

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045053.D
 Acq On : 26 Feb 2025 13:52
 Operator : JC/MD
 Sample : Q1429-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-DSN-002

Quant Time: Feb 27 05:14:40 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)

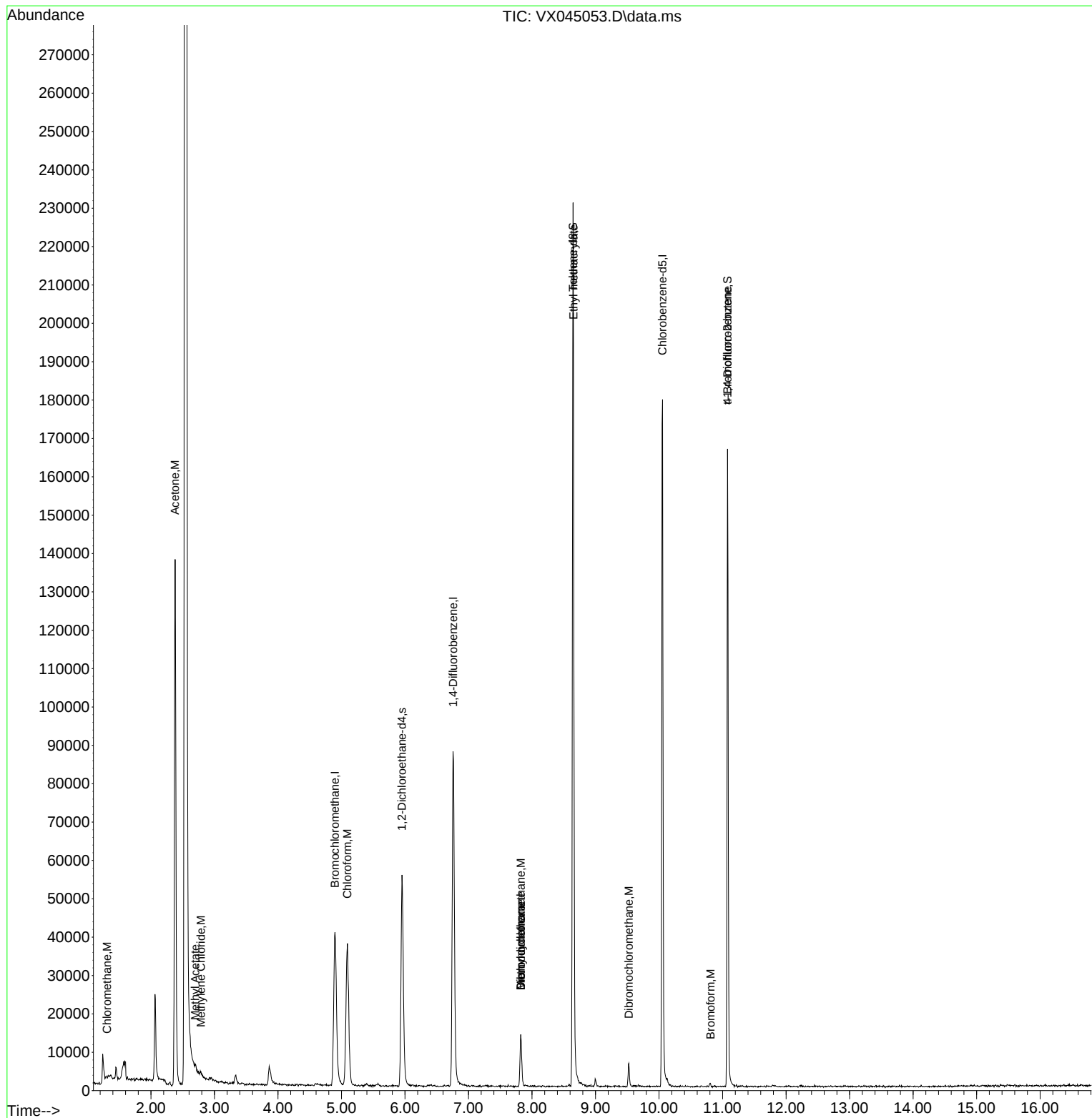
Internal Standards						
1) Bromochloromethane	4.897	128	16856	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	90840	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81481	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	49789	30.412	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.367%
60) 4-Bromofluorobenzene	11.079	95	43874	28.808	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.033%
63) Toluene-d8	8.647	98	132636	29.424	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.067%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	493	0.290	ug/l #	84
12) Methyl Acetate	2.697	43	2302	1.548	ug/l #	53
15) Acetone	2.380	58	43707	219.421	ug/l	92
18) Methylene Chloride	2.788	84	421	0.292	ug/l #	79
25) Chloroform	5.092	83	43191	17.470	ug/l	99
38) Methylcyclohexane	7.824	83	8428	3.756	ug/l #	16
40) Dibromomethane	7.824	93	232	0.248	ug/l #	7
41) Bromodichloromethane	7.824	83	8841	4.758	ug/l #	97
51) Ethyl methacrylate	8.653	69	516	0.269	ug/l #	79
53) Dibromochloromethane	9.525	129	2845	2.109	ug/l	97
56) Bromoform	10.811	173	381	0.451	ug/l #	58
77) t-1,4-Dichloro-2-butene	11.079	75	23025	45.389	ug/l #	10

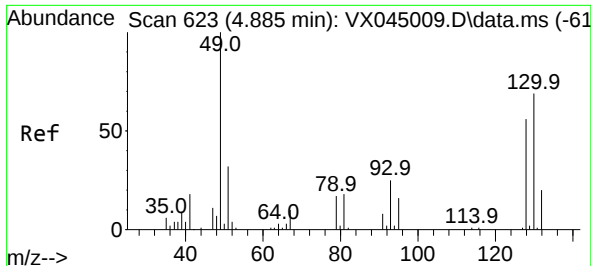
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

