

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035816.D
 Acq On : 23 May 2023 16:06
 Operator : JC/MD
 Sample : 02872-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-DSN-001

Quant Time: May 24 05:49:52 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)

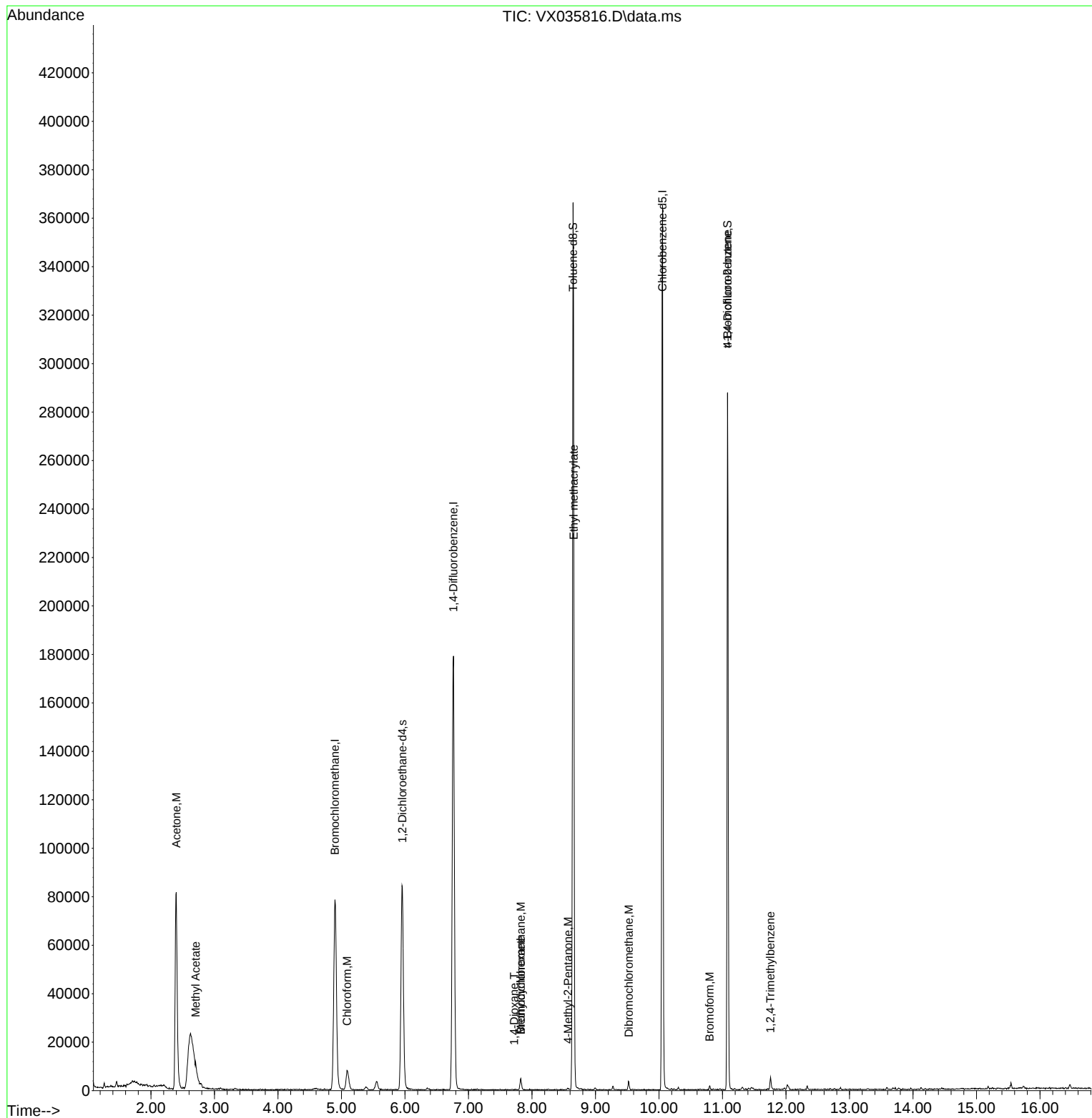
Internal Standards						
1) Bromochloromethane	4.898	128	32405	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	178146	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	156114	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	80972	30.073	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.233%
60) 4-Bromofluorobenzene	11.079	95	74847	28.572	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.233%
63) Toluene-d8	8.647	98	208995	30.282	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.933%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.703	43	3159	0.688	ug/l #	65
15) Acetone	2.398	58	35286	102.526	ug/l	92
25) Chloroform	5.087	83	9014	2.369	ug/l	99
38) Methylcyclohexane	7.824	83	2987	1.098	ug/l #	18
41) Bromodichloromethane	7.824	83	2988	1.160	ug/l #	95
45) 1,4-Dioxane	7.720	88	22	0.459	ug/l #	1
51) Ethyl methacrylate	8.659	69	689	0.219	ug/l #	66
53) Dibromochloromethane	9.525	129	1401	0.749	ug/l	98
56) Bromoform	10.799	173	517	0.427	ug/l #	93
58) 4-Methyl-2-Pentanone	8.568	43	777	0.256	ug/l #	45
77) t-1,4-Dichloro-2-butene	11.079	75	38699	47.859	ug/l #	4
80) 1,2,4-Trimethylbenzene	11.756	105	1741	0.235	ug/l	42

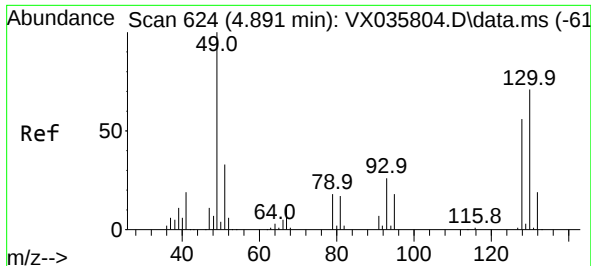
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.898 min Scan# 61

