

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026409.D
 Acq On : 10 Jan 2022 17:49
 Operator : JC/MD
 Sample : N1036-02 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QUARTERLY-OUTFALL-002

Quant Time: Jan 11 04:57:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

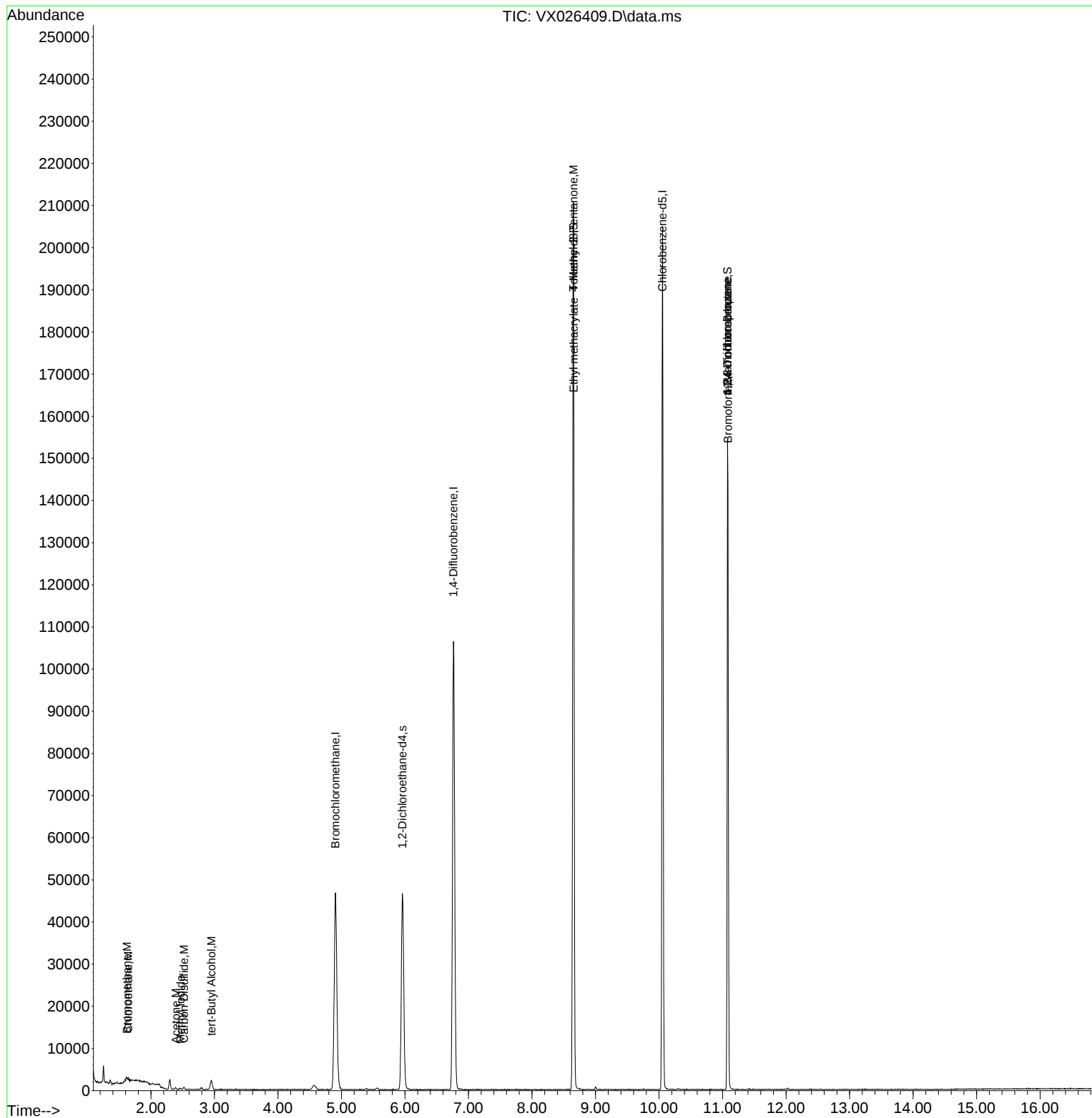
Internal Standards						
1) Bromochloromethane	4.904	128	19087	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	107396	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	89542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	47646	31.044	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.467%
60) 4-Bromofluorobenzene	11.079	95	42318	28.318	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.400%
63) Toluene-d8	8.653	98	124560	30.281	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.933%
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	188	0.376	ug/l #	73
6) Chloroethane	1.642	64	216	0.343	ug/l #	71
11) Methyl Iodide	2.465	142	312	0.280	ug/l #	66
15) Acetone	2.392	58	95	0.504	ug/l #	34
16) Carbon Disulfide	2.520	76	700	0.242	ug/l #	75
23) tert-Butyl Alcohol	2.953	59	1617	7.436	ug/l #	100
51) Ethyl methacrylate	8.659	69	456	0.252	ug/l #	71
56) Bromoform	11.085	173	328	0.400	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	551	0.330	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	21774	15.236	ug/l	38
77) t-1,4-Dichloro-2-butene	11.079	75	21774	50.658	ug/l #	3

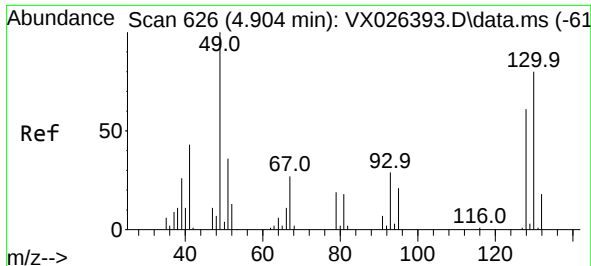
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 11 04:57:12 2022
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration

