

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102320\
 Data File : VX019085.D
 Acq On : 23 Oct 2020 18:45
 Operator : JC/SP
 Sample : L4473-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-020-IDW/GW-20201019

Quant Time: Oct 26 04:17:41 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	44863	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	245159	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	217855	30.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane-d4		6.03	65	89912	30.09	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.30%	
60) 4-Bromofluorobenzene		11.12	95	96714	29.58	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.60%	
63) Toluene-d8		8.70	98	290339	30.18	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.60%	

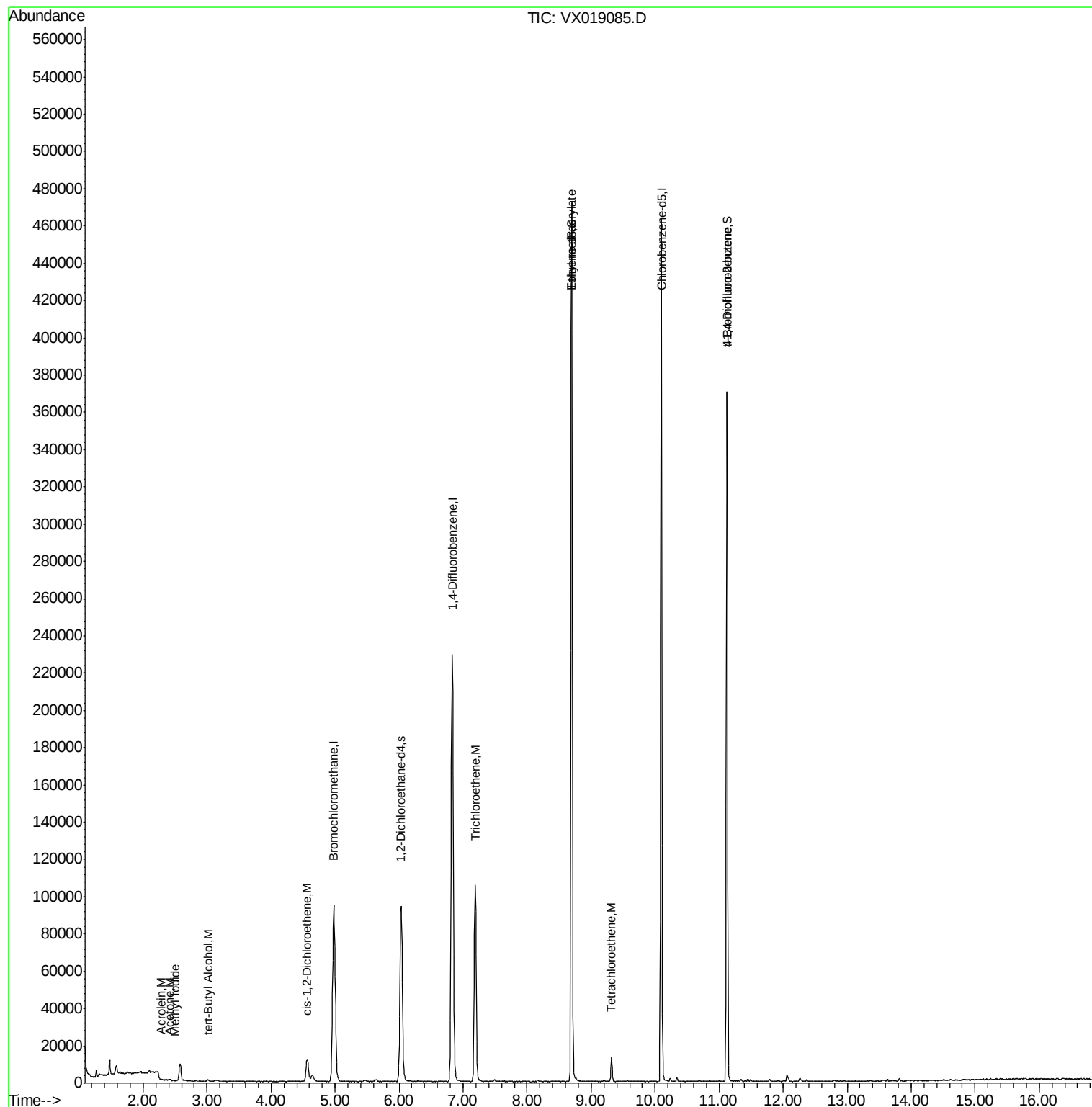
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
11) Methyl Iodide	2.50	142	114	7.381	ug/l #	39
13) Acrolein	2.27	56	52	0.253	ug/l	84
15) Acetone	2.41	58	83	0.276	ug/l #	1
22) cis-1,2-Dichloroethene	4.56	96	8108	2.654	ug/l	93
23) tert-Butyl Alcohol	3.01	59	1041	2.044	ug/l #	100
37) Trichloroethene	7.19	130	41760	14.277	ug/l	100
51) Ethyl methacrylate	8.70	69	972	0.251	ug/l	91
61) Tetrachloroethene	9.32	164	2471	0.956	ug/l	92
77) t-1,4-Dichloro-2-butene	11.12	75	48169	38.056	ug/l #	16

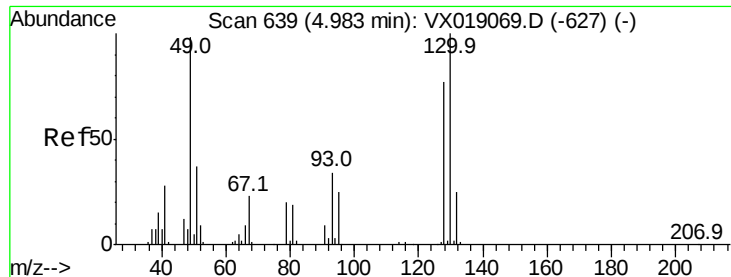
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102320\
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TT-020-IDW/GW-20201019

