

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063663.D
 Acq On : 25 Sep 2020 6:13
 Operator : JC/MD
 Sample : L4113-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KTS-WC-S-0102-0-92

Quant Time: Sep 25 07:33:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	191430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	373598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376407	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156958	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	172543	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
35) Dibromofluoromethane	7.55	113	125136	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.06	98	480615	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.38	95	182246	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	

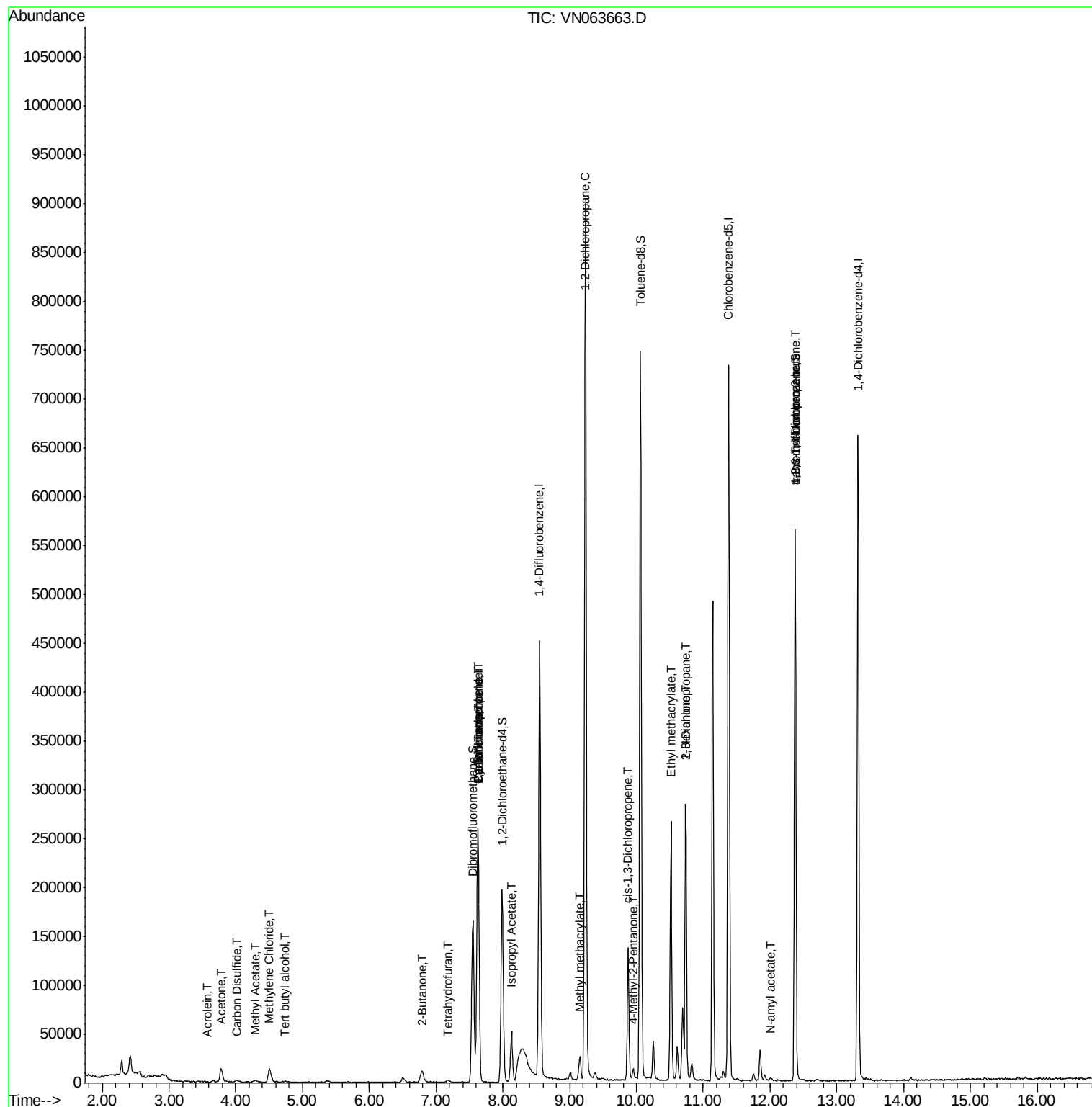
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	1104	2.446	ug/l #	72
13) Acrolein	3.58	56	67	0.400	ug/l #	13
16) Acetone	3.78	43	25722	24.561	ug/l #	89
17) Carbon Disulfide	4.01	76	1844	0.293	ug/l #	75
18) Methyl Acetate	4.29	43	2424	0.912	ug/l	95
20) Methylene Chloride	4.50	84	9639	3.633	ug/l	86
25) 2-Butanone	6.79	43	14184	8.806	ug/l	92
29) Tetrahydrofuran	7.16	42	617	0.561	ug/l #	65
31) Cyclohexane	7.62	56	6267	1.393	ug/l #	58
36) 1,1-Dichloropropene	7.63	75	18526	4.655	ug/l #	52
38) Carbon Tetrachloride	7.62	117	21441	5.277	ug/l #	19
43) Isopropyl Acetate	8.13	43	59647	8.539	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1030	0.333	ug/l #	43
48) Methyl methacrylate	9.14	41	5159	1.503	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	6432	1.645	ug/l #	84
54) cis-1,3-Dichloropropene	9.88	75	21298	4.281	ug/l #	66
56) Ethyl methacrylate	10.52	69	1711	0.404	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	2692	0.550	ug/l #	47
59) 2-Hexanone	10.74	43	46432	16.390	ug/l #	58
74) N-amyl acetate	12.01	43	1861	0.313	ug/l #	47
76) 1,2,3-Trichloropropane	12.38	75	104604	26.926	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104604	73.820	ug/l #	7

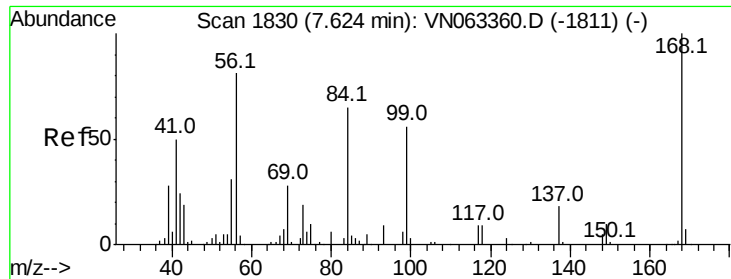
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
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Acq On : 25 Sep 2020 6:13
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Sample : L4113-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
KTS-WC-S-0102-0-92

Quant Time: Sep 25 07:33:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

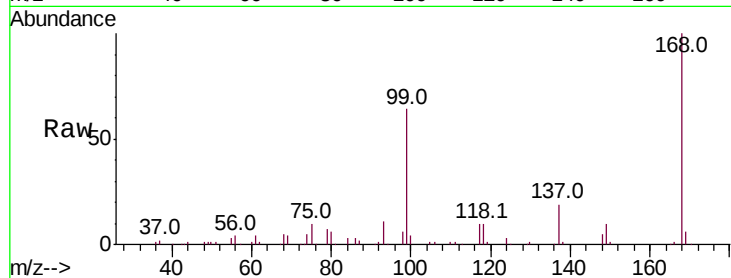
KTS-WC-S-0102-0-92

Tot Ion:168 Resp: 191430

Ion Ratio Lower Upper

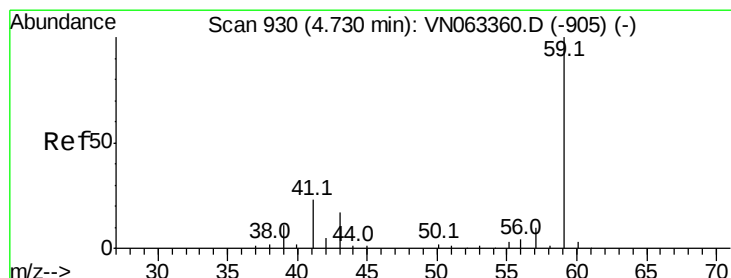
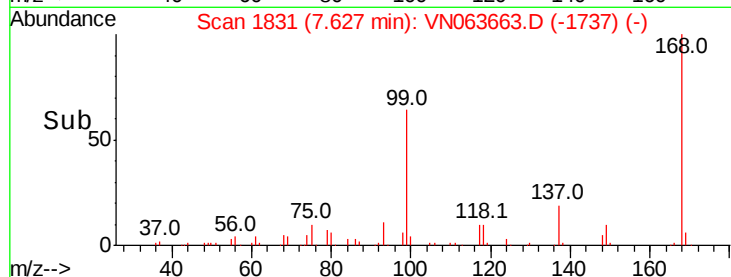
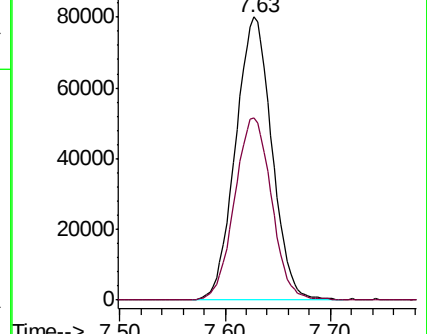
168 100

99 64.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 2.446 ug/l

RT: 4.74 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN063663.D

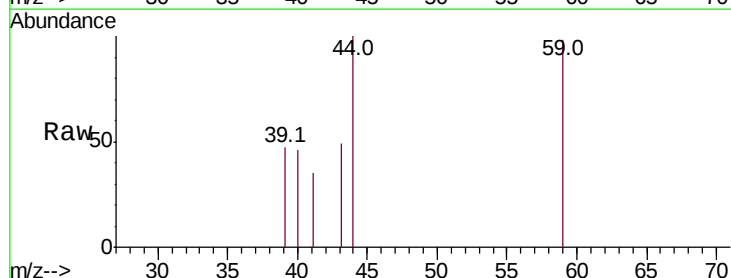
Acq: 25 Sep 2020 6:13

Tgt Ion: 59 Resp: 1104

Ion Ratio Lower Upper

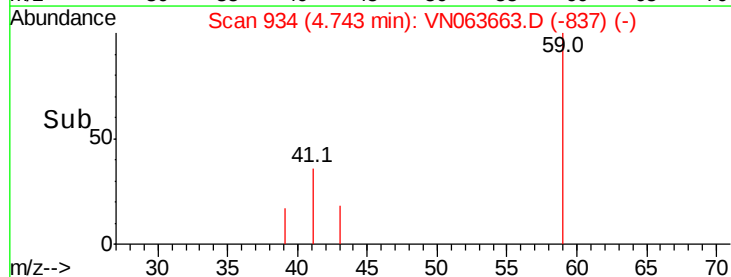
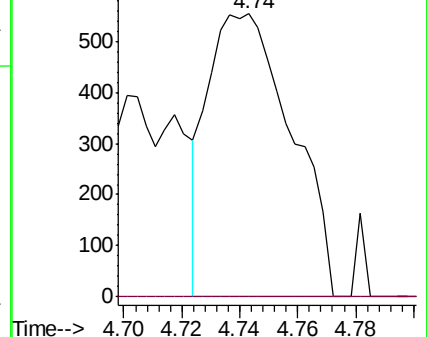
59 100

