

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033514.D
 Acq On : 20 Dec 2022 17:35
 Operator : JC/MD
 Sample : N6149-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RING-1

Quant Time: Dec 21 04:16:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

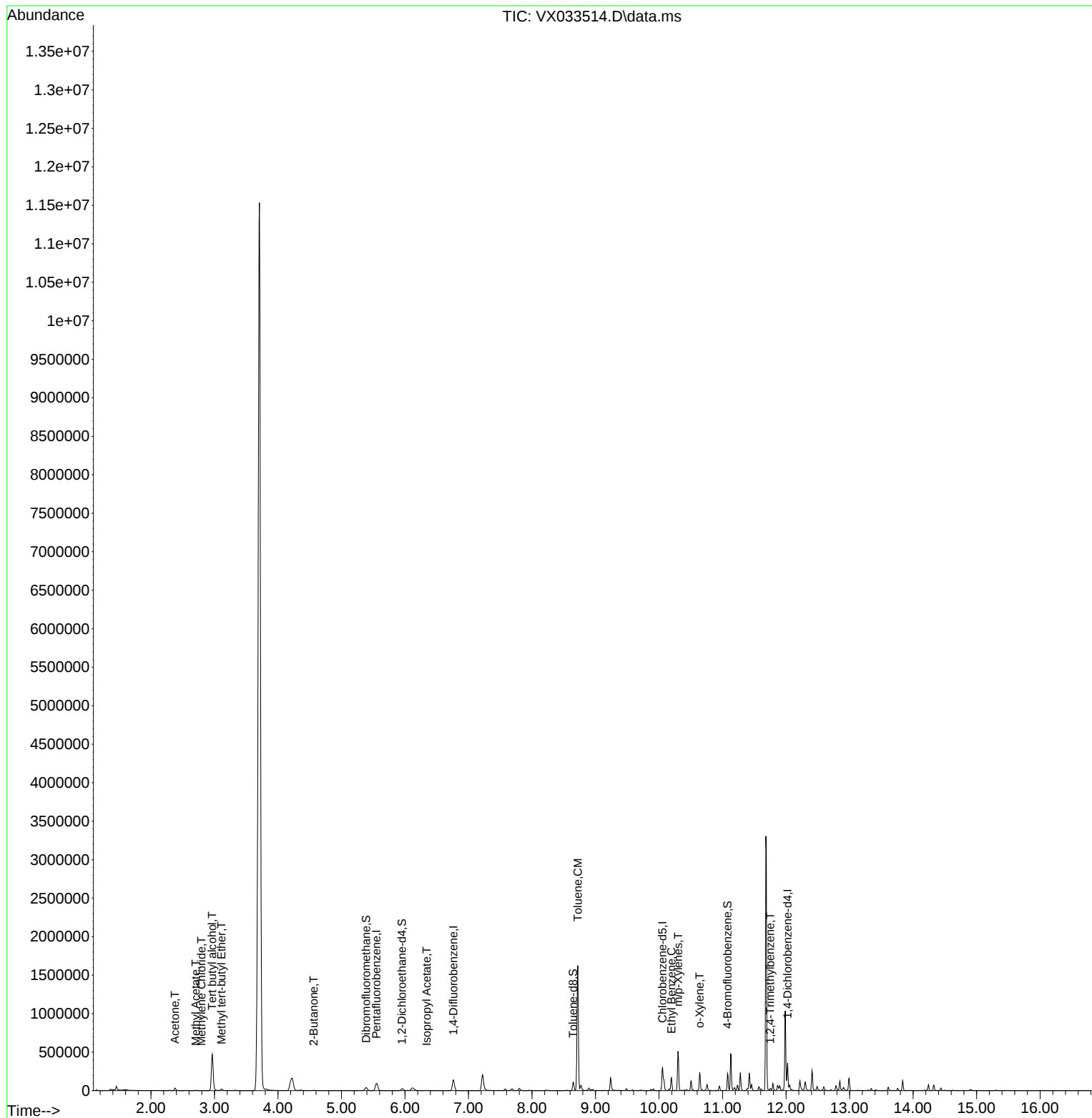
Internal Standards						
1) Pentafluorobenzene	5.550	168	96268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	149162	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	27037	43.778	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.560%
35) Dibromofluoromethane	5.385	113	33944	50.595	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.180%
50) Toluene-d8	8.647	98	68143	48.553	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.100%
62) 4-Bromofluorobenzene	11.079	95	52577	48.994	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	44279	234.506	ug/l #	67
16) Acetone	2.380	43	37261	81.534	ug/l	90
18) Methyl Acetate	2.703	43	7611	5.753	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	20815	6.885	ug/l	97
20) Methylene Chloride	2.794	84	1037	1.017	ug/l	95
25) 2-Butanone	4.562	43	5799	8.840	ug/l	96
43) Isopropyl Acetate	6.342	43	3496	1.757	ug/l	98
52) Toluene	8.720	92	607587	246.403	ug/l	99
67) Ethyl Benzene	10.195	91	93082	19.646	ug/l	99
68) m/p-Xylenes	10.299	106	117586	63.786	ug/l	97
69) o-Xylene	10.640	106	49587	27.214	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	8954	2.177	ug/l	94

