

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033508.D
 Acq On : 20 Dec 2022 15:17
 Operator : JC/MD
 Sample : N6149-06 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WANA-1

Quant Time: Dec 21 04:15:03 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)

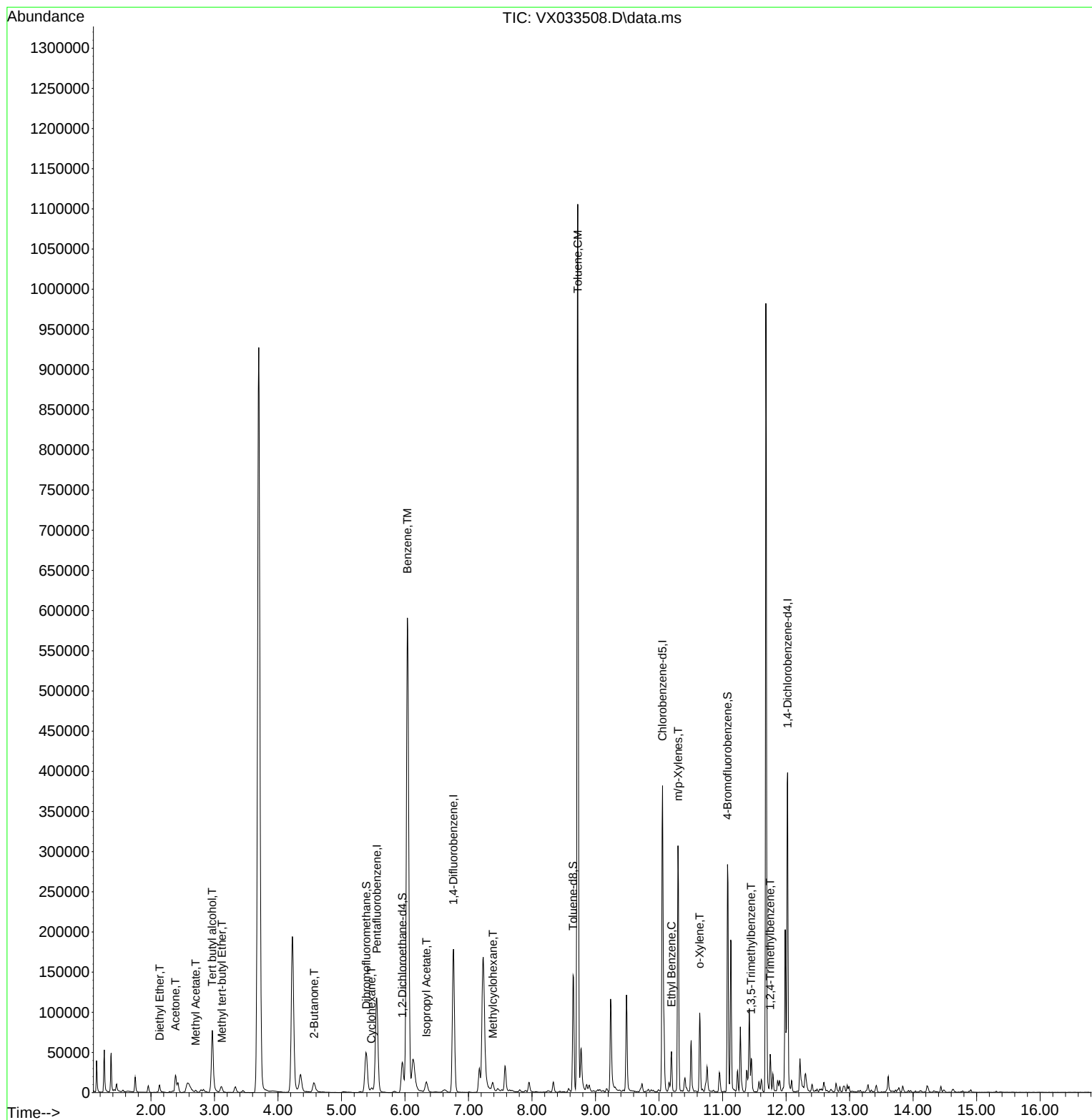
Internal Standards						
1) Pentafluorobenzene	5.556	168	117158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38603	51.360	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 102.720%		
35) Dibromofluoromethane	5.391	113	44983	52.846	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.700%		
50) Toluene-d8	8.647	98	92170	51.761	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 103.520%		
62) 4-Bromofluorobenzene	11.079	95	75897	55.744	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 111.480%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	3176	4.335	ug/l #	31
11) Tert butyl alcohol	2.965	59	14834	64.554	ug/l #	90
16) Acetone	2.386	43	25393	45.657	ug/l	99
18) Methyl Acetate	2.703	43	2891	1.796	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	5232	1.422	ug/l #	61
25) 2-Butanone	4.568	43	13972	17.501	ug/l	96
31) Cyclohexane	5.471	56	3619	2.026	ug/l #	96
39) Methylcyclohexane	7.385	83	4568	2.459	ug/l	89
40) Benzene	6.037	78	730547	150.978	ug/l	100
43) Isopropyl Acetate	6.336	43	7217	2.859	ug/l #	92
52) Toluene	8.720	92	415384	132.774	ug/l	100
67) Ethyl Benzene	10.195	91	28727	4.589	ug/l	97
68) m/p-Xylenes	10.299	106	71020	29.162	ug/l	98
69) o-Xylene	10.640	106	21468	8.918	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	11332	2.178	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	19483	3.751	ug/l	99

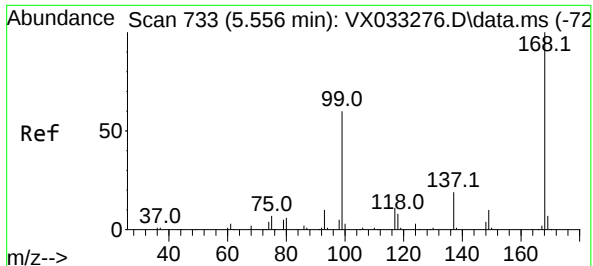
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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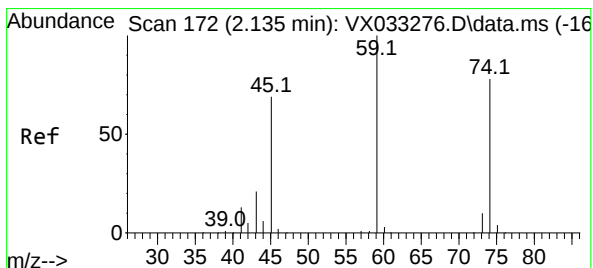
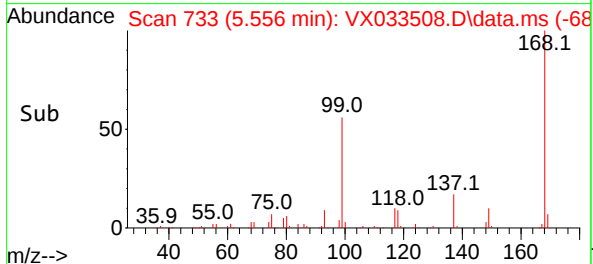
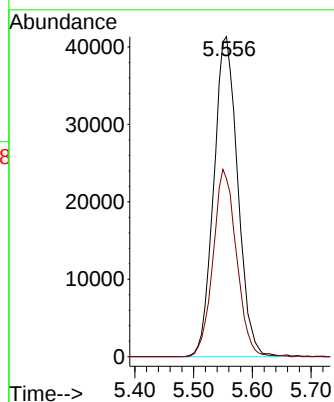
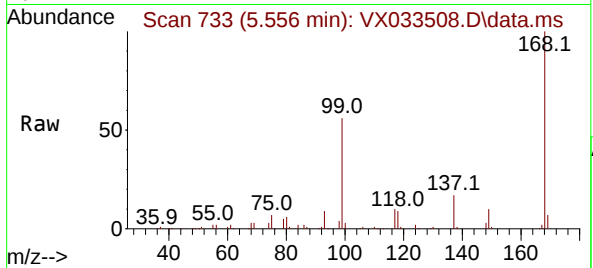