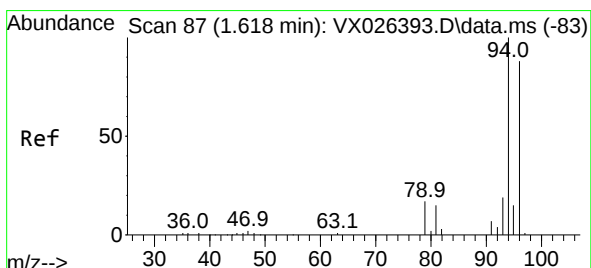
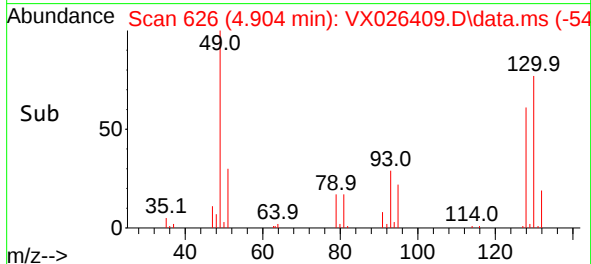
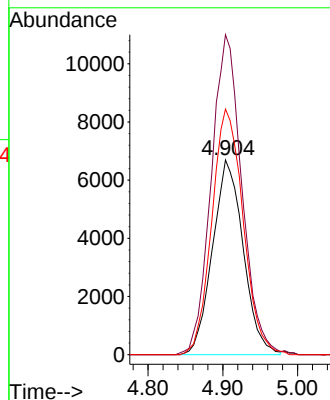
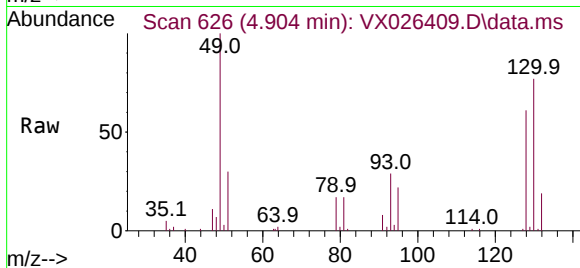




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

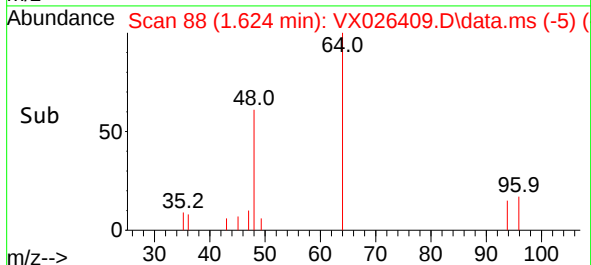
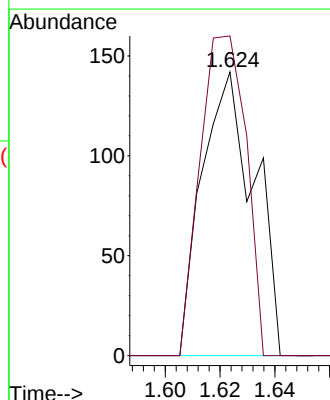
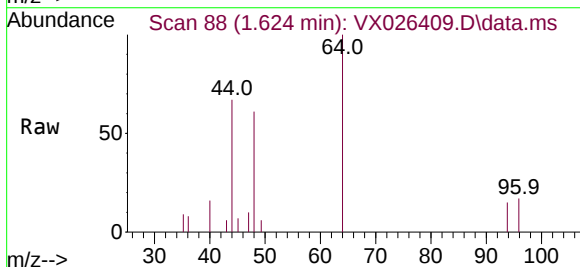
Instrument :
MSVOA_X
ClientSampleId :
QUARTERLY-OUTFALL-002

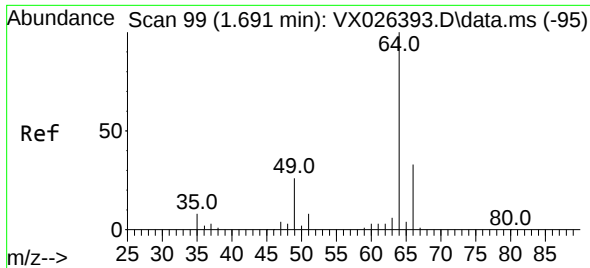
Tgt Ion:128 Resp: 19087
Ion Ratio Lower Upper
128 100
49 164.4 0.0 413.5
130 129.1 0.0 326.0



#5
Bromomethane
Concen: 0.376 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