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

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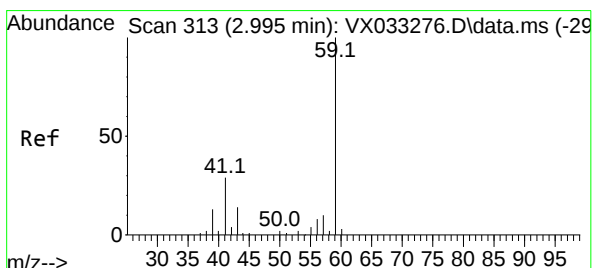
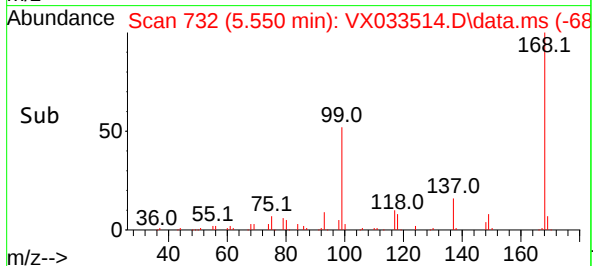
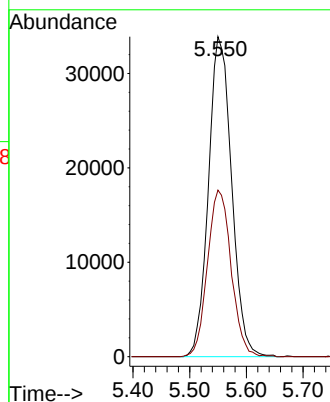
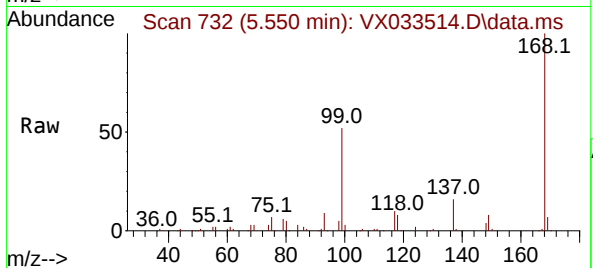




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

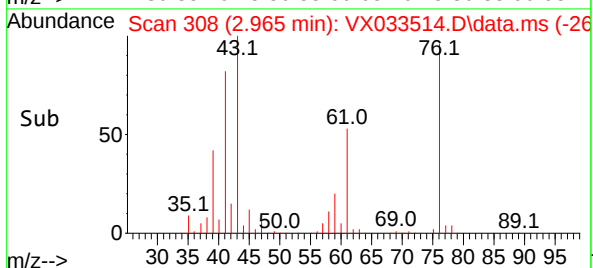
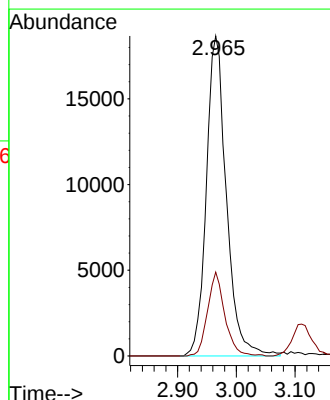
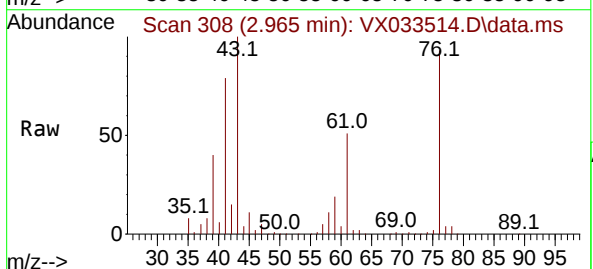
Instrument :
MSVOA_X
ClientSampleId :
RING-1

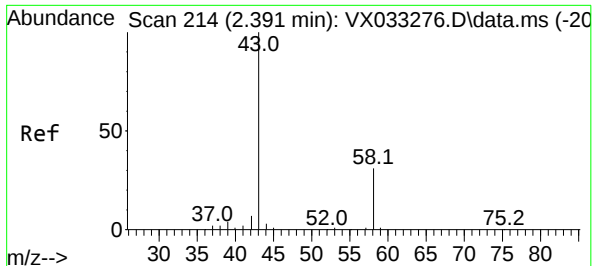
Tgt Ion:168 Resp: 96268
Ion Ratio Lower Upper
168 100
99 52.1 46.1 69.1



#11
Tert butyl alcohol
Concen: 234.506 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

Tgt Ion: 59 Resp: 44279
Ion Ratio Lower Upper
59 100
57 22.6 8.2 12.4#

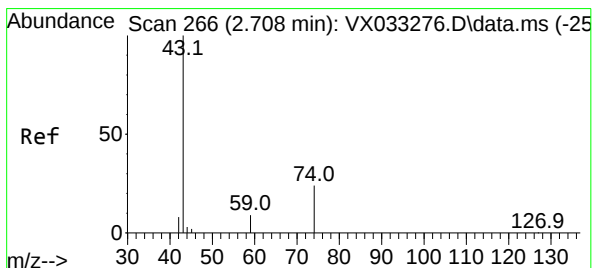
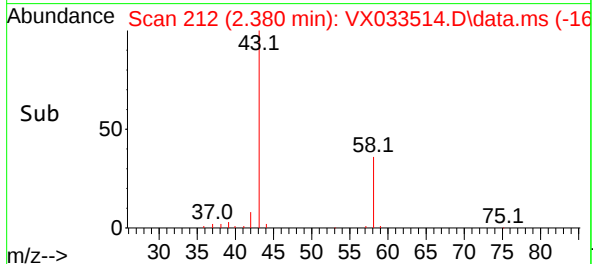
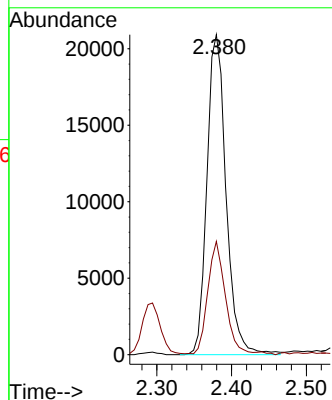
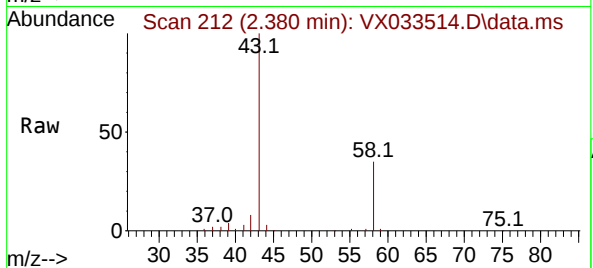




