

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033781.D
 Acq On : 18 Jan 2023 17:51
 Operator : JC/MD
 Sample : 01137-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DSN-001-SEWER-OUTLET-001DL

Quant Time: Jan 19 03:33:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

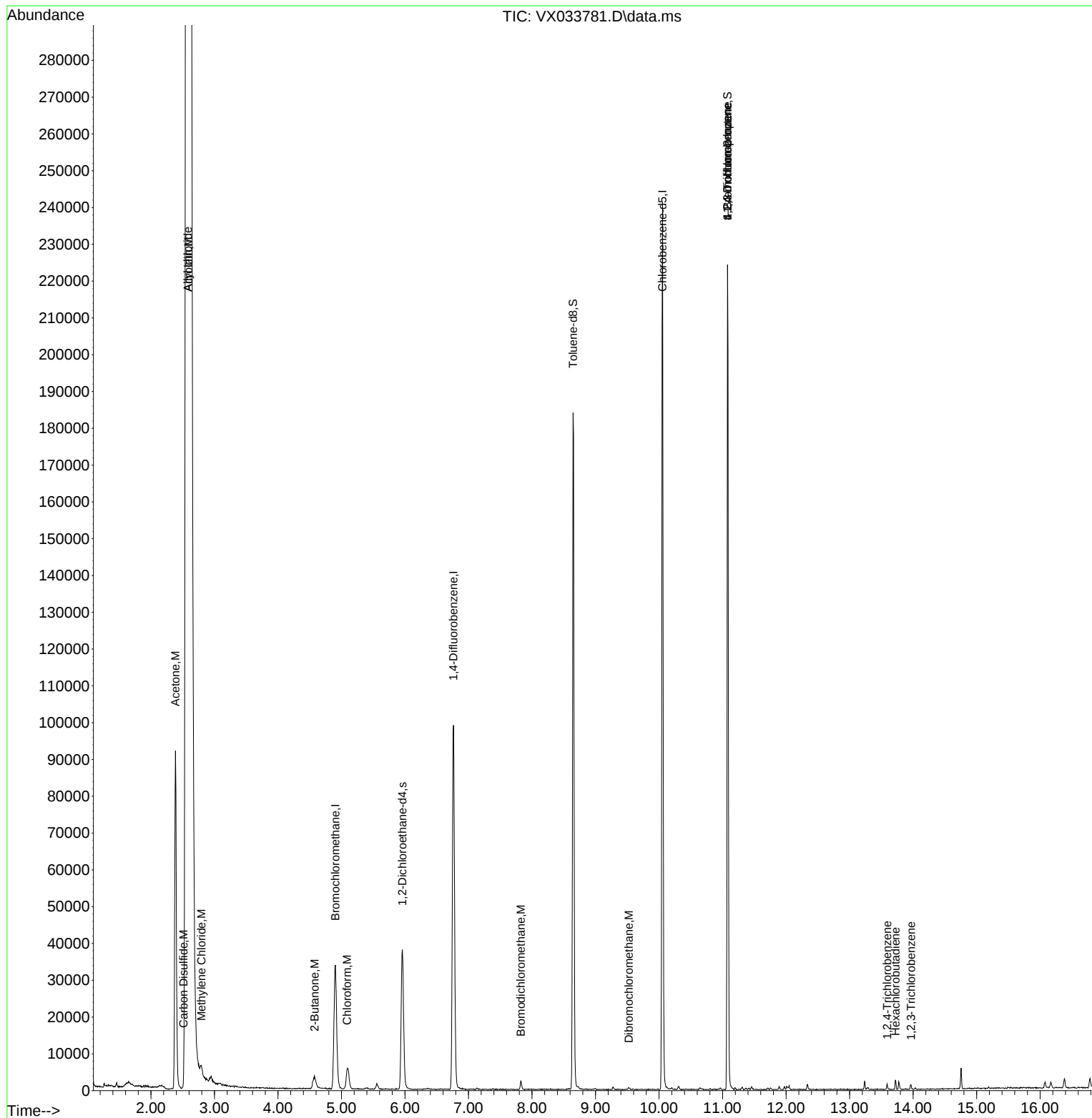
Internal Standards						
1) Bromochloromethane	4.903	128	15579	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	108104	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	114976	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	36918	30.622	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.067%
60) 4-Bromofluorobenzene	11.079	95	58888	28.650	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.500%
63) Toluene-d8	8.647	98	112706	30.725	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.400%
Target Compounds						
					Qvalue	
13) Acrolein	2.587	56	124	0.459	ug/l #	1
15) Acetone	2.386	58	33485	141.470	ug/l	97
16) Carbon Disulfide	2.514	76	1240	0.365	ug/l	99
17) Allyl chloride	2.581	41	279160	111.706	ug/l #	67
18) Methylene Chloride	2.794	84	894	0.573	ug/l	94
25) Chloroform	5.086	83	3356	1.245	ug/l	98
30) 2-Butanone	4.574	43	837	0.730	ug/l #	90
41) Bromodichloromethane	7.824	83	1609	0.786	ug/l #	80
53) Dibromochloromethane	9.525	129	393	0.226	ug/l	99
72) 1,2,3-Trichloropropane	11.079	75	28011	13.810	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	28011	44.945	ug/l #	6
89) 1,2,4-Trichlorobenzene	13.591	180	527	0.216	ug/l	86
90) Hexachlorobutadiene	13.725	225	564	0.494	ug/l	96
92) 1,2,3-Trichlorobenzene	13.969	180	495	0.207	ug/l	92

