

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019089.D
 Acq On : 23 Oct 2020 20:15
 Operator : JC/SP
 Sample : L4457-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ROOSEVELT-PR-2151

Quant Time: Oct 26 04:18:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 03:21:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	40228	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	227710	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	201831	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.03	65	82148	30.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.20%
60) 4-Bromofluorobenzene	11.12	95	89909	29.68	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.93%
63) Toluene-d8	8.70	98	269978	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.00%

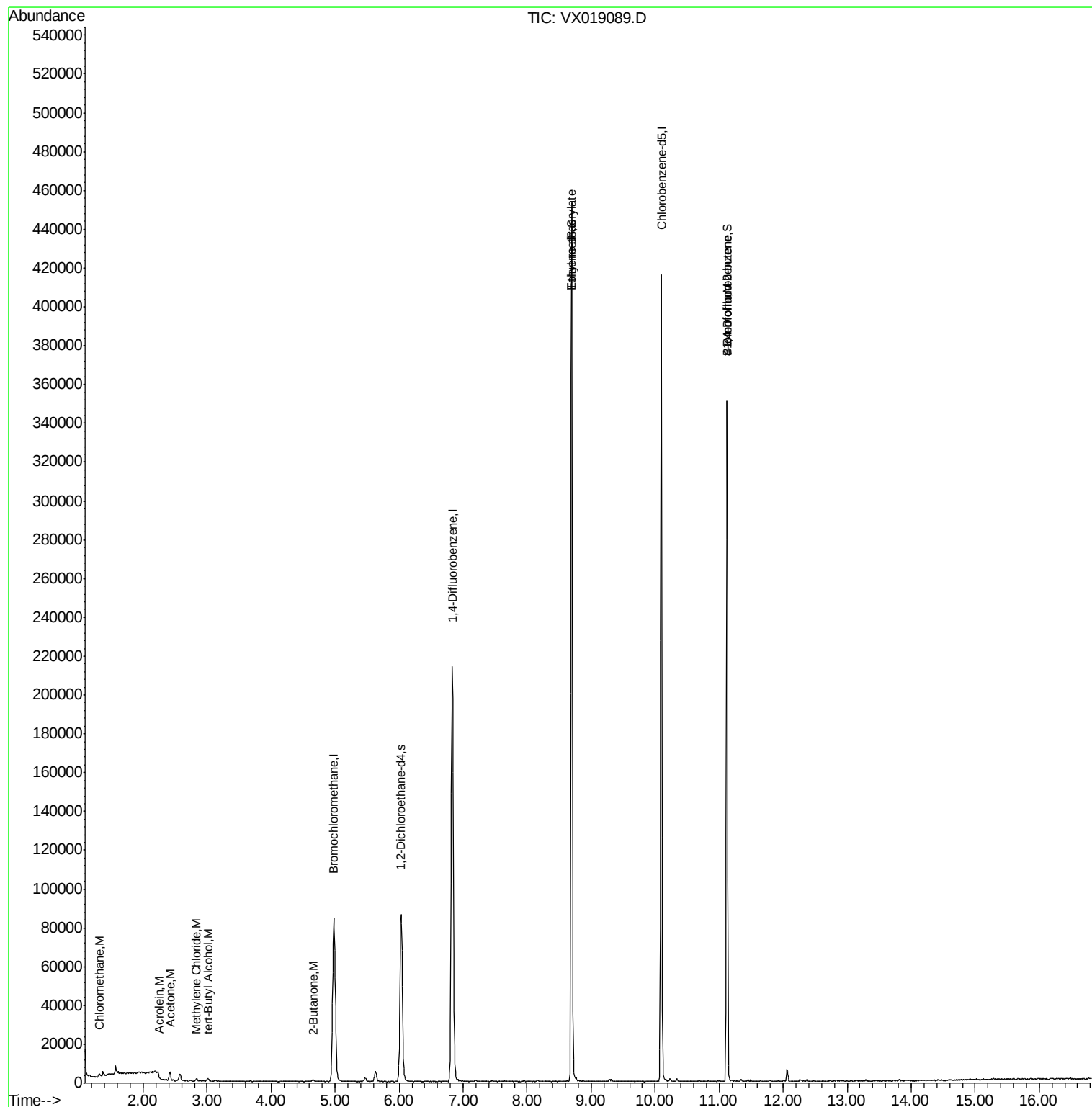
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.31	50	753	0.412	ug/l #	81
13) Acrolein	2.26	56	114	0.618	ug/l	83
15) Acetone	2.42	58	1630	6.042	ug/l	98
18) Methylene Chloride	2.83	84	573	0.248	ug/l #	95
23) tert-Butyl Alcohol	3.01	59	1682	3.684	ug/l #	100
30) 2-Butanone	4.65	43	797	0.623	ug/l #	56
51) Ethyl methacrylate	8.70	69	942	0.262	ug/l #	62
56) Bromoform	11.12	173	716	0.373	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.12	75	45662	38.939	ug/l #	16

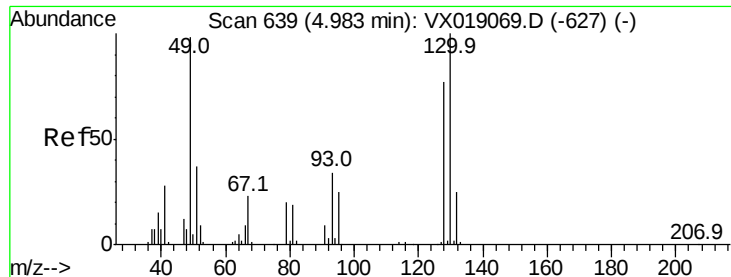
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 26 04:18:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102320W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 26 03:21:29 2020
Response via : Initial Calibration