Quant Time: Feb 27 05:14:40 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

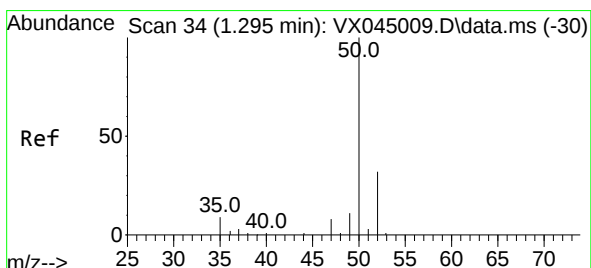
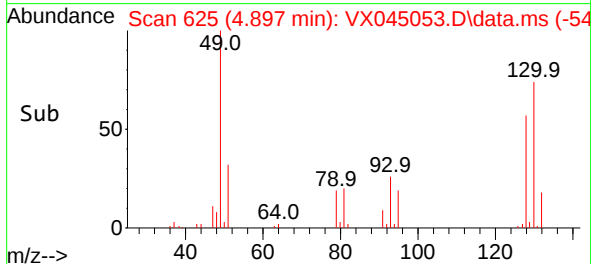
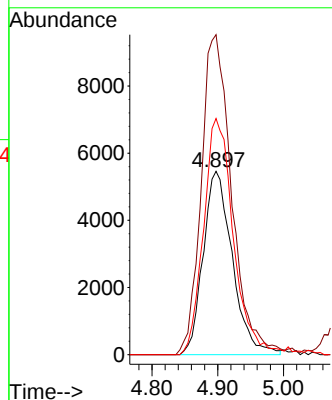
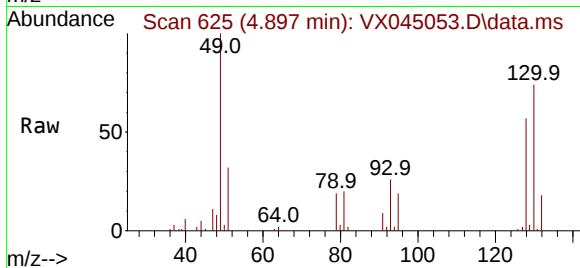




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

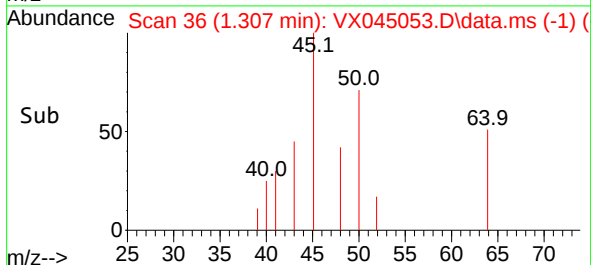
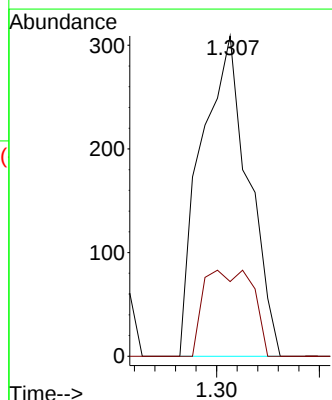
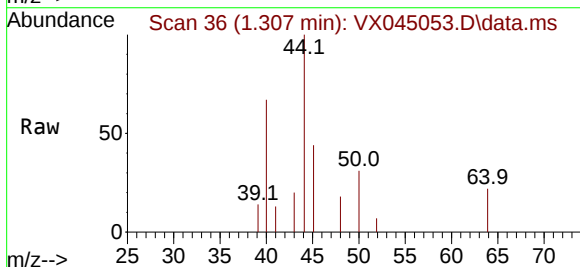
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

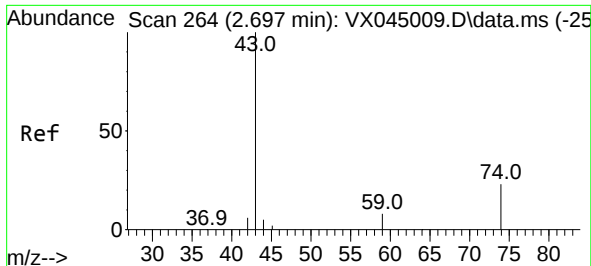
Tgt Ion:128 Resp: 16856
Ion Ratio Lower Upper
128 100
49 180.0 0.0 449.7
130 130.7 0.0 312.7



#3
Chloromethane
Concen: 0.290 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 50 Resp: 493
Ion Ratio Lower Upper
50 100
52 23.3 25.7 38.5#