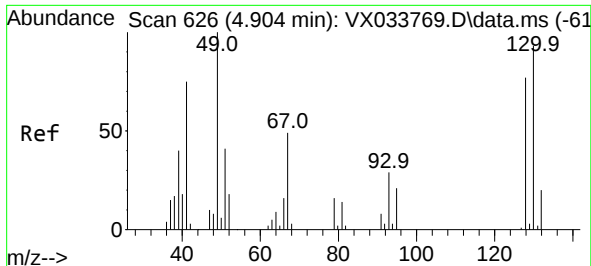
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
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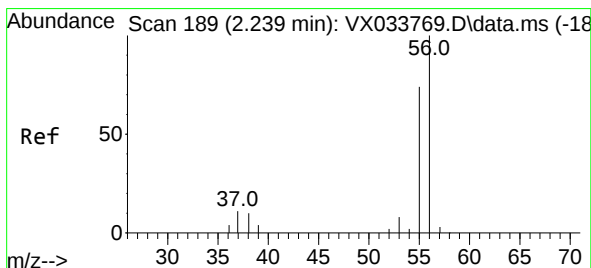
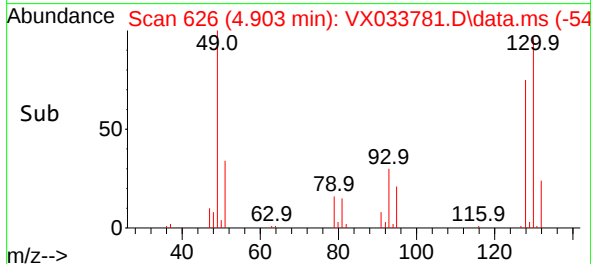
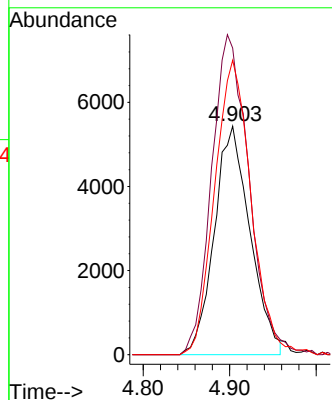
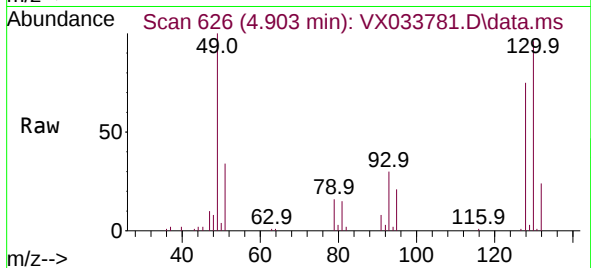




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

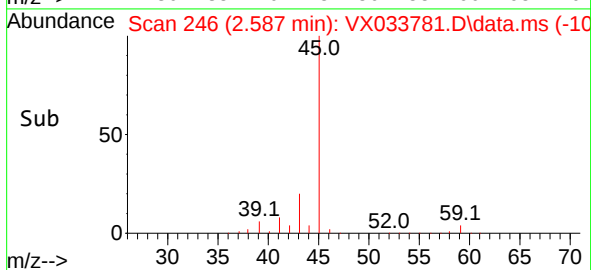
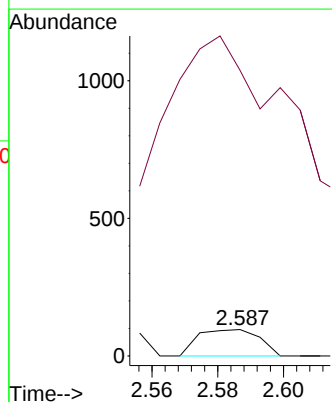
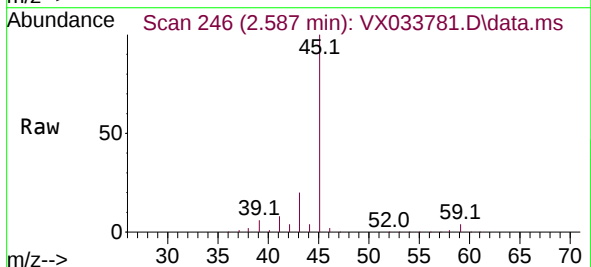
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001DL

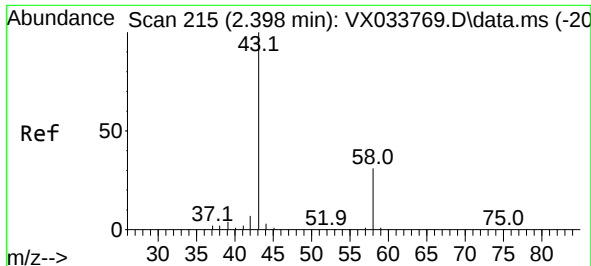
Tgt Ion:128 Resp: 15579
Ion Ratio Lower Upper
128 100
49 146.6 0.0 369.0
130 131.0 0.0 327.5



#13
Acrolein
Concen: 0.459 ug/l
RT: 2.587 min Scan# 246
Delta R.T. 0.347 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion: 56 Resp: 124
Ion Ratio Lower Upper
56 100
55 2342.7 58.8 88.2#

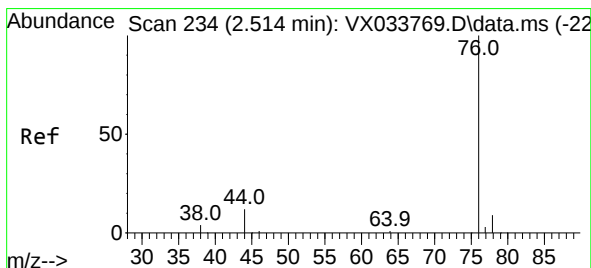
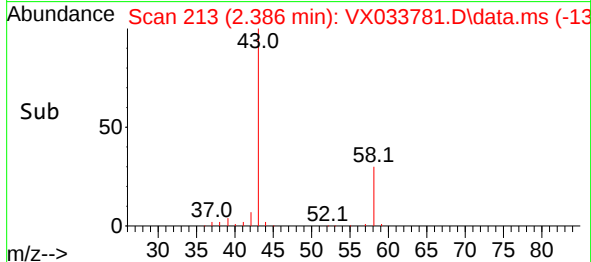
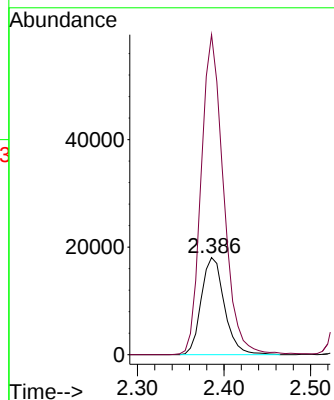
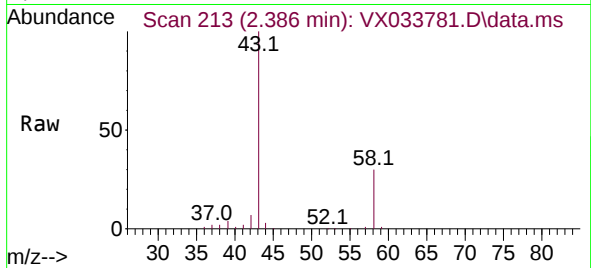