Delta R.T. 0.007 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL-DSN-001

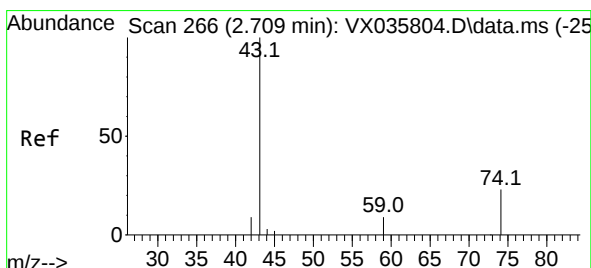
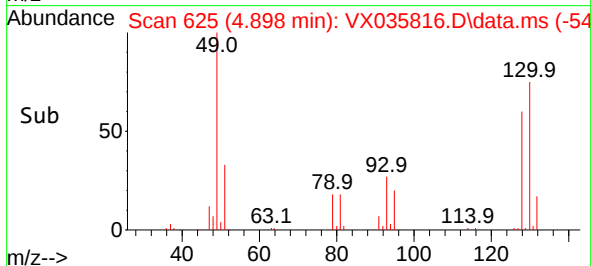
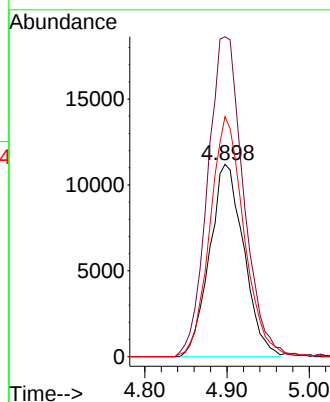
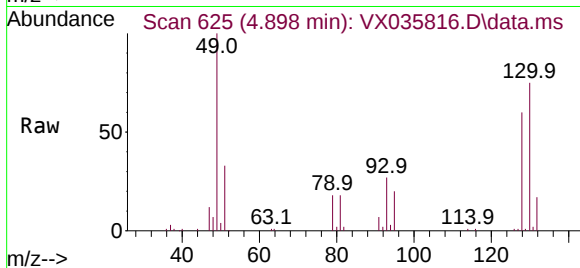
Tgt Ion:128 Resp: 32405

Ion Ratio Lower Upper

128 100

49 173.7 0.0 428.8

130 123.7 0.0 310.8



#12

Methyl Acetate

Concen: 0.688 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.006 min

Lab File: VX035816.D

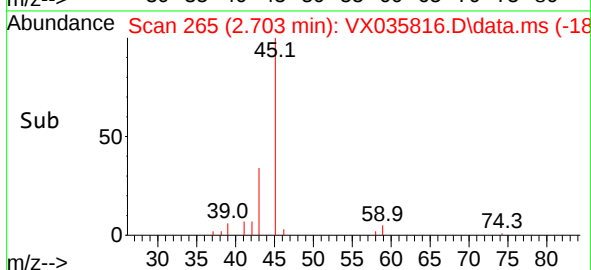
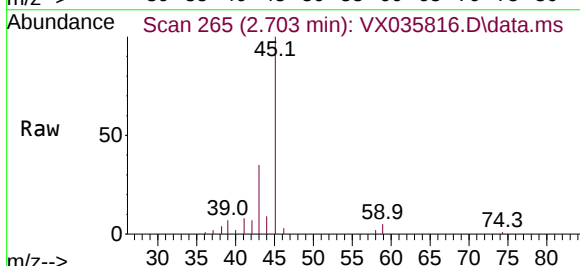
Acq: 23 May 2023 16:06

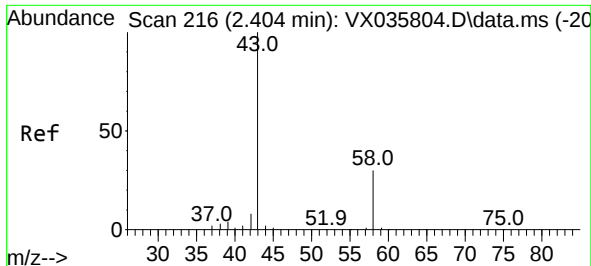
Tgt Ion: 43 Resp: 3159

Ion Ratio Lower Upper

43 100

74 5.5 18.0 27.0#

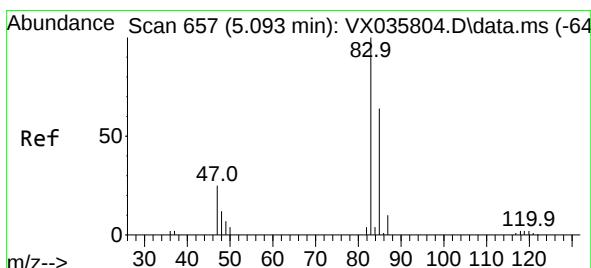
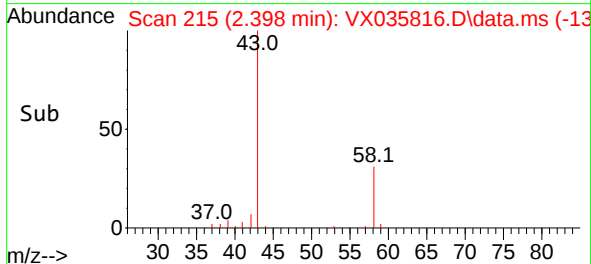
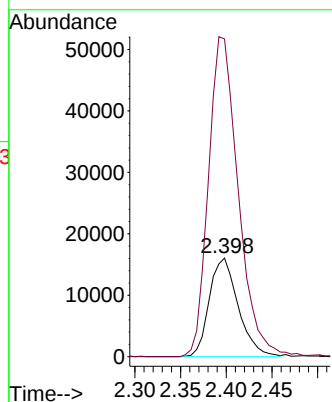
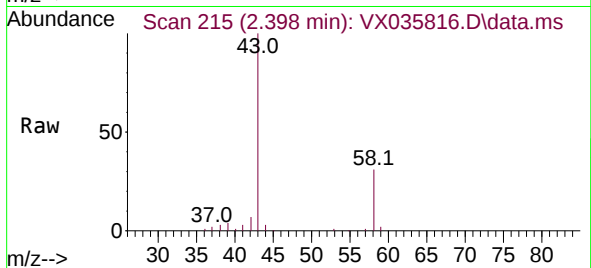