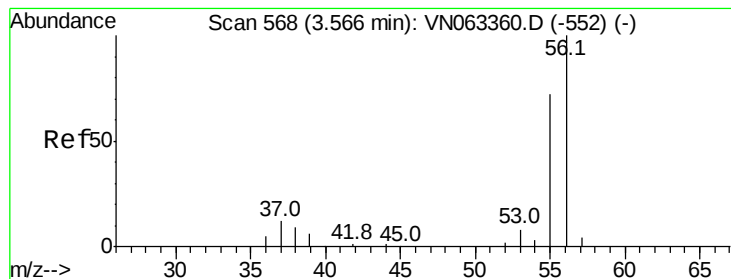
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 0.400 ug/l

RT: 3.58 min Scan# 571

Delta R.T. 0.01 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

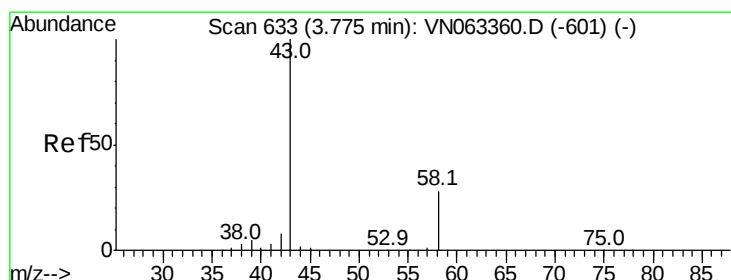
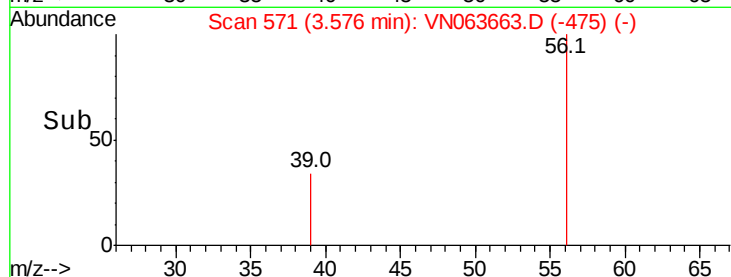
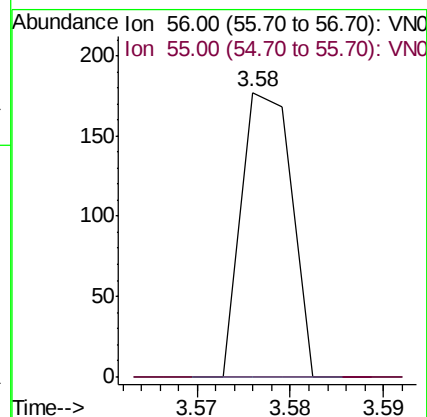
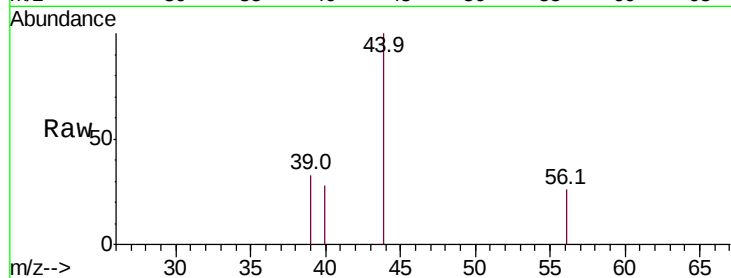
KTS-WC-S-0102-0-92

Tot Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.2#



#16

Acetone

Concen: 24.561 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063663.D

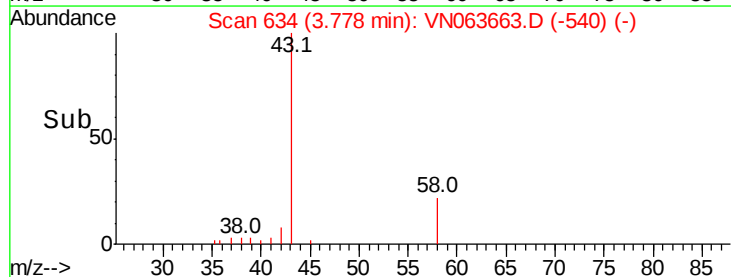
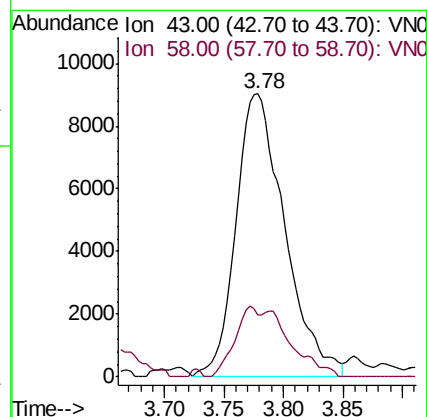
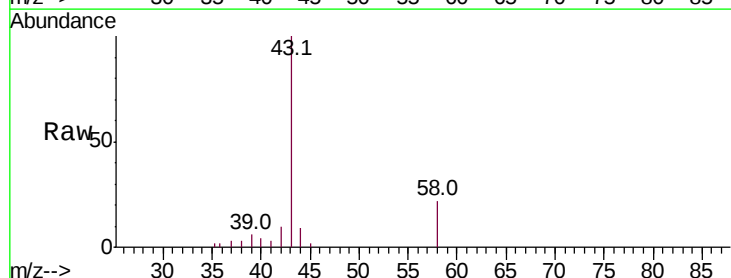
Acq: 25 Sep 2020 6:13

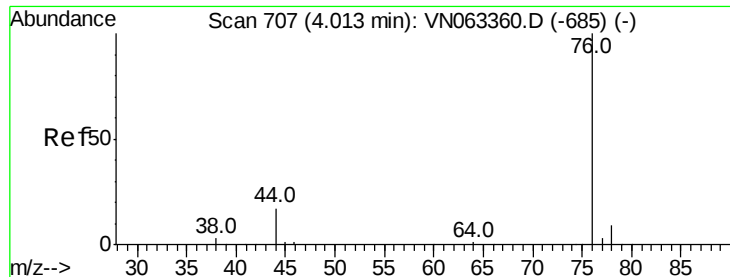
Tgt Ion: 43 Resp: 25722

Ion Ratio Lower Upper

43 100

58 21.9 22.3 33.5#

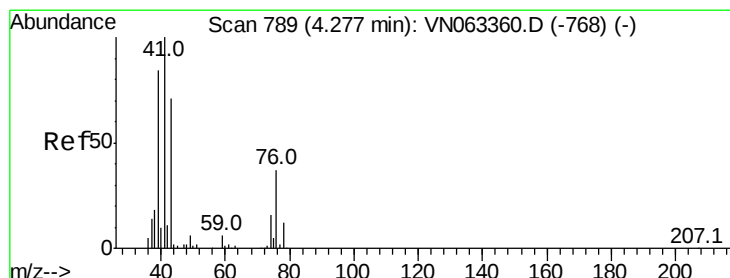
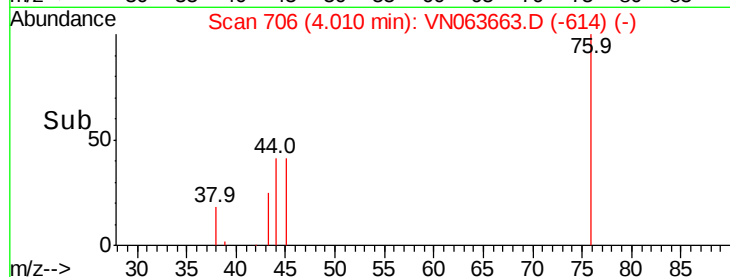
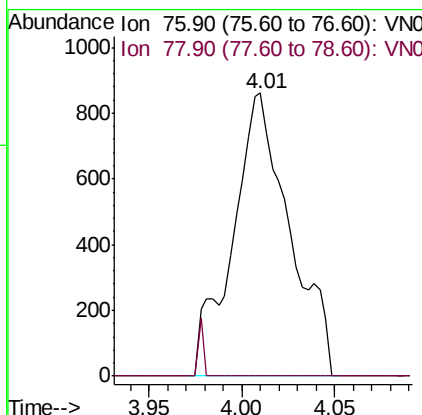
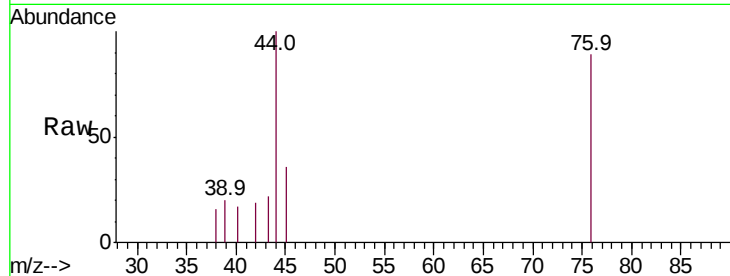




#17
Carbon Disulfide
Concen: 0.293 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063663.D
Acq: 25 Sep 2020 6:13

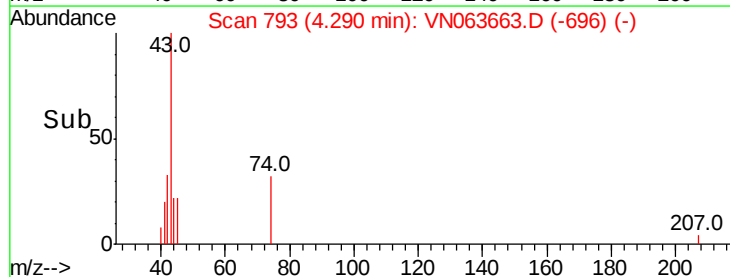
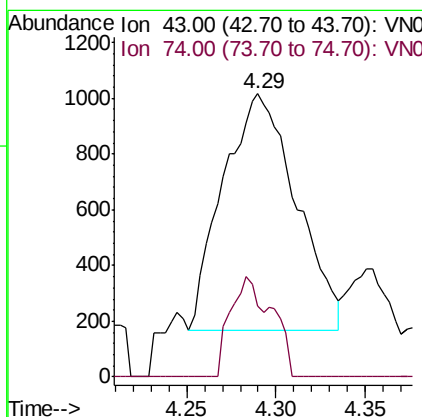
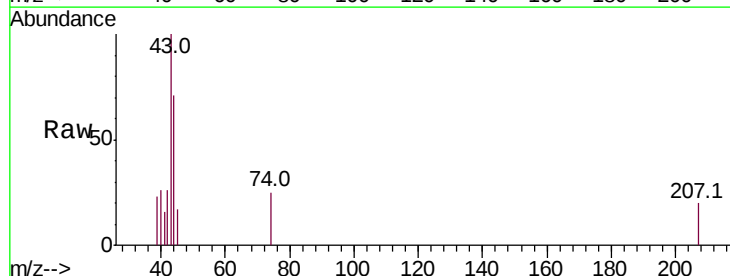
Instrument :
MSVOA_N
ClientSampleId :
KTS-WC-S-0102-0-92

