

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028421.D
 Acq On : 29 Apr 2022 14:16
 Operator : JC/MD
 Sample : N2550-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DYCKMAN-200ST-A51515T50SBRE

Quant Time: Apr 29 15:06:36 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)

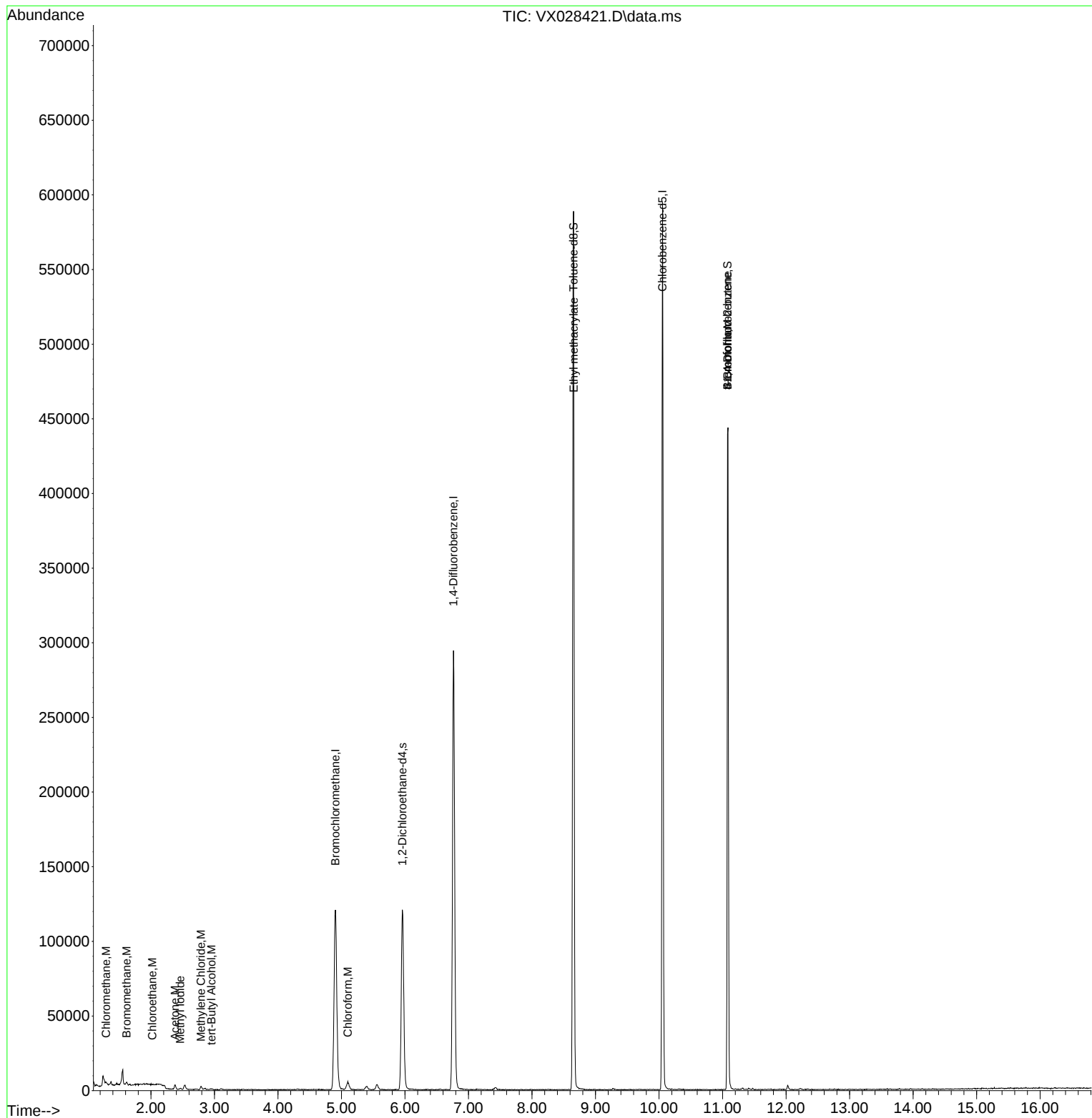
Internal Standards						
1) Bromochloromethane	4.903	128	55721	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	313752	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	273612	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	118129	33.336	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	111.133%#	
60) 4-Bromofluorobenzene	11.079	95	119841	28.164	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	93.867%	
63) Toluene-d8	8.653	98	357427	30.837	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	102.800%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	432	0.278	ug/l #	58
5) Bromomethane	1.617	94	1053	0.647	ug/l	99
6) Chloroethane	2.020	64	309	0.203	ug/l	91
11) Methyl Iodide	2.459	142	778	0.276	ug/l #	80
15) Acetone	2.380	58	950	2.197	ug/l	83
18) Methylene Chloride	2.788	84	899	0.333	ug/l #	93
23) tert-Butyl Alcohol	2.953	59	620	0.752	ug/l #	100
25) Chloroform	5.099	83	5790	1.063	ug/l	87
51) Ethyl methacrylate	8.659	69	1261	0.261	ug/l	96
56) Bromoform	11.079	173	1165	0.438	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	60700	44.747	ug/l #	3

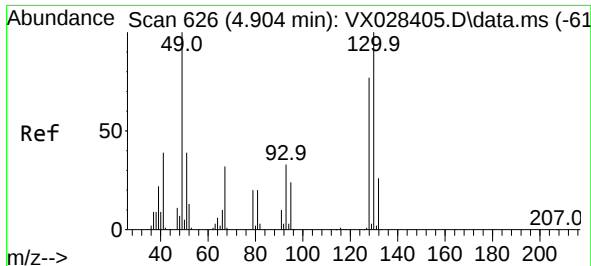
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SBRE

