

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045052.D
 Acq On : 26 Feb 2025 13:29
 Operator : JC/MD
 Sample : Q1429-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-DSN-001

Quant Time: Feb 27 05:14:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

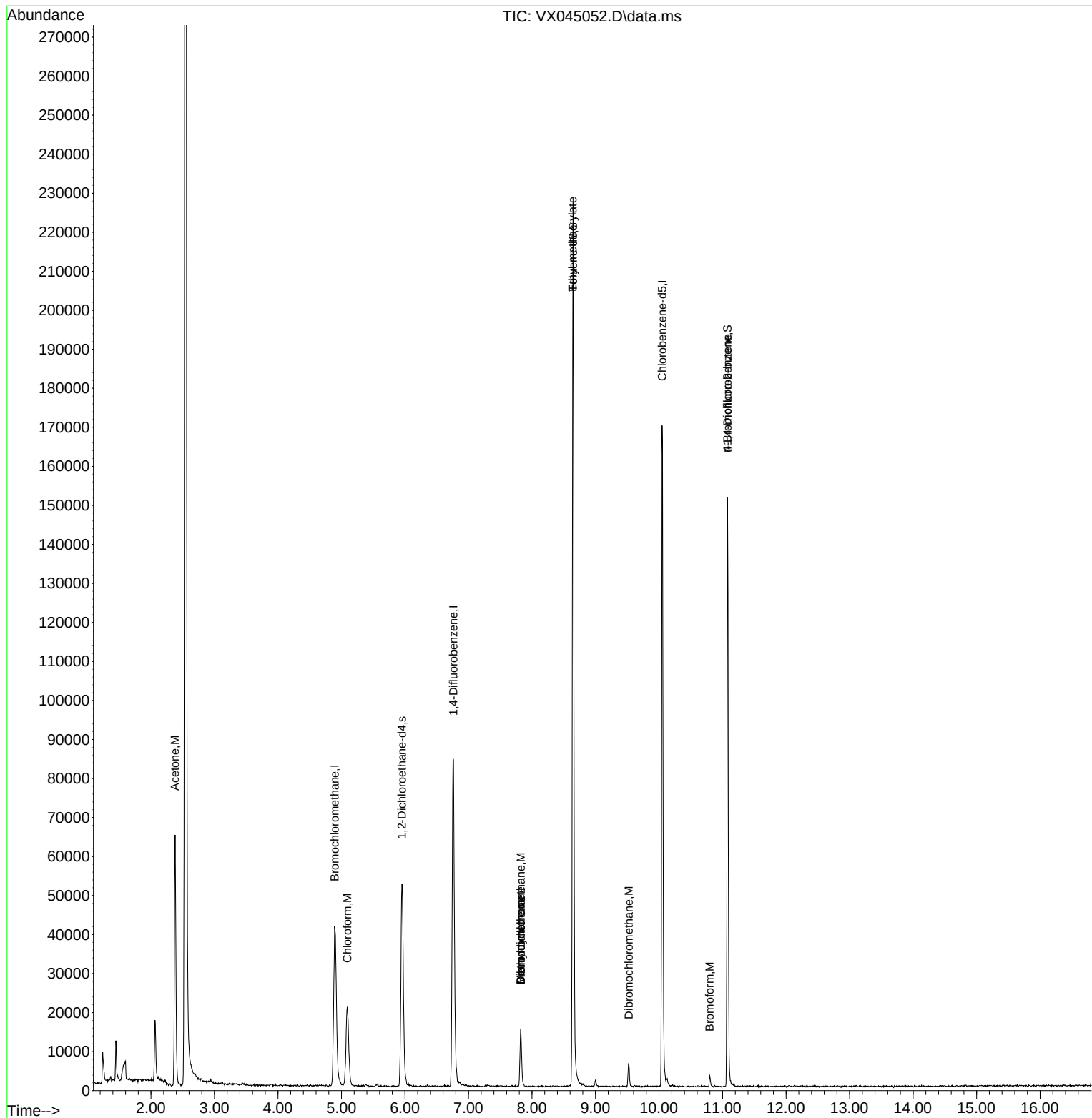
Internal Standards						
1) Bromochloromethane	4.891	128	16649	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	86265	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	78548	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	50176	31.029	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.433%	
60) 4-Bromofluorobenzene	11.079	95	40775	27.773	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.567%	
63) Toluene-d8	8.647	98	130672	30.071	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.233%	
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	20748	105.456	ug/l	100
25) Chloroform	5.093	83	24110	9.874	ug/l	97
38) Methylcyclohexane	7.824	83	9040	4.243	ug/l #	16
40) Dibromomethane	7.824	93	285	0.321	ug/l #	7
41) Bromodichloromethane	7.824	83	9492	5.379	ug/l	98
51) Ethyl methacrylate	8.641	69	392	0.215	ug/l #	45
53) Dibromochloromethane	9.525	129	2903	2.267	ug/l	98
56) Bromoform	10.799	173	1012	1.261	ug/l #	95
77) t-1,4-Dichloro-2-butene	11.079	75	21222	43.397	ug/l #	10