#16
Acetone
Concen: 81.534 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

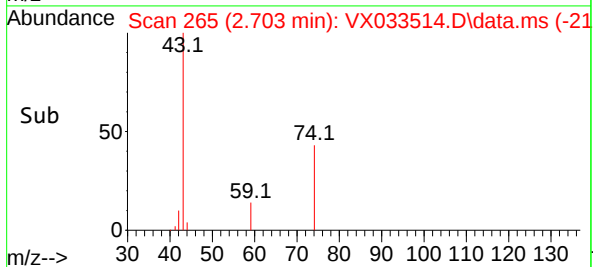
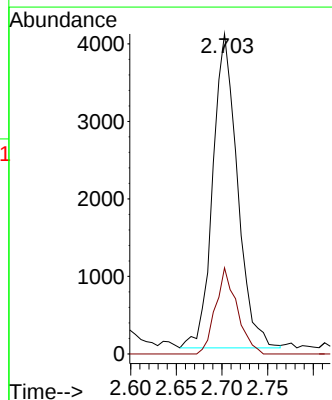
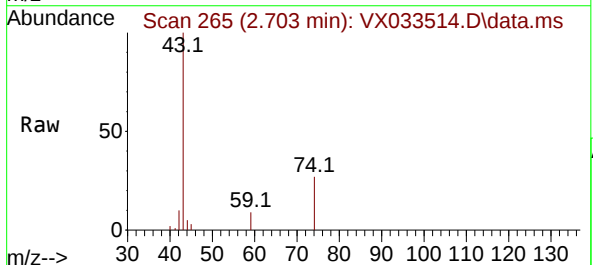
Instrument :
MSVOA_X
ClientSampleId :
RING-1

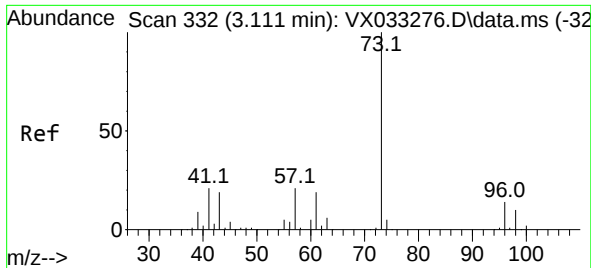
Tgt Ion: 43 Resp: 37261
Ion Ratio Lower Upper
43 100
58 35.0 23.8 35.8



#18
Methyl Acetate
Concen: 5.753 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

Tgt Ion: 43 Resp: 7611
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.0

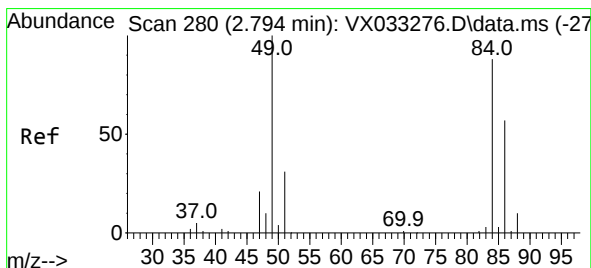
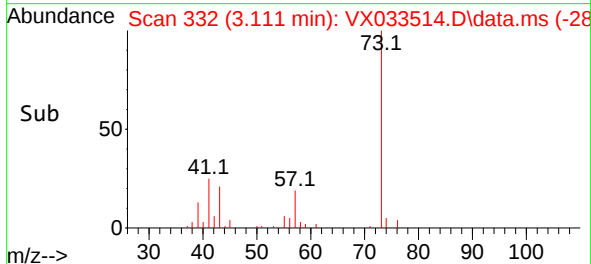
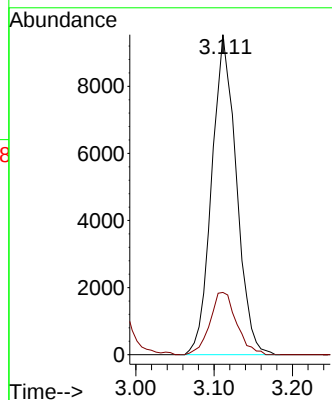
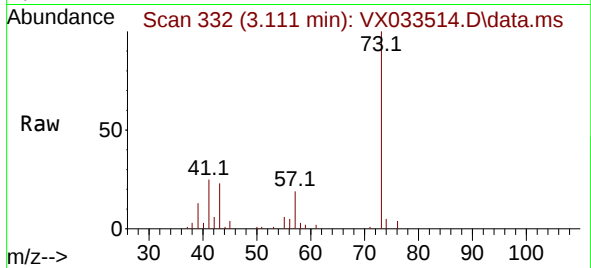




#19
Methyl tert-butyl Ether
Concen: 6.885 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

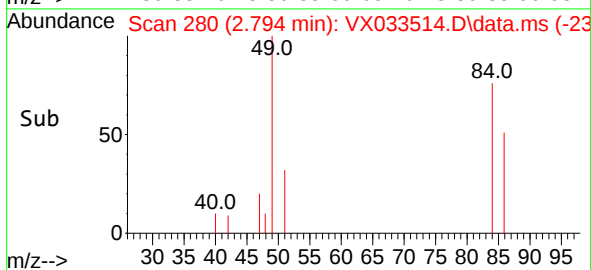
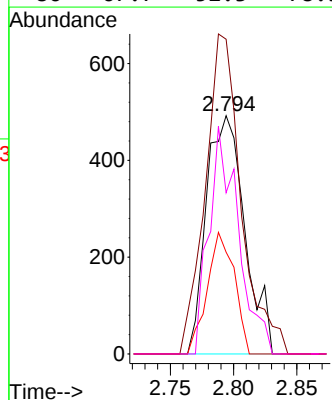
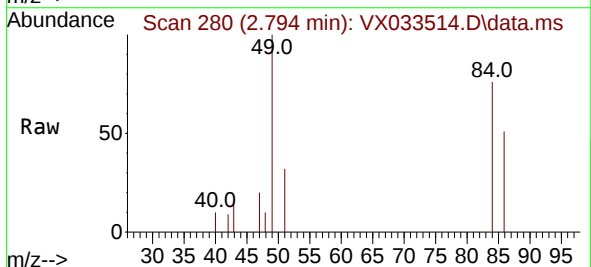
Instrument :
MSVOA_X
ClientSampleId :
RING-1