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

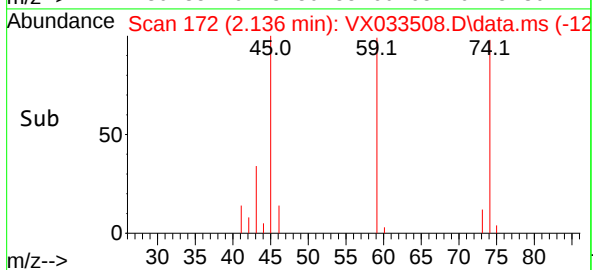
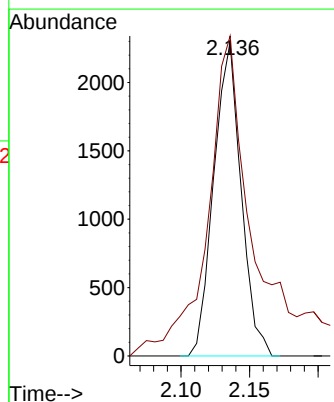
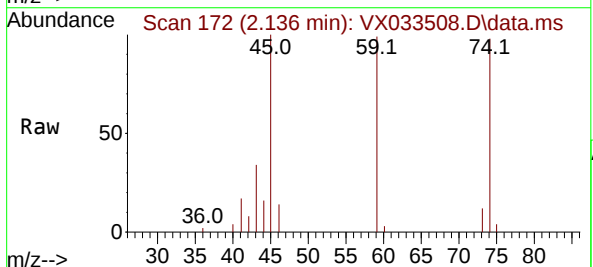
Instrument :
MSVOA_X
ClientSampleId :
WANA-1

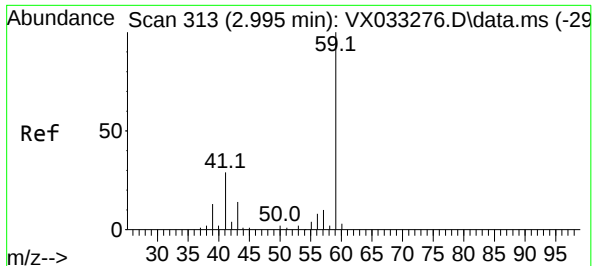
Tgt Ion:168 Resp: 117158
Ion Ratio Lower Upper
168 100
99 55.7 46.1 69.1



#8
Diethyl Ether
Concen: 4.335 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

Tgt Ion: 74 Resp: 3176
Ion Ratio Lower Upper
74 100
45 159.1 46.6 139.7#





#11

Tert butyl alcohol

Concen: 64.554 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.030 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

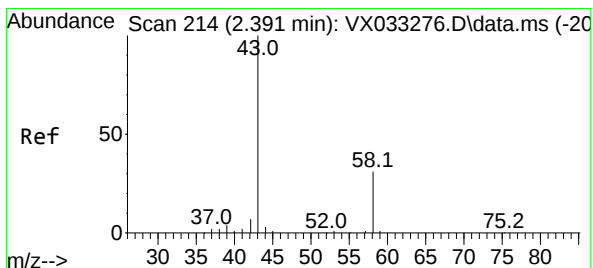
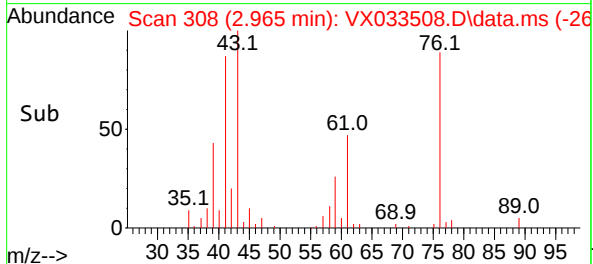
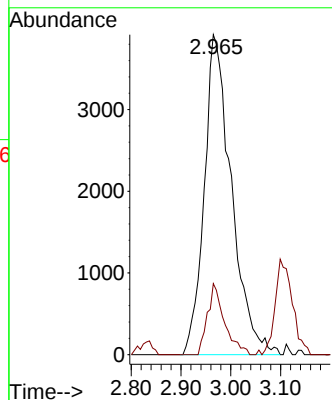
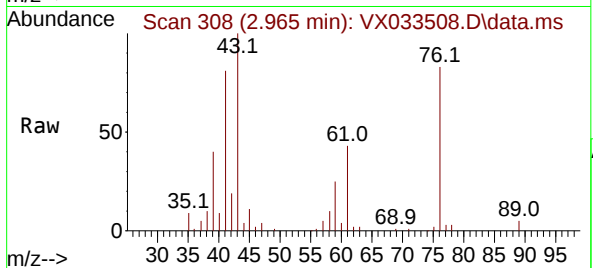
WANA-1

Tgt Ion: 59 Resp: 14834

Ion Ratio Lower Upper

59 100

57 13.9 8.2 12.4#



#16

Acetone

Concen: 45.657 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033508.D

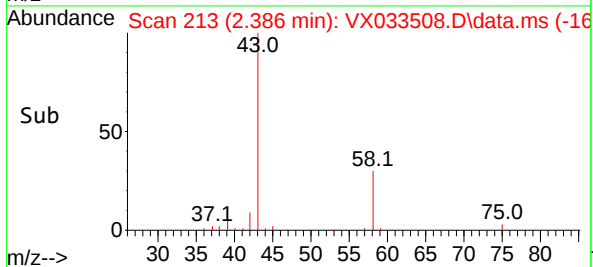
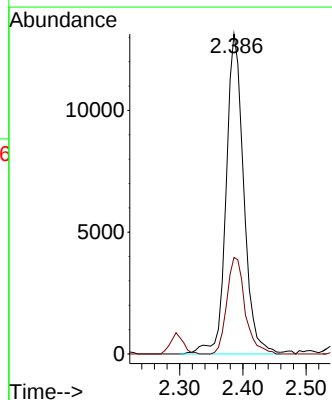
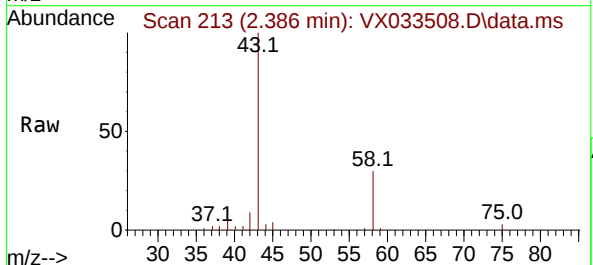
Acq: 20 Dec 2022 15:17