#15
Acetone
Concen: 102.526 ug/l
RT: 2.398 min Scan# 216
Delta R.T. -0.006 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

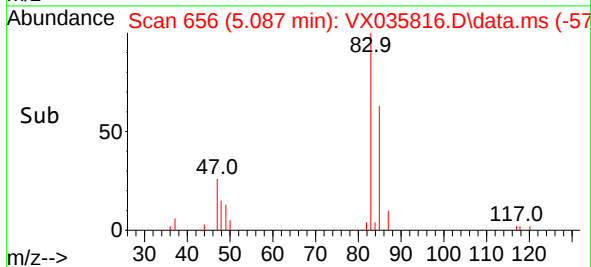
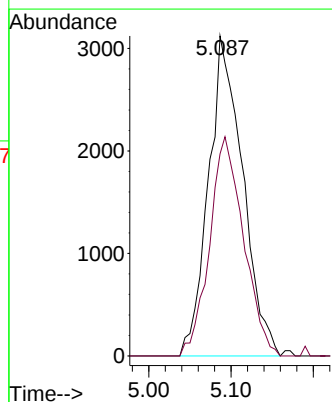
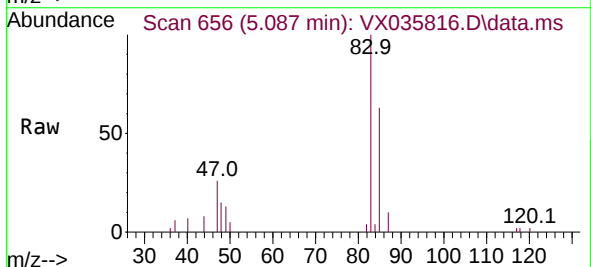
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001

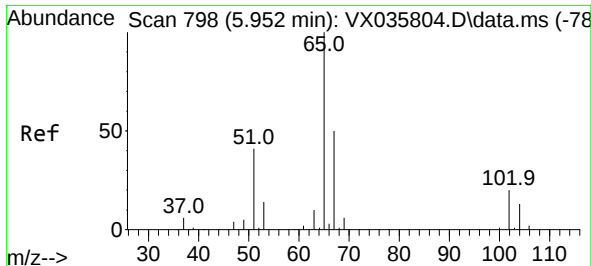
Tgt Ion: 58 Resp: 35286
Ion Ratio Lower Upper
58 100
43 322.5 270.8 406.2



#25
Chloroform
Concen: 2.369 ug/l
RT: 5.087 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

Tgt Ion: 83 Resp: 9014
Ion Ratio Lower Upper
83 100
85 63.1 51.2 76.8





#27

1,2-Dichloroethane-d4

Concen: 30.073 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

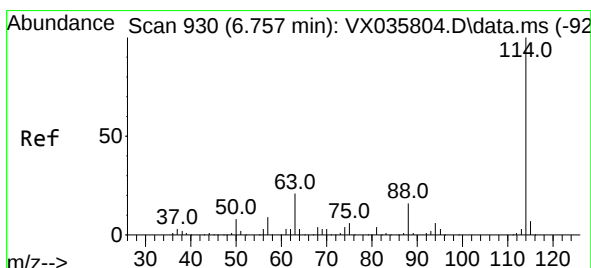
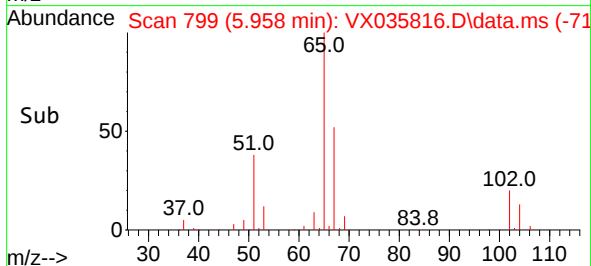
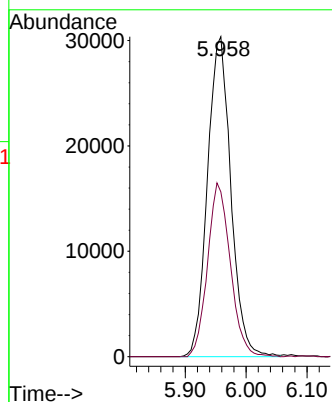
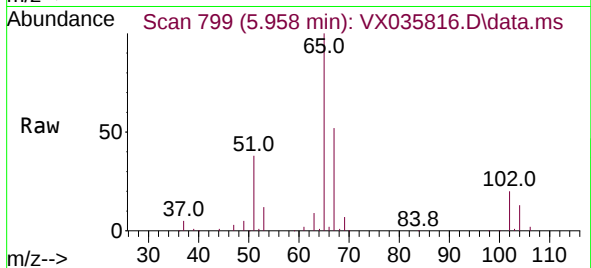
OUTFALL-DSN-001