#15
Acetone
Concen: 141.470 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

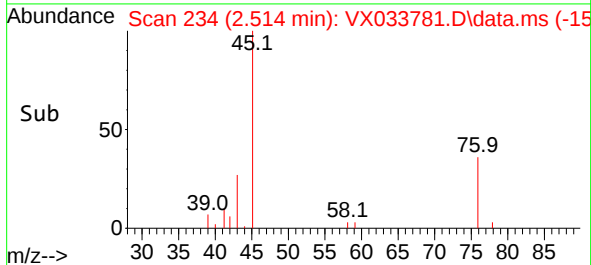
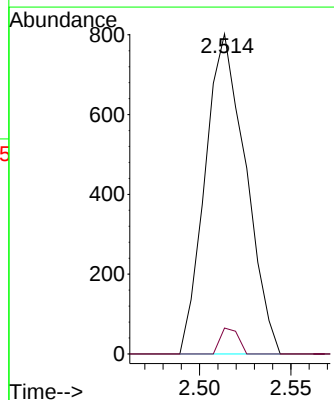
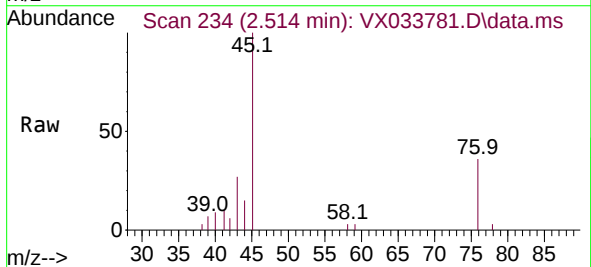
Instrument :
MSVOA_X
ClientSampleId :
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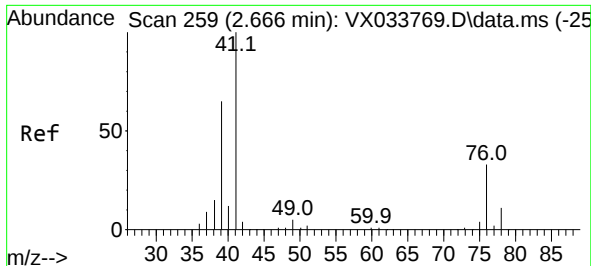
Tgt Ion: 58 Resp: 33485
Ion Ratio Lower Upper
58 100
43 328.8 258.6 388.0



#16
Carbon Disulfide
Concen: 0.365 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion: 76 Resp: 1240
Ion Ratio Lower Upper
76 100
78 8.1 6.9 10.3





#17

Allyl chloride

Concen: 111.706 ug/l

RT: 2.581 min Scan# 24

Delta R.T. -0.085 min

Lab File: VX033781.D

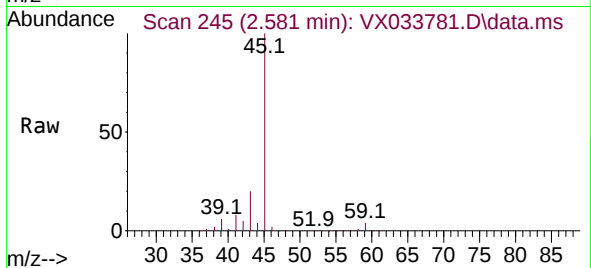
Acq: 18 Jan 2023 17:51

Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001DL



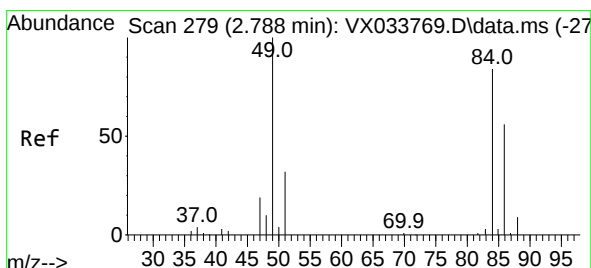
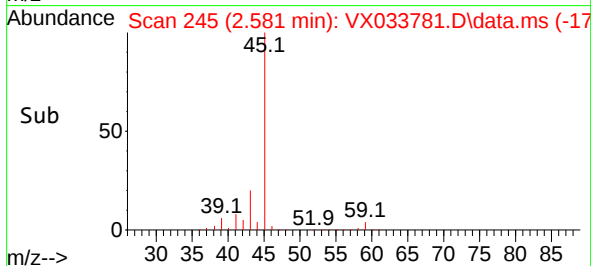
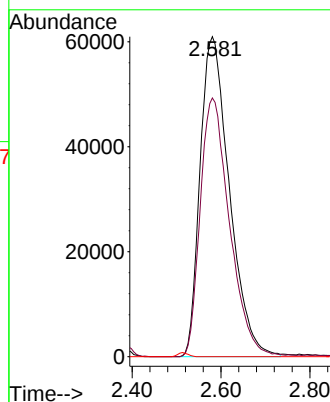
Tgt Ion: 41 Resp: 279160

Ion Ratio Lower Upper

41 100

39 80.9 32.5 97.4

76 0.0 16.6 49.8#



#18

Methylene Chloride

Concen: 0.573 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033781.D

Acq: 18 Jan 2023 17:51

Tgt Ion: 84 Resp: 894

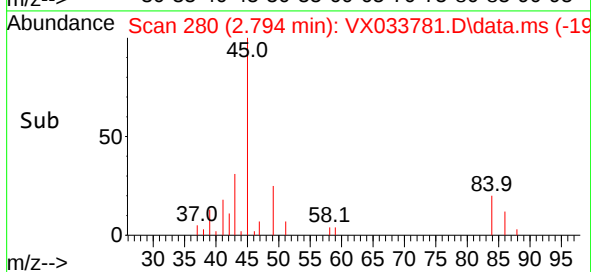
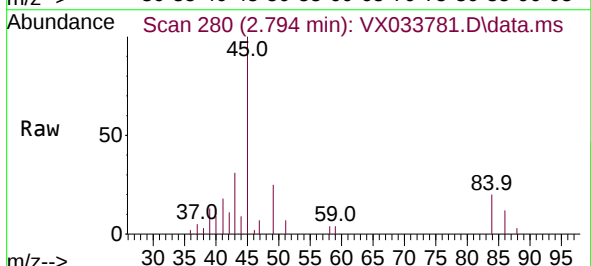
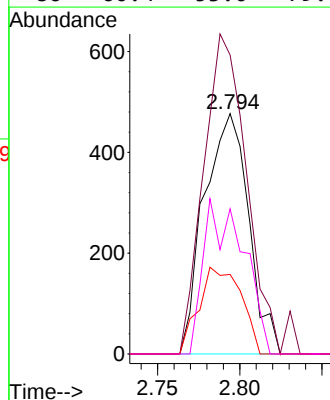
Ion Ratio Lower Upper