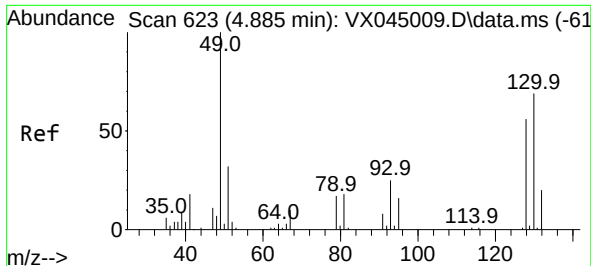
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 27 05:14:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

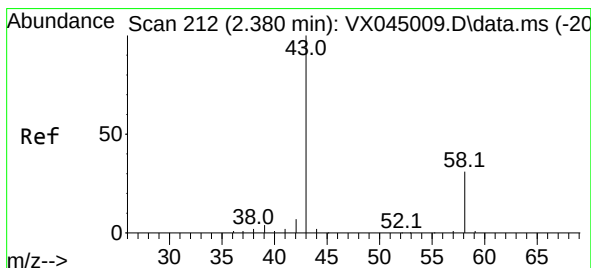
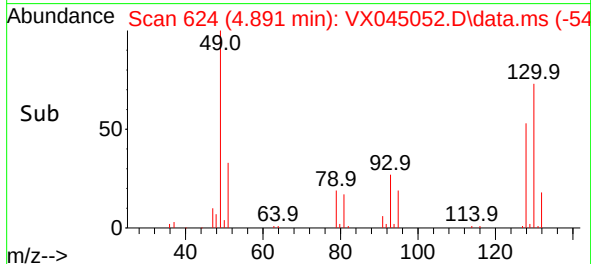
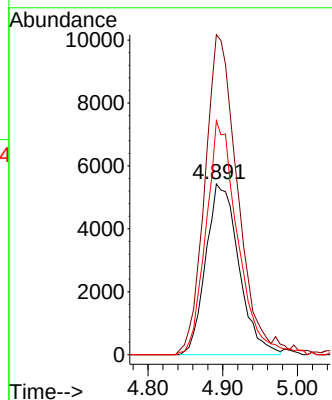
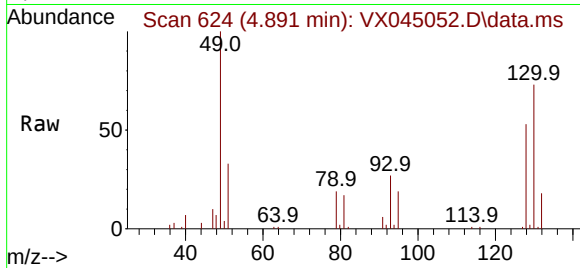




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

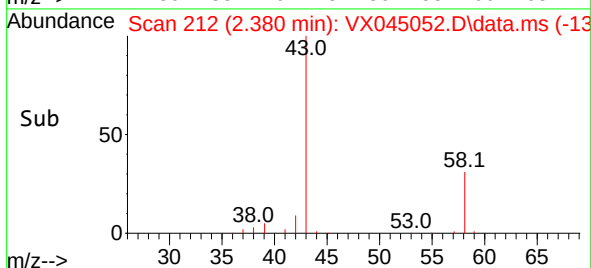
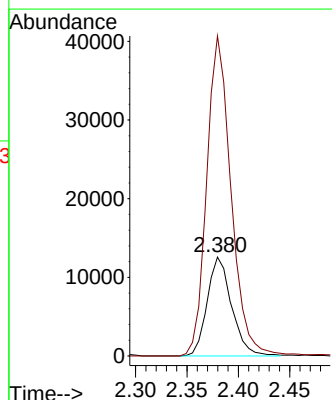
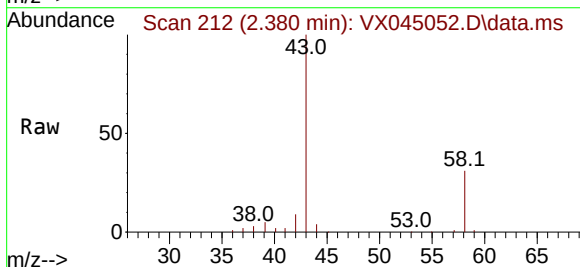
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001

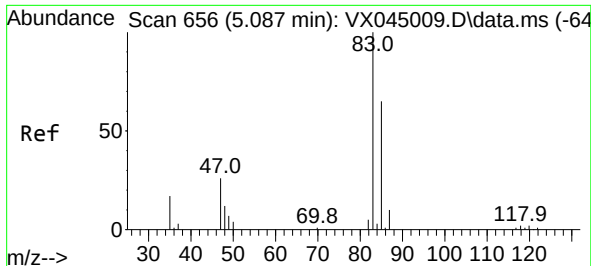
Tgt Ion:128 Resp: 16649
Ion Ratio Lower Upper
128 100
49 182.9 0.0 449.7
130 131.4 0.0 312.7



