

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052323\
 Data File : VX035817.D
 Acq On : 23 May 2023 16:29
 Operator : JC/MD
 Sample : 02872-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-DSN-002

Quant Time: May 24 05:50:14 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)

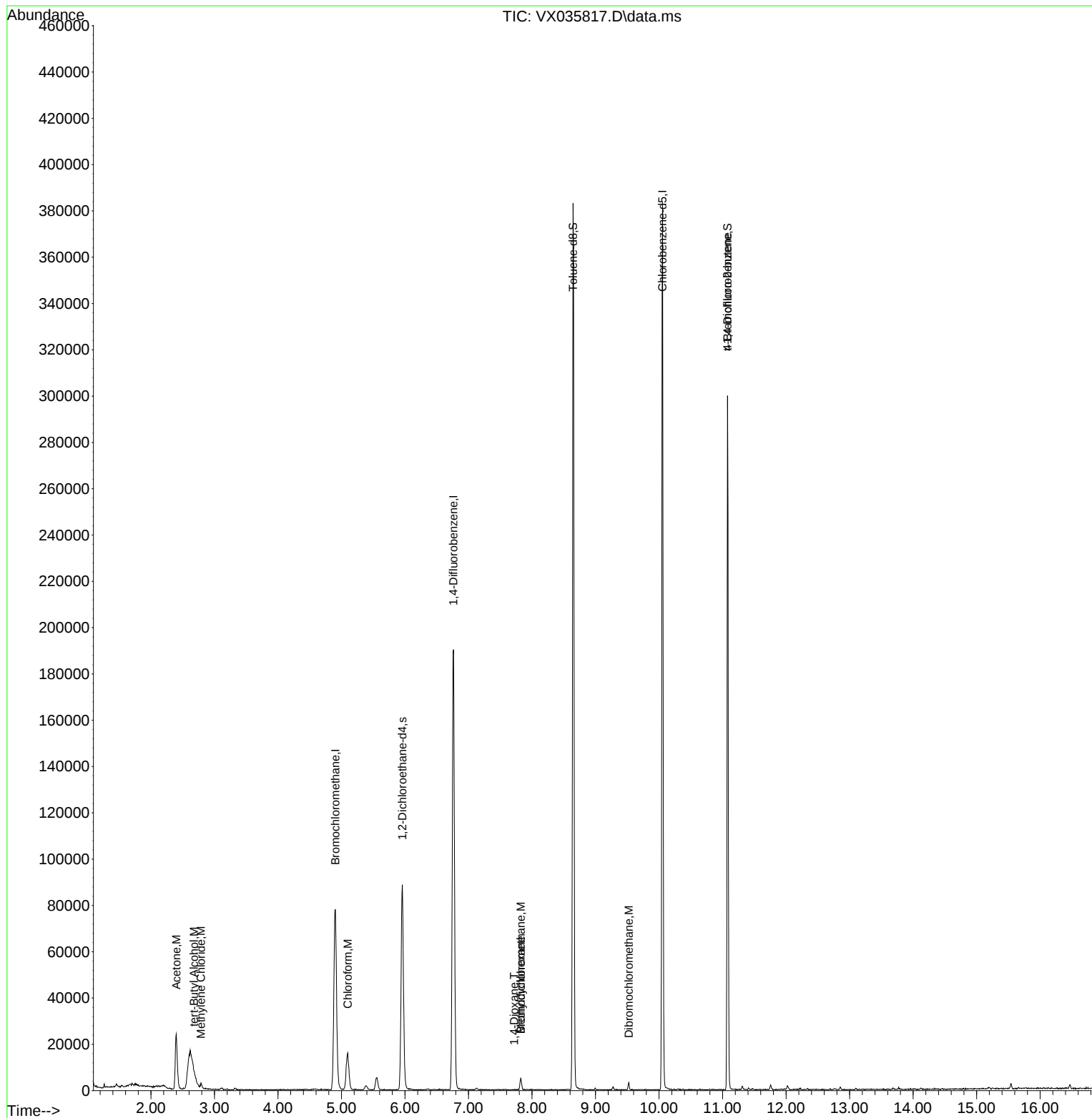
Internal Standards						
1) Bromochloromethane	4.904	128	31881	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	188523	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	165924	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	80795	30.500	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.667%			
60) 4-Bromofluorobenzene	11.079	95	77963	28.002	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.333%			
63) Toluene-d8	8.647	98	222100	30.279	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.933%			
Target Compounds						
					Qvalue	
15) Acetone	2.398	58	10645	31.438	ug/l	81
18) Methylene Chloride	2.788	84	625	0.300	ug/l #	86
23) tert-Butyl Alcohol	2.678	59	474	1.147	ug/l #	100
25) Chloroform	5.099	83	18318	4.893	ug/l	93
38) Methylcyclohexane	7.824	83	3215	1.117	ug/l #	18
41) Bromodichloromethane	7.824	83	3237	1.188	ug/l #	91
45) 1,4-Dioxane	7.720	88	55	1.084	ug/l #	77
53) Dibromochloromethane	9.525	129	1229	0.621	ug/l	86
77) t-1,4-Dichloro-2-butene	11.079	75	40381	46.987	ug/l #	4

