

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063469.D
 Acq On : 18 Sep 2020 19:48
 Operator : JC/MD
 Sample : L4075-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KTS-WC-S-IB-ST

Quant Time: Sep 21 01:36:56 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	234053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	447931	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	452185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	195752	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	197859	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	7.55	113	140791	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
50) Toluene-d8	10.06	98	574453	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.38	95	229787	53.76	ug/l	0.00
Spiked Amount			Recovery	=	107.52%	

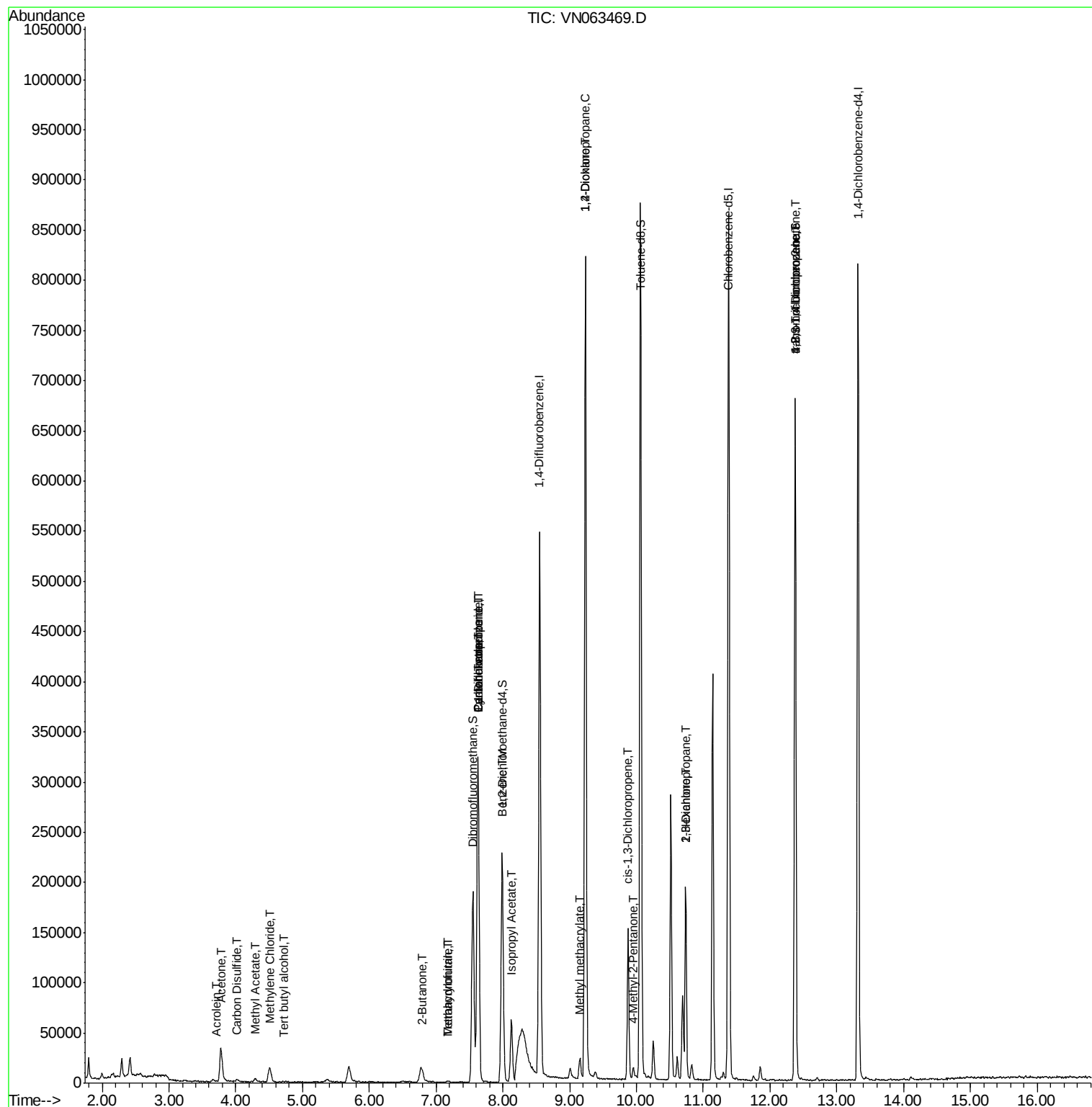
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	611	1.107	ug/l #	72
13) Acrolein	3.70	56	61	0.298	ug/l #	1
16) Acetone	3.78	43	60606	47.332	ug/l	98
17) Carbon Disulfide	4.01	76	2118	0.276	ug/l #	75
18) Methyl Acetate	4.29	43	4246	1.306	ug/l #	80
20) Methylene Chloride	4.51	84	9833	3.031	ug/l	86
25) 2-Butanone	6.80	43	9641	4.896	ug/l	95
29) Tetrahydrofuran	7.17	42	1135	0.844	ug/l #	36
31) Cyclohexane	7.62	56	7854	1.427	ug/l #	29
36) 1,1-Dichloropropene	7.63	75	22775	4.773	ug/l #	46
38) Carbon Tetrachloride	7.63	117	26238	5.386	ug/l #	17
40) Benzene	8.00	78	3929	0.288	ug/l	99
41) Methacrylonitrile	7.16	41	442	0.210	ug/l #	100
43) Isopropyl Acetate	8.13	43	74402	8.884	ug/l	99
45) 1,2-Dichloropropane	9.23	63	1023	0.276	ug/l #	43
48) Methyl methacrylate	9.14	41	4094	0.995	ug/l #	15
49) 1,4-Dioxane	9.23	88	130	2.202	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	8188	1.746	ug/l	90
54) cis-1,3-Dichloropropene	9.87	75	25006	4.192	ug/l #	61
57) 1,3-Dichloropropane	10.74	76	1591	0.271	ug/l #	42
59) 2-Hexanone	10.74	43	30708	9.041	ug/l #	55
76) 1,2,3-Trichloropropane	12.38	75	128987	26.622	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	128987	72.987	ug/l #	7