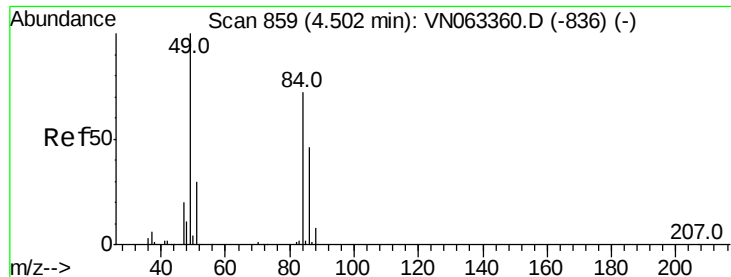
Tot Ion: 76 Resp: 1844
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.912 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063663.D
Acq: 25 Sep 2020 6:13

Tgt Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
74 24.0 17.4 26.2

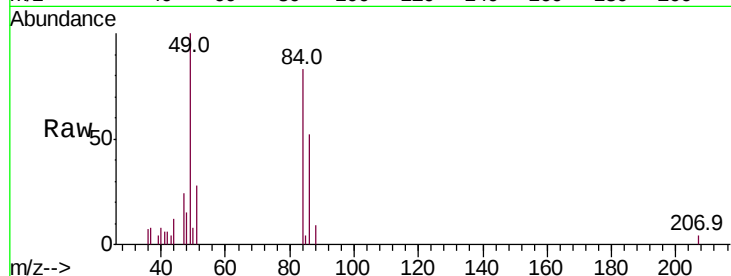




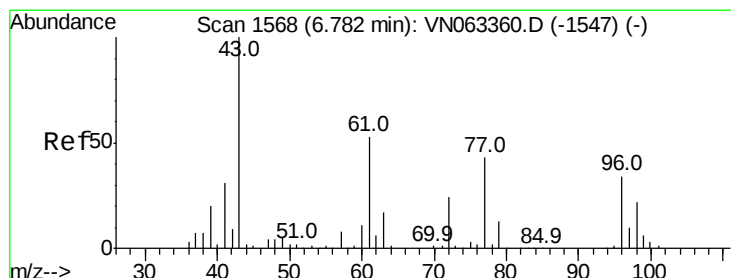
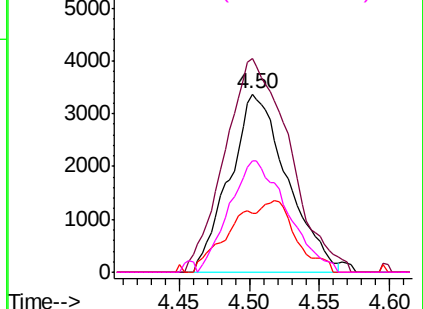
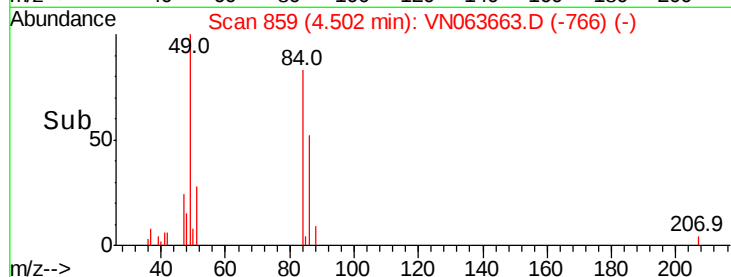
#20
Methvlene Chloride
Concen: 3.633 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063663.D
Acq: 25 Sep 2020 6:13

Instrument :
MSVOA_N
ClientSampleId :
KTS-WC-S-0102-0-92

Tot Ion: 84 Resp: 9639
Ion Ratio Lower Upper
84 100
49 113.9 110.7 166.1
51 33.1 32.9 49.3
86 62.6 51.1 76.7

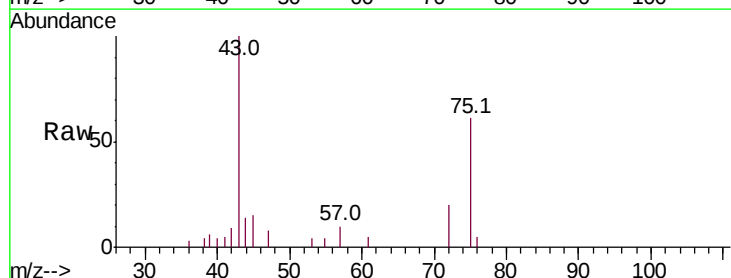


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

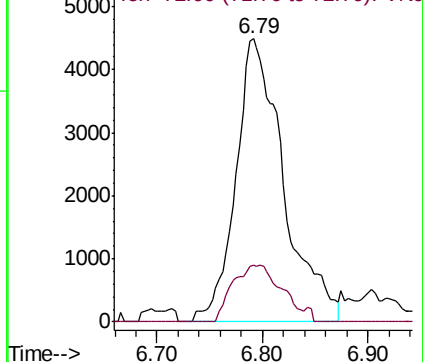
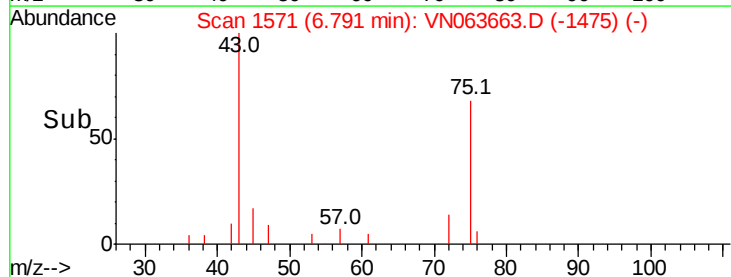


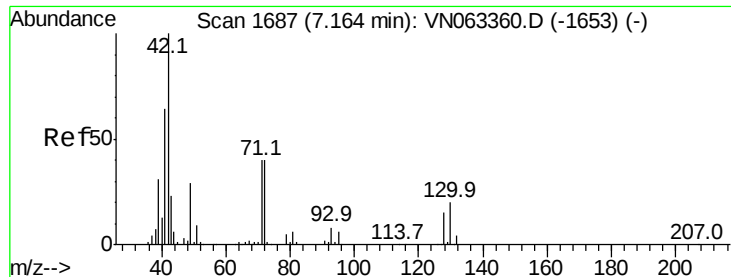
#25
2-Butanone
Concen: 8.806 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063663.D
Acq: 25 Sep 2020 6:13

Tgt Ion: 43 Resp: 14184
Ion Ratio Lower Upper
43 100
72 20.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.561 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-0102-0-92

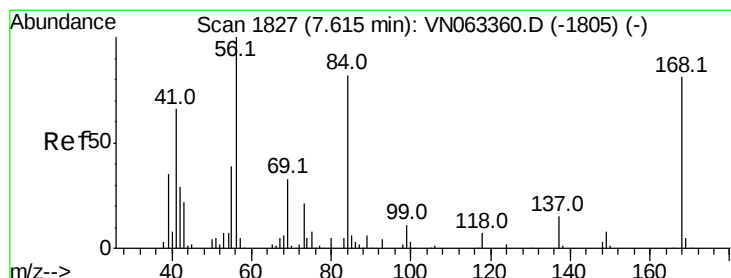
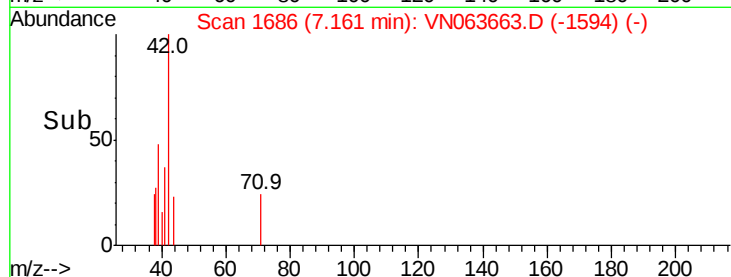
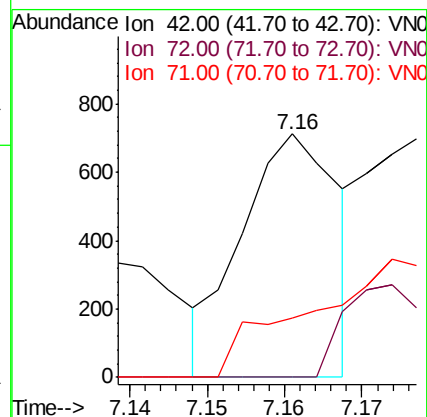
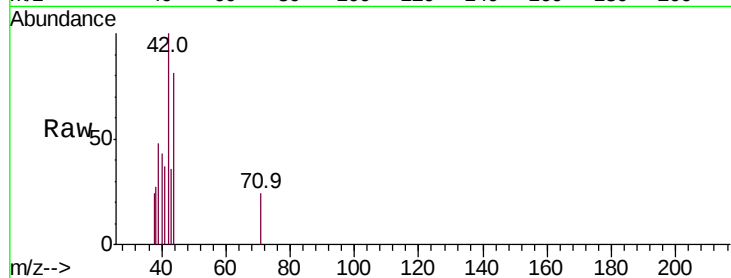
Tot Ion: 42 Resp: 617