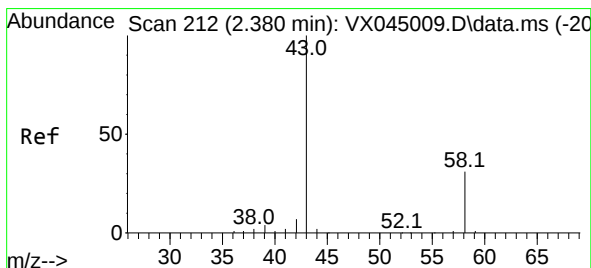
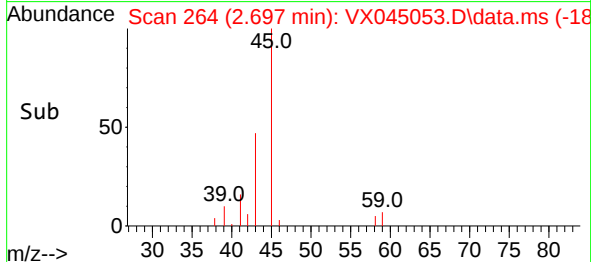
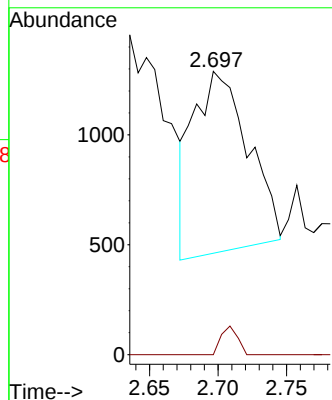
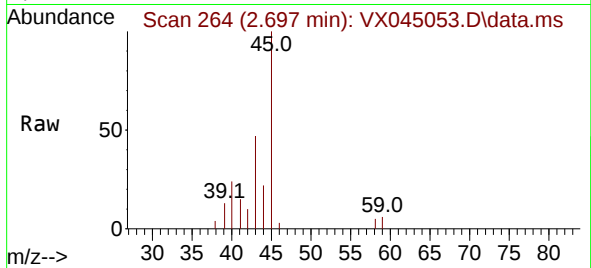




#12
Methyl Acetate
Concen: 1.548 ug/l
RT: 2.697 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

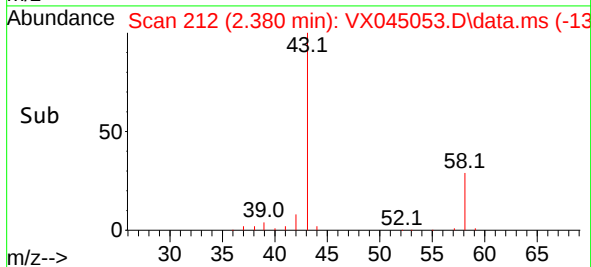
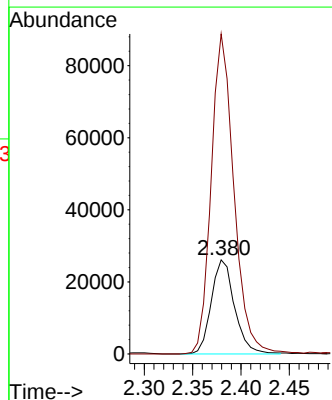
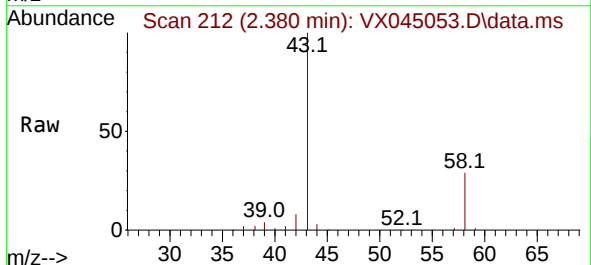
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

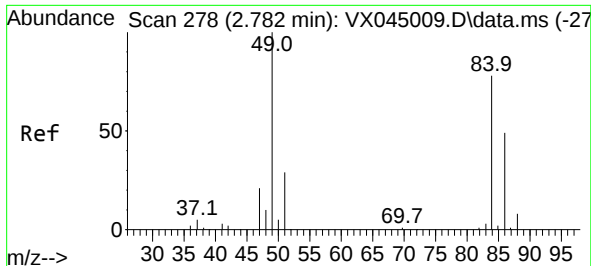
Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#15
Acetone
Concen: 219.421 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 58 Resp: 43707
Ion Ratio Lower Upper
58 100
43 340.1 258.6 388.0

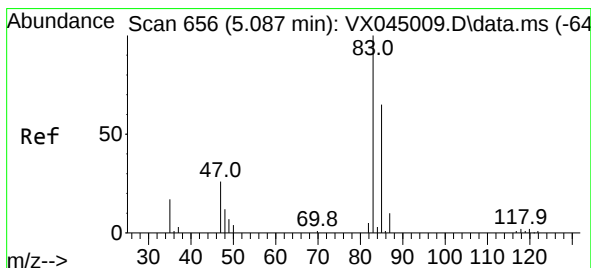
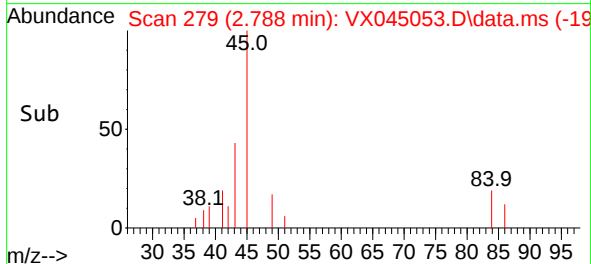
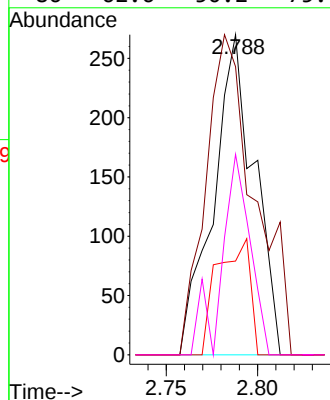
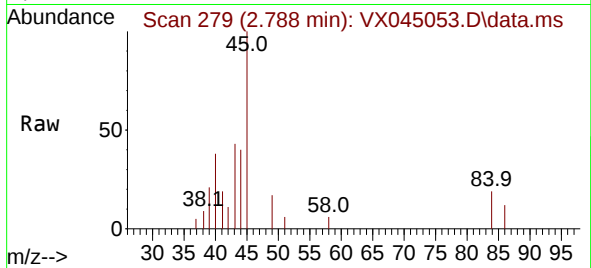




