

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033023\
 Data File : VX034850.D
 Acq On : 30 Mar 2023 14:19
 Operator : JC/MD
 Sample : 02091-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-2

Quant Time: Mar 31 01:32:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 30 11:02:25 2023
 Response via : Initial Calibration

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

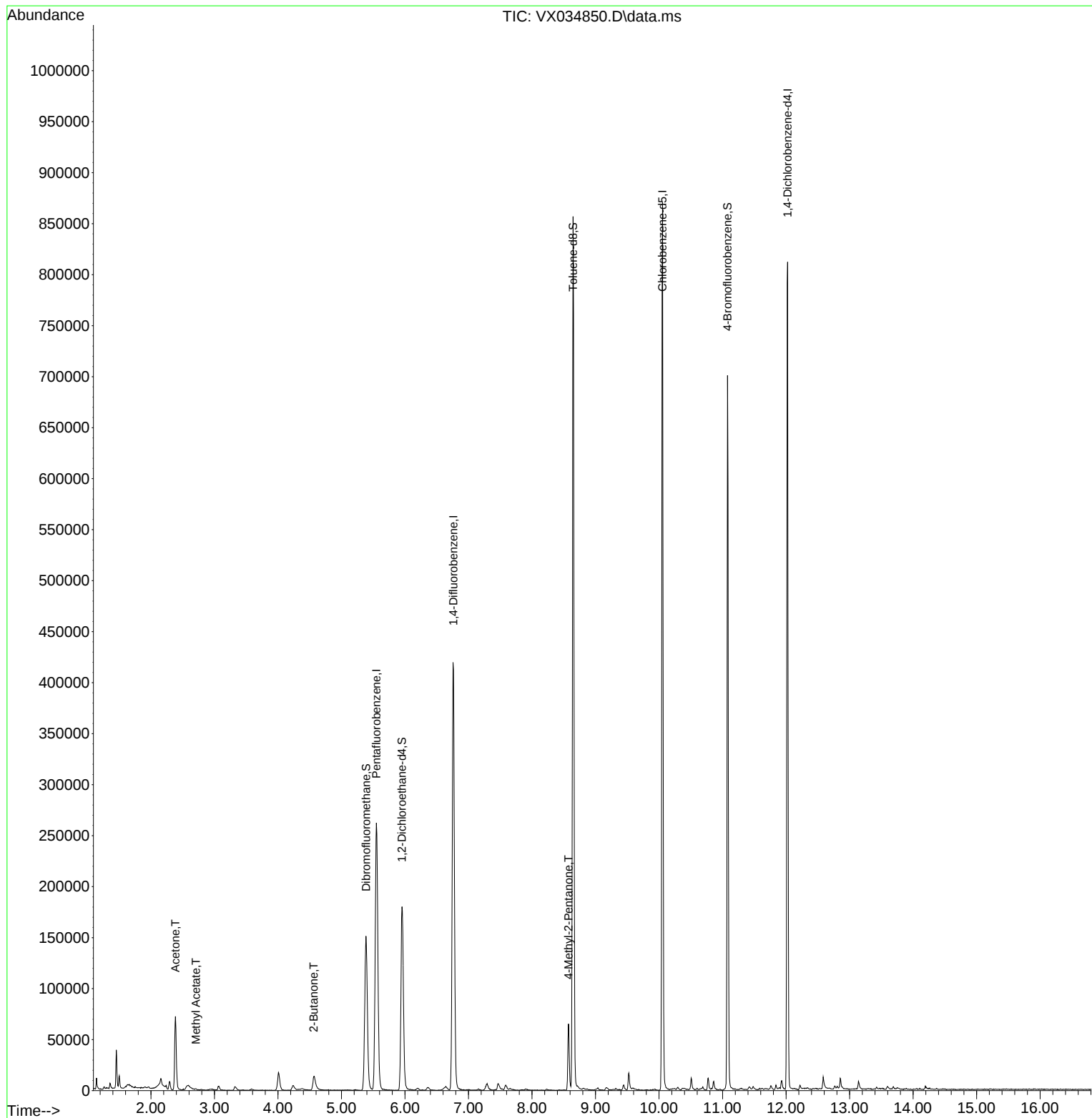
Internal Standards						
1) Pentafluorobenzene	5.550	168	241873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	414393	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	368100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	164071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	175833	47.534	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.060%
35) Dibromofluoromethane	5.385	113	129327	47.184	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.360%
50) Toluene-d8	8.647	98	499706	49.394	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.780%
62) 4-Bromofluorobenzene	11.079	95	178032	45.475	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.960%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	83907	56.052	ug/l	97
18) Methyl Acetate	2.709	43	1855	0.351	ug/l #	82
25) 2-Butanone	4.562	43	24524	11.289	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	40035	9.582	ug/l	98

