

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028418.D
 Acq On : 29 Apr 2022 13:06
 Operator : JC/MD
 Sample : N2550-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PUMP-STATION-207ST-TRAIN-FACILITY

Quant Time: Apr 29 15:05:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 29 06:09:36 2022
 Response via : Initial Calibration

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

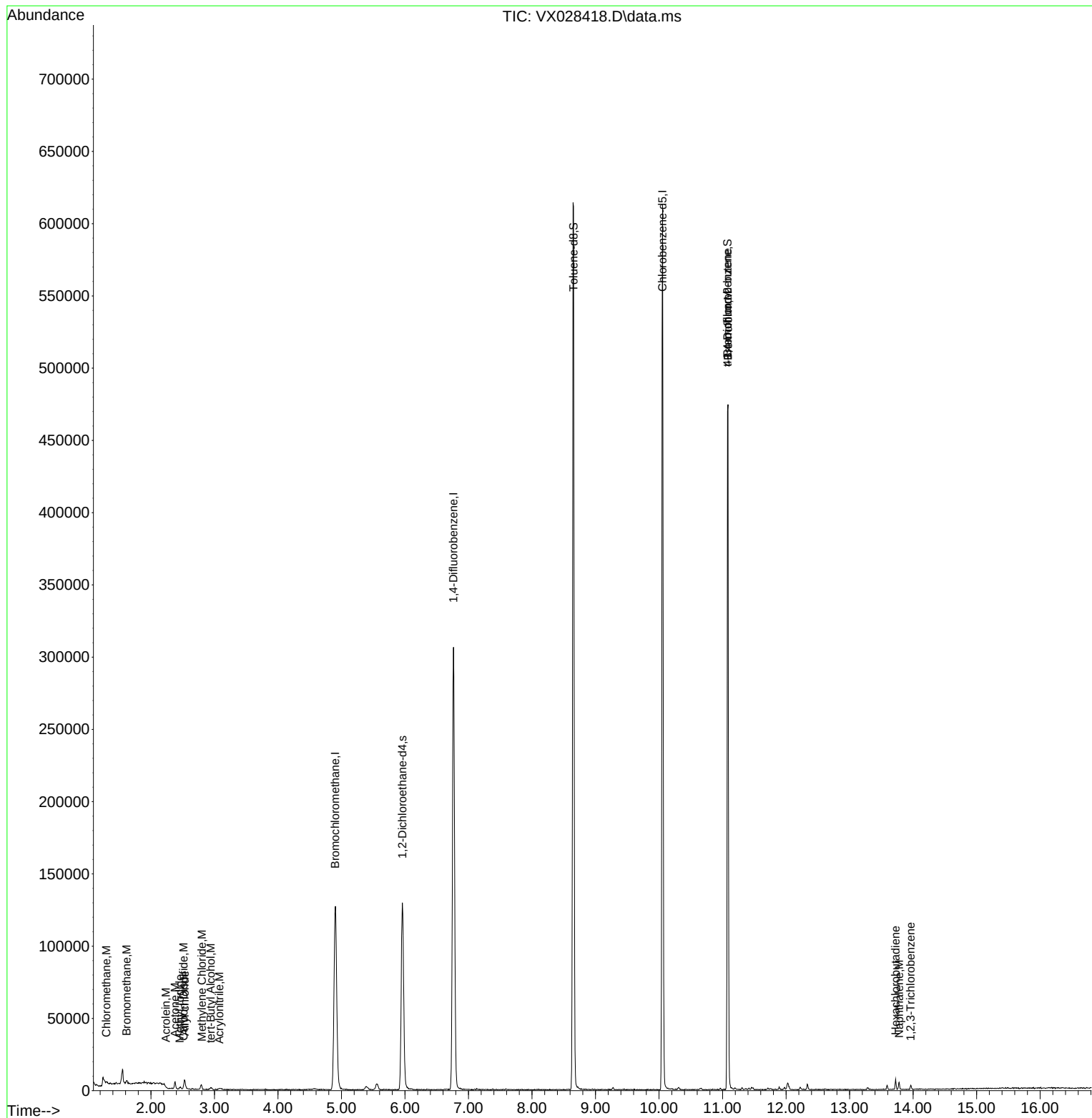
Internal Standards						
1) Bromochloromethane	4.897	128	58611	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	327477	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	287880	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	123981	33.262	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.867%#
60) 4-Bromofluorobenzene	11.079	95	126521	28.260	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.200%
63) Toluene-d8	8.653	98	383008	31.406	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.700%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	482	0.295	ug/l #	59
5) Bromomethane	1.618	94	998	0.583	ug/l #	64
11) Methyl Iodide	2.453	142	1626	0.548	ug/l	84
13) Acrolein	2.233	56	187	0.261	ug/l #	82
14) Acrylonitrile	3.075	53	358	0.223	ug/l	97
15) Acetone	2.380	58	1498	3.294	ug/l	79
16) Carbon Disulfide	2.514	76	1077	0.412	ug/l #	75
17) Allyl chloride	2.532	41	786	0.237	ug/l	87
18) Methylene Chloride	2.800	84	1333	0.470	ug/l #	60
23) tert-Butyl Alcohol	2.941	59	808	0.932	ug/l #	100
56) Bromoform	11.085	173	1123	0.405	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	63308	44.357	ug/l #	3
90) Hexachlorobutadiene	13.725	225	940	0.447	ug/l	95
91) Naphthalene	13.780	128	3662	0.211	ug/l #	95
92) 1,2,3-Trichlorobenzene	13.963	180	1020	0.205	ug/l	79

