

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035815.D
 Acq On : 23 May 2023 15:43
 Operator : JC/MD
 Sample : 02899-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 24 05:49:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

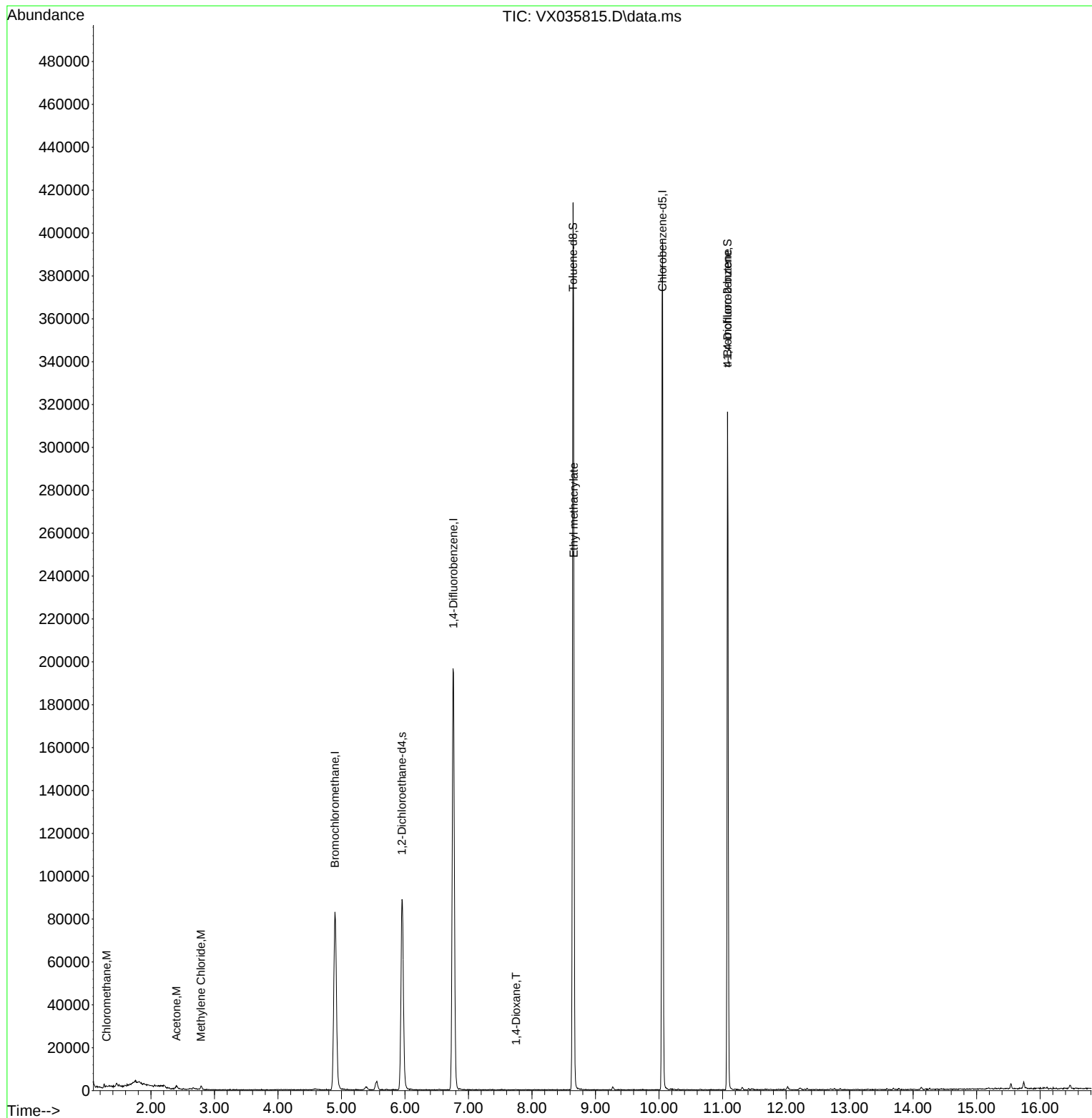
Internal Standards						
1) Bromochloromethane	4.897	128	34304	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	202138	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	172989	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	85759	30.088	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.300%
60) 4-Bromofluorobenzene	11.079	95	80724	27.810	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.700%
63) Toluene-d8	8.647	98	237491	31.055	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.500%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	437	0.203	ug/l #	79
15) Acetone	2.398	58	663	1.820	ug/l #	43
18) Methylene Chloride	2.788	84	758	0.338	ug/l #	89
45) 1,4-Dioxane	7.751	88	53	0.974	ug/l #	24
51) Ethyl methacrylate	8.659	69	752	0.211	ug/l	82
77) t-1,4-Dichloro-2-butene	11.079	75	42842	47.814	ug/l #	4