Tgt Ion: 94 Resp: 188
Ion Ratio Lower Upper
94 100
96 112.7 70.3 105.5#

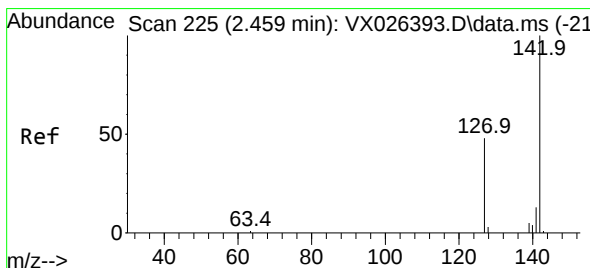
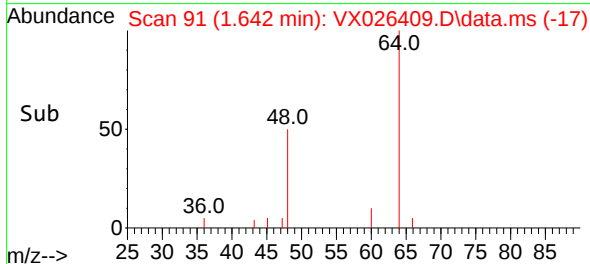
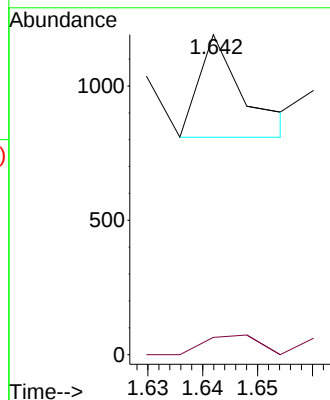
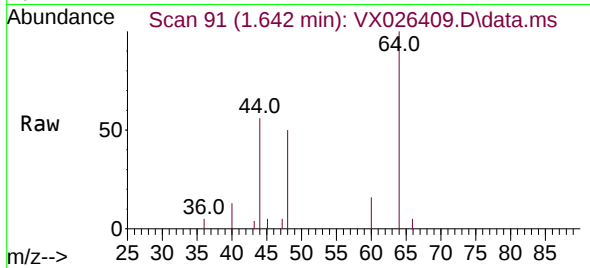




#6
Chloroethane
Concen: 0.343 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.049 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

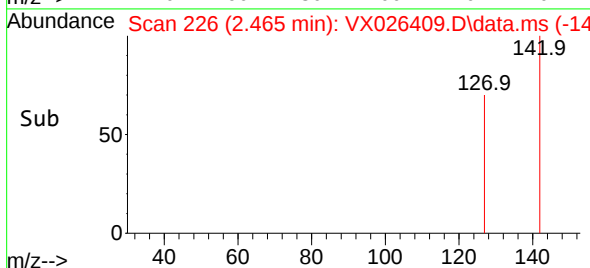
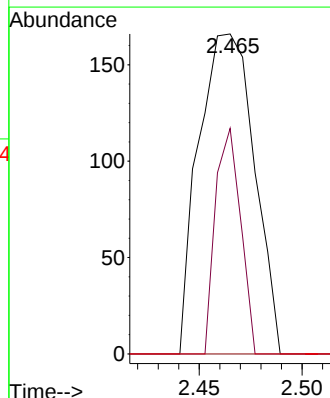
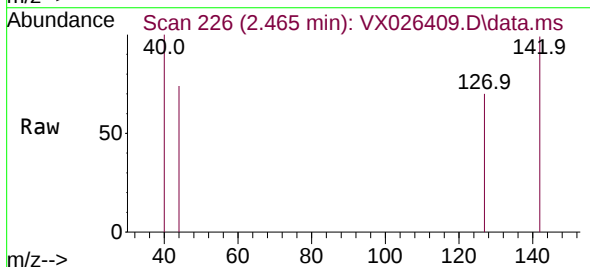
Instrument :
MSVOA_X
ClientSampleId :
QUARTERLY-OUTFALL-002

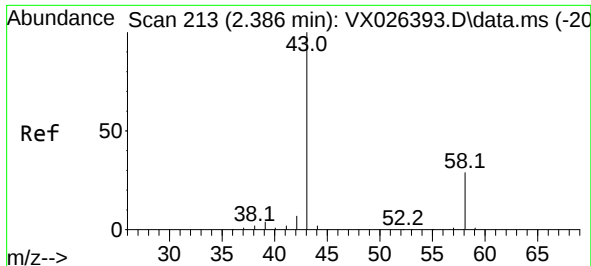
Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 16.8 26.6 39.8#



#11
Methyl Iodide
Concen: 0.280 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

Tgt Ion: 142 Resp: 312
Ion Ratio Lower Upper
142 100
127 70.5 23.9 71.7
141 0.0 6.7 20.1#





#15

Acetone

Concen: 0.504 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX026409.D

Acq: 10 Jan 2022 17:49

Instrument :

MSVOA_X

ClientSampleId :

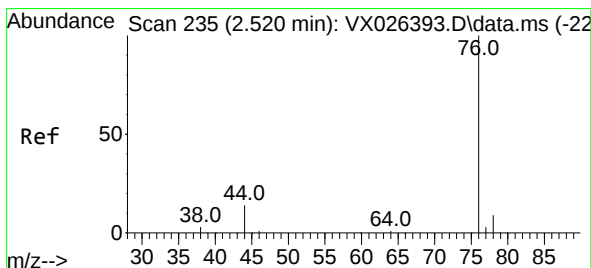
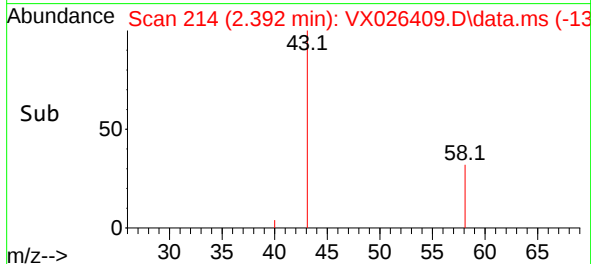
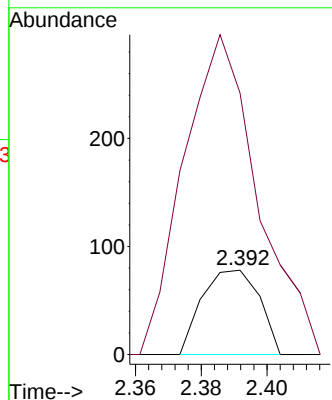
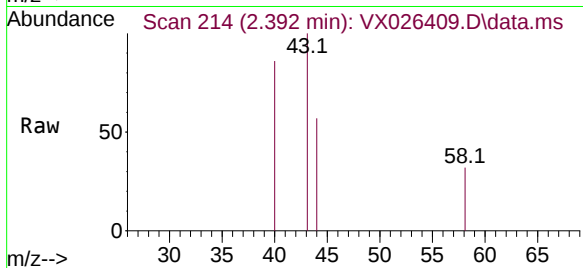
QUARTERLY-OUTFALL-002