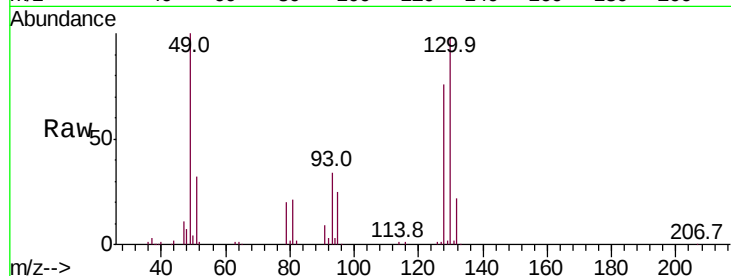




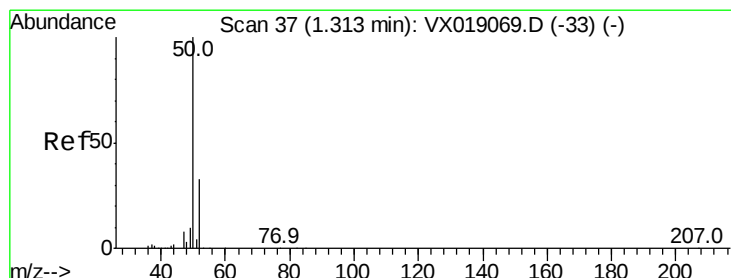
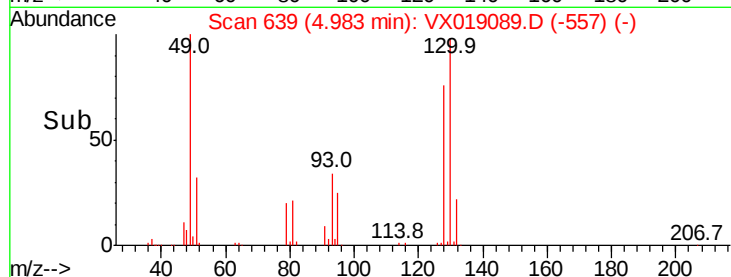
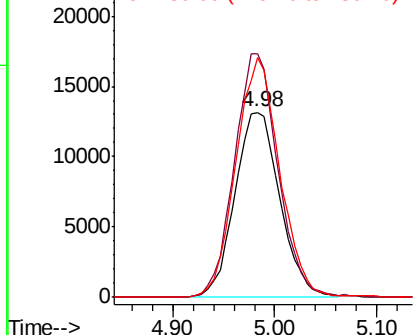
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.98 min Scan# 639
Delta R.T. -0.00 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

Instrument :
MSVOA_X
ClientSampleId :
ROOSEVELT-PR-2151

Tot Ion:128 Resp: 40228
Ion Ratio Lower Upper
128 100
49 128.1 0.0 318.8
130 126.2 0.0 321.8

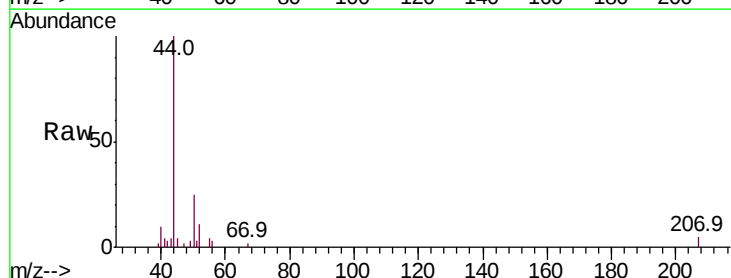


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VX0
Ion 130.00 (129.70 to 130.70): V

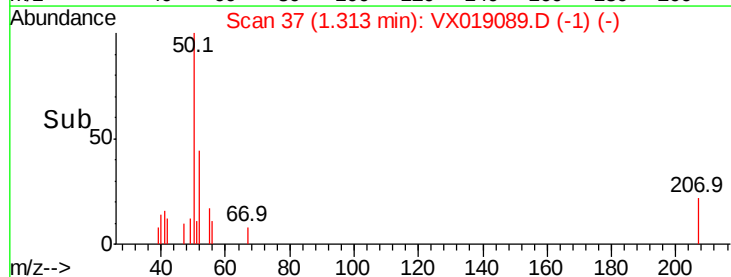
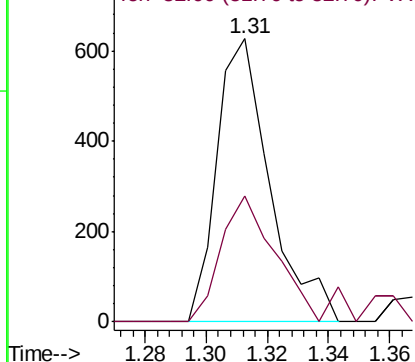


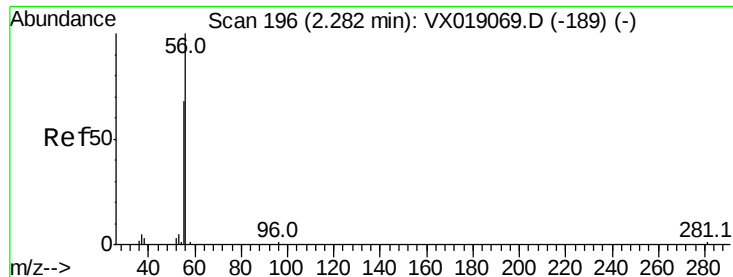
#3
Chloromethane
Concen: 0.412 ug/l
RT: 1.31 min Scan# 37
Delta R.T. -0.00 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