#15
Acetone
Concen: 105.456 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

Tgt Ion: 58 Resp: 20748
Ion Ratio Lower Upper
58 100
43 323.8 258.6 388.0





#25

Chloroform

Concen: 9.874 ug/l

RT: 5.093 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX045052.D

Acq: 26 Feb 2025 13:29

Instrument :

MSVOA_X

ClientSampleId :

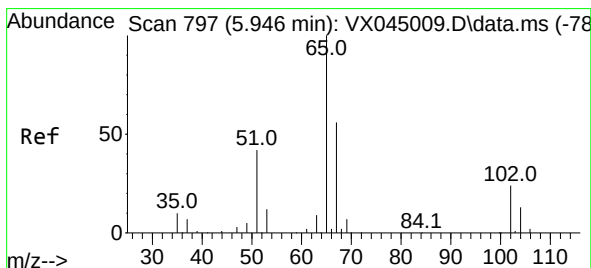
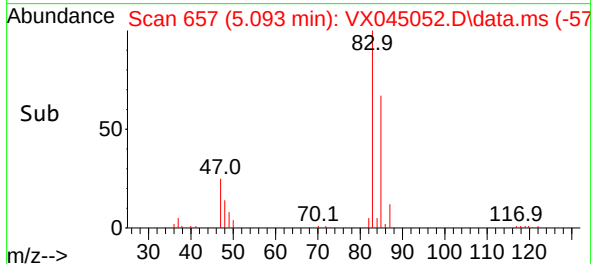
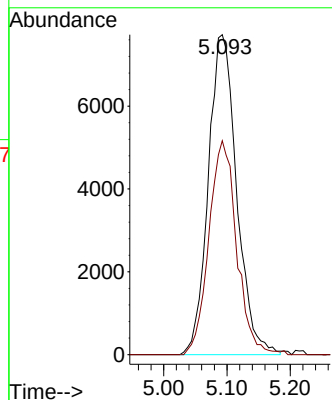
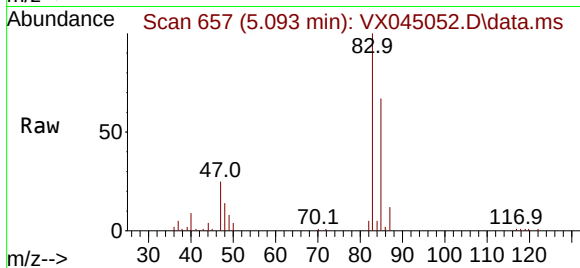
OUTFALL-DSN-001

Tgt Ion: 83 Resp: 24110

Ion Ratio Lower Upper

83 100

85 66.8 51.7 77.5



#27

1,2-Dichloroethane-d4

Concen: 31.029 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX045052.D

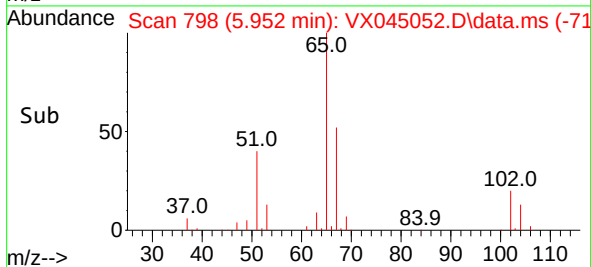
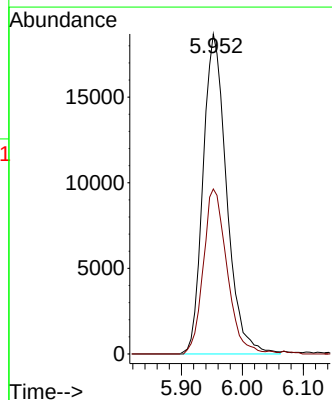
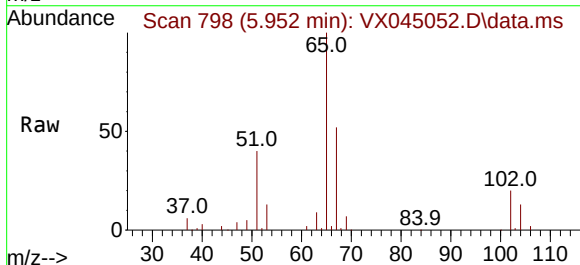
Acq: 26 Feb 2025 13:29