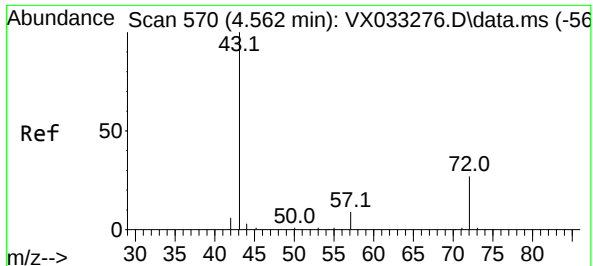
Tgt Ion: 73 Resp: 20815
Ion Ratio Lower Upper
73 100
57 19.5 16.6 25.0



#20
Methylene Chloride
Concen: 1.017 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

Tgt Ion: 84 Resp: 1037
Ion Ratio Lower Upper
84 100
49 132.1 101.0 151.6
51 42.7 31.1 46.7
86 67.7 52.3 78.5





#25

2-Butanone

Concen: 8.840 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX033514.D

Acq: 20 Dec 2022 17:35

Instrument :

MSVOA_X

ClientSampleId :

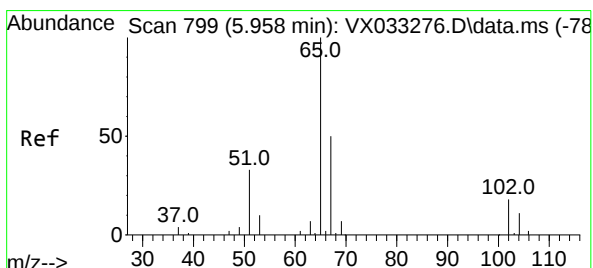
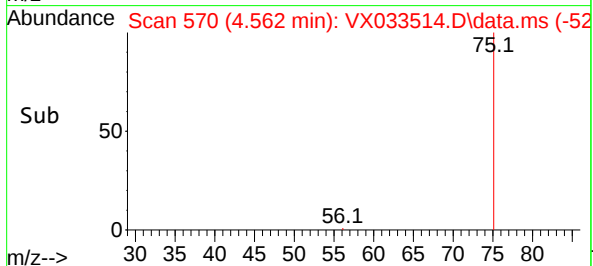
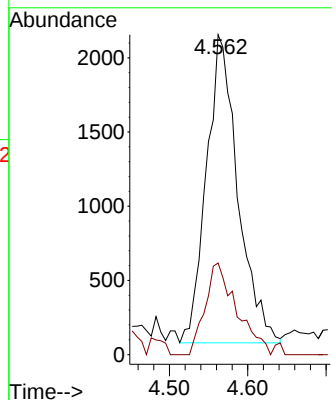
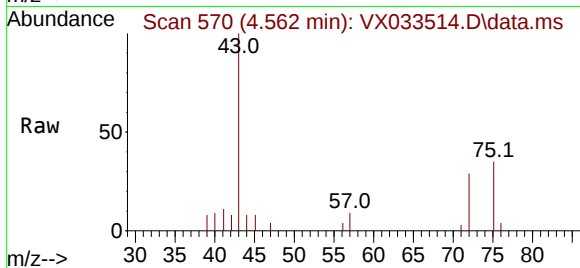
RING-1

Tgt Ion: 43 Resp: 5799

Ion Ratio Lower Upper

43 100

72 29.7 22.2 33.2



#33

1,2-Dichloroethane-d4

Concen: 43.778 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX033514.D

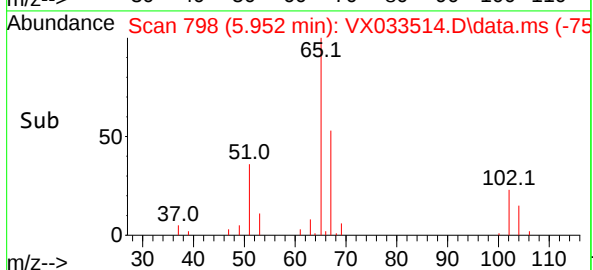
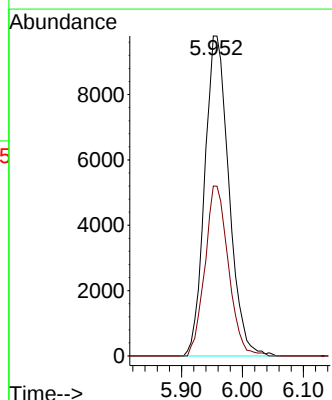
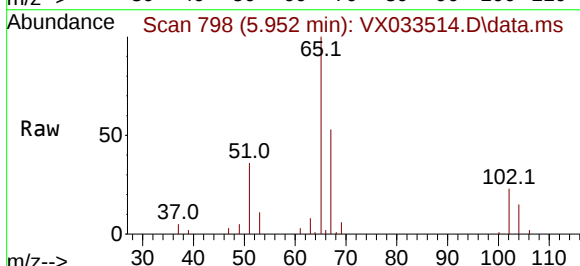
Acq: 20 Dec 2022 17:35