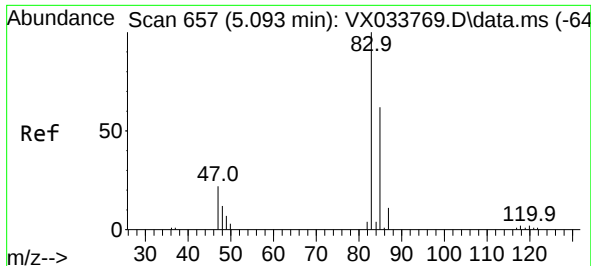
84 100

49 124.3 95.0 142.6

51 33.1 30.3 45.5

86 60.4 53.0 79.4

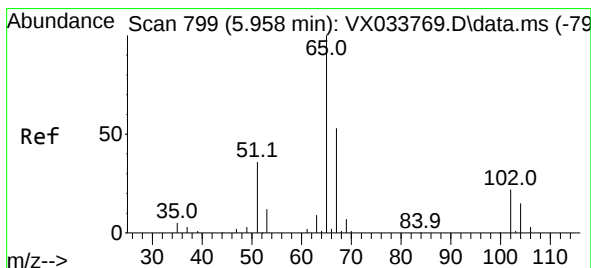
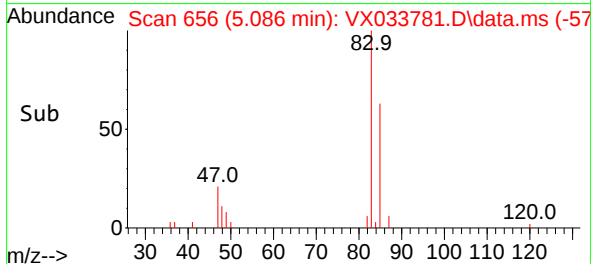
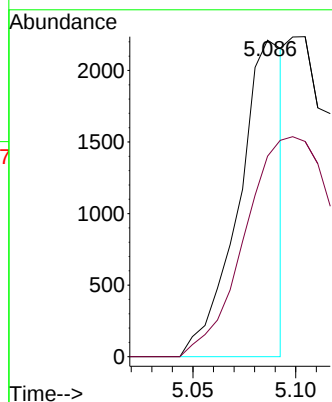
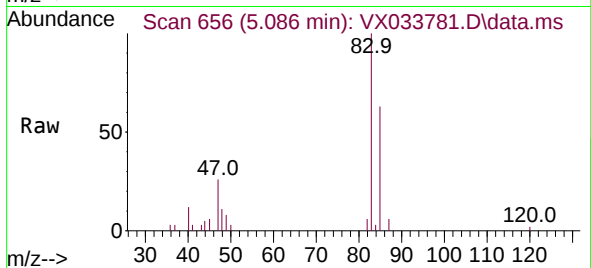




#25
Chloroform
Concen: 1.245 ug/l
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

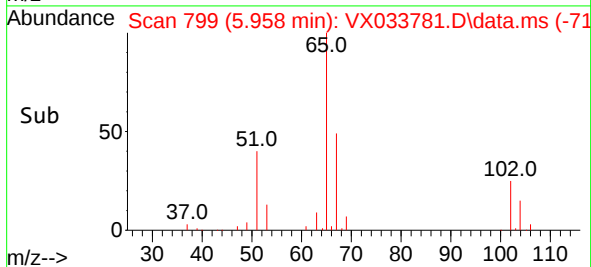
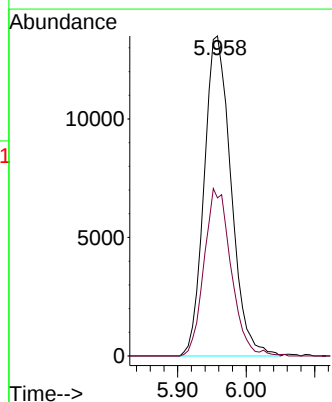
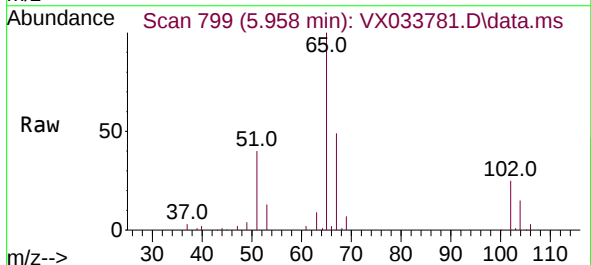
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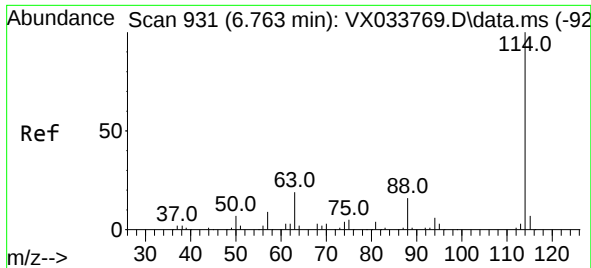
Tgt Ion: 83 Resp: 3356
Ion Ratio Lower Upper
83 100
85 63.4 49.7 74.5



#27
1,2-Dichloroethane-d4
Concen: 30.622 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion: 65 Resp: 36918
Ion Ratio Lower Upper
65 100
67 51.8 43.0 64.4

