

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100620\NOT REVIEWED DATA\
 Data File : VN063895.D
 Acq On : 6 Oct 2020 15:37
 Operator : JC/MD
 Sample : L4234-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-29

Quant Time: Oct 06 18:28:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	266517	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	245601	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	139672	30.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.77%
60) 4-Bromofluorobenzene	12.38	95	106686	25.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.67%
63) Toluene-d8	10.06	98	332442	29.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.57%

Target Compounds

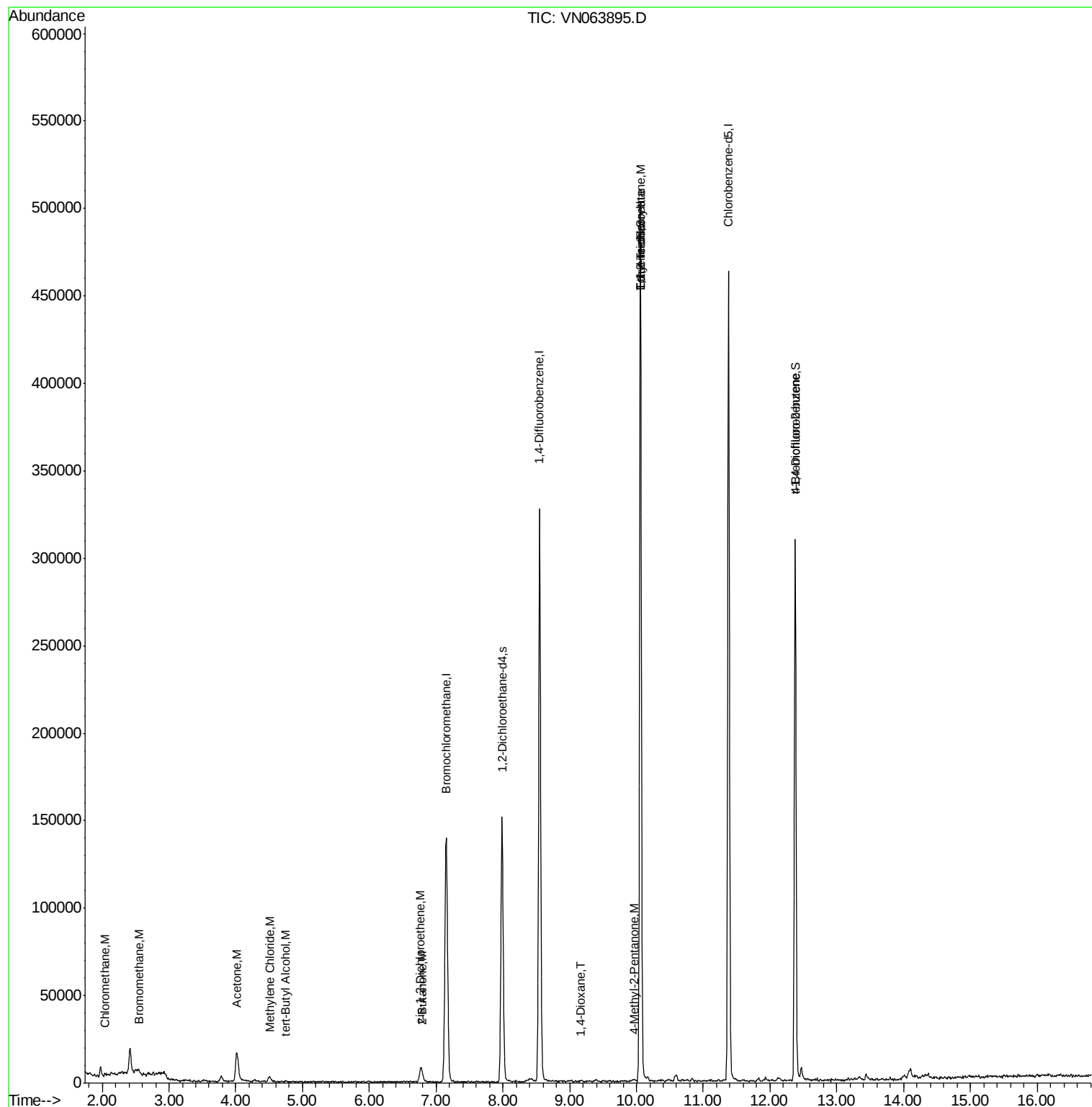
					Qvalue	
3) Chloromethane	2.04	50	1567	0.444	ug/l #	87
5) Bromomethane	2.55	94	657	0.290	ug/l	82
15) Acetone	4.01	58	217	0.547	ug/l #	66
18) Methylene Chloride	4.50	84	2183	0.673	ug/l #	75
22) cis-1,2-Dichloroethene	6.78	96	1188	0.342	ug/l #	29
23) tert-Butyl Alcohol	4.75	59	185	0.315	ug/l #	100
30) 2-Butanone	6.79	43	482	0.211	ug/l #	55
45) 1,4-Dioxane	9.17	88	108	2.073	ug/l #	29
50) 1,1,2-Trichloroethane	10.06	97	11914	3.543	ug/l #	1
51) Ethyl methacrylate	10.06	69	1328	0.272	ug/l #	26
58) 4-Methyl-2-Pentanone	9.96	43	1150	0.241	ug/l #	69
77) t-1,4-Dichloro-2-butene	12.38	75	61397	36.725	ug/l #	12

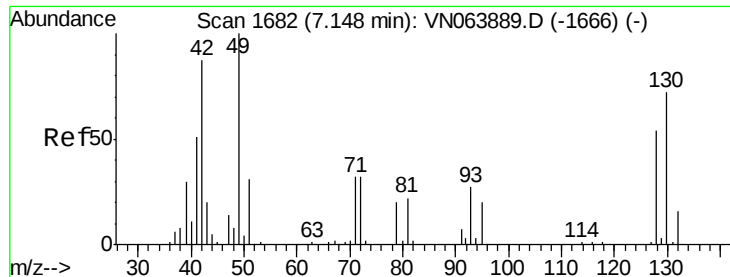
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 06 18:28:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

Instrument :

MSVOA_N

ClientSampled :