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

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

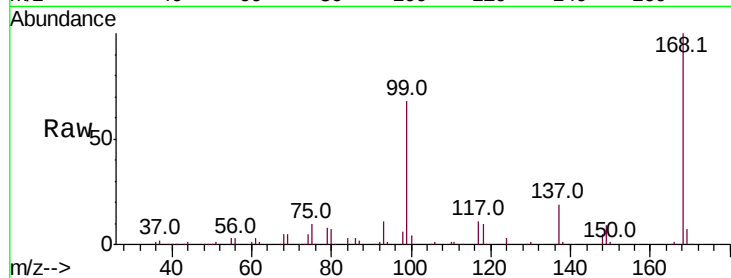
KTS-WC-S-IB-ST

Tot Ion:168 Resp: 234053

Ion Ratio Lower Upper

168 100

99 67.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

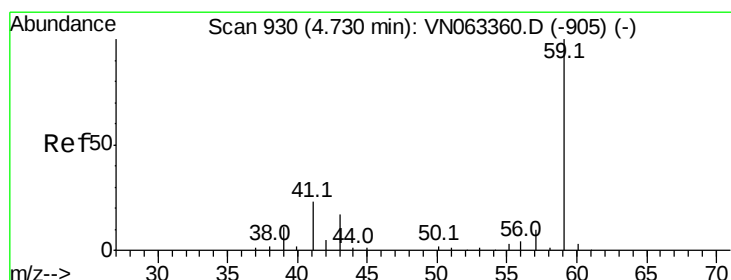
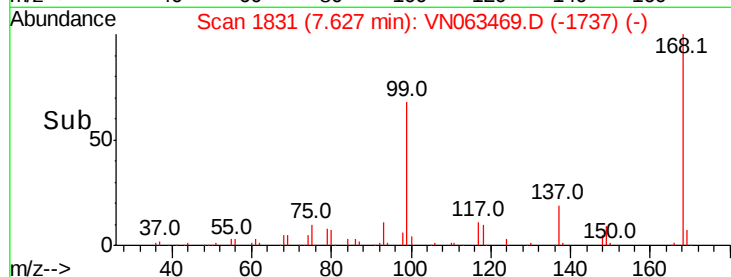
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.107 ug/l