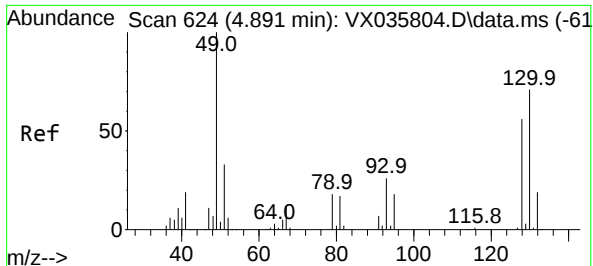
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 24 05:50:14 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

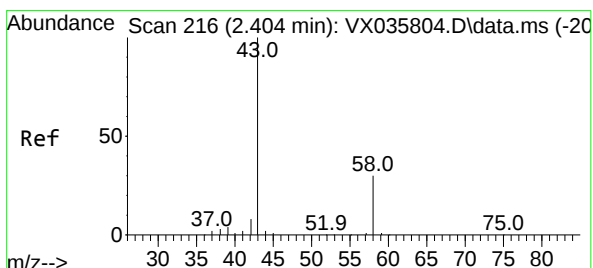
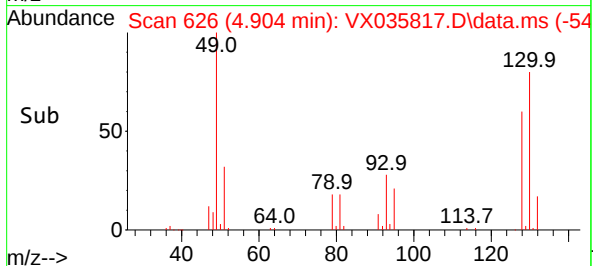
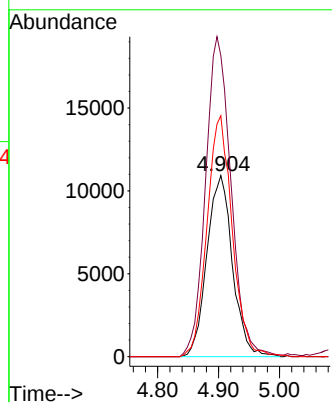
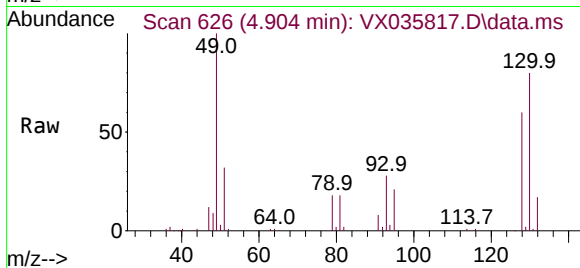




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

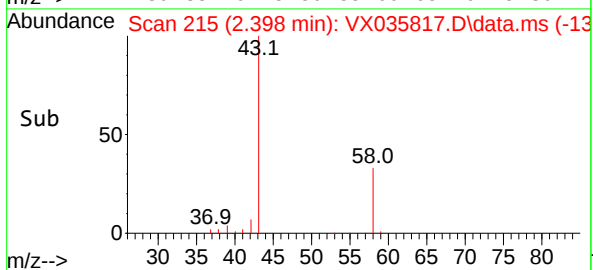
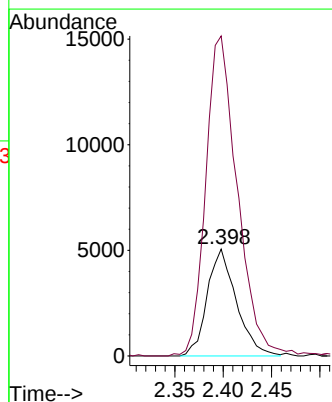
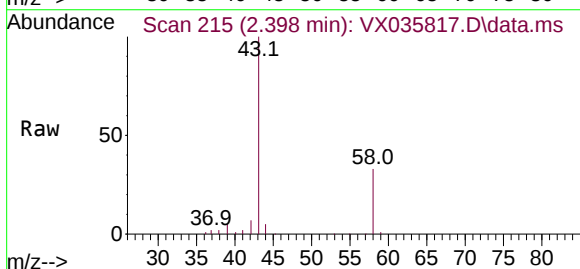
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