55-ST-29

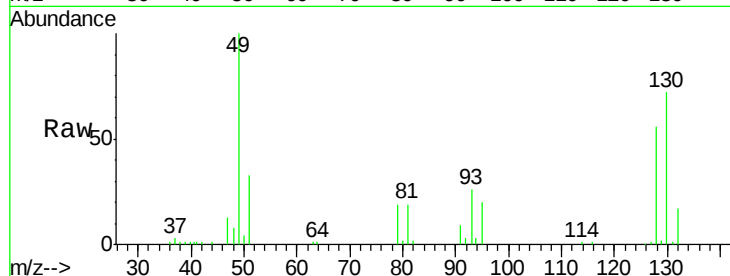
Tgt Ion:128 Resp: 50439

Ion Ratio Lower Upper

128 100

49 184.8 0.0 437.5

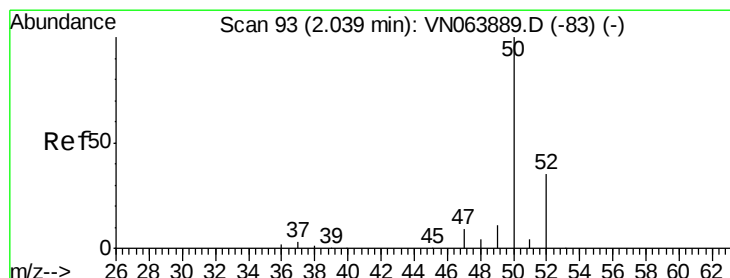
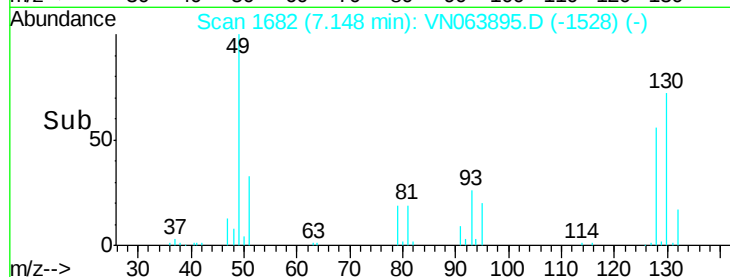
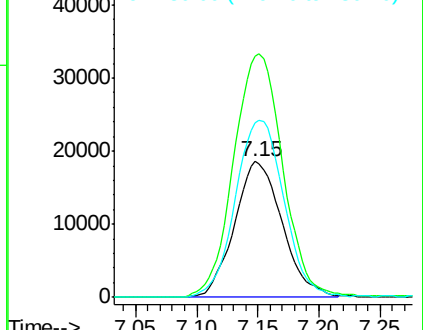
130 132.7 0.0 327.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.444 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063895.D

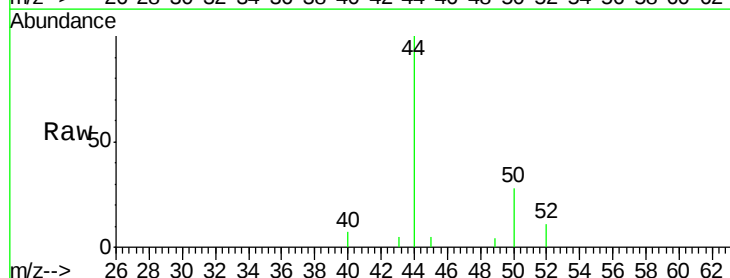
Acq: 6 Oct 2020 15:37

Tgt Ion: 50 Resp: 1567

Ion Ratio Lower Upper

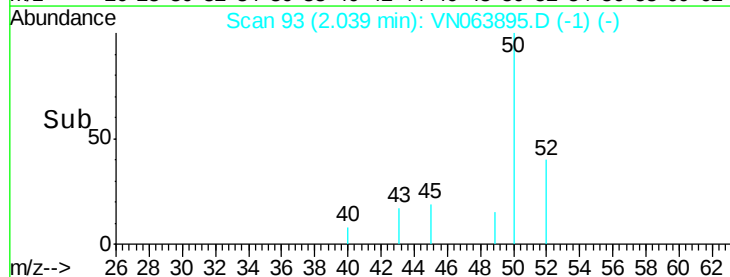
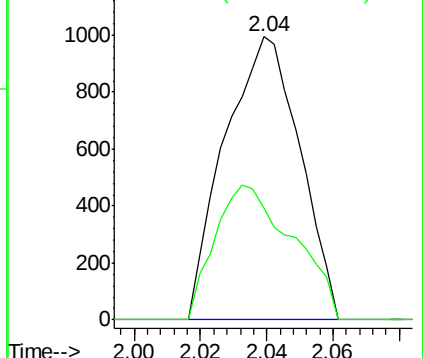
50 100

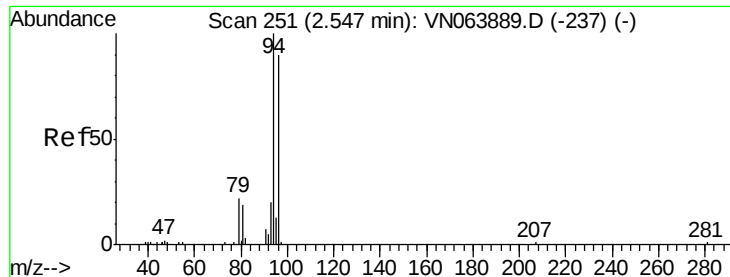
52 39.6 26.0 39.0#



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.290 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.02 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

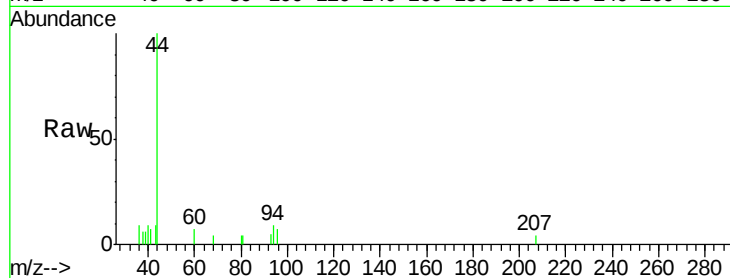
55-ST-29

Tgt Ion: 94 Resp: 657

Ion Ratio Lower Upper

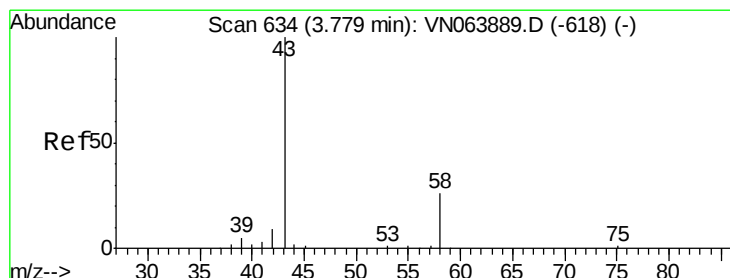
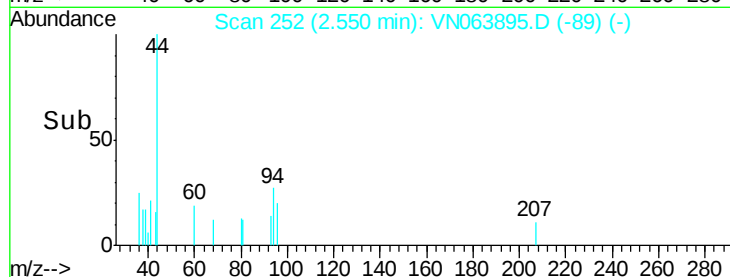
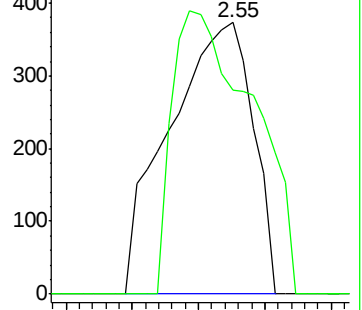
94 100