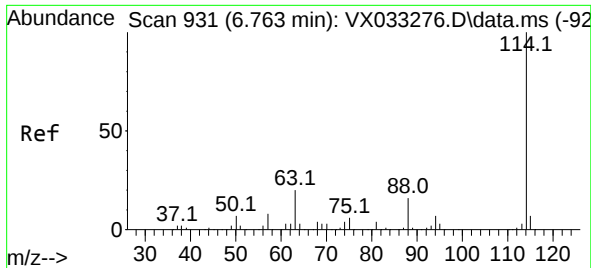
Tgt Ion: 65 Resp: 27037

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8

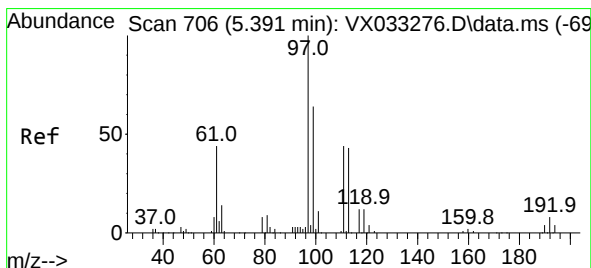
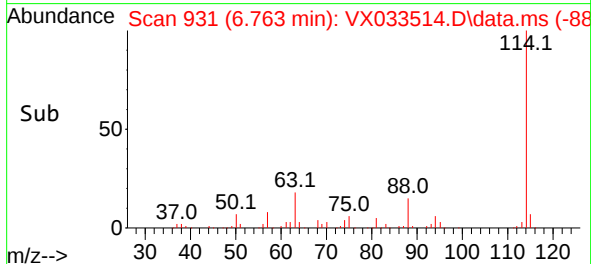
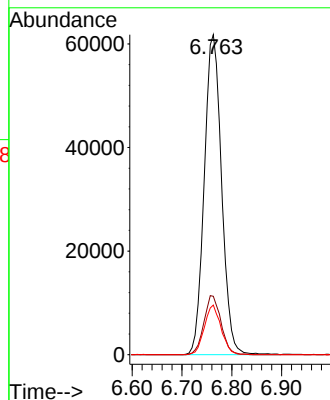
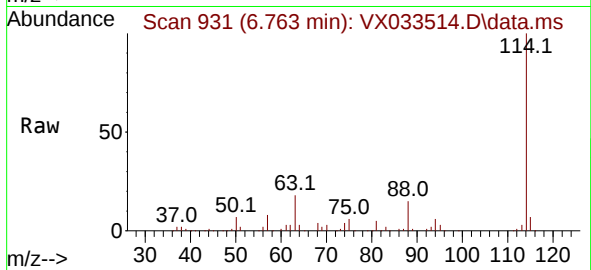




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

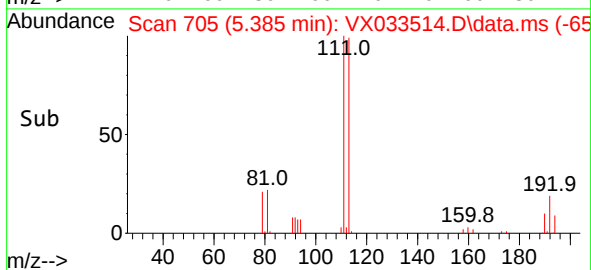
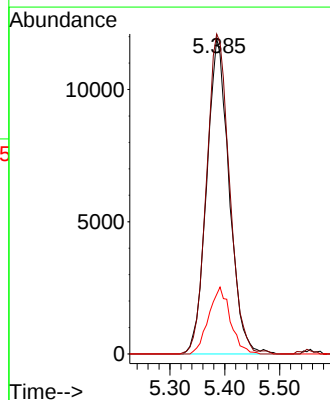
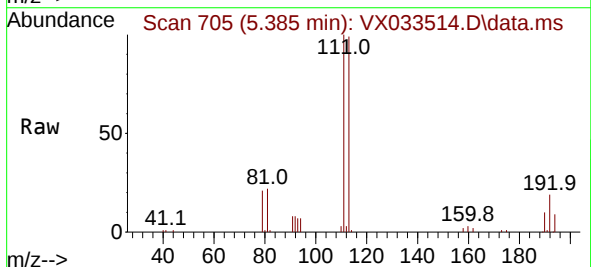
Instrument :
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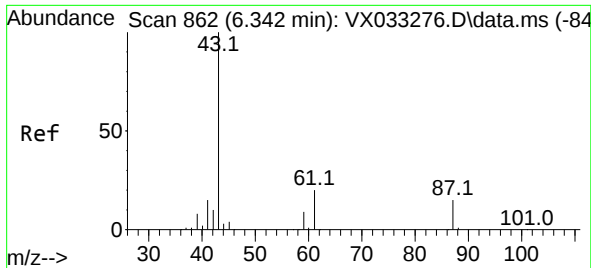
Tgt Ion:114 Resp: 149162
Ion Ratio Lower Upper
114 100
63 18.2 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.595 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

Tgt Ion:113 Resp: 33944
Ion Ratio Lower Upper
113 100
111 103.6 82.4 123.6
192 20.5 15.4 23.2

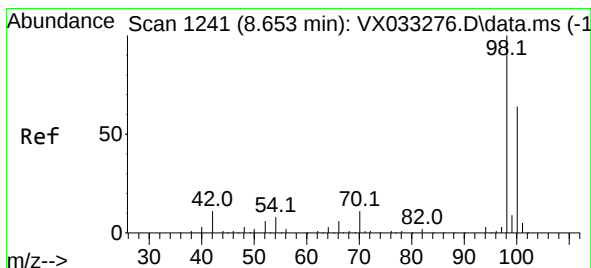
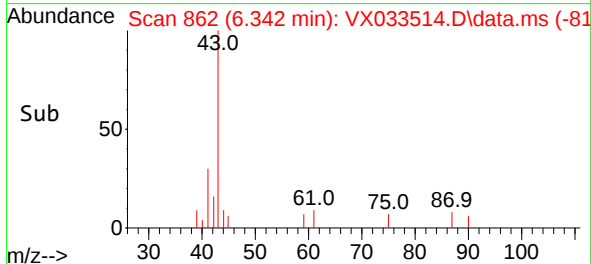
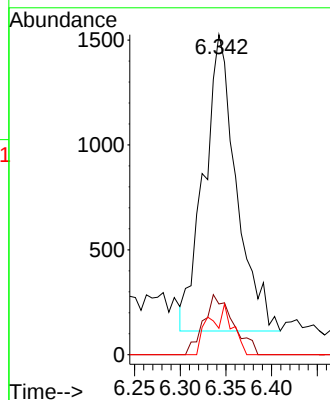
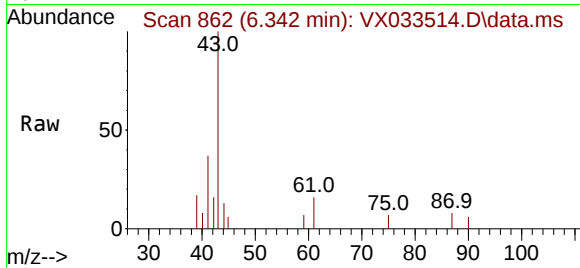




#43
Isopropyl Acetate
Concen: 1.757 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