Tgt Ion: 50 Resp: 753
Ion Ratio Lower Upper
50 100
52 44.3 26.7 40.1#



Abundance Ion 50.00 (49.70 to 50.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#13

Acrolein

Concen: 0.618 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.02 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

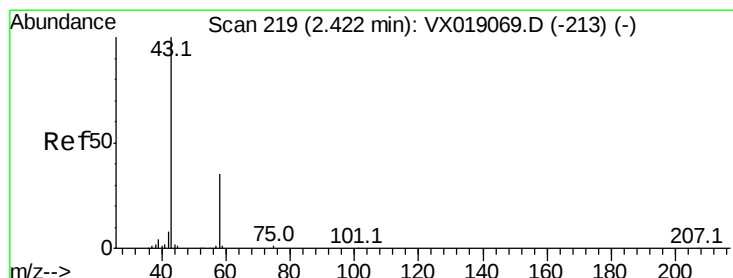
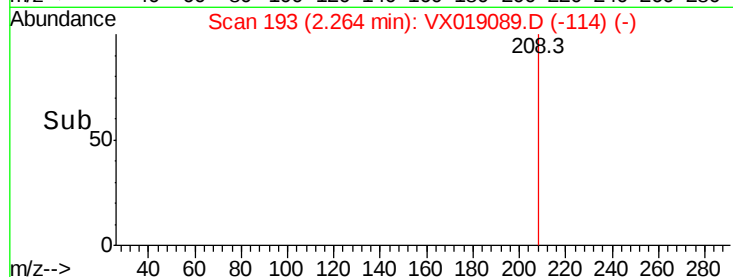
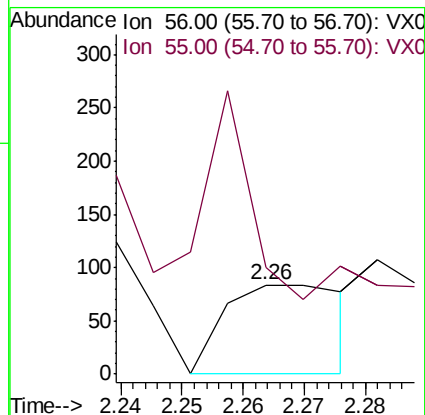
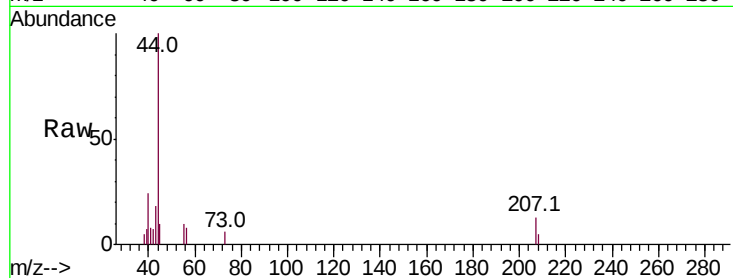
ROOSEVELT-PR-2151

Tot Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 86.8 58.2 87.2



#15

Acetone

Concen: 6.042 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019089.D

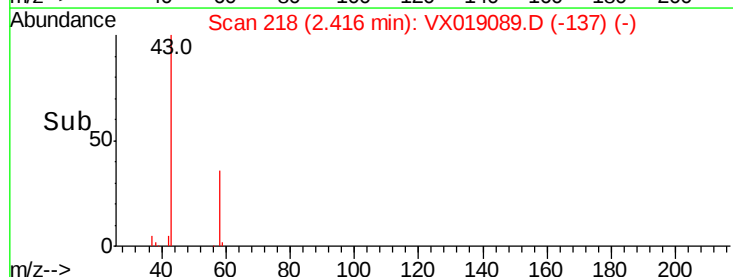
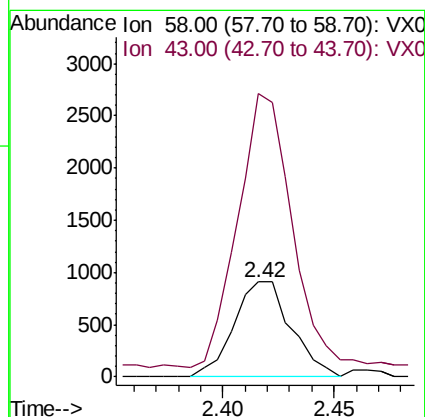
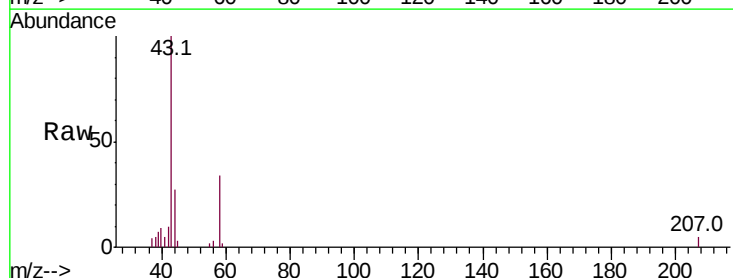
Acq: 23 Oct 2020 20:15