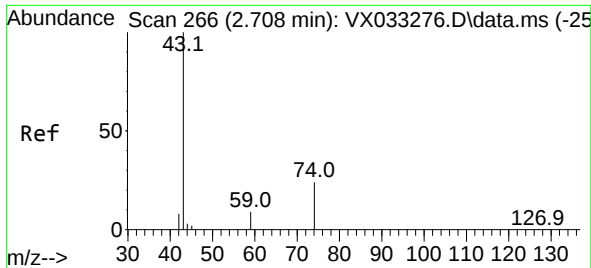
Tgt Ion: 43 Resp: 25393

Ion Ratio Lower Upper

43 100

58 30.2 23.8 35.8

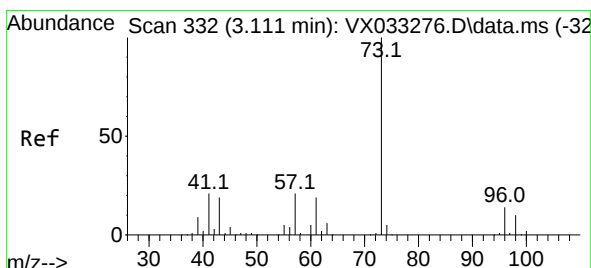
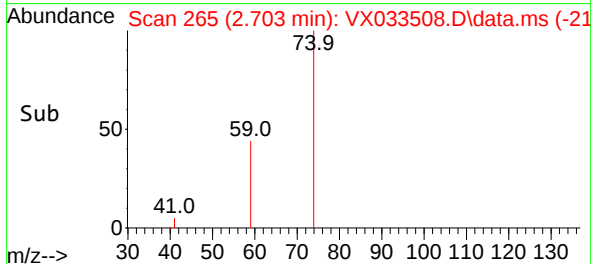
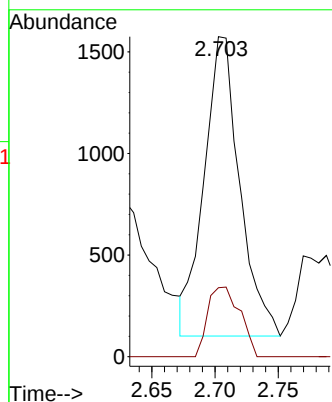
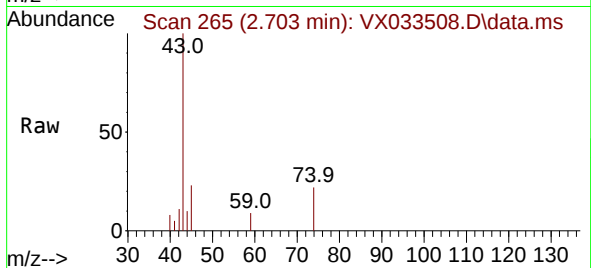




#18
Methyl Acetate
Concen: 1.796 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

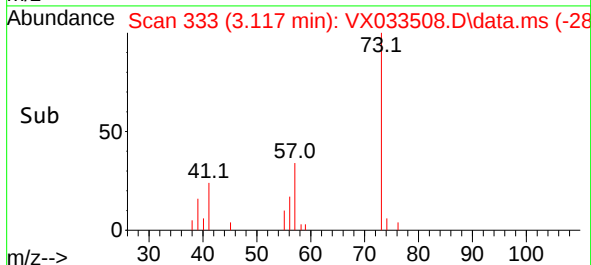
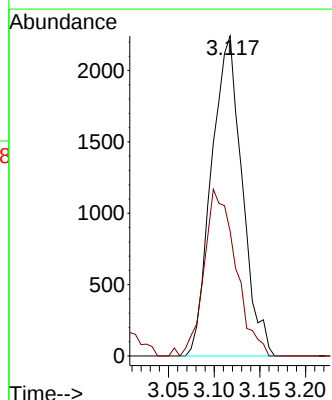
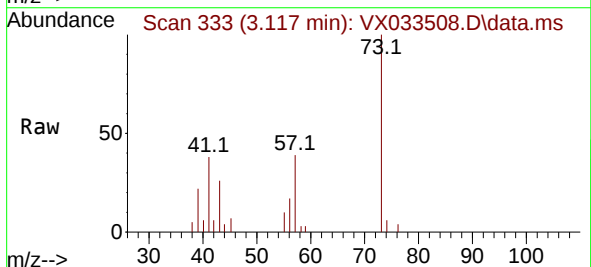
Instrument :
MSVOA_X
ClientSampleId :
WANA-1

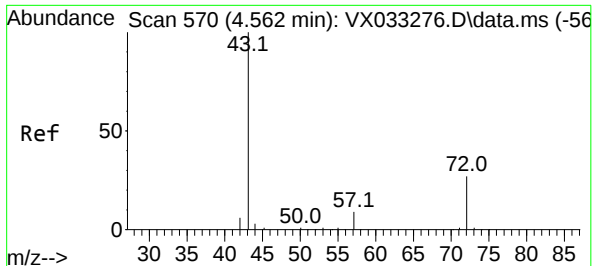
Tgt Ion: 43 Resp: 2891
Ion Ratio Lower Upper
43 100
74 21.0 19.4 29.0



#19
Methyl tert-butyl Ether
Concen: 1.422 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

Tgt Ion: 73 Resp: 5232
Ion Ratio Lower Upper
73 100
57 39.0 16.6 25.0#





#25

2-Butanone

Concen: 17.501 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

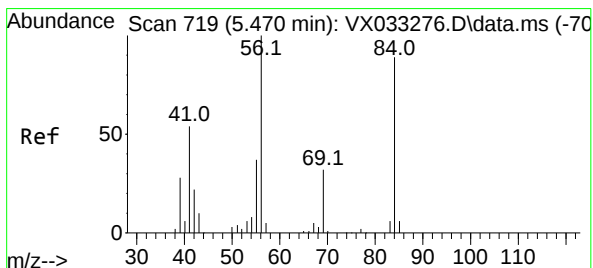
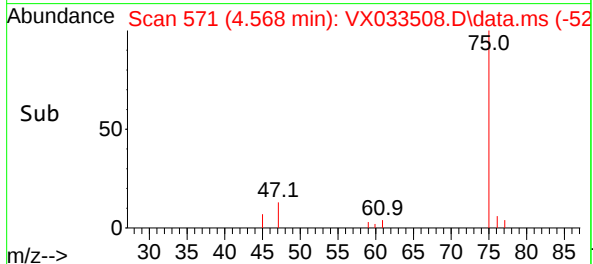
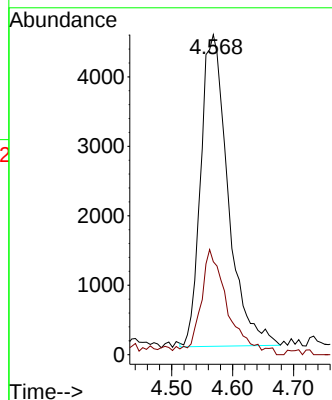
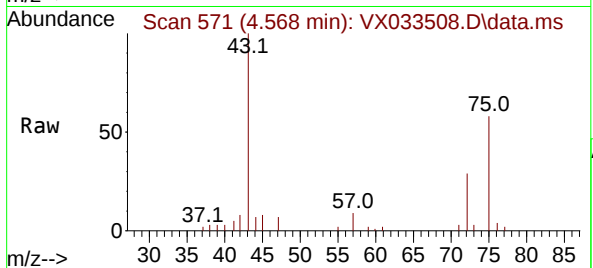
WANA-1

Tgt Ion: 43 Resp: 13972

Ion Ratio Lower Upper

43 100

72 30.0 22.2 33.2



#31

Cyclohexane

Concen: 2.026 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.000 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