RT: 4.71 min Scan# 924

Delta R.T. -0.02 min

Lab File: VN063469.D

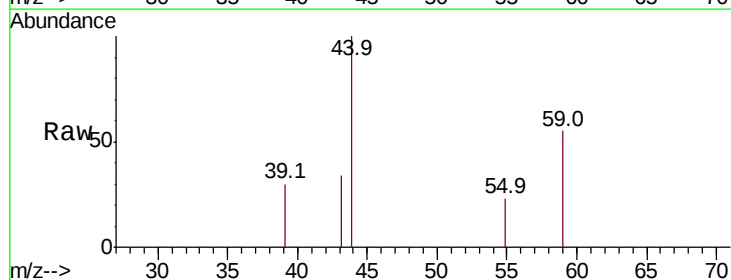
Acq: 18 Sep 2020 19:48

Tgt Ion: 59 Resp: 611

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

400

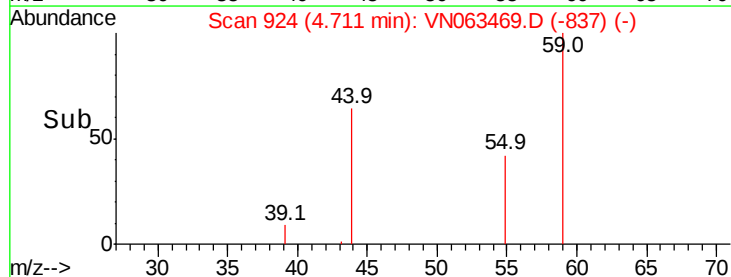
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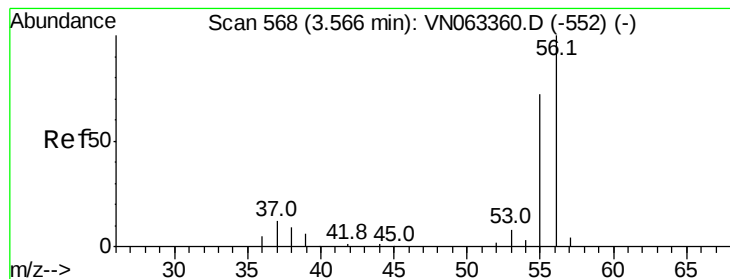
200

100

0

Time-->





#13

Acrolein

Concen: 0.298 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.13 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

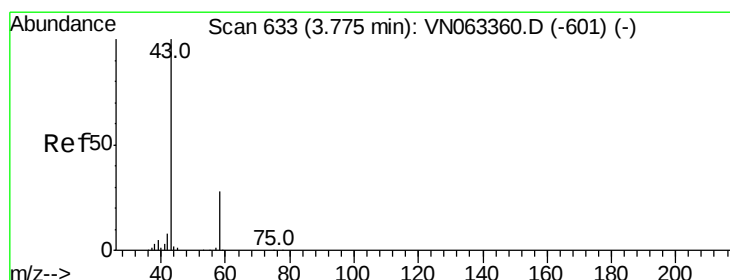
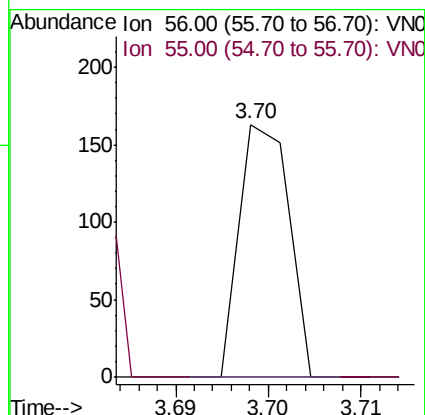
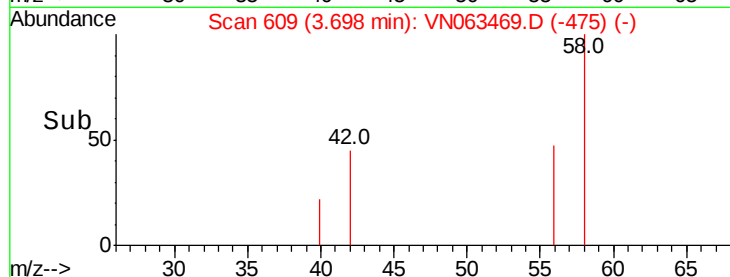
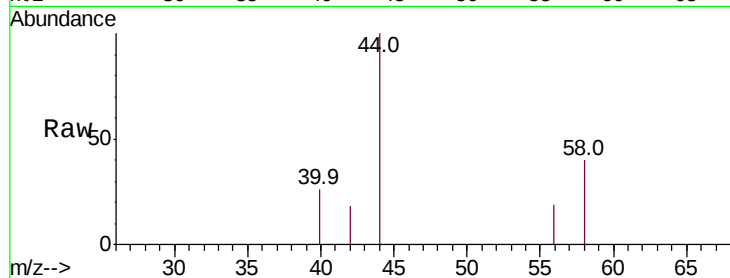
KTS-WC-S-IB-ST