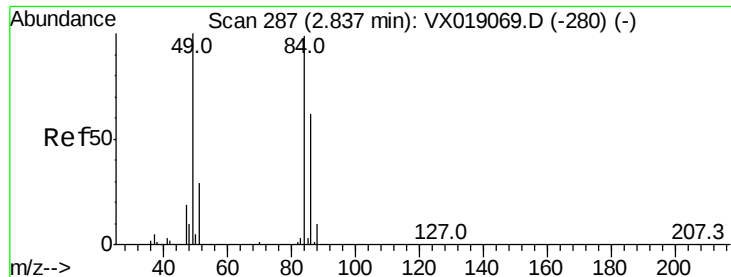
Tgt Ion: 58 Resp: 1630

Ion Ratio Lower Upper

58 100

43 286.9 226.7 340.1

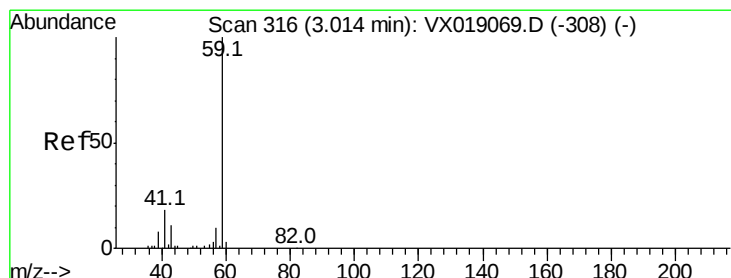
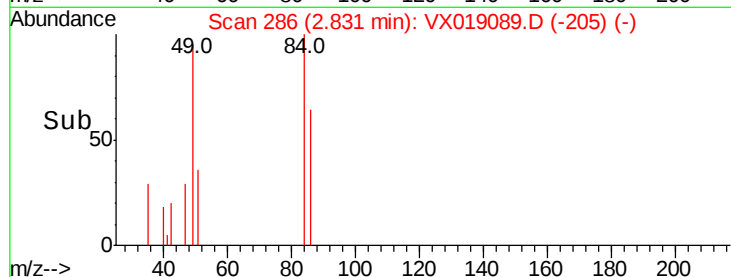
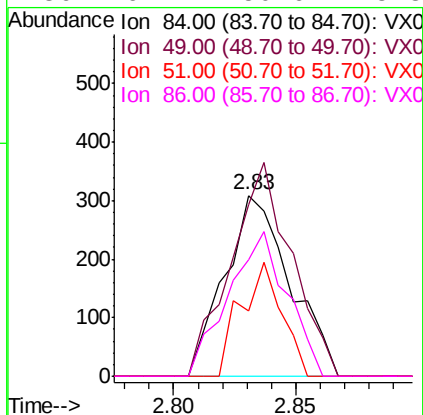
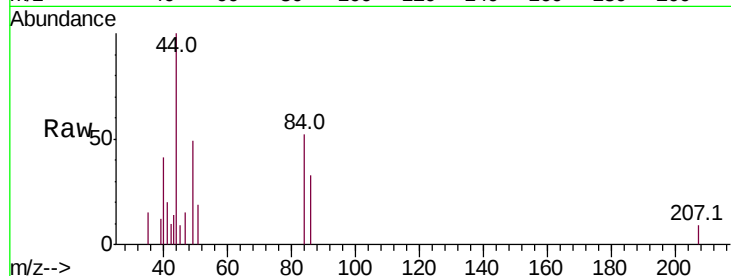




#18
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

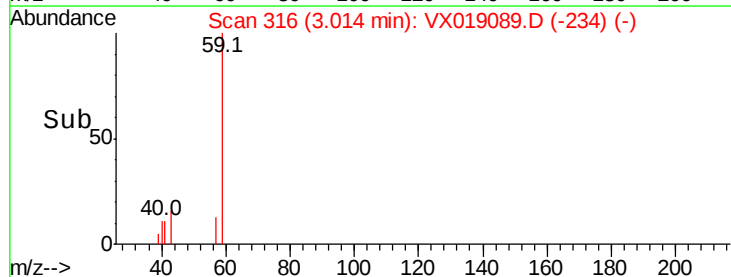
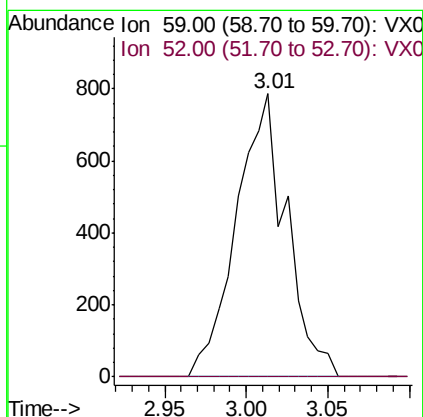
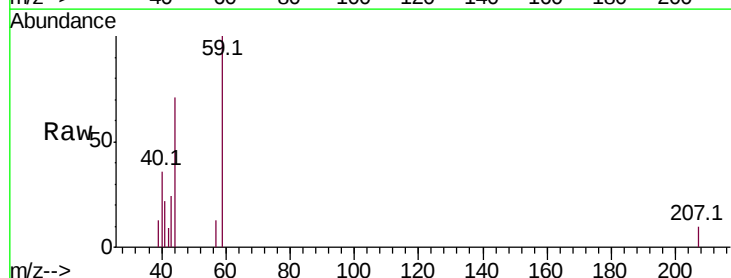
Instrument :
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ROOSEVELT-PR-2151

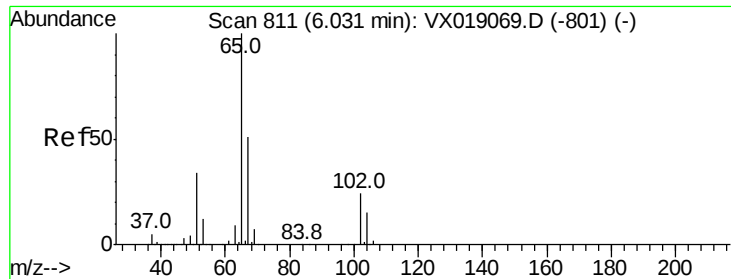
Tot Ion: 84 Resp: 573
Ion Ratio Lower Upper
84 100
49 95.1 80.9 121.3
51 36.2 23.8 35.6#
86 64.4 50.6 75.8