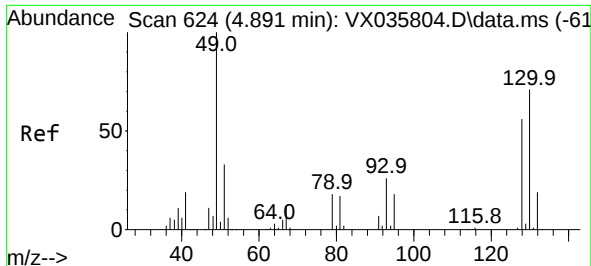
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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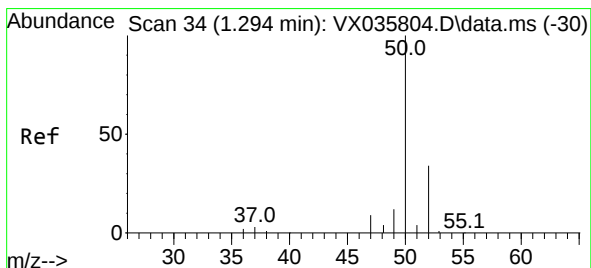
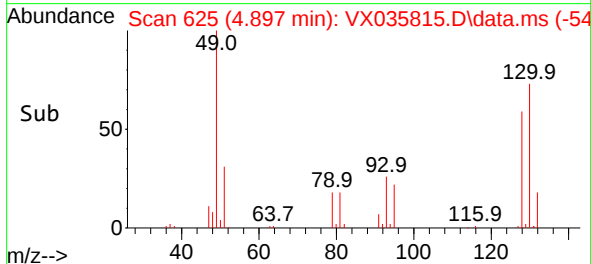
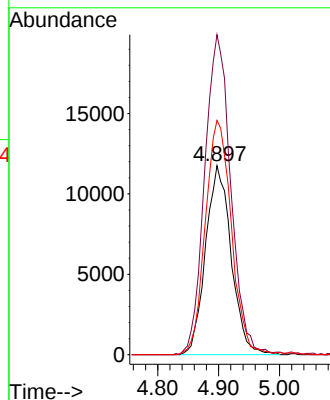
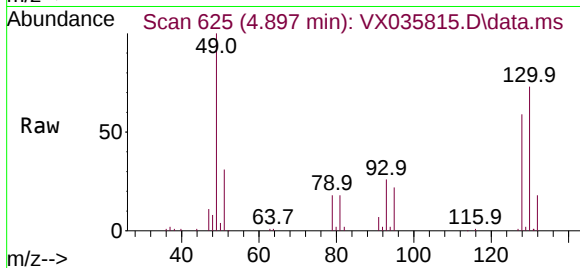