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

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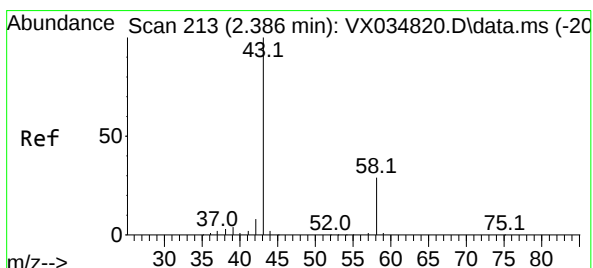
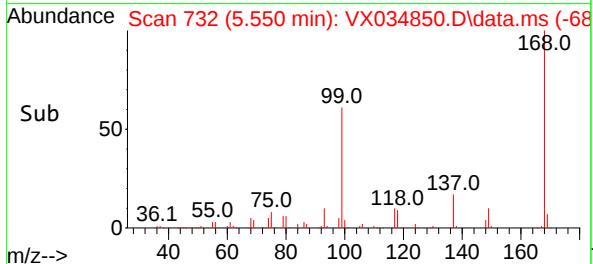
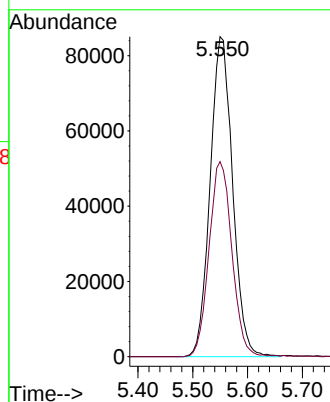
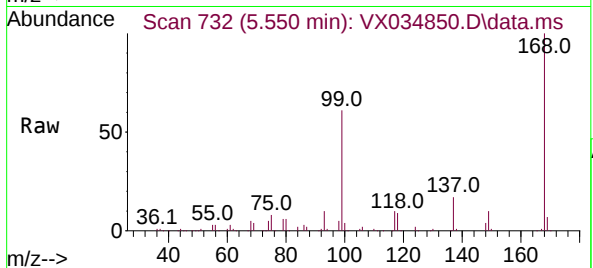




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

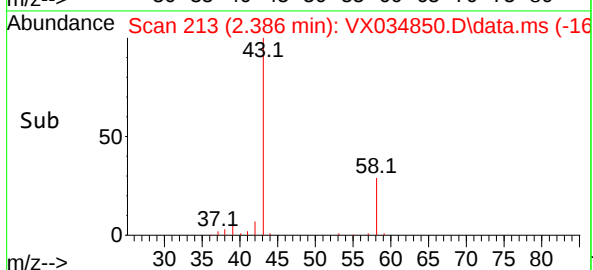
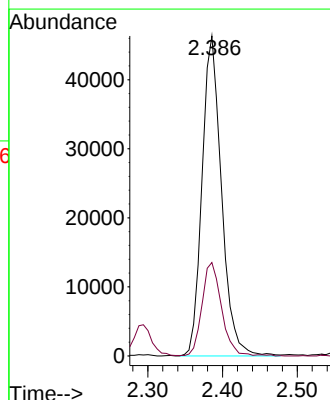
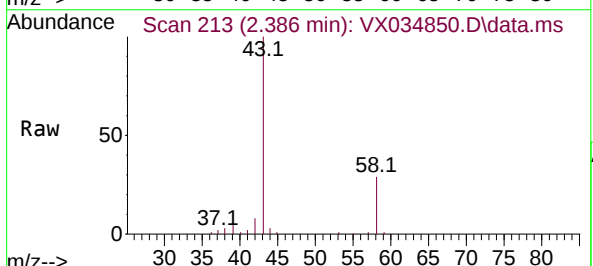
Instrument :
MSVOA_X
ClientSampleId :
OF-2