Quant Time: Oct 26 04:17:41 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: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

TT-020-IDW/GW-20201019

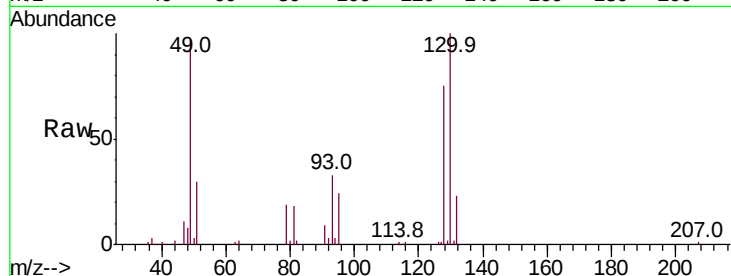
Tot Ion:128 Resp: 44863

Ion Ratio Lower Upper

128 100

49 127.1 0.0 318.8

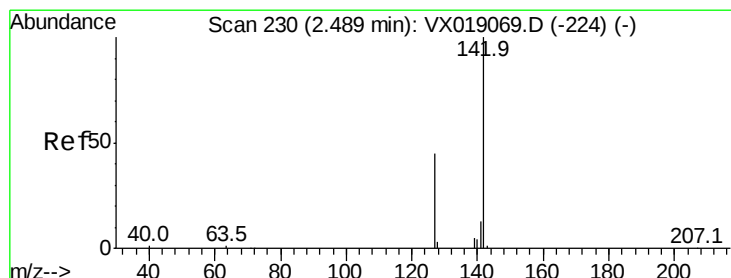
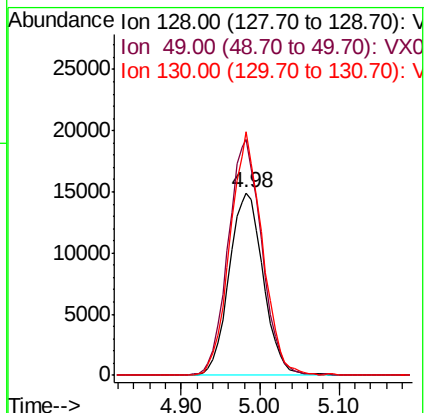
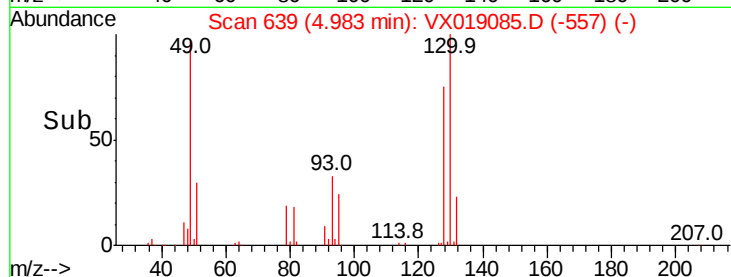
130 125.9 0.0 321.8



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



#11

Methyl Iodide

Concen: 7.381 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

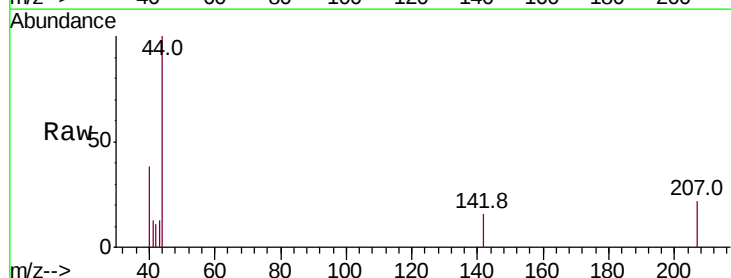
Tgt Ion:142 Resp: 114

Ion Ratio Lower Upper

142 100

127 0.0 22.6 67.7#

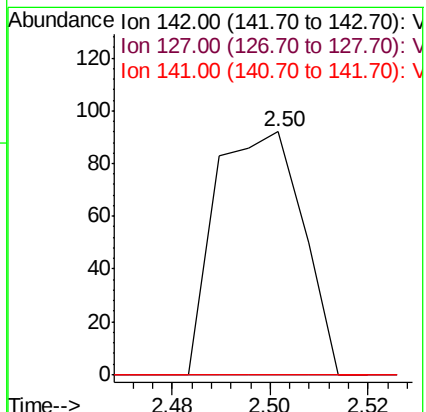
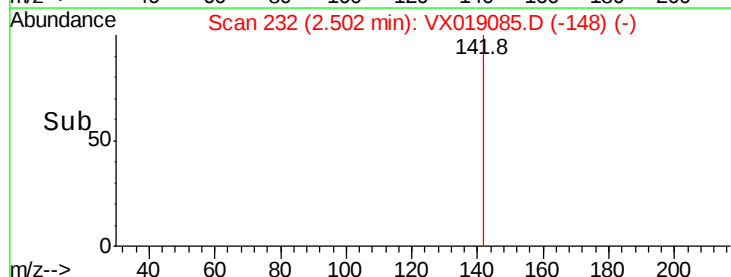
141 0.0 6.3 19.1#