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

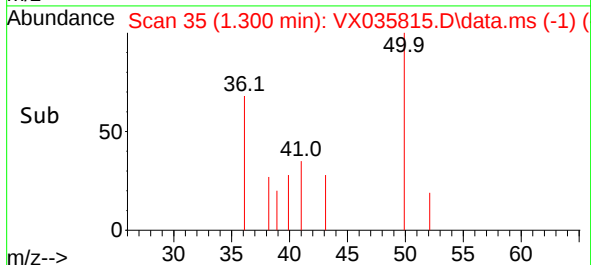
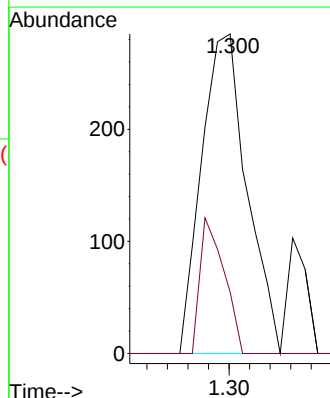
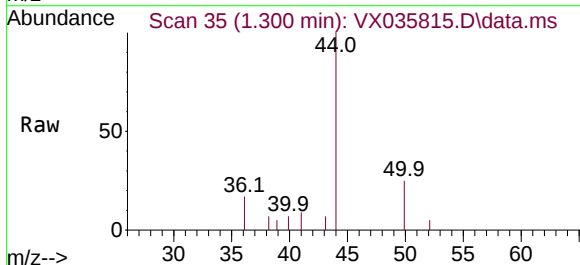
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

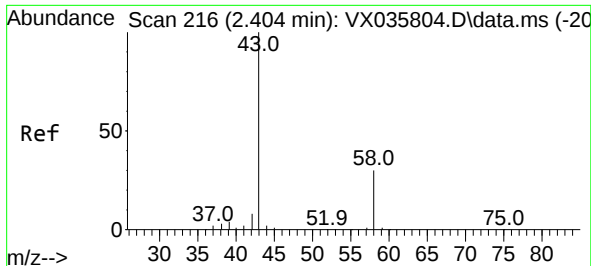
Tgt Ion:128 Resp: 34304
Ion Ratio Lower Upper
128 100
49 171.7 0.0 428.8
130 126.3 0.0 310.8



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

Tgt Ion: 50 Resp: 437
Ion Ratio Lower Upper
50 100
52 19.3 24.6 36.8#





#15

Acetone

Concen: 1.820 ug/l

RT: 2.398 min Scan# 216

Delta R.T. -0.006 min

Lab File: VX035815.D

Acq: 23 May 2023 15:43

Instrument :

MSVOA_X

ClientSampleId :

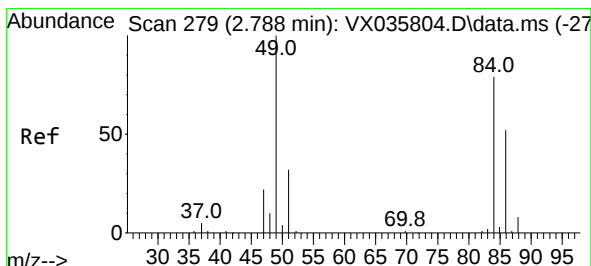
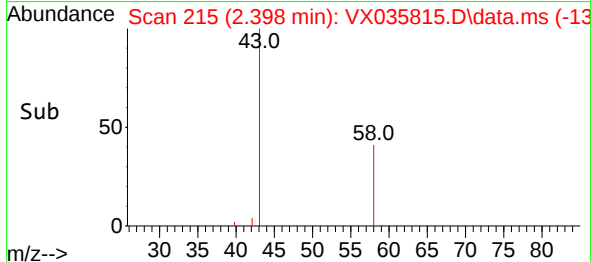
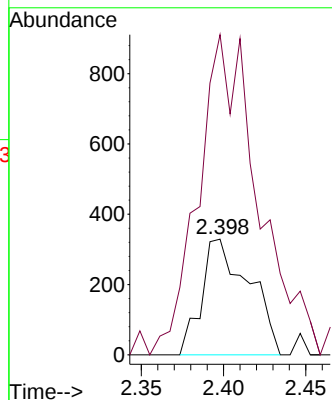
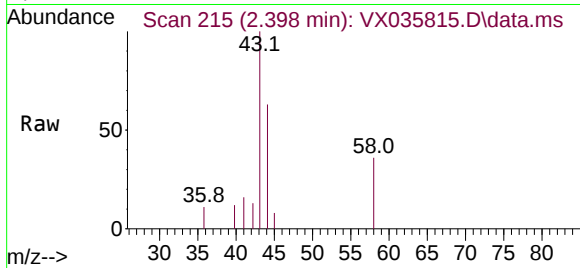
TRIP-BLANK