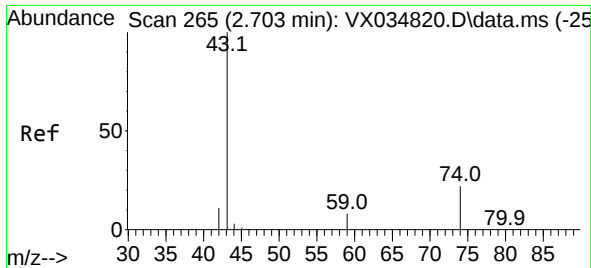
Tgt Ion:168 Resp: 241873
Ion Ratio Lower Upper
168 100
99 61.0 45.7 68.5



#16
Acetone
Concen: 56.052 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 43 Resp: 83907
Ion Ratio Lower Upper
43 100
58 29.1 24.7 37.1

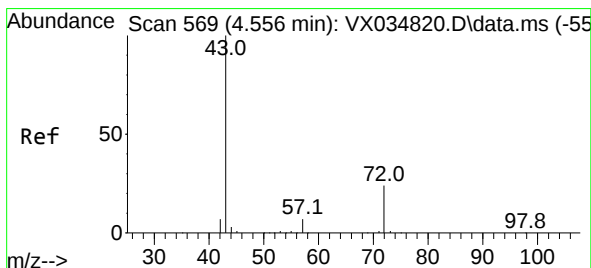
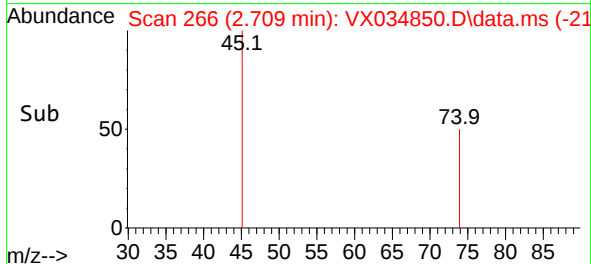
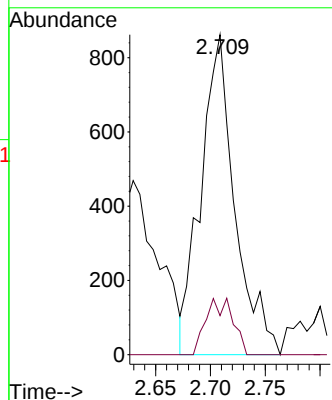
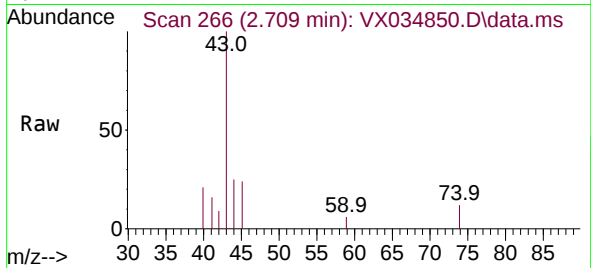




#18
Methyl Acetate
Concen: 0.351 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

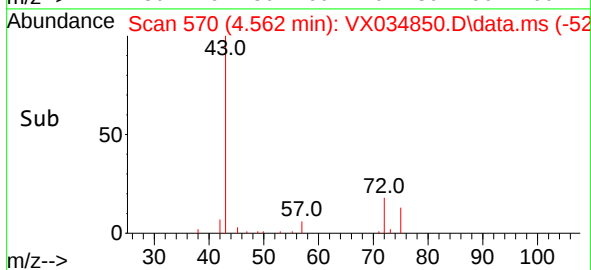
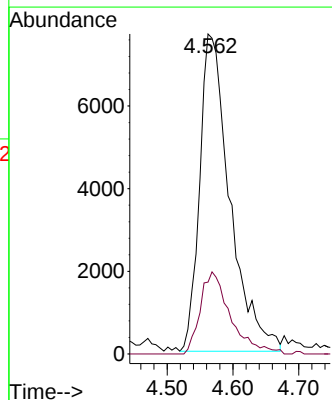
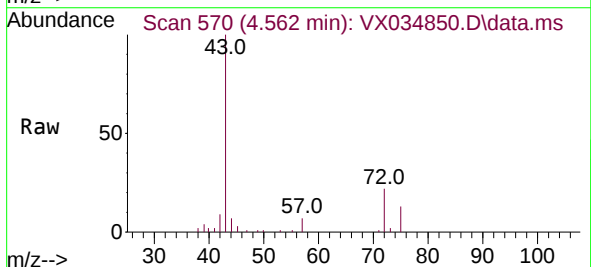
Instrument :
MSVOA_X
ClientSampleId :
OF-2