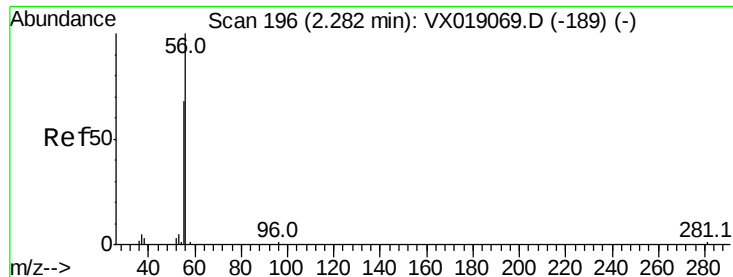


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#13

Acrolein

Concen: 0.253 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

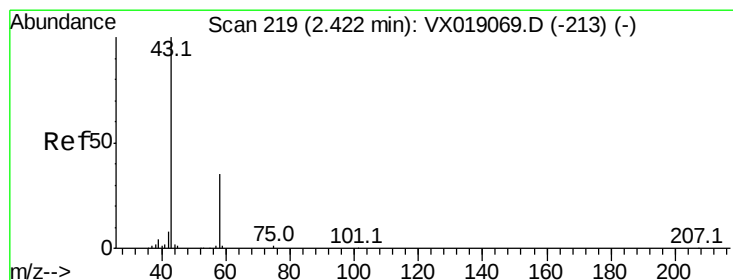
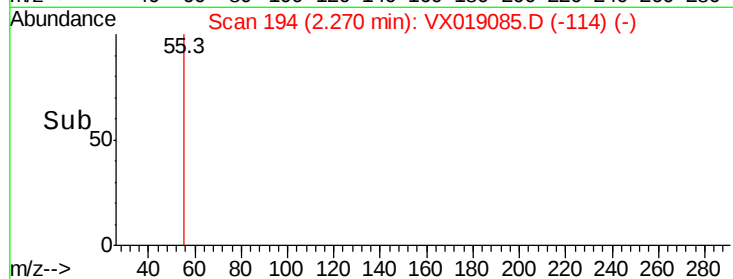
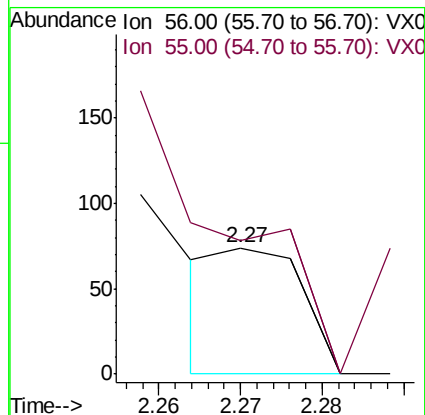
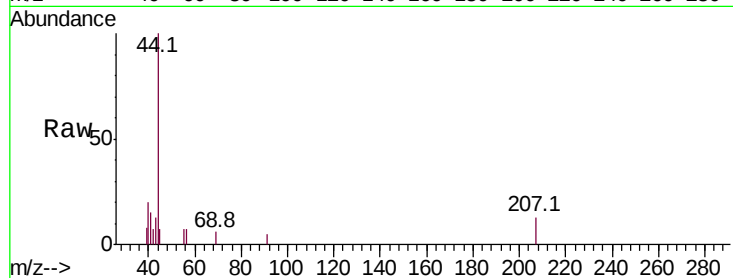
TT-020-IDW/GW-20201019

Tot Ion: 56 Resp: 52

Ion Ratio Lower Upper

56 100

55 59.6 58.2 87.2



#15

Acetone

Concen: 0.276 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX019085.D

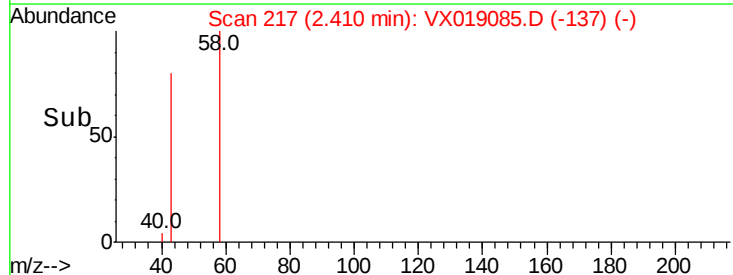
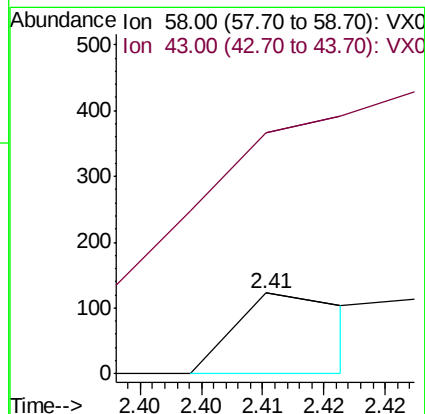
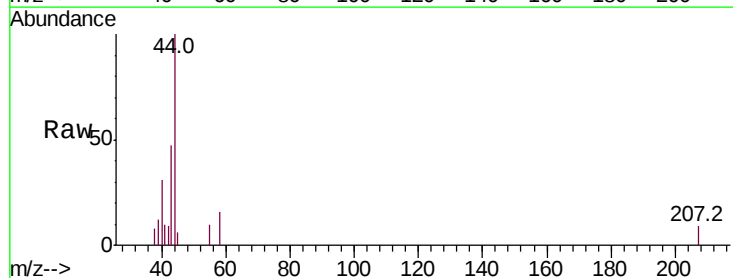
Acq: 23 Oct 2020 18:45