#18
Methylene Chloride
Concen: 0.292 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

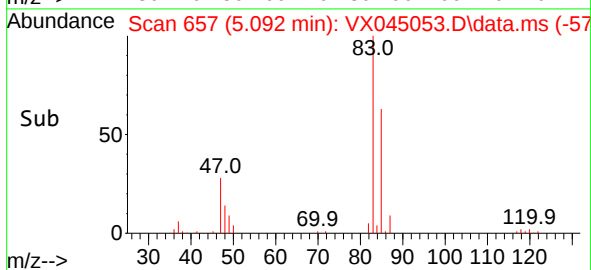
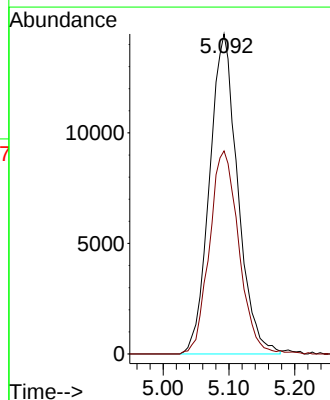
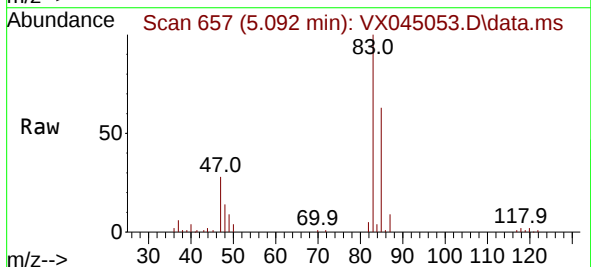
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

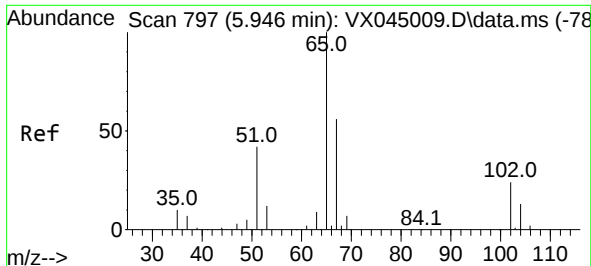
Tgt Ion:	84	Resp:	421
Ion	Ratio	Lower	Upper
84	100		
49	90.0	102.8	154.2#
51	29.3	30.1	45.1#
86	62.6	50.2	75.4



#25
Chloroform
Concen: 17.470 ug/l
RT: 5.092 min Scan# 657
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion:	83	Resp:	43191
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.7	77.5





#27

1,2-Dichloroethane-d4

Concen: 30.412 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX045053.D

Acq: 26 Feb 2025 13:52

Instrument :

MSVOA_X

ClientSampleId :

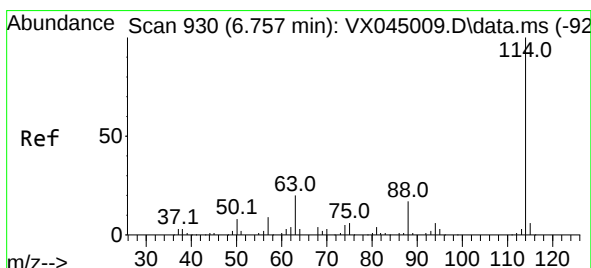
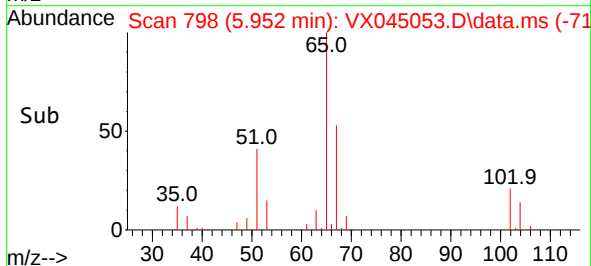
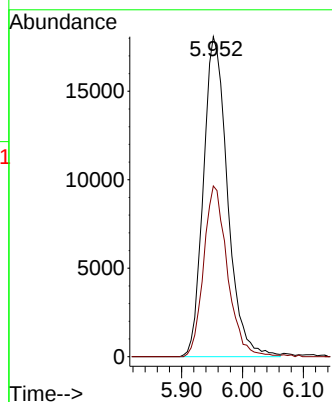
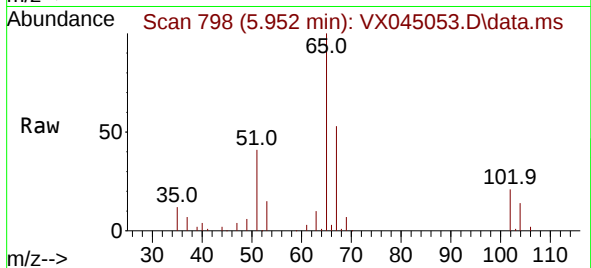
OUTFALL-DSN-002