96 75.3 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#15

Acetone

Concen: 0.547 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.24 min

Lab File: VN063895.D

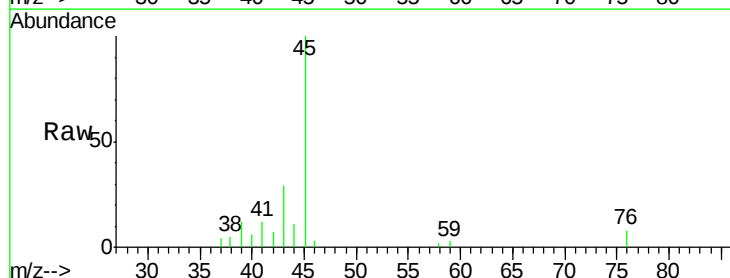
Acq: 6 Oct 2020 15:37

Tgt Ion: 58 Resp: 217

Ion Ratio Lower Upper

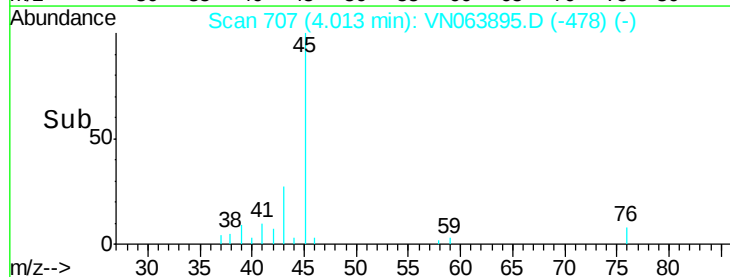
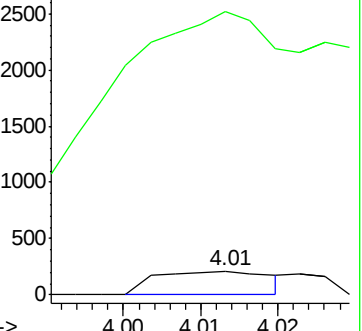
58 100

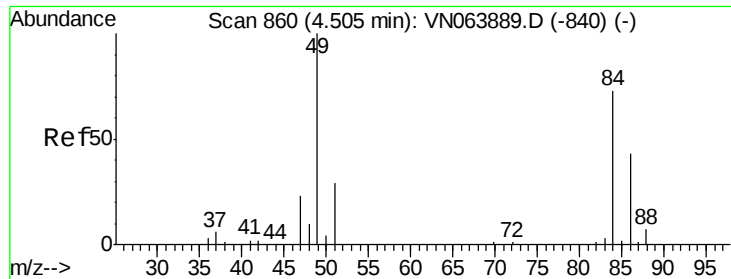
43 225.2 233.2 349.8#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

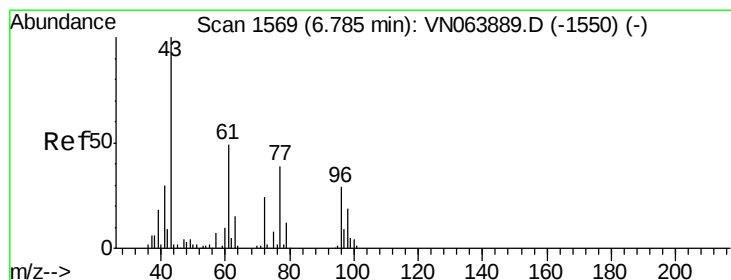
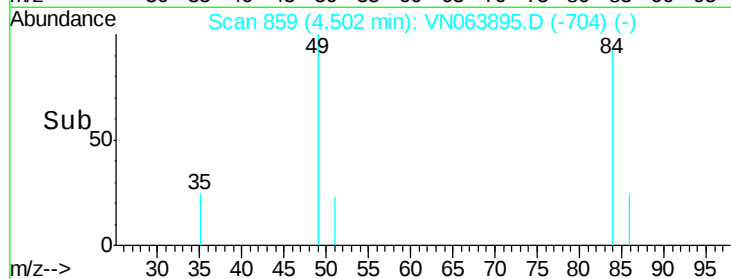
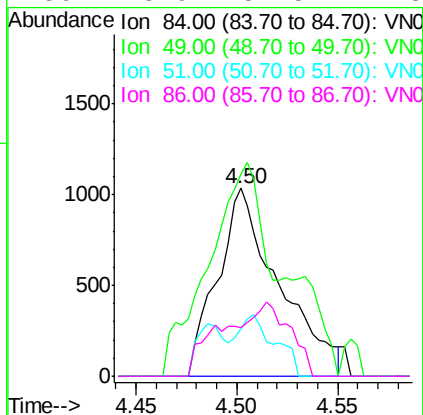
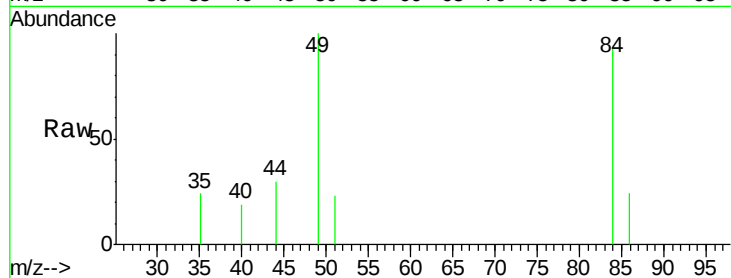




#18
Methylene Chloride
Concen: 0.673 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063895.D
Acq: 6 Oct 2020 15:37

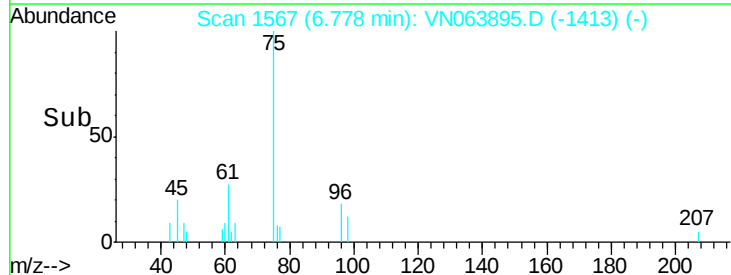
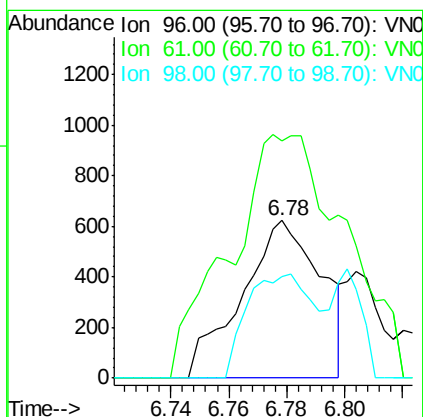
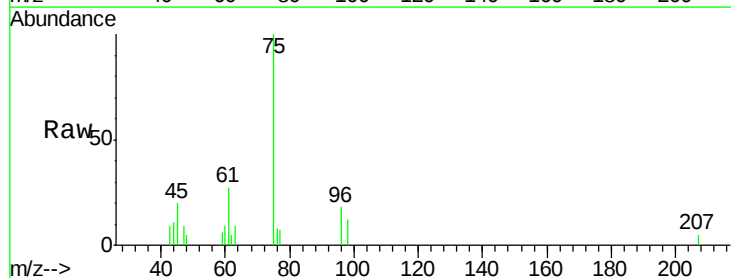
Instrument :
MSVOA_N
ClientSampled :
55-ST-29