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 170.5 58.2 87.2#



#16

Acetone

Concen: 47.332 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063469.D

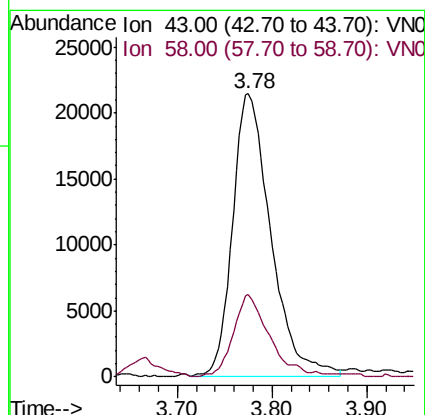
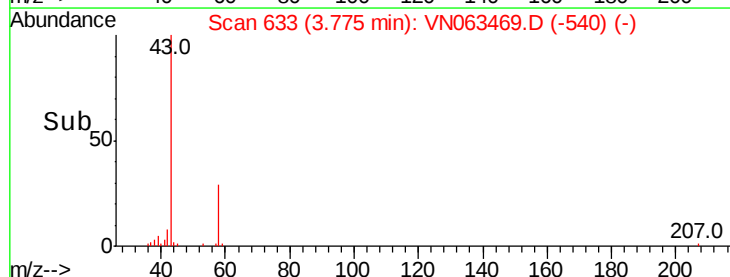
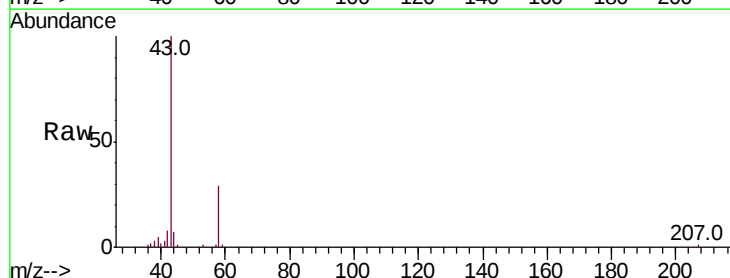
Acq: 18 Sep 2020 19:48

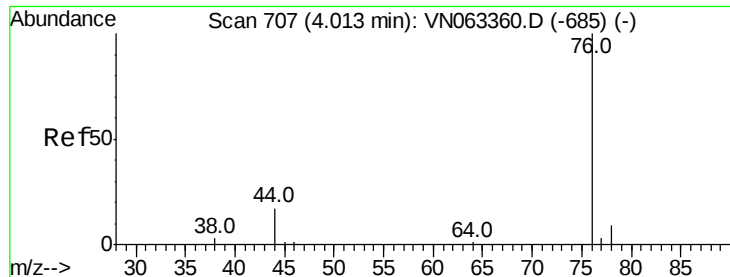
Tgt Ion: 43 Resp: 60606

Ion Ratio Lower Upper

43 100

58 29.0 22.3 33.5

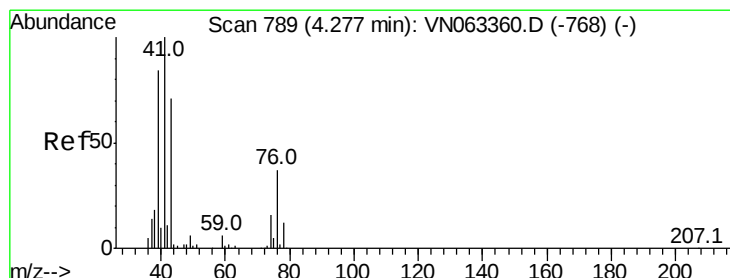
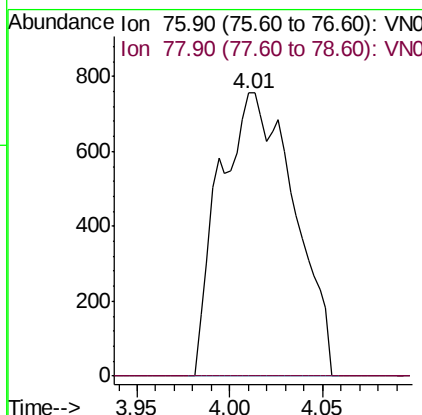
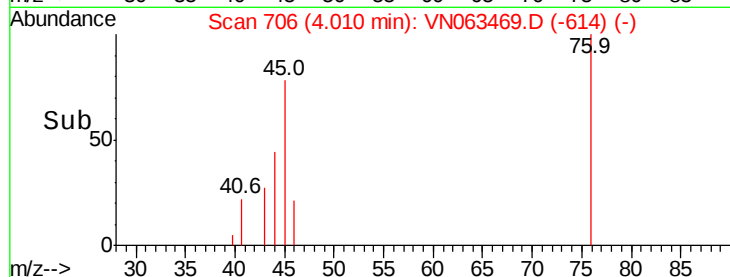
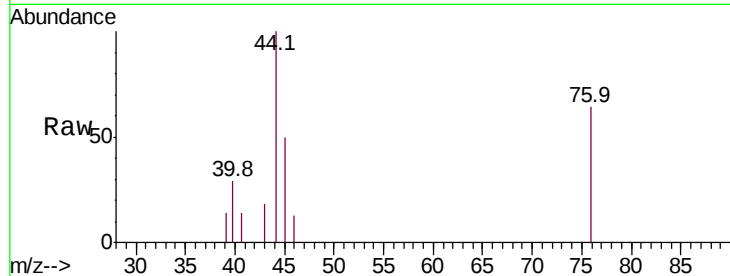