Tgt Ion: 65 Resp: 49789

Ion Ratio Lower Upper

65 100

67 52.5 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045053.D

Acq: 26 Feb 2025 13:52

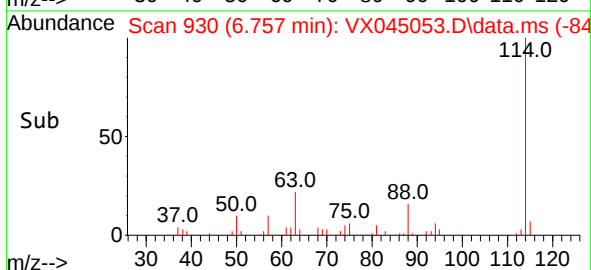
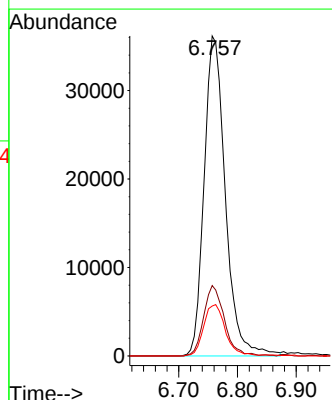
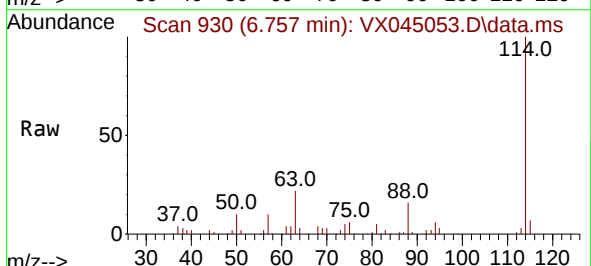
Tgt Ion: 114 Resp: 90840

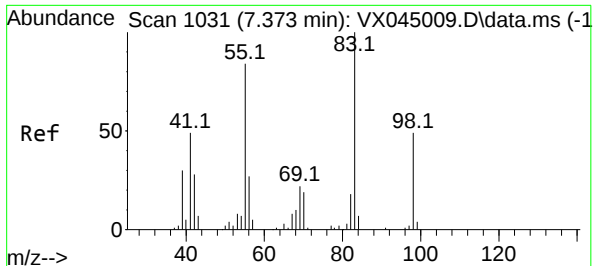
Ion Ratio Lower Upper

114 100

63 21.1 16.8 25.2

88 16.4 12.7 19.1

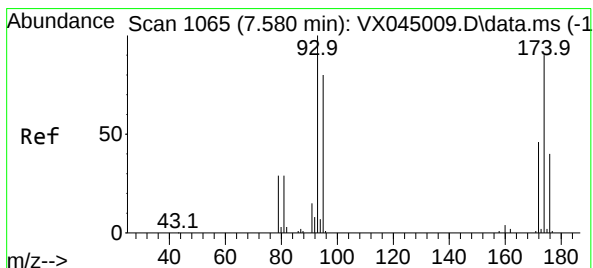
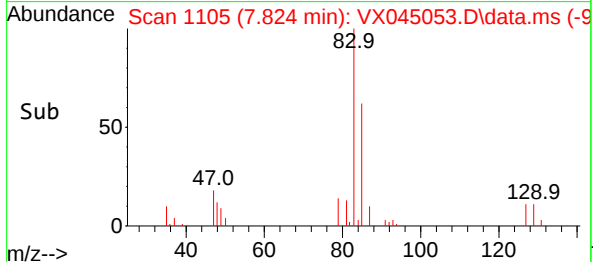
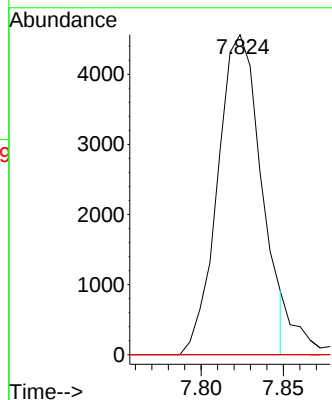
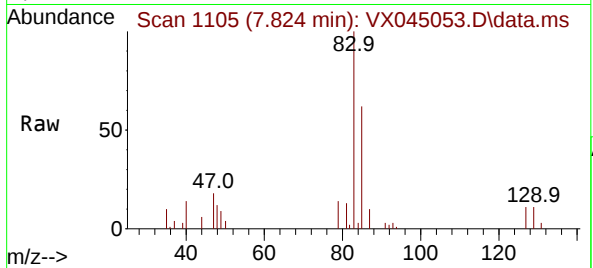




#38
Methylcyclohexane
Concen: 3.756 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.451 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

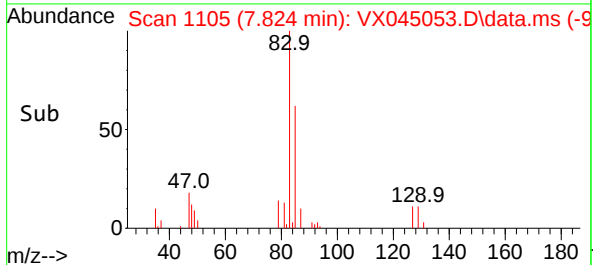
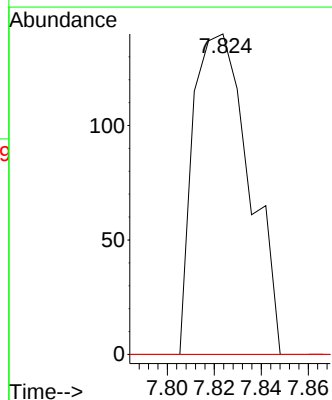
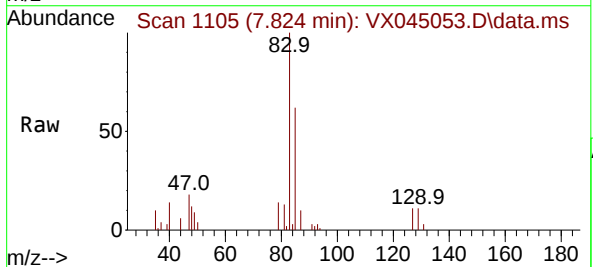
Instrument :
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ClientSampleId :
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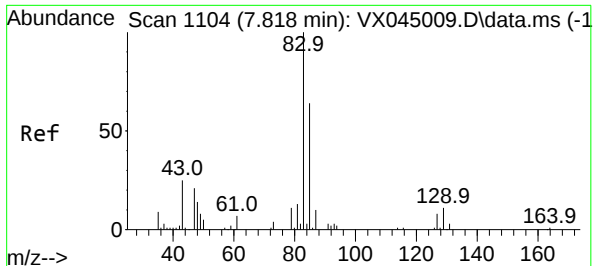
Tgt Ion: 83 Resp: 8428
Ion Ratio Lower Upper
83 100
55 0.0 40.6 122.0#
98 0.0 24.9 74.6#