Tgt Ion: 58 Resp: 95

Ion Ratio Lower Upper

58 100

43 203.8 276.3 414.5#



#16

Carbon Disulfide

Concen: 0.242 ug/l

RT: 2.520 min Scan# 235

Delta R.T. 0.000 min

Lab File: VX026409.D

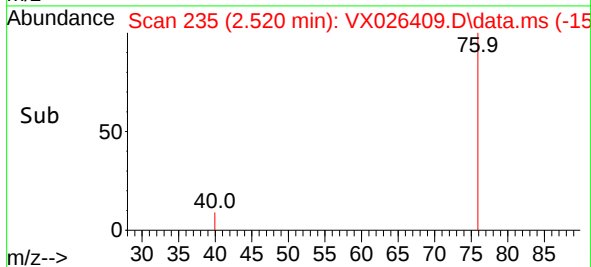
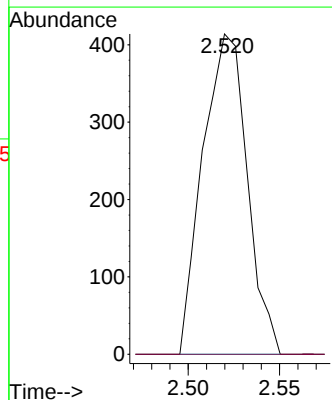
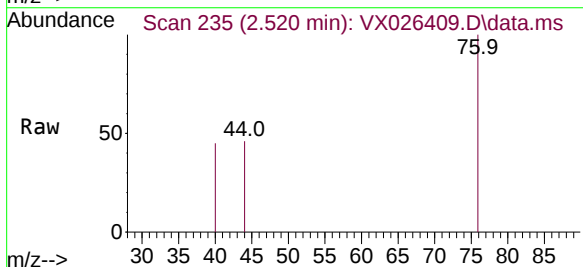
Acq: 10 Jan 2022 17:49

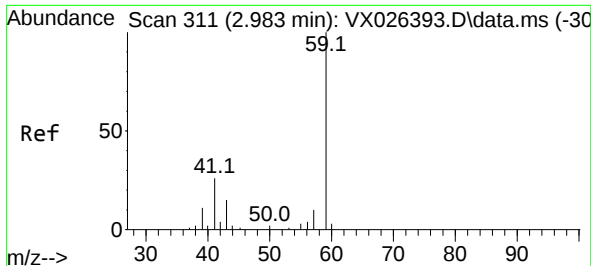
Tgt Ion: 76 Resp: 700

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

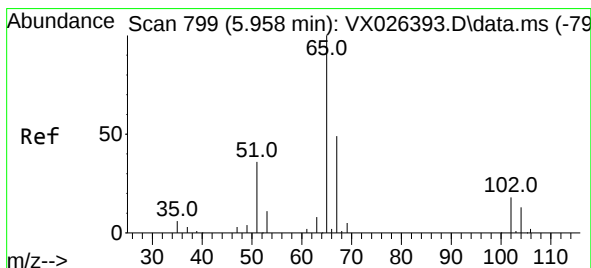
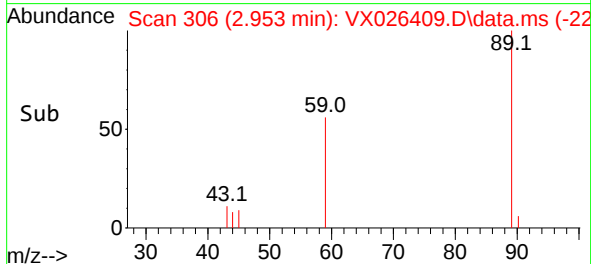
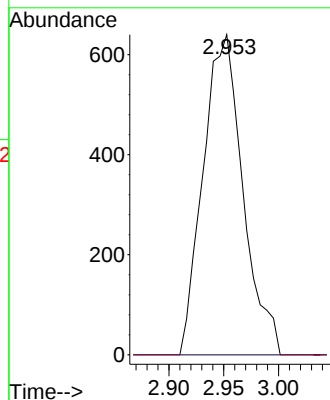
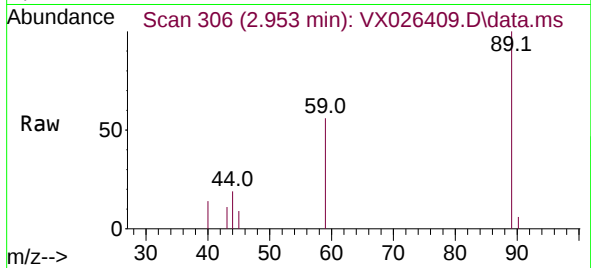




#23
tert-Butyl Alcohol
Concen: 7.436 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