#17
Carbon Disulfide
Concen: 0.276 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063469.D
Acq: 18 Sep 2020 19:48

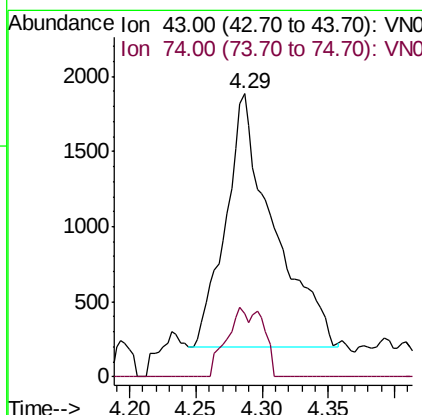
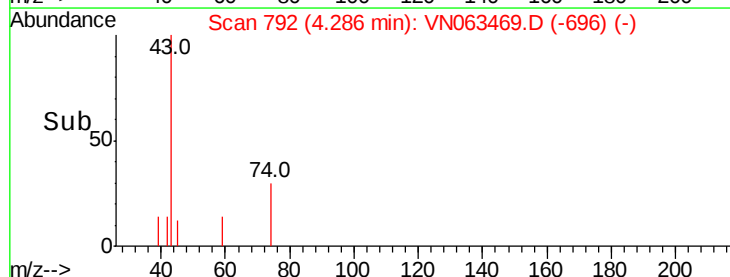
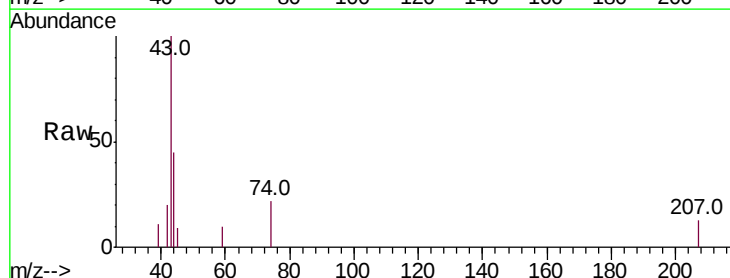
Instrument :
MSVOA_N
ClientSampleId :
KTS-WC-S-IB-ST

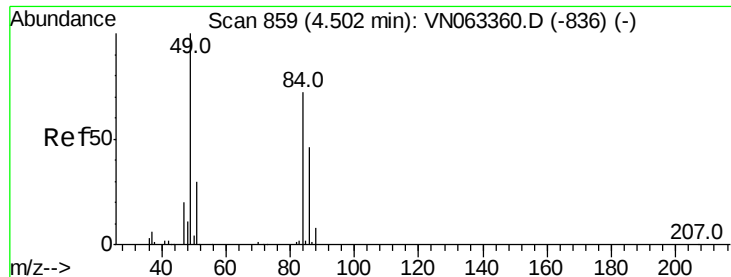
Tot Ion: 76 Resp: 2118
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.306 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063469.D
Acq: 18 Sep 2020 19:48