#40
Dibromomethane
Concen: 0.248 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.244 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 93 Resp: 232
Ion Ratio Lower Upper
93 100
95 0.0 0.0 162.6
174 0.0 0.0 178.8

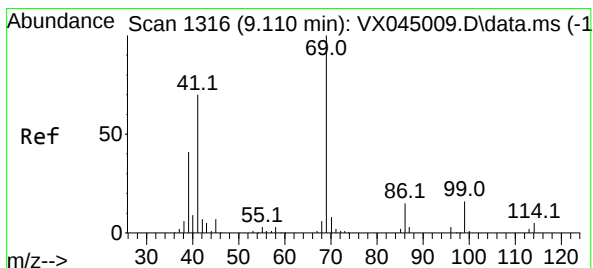
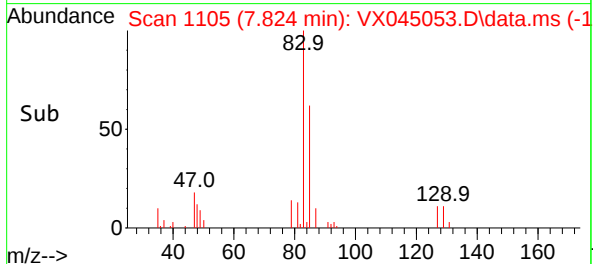
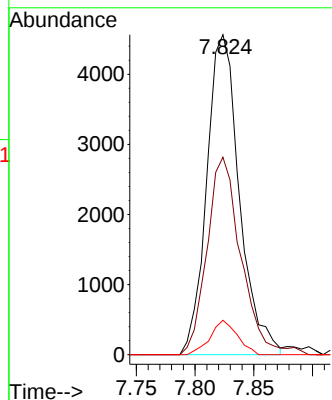
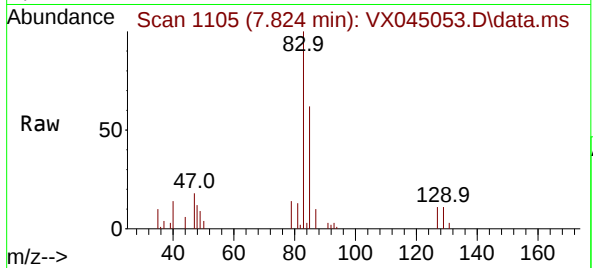




#41
Bromodichloromethane
Concen: 4.758 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

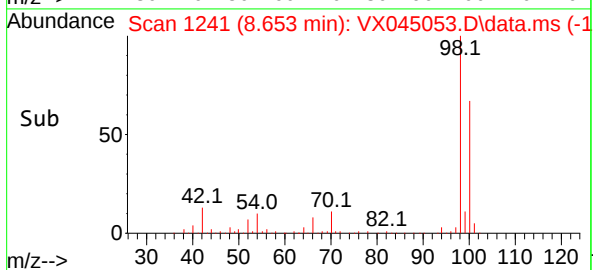
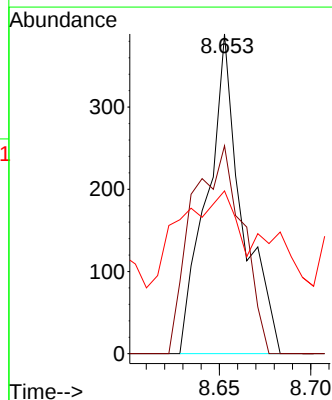
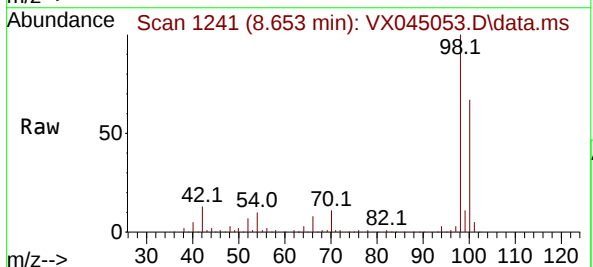
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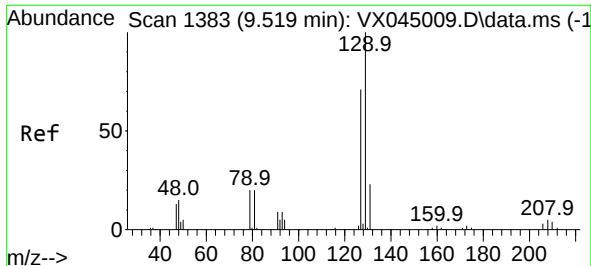
Tgt Ion: 83 Resp: 8841
Ion Ratio Lower Upper
83 100
85 61.7 51.0 76.6
127 10.7 6.1 9.1#



#51
Ethyl methacrylate
Concen: 0.269 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.457 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 69 Resp: 516
Ion Ratio Lower Upper
69 100
41 65.0 35.1 105.3
39 12.9 20.5 61.6#

