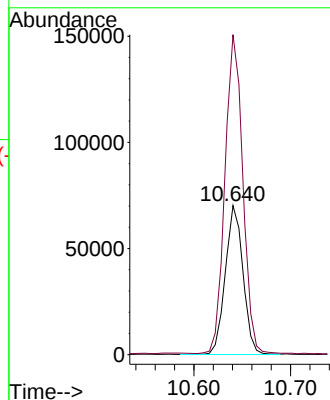
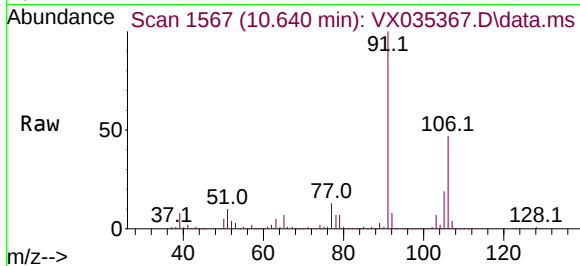




#69
o-Xylene
Concen: 16.858 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

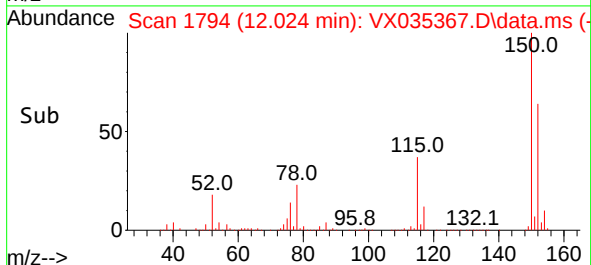
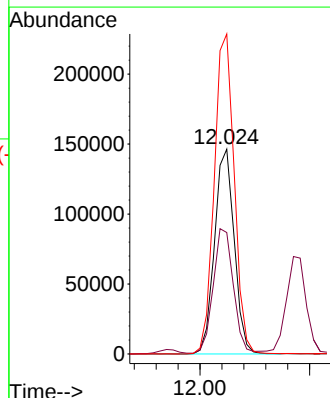
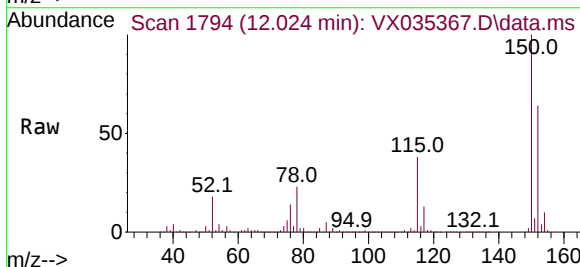
Instrument :
MSVOA_X
ClientSampleId :
MW-2

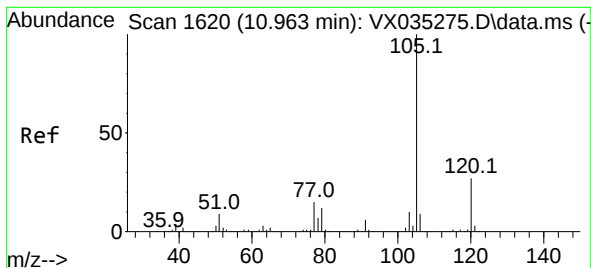
Tgt Ion:106 Resp: 89051
Ion Ratio Lower Upper
106 100
91 215.9 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035367.D
Acq: 28 Apr 2023 05:45

Tgt Ion:152 Resp: 183037
Ion Ratio Lower Upper
152 100
115 61.9 45.0 135.0
150 158.0 0.0 352.4





#73

Isopropylbenzene

Concen: 30.249 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX035367.D

Acq: 28 Apr 2023 05:45

Instrument :

MSVOA_X

ClientSampleId :

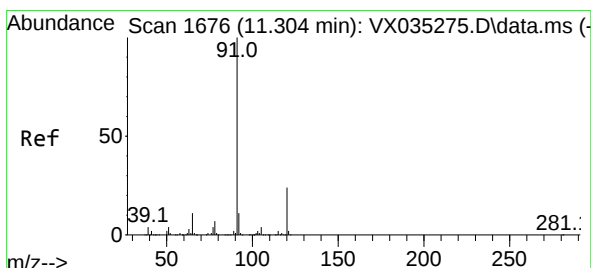
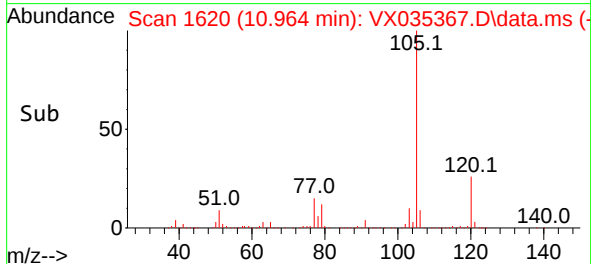
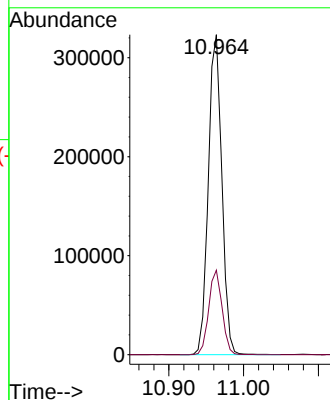
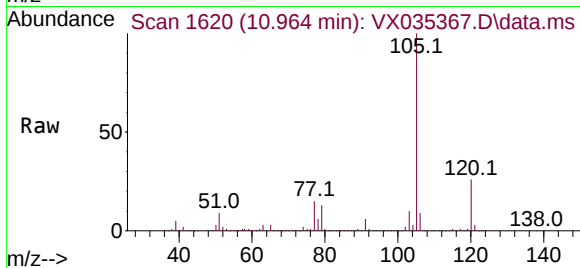
MW-2