Tgt Ion: 58 Resp: 663

Ion Ratio Lower Upper

58 100

43 218.5 270.8 406.2#



#18

Methylene Chloride

Concen: 0.338 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX035815.D

Acq: 23 May 2023 15:43

Tgt Ion: 84 Resp: 758

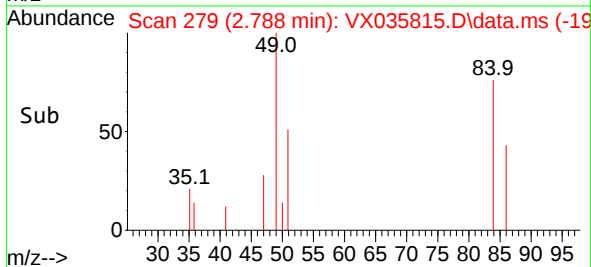
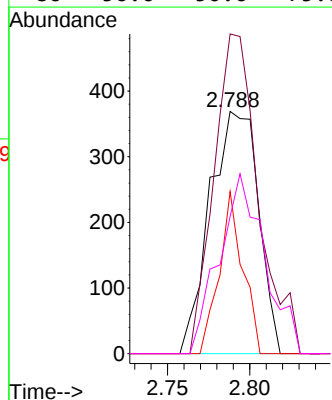
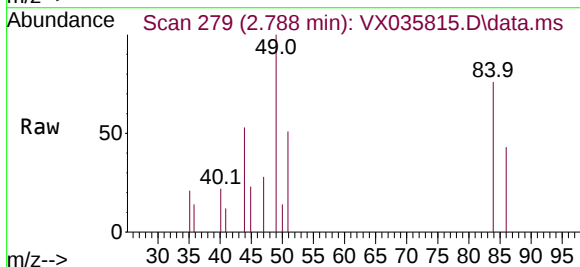
Ion Ratio Lower Upper