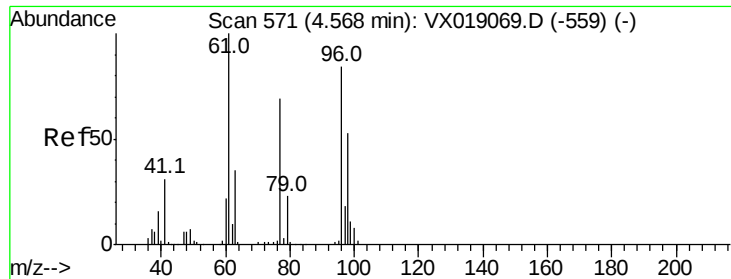
Tgt Ion: 58 Resp: 83

Ion Ratio Lower Upper

58 100

43 96.7 226.7 340.1#



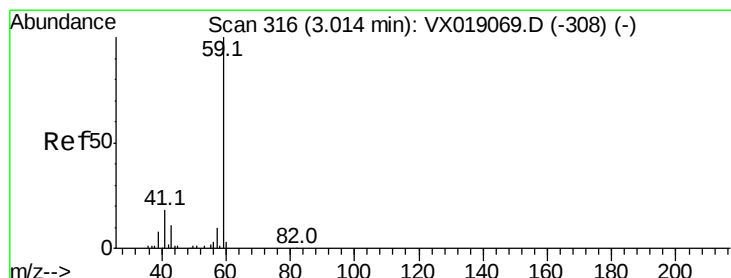
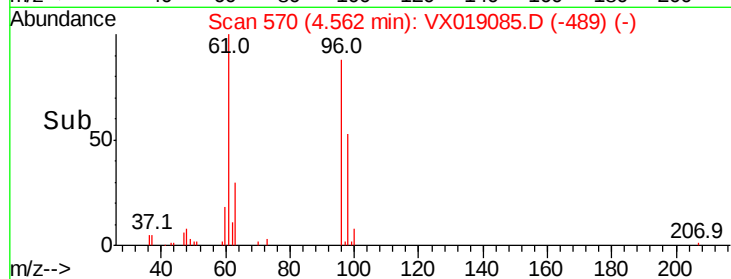
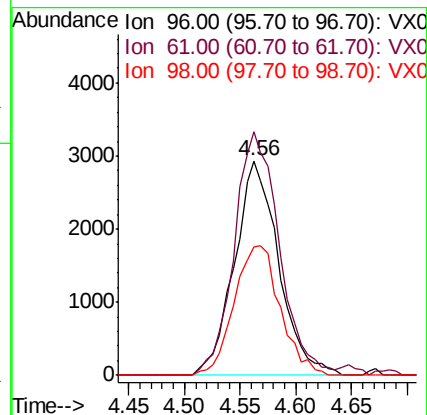
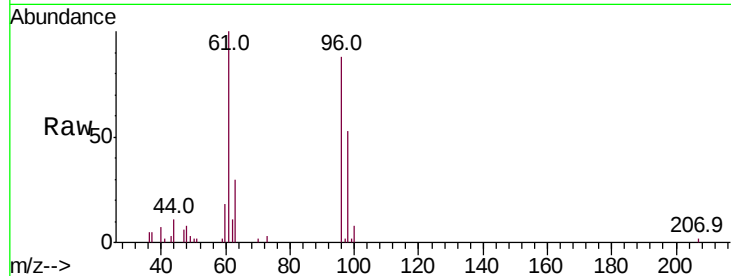


#22

cis-1,2-Dichloroethene
 Concen: 2.654 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.01 min
 Lab File: VX019085.D
 Acq: 23 Oct 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-020-IDW/GW-20201019

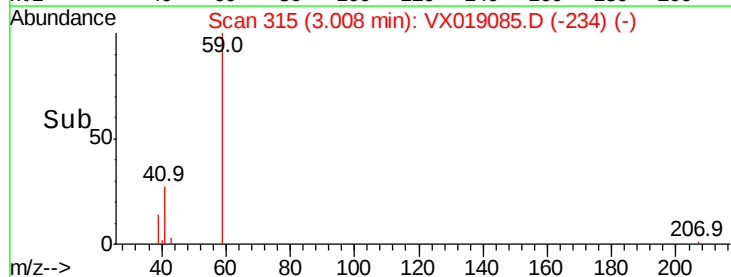
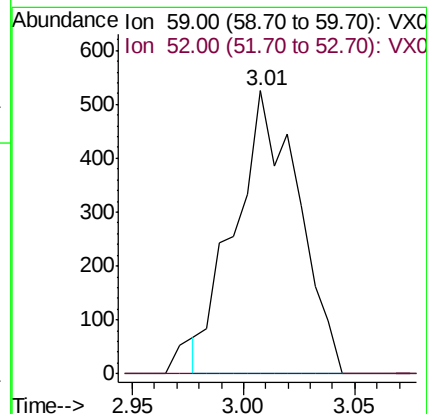
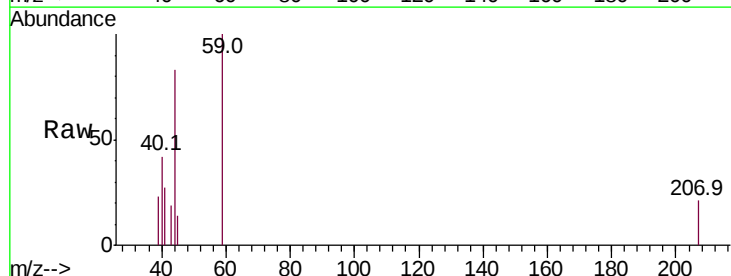
Tot Ion: 96 Resp: 8108
 Ion Ratio Lower Upper
 96 100
 61 115.5 101.9 152.9
 98 62.7 51.3 76.9

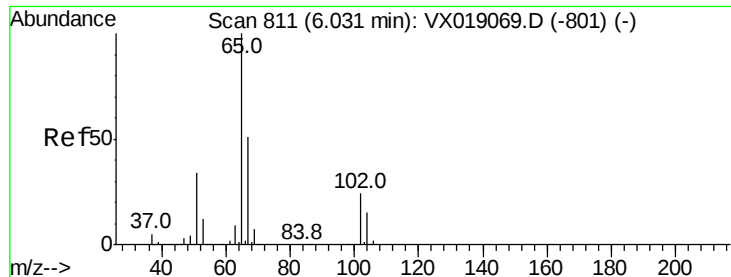


#23

tert-Butyl Alcohol
 Concen: 2.044 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX019085.D
 Acq: 23 Oct 2020 18:45