Quant Time: Apr 29 15:06:36 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

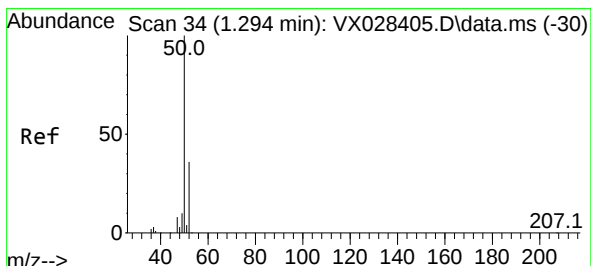
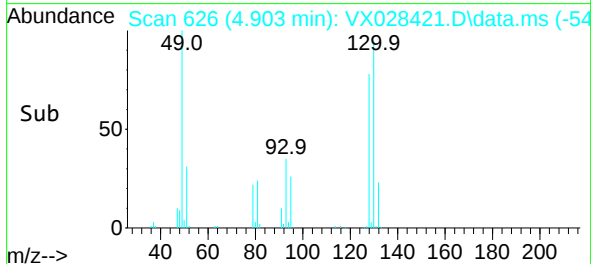
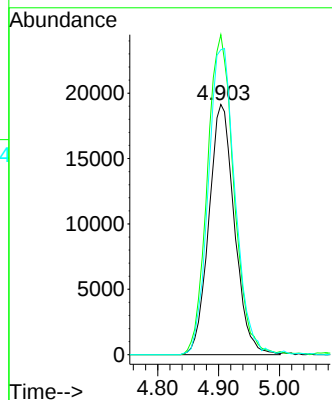
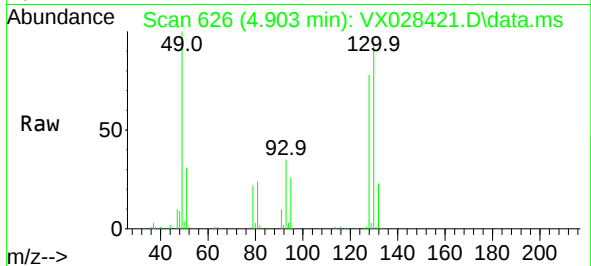




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

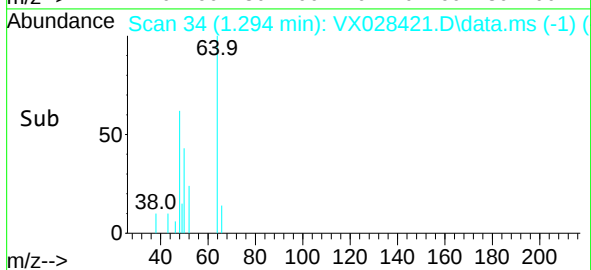
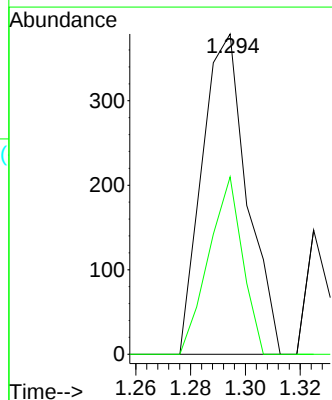
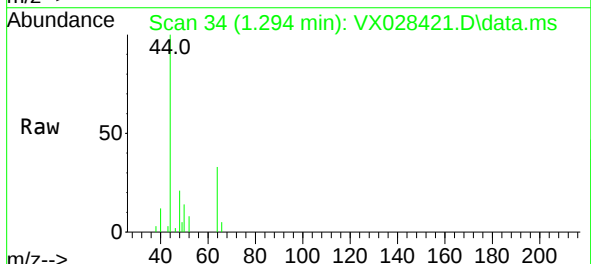
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SBRE

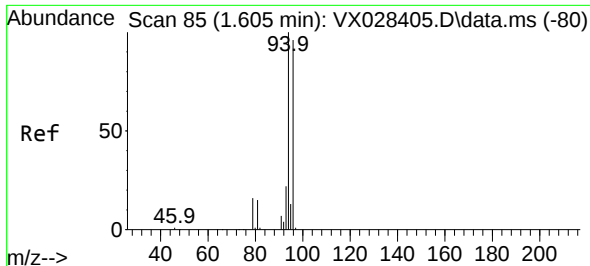
Tgt Ion:128 Resp: 55721
Ion Ratio Lower Upper
128 100
49 132.8 0.0 358.3
130 127.9 0.0 319.3



#3
Chloromethane
Concen: 0.278 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