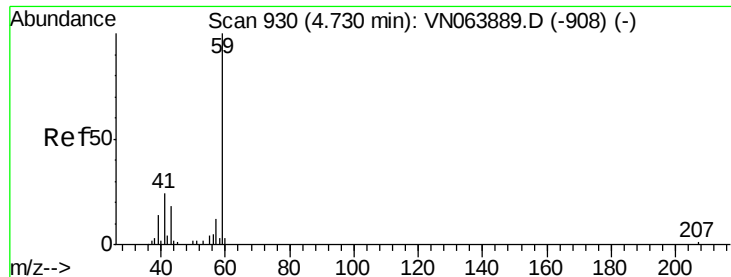
Tgt Ion: 84 Resp: 2183
Ion Ratio Lower Upper
84 100
49 107.7 97.8 146.8
51 25.2 30.7 46.1#
86 25.9 51.5 77.3#



#22
cis-1,2-Dichloroethene
Concen: 0.342 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN063895.D
Acq: 6 Oct 2020 15:37

Tgt Ion: 96 Resp: 1188
Ion Ratio Lower Upper
96 100
61 30.1 120.9 181.3#
98 53.5 50.3 75.5

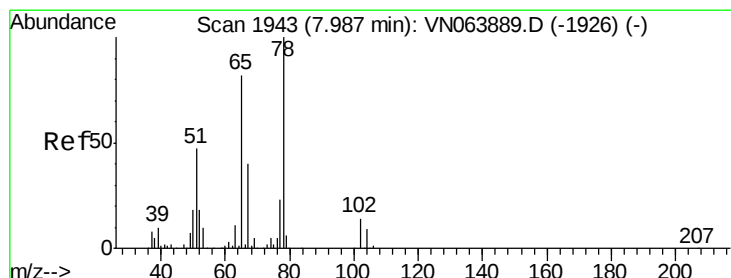
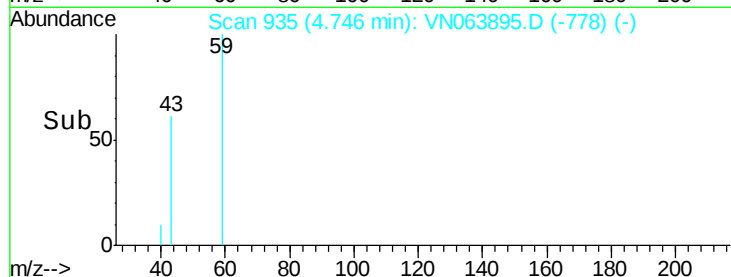
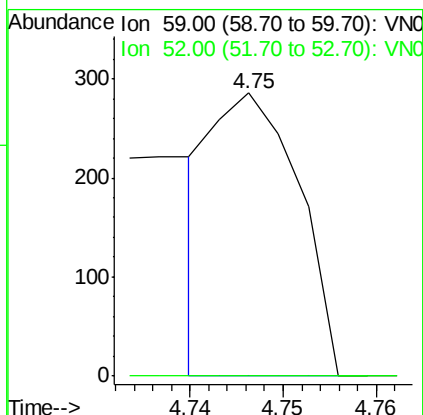
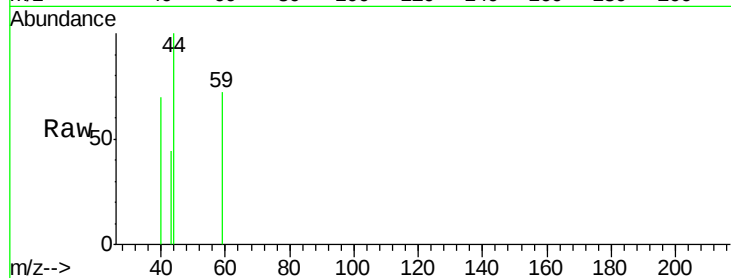




#23
 tert-Butyl Alcohol
 Concen: 0.315 ug/l
 RT: 4.75 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN063895.D
 Acq: 6 Oct 2020 15:37

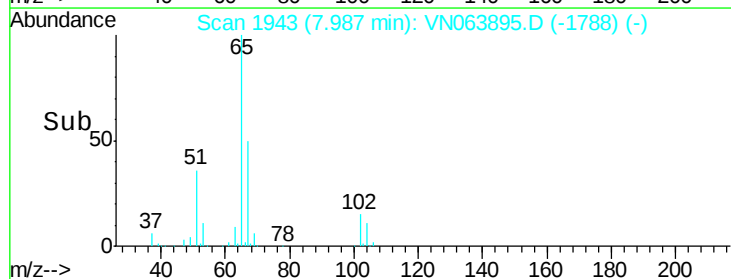
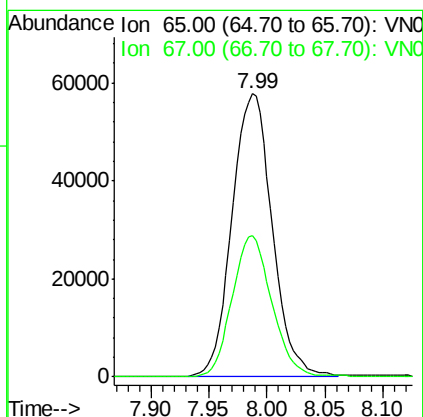
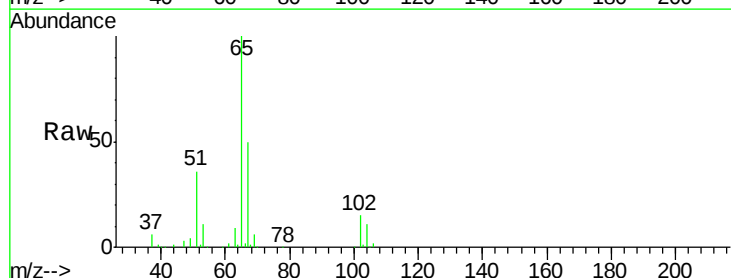
Instrument :
 MSVOA_N
 ClientSampled :
 55-ST-29