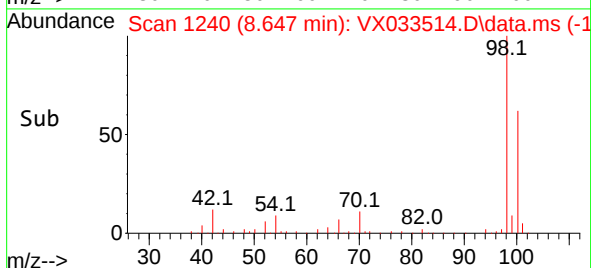
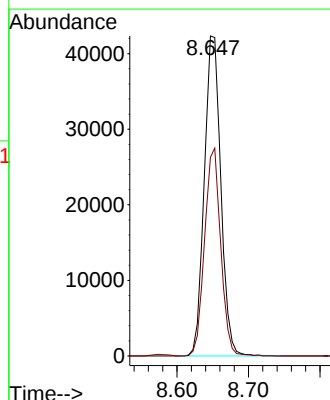
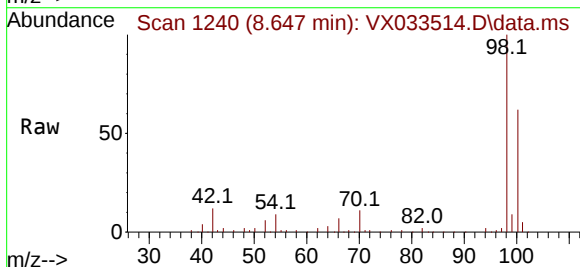
Instrument :
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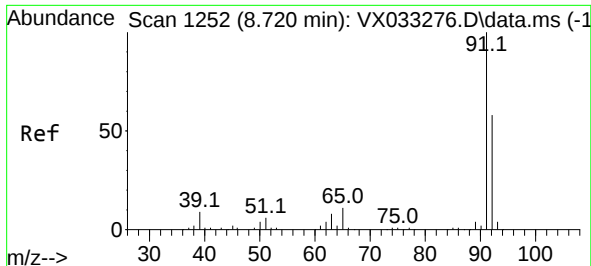
Tgt Ion: 43	Resp:	3496
Ion Ratio	Lower	Upper
43	100	
61	18.4	15.4 23.0
87	12.1	10.8 16.2



#50
Toluene-d8
Concen: 48.553 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033514.D
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Tgt Ion: 98	Resp:	68143
Ion Ratio	Lower	Upper
98	100	
100	63.3	50.9 76.3

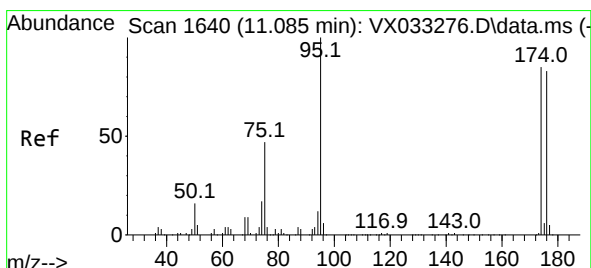
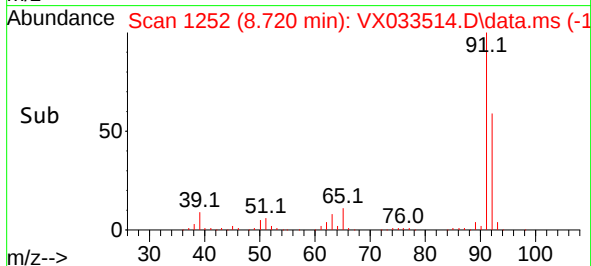
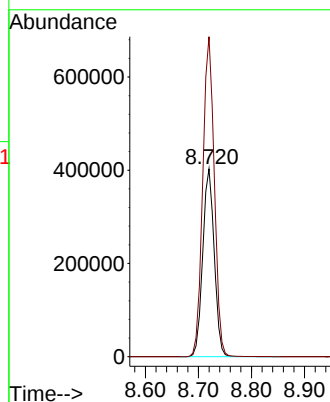
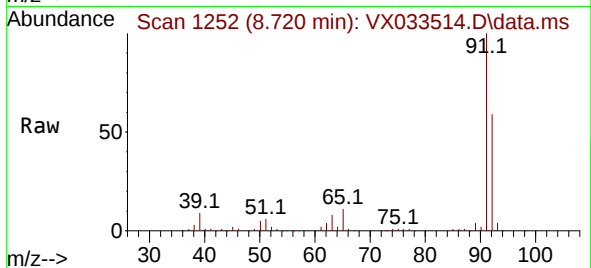




#52
Toluene
Concen: 246.403 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

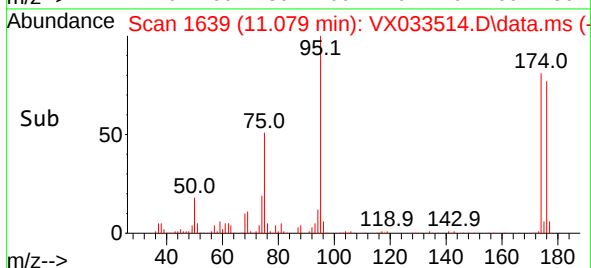
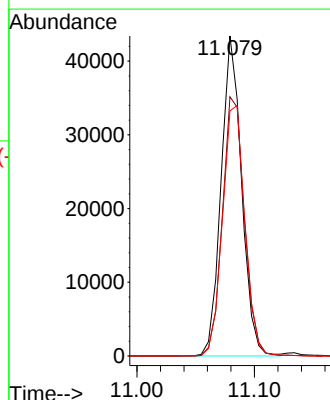
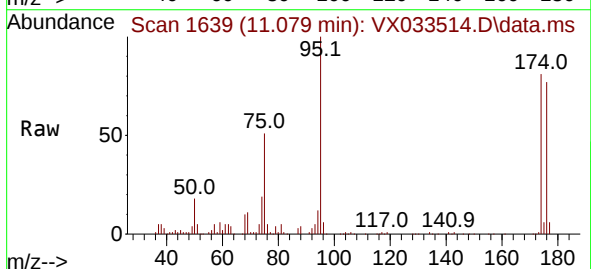
Instrument :
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RING-1