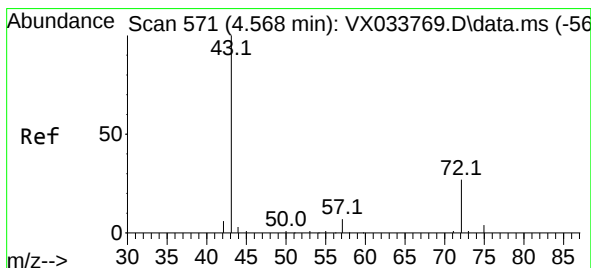
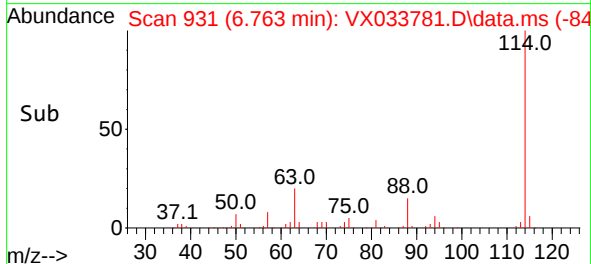
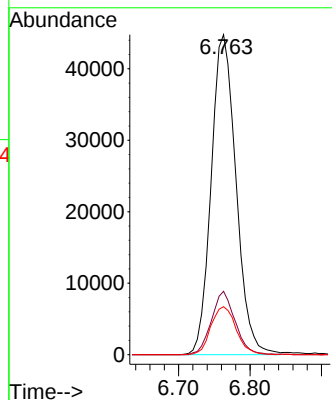
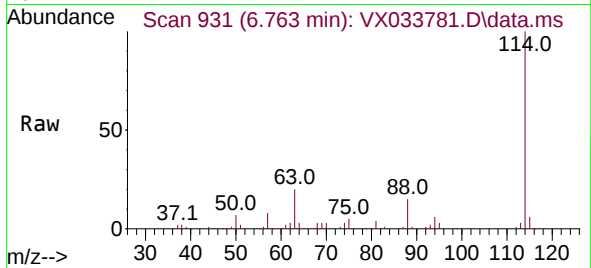




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

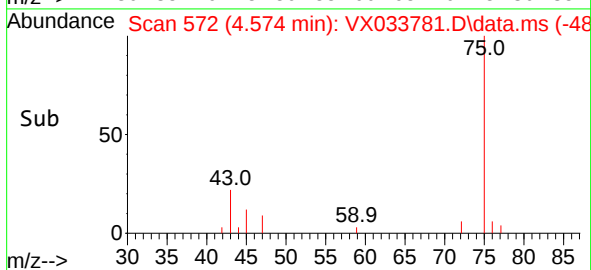
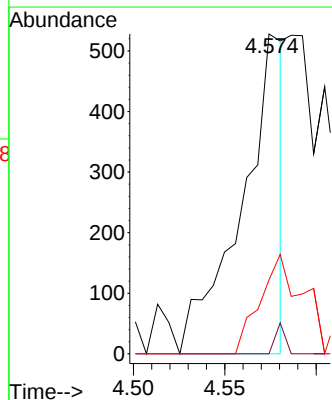
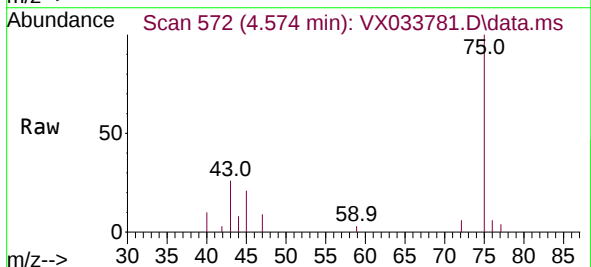
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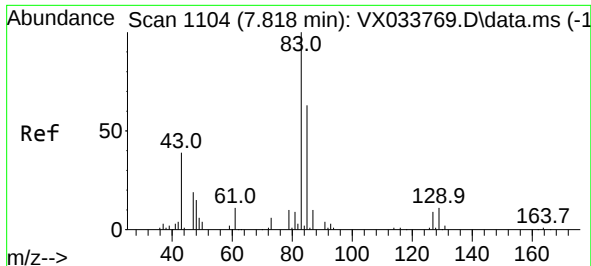
Tgt Ion:114 Resp: 108104
Ion Ratio Lower Upper
114 100
63 18.8 15.2 22.8
88 15.3 12.4 18.6



#30
2-Butanone
Concen: 0.730 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
57 0.0 6.0 9.0#
72 22.5 20.6 30.8

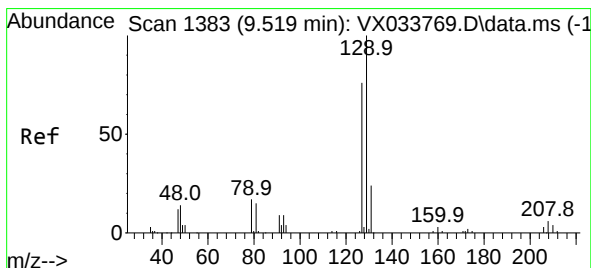
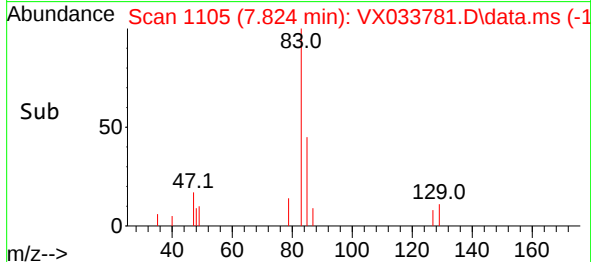
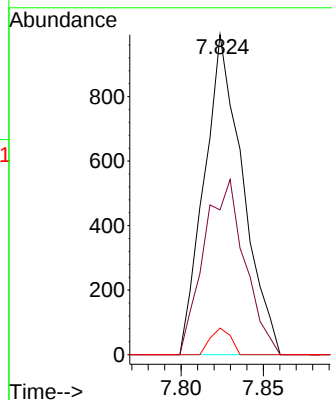
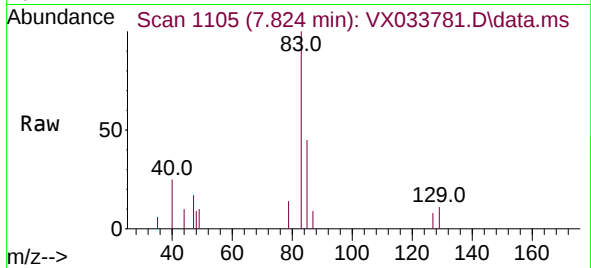




#41
Bromodichloromethane
Concen: 0.786 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