Tgt Ion: 59 Resp: 1041
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.4#





#27

1,2-Dichloroethane-d4

Concen: 30.089 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

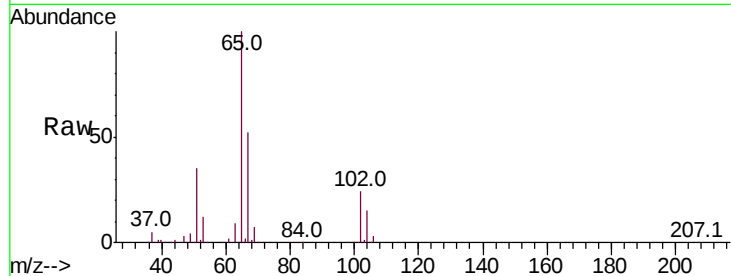
TT-020-IDW/GW-20201019

Tot Ion: 65 Resp: 89912

Ion Ratio Lower Upper

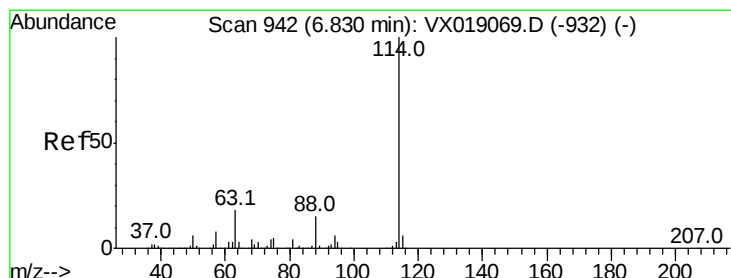
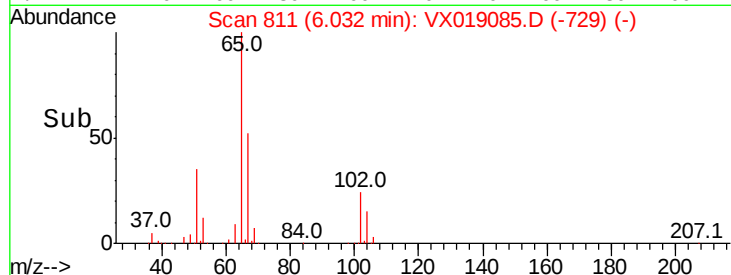
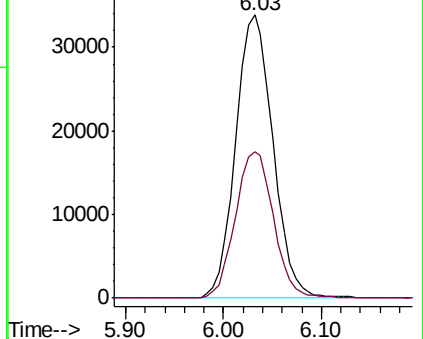
65 100

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: VX019085.D

Acq: 23 Oct 2020 18:45

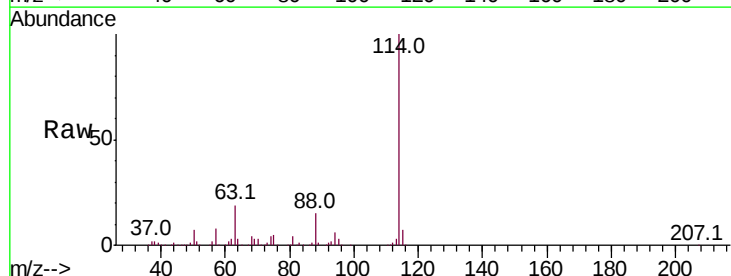
Tgt Ion: 114 Resp: 245159

Ion Ratio Lower Upper

114 100

63 18.3 14.6 21.8

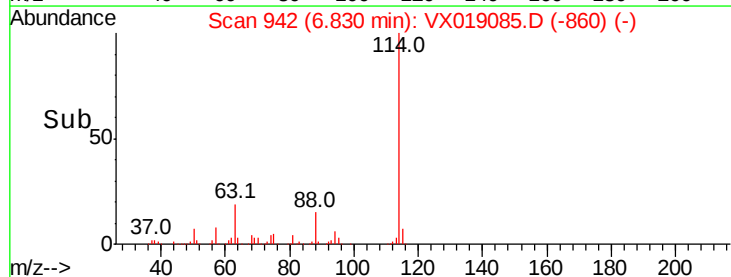
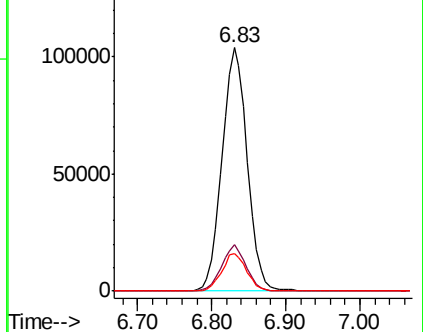
88 15.1 12.2 18.2