Tgt Ion: 65 Resp: 80972

Ion Ratio Lower Upper

65 100

67 52.9 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: VX035816.D

Acq: 23 May 2023 16:06

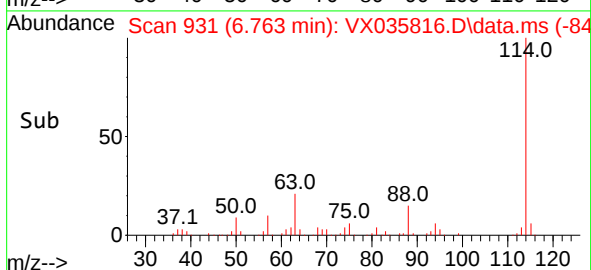
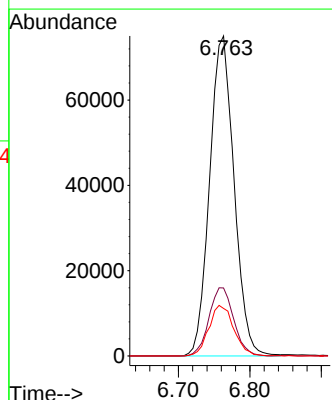
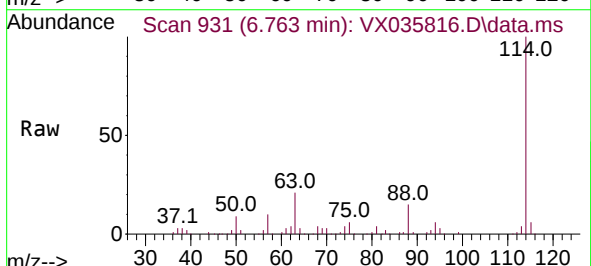
Tgt Ion: 114 Resp: 178146

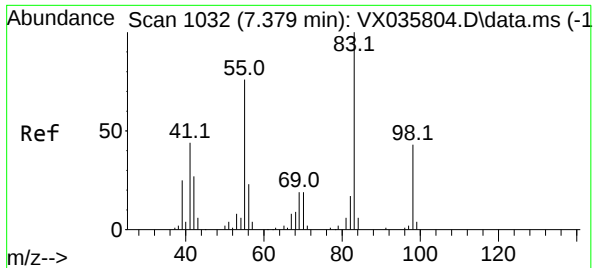
Ion Ratio Lower Upper

114 100

63 21.5 18.0 27.0

88 16.2 13.3 19.9

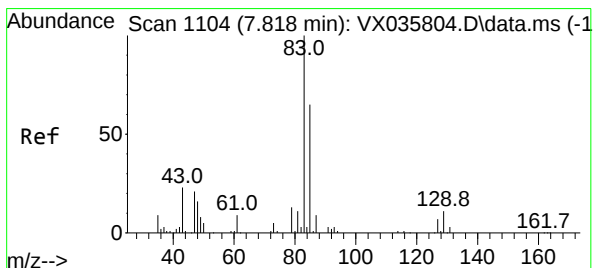
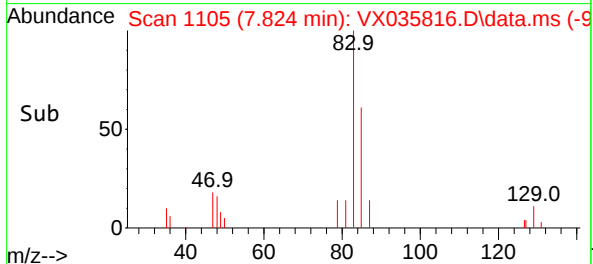
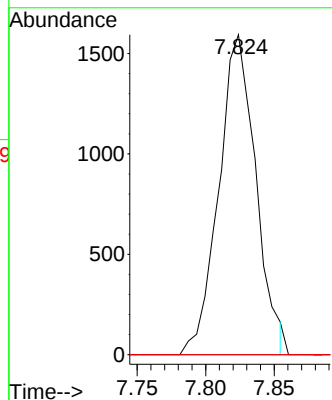
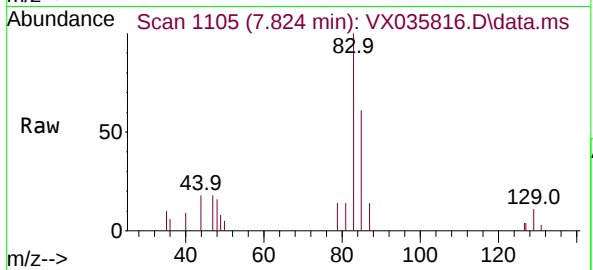




#38
Methylcyclohexane
Concen: 1.098 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.445 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

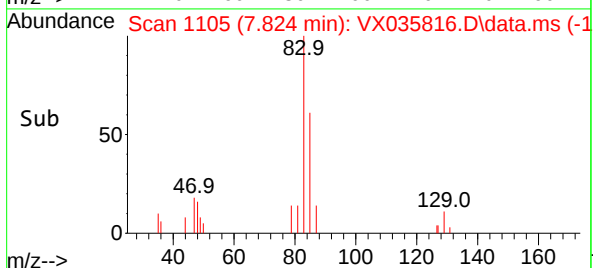
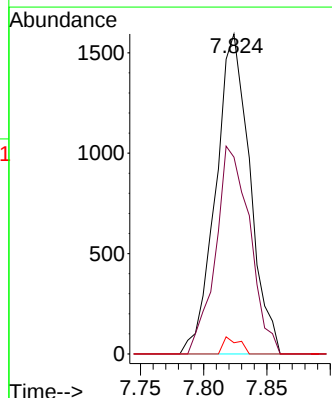
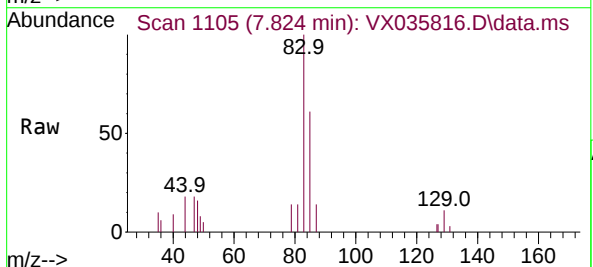
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001