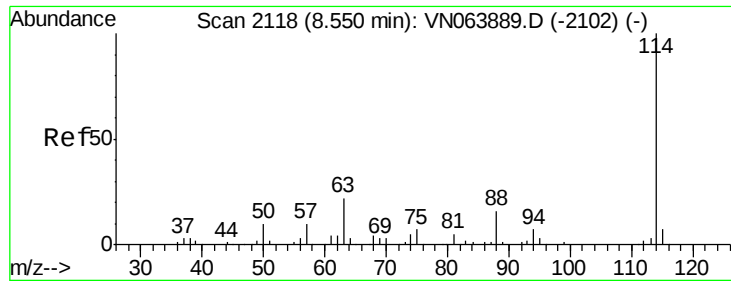
Tgt Ion: 59 Resp: 185
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#27
 1,2-Dichloroethane-d4
 Concen: 30.833 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063895.D
 Acq: 6 Oct 2020 15:37

Tgt Ion: 65 Resp: 139672
 Ion Ratio Lower Upper
 65 100
 67 49.1 43.8 65.6

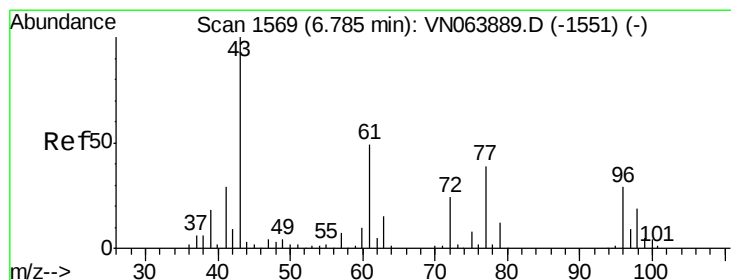
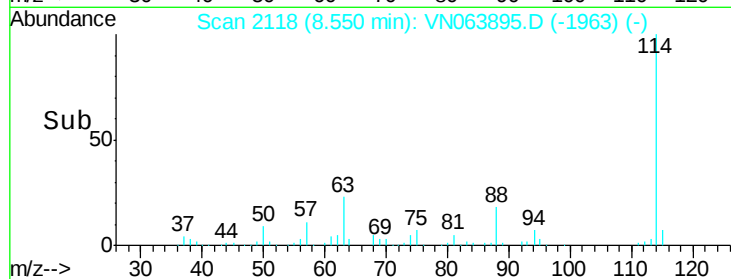
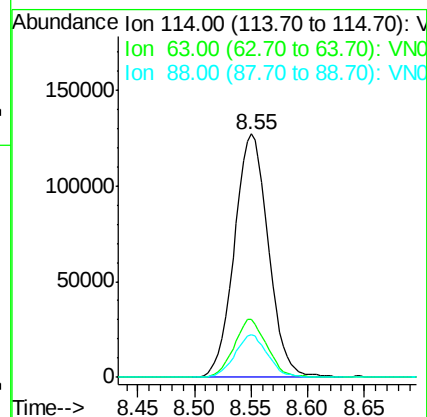
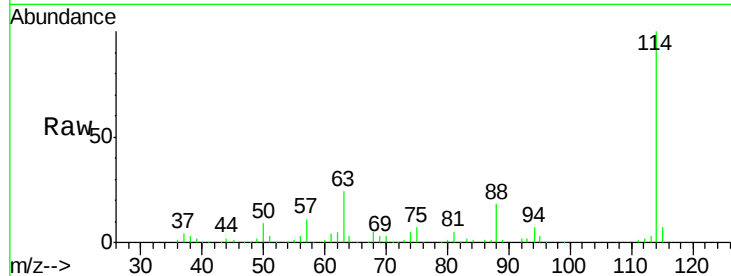




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063895.D
 Acq: 6 Oct 2020 15:37

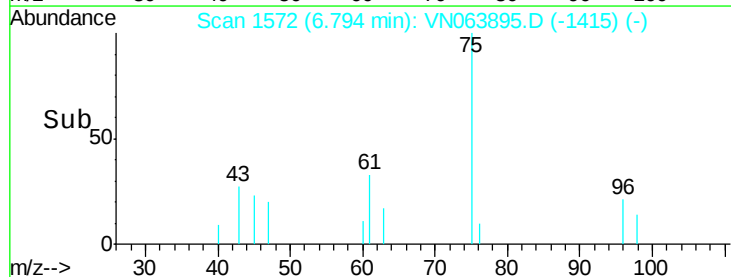
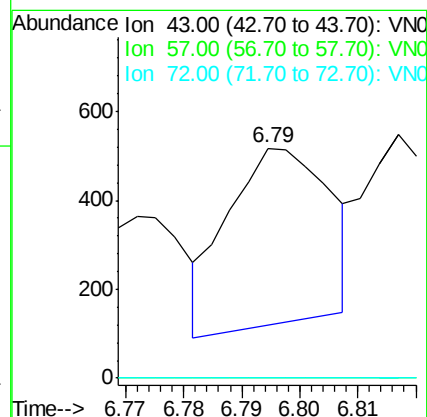
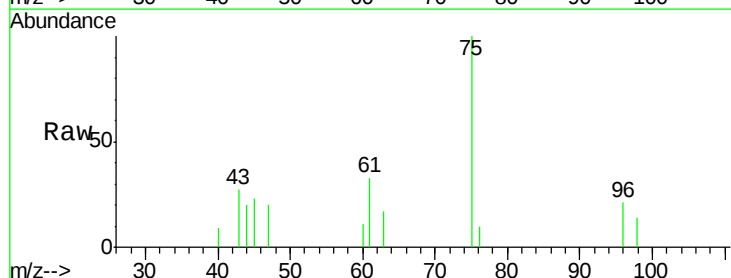
Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-29

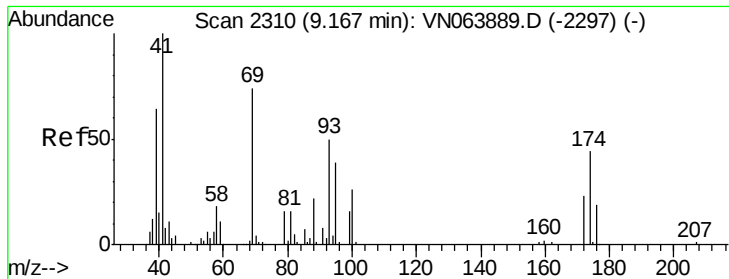
Tgt Ion: 114 Resp: 266517
 Ion Ratio Lower Upper
 114 100
 63 23.0 17.0 25.6
 88 16.8 12.6 18.8



#30
 2-Butanone
 Concen: 0.211 ug/l
 RT: 6.79 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN063895.D
 Acq: 6 Oct 2020 15:37

Tgt Ion: 43 Resp: 482
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.6 9.8#
 72 0.0 21.3 31.9#