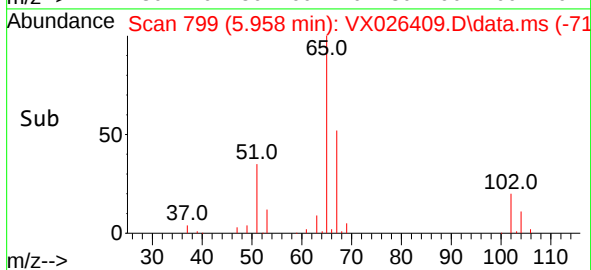
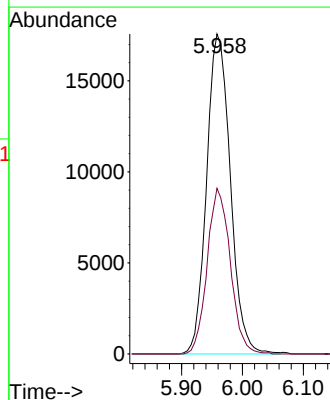
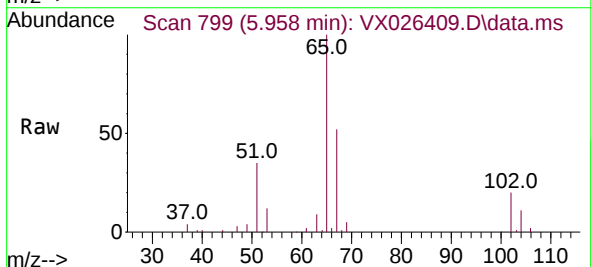
Instrument :
MSVOA_X
ClientSampleId :
QUARTERLY-OUTFALL-002

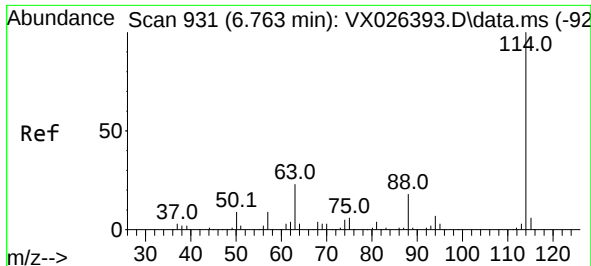
Tgt Ion: 59 Resp: 1617
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.044 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

Tgt Ion: 65 Resp: 47646
Ion Ratio Lower Upper
65 100
67 50.3 39.6 59.4

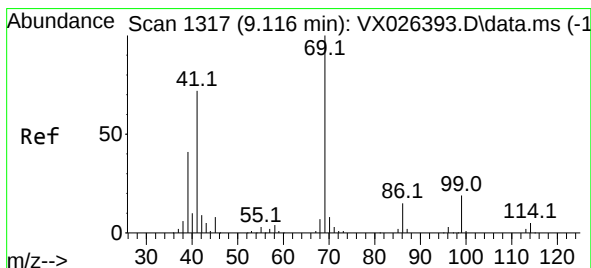
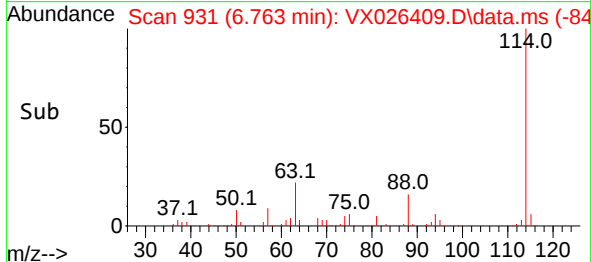
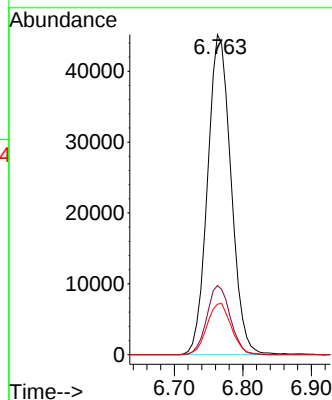
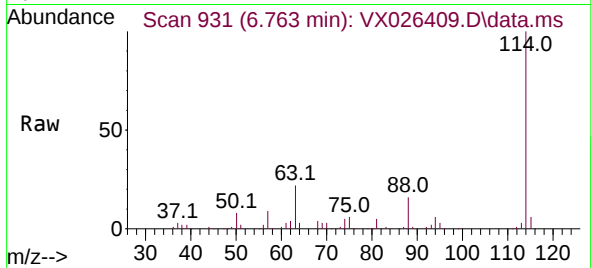