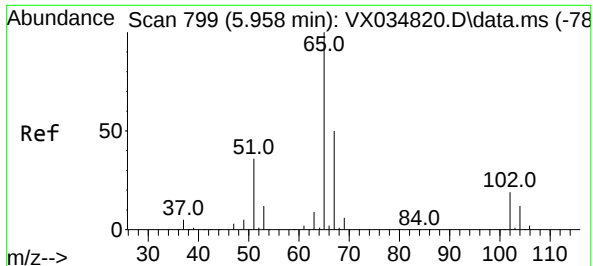
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
74 14.0 18.3 27.5#



#25
2-Butanone
Concen: 11.289 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 43 Resp: 24524
Ion Ratio Lower Upper
43 100
72 22.7 19.3 28.9





#33

1,2-Dichloroethane-d4

Concen: 47.534 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX034850.D

Acq: 30 Mar 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

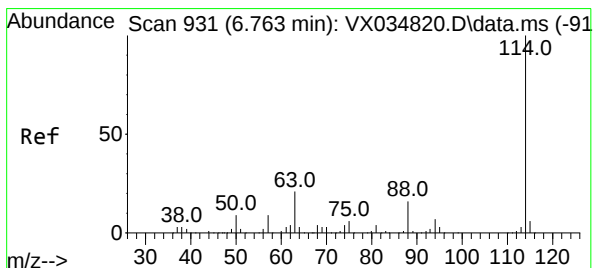
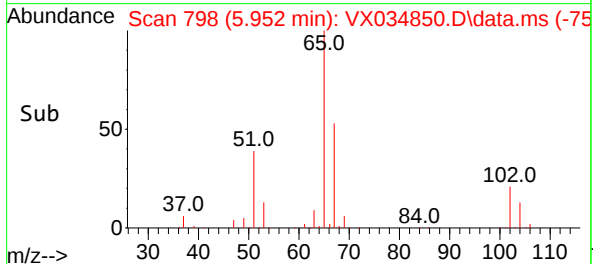
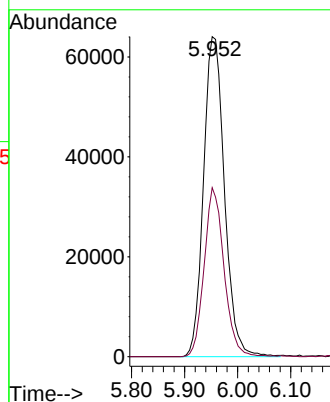
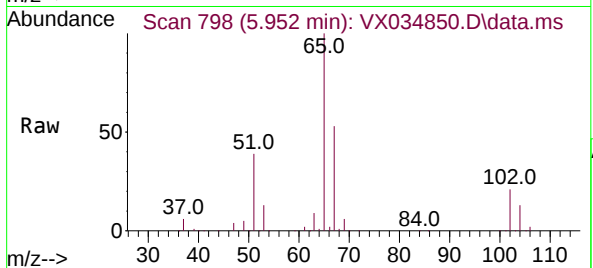
OF-2

Tgt Ion: 65 Resp: 175833

Ion Ratio Lower Upper

65 100

67 50.1 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: VX034850.D

Acq: 30 Mar 2023 14:19

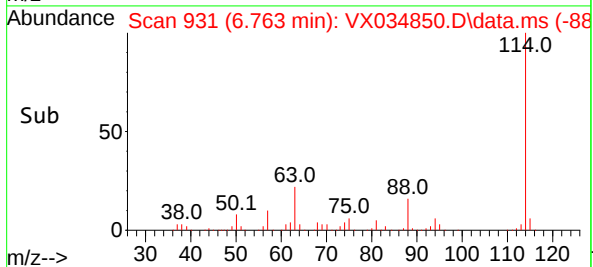
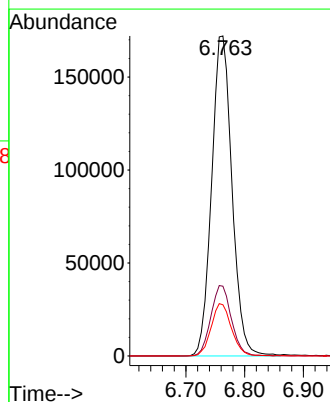
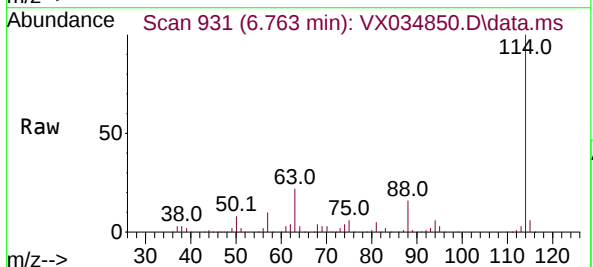
Tgt Ion: 114 Resp: 414393