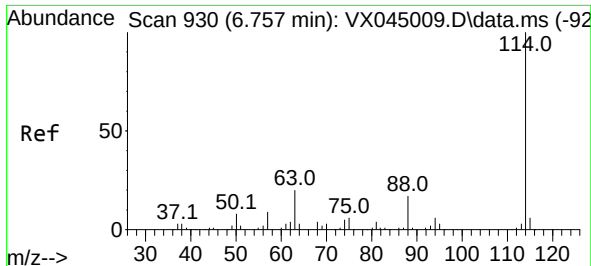
Tgt Ion: 65 Resp: 50176

Ion Ratio Lower Upper

65 100

67 51.7 42.6 64.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX045052.D

Acq: 26 Feb 2025 13:29

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL-DSN-001

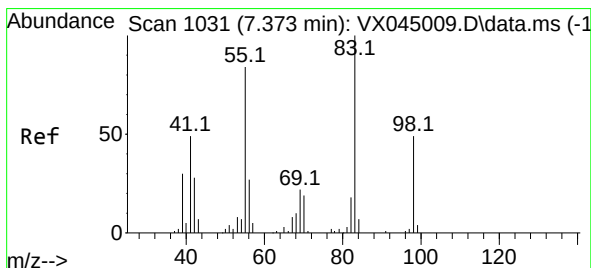
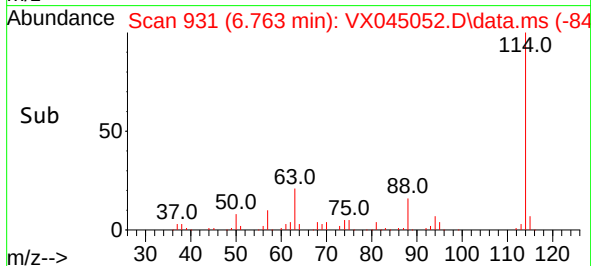
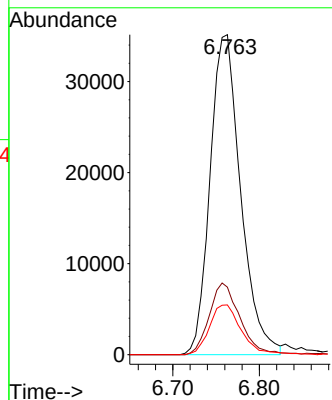
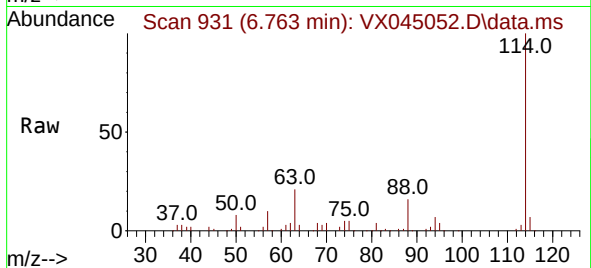
Tgt Ion:114 Resp: 86265

Ion Ratio Lower Upper

114 100

63 22.3 16.8 25.2

88 16.3 12.7 19.1



#38

Methylcyclohexane

Concen: 4.243 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.451 min

Lab File: VX045052.D

Acq: 26 Feb 2025 13:29

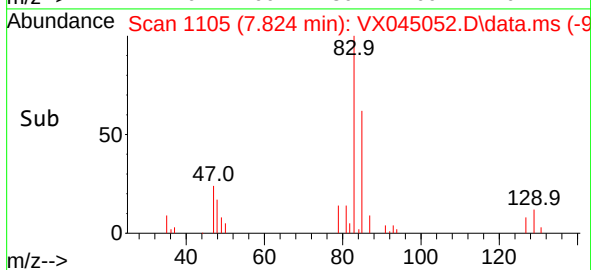
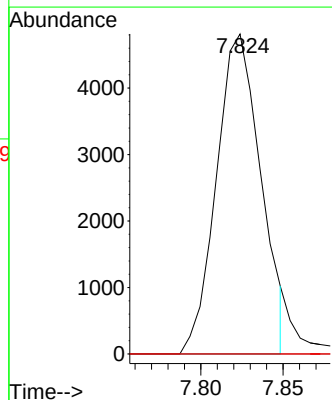
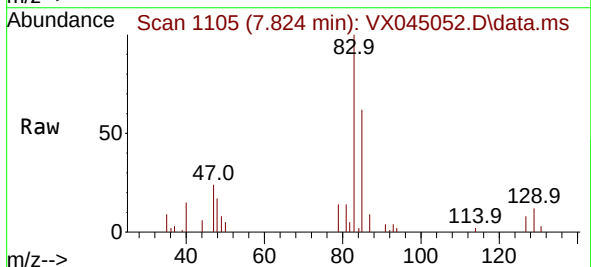
Tgt Ion: 83 Resp: 9040