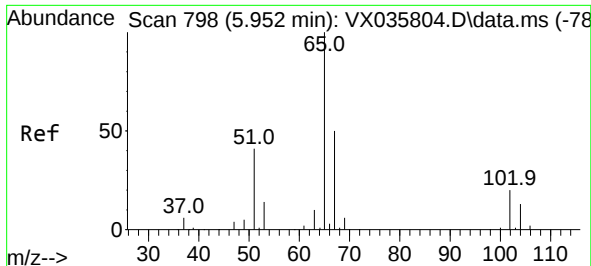
84 100

49 132.0 103.9 155.9

51 66.9 30.6 45.8#

86 56.6 50.6 75.8

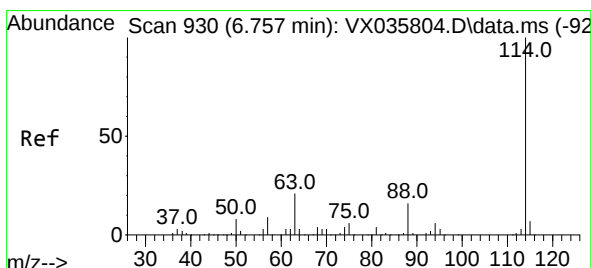
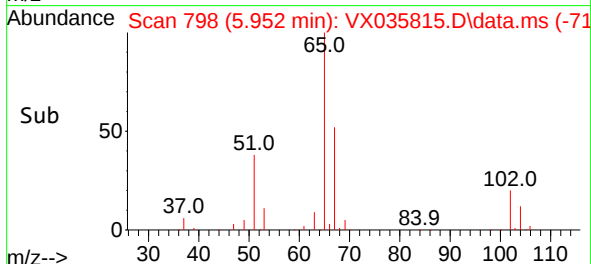
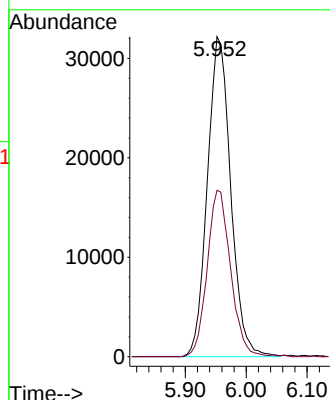
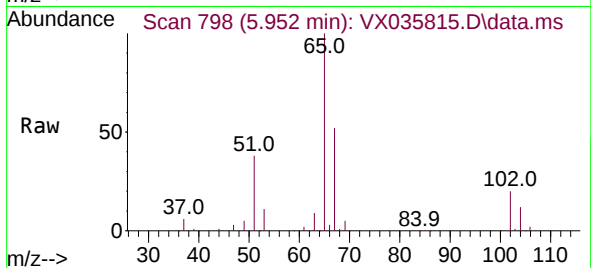




#27
 1,2-Dichloroethane-d4
 Concen: 30.088 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX035815.D
 Acq: 23 May 2023 15:43

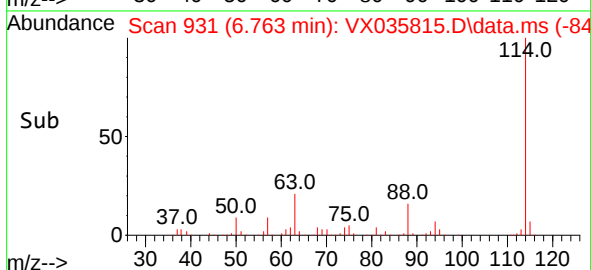
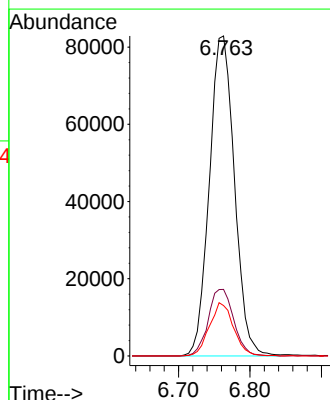
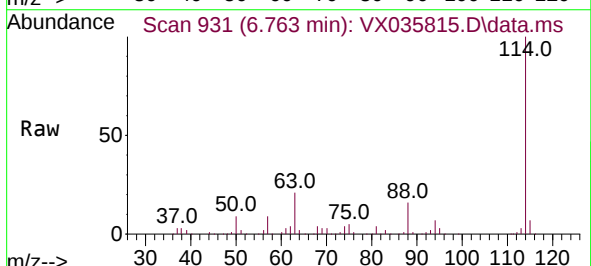
Instrument :
 MSVOA_X
 ClientSampleId :
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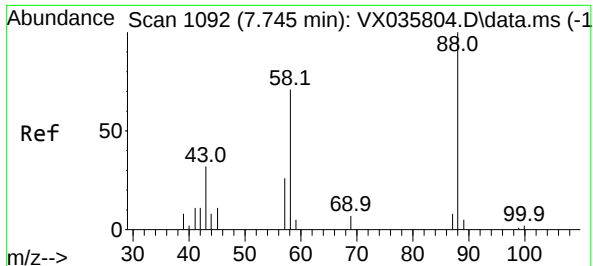
Tgt Ion: 65 Resp: 85759
 Ion Ratio Lower Upper
 65 100
 67 52.0 40.9 61.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX035815.D
 Acq: 23 May 2023 15:43

Tgt Ion: 114 Resp: 202138
 Ion Ratio Lower Upper
 114 100
 63 21.2 18.0 27.0
 88 16.0 13.3 19.9