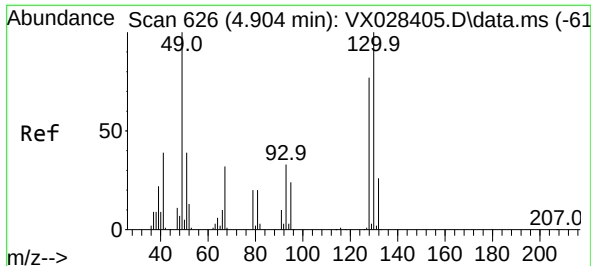
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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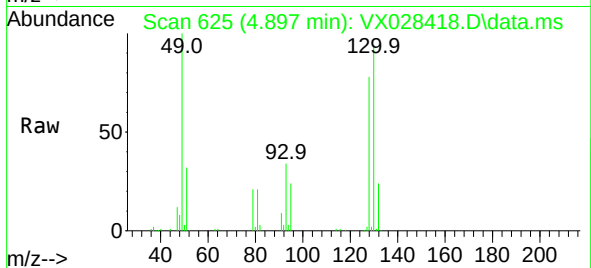
Quant Time: Apr 29 15:05:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X042822W.M
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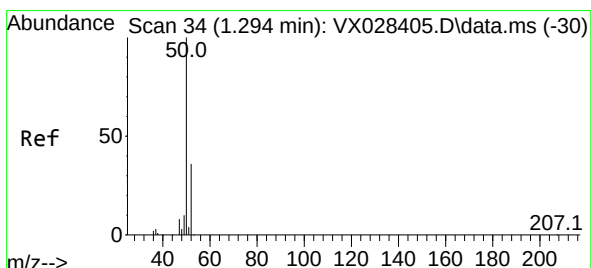
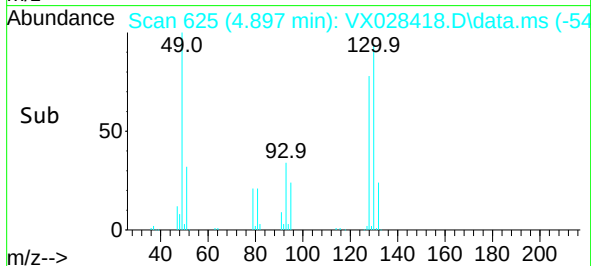
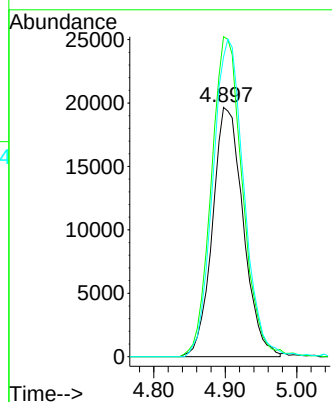


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Instrument :
MSVOA_X
ClientSampleId :
PUMP-STATION-207ST-TRAIN-FACILITY

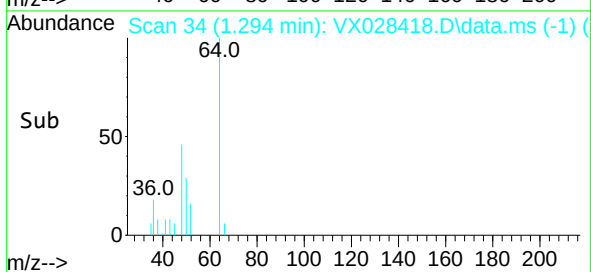
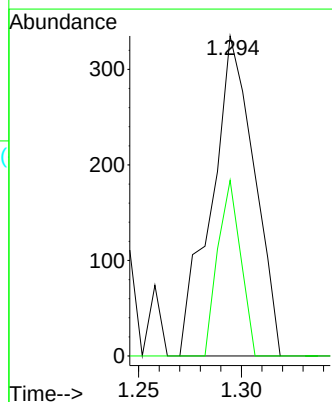
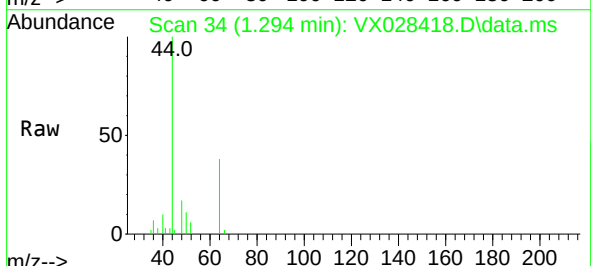


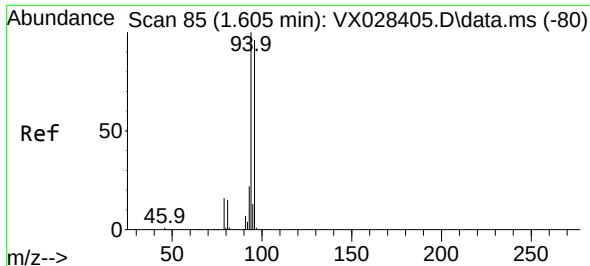
Tgt Ion:128 Resp: 58611
Ion Ratio Lower Upper
128 100
49 129.3 0.0 358.3
130 128.4 0.0 319.3



#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 54.9 25.6 38.4#

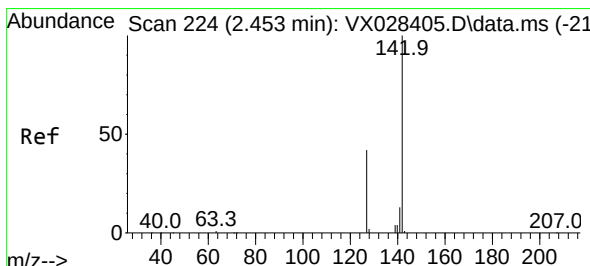
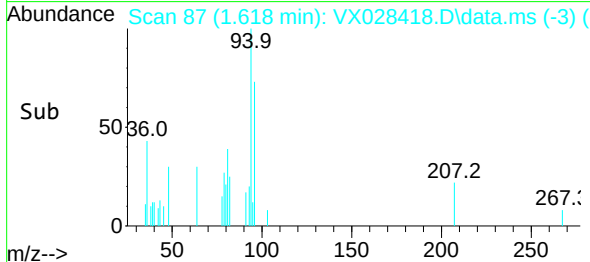
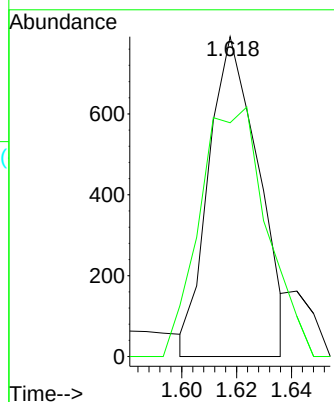
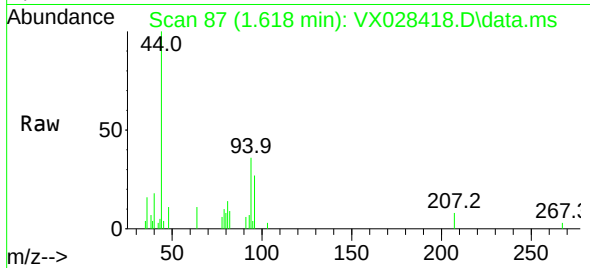




#5
Bromomethane
Concen: 0.583 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