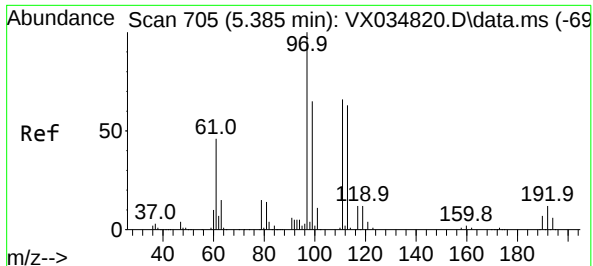
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.184 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX034850.D

Acq: 30 Mar 2023 14:19

Instrument :

MSVOA_X

ClientSampleId :

OF-2

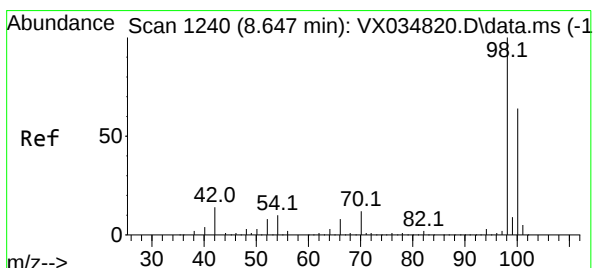
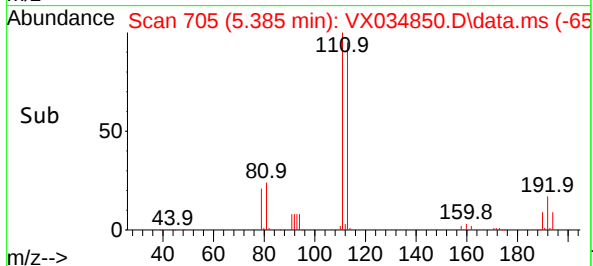
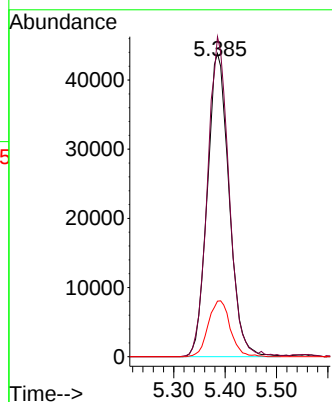
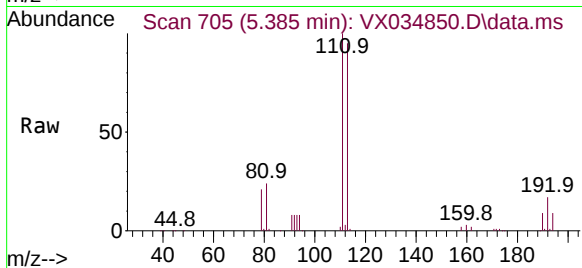
Tgt Ion:113 Resp: 129327