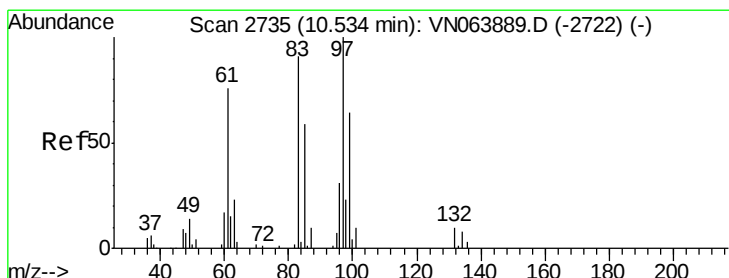
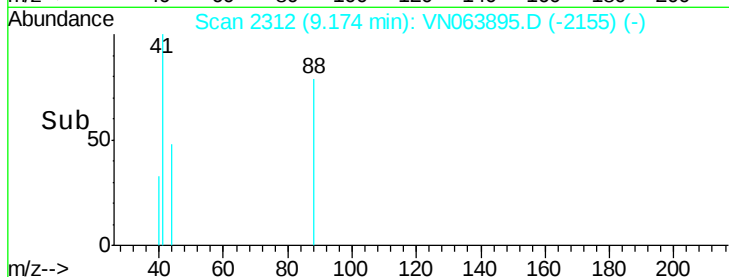
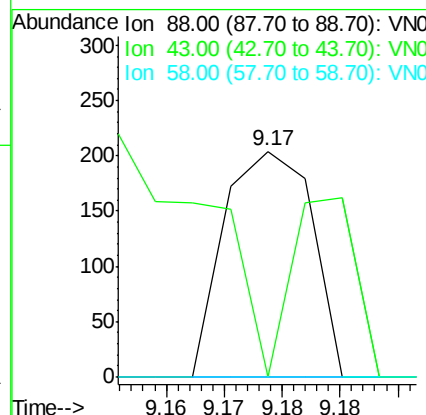
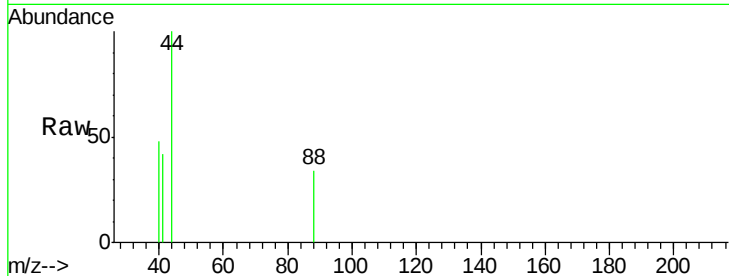




#45
 1,4-Dioxane
 Concen: 2.073 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.01 min
 Lab File: VN063895.D
 Acq: 6 Oct 2020 15:37

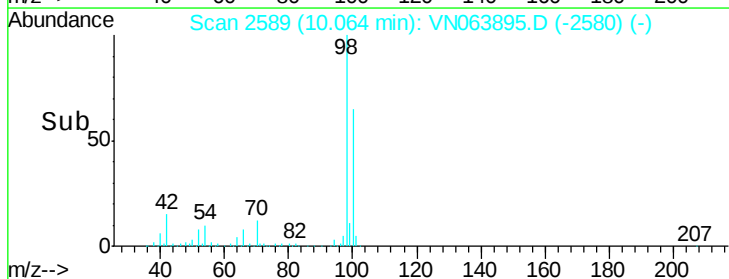
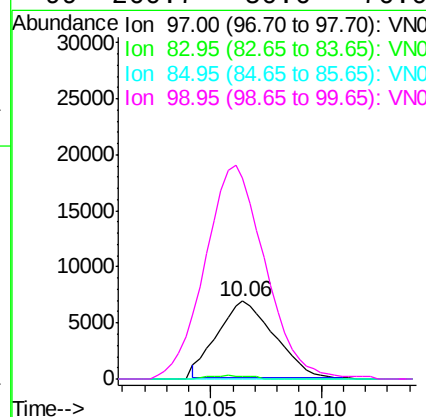
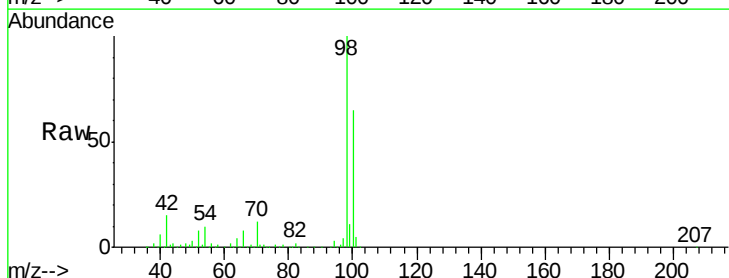
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 55-ST-29

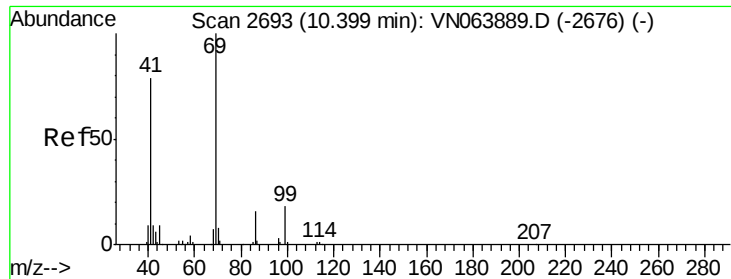
Tgt Ion: 88 Resp: 108
 Ion Ratio Lower Upper
 88 100
 43 57.4 28.5 42.7#
 58 0.0 59.6 89.4#



#50
 1,1,2-Trichloroethane
 Concen: 3.543 ug/l
 RT: 10.06 min Scan# 2589
 Delta R.T. -0.47 min
 Lab File: VN063895.D
 Acq: 6 Oct 2020 15:37

Tgt Ion: 97 Resp: 11914
 Ion Ratio Lower Upper
 97 100
 83 3.8 69.9 104.9#
 85 0.0 44.0 66.0#
 99 260.7 50.6 76.0#





#51

Ethyl methacrylate

Concen: 0.272 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.34 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

Instrument :

MSVOA_N

ClientSampled :