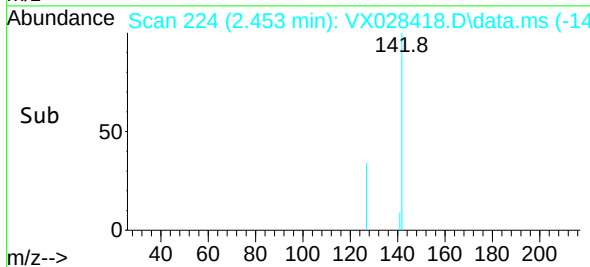
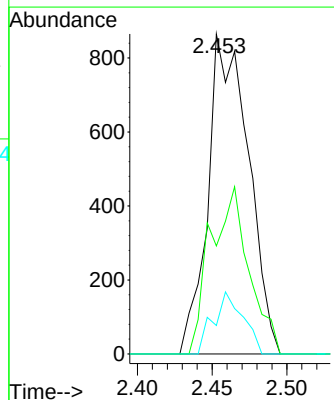
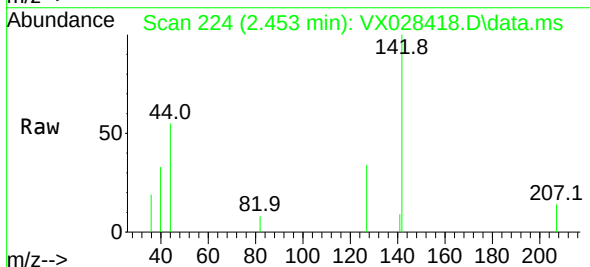
Instrument :
MSVOA_X
ClientSampleId :
PUMP-STATION-207ST-TRAIN-FACILITY

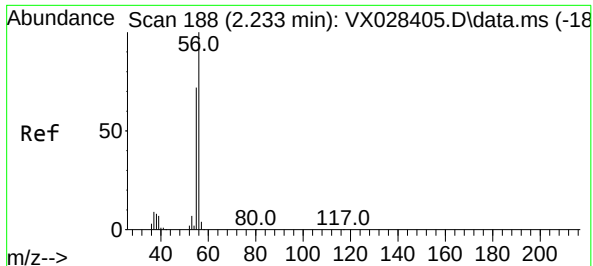
Tgt Ion: 94 Resp: 998
Ion Ratio Lower Upper
94 100
96 61.4 77.0 115.6#



#11
Methyl Iodide
Concen: 0.548 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Tgt Ion: 142 Resp: 1626
Ion Ratio Lower Upper
142 100
127 33.8 22.3 66.9
141 8.9 7.0 20.9





#13

Acrolein

Concen: 0.261 ug/l

RT: 2.233 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028418.D

Acq: 29 Apr 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

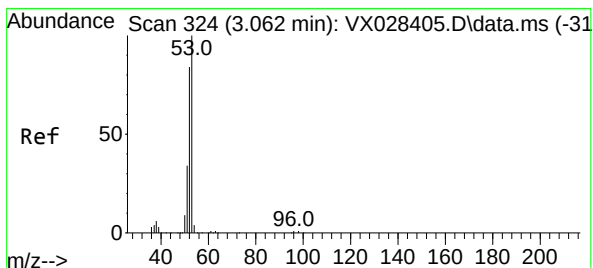
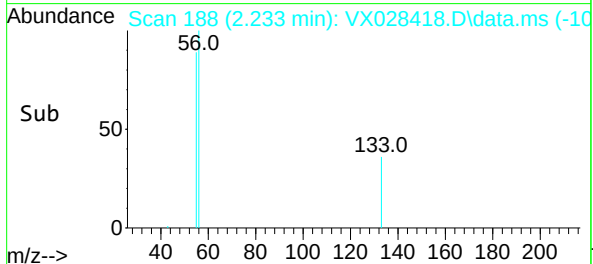
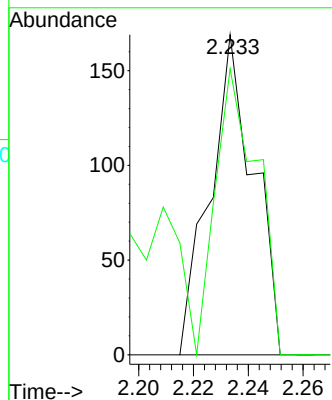
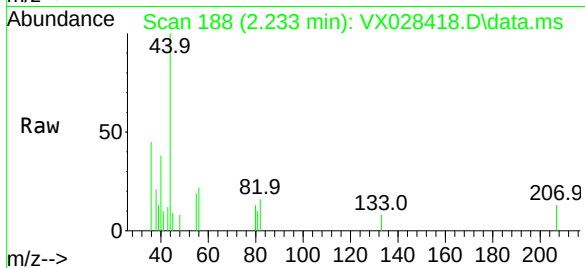
PUMP-STATION-207ST-TRAIN-FACILITY

Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 85.0 56.4 84.6#



#14

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.075 min Scan# 326

Delta R.T. 0.012 min

Lab File: VX028418.D

Acq: 29 Apr 2022 13:06

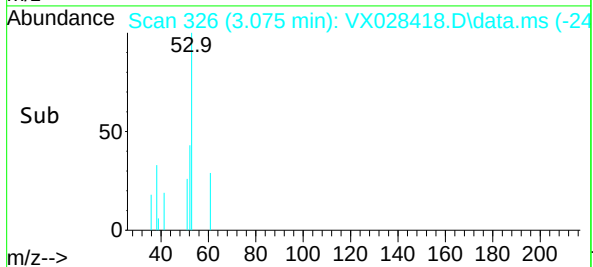
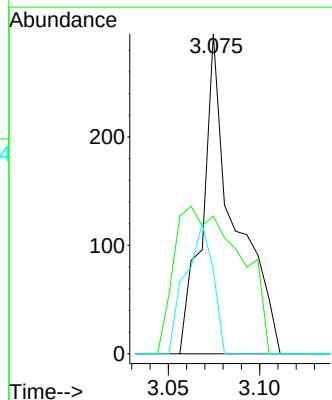
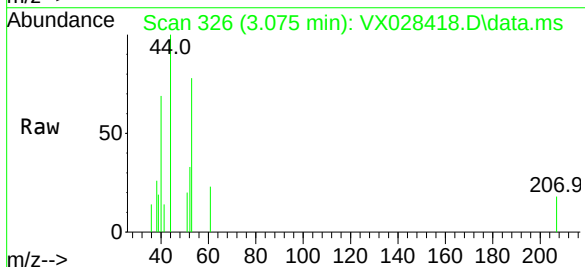
Tgt Ion: 53 Resp: 358