Tgt Ion: 50 Resp: 432
Ion Ratio Lower Upper
50 100
52 55.4 25.6 38.4#

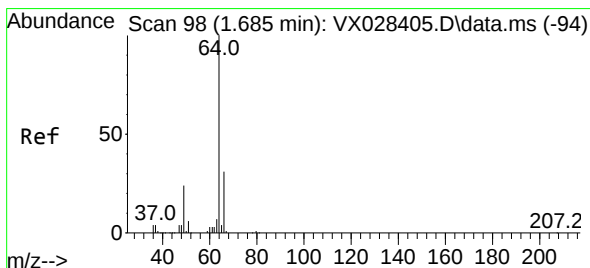
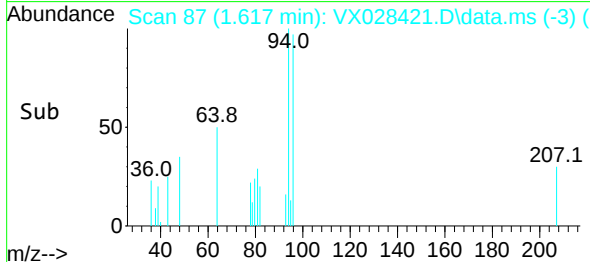
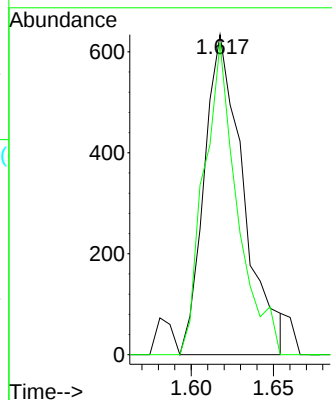
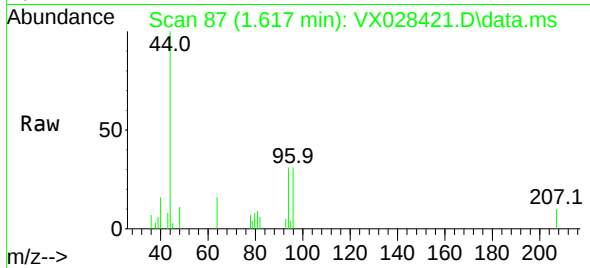




#5
Bromomethane
Concen: 0.647 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

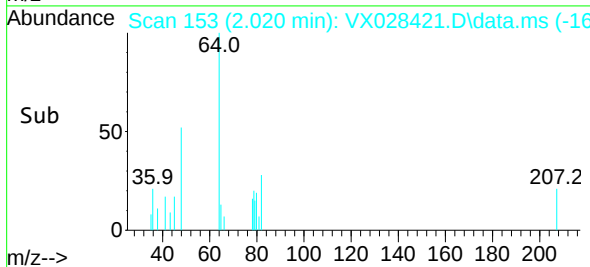
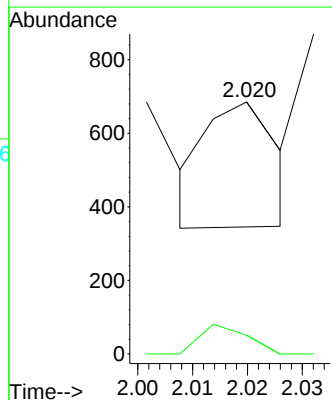
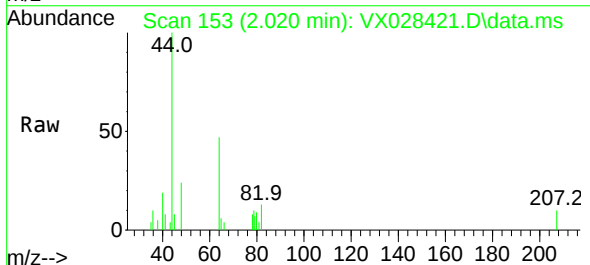
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SBRE

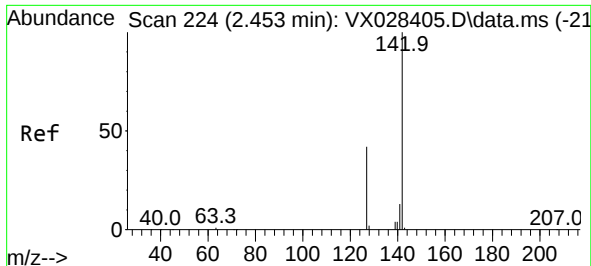
Tgt Ion: 94 Resp: 1053
Ion Ratio Lower Upper
94 100
96 97.5 77.0 115.6



#6
Chloroethane
Concen: 0.203 ug/l
RT: 2.020 min Scan# 153
Delta R.T. 0.335 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

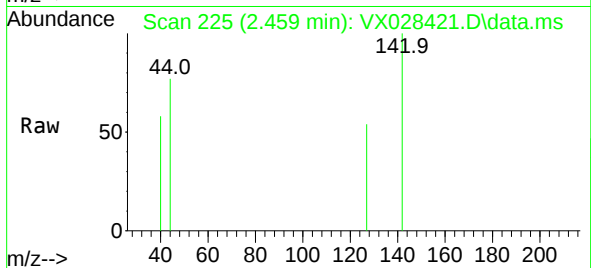
Tgt Ion: 64 Resp: 309
Ion Ratio Lower Upper
64 100
66 27.7 26.4 39.6



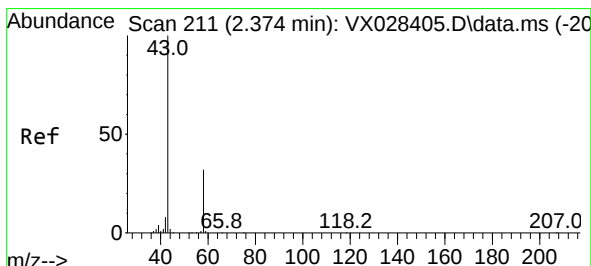
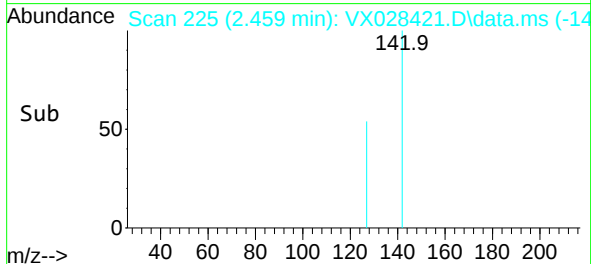
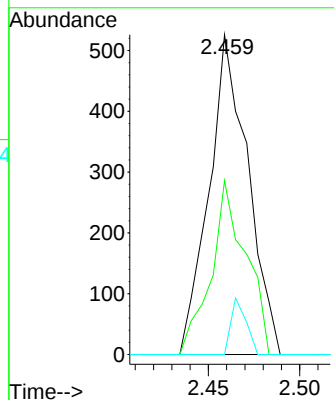