Tgt Ion: 43 Resp: 4246
Ion Ratio Lower Upper
43 100
74 12.5 17.4 26.2#





#20

Methvlene Chloride

Concen: 3.031 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-IB-ST

Tot Ion: 84 Resp: 9833

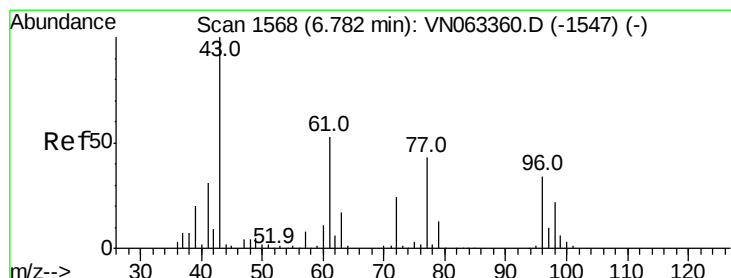
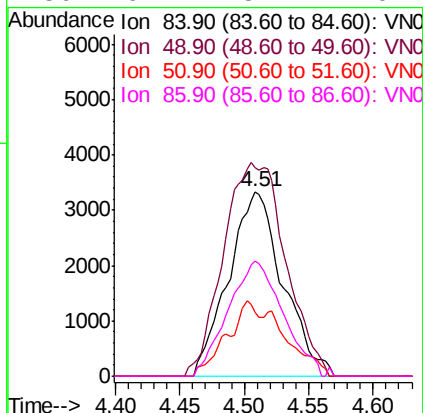
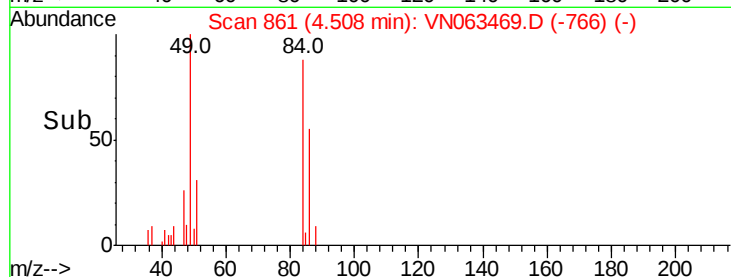
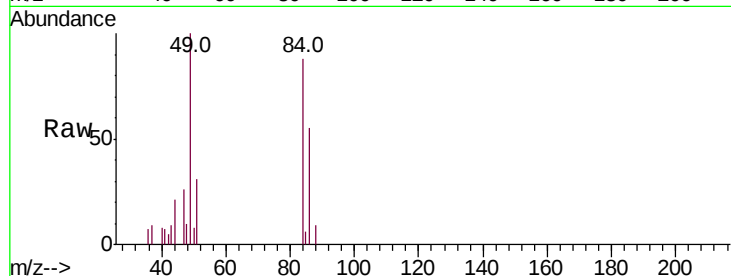
Ion Ratio Lower Upper

84 100

49 113.4 110.7 166.1

51 34.9 32.9 49.3

86 62.4 51.1 76.7



#25

2-Butanone

Concen: 4.896 ug/l

RT: 6.80 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN063469.D

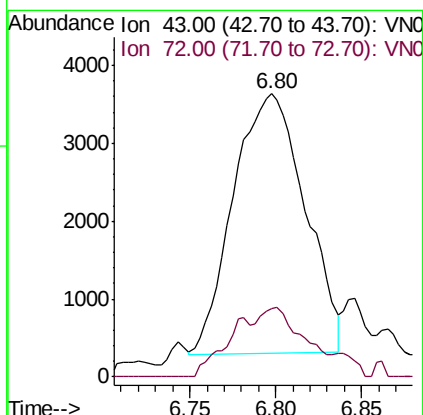
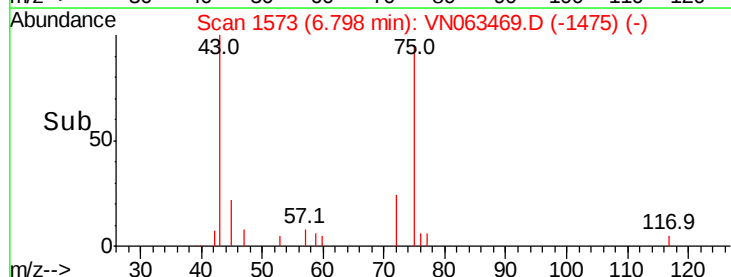
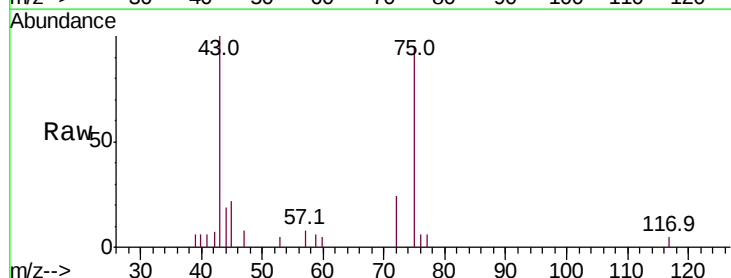
Acq: 18 Sep 2020 19:48