Tgt Ion:105 Resp: 404729

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9



#78

n-propylbenzene

Concen: 57.315 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX035367.D

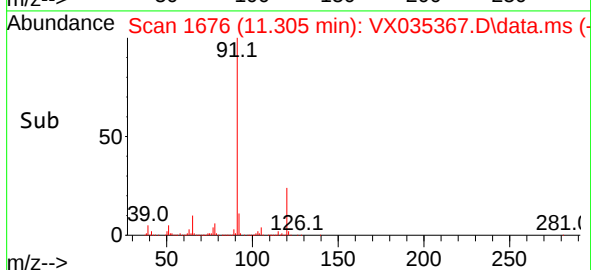
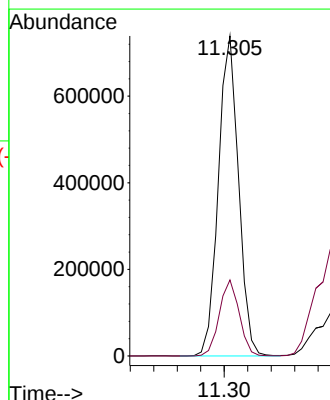
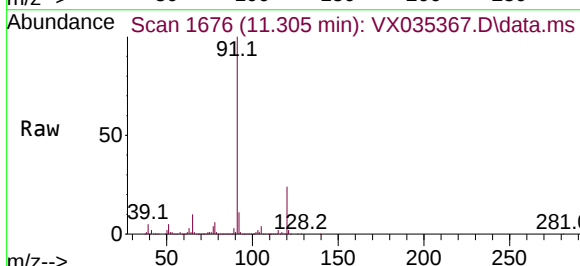
Acq: 28 Apr 2023 05:45

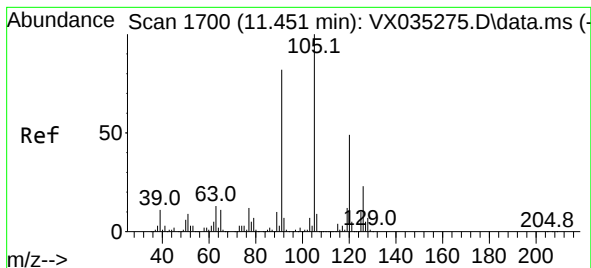
Tgt Ion: 91 Resp: 880737

Ion Ratio Lower Upper

91 100

120 23.5 11.5 34.5





#80

1,3,5-Trimethylbenzene

Concen: 152.878 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035367.D

Acq: 28 Apr 2023 05:45

Instrument :

MSVOA_X

ClientSampleId :

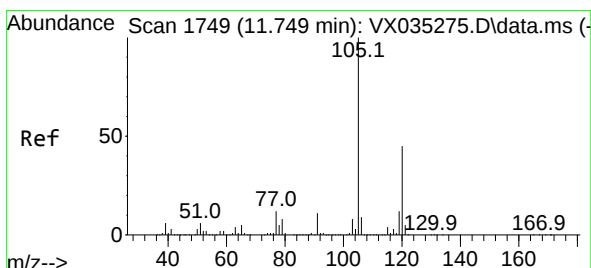
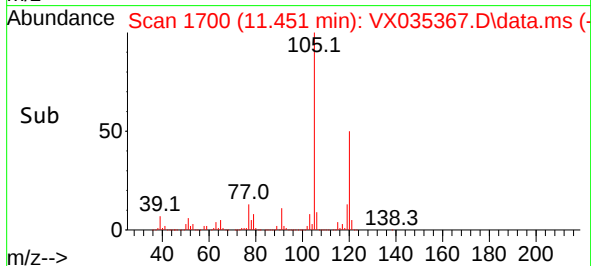
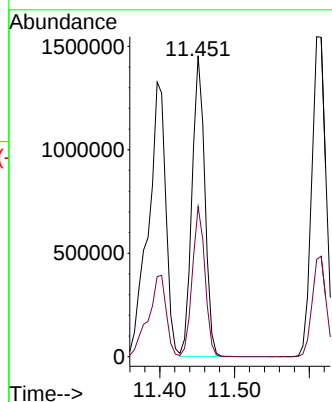
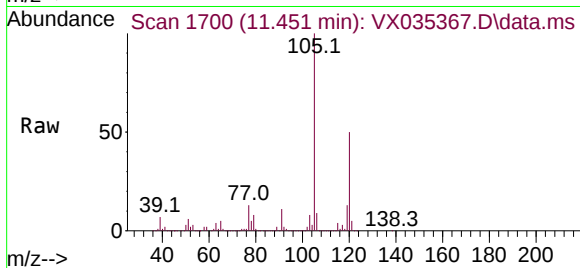
MW-2

Tgt Ion:105 Resp: 1724729

Ion Ratio Lower Upper

105 100

120 49.3 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 457.937 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.007 min

Lab File: VX035367.D

Acq: 28 Apr 2023 05:45

Tgt Ion:105 Resp: 5191000

Ion Ratio Lower Upper

105 100

120 47.9 22.4 67.0