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

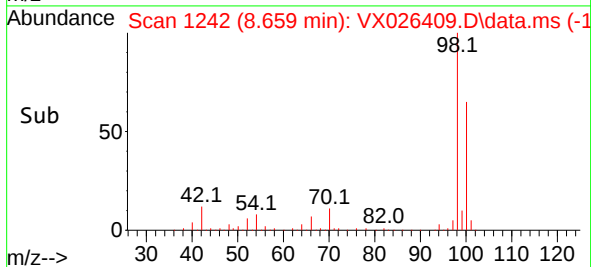
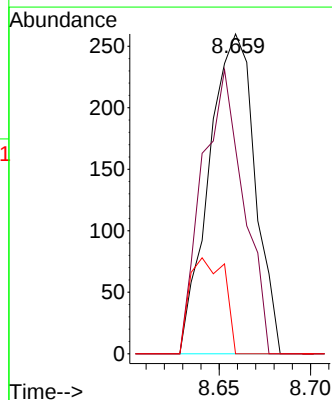
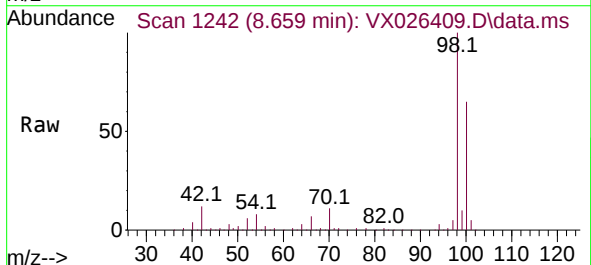
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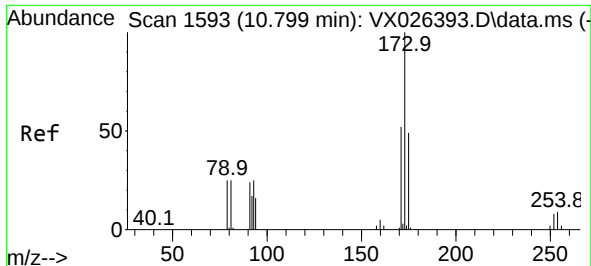
Tgt Ion:114 Resp: 107396
Ion Ratio Lower Upper
114 100
63 21.5 17.4 26.2
88 16.6 13.5 20.3



#51
Ethyl methacrylate
Concen: 0.252 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. -0.457 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

Tgt Ion: 69 Resp: 456
Ion Ratio Lower Upper
69 100
41 64.2 35.9 107.7
39 0.0 20.3 61.0#

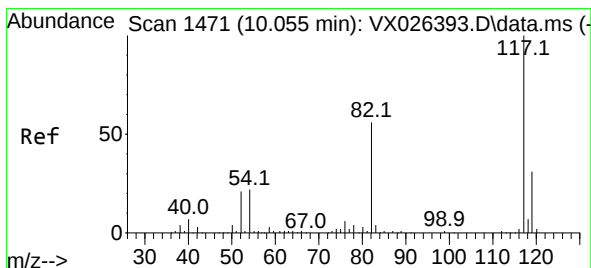
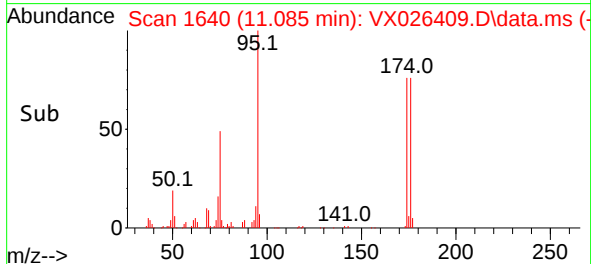
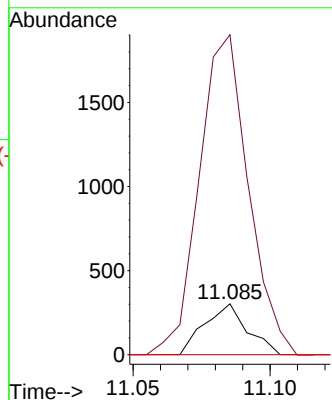
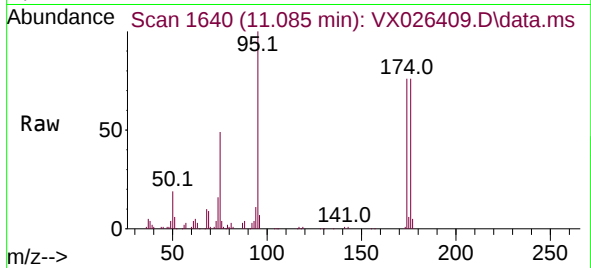




#56
Bromoform
Concen: 0.400 ug/l
RT: 11.085 min Scan# 11085
Delta R.T. 0.287 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

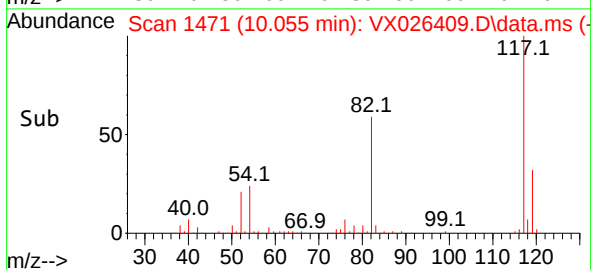
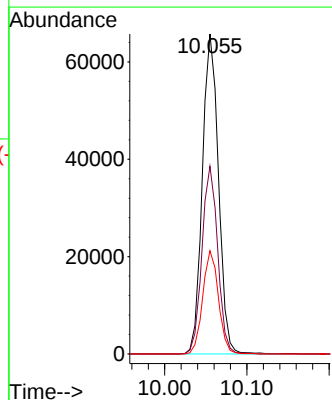
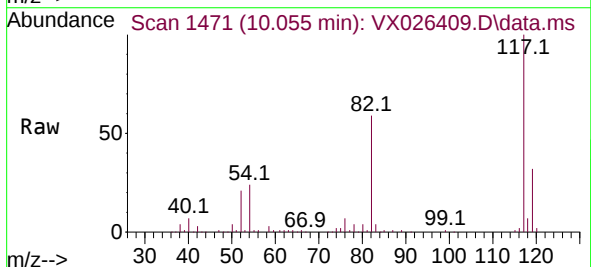
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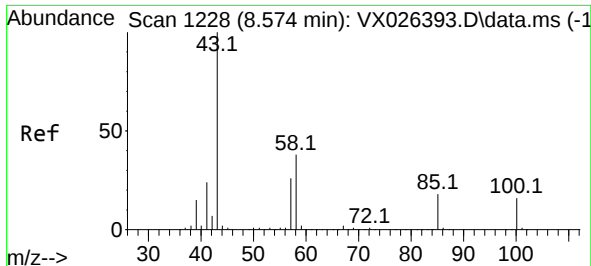
Tgt Ion:173 Resp: 328
Ion Ratio Lower Upper
173 100
175 724.4 38.0 57.0#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