55-ST-29

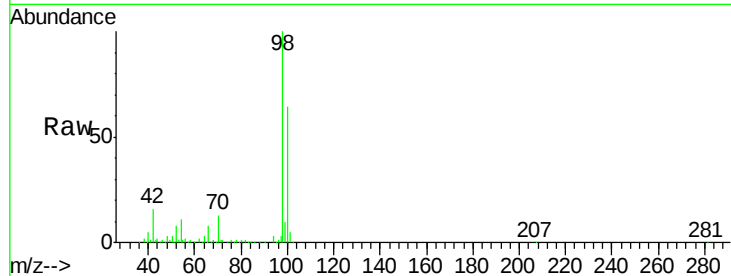
Tgt Ion: 69 Resp: 1328

Ion Ratio Lower Upper

69 100

41 127.5 32.1 96.5#

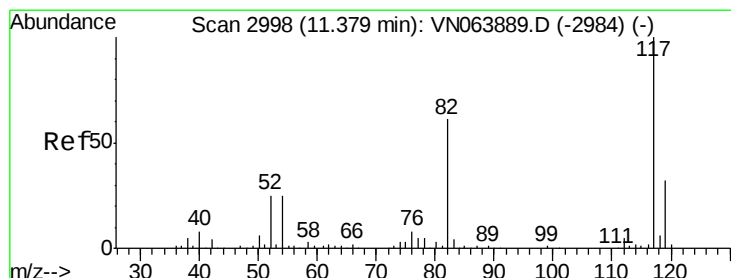
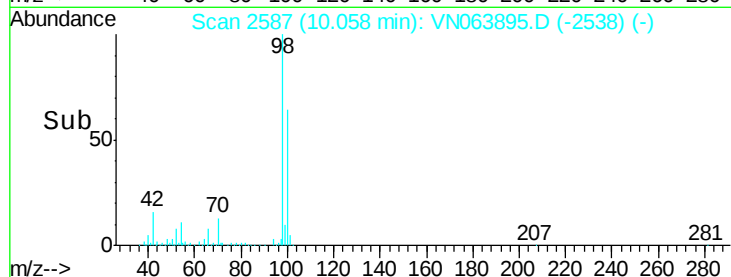
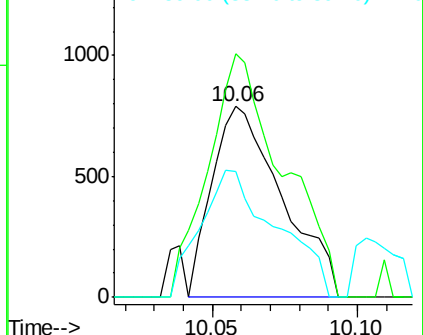
39 65.9 16.1 48.3#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

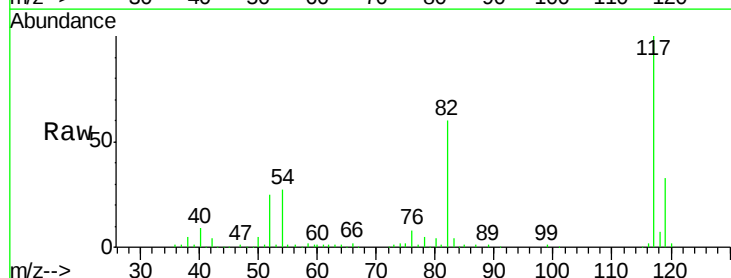
Tgt Ion: 117 Resp: 245601

Ion Ratio Lower Upper

117 100

82 60.1 44.9 67.3

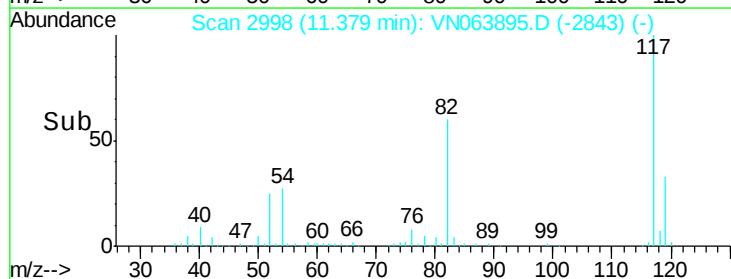
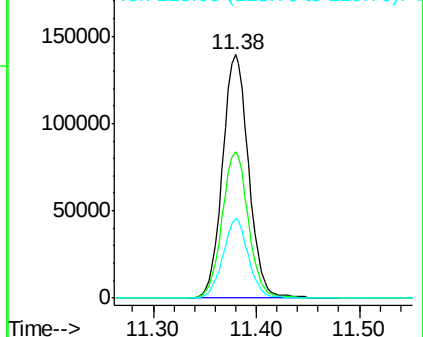
119 31.6 26.0 39.0

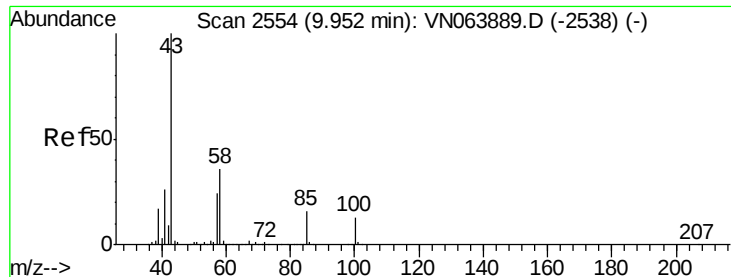


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V





#58

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

55-ST-29

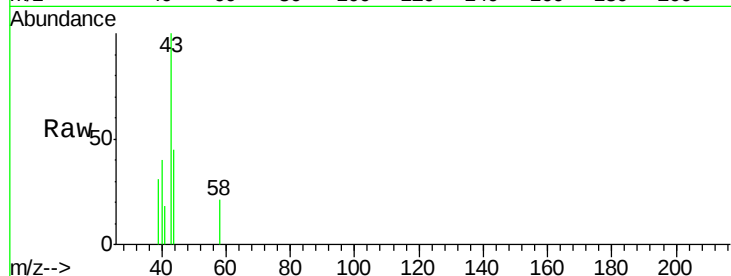
Tgt Ion: 43 Resp: 1150

Ion Ratio Lower Upper

43 100

58 22.0 31.4 47.0#

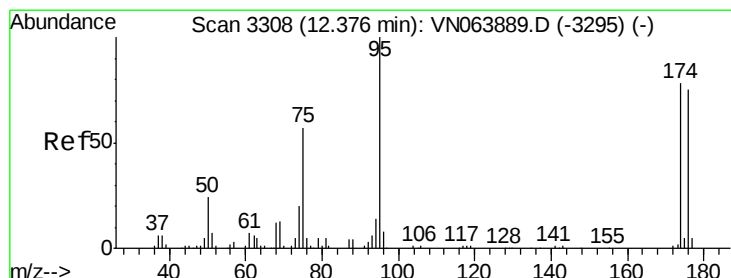
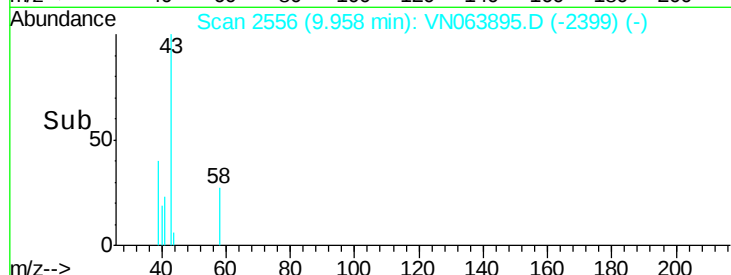
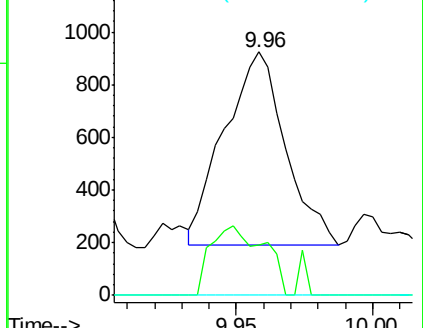
85 0.0 13.4 20.2#



Abundance Ion 43.00 (42.70 to 43.70): VN063889.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN063889.D (-2538) (-)