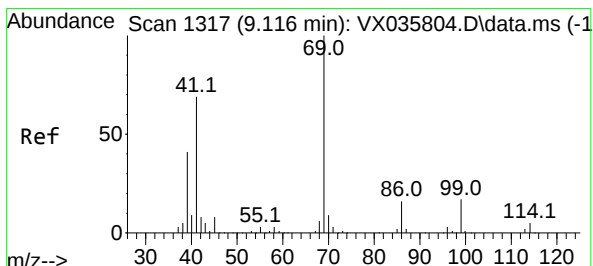
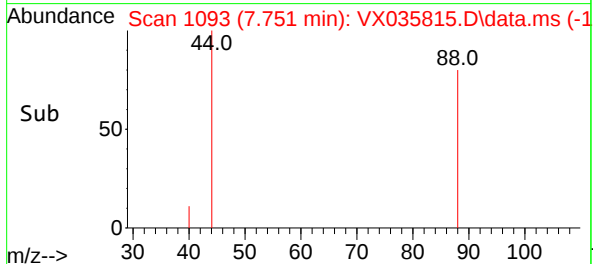
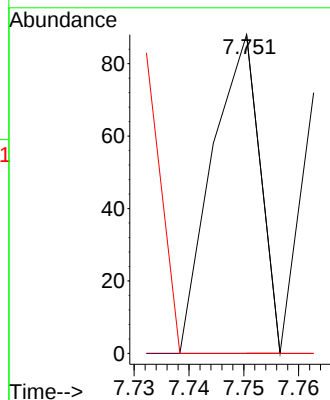
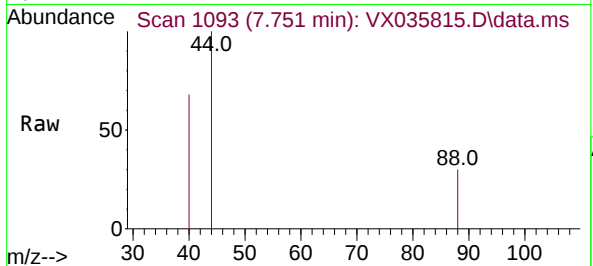




#45
1,4-Dioxane
Concen: 0.974 ug/l
RT: 7.751 min Scan# 110
Delta R.T. 0.006 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

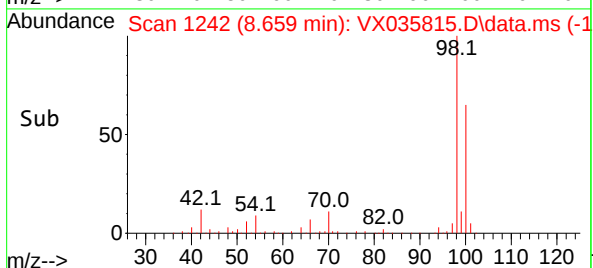
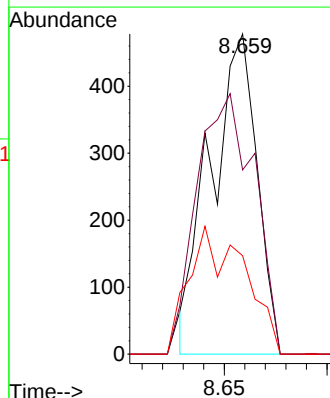
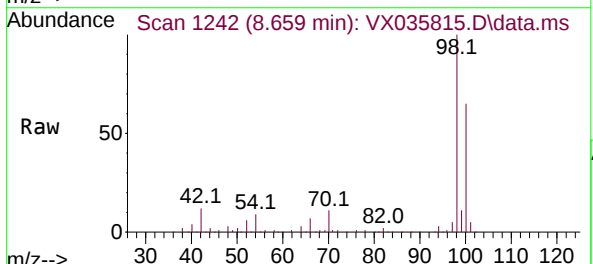
Instrument :
MSVOA_X
ClientSampleId :
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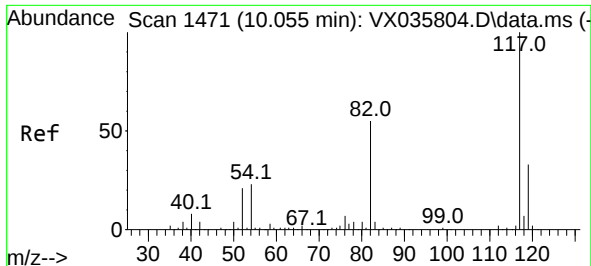
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 55.6 83.4#