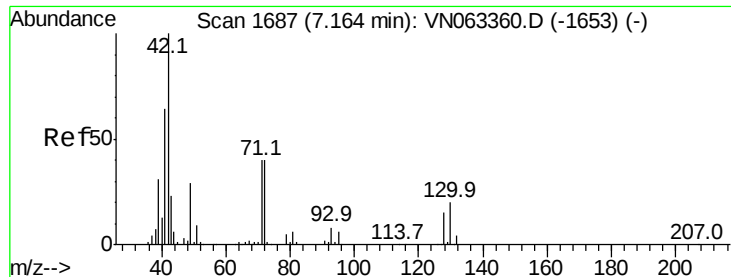
Tgt Ion: 43 Resp: 9641

Ion Ratio Lower Upper

43 100

72 26.4 19.2 28.8





#29

Tetrahydrofuran

Concen: 0.844 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

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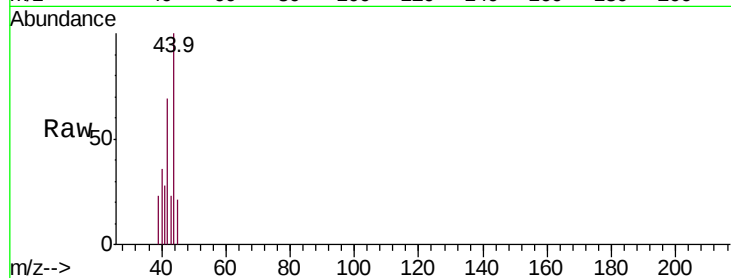
Tot Ion: 42 Resp: 1135

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

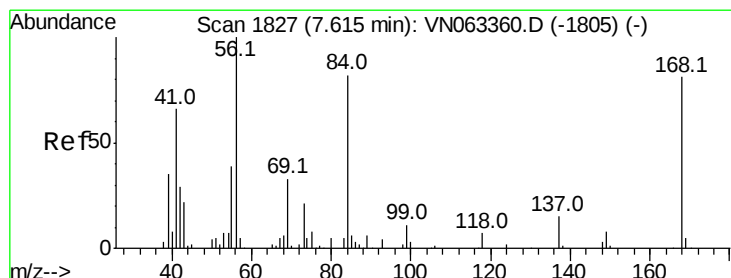
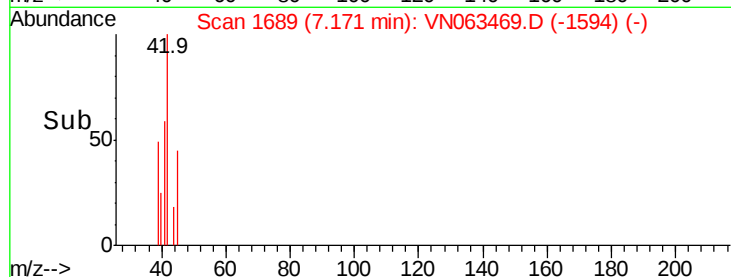
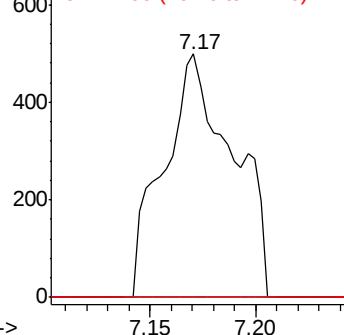
71 0.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.427 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