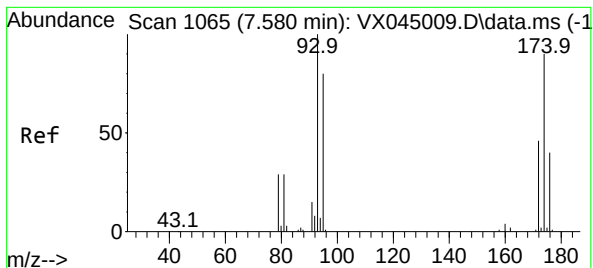
Ion Ratio Lower Upper

83 100

55 0.0 40.6 122.0#

98 0.0 24.9 74.6#





#40

Dibromomethane

Concen: 0.321 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.244 min

Lab File: VX045052.D

Acq: 26 Feb 2025 13:29

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL-DSN-001

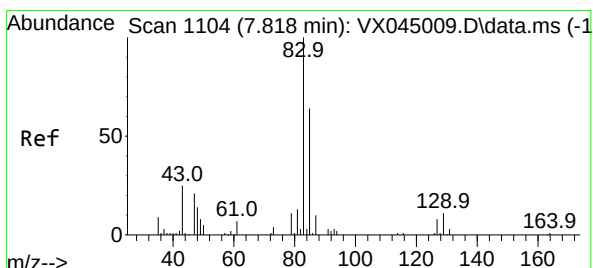
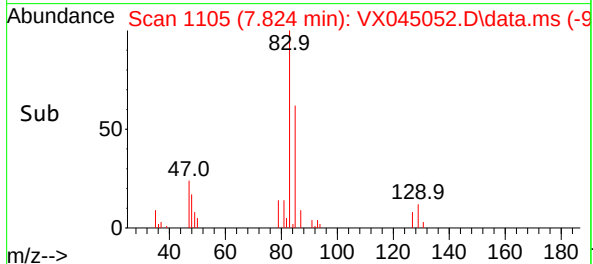
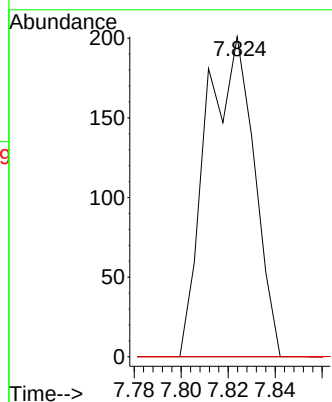
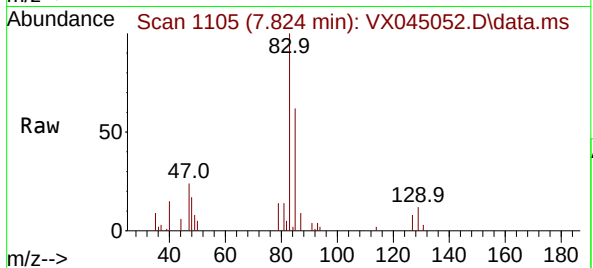
Tgt Ion: 93 Resp: 285

Ion Ratio Lower Upper

93 100

95 0.0 0.0 162.6

174 0.0 0.0 178.8



#41

Bromodichloromethane

Concen: 5.379 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX045052.D

Acq: 26 Feb 2025 13:29

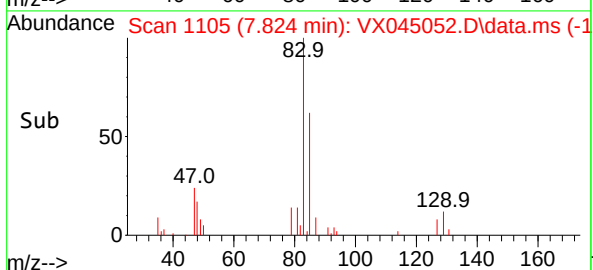
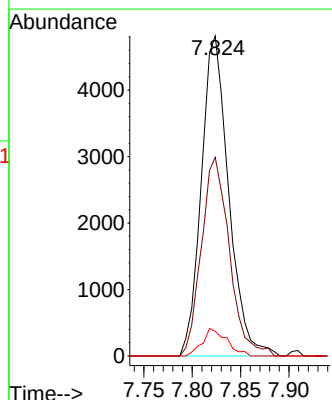
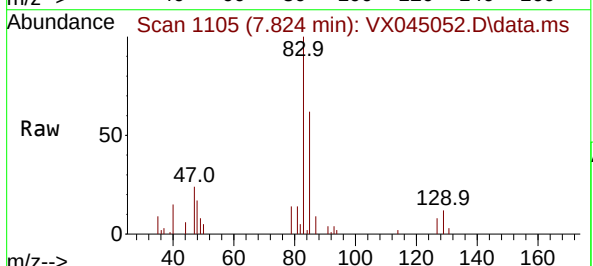
Tgt Ion: 83 Resp: 9492