Ion Ratio Lower Upper

42 100

72 29.0 32.1 48.1#

71 70.5 31.2 46.8#



#31

Cyclohexane

Concen: 1.393 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

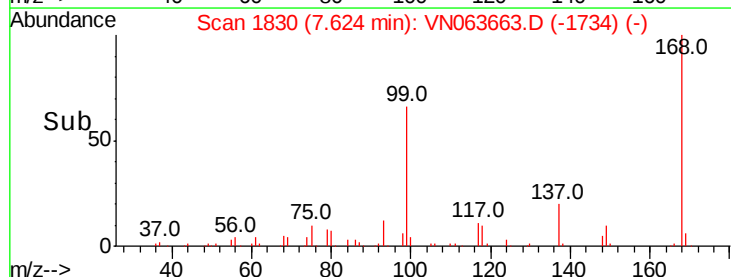
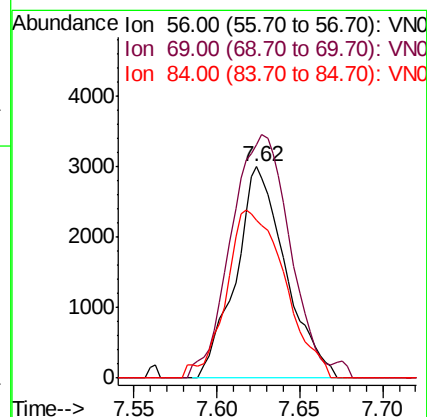
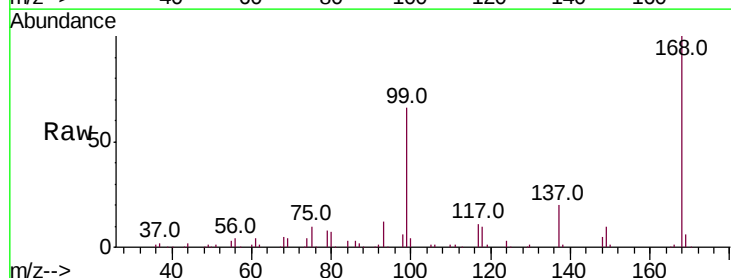
Tgt Ion: 56 Resp: 6267

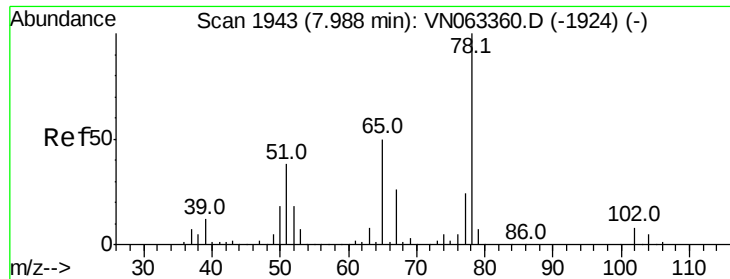
Ion Ratio Lower Upper

56 100

69 104.1 26.1 39.1#

84 74.7 65.4 98.2

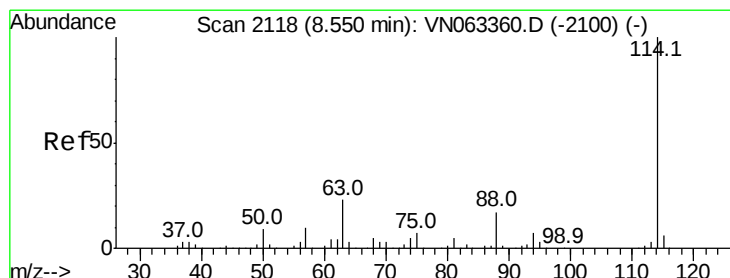
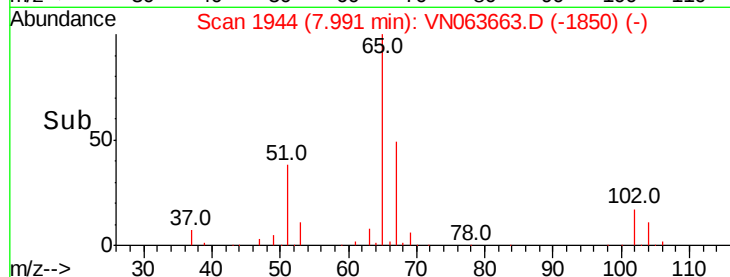
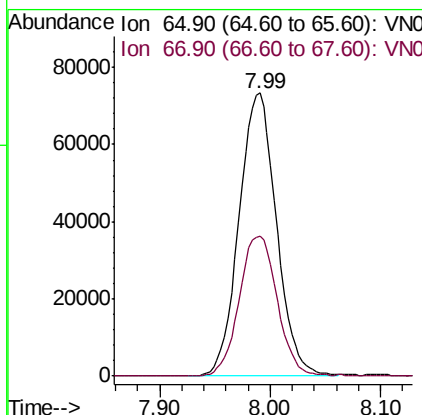
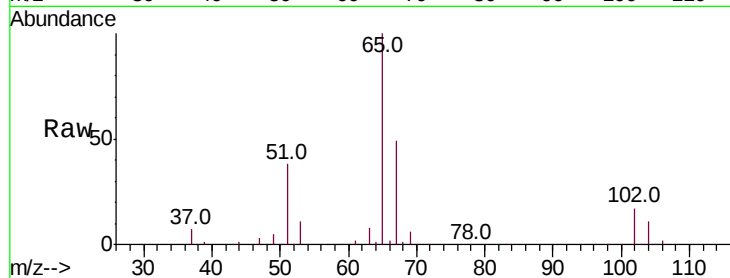




#33
 1,2-Dichloroethane-d4
 Concen: 52.949 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063663.D
 Acq: 25 Sep 2020 6:13

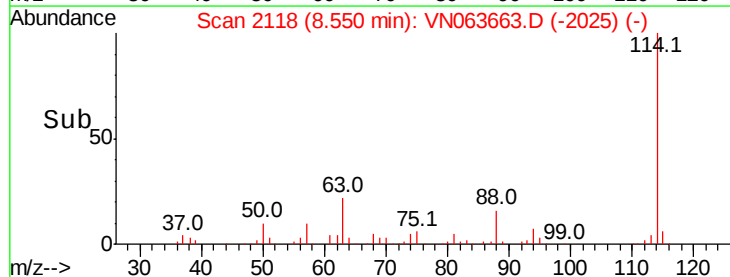
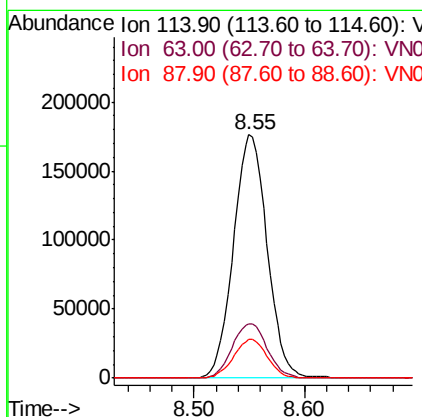
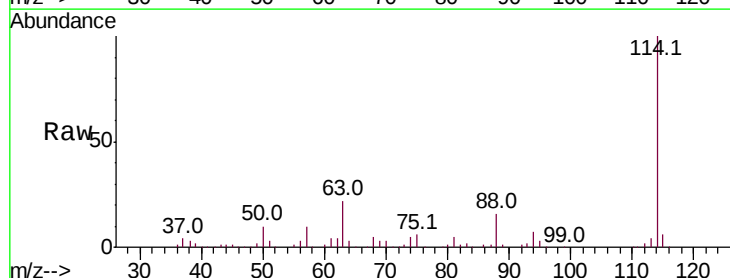
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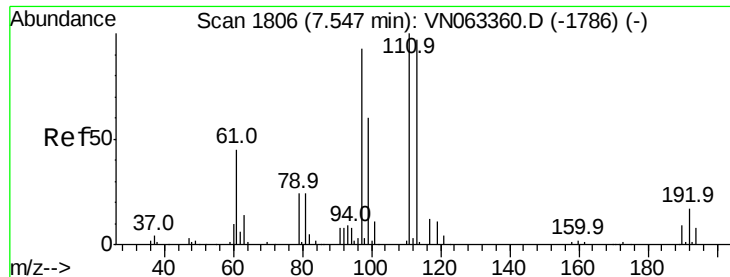
Tot Ion: 65 Resp: 172543
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063663.D
 Acq: 25 Sep 2020 6:13

Tgt Ion: 114 Resp: 373598
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 46.4
 88 16.0 0.0 33.2

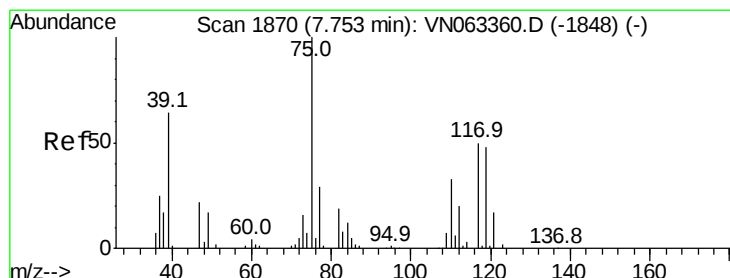
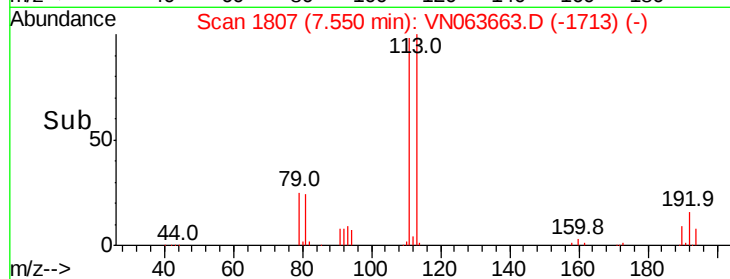
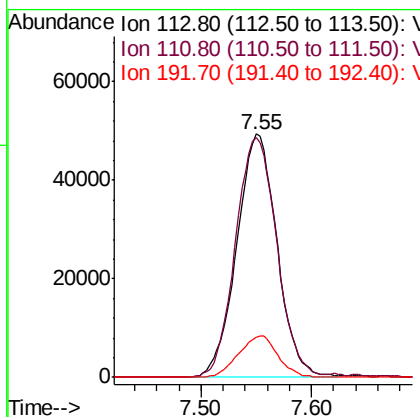
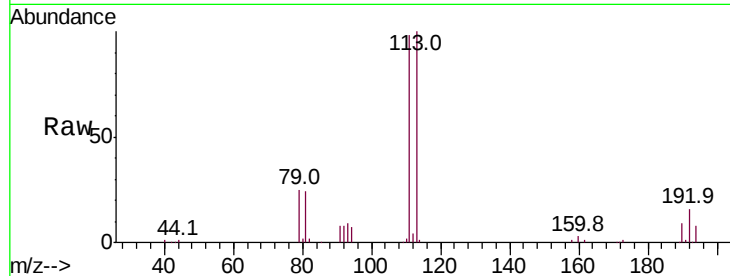




#35
 Dibromofluoromethane
 Concen: 48.383 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063663.D
 Acq: 25 Sep 2020 6:13