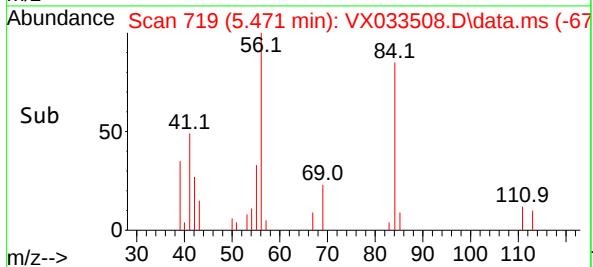
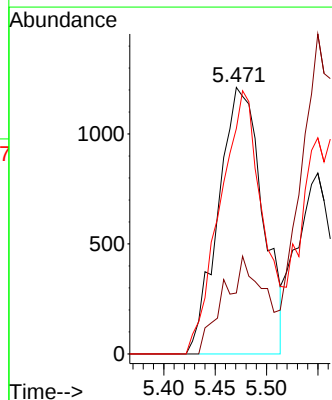
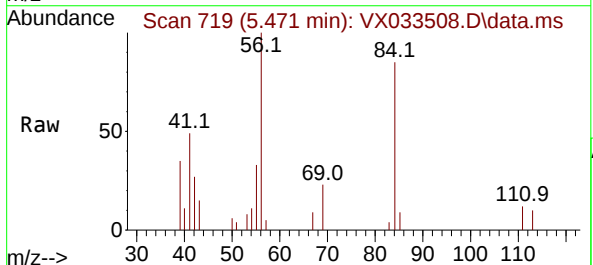
Tgt Ion: 56 Resp: 3619

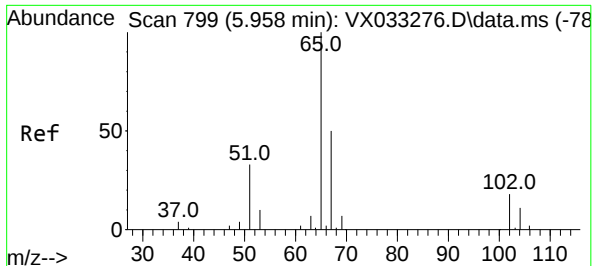
Ion Ratio Lower Upper

56 100

69 22.9 24.1 36.1#

84 84.6 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 51.360 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

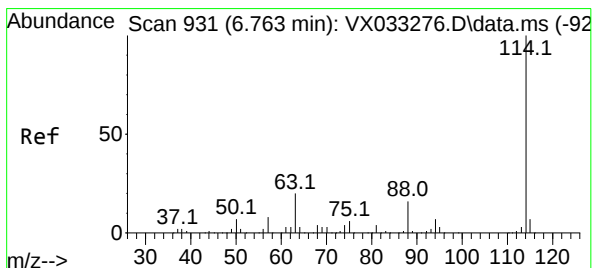
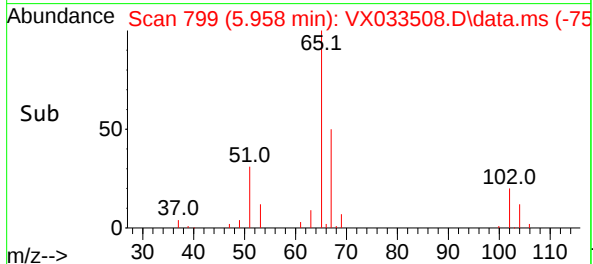
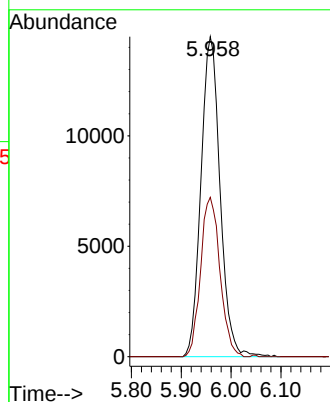
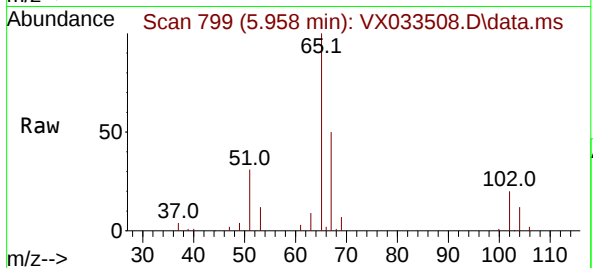
WANA-1

Tgt Ion: 65 Resp: 38603

Ion Ratio Lower Upper

65 100

67 50.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

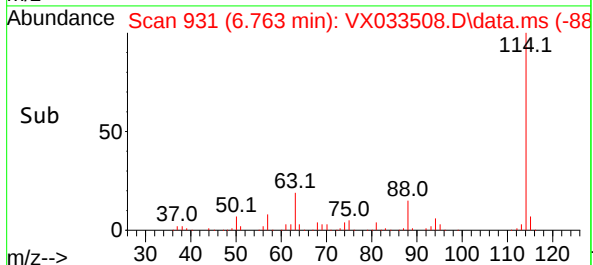
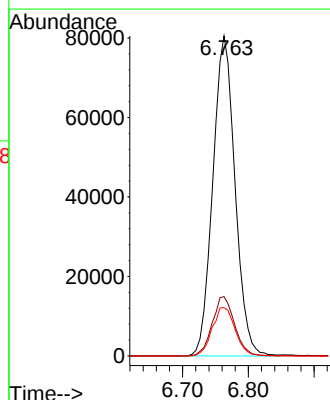
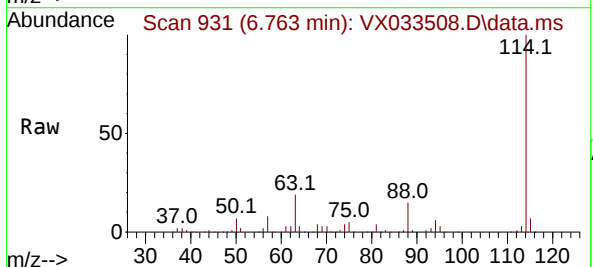
Tgt Ion: 114 Resp: 189249

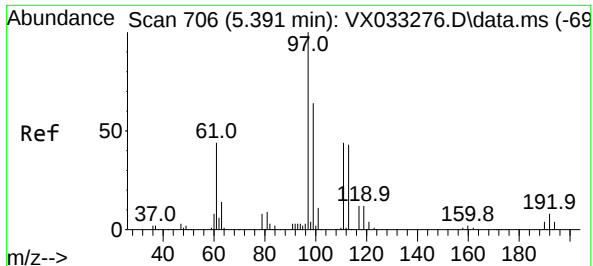
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.6

88 15.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.846 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX033508.D

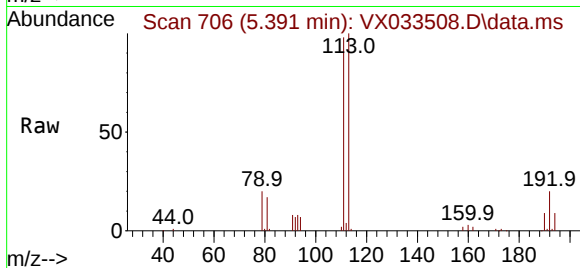
Acq: 20 Dec 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