Tgt Ion:117 Resp: 89542
Ion Ratio Lower Upper
117 100
82 57.4 46.2 69.4
119 31.5 25.4 38.2

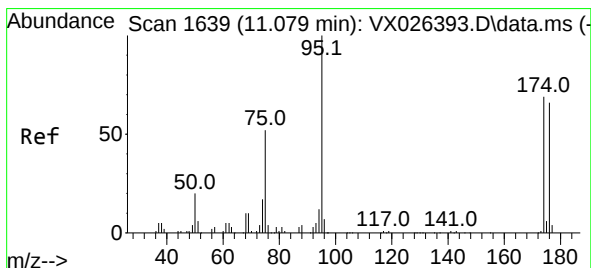
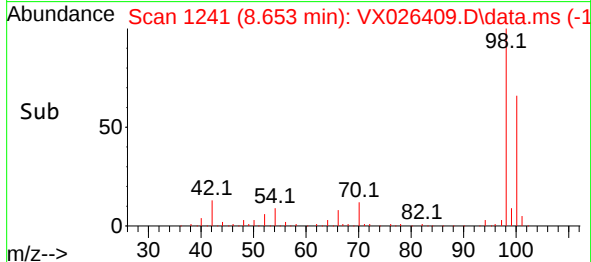
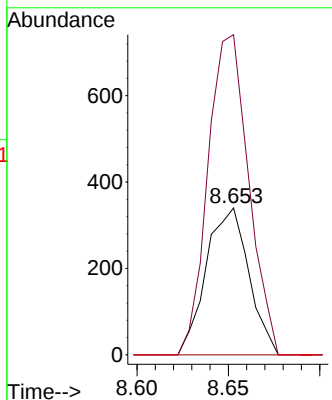
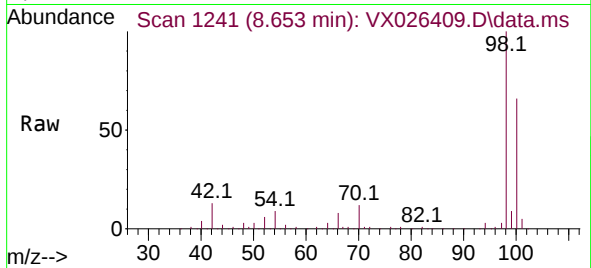




#58
4-Methyl-2-Pentanone
Concen: 0.330 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

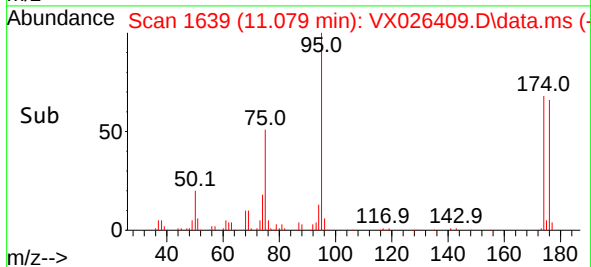
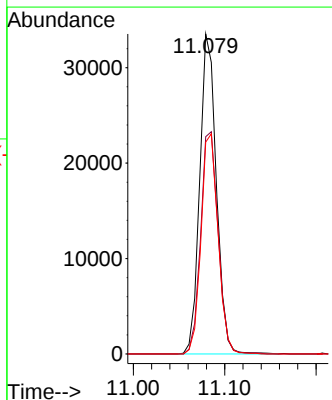
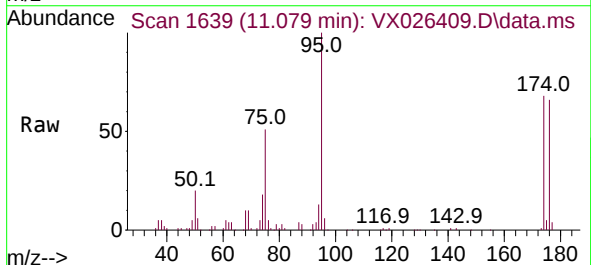
Instrument : MSVOA_X
ClientSampleId : QUARTERLY-OUTFALL-002

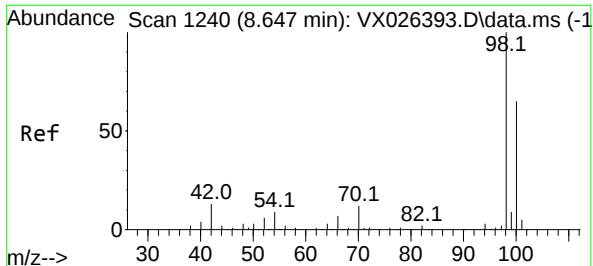
Tgt Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
58 208.7 30.2 45.4#
85 0.0 14.1 21.1#



#60
4-Bromofluorobenzene
Concen: 28.318 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

Tgt Ion: 95 Resp: 42318
Ion Ratio Lower Upper
95 100
174 72.6 58.0 87.0
176 70.4 56.5 84.7