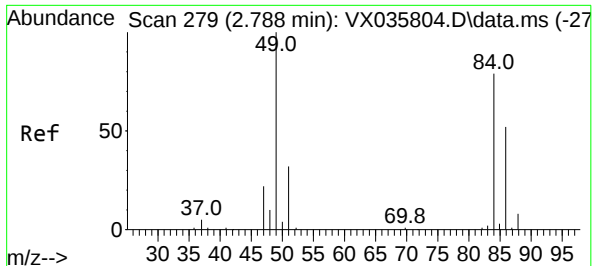
Tgt Ion:128 Resp: 31881
Ion Ratio Lower Upper
128 100
49 175.8 0.0 428.8
130 130.9 0.0 310.8



#15
Acetone
Concen: 31.438 ug/l
RT: 2.398 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

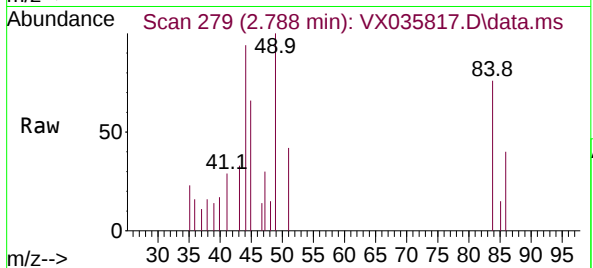
Tgt Ion: 58 Resp: 10645
Ion Ratio Lower Upper
58 100
43 298.1 270.8 406.2



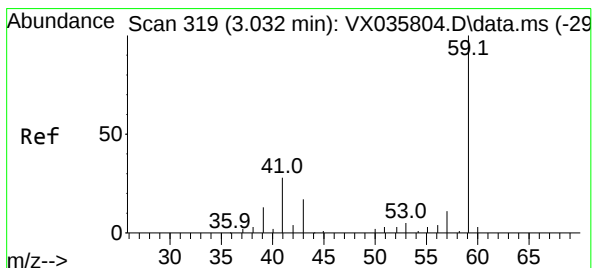
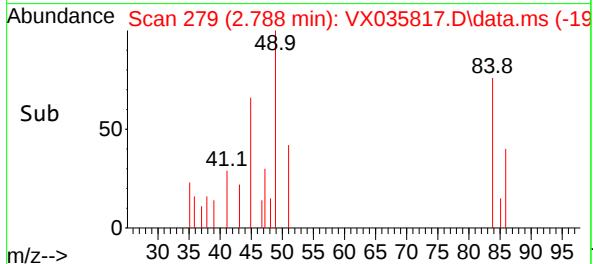
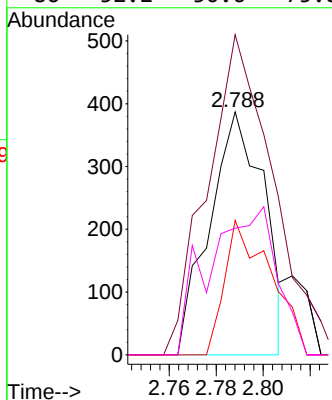


#18
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

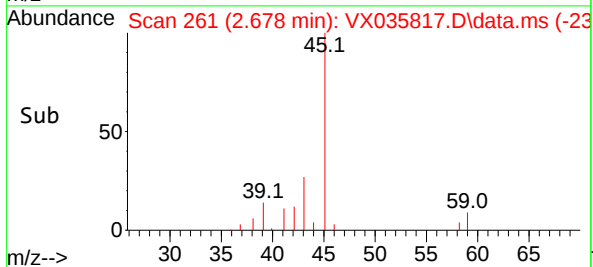
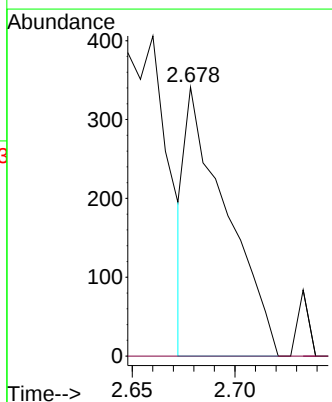
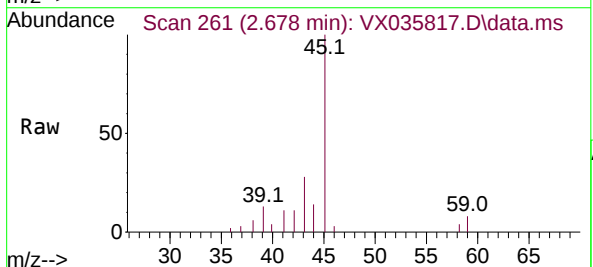


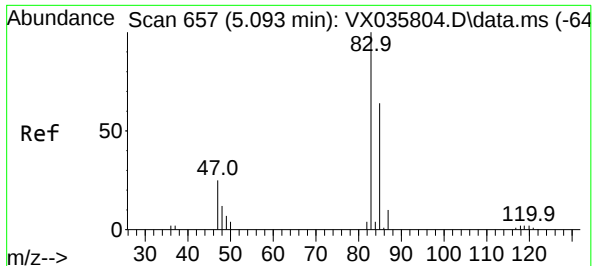
Tgt Ion:	84	Resp:	625
Ion	Ratio	Lower	Upper
84	100		
49	117.6	103.9	155.9
51	55.3	30.6	45.8#
86	52.2	50.6	75.8