#11
Methyl Iodide
Concen: 0.276 ug/l
RT: 2.459 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SBRE

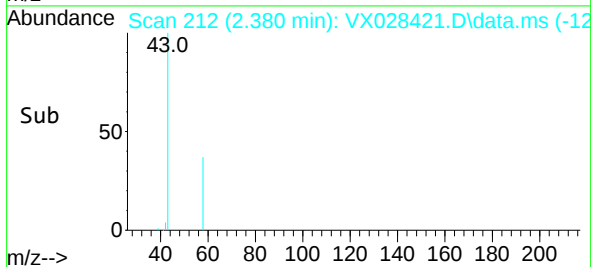
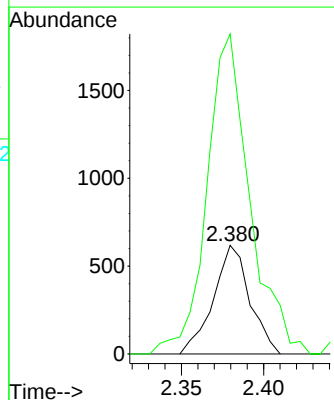
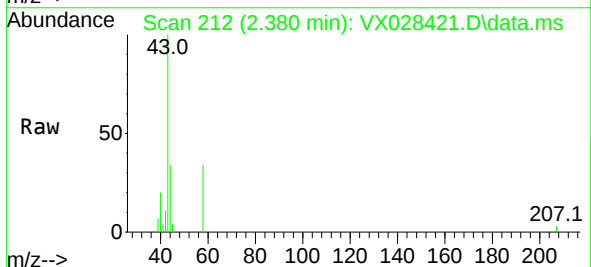


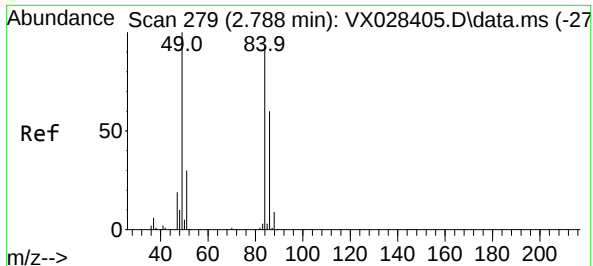
Tgt Ion:142 Resp: 778
Ion Ratio Lower Upper
142 100
127 54.4 22.3 66.9
141 0.0 7.0 20.9#



#15
Acetone
Concen: 2.197 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

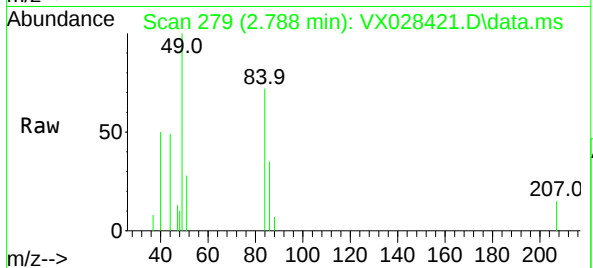
Tgt Ion: 58 Resp: 950
Ion Ratio Lower Upper
58 100
43 279.3 250.2 375.2



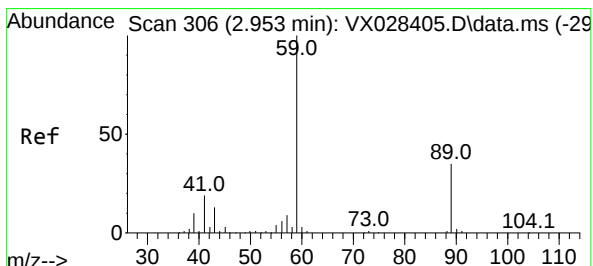
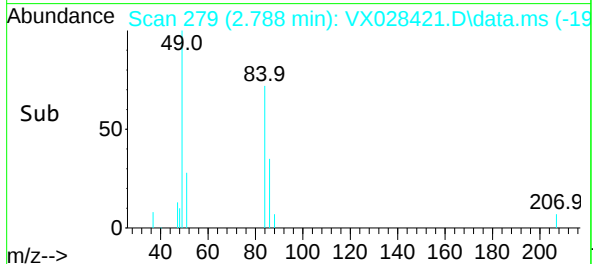
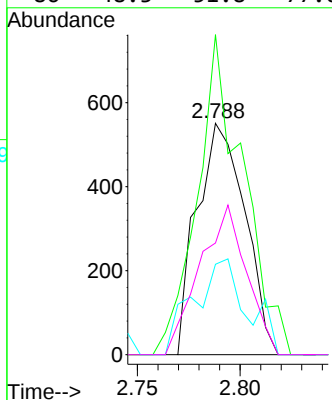


#18
Methylene Chloride
Concen: 0.333 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SBRE