#23
tert-Butyl Alcohol
Concen: 3.684 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

Tgt Ion: 59 Resp: 1682
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4#





#27

1,2-Dichloroethane-d4

Concen: 30.658 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

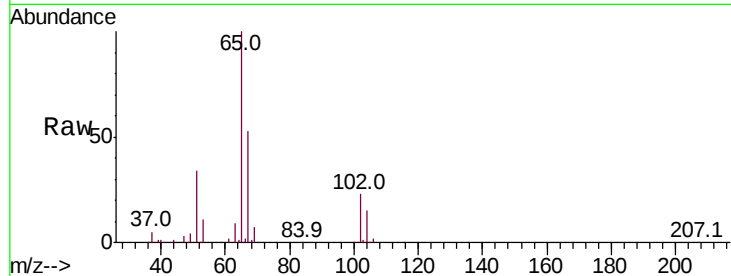
ROOSEVELT-PR-2151

Tot Ion: 65 Resp: 82148

Ion Ratio Lower Upper

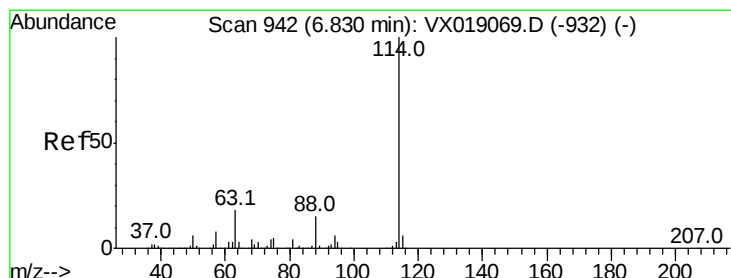
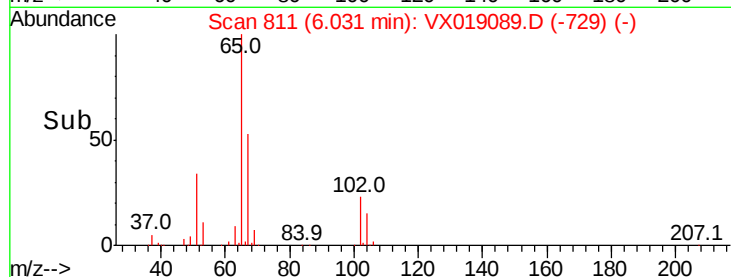
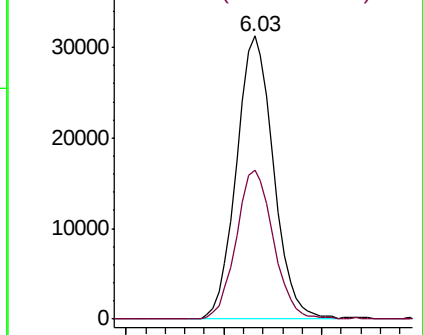
65 100

67 52.6 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

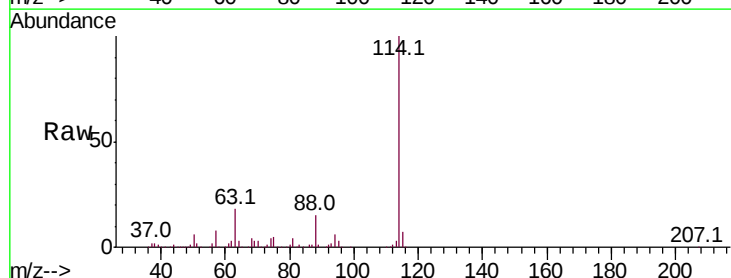
Tgt Ion: 114 Resp: 227710

Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

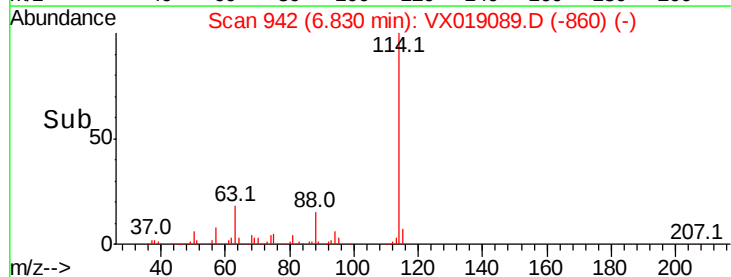
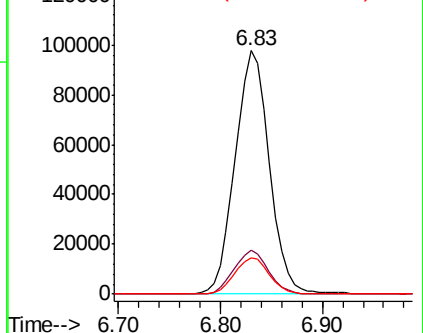
88 15.1 12.2 18.2