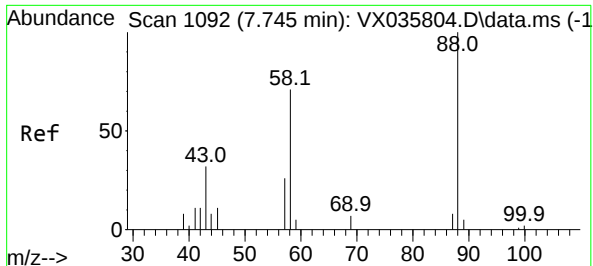
Tgt Ion: 83 Resp: 2987
Ion Ratio Lower Upper
83 100
55 0.0 38.8 116.4#
98 0.0 23.8 71.2#



#41
Bromodichloromethane
Concen: 1.160 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

Tgt Ion: 83 Resp: 2988
Ion Ratio Lower Upper
83 100
85 61.5 51.1 76.7
127 3.5 8.2 12.4#





#45

1,4-Dioxane

Concen: 0.459 ug/l

RT: 7.720 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

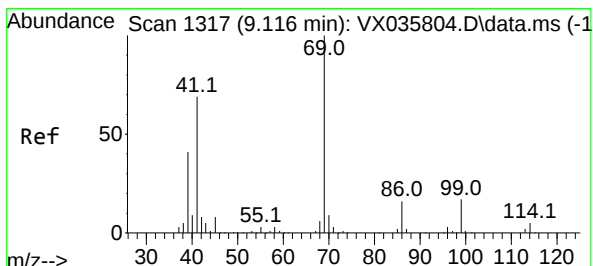
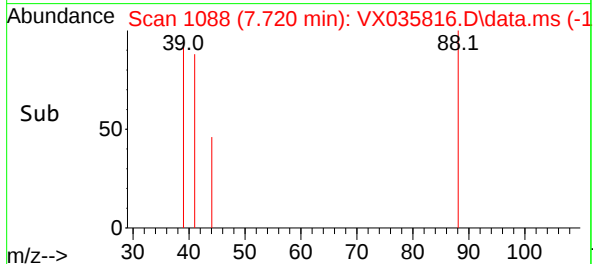
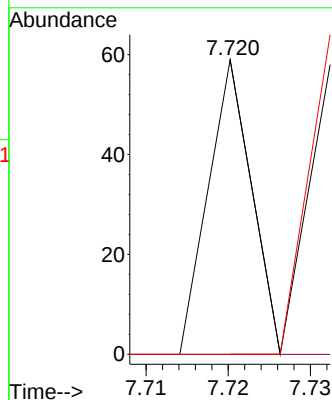
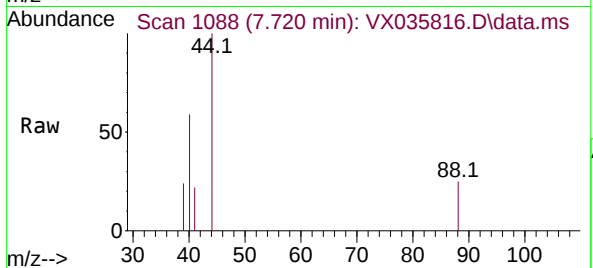
Instrument :

MSVOA_X

ClientSampleId :

OUTFALL-DSN-001

Tgt Ion: 88	Resp: 22
Ion Ratio	Lower Upper
88 100	
43 0.0	26.5 39.7#
58 222.7	55.6 83.4#



#51

Ethyl methacrylate

Concen: 0.219 ug/l

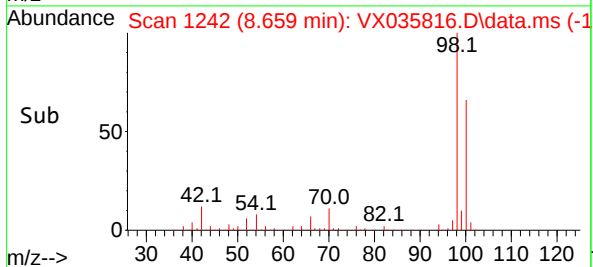
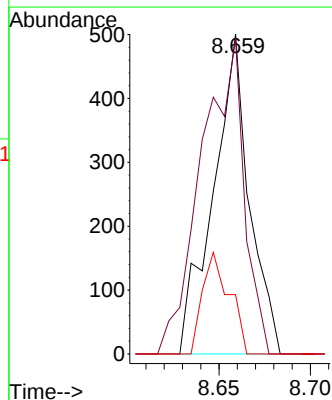
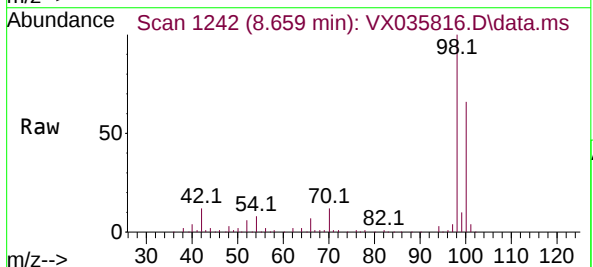
RT: 8.659 min Scan# 1242