Ion Ratio Lower Upper

113 100

111 103.8 83.7 125.5

192 18.6 15.4 23.2



#50

Toluene-d8

Concen: 49.394 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX034850.D

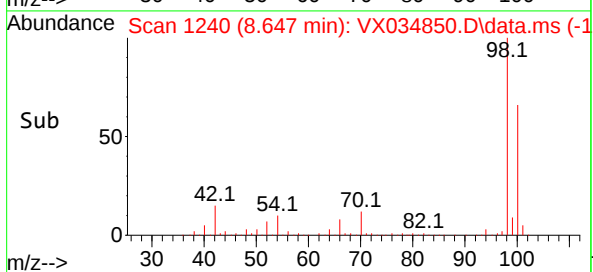
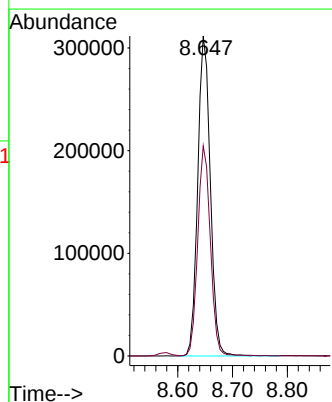
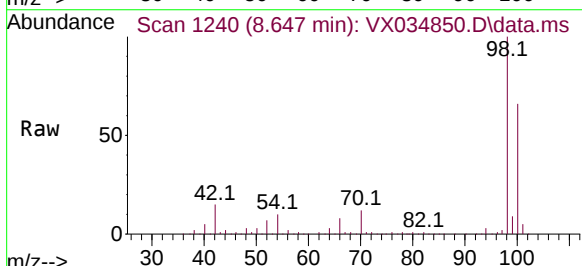
Acq: 30 Mar 2023 14:19

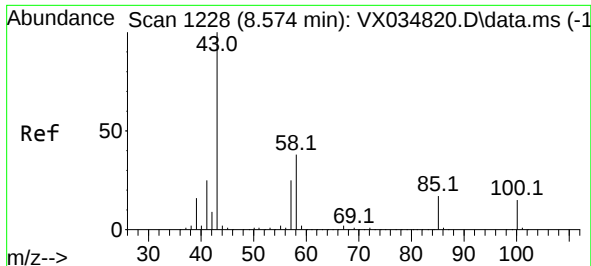
Tgt Ion: 98 Resp: 499706

Ion Ratio Lower Upper

98 100

100 65.3 52.5 78.7

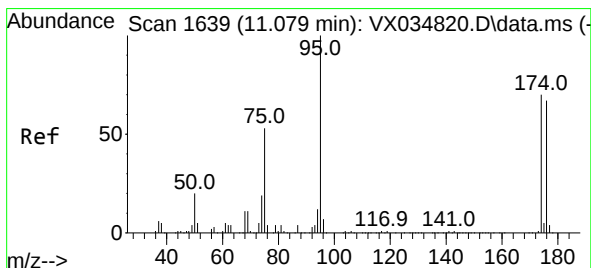
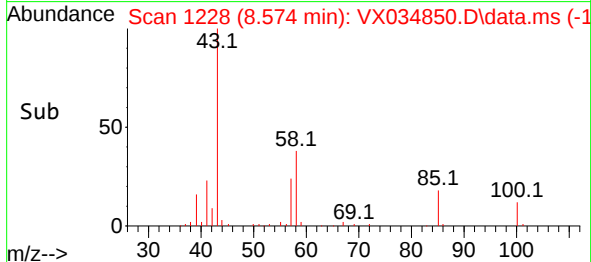
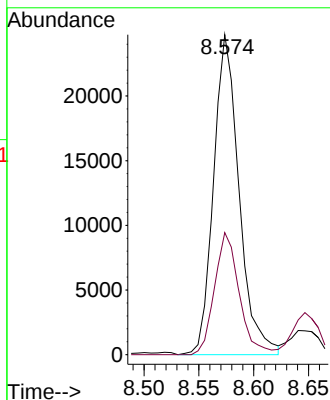
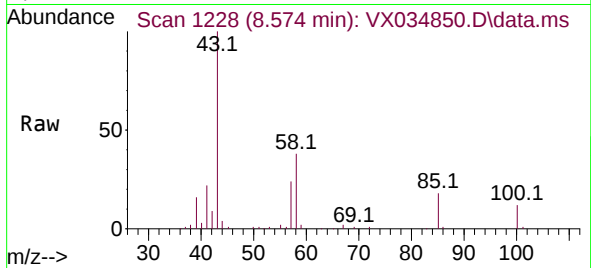




#51
4-Methyl-2-Pentanone
Concen: 9.582 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