#23
tert-Butyl Alcohol
Concen: 1.147 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.354 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

Tgt Ion:	59	Resp:	474
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.2	0.4#





#25

Chloroform

Concen: 4.893 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX035817.D

Acq: 23 May 2023 16:29

Instrument :

MSVOA_X

ClientSampleId :

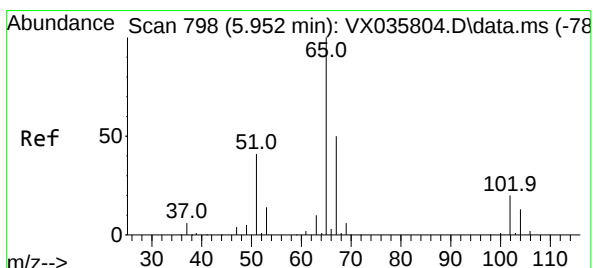
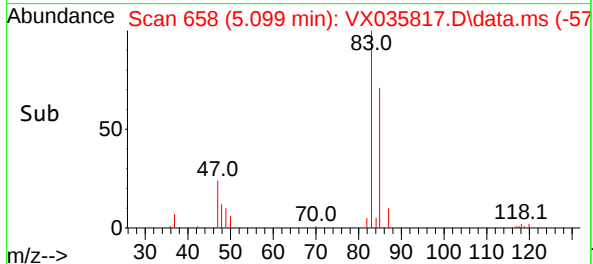
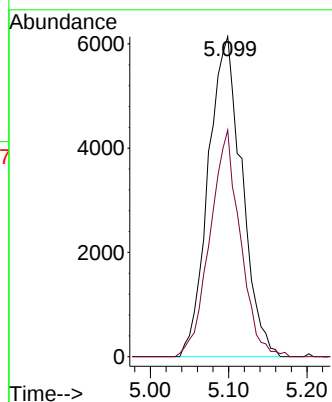
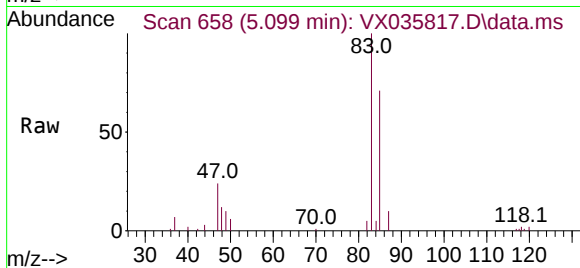
OUTFALL-DSN-002

Tgt Ion: 83 Resp: 18318

Ion Ratio Lower Upper

83 100

85 69.8 51.2 76.8



#27

1,2-Dichloroethane-d4

Concen: 30.500 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX035817.D

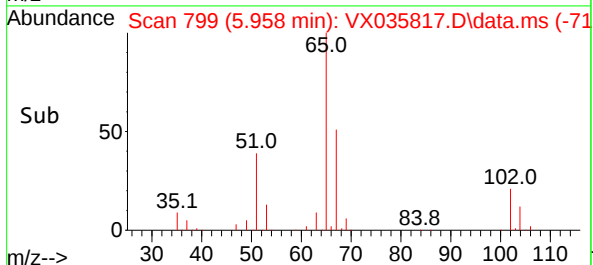
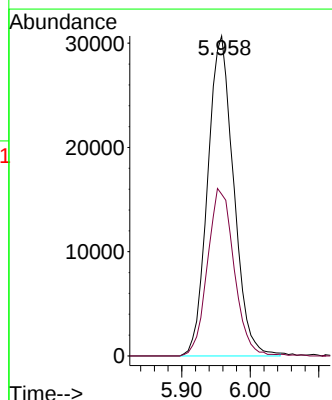
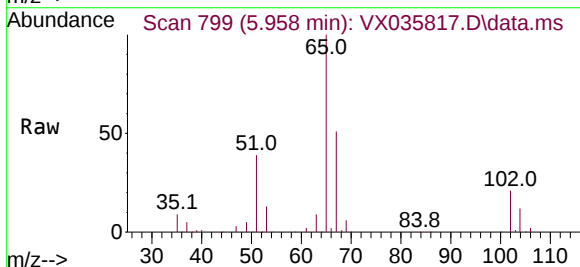
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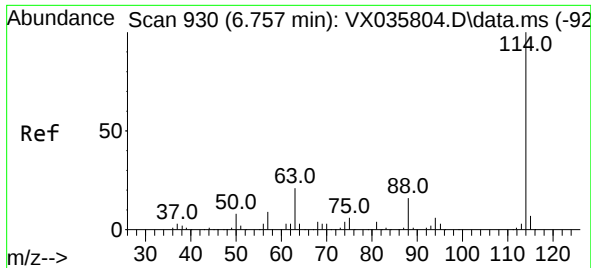
Tgt Ion: 65 Resp: 80795