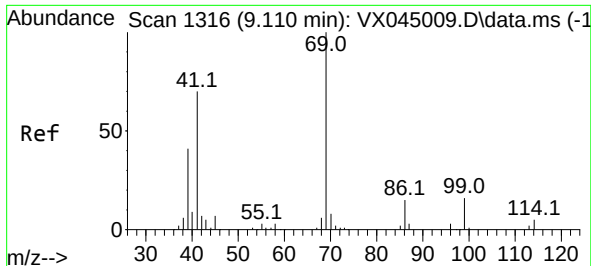
Ion Ratio Lower Upper

83 100

85 62.1 51.0 76.6

127 7.7 6.1 9.1

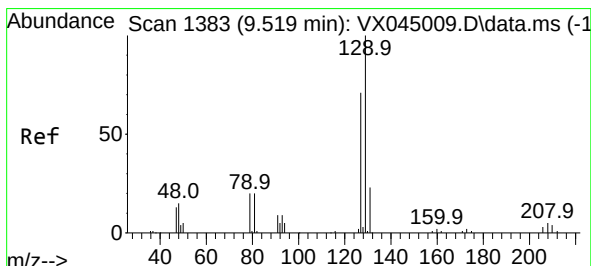
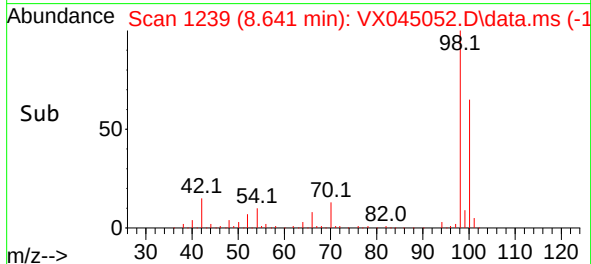
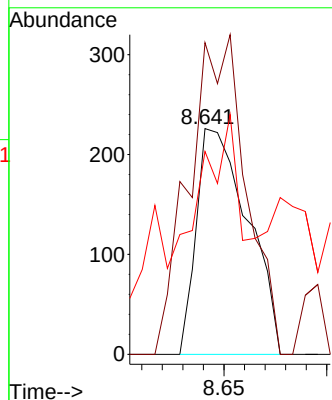
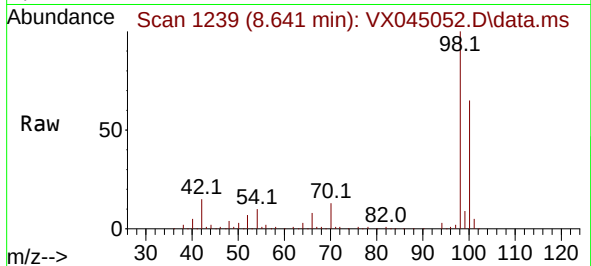




#51
Ethyl methacrylate
Concen: 0.215 ug/l
RT: 8.641 min Scan# 11
Delta R.T. -0.469 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

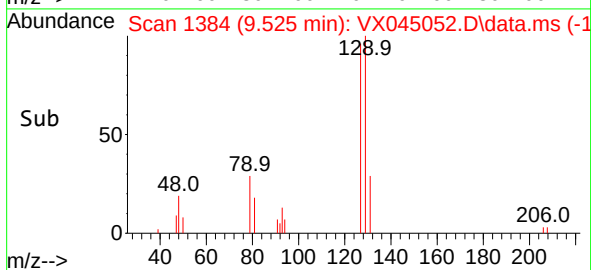
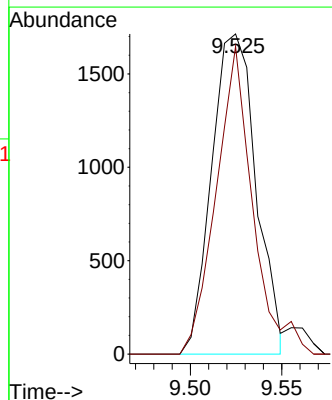
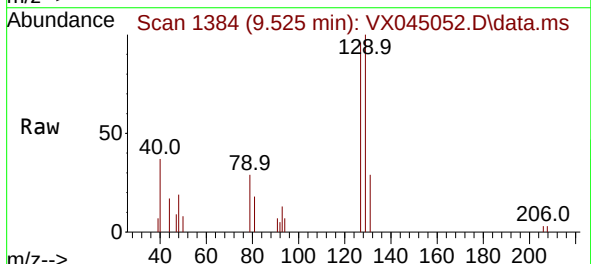
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001

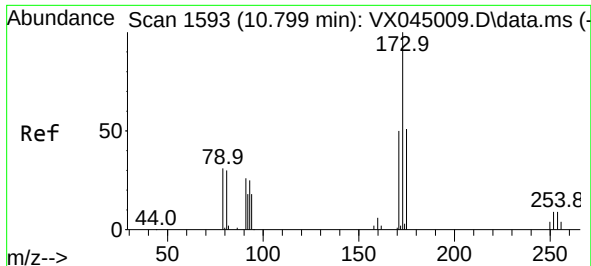
Tgt Ion: 69 Resp: 392
Ion Ratio Lower Upper
69 100
41 138.1 35.1 105.3#
39 36.7 20.5 61.6



#53
Dibromochloromethane
Concen: 2.267 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