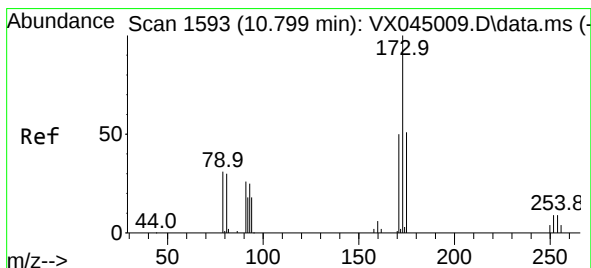
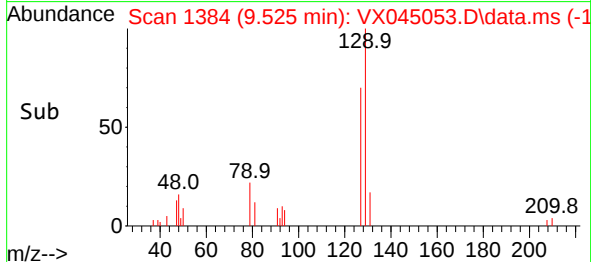
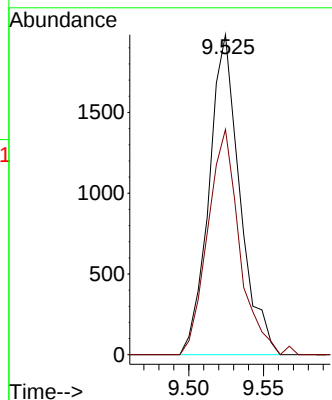
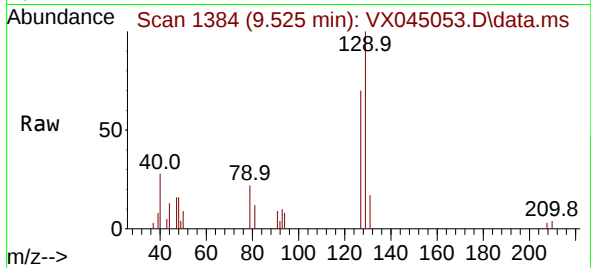




#53
Dibromochloromethane
Concen: 2.109 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

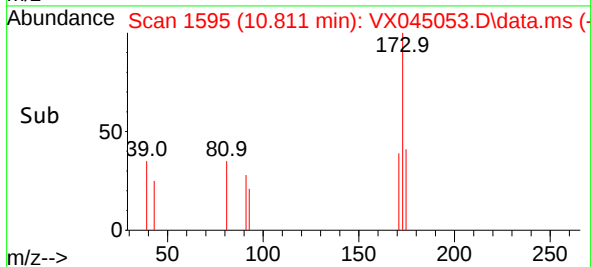
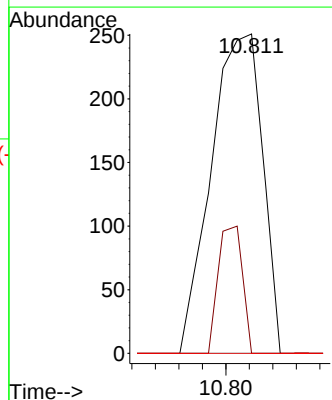
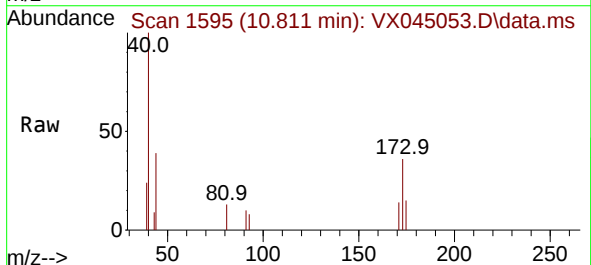
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

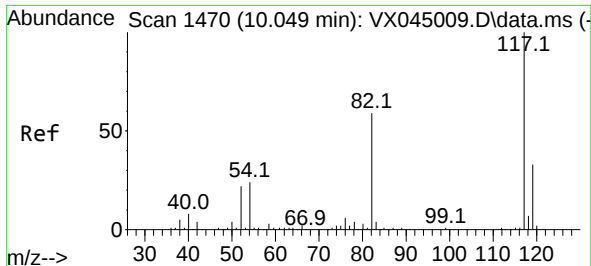
Tgt Ion:129 Resp: 2845
Ion Ratio Lower Upper
129 100
127 72.3 37.3 111.9



#56
Bromoform
Concen: 0.451 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. 0.012 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion:173 Resp: 381
Ion Ratio Lower Upper
173 100
175 18.9 39.6 59.4#
254 0.0 6.3 9.5#

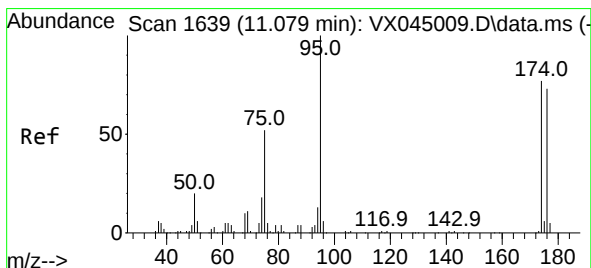
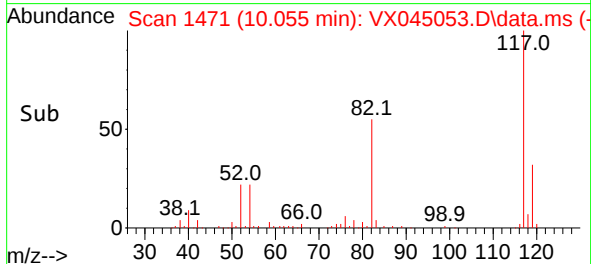
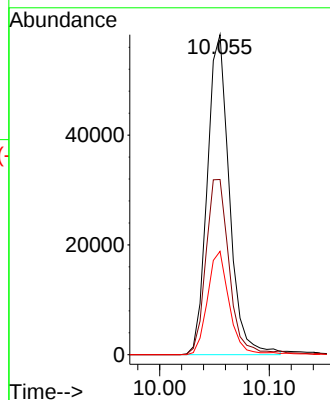
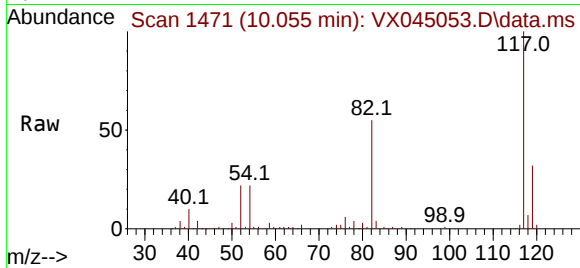