Ion Ratio Lower Upper

65 100

67 53.4 40.9 61.3

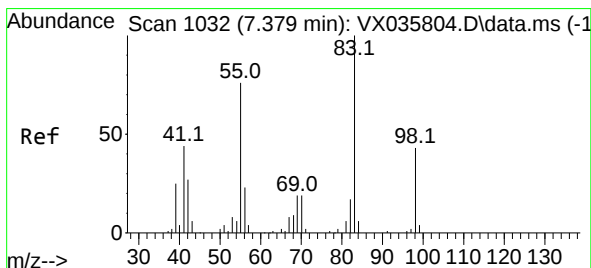
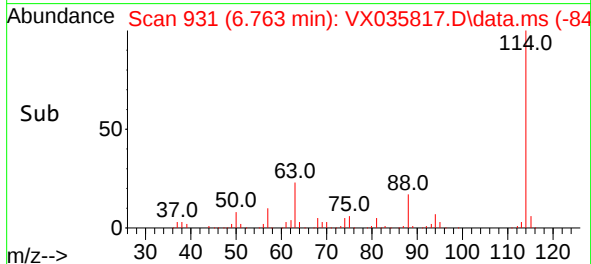
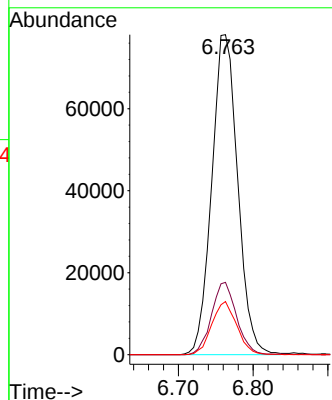
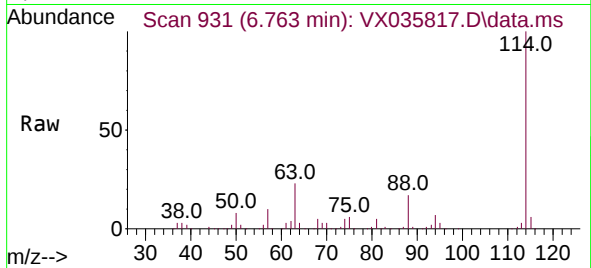




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

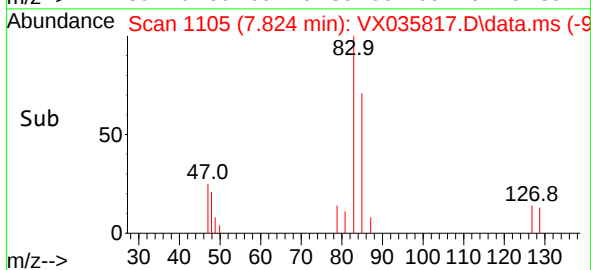
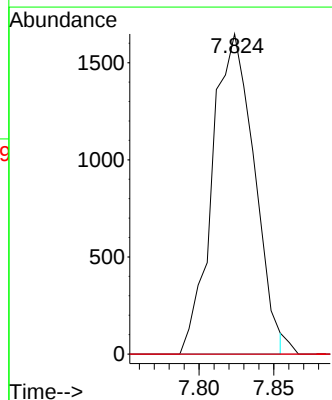
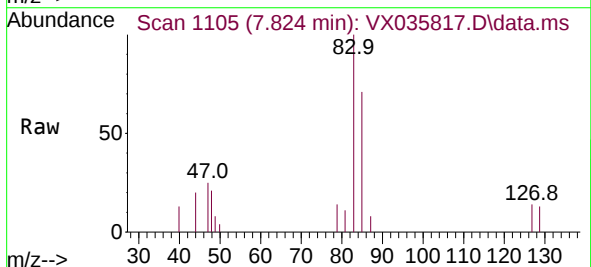
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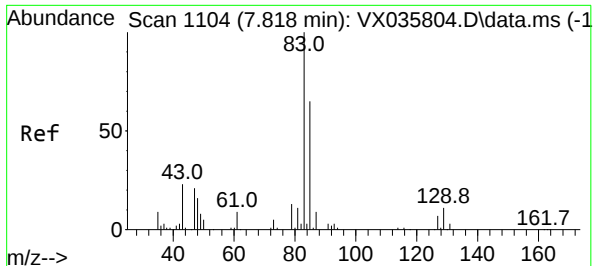
Tgt Ion:114 Resp: 188523
Ion Ratio Lower Upper
114 100
63 21.8 18.0 27.0
88 16.0 13.3 19.9



#38
Methylcyclohexane
Concen: 1.117 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.445 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

Tgt Ion: 83 Resp: 3215
Ion Ratio Lower Upper
83 100
55 0.0 38.8 116.4#
98 0.0 23.8 71.2#