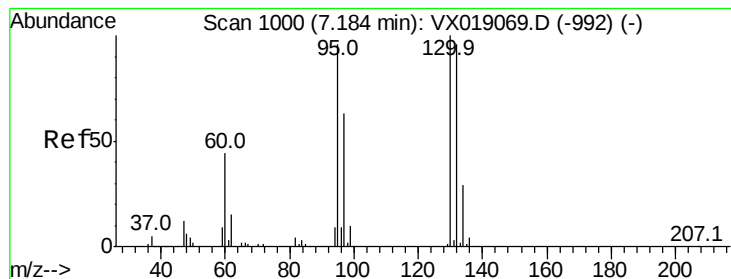


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#37

Trichloroethene

Concen: 14.277 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

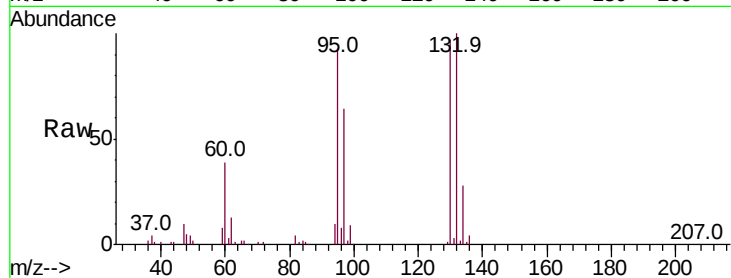
TT-020-IDW/GW-20201019

Tot Ion:130 Resp: 41760

Ion Ratio Lower Upper

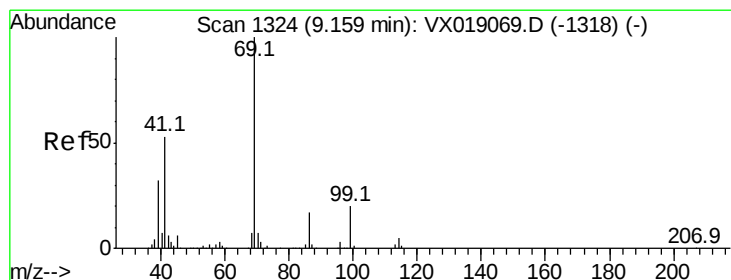
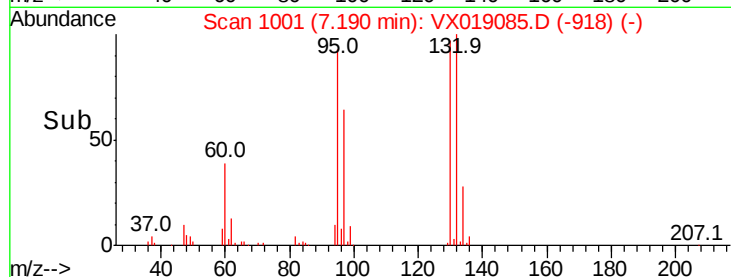
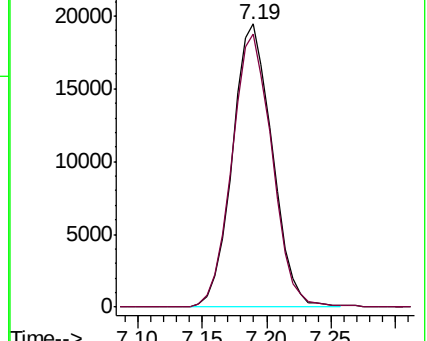
130 100

95 96.3 76.8 115.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0



#51

Ethyl methacrylate

Concen: 0.251 ug/l

RT: 8.70 min Scan# 1249

Delta R.T. -0.46 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

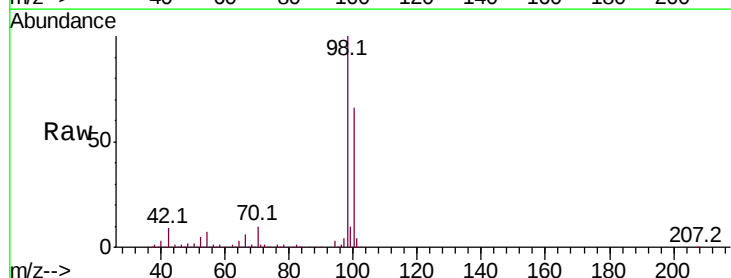
Tgt Ion: 69 Resp: 972

Ion Ratio Lower Upper

69 100

41 56.5 26.5 79.4

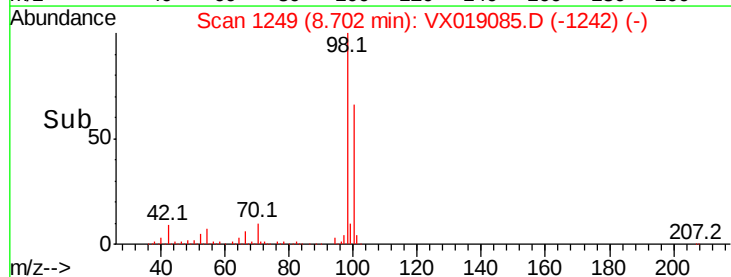
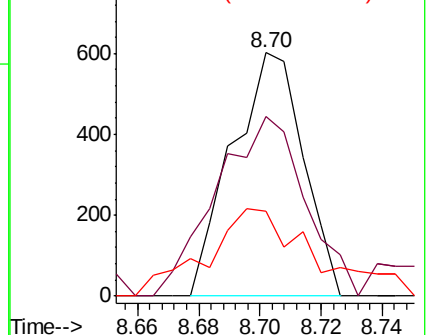
39 23.3 16.2 48.6