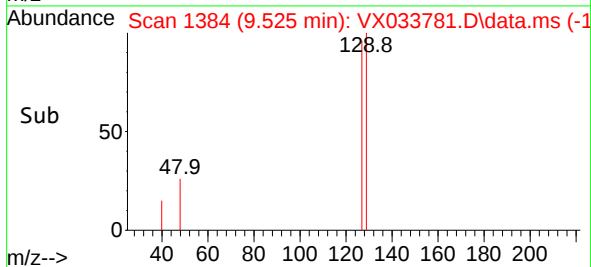
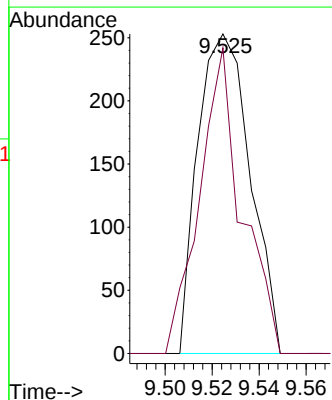
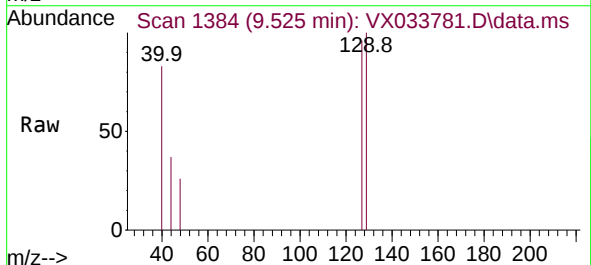
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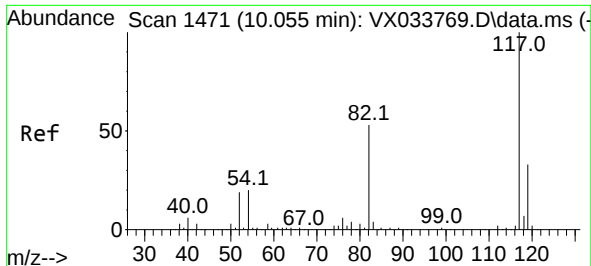
Tgt Ion: 83 Resp: 1609
Ion Ratio Lower Upper
83 100
85 45.3 50.5 75.7#
127 8.3 7.2 10.8



#53
Dibromochloromethane
Concen: 0.226 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion: 129 Resp: 393
Ion Ratio Lower Upper
129 100
127 76.8 38.6 116.0

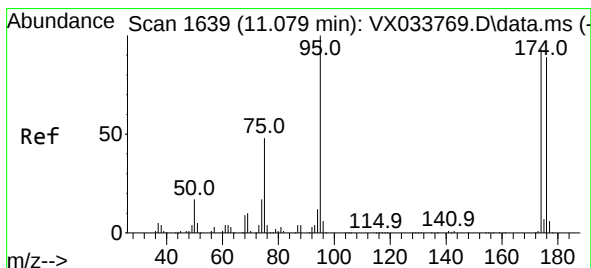
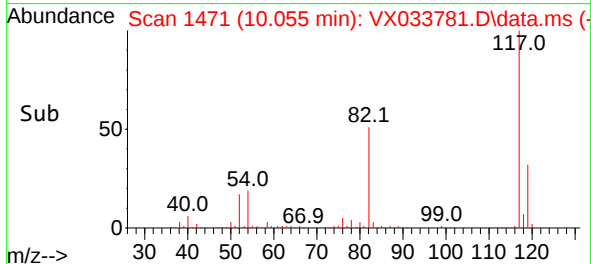
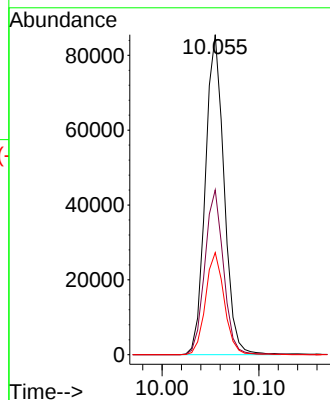
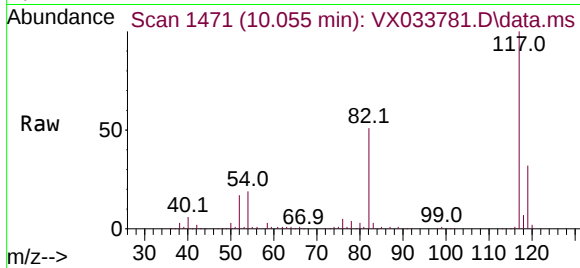




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

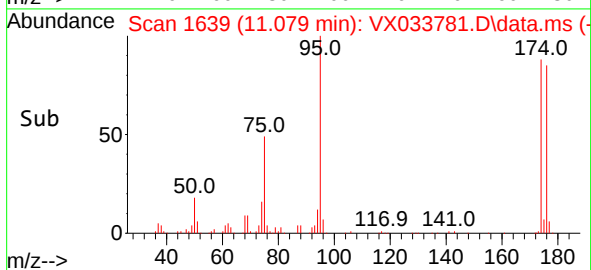
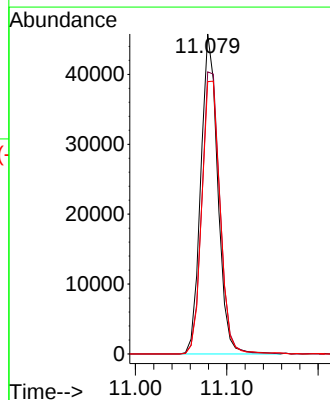
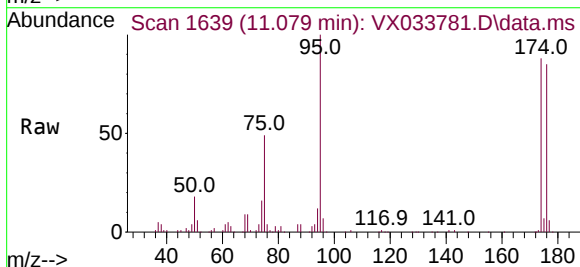
Instrument :
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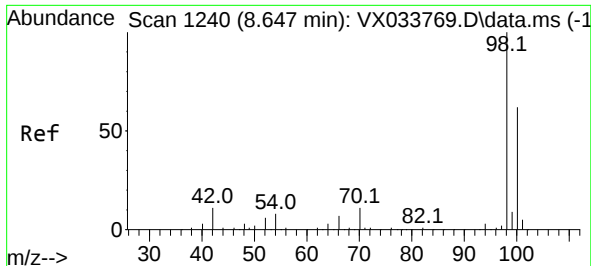
Tgt Ion:	117	Resp:	114976
Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.6	64.0
119	31.9	26.4	39.6