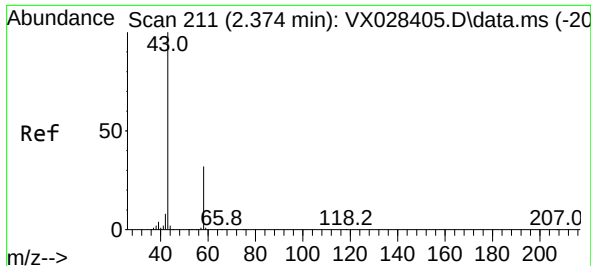
Ion Ratio Lower Upper

53 100

52 86.6 41.5 124.5

51 35.2 18.1 54.4

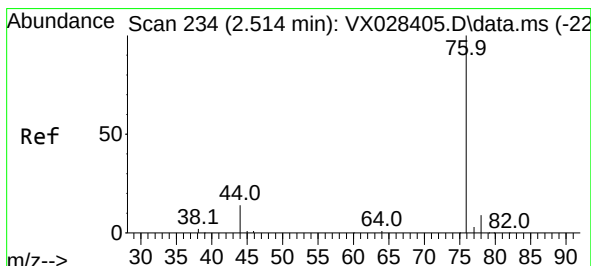
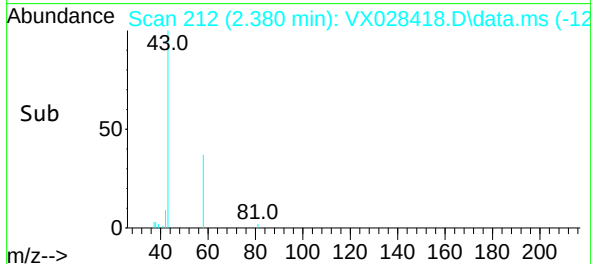
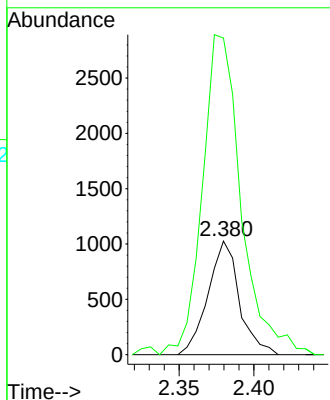
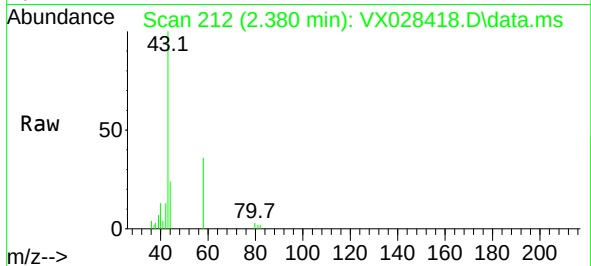




#15
Acetone
Concen: 3.294 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

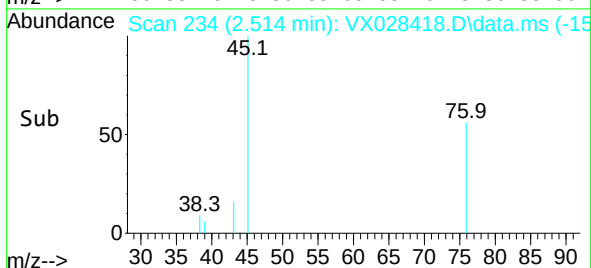
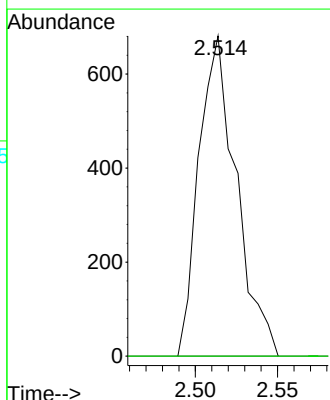
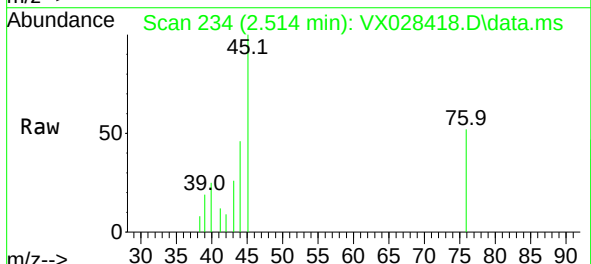
Instrument :
MSVOA_X
ClientSampleId :
PUMP-STATION-207ST-TRAIN-FACILITY

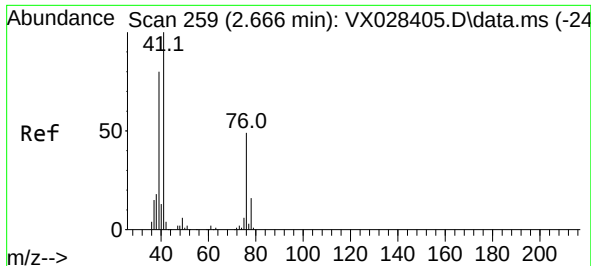
Tgt Ion: 58 Resp: 1498
Ion Ratio Lower Upper
58 100
43 271.2 250.2 375.2



#16
Carbon Disulfide
Concen: 0.412 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Tgt Ion: 76 Resp: 1077
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#17

Allyl chloride

Concen: 0.237 ug/l

RT: 2.532 min Scan# 21

Delta R.T. -0.134 min

Lab File: VX028418.D

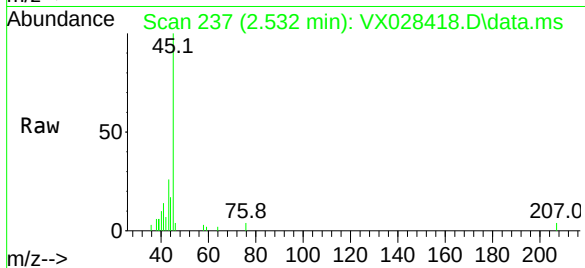
Acq: 29 Apr 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

PUMP-STATION-207ST-TRAIN-FACILITY



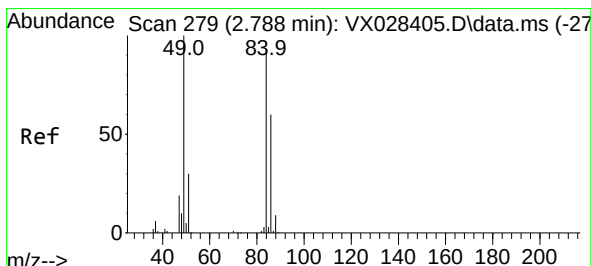
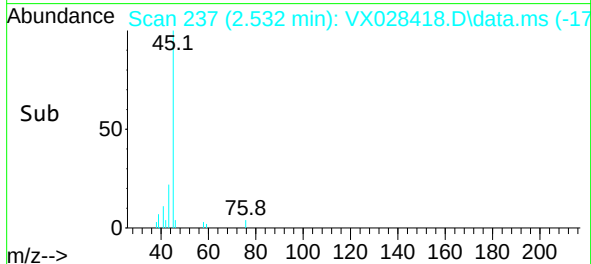
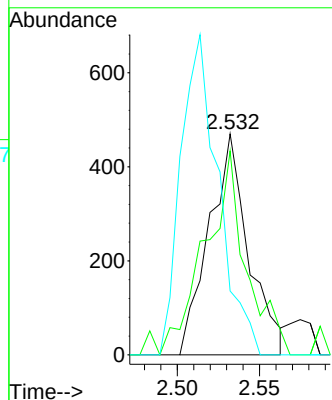
Tgt Ion: 41 Resp: 786