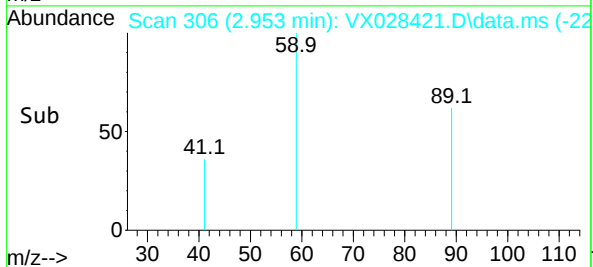
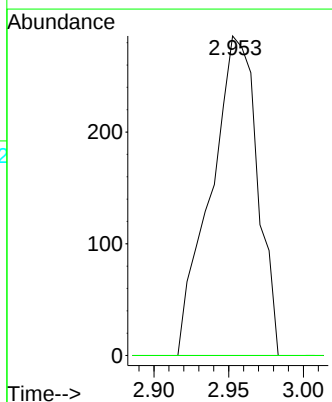
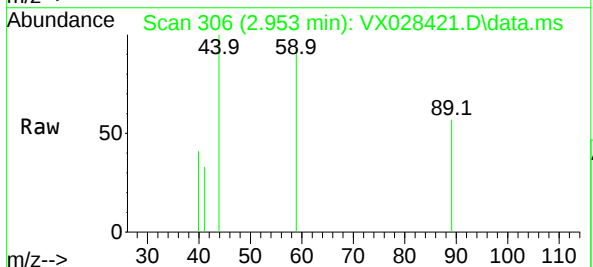


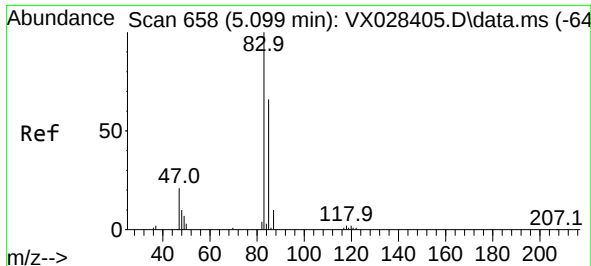
Tgt Ion:	84	Resp:	899
Ion	Ratio	Lower	Upper
84	100		
49	117.2	94.2	141.2
51	39.0	29.2	43.8
86	48.3	51.8	77.6



#23
tert-Butyl Alcohol
Concen: 0.752 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

Tgt Ion:	59	Resp:	620
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

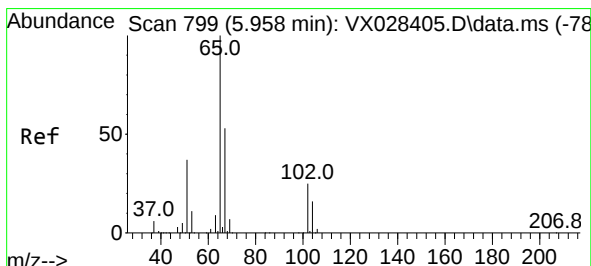
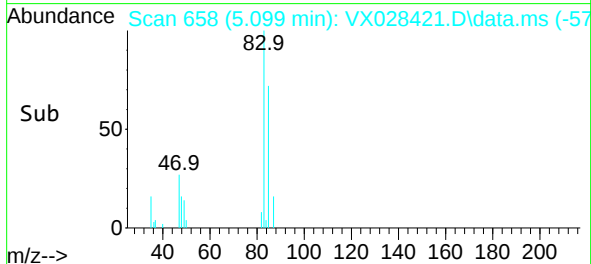
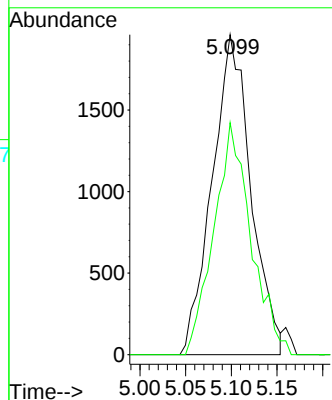
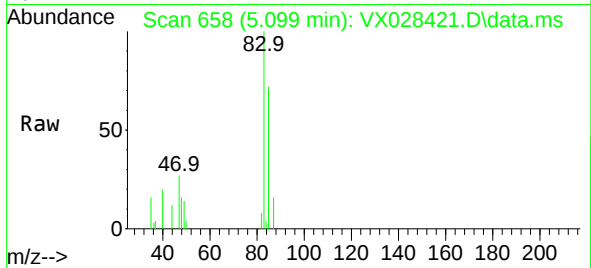




#25
Chloroform
Concen: 1.063 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

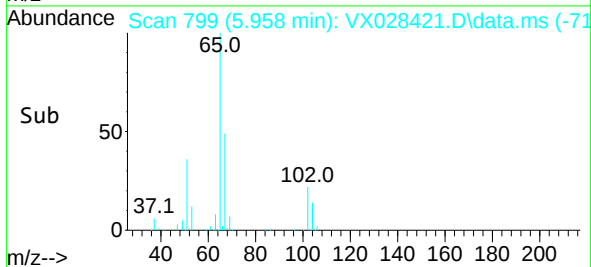
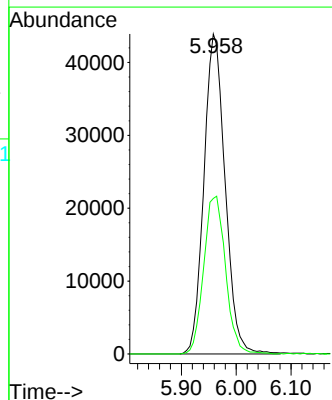
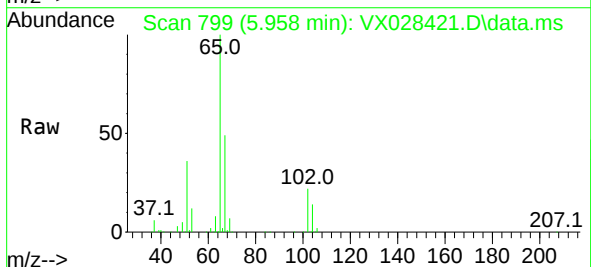
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SBRE