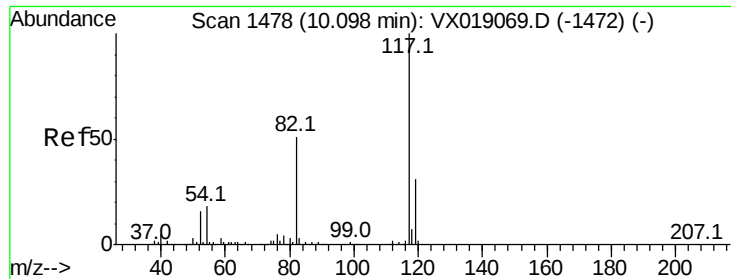


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

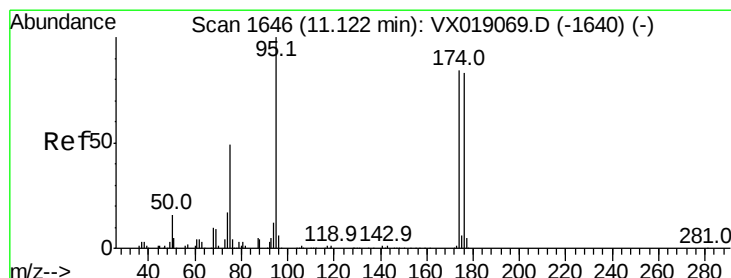
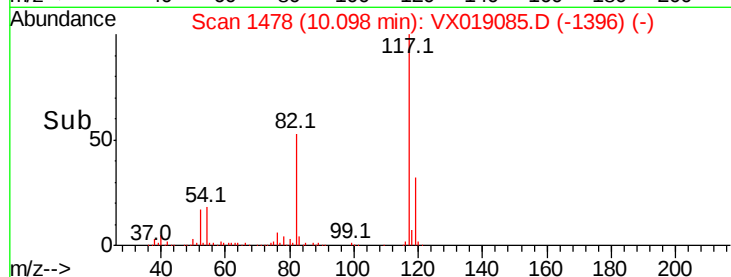
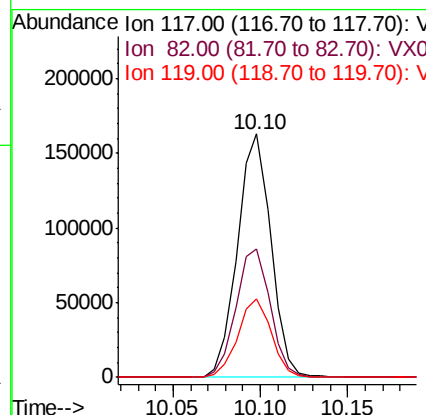
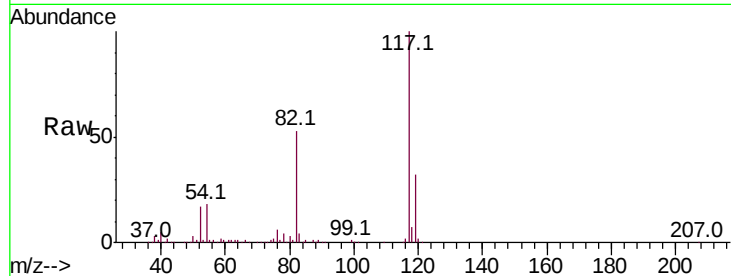




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX019085.D
Acq: 23 Oct 2020 18:45

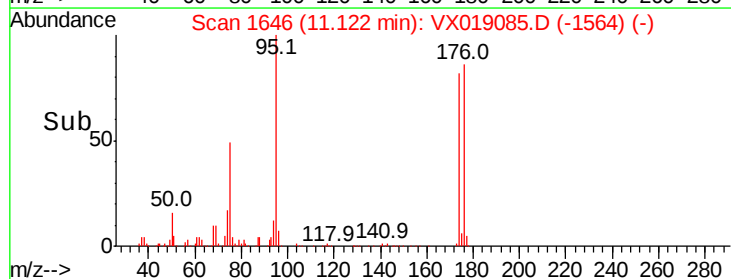
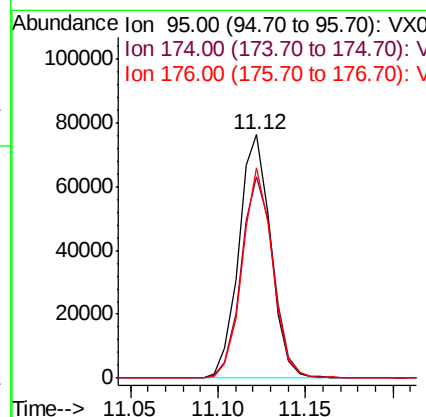
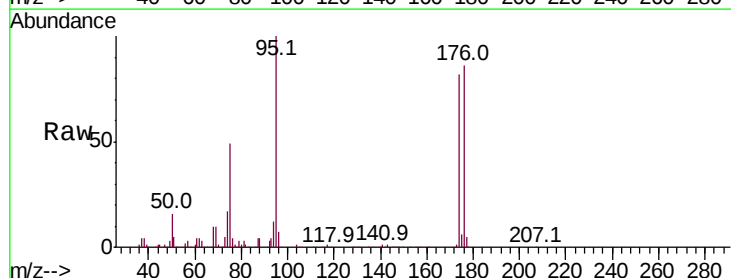
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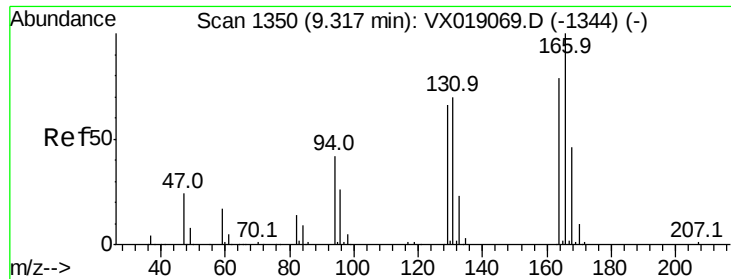
Tot Ion:117 Resp: 217855
Ion Ratio Lower Upper
117 100
82 54.0 42.5 63.7
119 32.2 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 29.578 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019085.D
Acq: 23 Oct 2020 18:45

Tgt Ion: 95 Resp: 96714
Ion Ratio Lower Upper
95 100
174 83.6 66.3 99.5
176 81.8 65.5 98.3





#61

Tetrachloroethene

Concen: 0.956 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VX019085.D

Acq: 23 Oct 2020 18:45

Instrument :