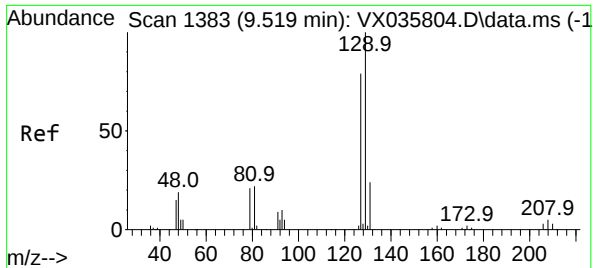
Delta R.T. -0.457 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

Tgt Ion: 69	Resp: 689
Ion Ratio	Lower Upper
69 100	
41 98.6	36.2 108.6
39 18.6	21.2 63.6#

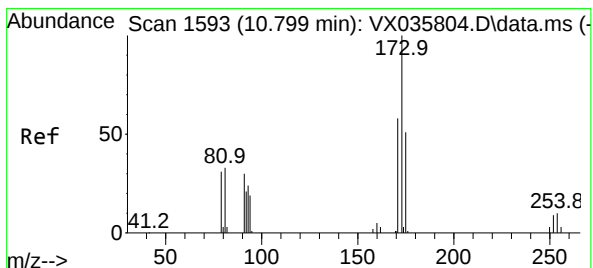
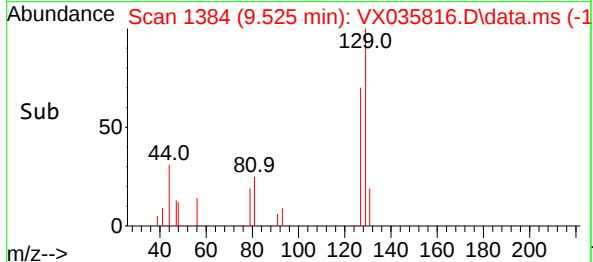
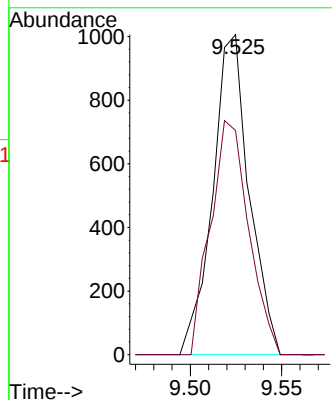
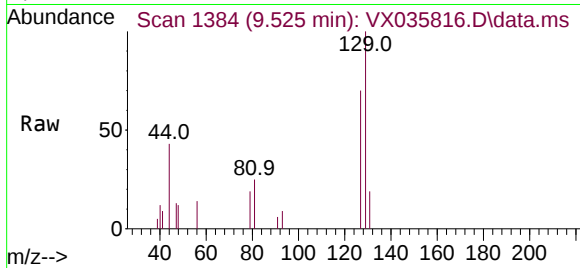




#53
Dibromochloromethane
Concen: 0.749 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

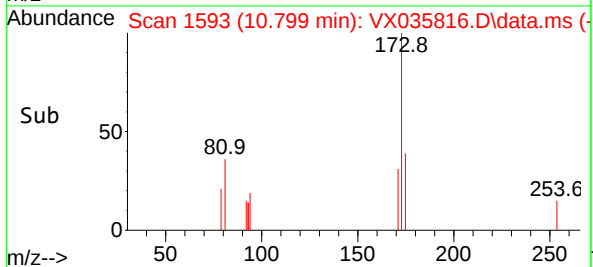
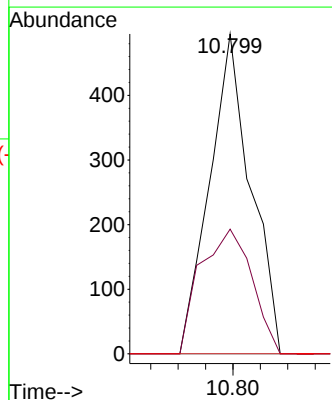
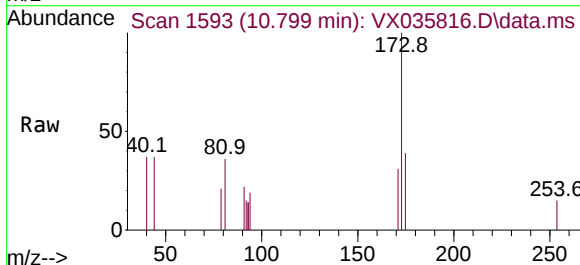
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001

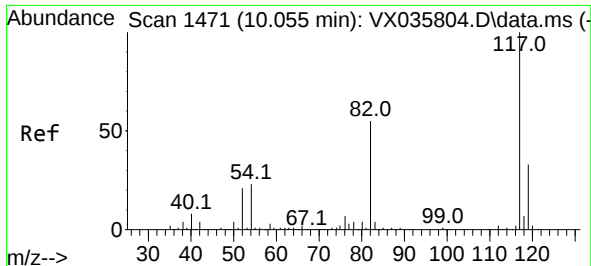
Tgt Ion:129 Resp: 1401
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.5



#56
Bromoform
Concen: 0.427 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

Tgt Ion:173 Resp: 517
Ion Ratio Lower Upper
173 100
175 48.7 37.0 55.4
254 0.0 6.7 10.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL-DSN-001