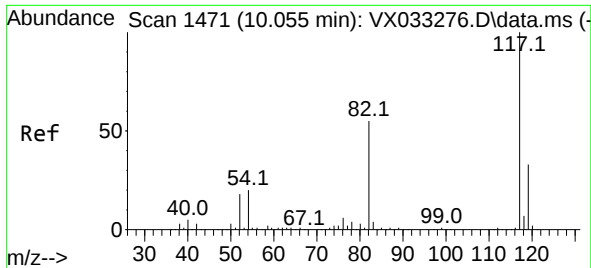
Tgt Ion: 92 Resp: 607587
Ion Ratio Lower Upper
92 100
91 171.6 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 48.994 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

Tgt Ion: 95 Resp: 52577
Ion Ratio Lower Upper
95 100
174 86.8 0.0 164.0
176 85.5 0.0 154.4

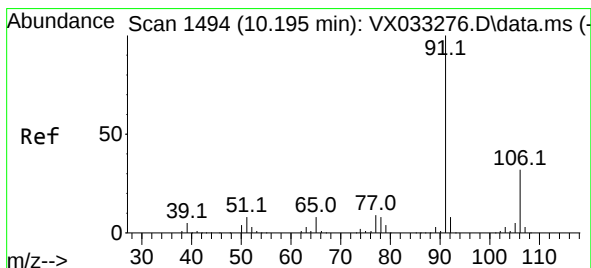
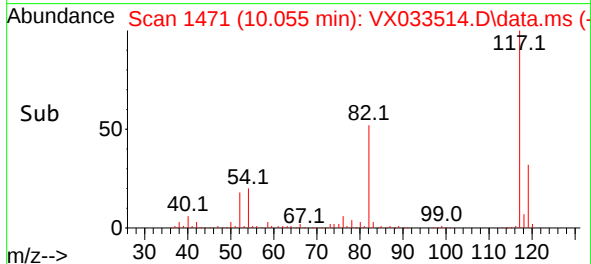
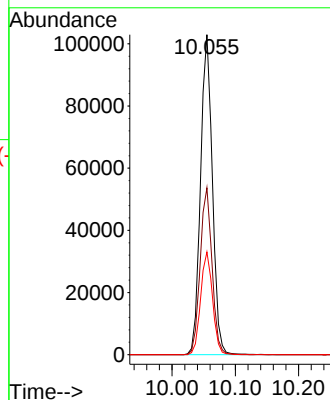
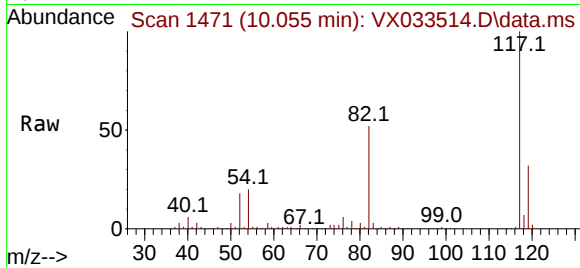




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

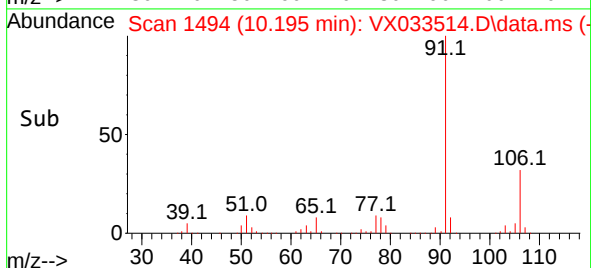
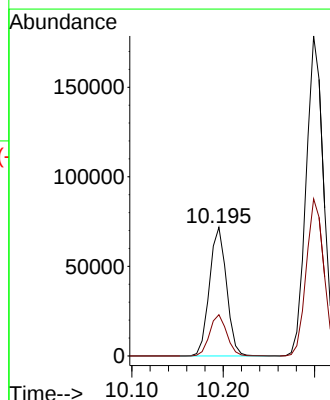
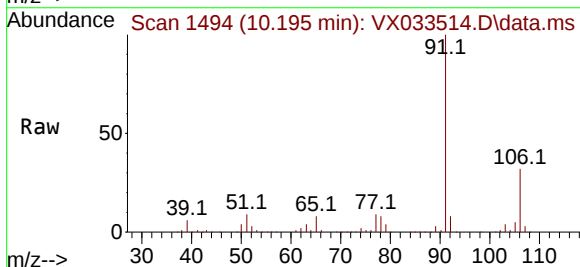
Instrument :
MSVOA_X
ClientSampleId :
RING-1

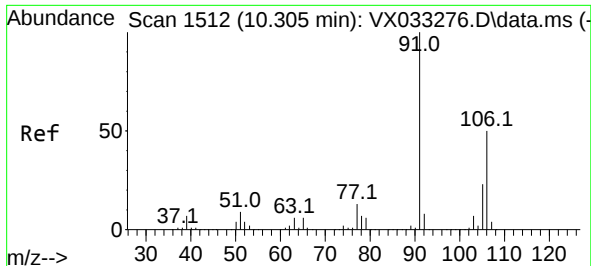
Tgt Ion:117 Resp: 134304
Ion Ratio Lower Upper
117 100
82 52.1 44.3 66.5
119 32.1 25.7 38.5



#67
Ethyl Benzene
Concen: 19.646 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

Tgt Ion: 91 Resp: 93082
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.6

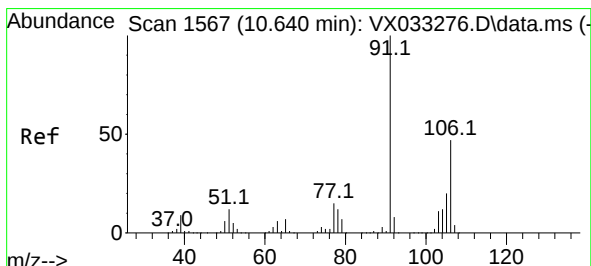
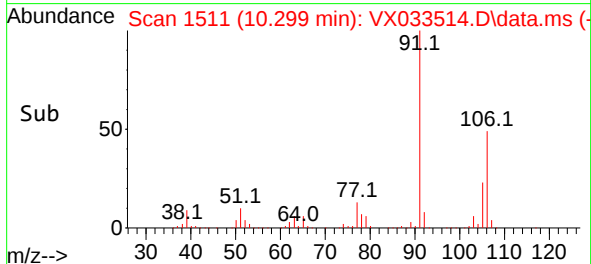
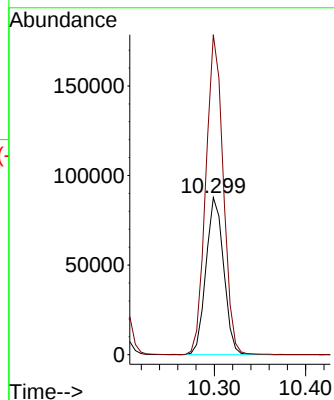
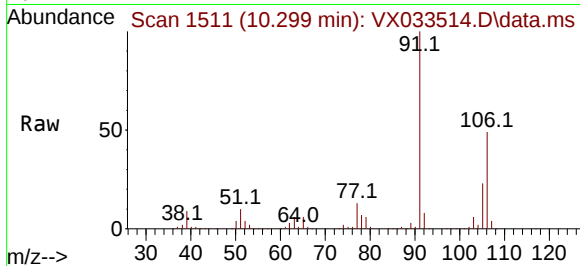