MSVOA_X

ClientSampleId :

TT-020-IDW/GW-20201019

Tot Ion:164 Resp: 2471

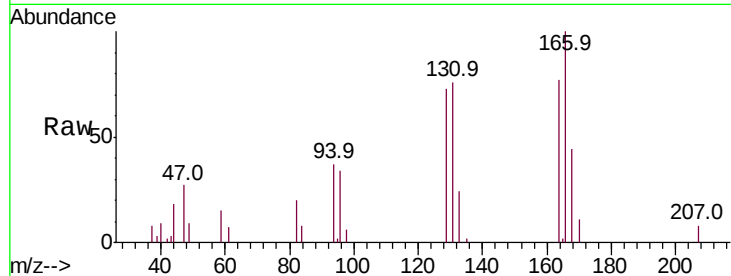
Ion Ratio Lower Upper

164 100

166 130.0 101.9 152.9

129 95.4 67.0 100.6

131 99.1 71.1 106.7

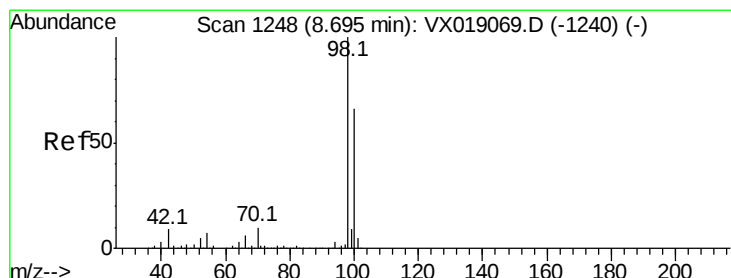
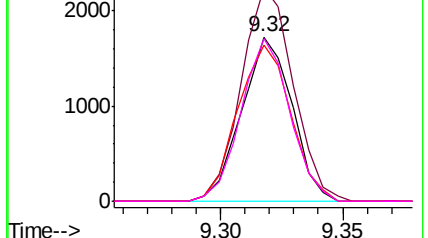
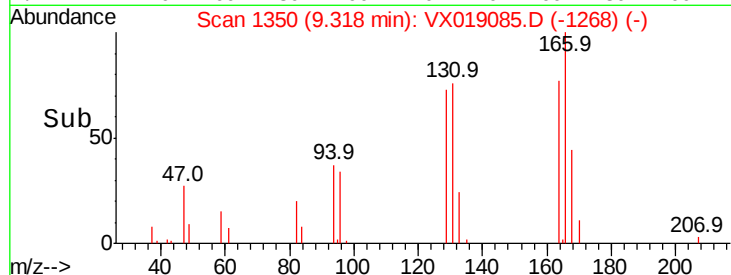


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: 30.185 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019085.D

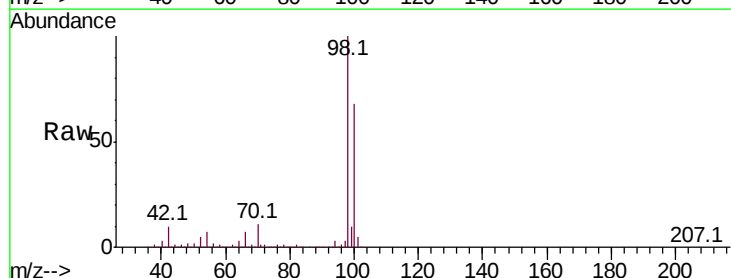
Acq: 23 Oct 2020 18:45

Tgt Ion: 98 Resp: 290339

Ion Ratio Lower Upper

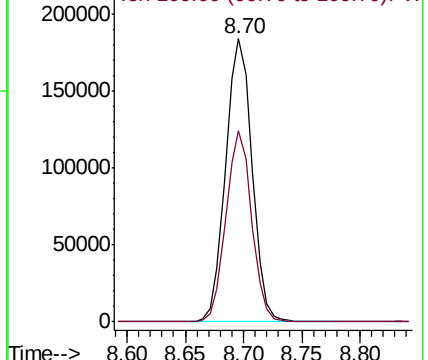
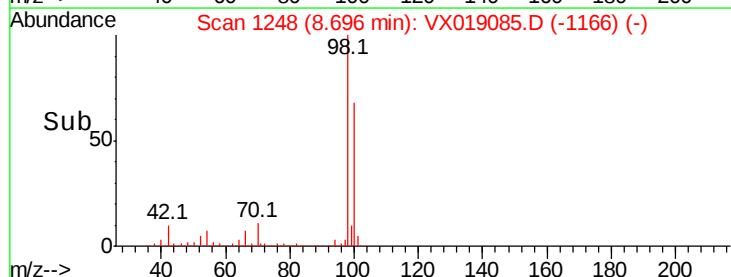
98 100

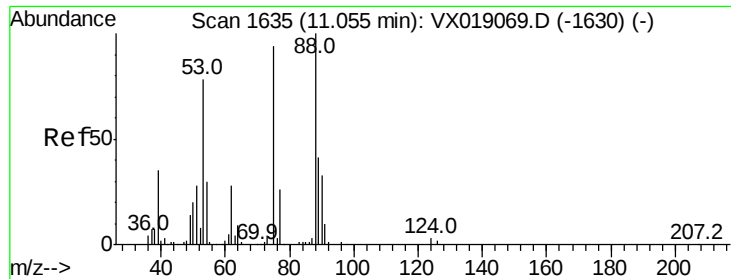
100 65.6 52.2 78.4



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: 38.056 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019085.D
 Acq: 23 Oct 2020 18:45

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-020-IDW/GW-20201019

Tot Ion: 75 Resp: 48169
 Ion Ratio Lower Upper
 75 100
 53 0.0 41.6 124.8#
 89 0.0 21.8 65.3#