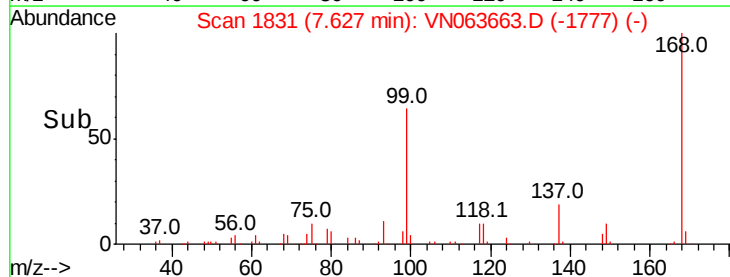
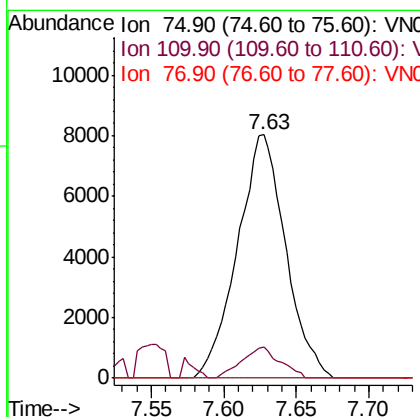
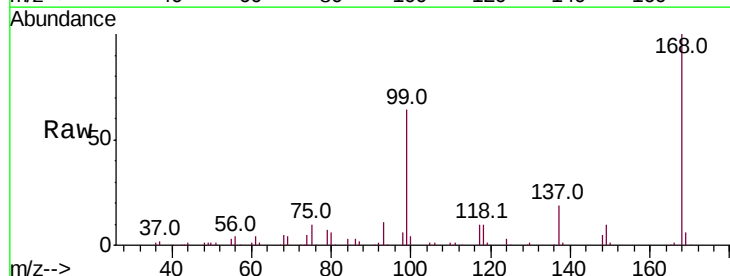
Instrument :
 MSVOA_N
 ClientSampleId :
 KTS-WC-S-0102-0-92

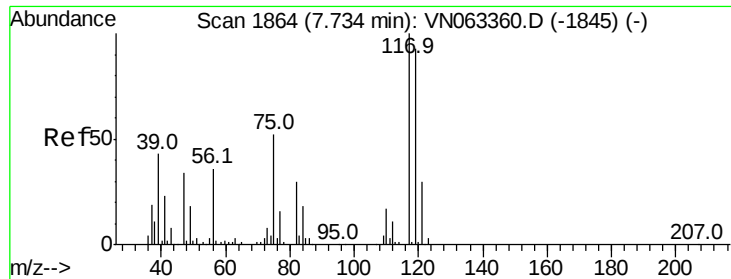
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.9	124.3
192	16.7	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063663.D
 Acq: 25 Sep 2020 6:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	16.5	49.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.277 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-0102-0-92

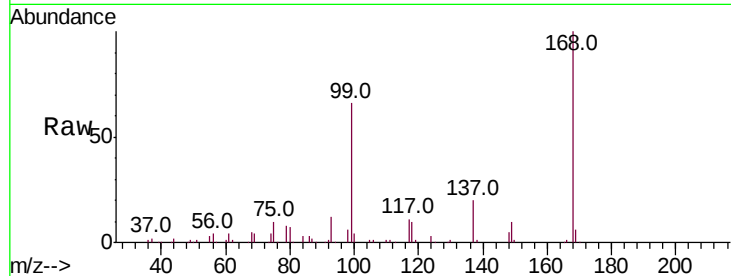
Tot Ion:117 Resp: 21441

Ion Ratio Lower Upper

117 100

119 7.1 74.5 111.7#

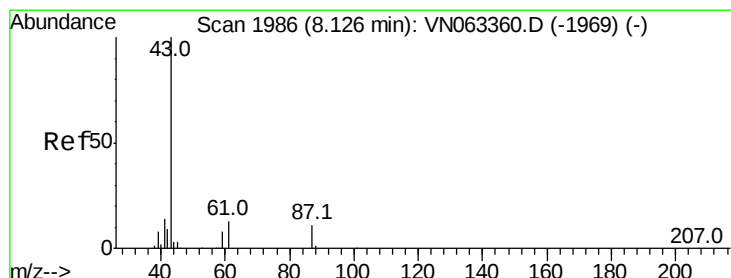
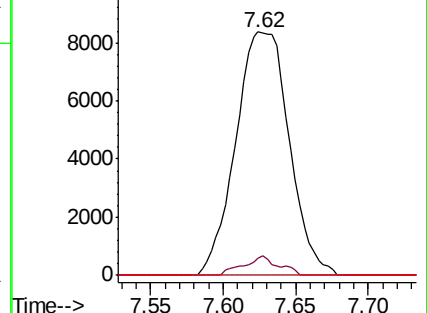
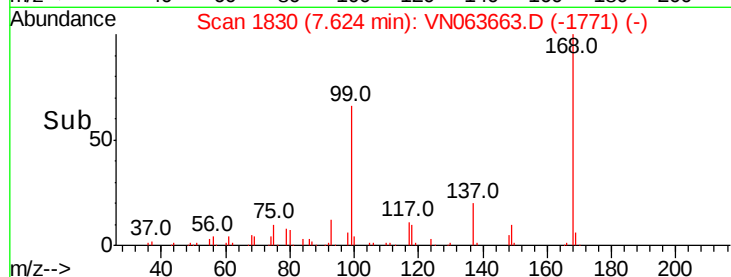
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 8.539 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

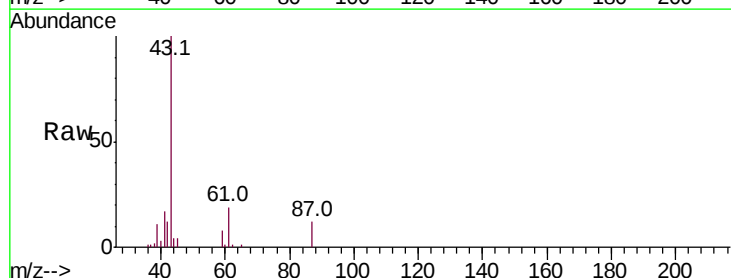
Tgt Ion: 43 Resp: 59647

Ion Ratio Lower Upper

43 100

61 17.4 14.2 21.2

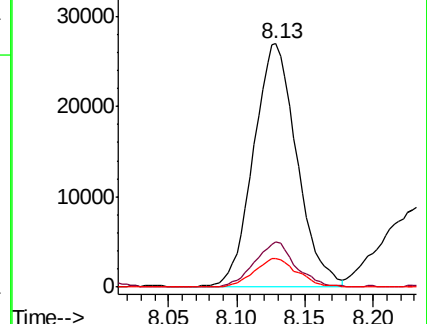
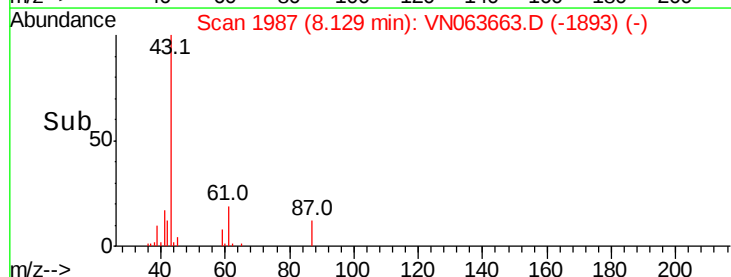
87 11.6 9.0 13.6

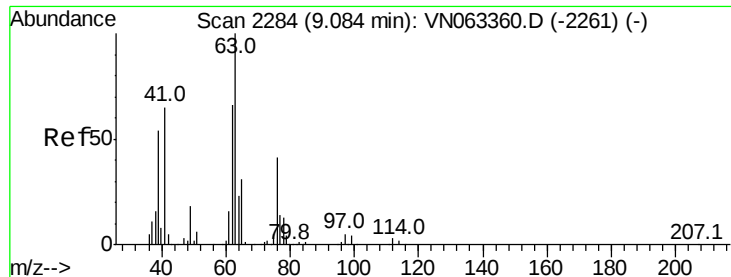


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#45

1,2-Dichloropropane

Concen: 0.333 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

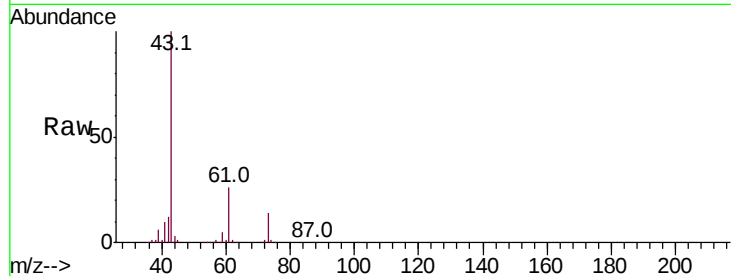
KTS-WC-S-0102-0-92

Tot Ion: 63 Resp: 1030

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.23

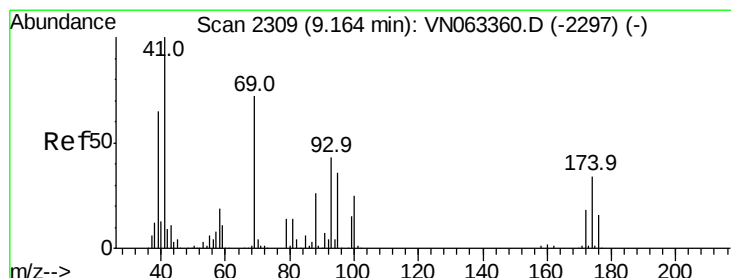
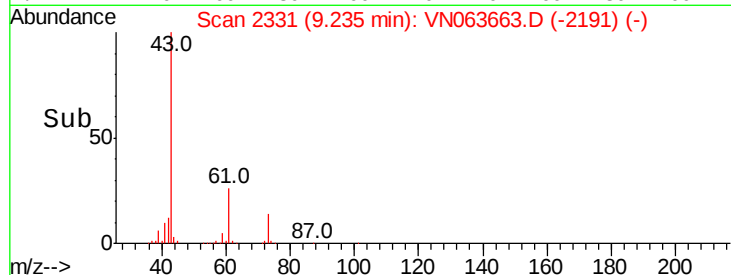
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.503 ug/l

RT: 9.14 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

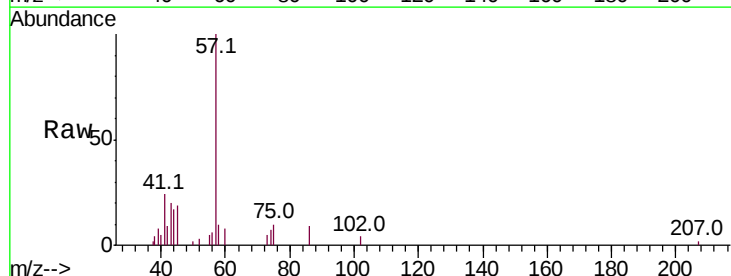
Tgt Ion: 41 Resp: 5159

Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

39 0.0 52.9 79.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

60000

50000

40000

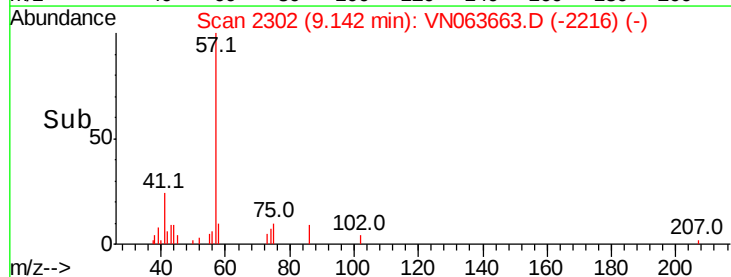
30000

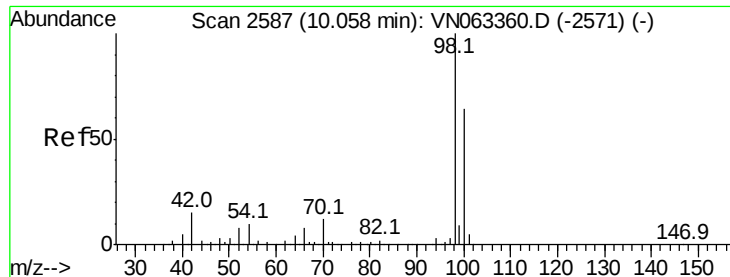
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 49.420 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