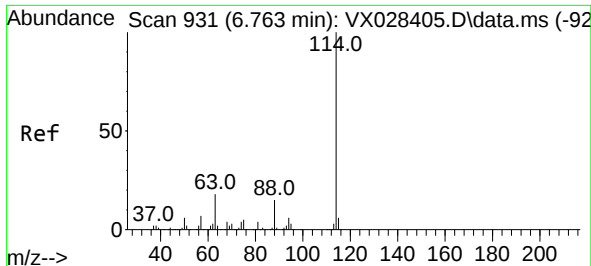
Tgt Ion: 83 Resp: 5790
Ion Ratio Lower Upper
83 100
85 72.5 49.9 74.9



#27
1,2-Dichloroethane-d4
Concen: 33.336 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

Tgt Ion: 65 Resp: 118129
Ion Ratio Lower Upper
65 100
67 50.7 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: VX028421.D

Acq: 29 Apr 2022 14:16

Instrument :

MSVOA_X

ClientSampleId :

DYCKMAN-200ST-A51515T50SBRE

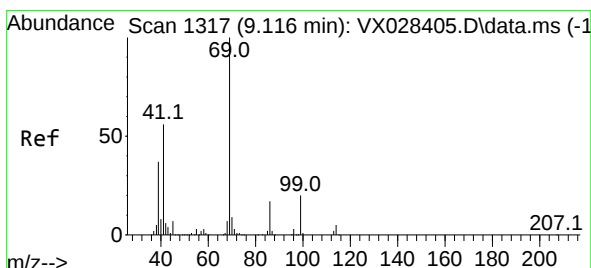
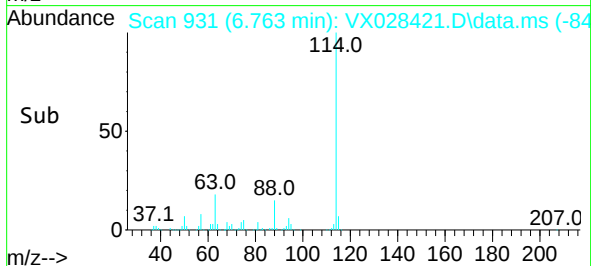
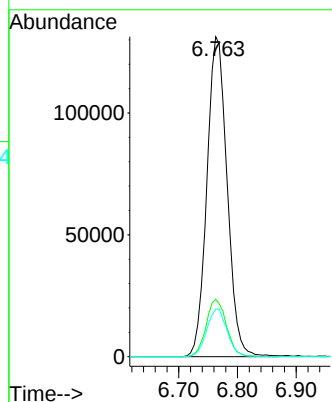
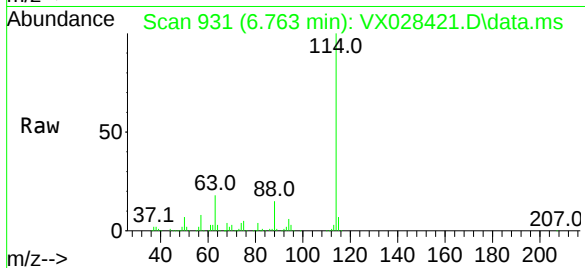
Tgt Ion:114 Resp: 313752

Ion Ratio Lower Upper

114 100

63 18.0 15.3 22.9

88 15.1 12.2 18.4



#51

Ethyl methacrylate

Concen: 0.261 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. -0.457 min

Lab File: VX028421.D

Acq: 29 Apr 2022 14:16

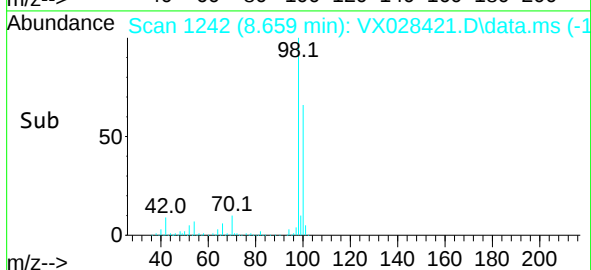
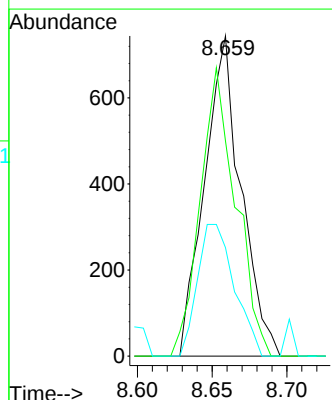
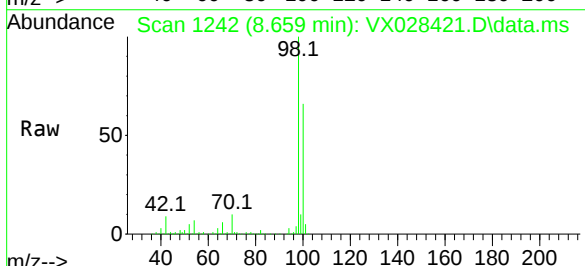
Tgt Ion: 69 Resp: 1261