Ion 85.00 (84.70 to 85.70): VN063889.D (-2538) (-)



#60

4-Bromofluorobenzene

Concen: 25.401 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

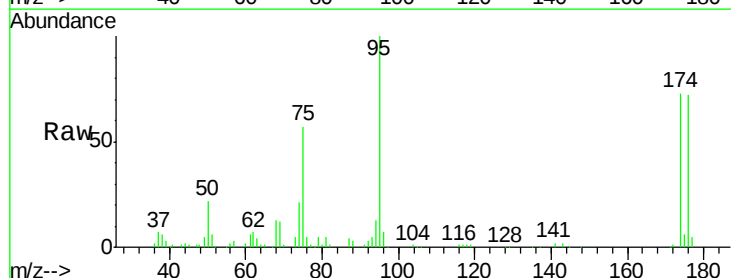
Tgt Ion: 95 Resp: 106686

Ion Ratio Lower Upper

95 100

174 74.2 70.1 105.1

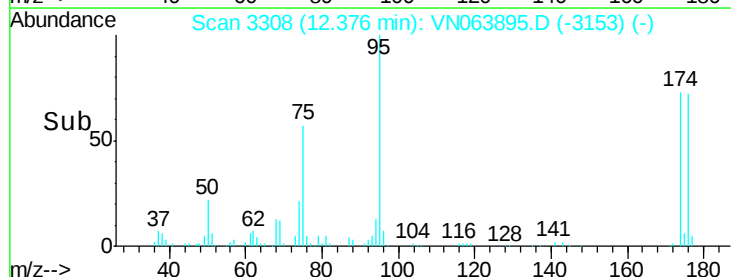
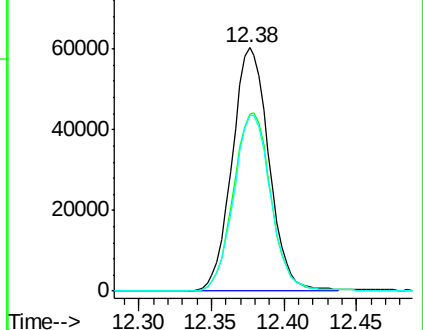
176 73.2 66.8 100.2

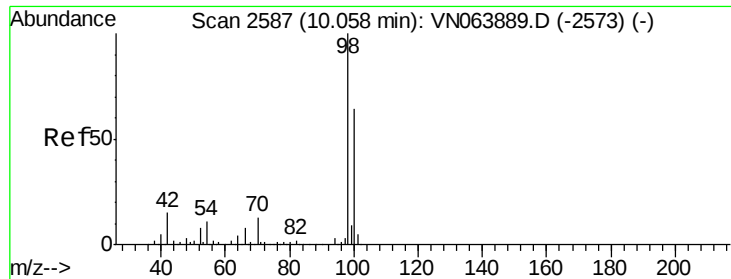


Abundance Ion 95.00 (94.70 to 95.70): VN063889.D (-3295) (-)

Ion 174.00 (173.70 to 174.70): VN063889.D (-3295) (-)

Ion 176.00 (175.70 to 176.70): VN063889.D (-3295) (-)





#63

Toluene-d8

Concen: 29.868 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

Instrument :

MSVOA_N

ClientSampleId :

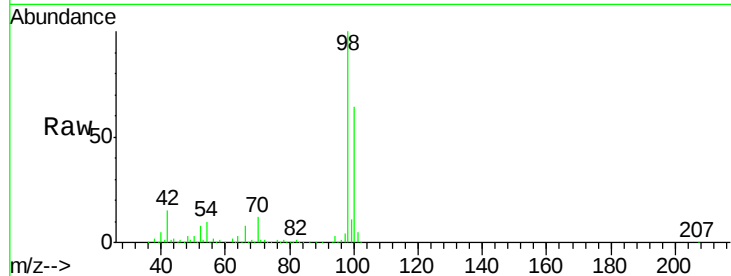
55-ST-29

Tgt Ion: 98 Resp: 332442

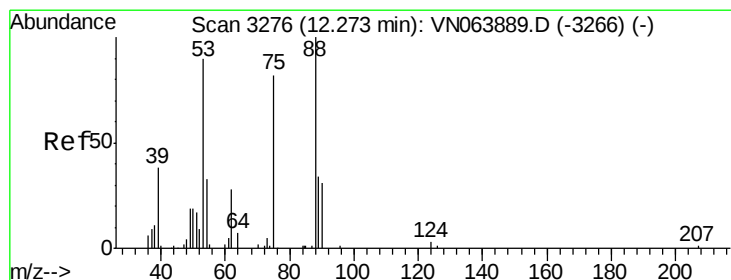
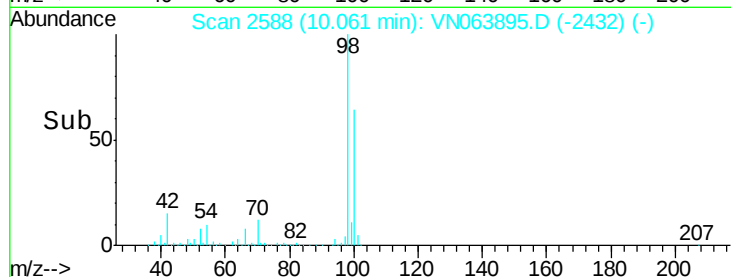
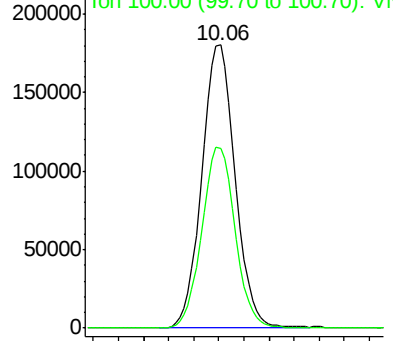
Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN063889.D (-2573) (-)



#77

t-1,4-Dichloro-2-butene

Concen: 36.725 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063895.D

Acq: 6 Oct 2020 15:37

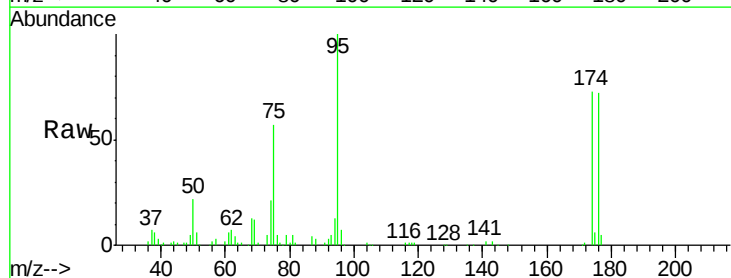
Tgt Ion: 75 Resp: 61397

Ion Ratio Lower Upper

75 100

53 0.0 47.0 141.0#

89 0.0 22.9 68.7#



Abundance Ion 75.00 (74.70 to 75.70): VN063889.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN063889.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN063889.D (-3266) (-)

12.38