WANA-1



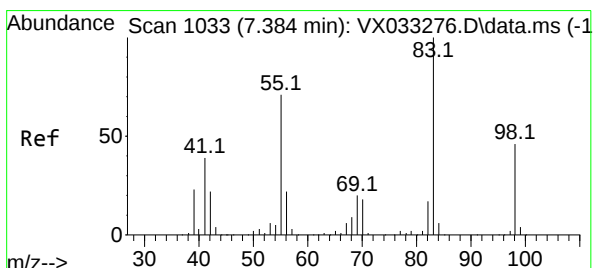
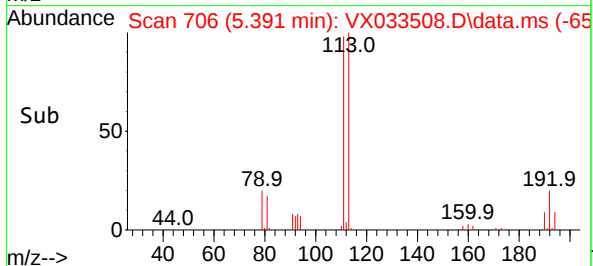
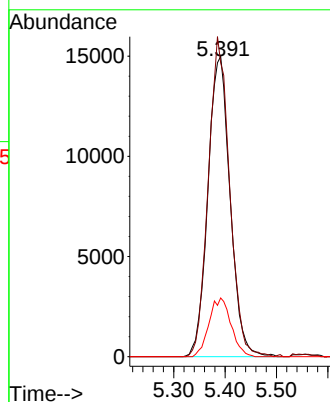
Tgt Ion:113 Resp: 44983

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

192 19.4 15.4 23.2



#39

Methylcyclohexane

Concen: 2.459 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

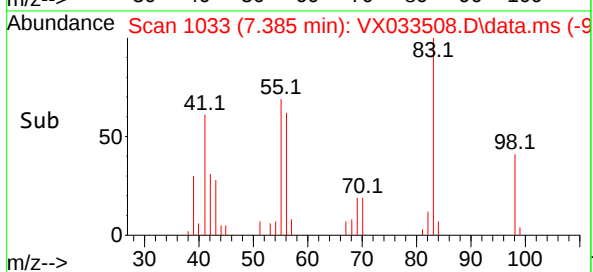
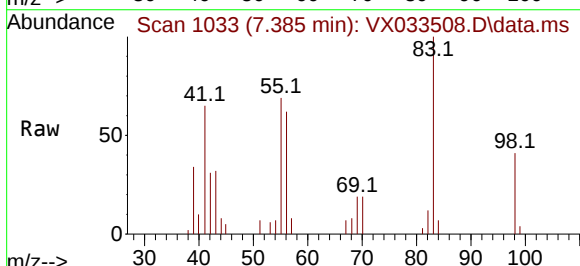
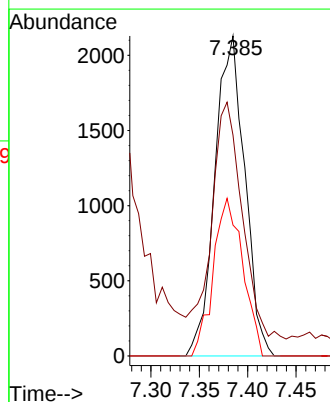
Tgt Ion: 83 Resp: 4568

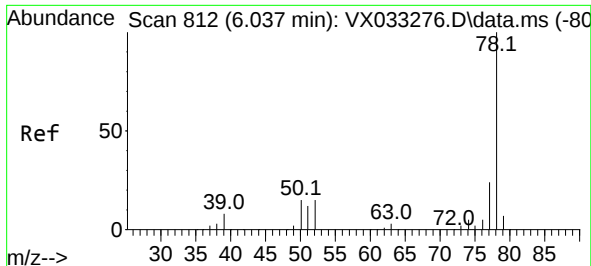
Ion Ratio Lower Upper

83 100

55 62.8 58.4 87.6

98 40.9 37.2 55.8

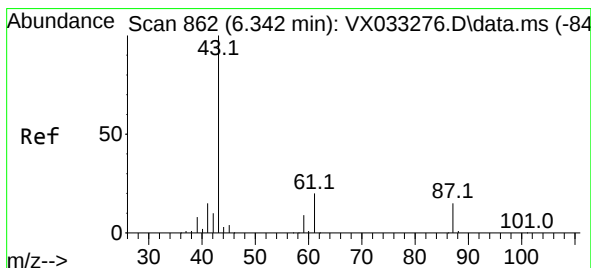
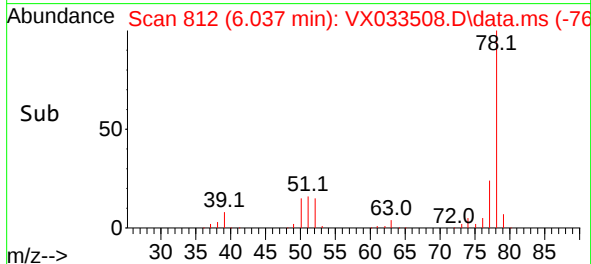
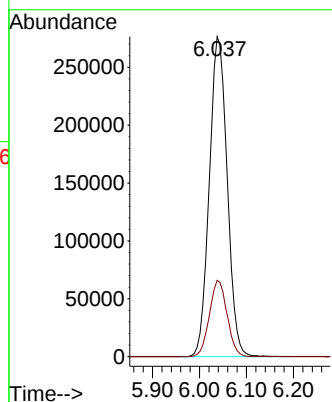
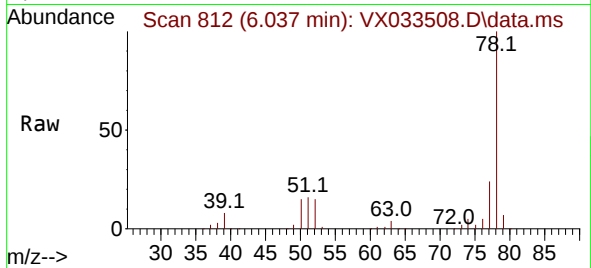




#40
Benzene
Concen: 150.978 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

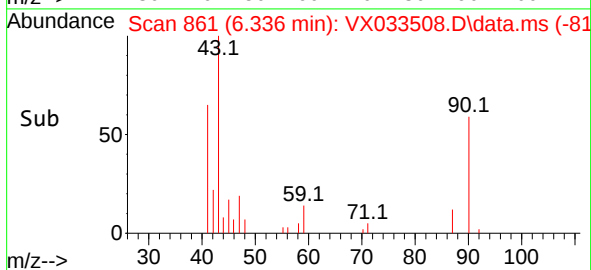
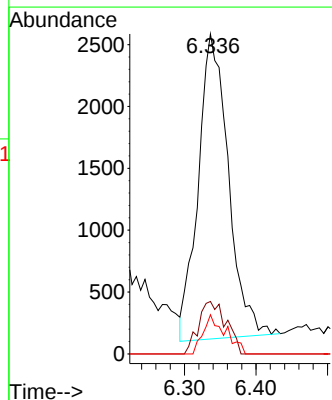
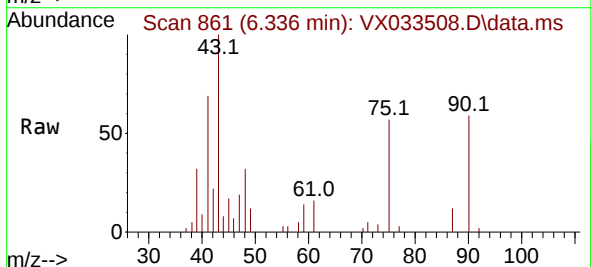
Instrument :
MSVOA_X
ClientSampleId :
WANA-1