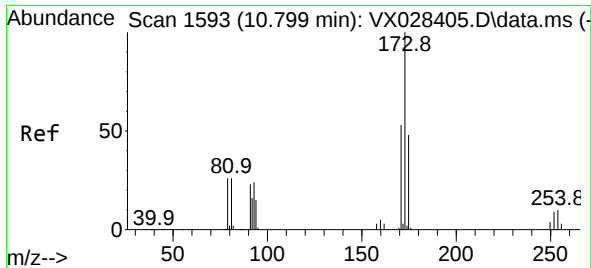
Ion Ratio Lower Upper

69 100

41 67.2 32.1 96.5

39 33.9 18.3 54.9

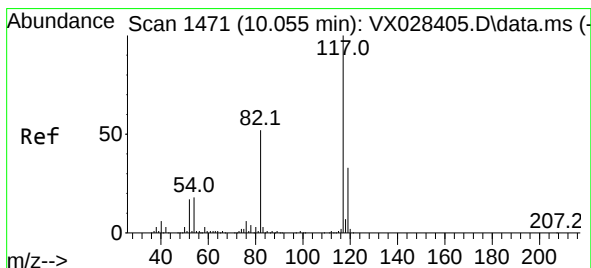
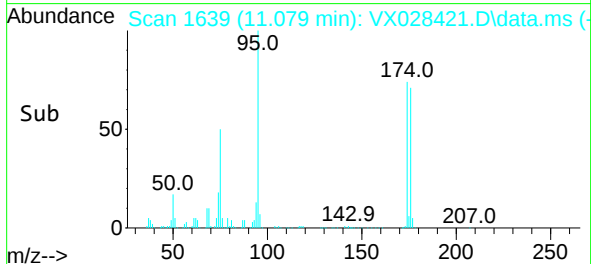
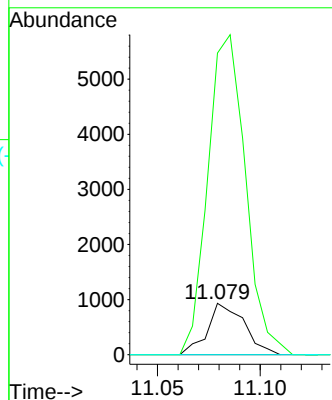
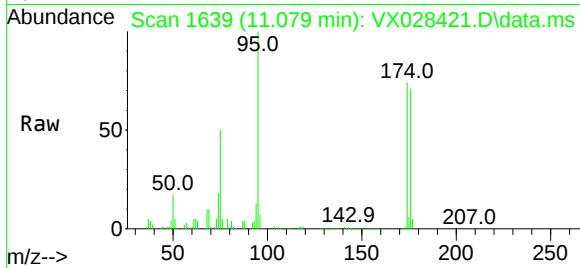




#56
Bromoform
Concen: 0.438 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

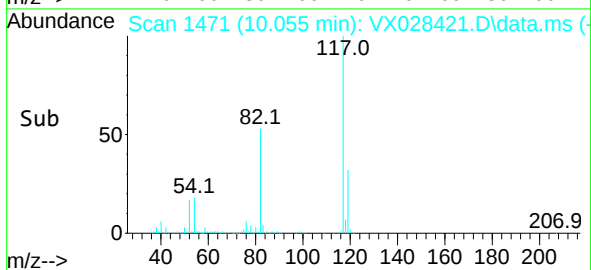
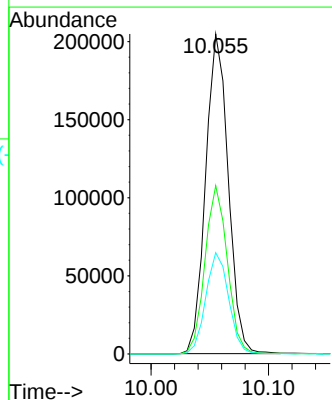
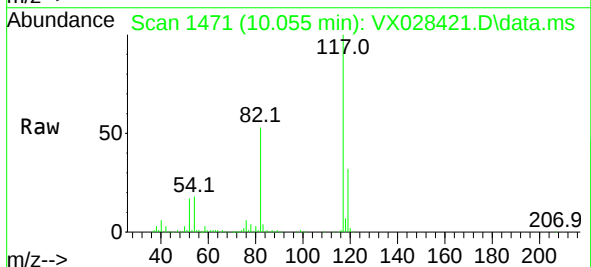
Instrument :
MSVOA_X
ClientSampleId :
DYCKMAN-200ST-A51515T50SBRE

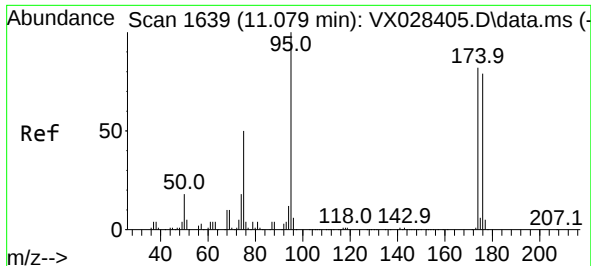
Tgt Ion:173 Resp: 1165
Ion Ratio Lower Upper
173 100
175 635.3 40.3 60.5#
254 0.0 7.4 11.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

Tgt Ion:117 Resp: 273612
Ion Ratio Lower Upper
117 100
82 52.1 42.3 63.5
119 32.2 26.2 39.2