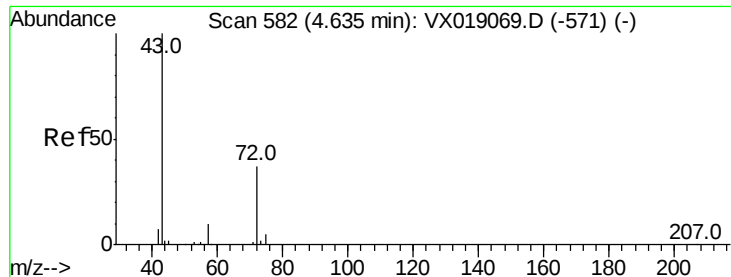


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

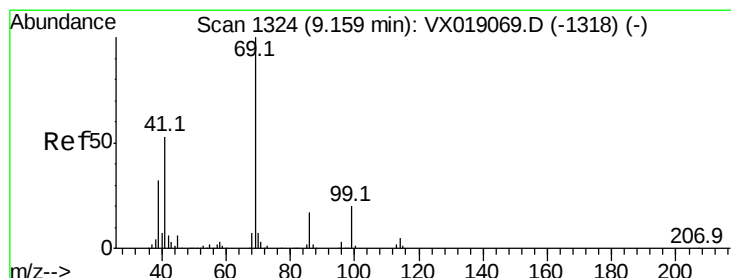
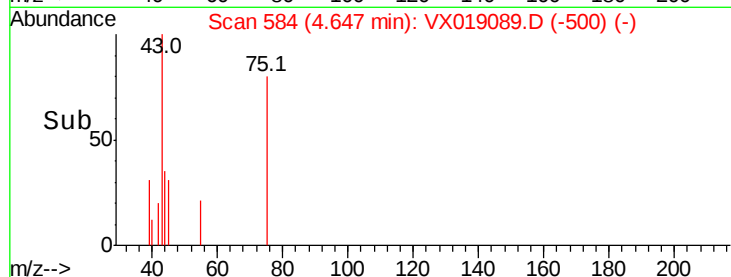
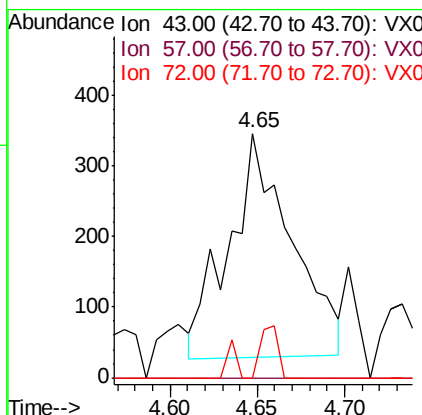
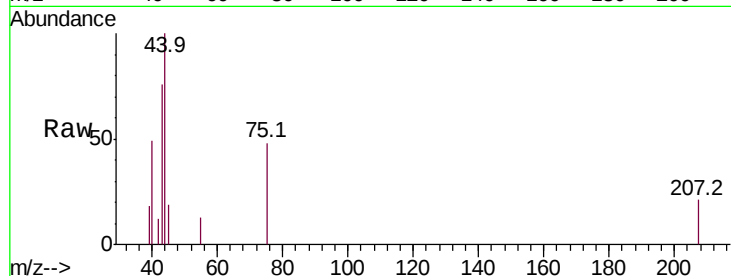




#30
2-Butanone
Concen: 0.623 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

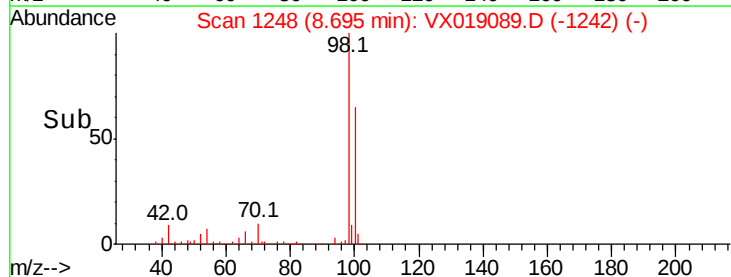
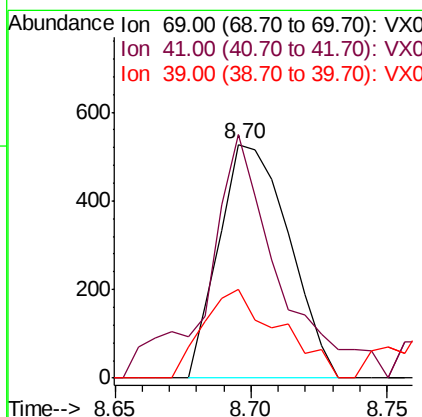
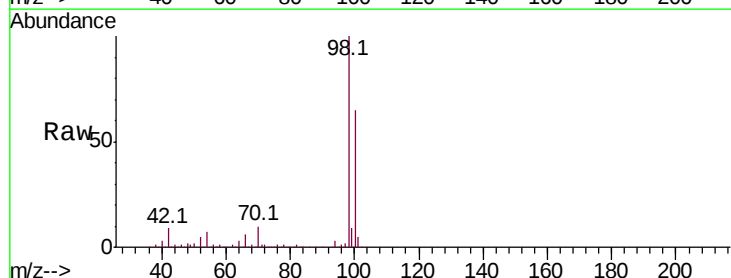
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ROOSEVELT-PR-2151

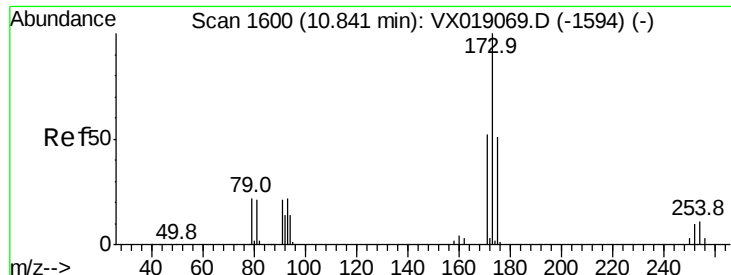
Tot Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
57 0.0 7.8 11.6#
72 6.5 28.1 42.1#



#51
Ethyl methacrylate
Concen: 0.262 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.46 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

Tgt Ion: 69 Resp: 942
Ion Ratio Lower Upper
69 100
41 92.0 26.5 79.4#
39 38.1 16.2 48.6





#56

Bromoform

Concen: 0.373 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.28 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

Instrument :

MSVOA_X

ClientSampleId :