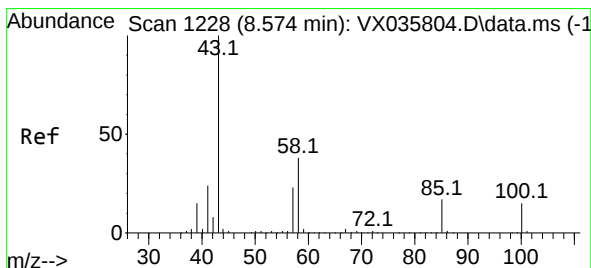
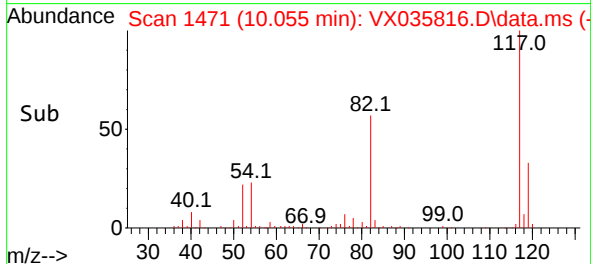
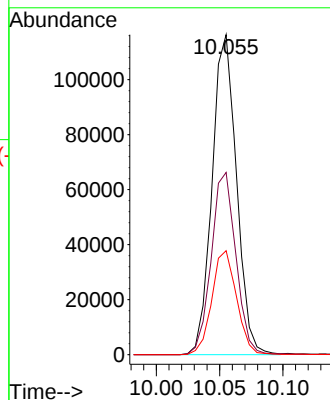
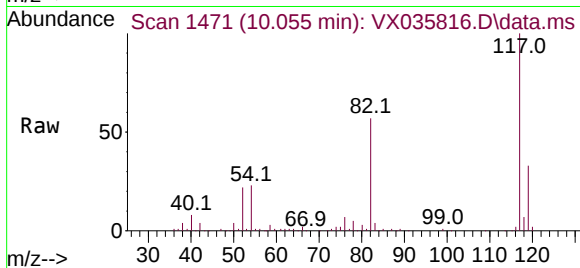
Tgt Ion:117 Resp: 156114

Ion Ratio Lower Upper

117 100

82 57.8 45.8 68.8

119 32.9 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 0.256 ug/l

RT: 8.568 min Scan# 1227

Delta R.T. -0.006 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

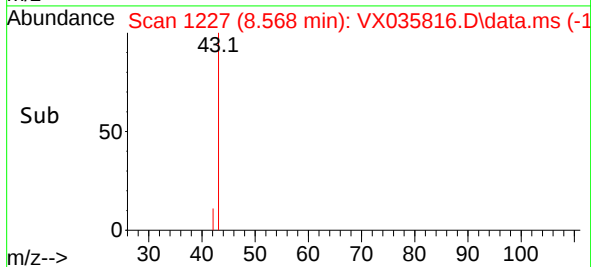
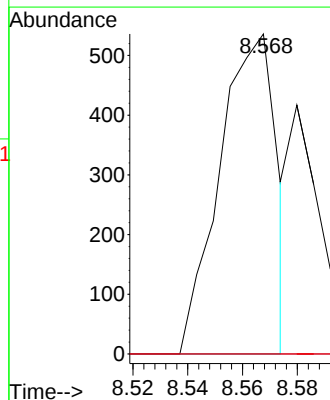
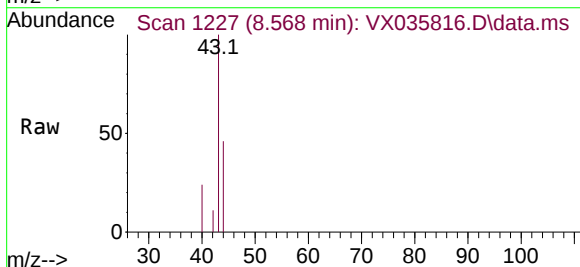
Tgt Ion: 43 Resp: 777

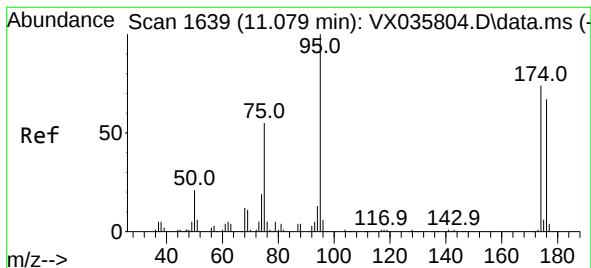
Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#

85 0.0 13.2 19.8#

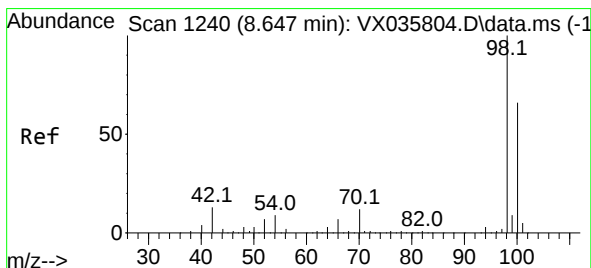
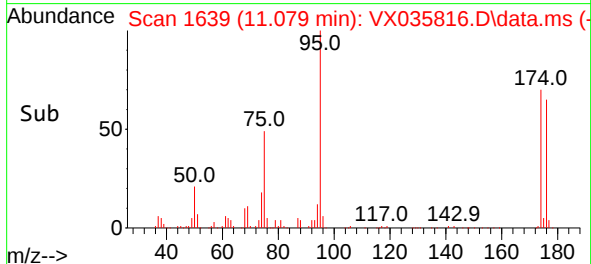
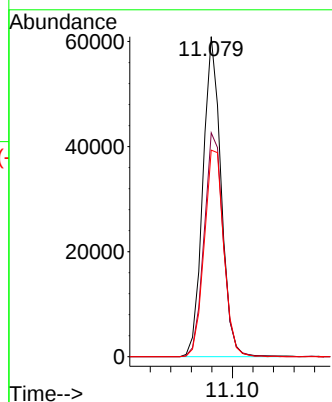
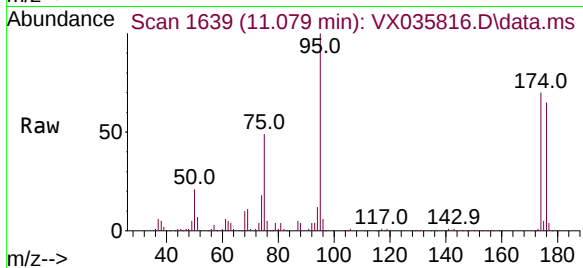