Tgt Ion:129 Resp: 2903
Ion Ratio Lower Upper
129 100
127 76.4 37.3 111.9

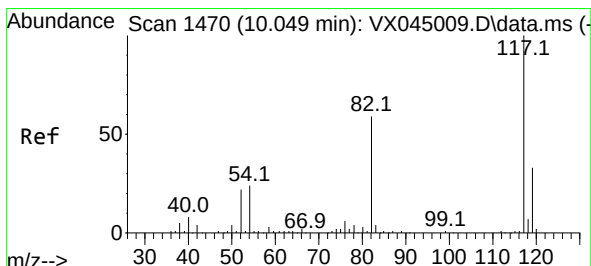
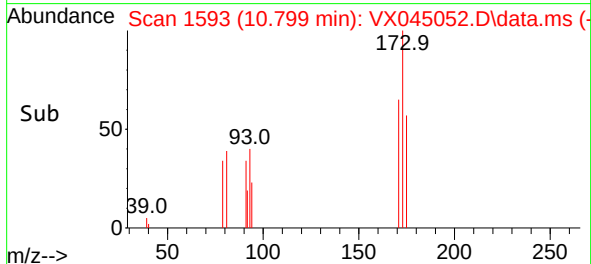
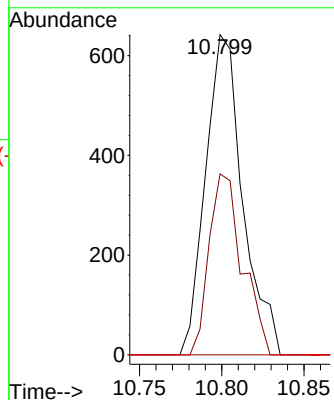
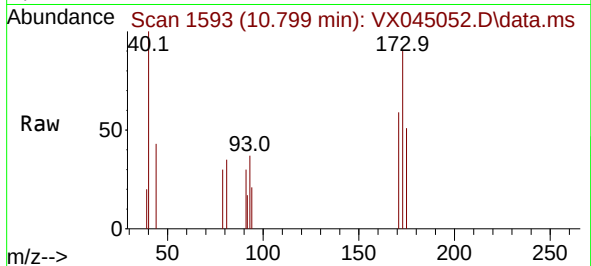




#56
Bromoform
Concen: 1.261 ug/l
RT: 10.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

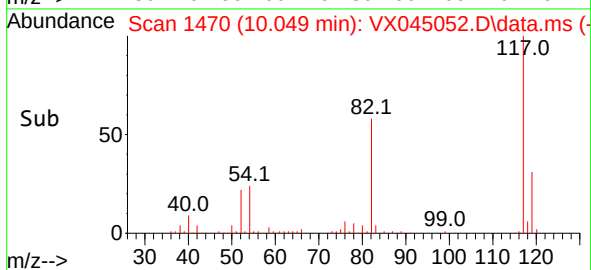
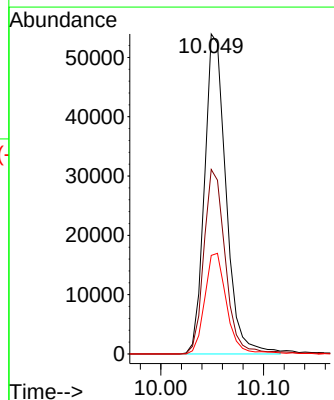
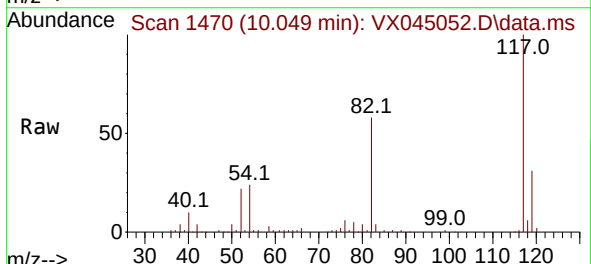
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ClientSampleId :
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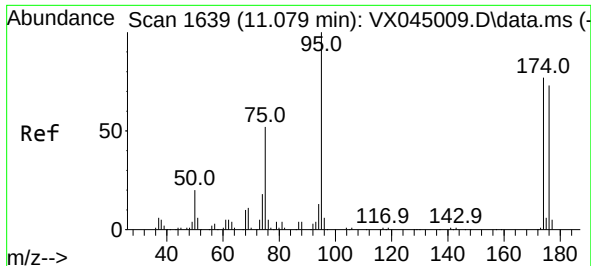
Tgt Ion:173 Resp: 1012
Ion Ratio Lower Upper
173 100
175 50.7 39.6 59.4
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

Tgt Ion:117 Resp: 78548
Ion Ratio Lower Upper
117 100
82 57.1 45.8 68.8
119 31.4 25.5 38.3