#51
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

Tgt Ion: 69 Resp: 752
Ion Ratio Lower Upper
69 100
41 57.5 36.2 108.6
39 30.8 21.2 63.6

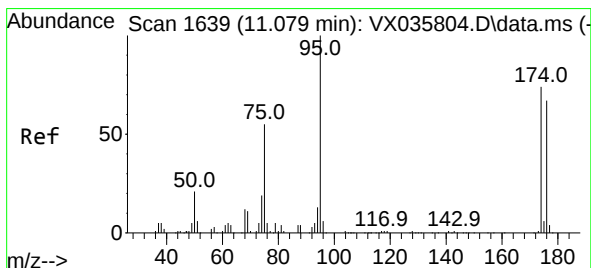
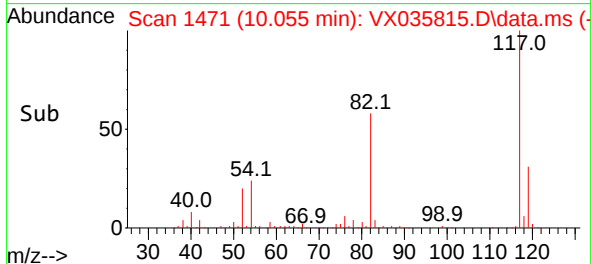
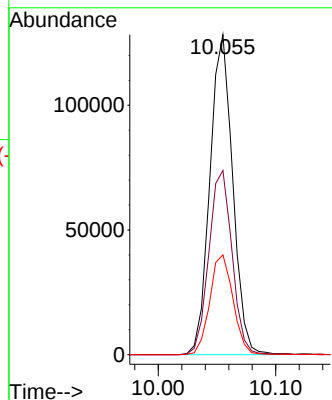
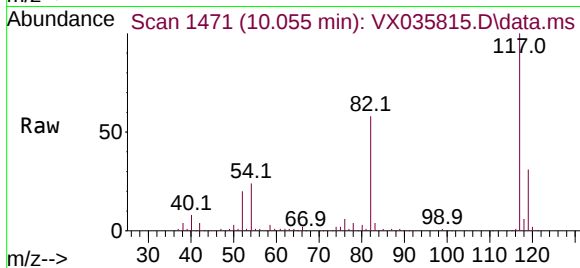