Ion Ratio Lower Upper

41 100

39 80.9 35.4 106.1

76 28.9 18.4 55.4



#18

Methylene Chloride

Concen: 0.470 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX028418.D

Acq: 29 Apr 2022 13:06

Tgt Ion: 84 Resp: 1333

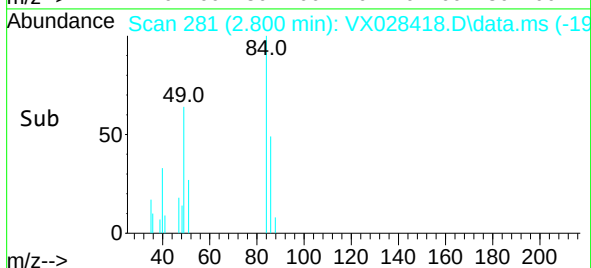
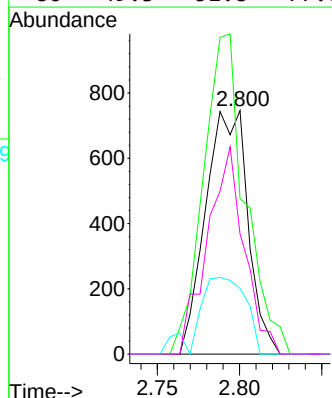
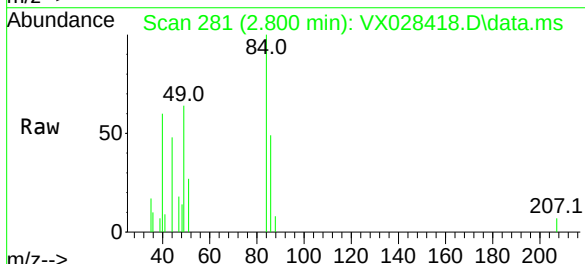
Ion Ratio Lower Upper

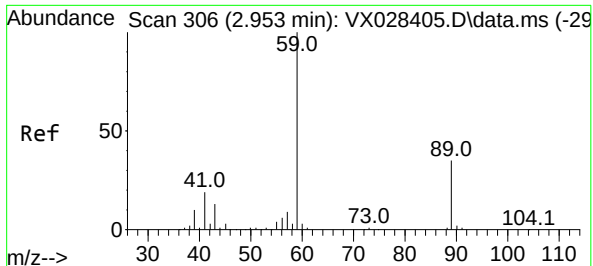
84 100

49 52.8 94.2 141.2#

51 26.9 29.2 43.8#

86 49.3 51.8 77.6#

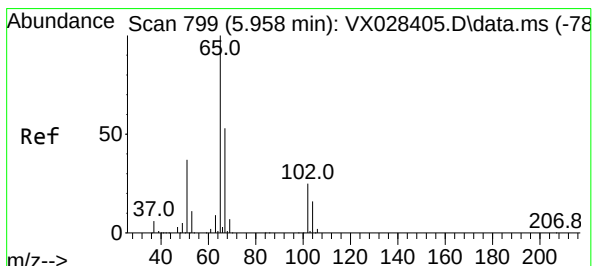
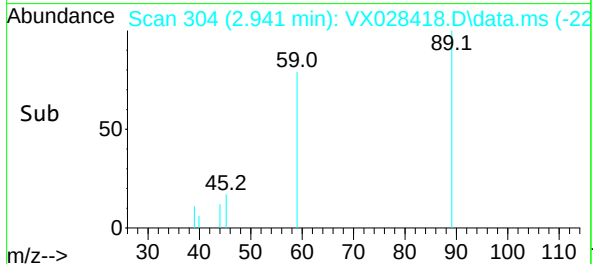
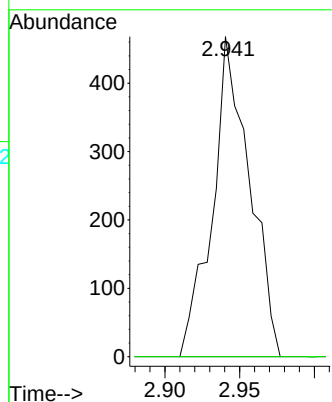
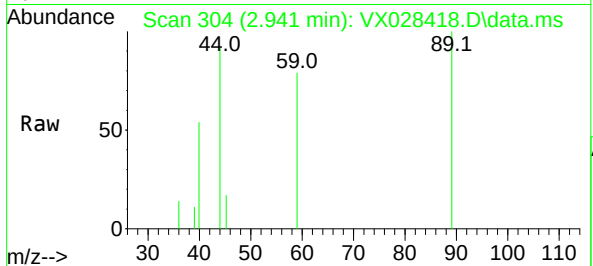




#23
tert-Butyl Alcohol
Concen: 0.932 ug/l
RT: 2.941 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

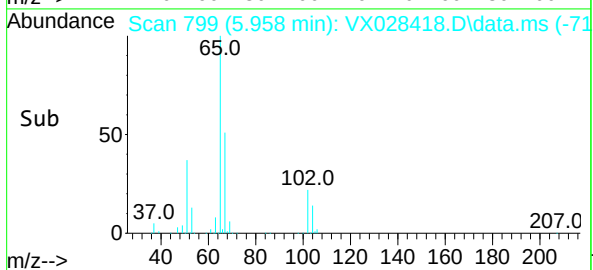
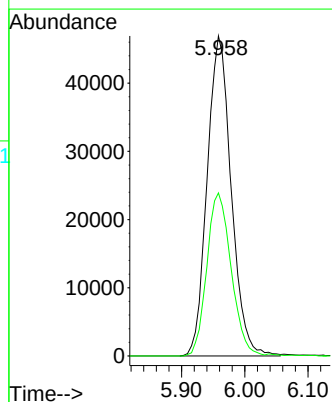
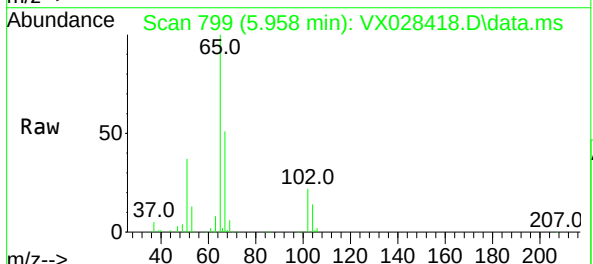
Instrument : MSVOA_X
ClientSampleId : PUMP-STATION-207ST-TRAIN-FACILITY