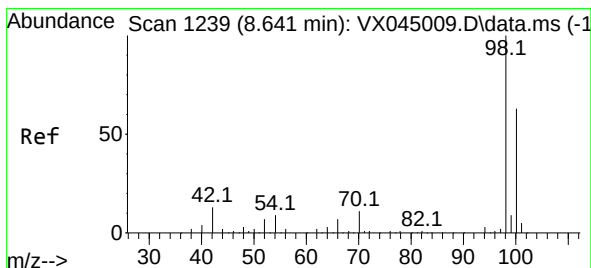
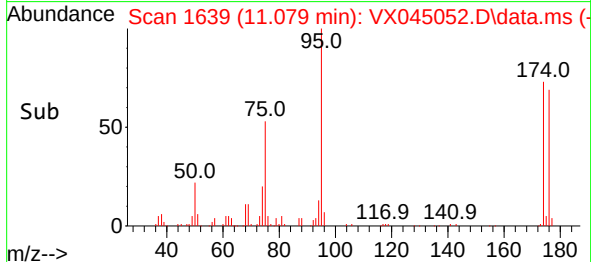
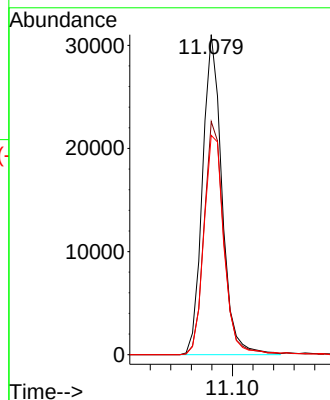
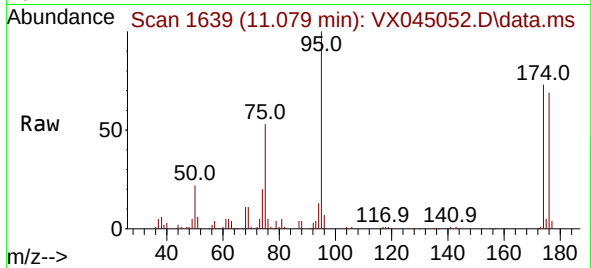




#60
4-Bromofluorobenzene
Concen: 27.773 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

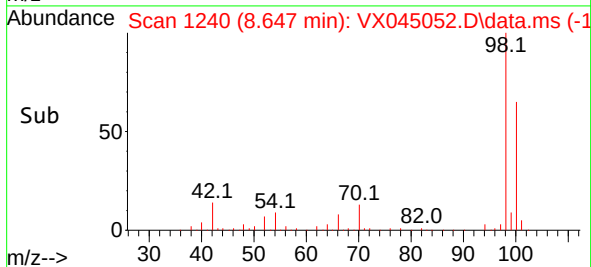
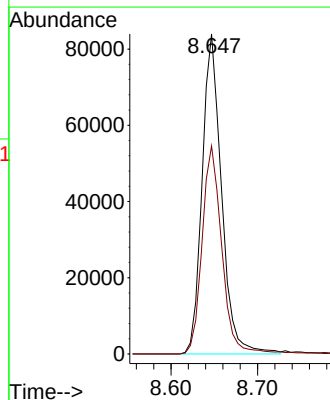
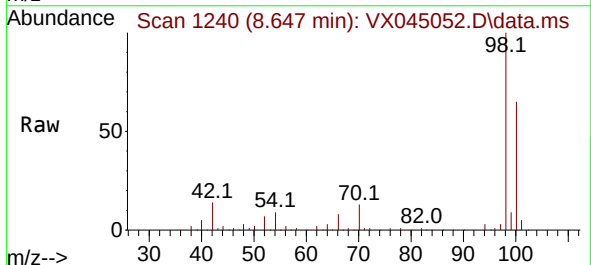
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001

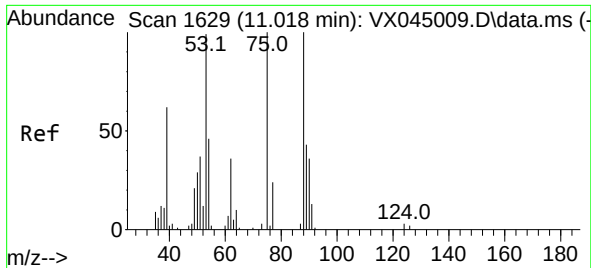
Tgt Ion: 95 Resp: 40775
Ion Ratio Lower Upper
95 100
174 73.6 59.5 89.3
176 71.8 55.5 83.3



#63
Toluene-d8
Concen: 30.071 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

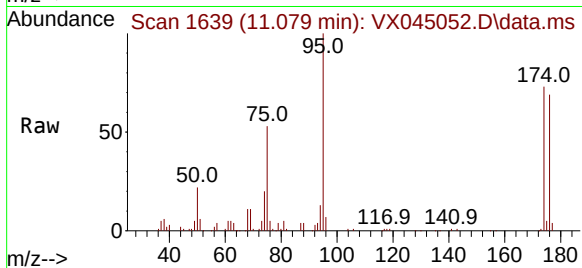
Tgt Ion: 98 Resp: 130672
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5





#77
t-1,4-Dichloro-2-butene
Concen: 43.397 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045052.D
Acq: 26 Feb 2025 13:29

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-001



Tgt Ion: 75 Resp: 21222
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