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

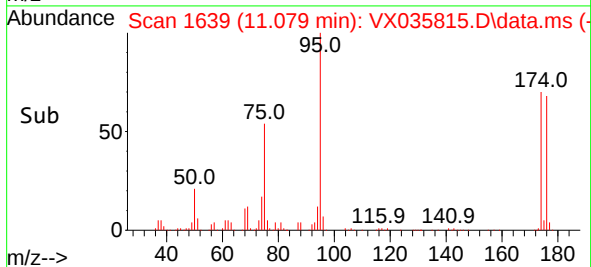
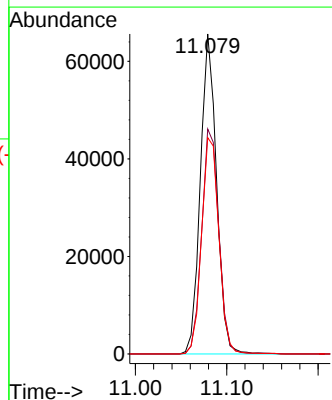
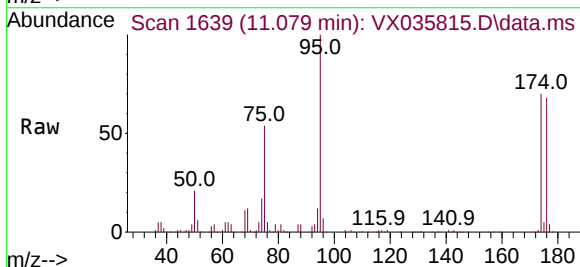
Instrument :
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ClientSampleId :
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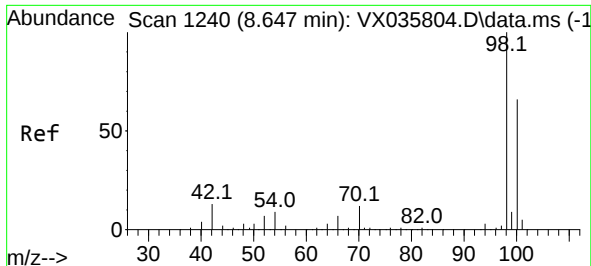
Tgt Ion:117 Resp: 172989
Ion Ratio Lower Upper
117 100
82 58.7 45.8 68.8
119 31.8 25.4 38.0



#60
4-Bromofluorobenzene
Concen: 27.810 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

Tgt Ion: 95 Resp: 80724
Ion Ratio Lower Upper
95 100
174 74.0 0.2 0.4#
176 72.1 0.2 0.2#

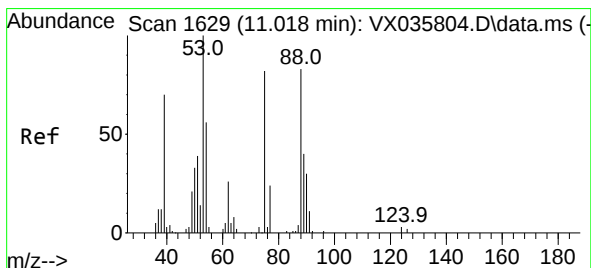
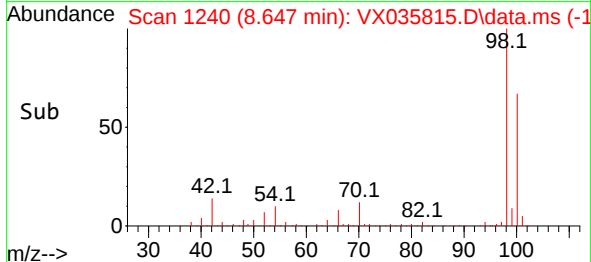
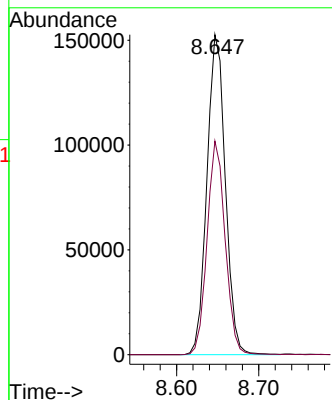
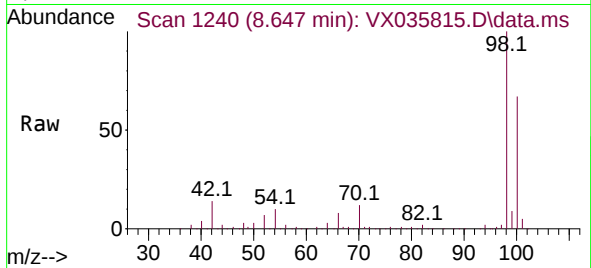




#63
Toluene-d8
Concen: 31.055 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tgt Ion: 98 Resp: 237491
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 47.814 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035815.D
Acq: 23 May 2023 15:43

Tgt Ion: 75 Resp: 42842
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#