ROOSEVELT-PR-2151

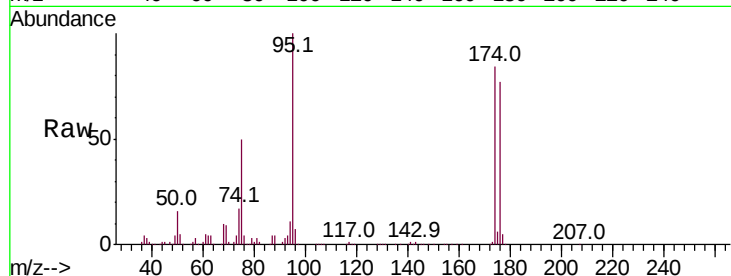
Tot Ion:173 Resp: 716

Ion Ratio Lower Upper

173 100

175 764.2 39.6 59.4#

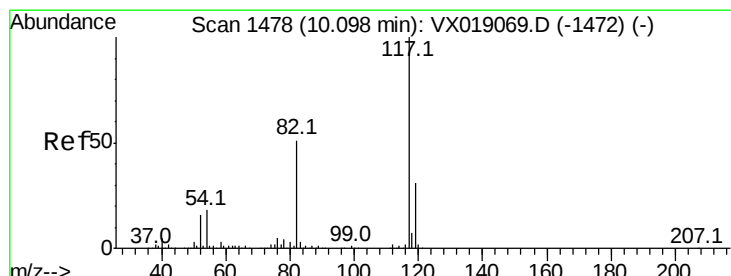
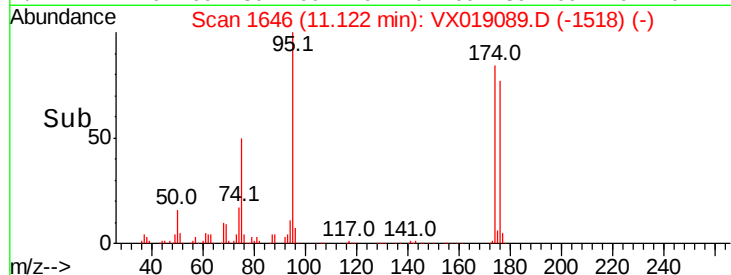
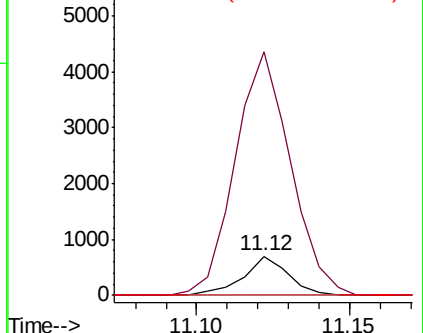
254 0.0 8.6 13.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

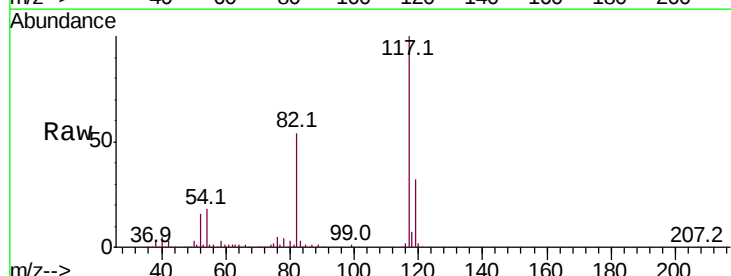
Tgt Ion:117 Resp: 201831

Ion Ratio Lower Upper

117 100

82 54.3 42.5 63.7

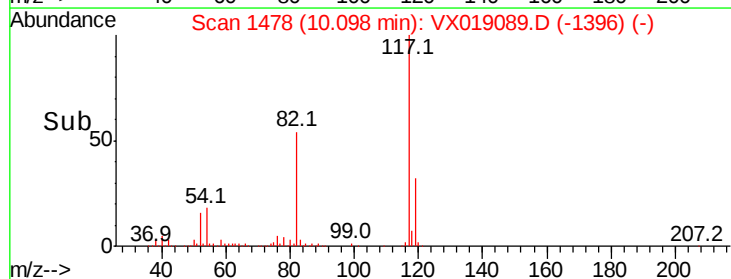
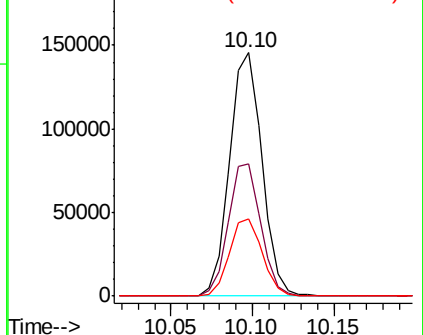
119 32.1 25.6 38.4

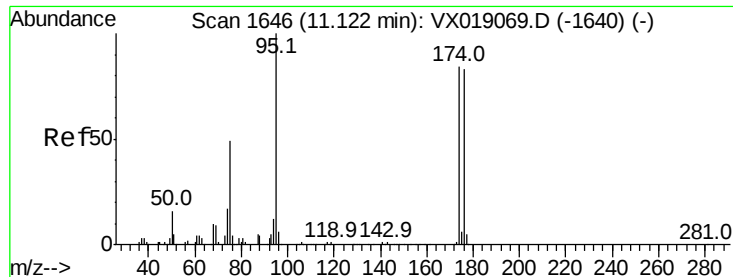


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 29.680 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019089.D