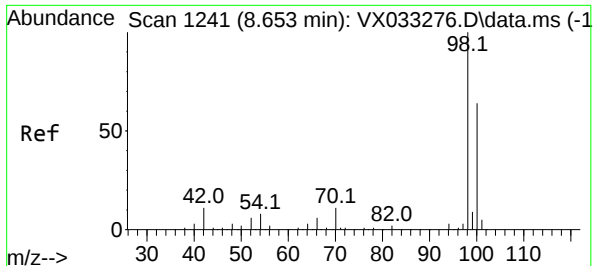
Tgt Ion: 78 Resp: 730547
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4



#43
Isopropyl Acetate
Concen: 2.859 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

Tgt Ion: 43 Resp: 7217
Ion Ratio Lower Upper
43 100
61 15.9 15.4 23.0
87 9.5 10.8 16.2#

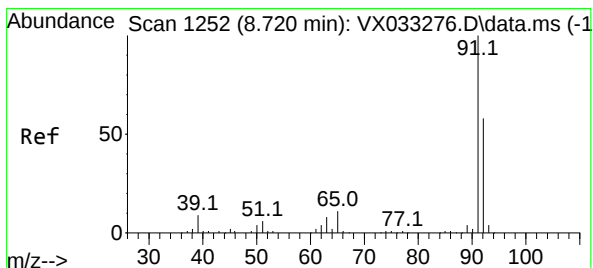
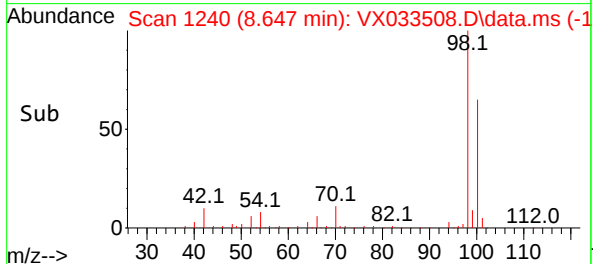
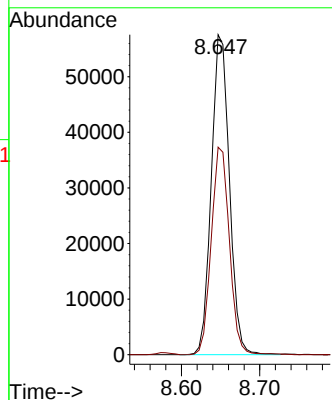
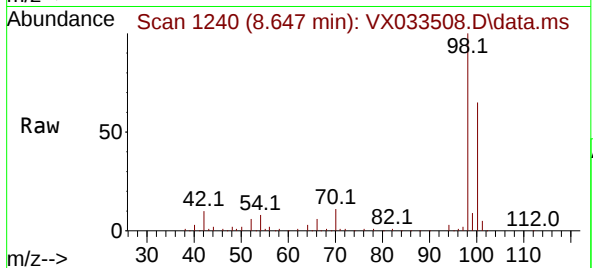




#50
Toluene-d8
Concen: 51.761 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

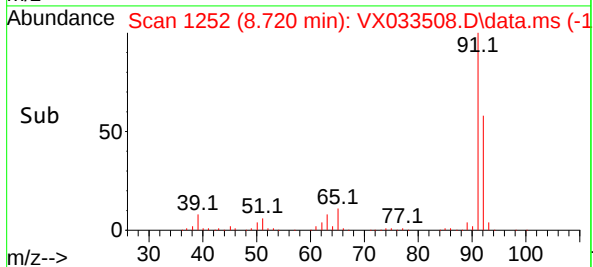
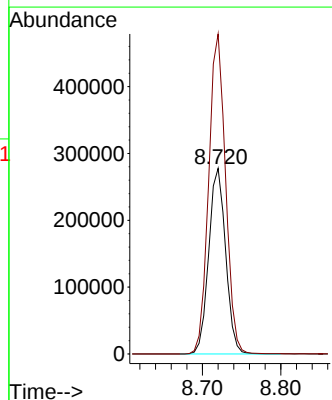
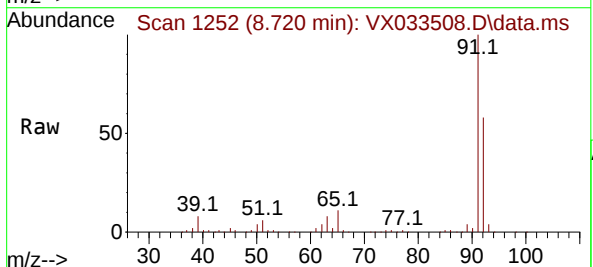
Instrument :
MSVOA_X
ClientSampleId :
WANA-1

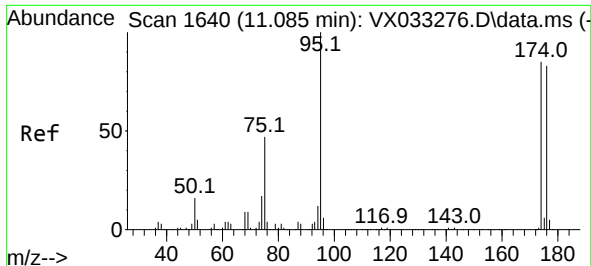
Tgt Ion: 98 Resp: 92170
Ion Ratio Lower Upper
98 100
100 65.2 50.9 76.3



#52
Toluene
Concen: 132.774 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

Tgt Ion: 92 Resp: 415384
Ion Ratio Lower Upper
92 100
91 172.5 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 55.744 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

WANA-1

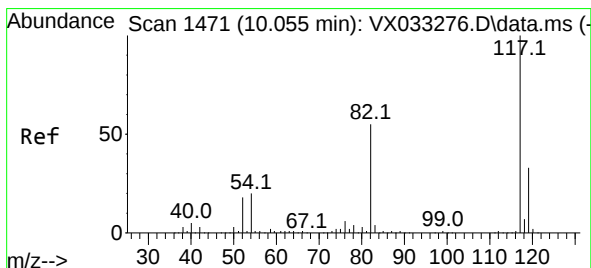
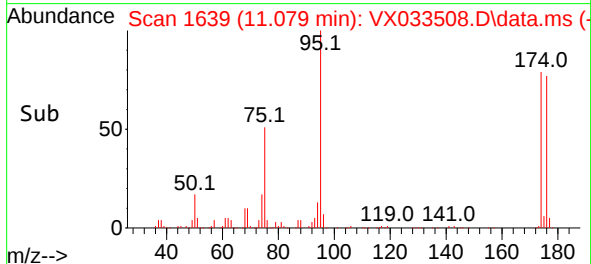
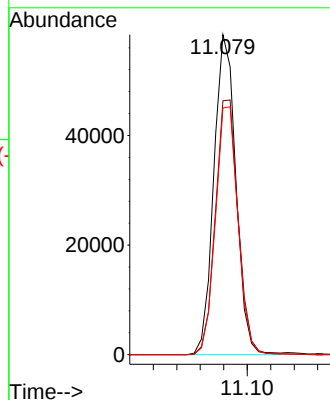
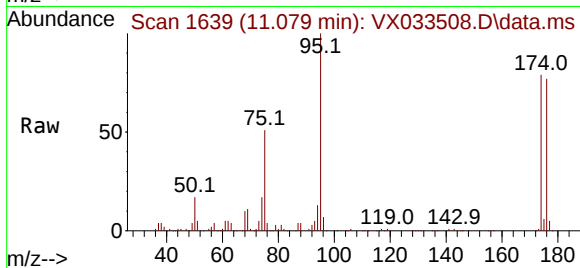
Tgt Ion: 95 Resp: 75897