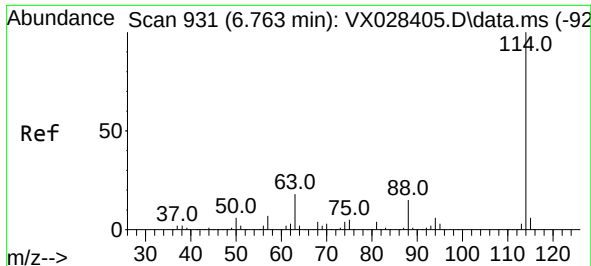
Tgt Ion: 59 Resp: 808
Ion Ratio Lower Upper
59 100
52 38.4 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 33.262 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Tgt Ion: 65 Resp: 123981
Ion Ratio Lower Upper
65 100
67 51.4 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX028418.D

Acq: 29 Apr 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

PUMP-STATION-207ST-TRAIN-FACILITY

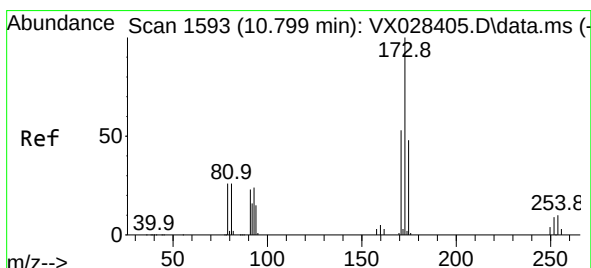
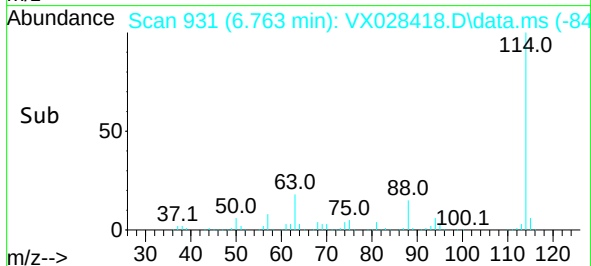
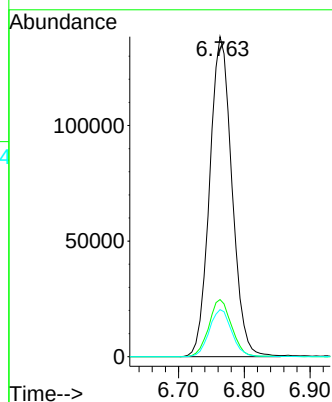
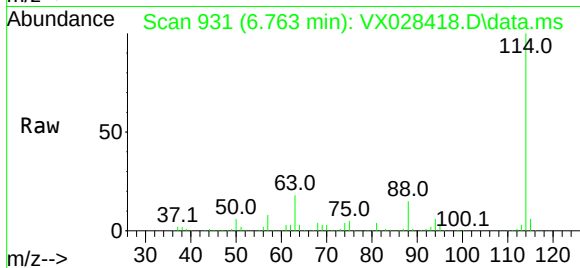
Tgt Ion:114 Resp: 327477

Ion Ratio Lower Upper

114 100

63 18.1 15.3 22.9

88 14.6 12.2 18.4



#56

Bromoform

Concen: 0.405 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX028418.D

Acq: 29 Apr 2022 13:06

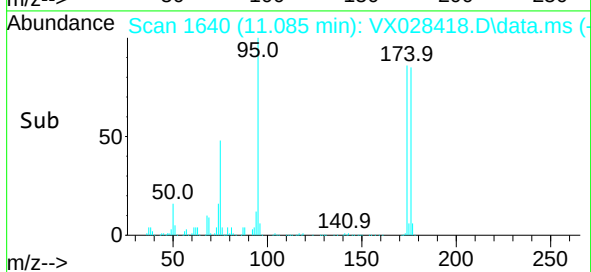
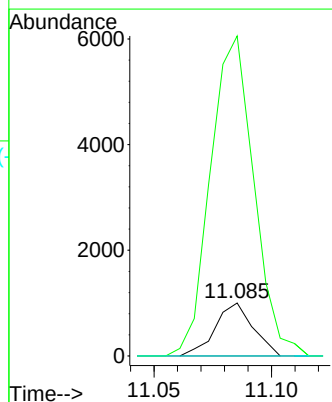
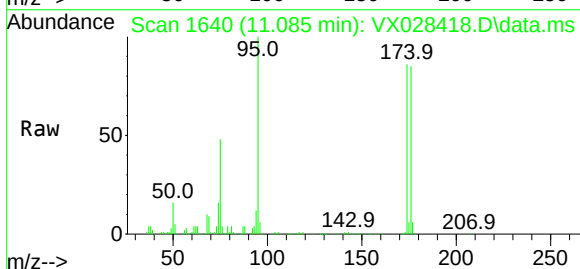
Tgt Ion:173 Resp: 1123

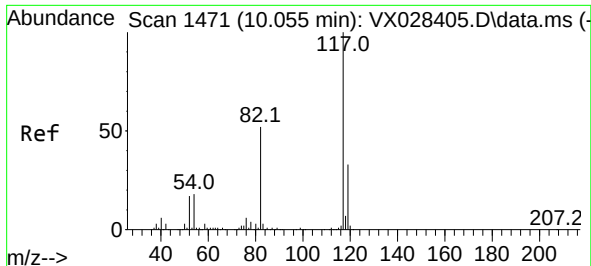
Ion Ratio Lower Upper

173 100

175 694.9 40.3 60.5#

254 0.0 7.4 11.2#

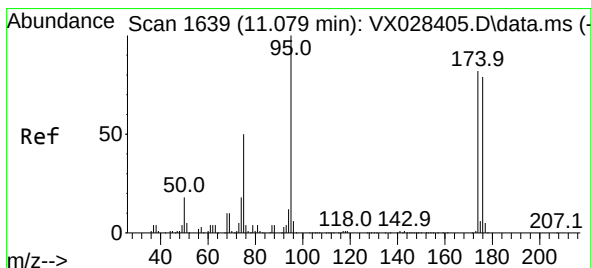
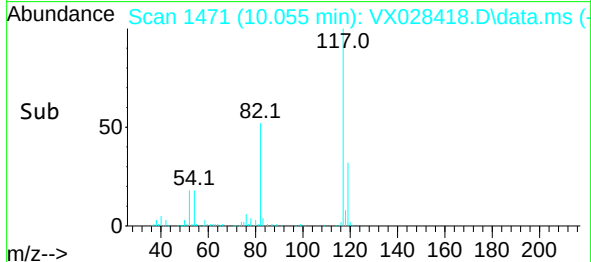
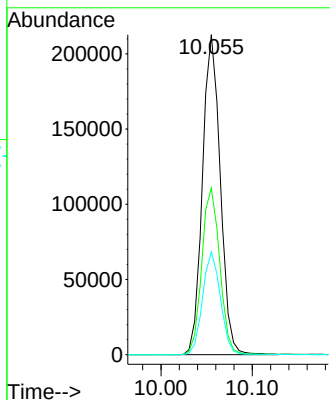
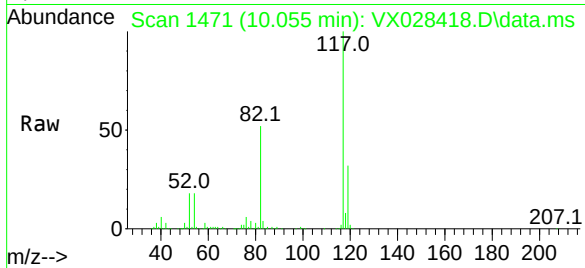