#60
4-Bromofluorobenzene
Concen: 28.572 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

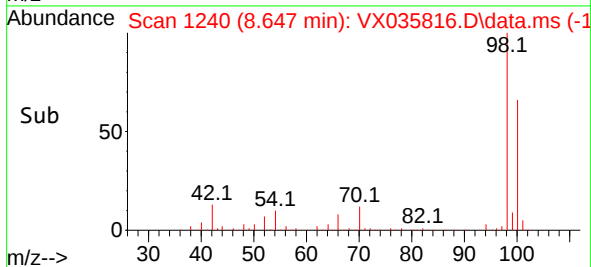
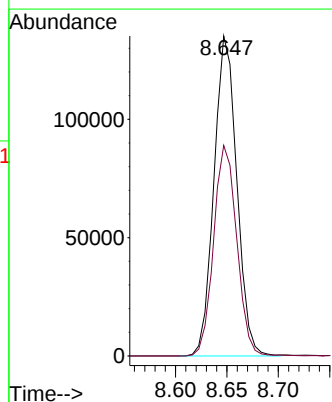
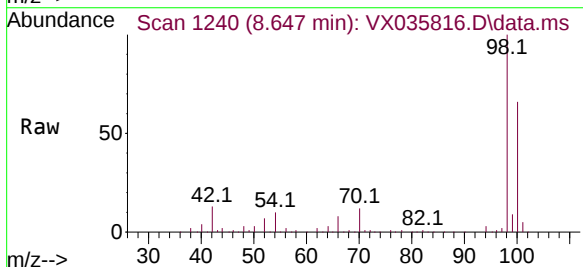
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001

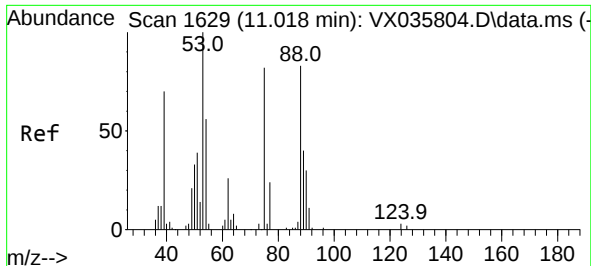
Tgt Ion: 95 Resp: 74847
Ion Ratio Lower Upper
95 100
174 73.4 0.2 0.4#
176 69.6 0.2 0.2#



#63
Toluene-d8
Concen: 30.282 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX035816.D
Acq: 23 May 2023 16:06

Tgt Ion: 98 Resp: 208995
Ion Ratio Lower Upper
98 100
100 66.5 52.1 78.1





#77

t-1,4-Dichloro-2-butene

Concen: 47.859 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL-DSN-001

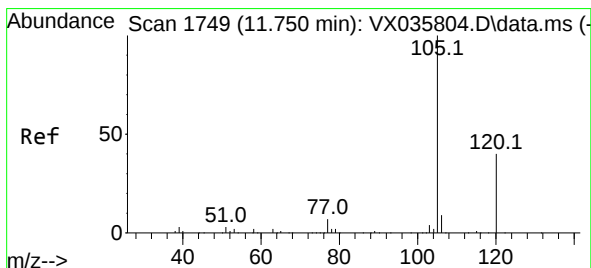
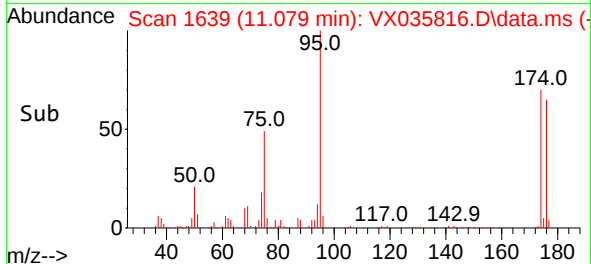
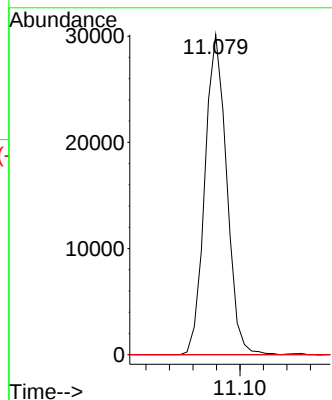
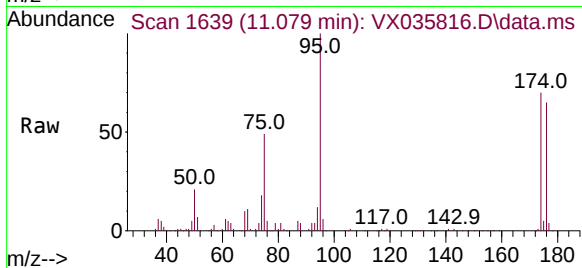
Tgt Ion: 75 Resp: 38699

Ion Ratio Lower Upper

75 100

53 0.0 58.2 174.6#

89 0.0 20.6 61.8#



#80

1,2,4-Trimethylbenzene

Concen: 0.235 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX035816.D

Acq: 23 May 2023 16:06

Tgt Ion: 105 Resp: 1741

Ion Ratio Lower Upper

105 100

120 7.1 0.0 90.4