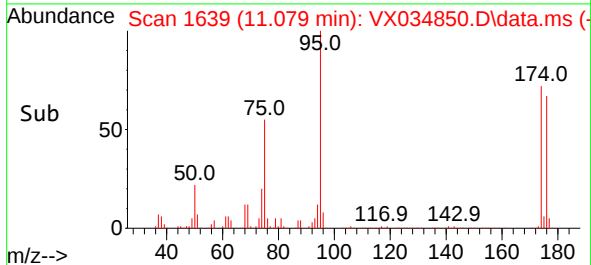
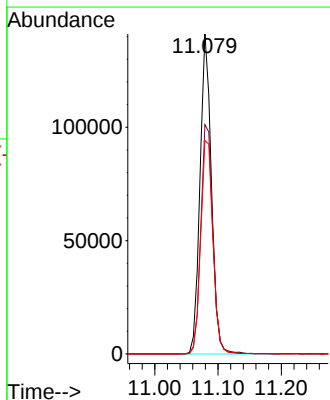
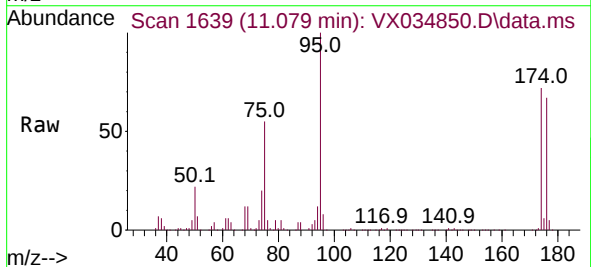
Instrument :
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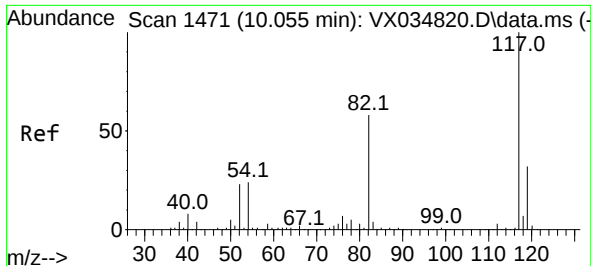
Tgt Ion: 43 Resp: 40035
Ion Ratio Lower Upper
43 100
58 36.8 30.6 46.0



#62
4-Bromofluorobenzene
Concen: 45.475 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion: 95 Resp: 178032
Ion Ratio Lower Upper
95 100
174 75.0 0.0 147.4
176 71.4 0.0 140.6

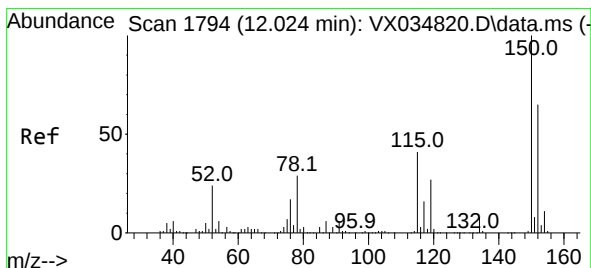
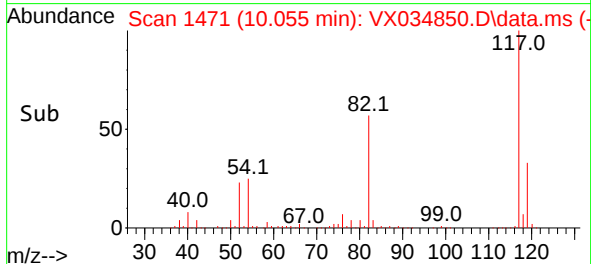
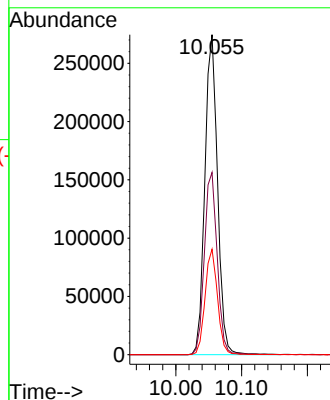
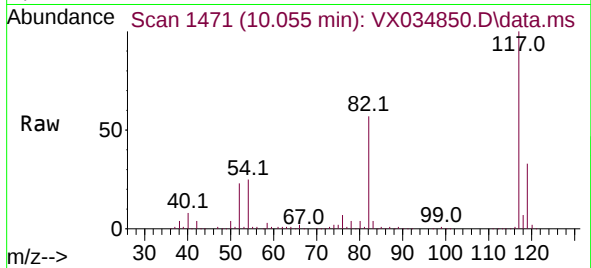




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Instrument :
MSVOA_X
ClientSampleId :
OF-2

Tgt Ion:117 Resp: 368100
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 33.0 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX034850.D
Acq: 30 Mar 2023 14:19

Tgt Ion:152 Resp: 164071
Ion Ratio Lower Upper
152 100
115 61.0 45.0 135.0
150 158.1 0.0 352.4