Ion Ratio Lower Upper

95 100

174 82.4 0.0 164.0

176 79.7 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: VX033508.D

Acq: 20 Dec 2022 15:17

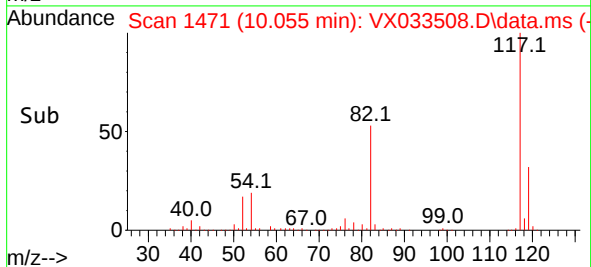
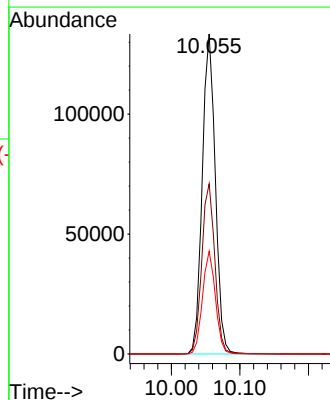
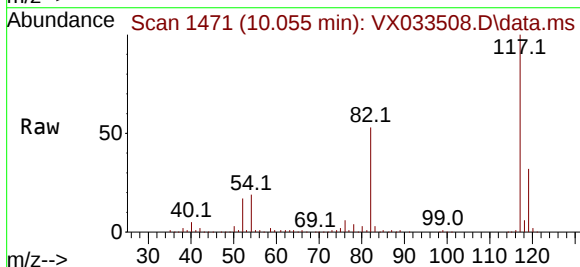
Tgt Ion: 117 Resp: 177432

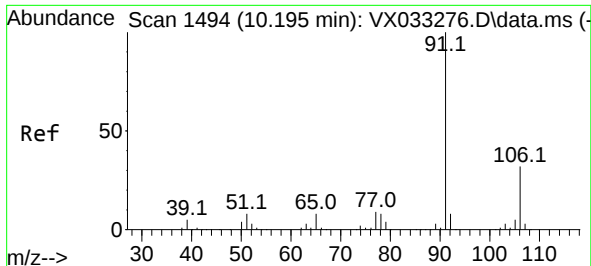
Ion Ratio Lower Upper

117 100

82 53.2 44.3 66.5

119 32.1 25.7 38.5





#67

Ethyl Benzene

Concen: 4.589 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX033508.D

Acq: 20 Dec 2022 15:17

Instrument :

MSVOA_X

ClientSampleId :

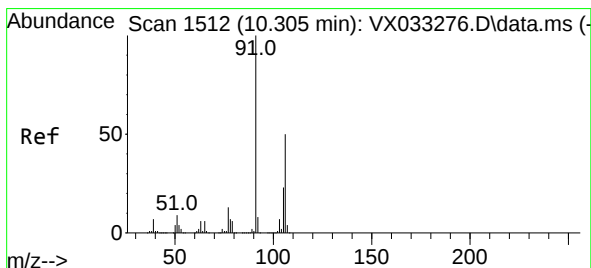
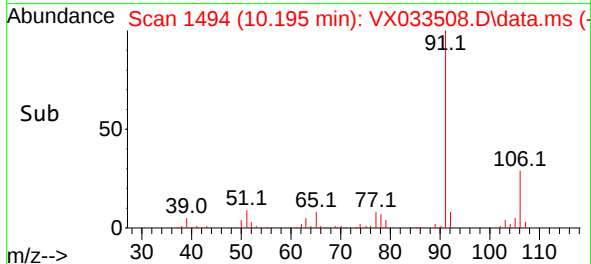
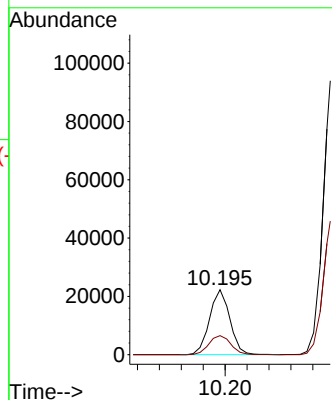
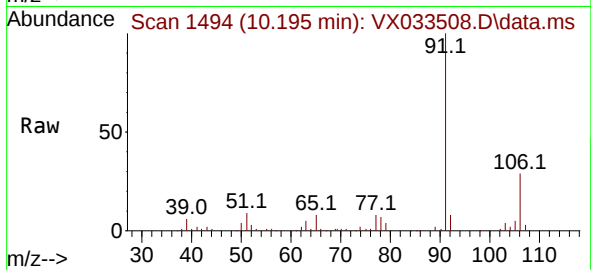
WANA-1

Tgt Ion: 91 Resp: 28727

Ion Ratio Lower Upper

91 100

106 29.4 25.0 37.6



#68

m/p-Xylenes

Concen: 29.162 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.006 min

Lab File: VX033508.D

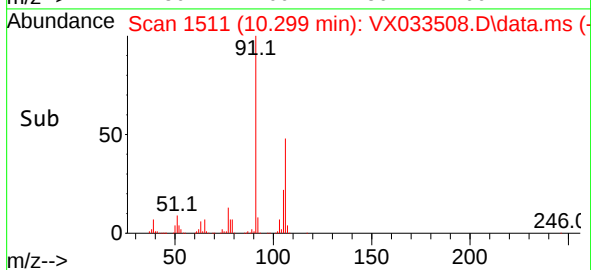
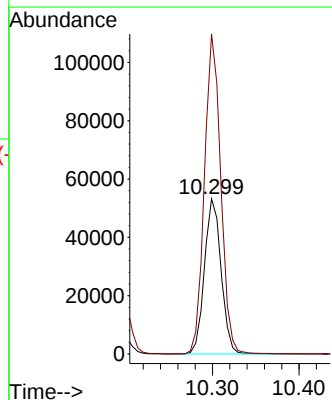
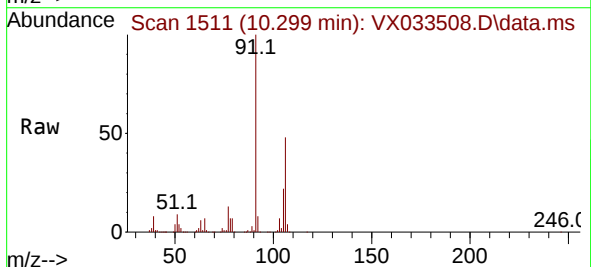
Acq: 20 Dec 2022 15:17