Acq: 23 Oct 2020 20:15

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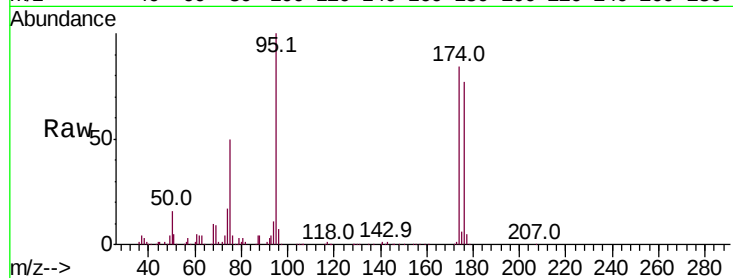
Tot Ion: 95 Resp: 89909

Ion Ratio Lower Upper

95 100

174 83.6 66.3 99.5

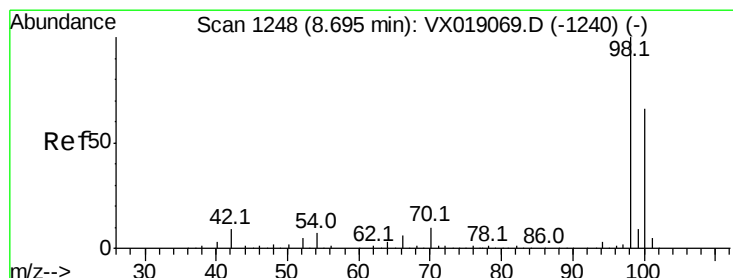
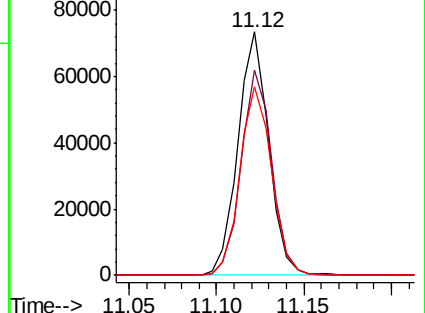
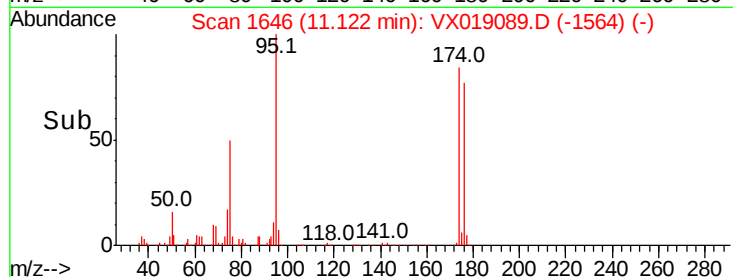
176 79.5 65.5 98.3



Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Toluene-d8

Concen: 30.297 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019089.D

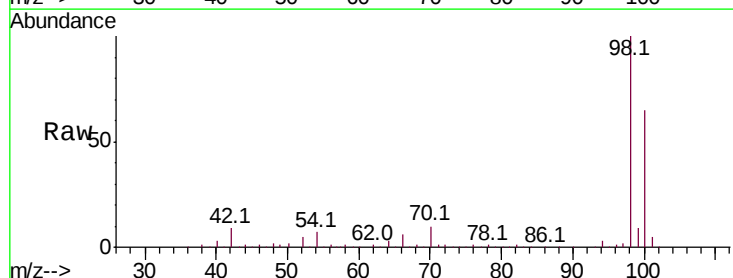
Acq: 23 Oct 2020 20:15

Tgt Ion: 98 Resp: 269978

Ion Ratio Lower Upper

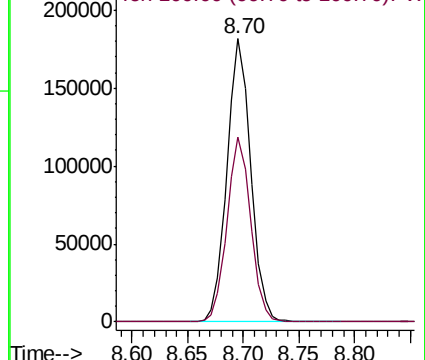
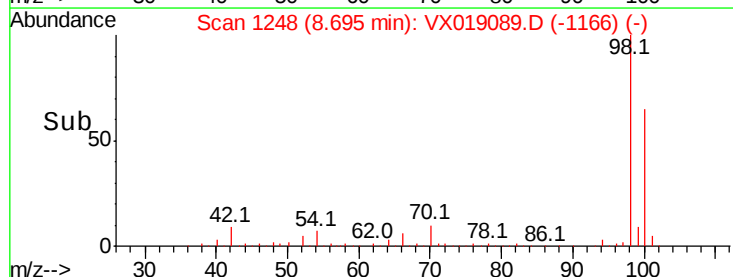
98 100

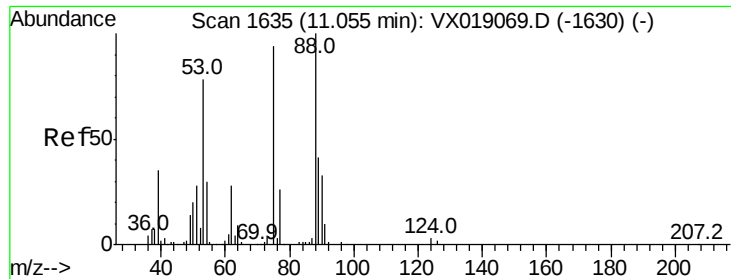
100 64.8 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#77
t-1,4-Dichloro-2-butene
Concen: 38.939 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.07 min
Lab File: VX019089.D
Acq: 23 Oct 2020 20:15

Instrument :
MSVOA_X
ClientSampleId :
ROOSEVELT-PR-2151

Tot Ion: 75 Resp: 45662
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.8#
89 0.0 21.8 65.3#