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

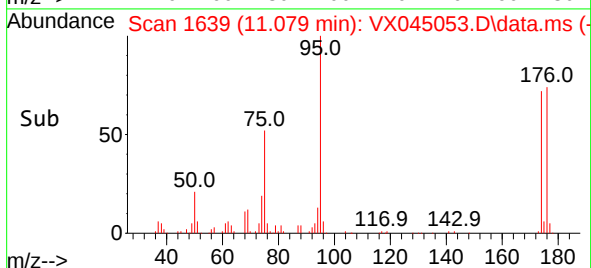
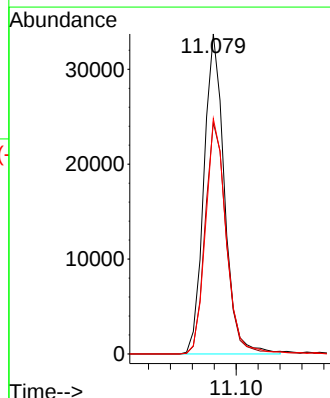
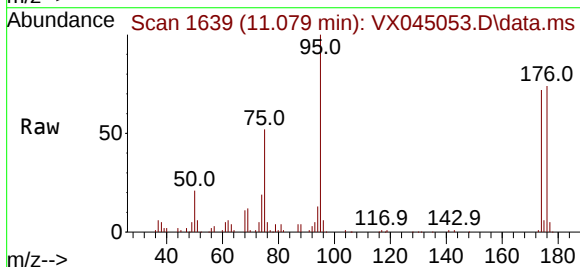
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

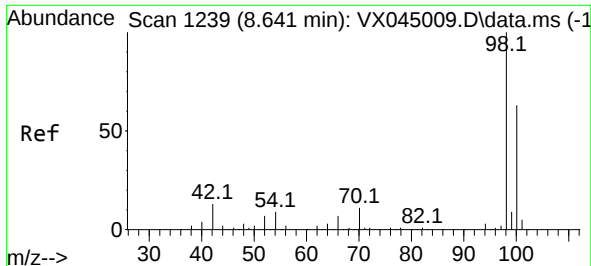
Tgt Ion:117 Resp: 81481
Ion Ratio Lower Upper
117 100
82 57.7 45.8 68.8
119 31.4 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 28.808 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 95 Resp: 43874
Ion Ratio Lower Upper
95 100
174 73.9 59.5 89.3
176 73.4 55.5 83.3

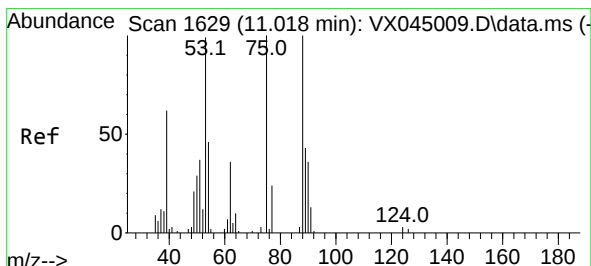
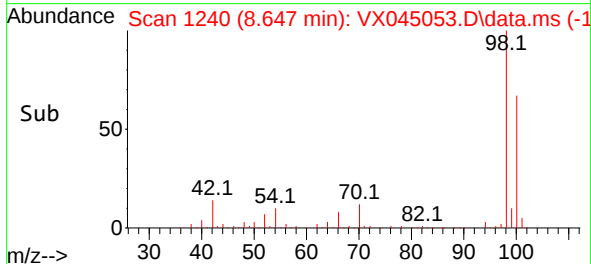
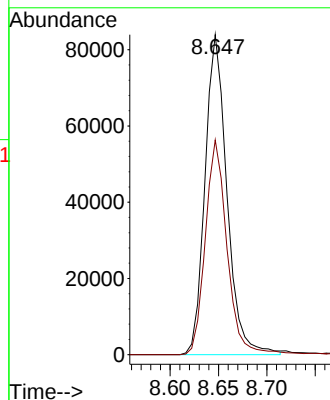
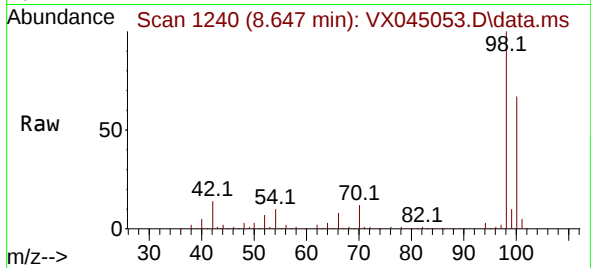




#63
Toluene-d8
Concen: 29.424 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

Tgt Ion: 98 Resp: 132636
Ion Ratio Lower Upper
98 100
100 66.5 51.7 77.5



#77
t-1,4-Dichloro-2-butene
Concen: 45.389 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045053.D
Acq: 26 Feb 2025 13:52

Tgt Ion: 75 Resp: 23025
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