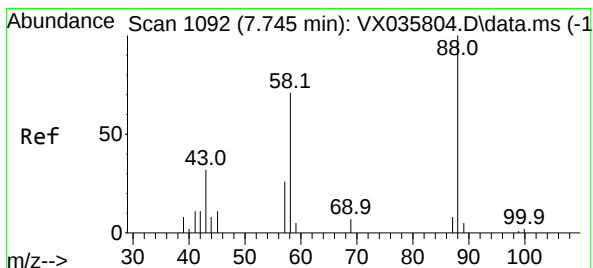
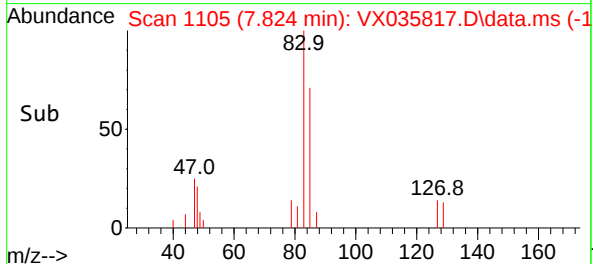
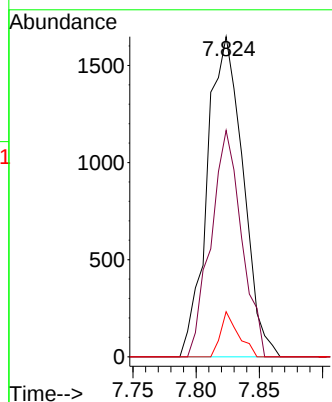
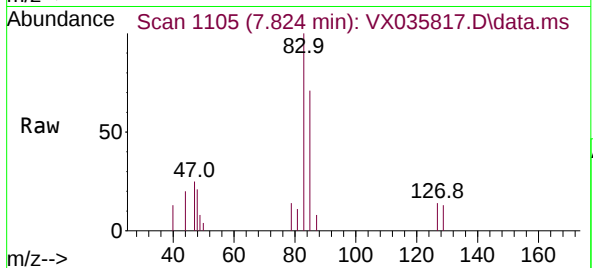




#41
Bromodichloromethane
Concen: 1.188 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

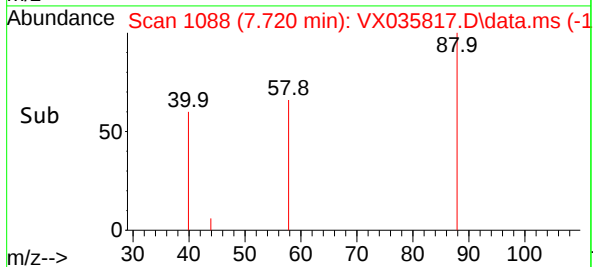
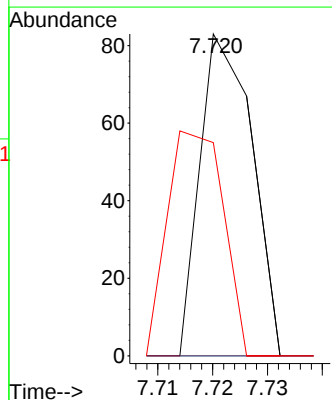
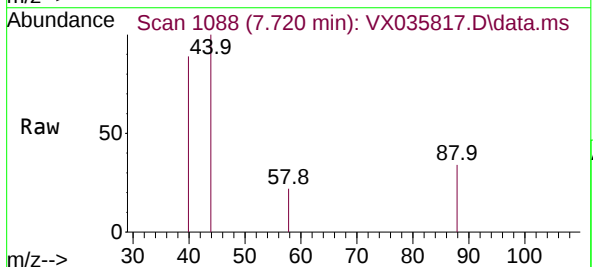
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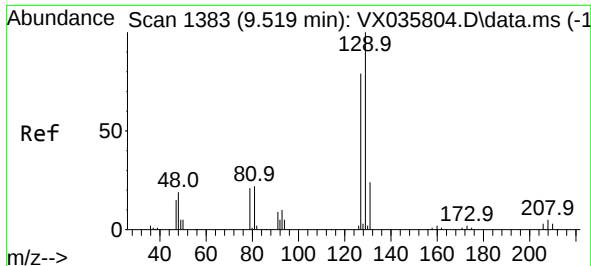
Tgt Ion: 83 Resp: 3237
Ion Ratio Lower Upper
83 100
85 70.7 51.1 76.7
127 14.1 8.2 12.4#



#45
1,4-Dioxane
Concen: 1.084 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. -0.024 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 74.5 55.6 83.4