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

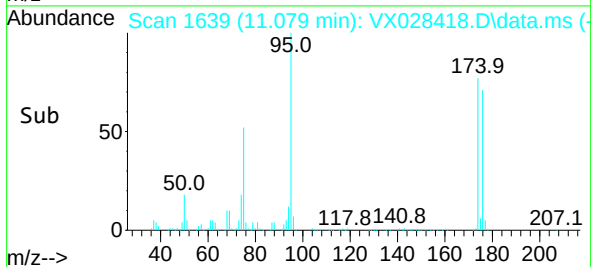
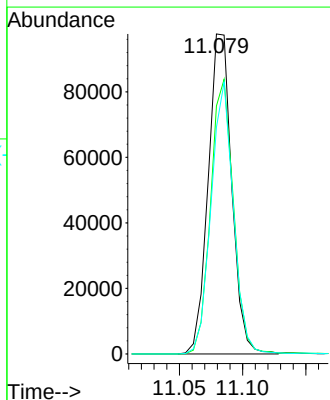
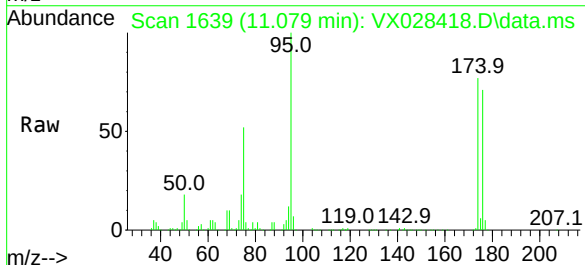
Instrument :
MSVOA_X
ClientSampleId :
PUMP-STATION-207ST-TRAIN-FACILITY

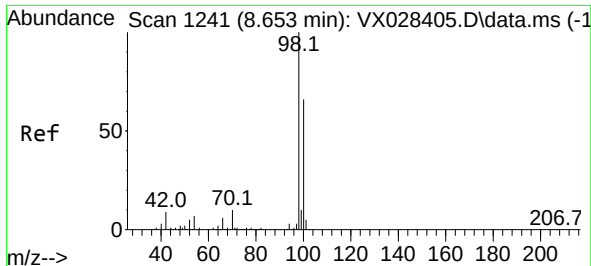
Tgt Ion:117 Resp: 287880
Ion Ratio Lower Upper
117 100
82 52.4 42.3 63.5
119 32.1 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 28.260 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Tgt Ion: 95 Resp: 126521
Ion Ratio Lower Upper
95 100
174 82.7 65.4 98.2
176 80.4 63.4 95.0

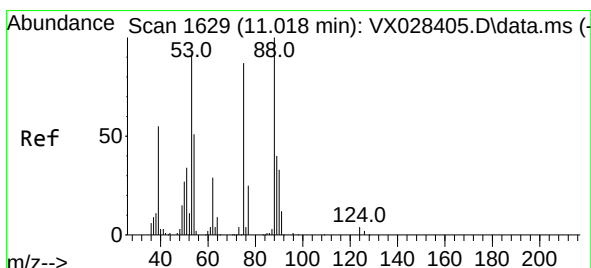
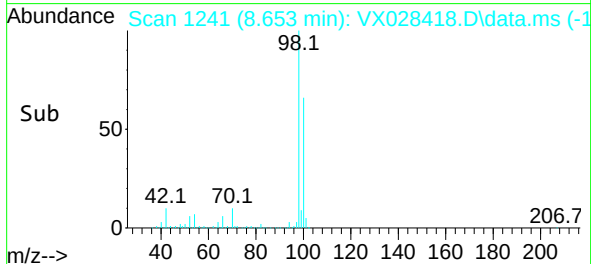
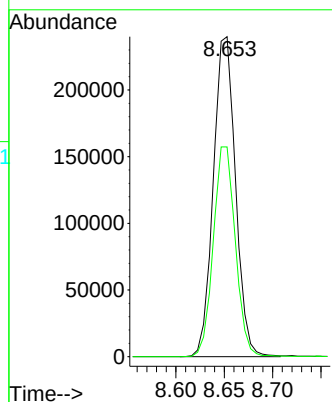
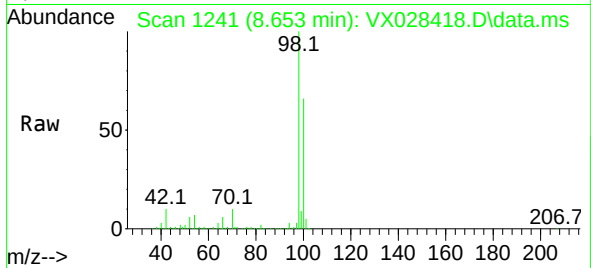




#63
Toluene-d8
Concen: 31.406 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

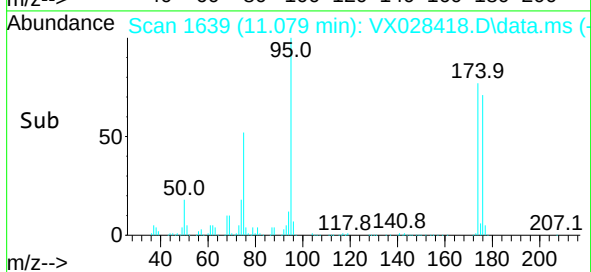
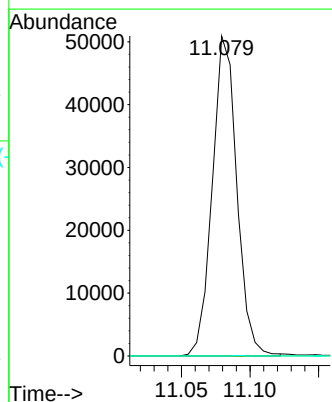
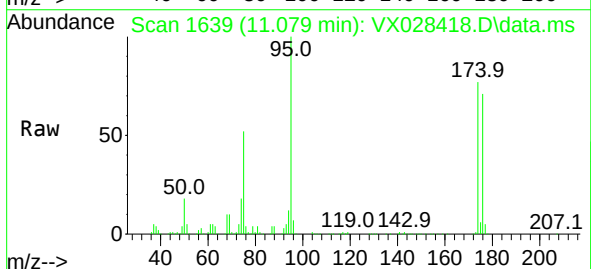
Instrument : MSVOA_X
ClientSampleId : PUMP-STATION-207ST-TRAIN-FACILITY