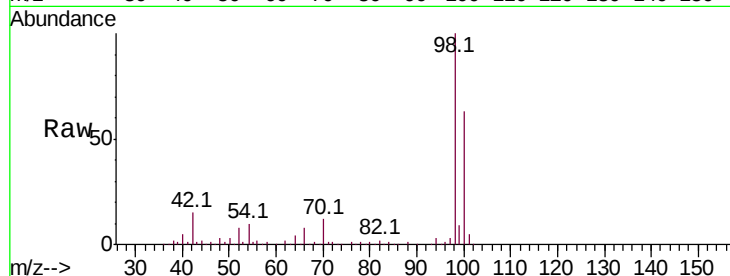
KTS-WC-S-0102-0-92

Tot Ion: 98 Resp: 480615

Ion Ratio Lower Upper

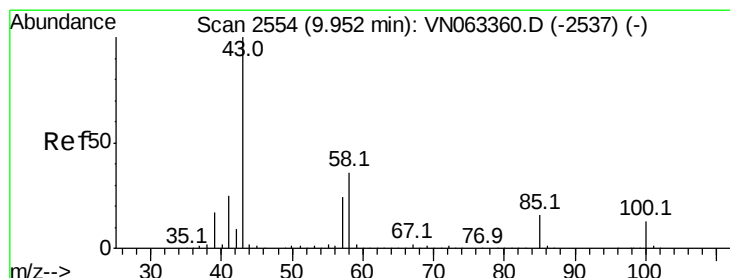
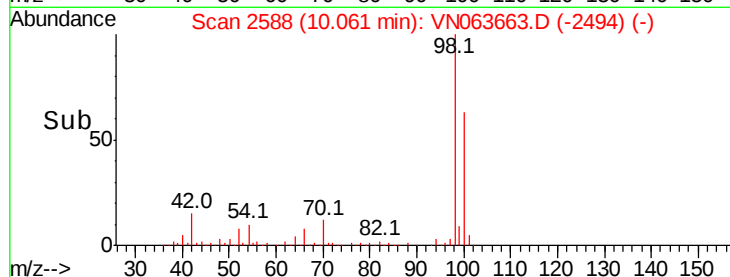
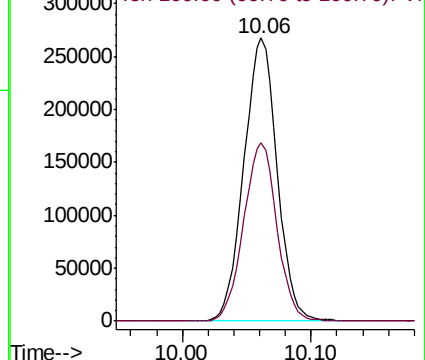
98 100

100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 1.645 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063663.D

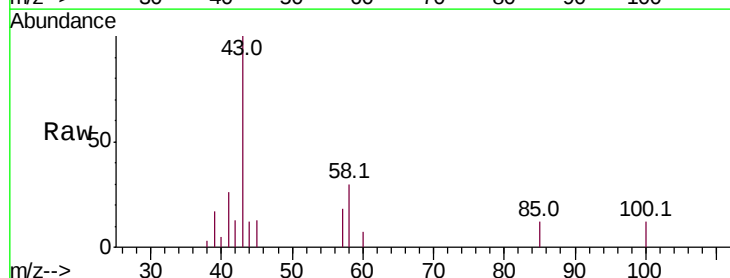
Acq: 25 Sep 2020 6:13

Tgt Ion: 43 Resp: 6432

Ion Ratio Lower Upper

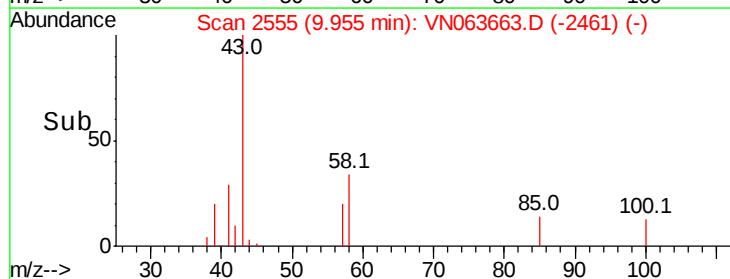
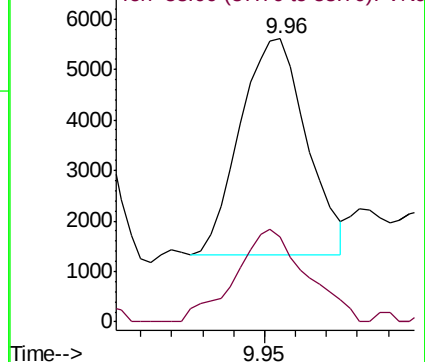
43 100

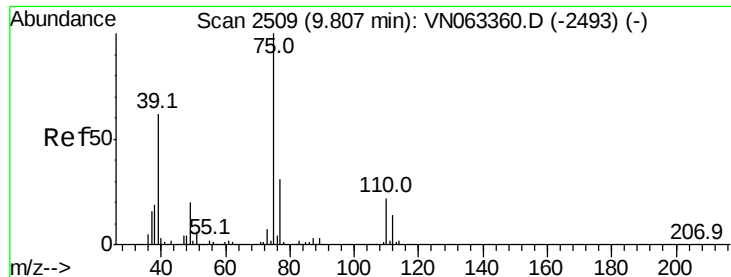
58 45.6 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#54

cis-1,3-Dichloropropene

Concen: 4.281 ug/l

RT: 9.88 min Scan# 2531

Delta R.T. 0.07 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-0102-0-92

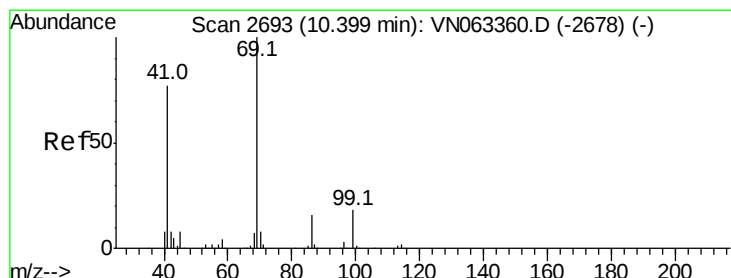
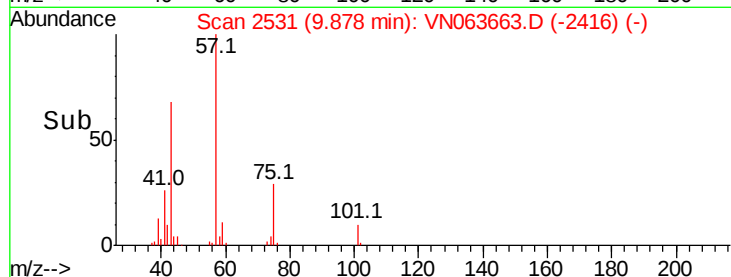
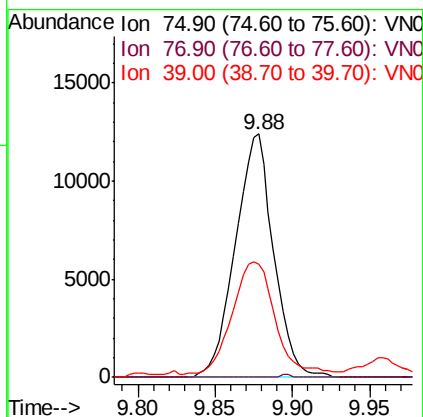
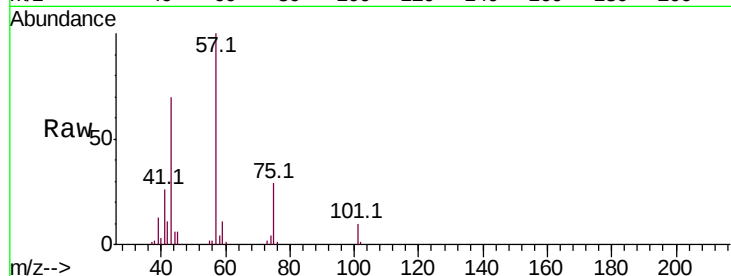
Tot Ion: 75 Resp: 21298

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 44.9 49.8 74.8#



#56

Ethyl methacrylate

Concen: 0.404 ug/l

RT: 10.52 min Scan# 2731

Delta R.T. 0.12 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

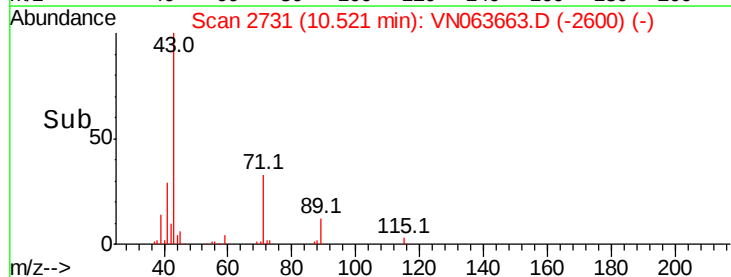
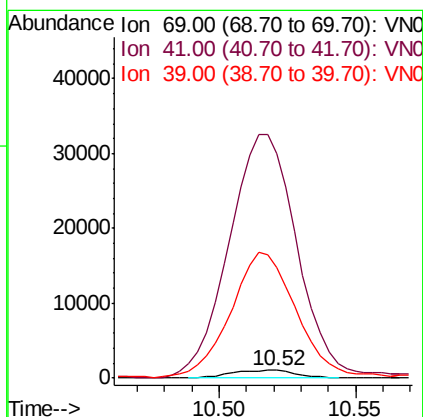
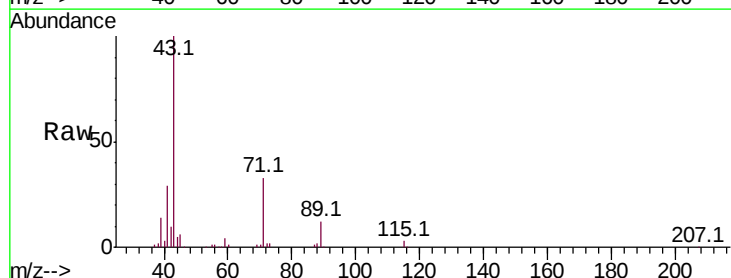
Tgt Ion: 69 Resp: 1711