#60
4-Bromofluorobenzene
Concen: 28.650 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion:	95	Resp:	58888
Ion	Ratio	Lower	Upper
95	100		
174	93.7	74.6	111.8
176	91.8	72.2	108.2

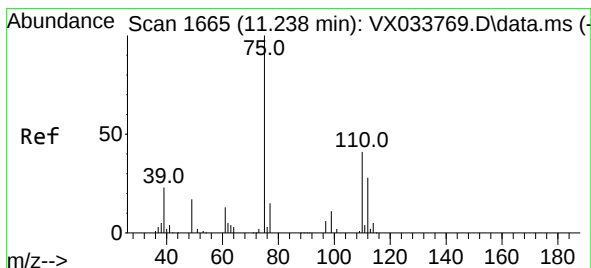
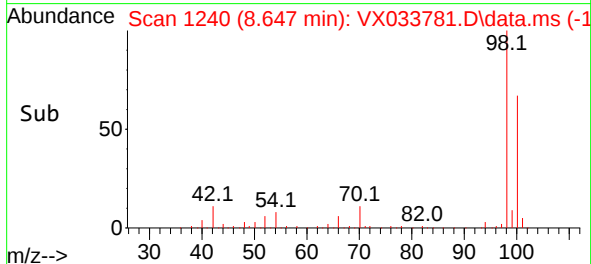
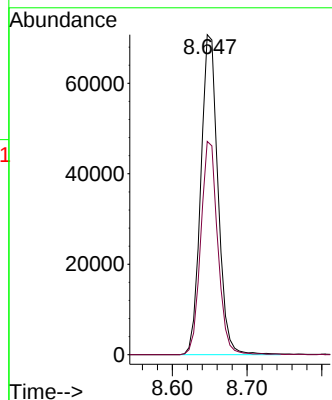
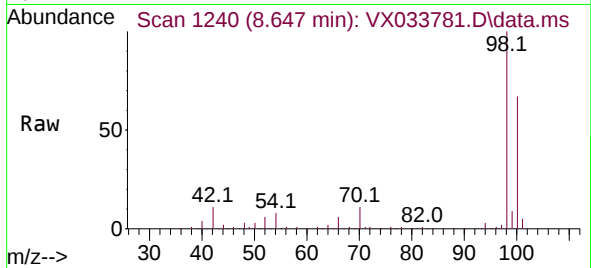




#63
Toluene-d8
Concen: 30.725 ug/l
RT: 8.647 min Scan# 112706
Delta R.T. -0.000 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

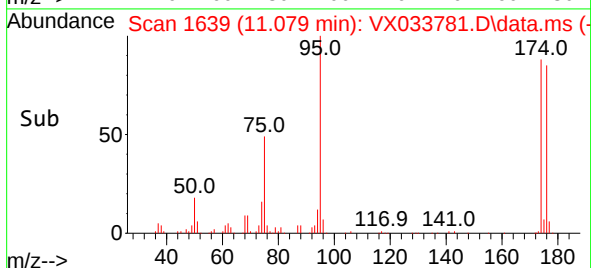
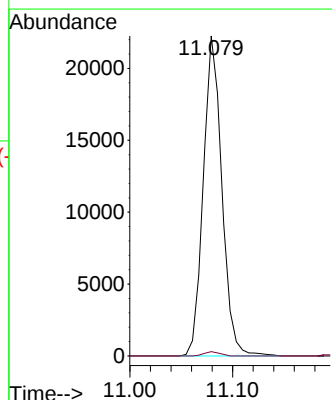
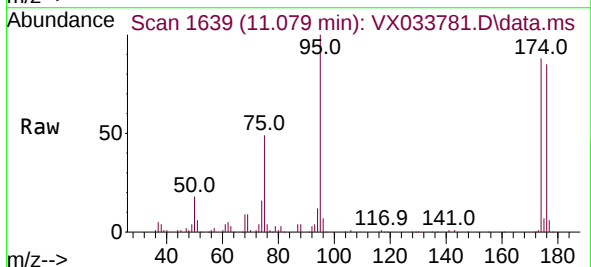
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001DL

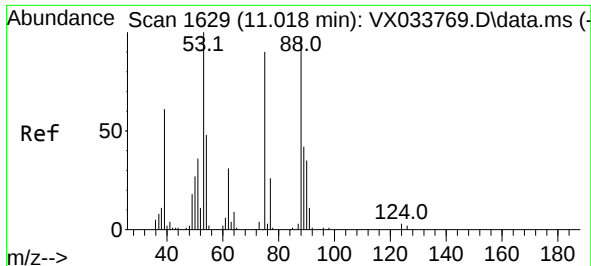
Tgt Ion: 98 Resp: 112706
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 13.810 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion: 75 Resp: 28011
Ion Ratio Lower Upper
75 100
77 1.1 0.0 75.6

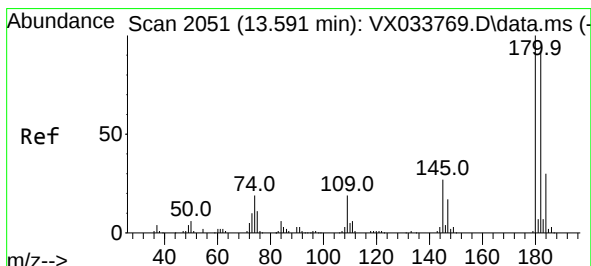
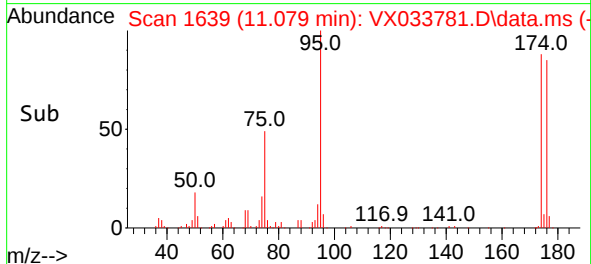
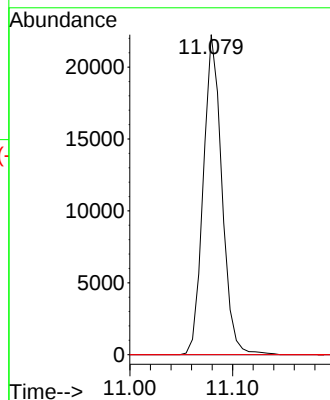
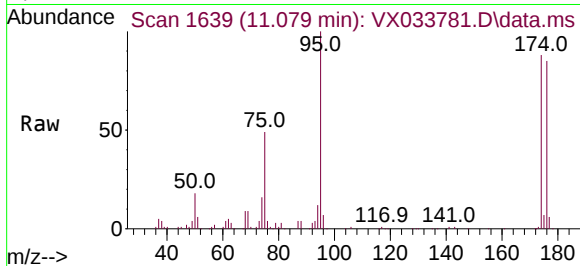