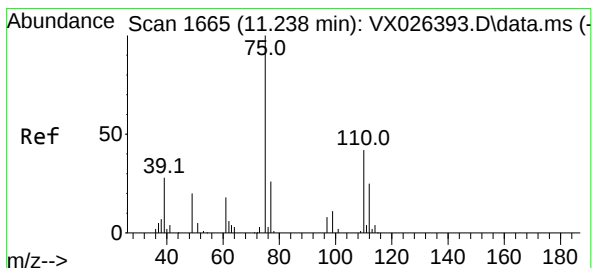
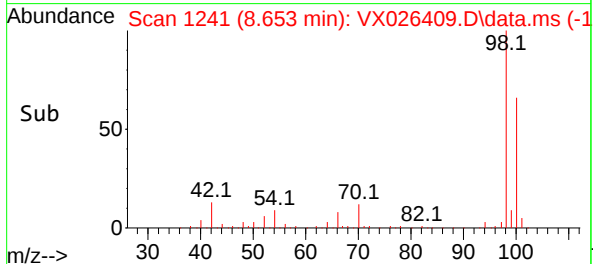
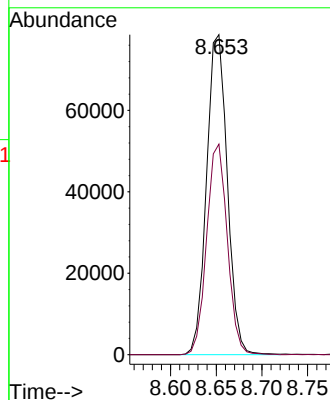
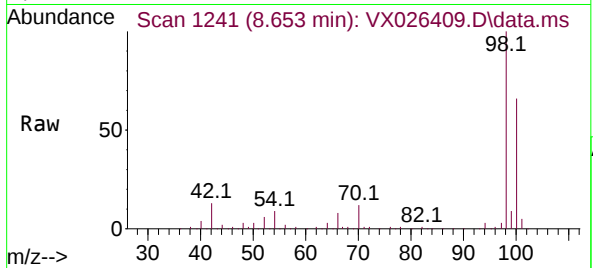




#63
Toluene-d8
Concen: 30.281 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

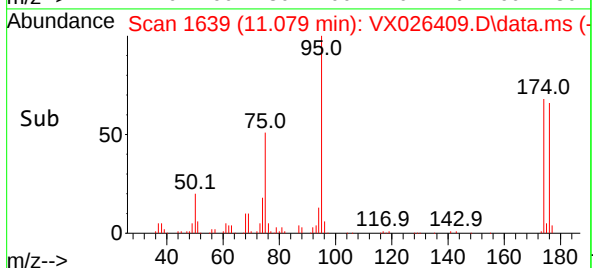
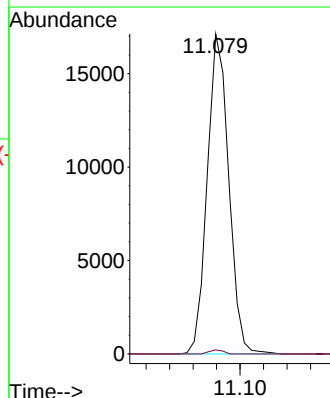
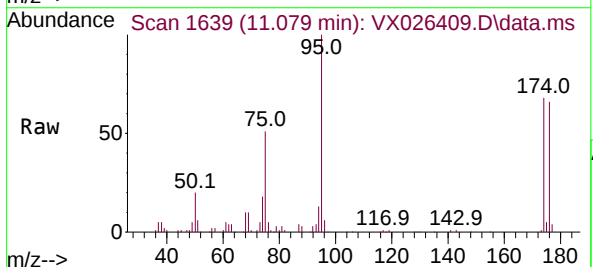
Instrument :
MSVOA_X
ClientSampleId :
QUARTERLY-OUTFALL-002

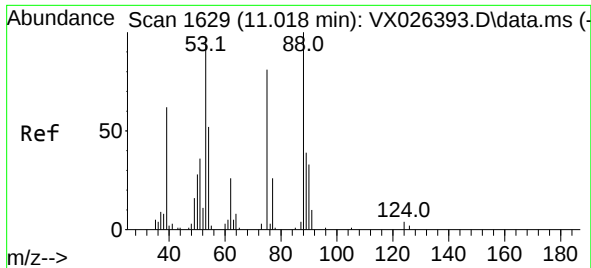
Tgt Ion: 98 Resp: 124560
Ion Ratio Lower Upper
98 100
100 65.4 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 15.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

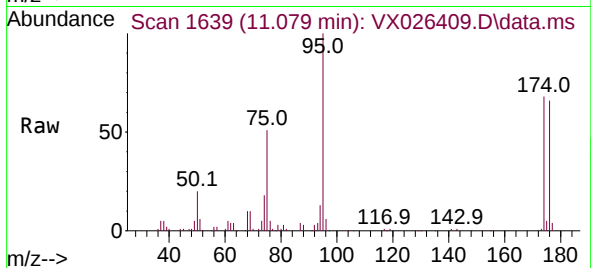
Tgt Ion: 75 Resp: 21774
Ion Ratio Lower Upper
75 100
77 0.8 0.0 76.2





#77
t-1,4-Dichloro-2-butene
Concen: 50.658 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026409.D
Acq: 10 Jan 2022 17:49

Instrument :
MSVOA_X
ClientSampleId :
QUARTERLY-OUTFALL-002



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	59.0	176.8#
89	0.0	24.0	72.0#