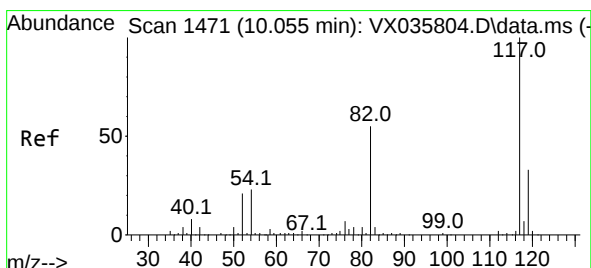
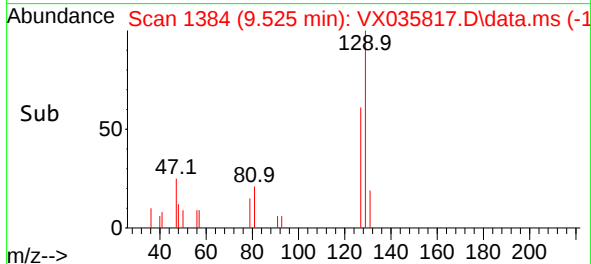
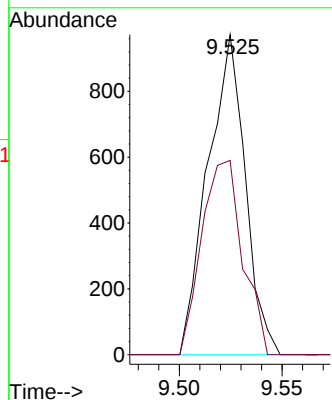
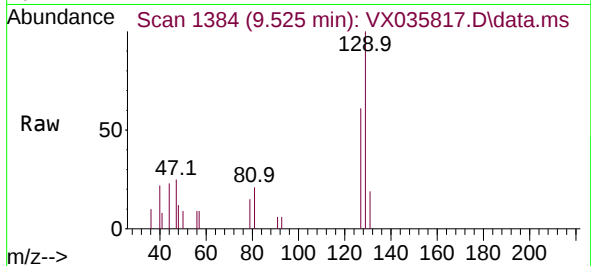




#53
Dibromochloromethane
Concen: 0.621 ug/l
RT: 9.525 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

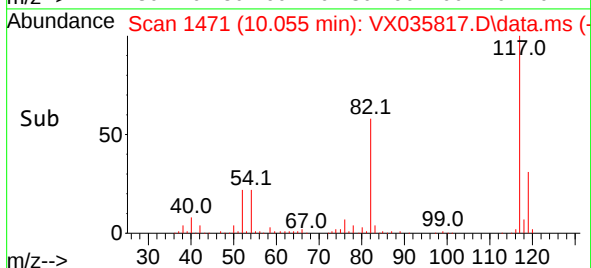
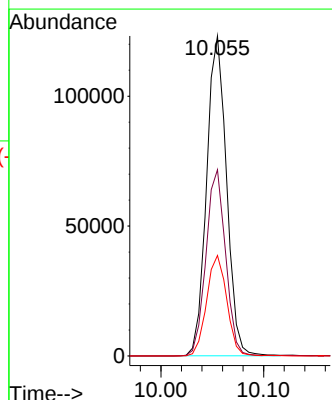
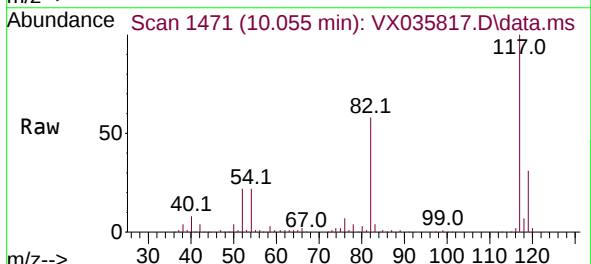
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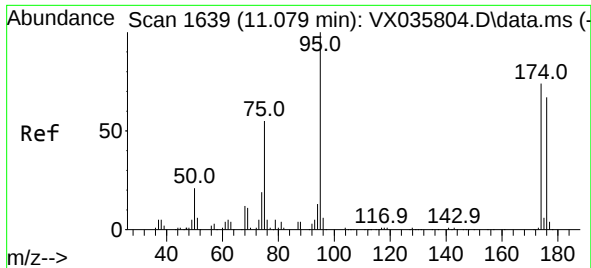
Tgt Ion:129 Resp: 1229
Ion Ratio Lower Upper
129 100
127 66.5 39.1 117.5



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

Tgt Ion:117 Resp: 165924
Ion Ratio Lower Upper
117 100
82 57.2 45.8 68.8
119 31.8 25.4 38.0