#77
t-1,4-Dichloro-2-butene
Concen: 44.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

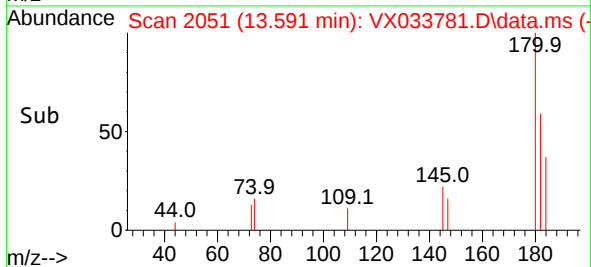
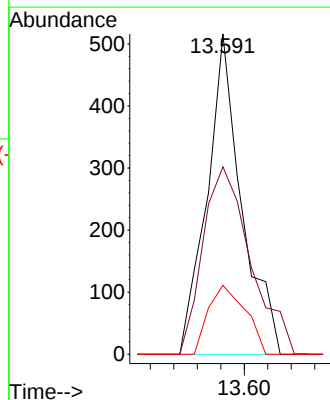
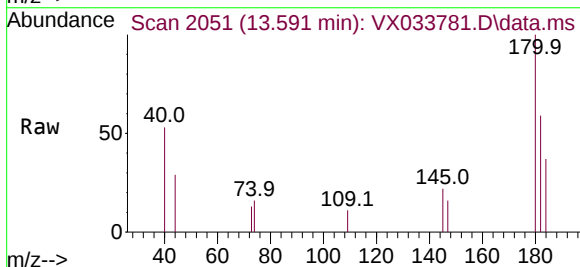
Instrument :
MSVOA_X
ClientSampleId :
DSN-001-SEWER-OUTLET-001DL

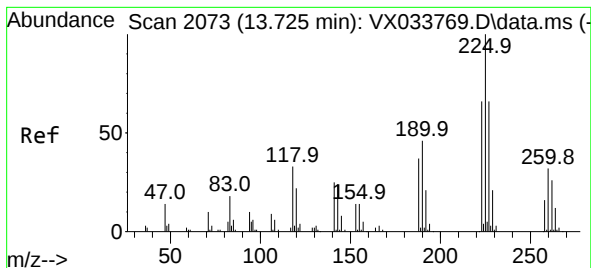
Tgt Ion: 75 Resp: 28011
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.3#
89 0.0 23.3 69.8#



#89
1,2,4-Trichlorobenzene
Concen: 0.216 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX033781.D
Acq: 18 Jan 2023 17:51

Tgt Ion:180 Resp: 527
Ion Ratio Lower Upper
180 100
182 80.6 76.4 114.6
145 23.0 22.9 34.3





#90

Hexachlorobutadiene

Concen: 0.494 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX033781.D

Acq: 18 Jan 2023 17:51

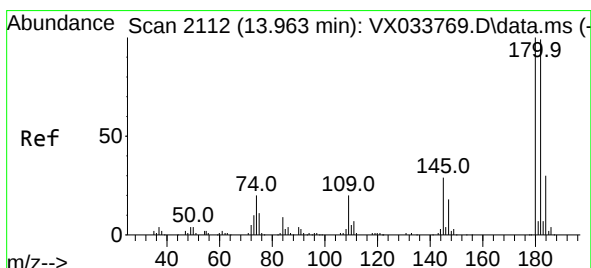
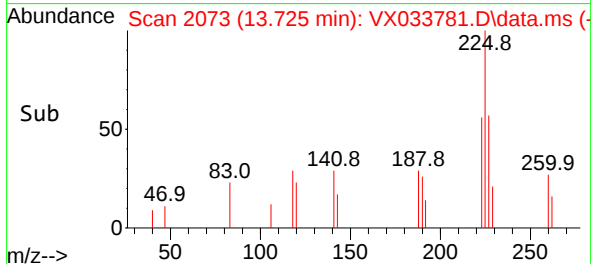
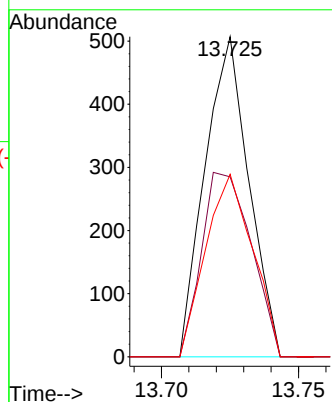
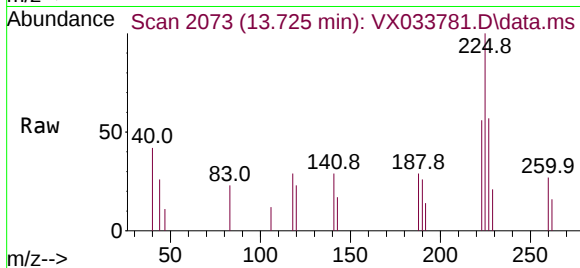
Instrument :

MSVOA_X

ClientSampleId :

DSN-001-SEWER-OUTLET-001DL

Tgt Ion:225	Resp:	564
Ion Ratio	Lower	Upper
225	100	
223	65.2	0.0 127.6
227	61.2	0.0 131.2



#92

1,2,3-Trichlorobenzene

Concen: 0.207 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.006 min

Lab File: VX033781.D

Acq: 18 Jan 2023 17:51

Tgt Ion:180	Resp:	495
Ion Ratio	Lower	Upper
180	100	
182	105.3	0.0 192.6
145	33.1	0.0 60.4