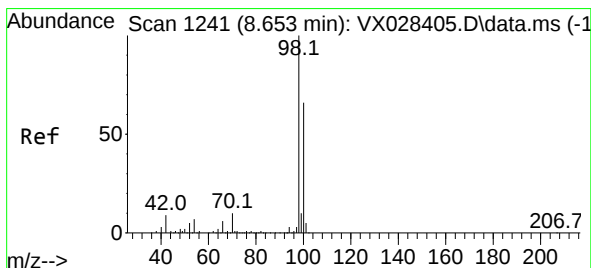
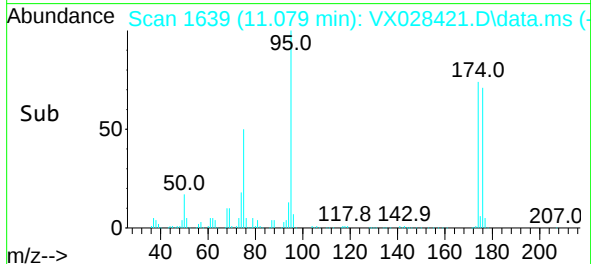
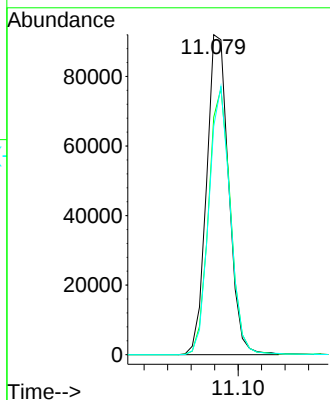
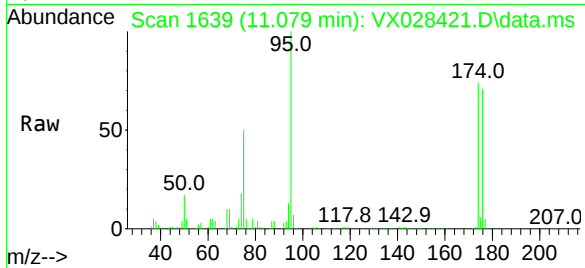




#60
4-Bromofluorobenzene
Concen: 28.164 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

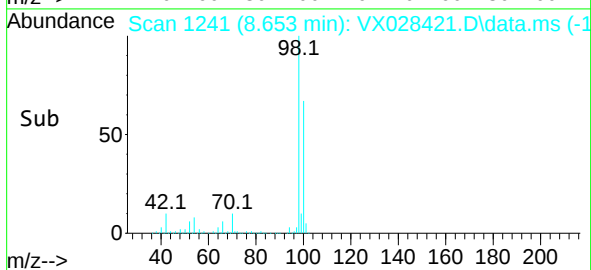
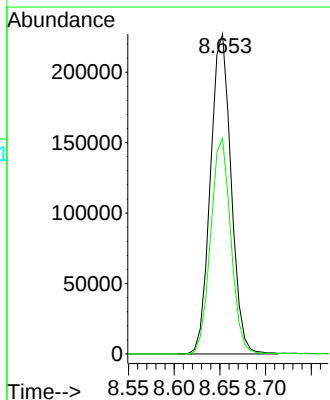
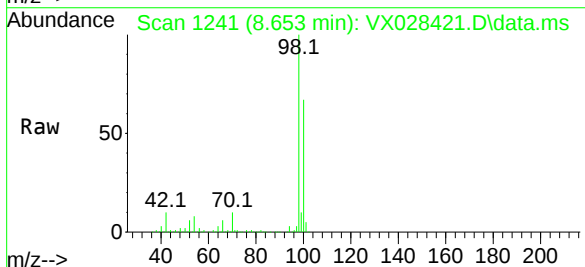
Instrument : MSVOA_X
ClientSampleId : DYCKMAN-200ST-A51515T50SBRE

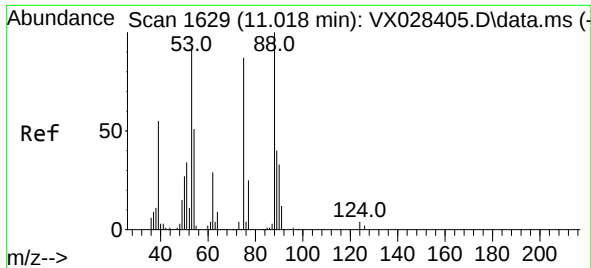
Tgt Ion: 95 Resp: 119841
Ion Ratio Lower Upper
95 100
174 82.6 65.4 98.2
176 81.1 63.4 95.0



#63
Toluene-d8
Concen: 30.837 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028421.D
Acq: 29 Apr 2022 14:16

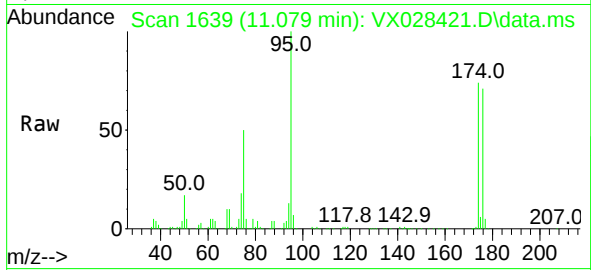
Tgt Ion: 98 Resp: 357427
Ion Ratio Lower Upper
98 100
100 66.0 51.4 77.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 44.747 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028421.D
 Acq: 29 Apr 2022 14:16

Instrument :
 MSVOA_X
 ClientSampleId :
 DYCKMAN-200ST-A51515T50SBRE



Tgt Ion: 75 Resp: 60700
 Ion Ratio Lower Upper
 75 100
 53 0.0 59.7 179.1#
 89 0.0 23.1 69.2#