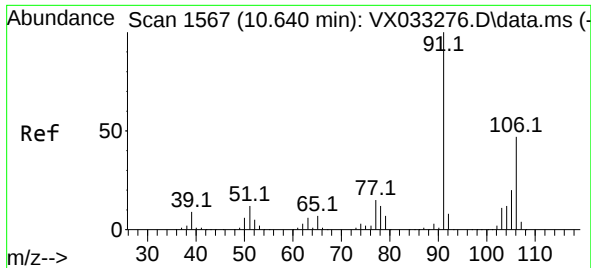
Tgt Ion:106 Resp: 71020

Ion Ratio Lower Upper

106 100

91 203.0 164.5 246.7

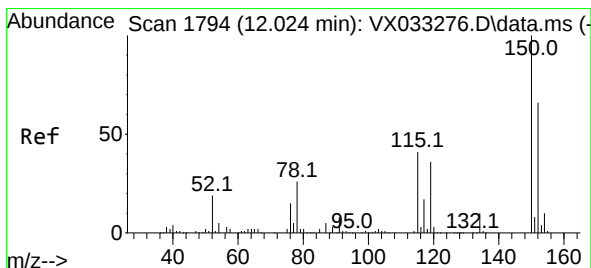
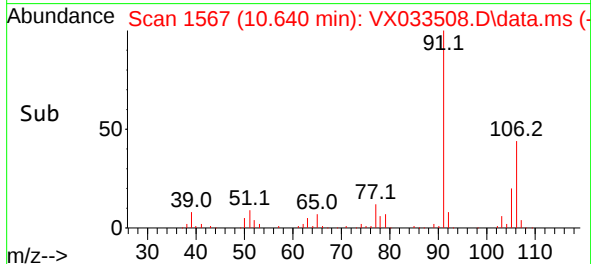
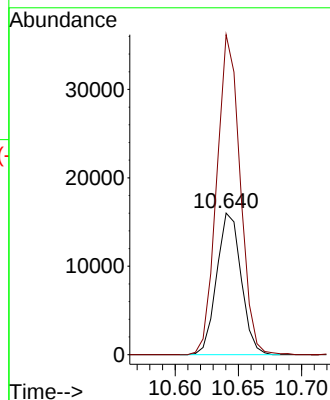
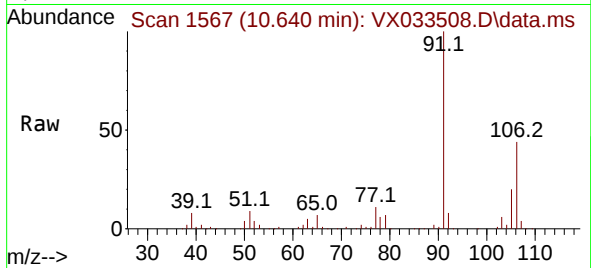




#69
o-Xylene
Concen: 8.918 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

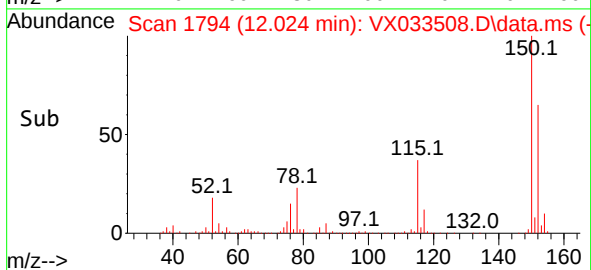
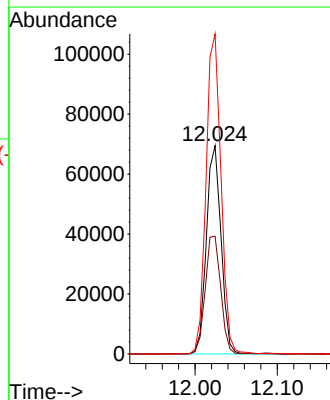
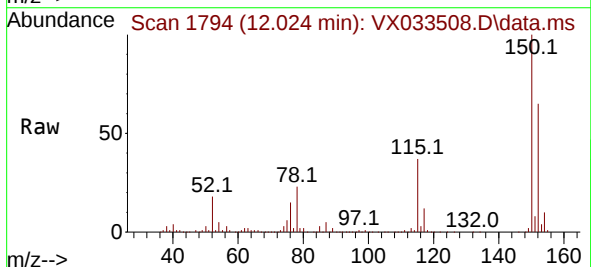
Instrument :
MSVOA_X
ClientSampleId :
WANA-1

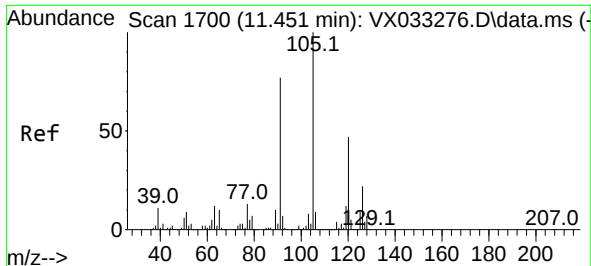
Tgt Ion:106 Resp: 21468
Ion Ratio Lower Upper
106 100
91 217.0 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033508.D
Acq: 20 Dec 2022 15:17

Tgt Ion:152 Resp: 86241
Ion Ratio Lower Upper
152 100
115 59.6 44.0 132.0
150 156.7 0.0 351.8

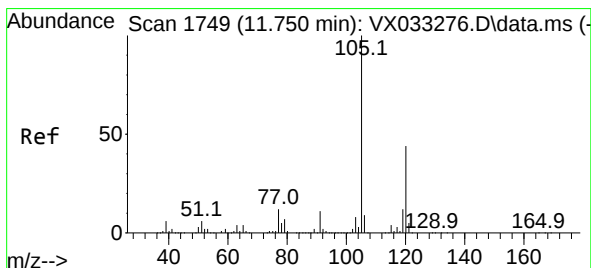
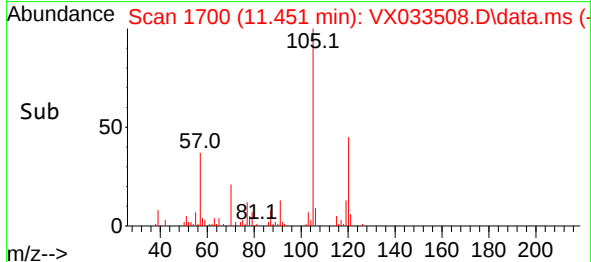
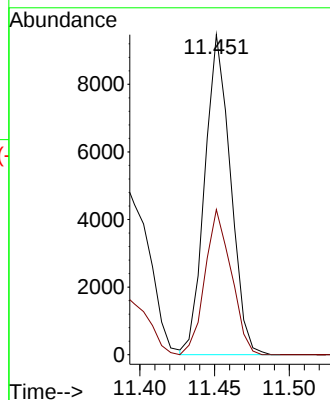
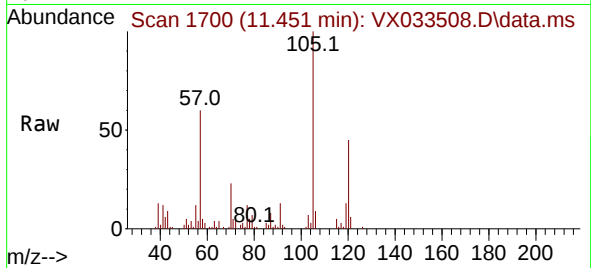




#80
 1,3,5-Trimethylbenzene
 Concen: 2.178 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX033508.D
 Acq: 20 Dec 2022 15:17

Instrument :
 MSVOA_X
 ClientSampleId :
 WANA-1

Tgt Ion:105 Resp: 11332
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.6 71.0



#84
 1,2,4-Trimethylbenzene
 Concen: 3.751 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX033508.D
 Acq: 20 Dec 2022 15:17

Tgt Ion:105 Resp: 19483
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.9 65.5