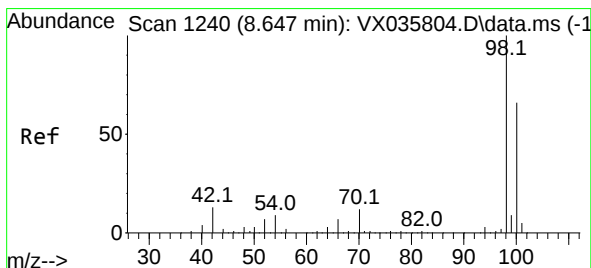
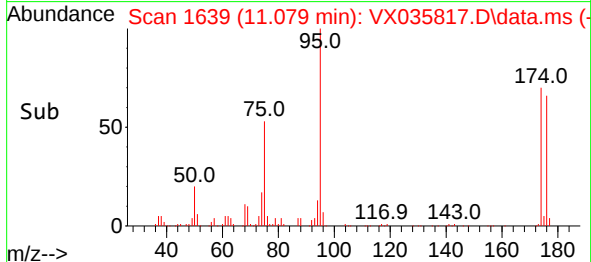
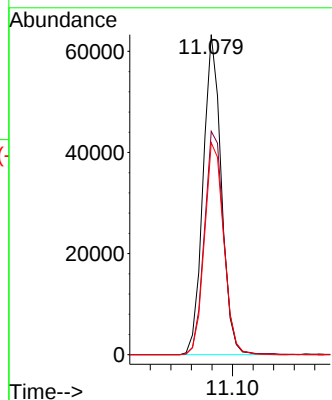
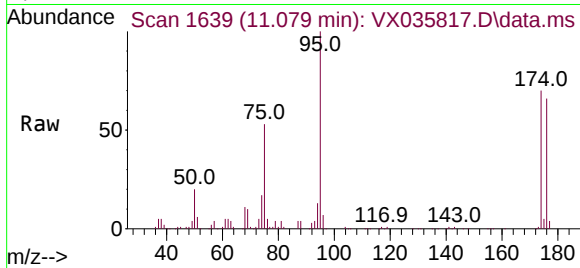




#60
4-Bromofluorobenzene
Concen: 28.002 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

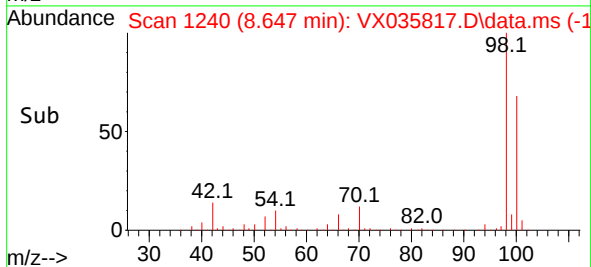
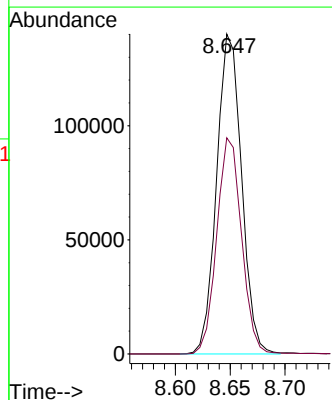
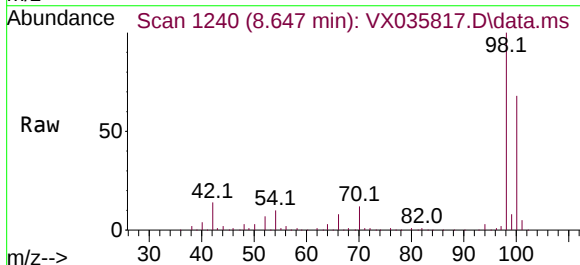
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-DSN-002

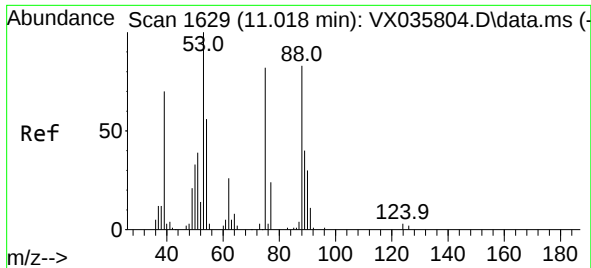
Tgt Ion: 95 Resp: 77963
Ion Ratio Lower Upper
95 100
174 74.0 0.2 0.4#
176 70.1 0.2 0.2#



#63
Toluene-d8
Concen: 30.279 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX035817.D
Acq: 23 May 2023 16:29

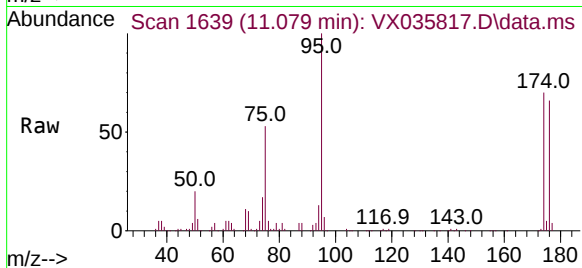
Tgt Ion: 98 Resp: 222100
Ion Ratio Lower Upper
98 100
100 67.2 52.1 78.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 46.987 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX035817.D
 Acq: 23 May 2023 16:29

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-DSN-002



Tgt Ion: 75 Resp: 40381
 Ion Ratio Lower Upper
 75 100
 53 0.0 58.2 174.6#
 89 0.0 20.6 61.8#