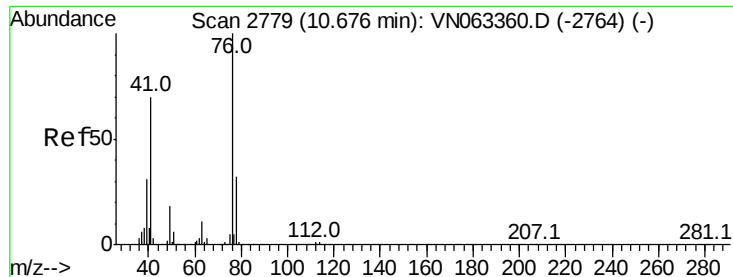
Ion Ratio Lower Upper

69 100

41 3343.5 61.0 91.6#

39 1649.2 39.2 58.8#





#57

1,3-Dichloropropane

Concen: 0.550 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

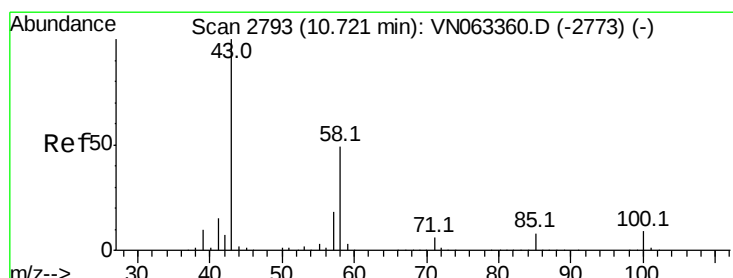
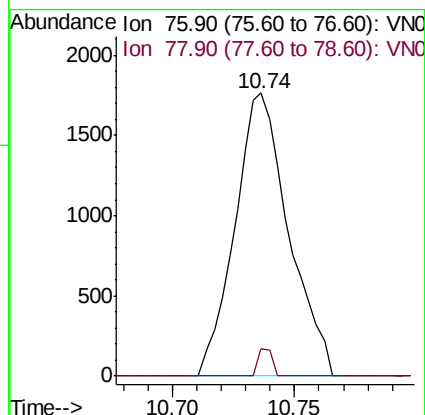
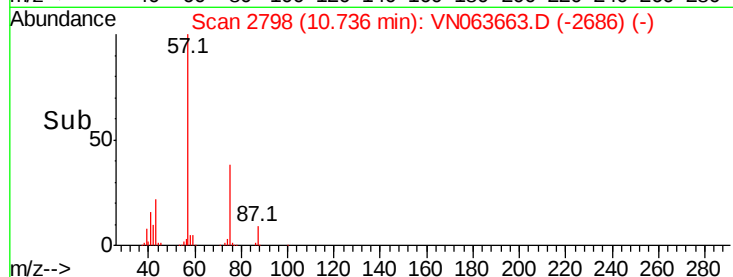
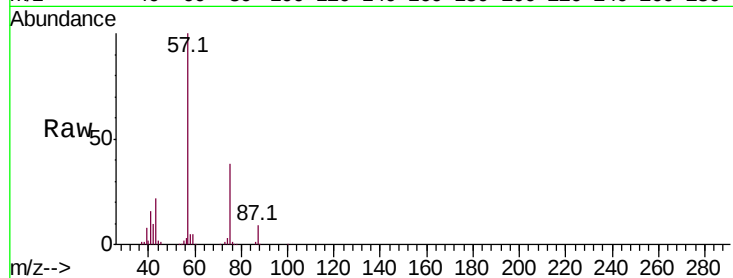
KTS-WC-S-0102-0-92

Tot Ion: 76 Resp: 2692

Ion Ratio Lower Upper

76 100

78 2.4 25.8 38.8#



#59

2-Hexanone

Concen: 16.390 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063663.D

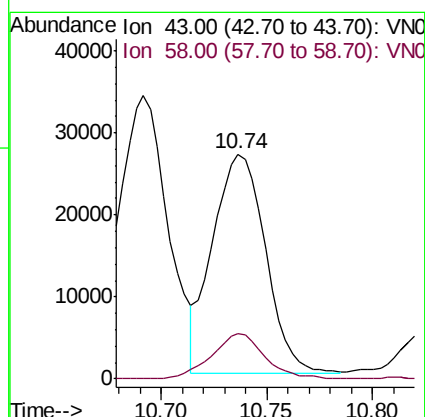
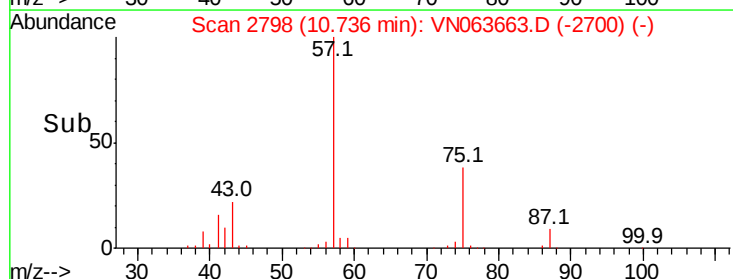
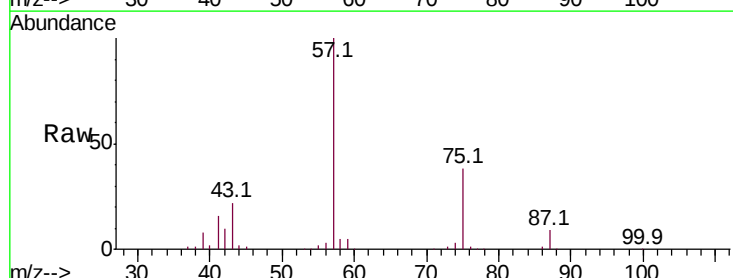
Acq: 25 Sep 2020 6:13

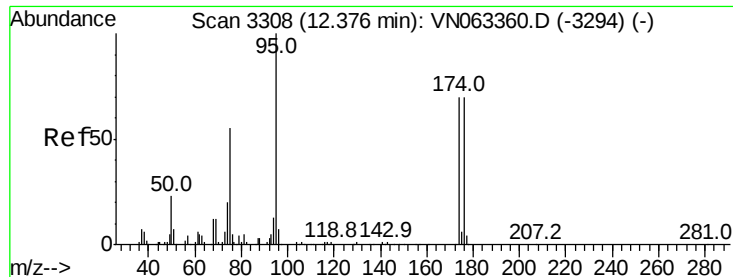
Tgt Ion: 43 Resp: 46432

Ion Ratio Lower Upper

43 100

58 20.6 24.7 74.1#

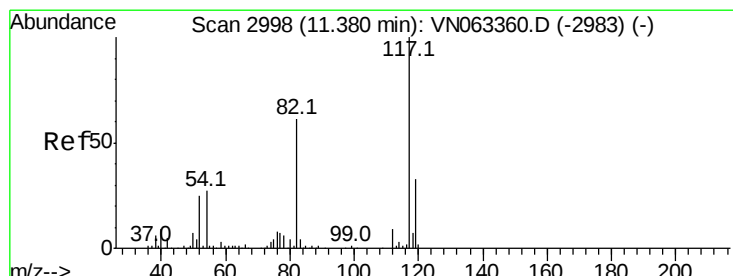
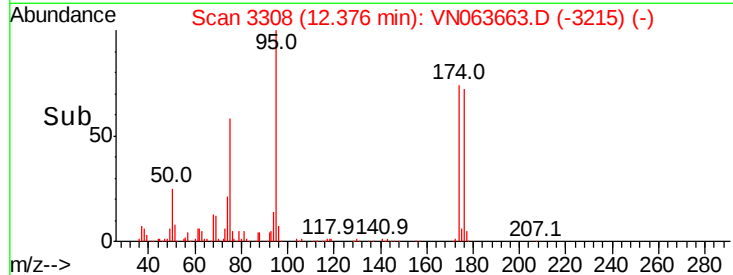
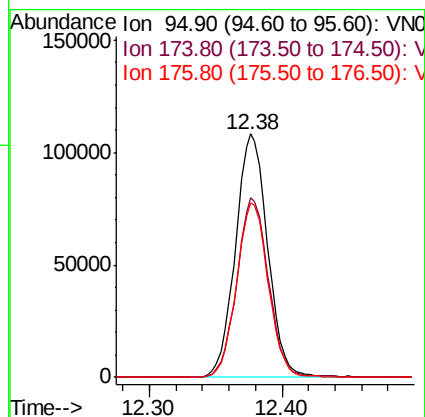
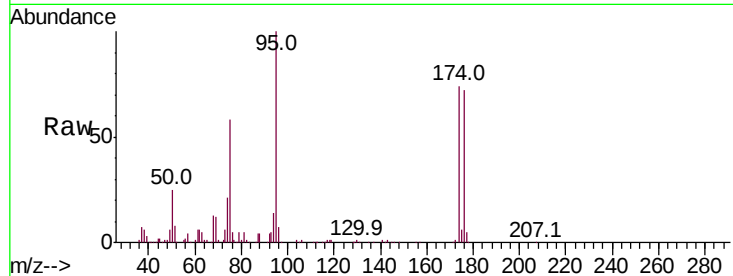




#62
4-Bromofluorobenzene
Concen: 51.120 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063663.D
Acq: 25 Sep 2020 6:13

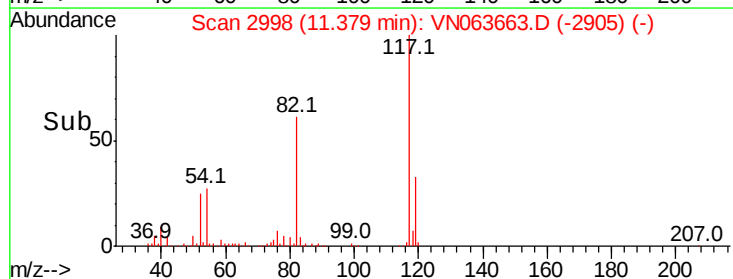
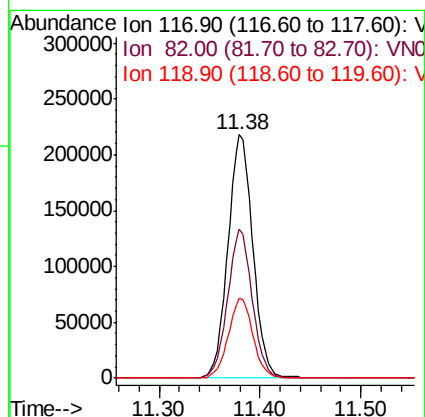
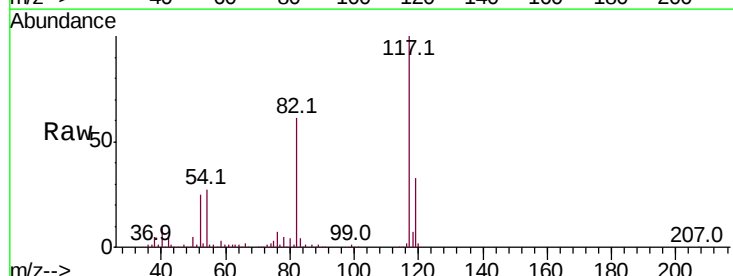
Instrument :
MSVOA_N
ClientSampleId :
KTS-WC-S-0102-0-92