#68
m/p-Xylenes
Concen: 63.786 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

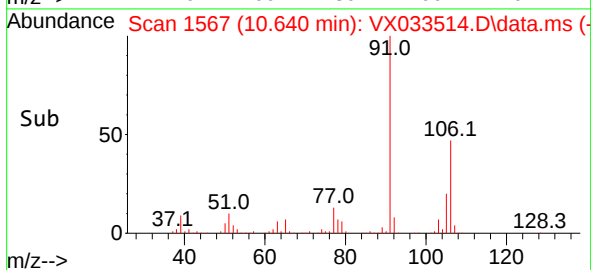
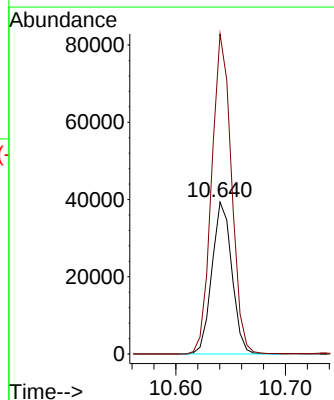
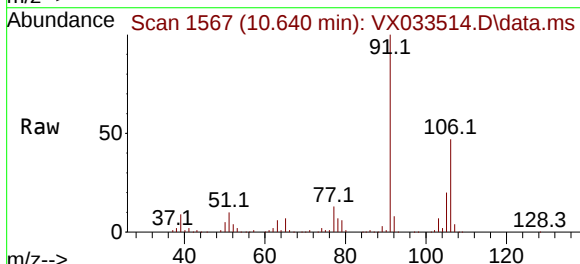
Instrument :
MSVOA_X
ClientSampleId :
RING-1

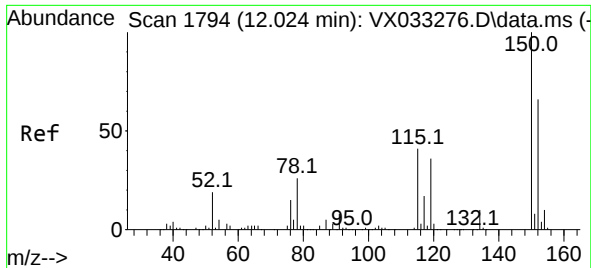
Tgt Ion:106 Resp: 117586
Ion Ratio Lower Upper
106 100
91 200.8 164.5 246.7



#69
o-Xylene
Concen: 27.214 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033514.D
Acq: 20 Dec 2022 17:35

Tgt Ion:106 Resp: 49587
Ion Ratio Lower Upper
106 100
91 210.3 109.2 327.6

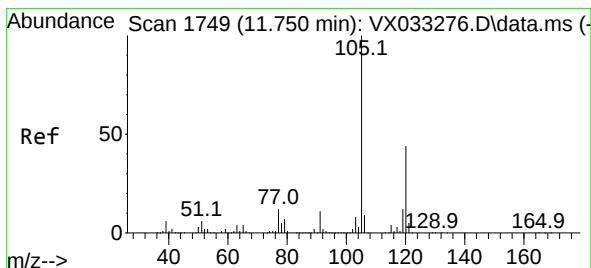
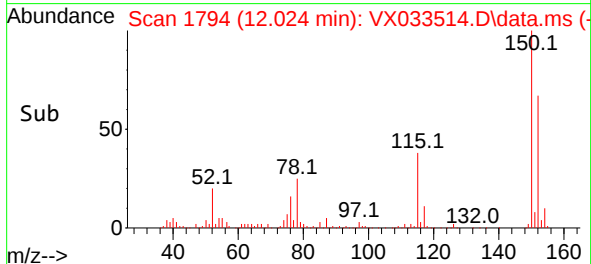
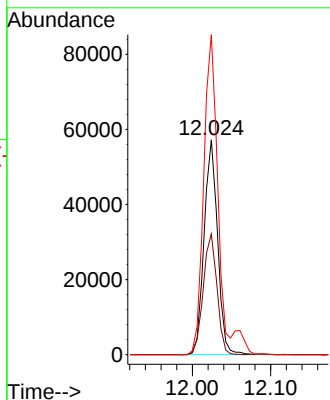
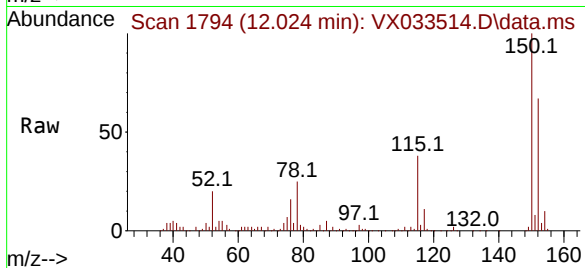




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX033514.D
 Acq: 20 Dec 2022 17:35

Instrument :
 MSVOA_X
 ClientSampleId :
 RING-1

Tgt Ion:152 Resp: 68293
 Ion Ratio Lower Upper
 152 100
 115 57.0 44.0 132.0
 150 152.2 0.0 351.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.177 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX033514.D
 Acq: 20 Dec 2022 17:35

Tgt Ion:105 Resp: 8954
 Ion Ratio Lower Upper
 105 100
 120 39.7 21.9 65.5