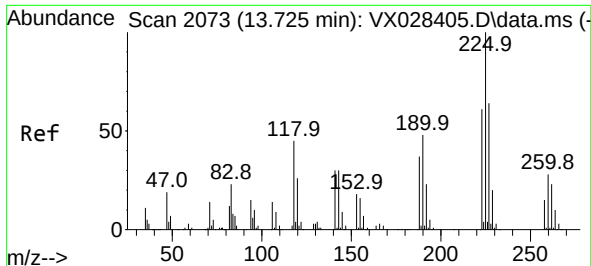
Tgt Ion: 98 Resp: 383008
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 44.357 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Tgt Ion: 75 Resp: 63308
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

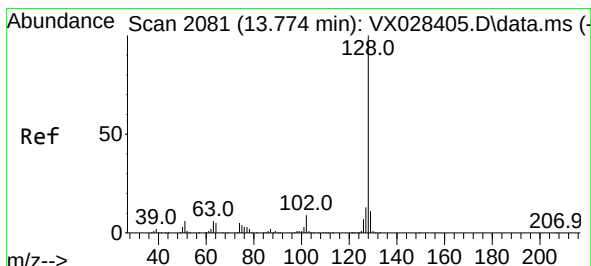
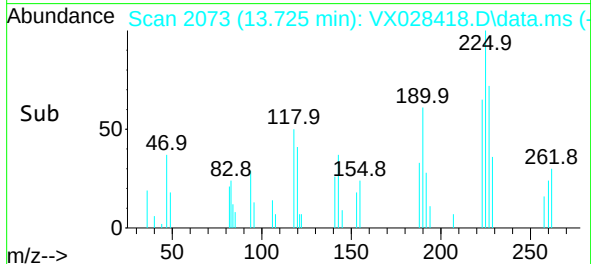
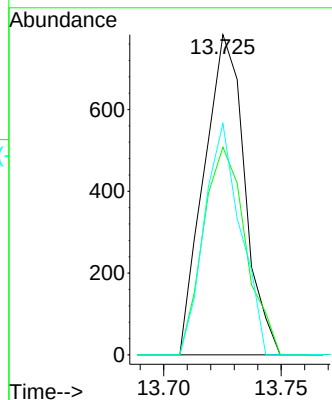
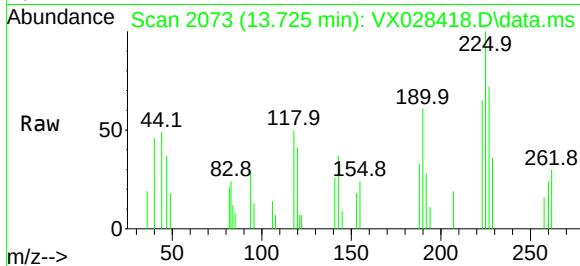




#90
Hexachlorobutadiene
Concen: 0.447 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

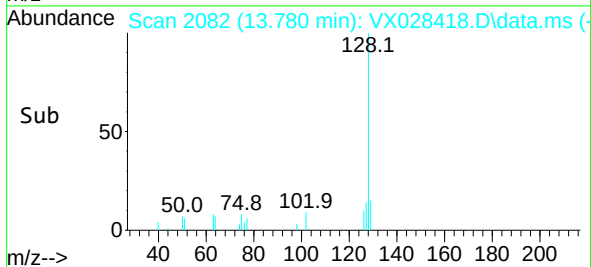
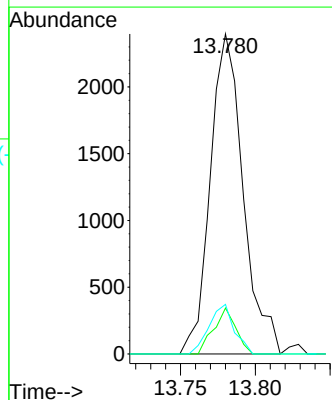
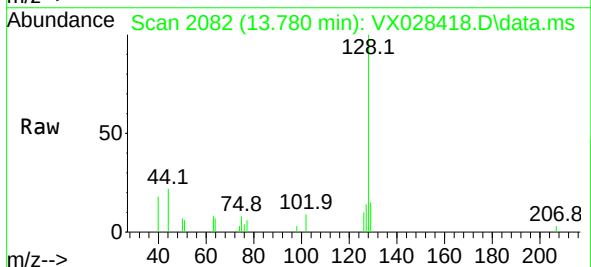
Instrument : MSVOA_X
ClientSampleId : PUMP-STATION-207ST-TRAIN-FACILITY

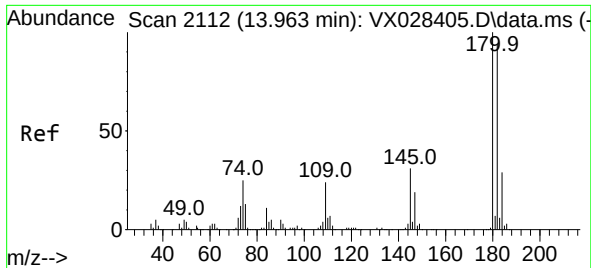
Tgt Ion:225	Resp:	940
Ion Ratio	Lower	Upper
225	100	
223	68.1	0.0 126.0
227	64.6	0.0 125.0



#91
Naphthalene
Concen: 0.211 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028418.D
Acq: 29 Apr 2022 13:06

Tgt Ion:128	Resp:	3662
Ion Ratio	Lower	Upper
128	100	
127	9.7	10.0 15.0#
129	11.8	8.8 13.2





#92

1,2,3-Trichlorobenzene

Concen: 0.205 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028418.D

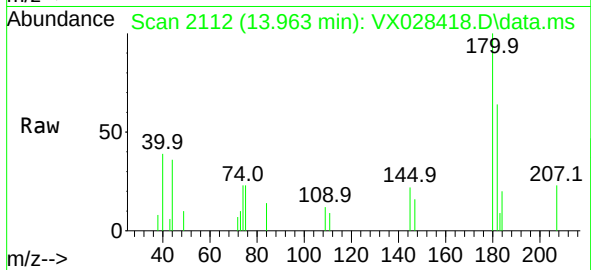
Acq: 29 Apr 2022 13:06

Instrument :

MSVOA_X

ClientSampleId :

PUMP-STATION-207ST-TRAIN-FACILITY



Tgt Ion:180 Resp: 1020

Ion Ratio Lower Upper

180 100

182 71.3 0.0 189.4

145 26.7 0.0 67.2