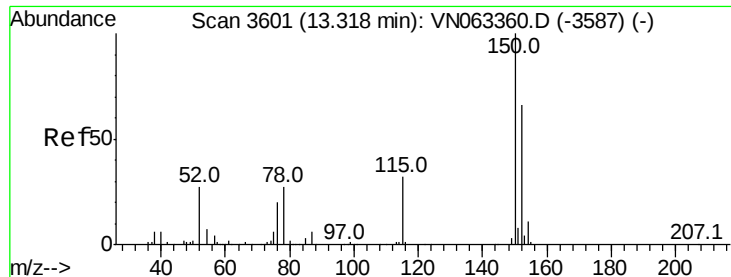
Tot Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	140.8
176	70.6	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063663.D
Acq: 25 Sep 2020 6:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.0	49.2	73.8
119	32.7	26.2	39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-0102-0-92

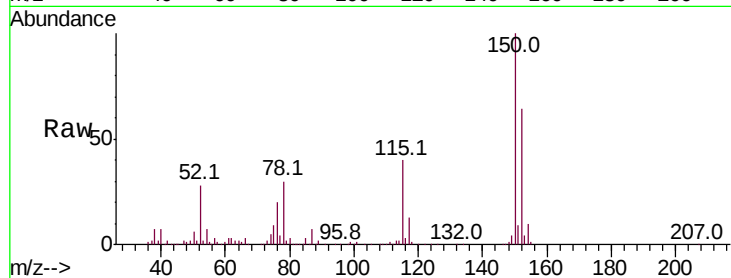
Tot Ion:152 Resp: 156958

Ion Ratio Lower Upper

152 100

115 63.2 32.2 96.6

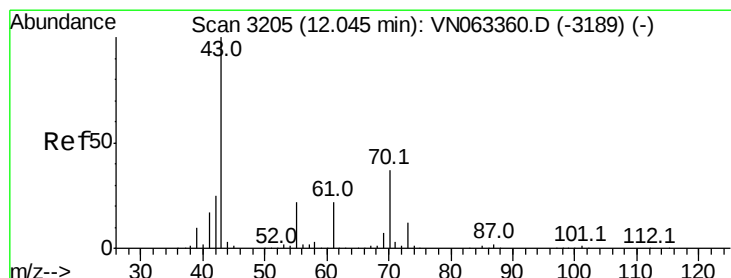
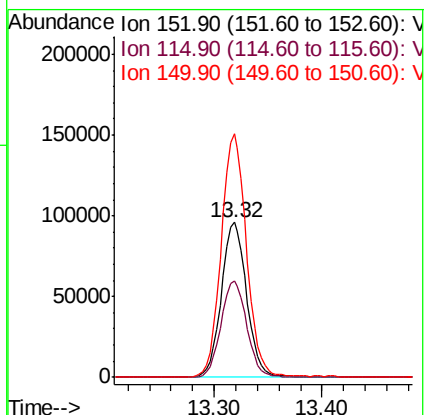
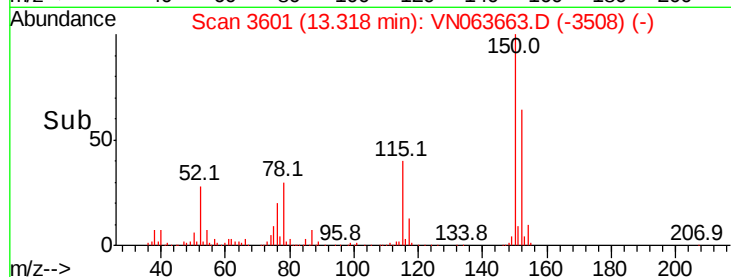
150 156.0 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.313 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Tgt Ion: 43 Resp: 1861

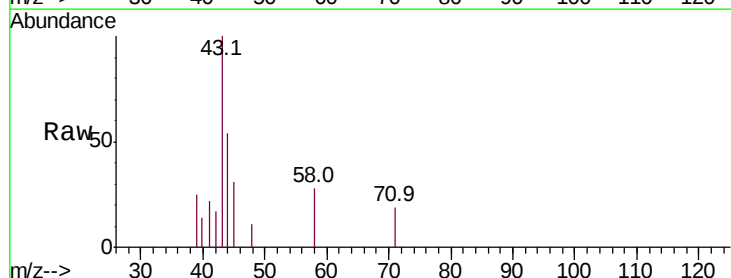
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 0.0 17.7 26.5#

61 0.0 17.4 26.2#

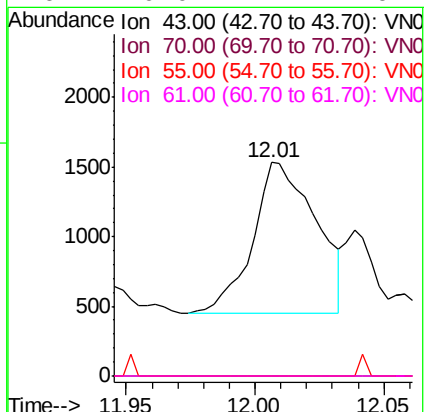
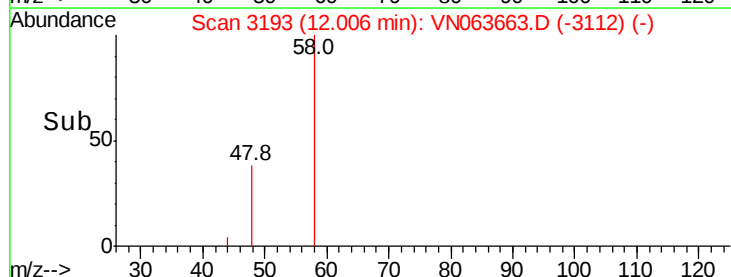


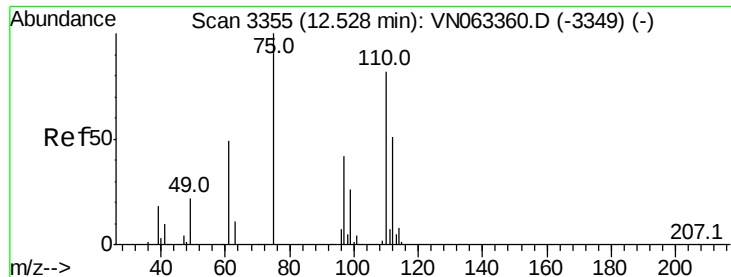
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 26.926 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

Instrument :

MSVOA_N

ClientSampleId :

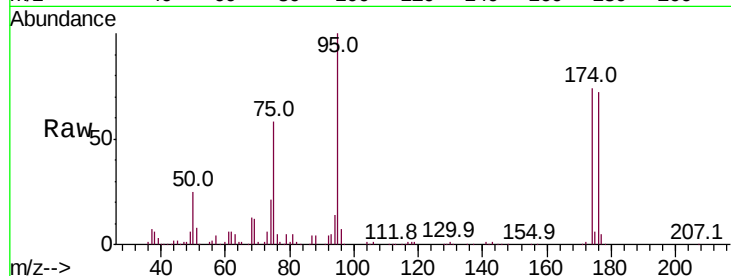
KTS-WC-S-0102-0-92

Tot Ion: 75 Resp: 104604

Ion Ratio Lower Upper

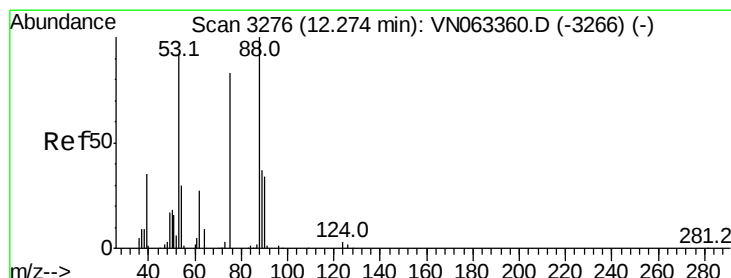
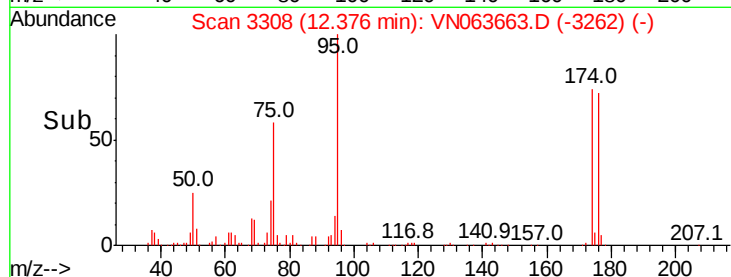
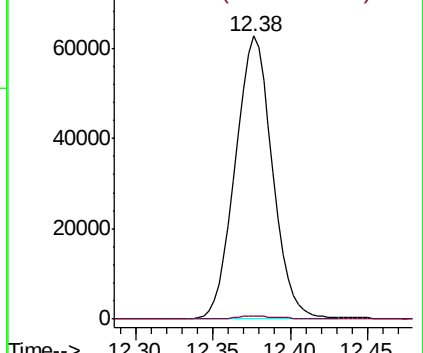
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 73.820 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063663.D

Acq: 25 Sep 2020 6:13

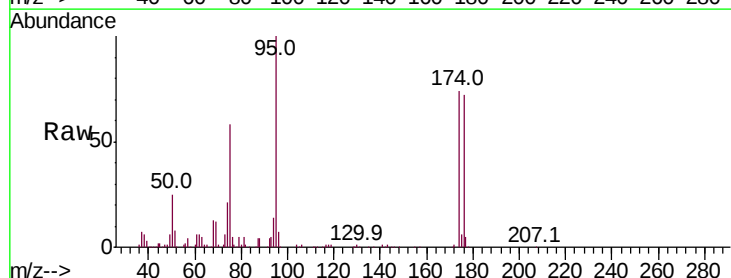
Tgt Ion: 75 Resp: 104604

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