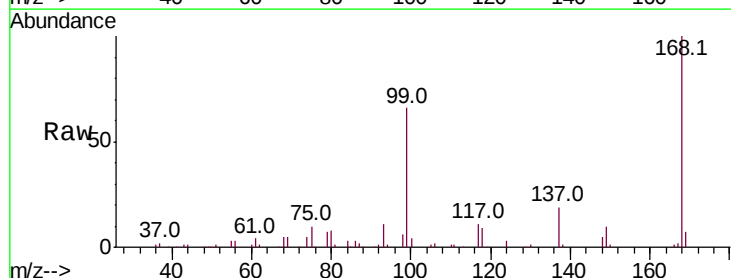
Tgt Ion: 56 Resp: 7854

Ion Ratio Lower Upper

56 100

69 143.5 26.1 39.1#

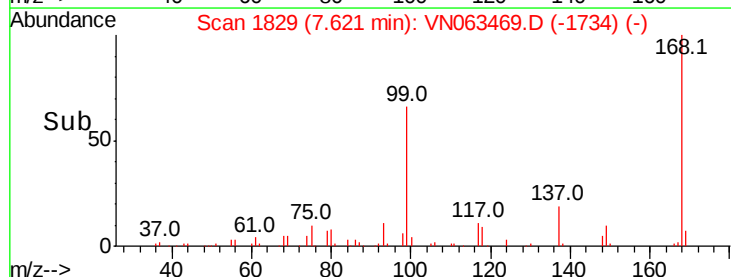
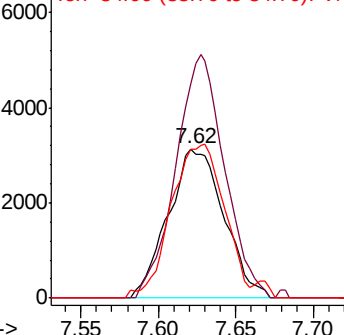
84 99.7 65.4 98.2#

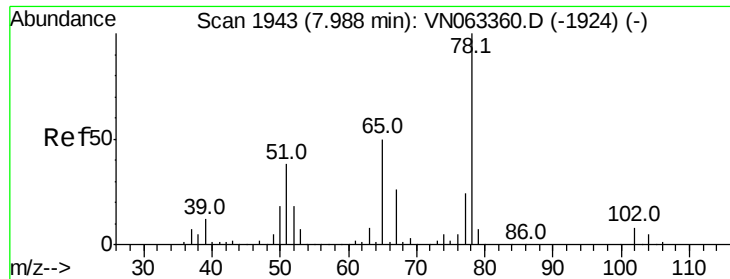


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

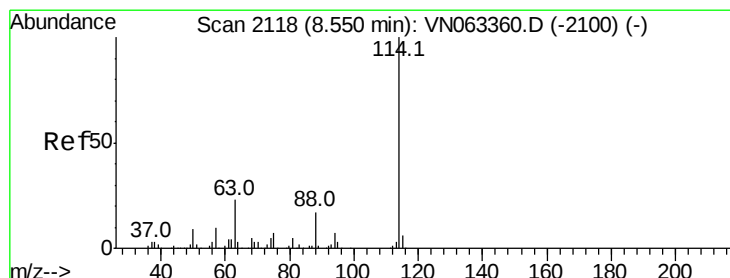
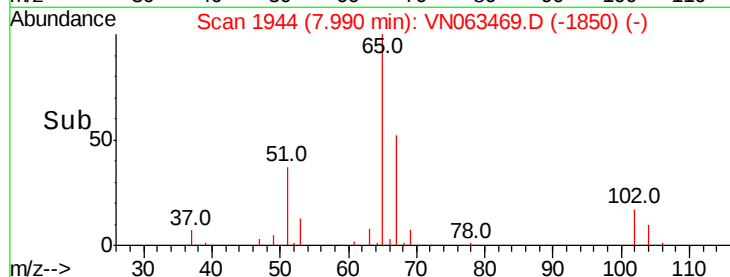
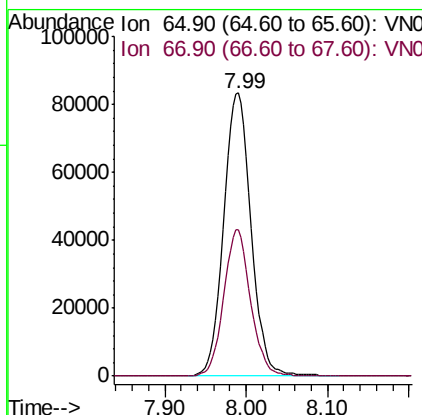
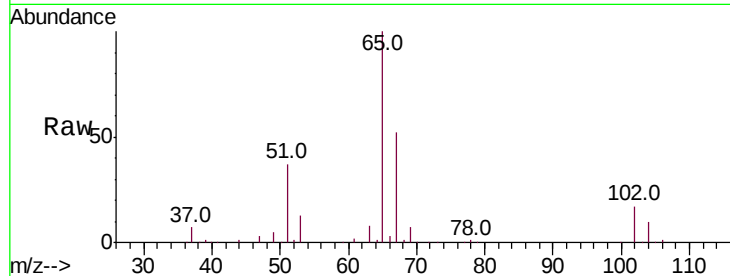




#33
 1,2-Dichloroethane-d4
 Concen: 49.661 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063469.D
 Acq: 18 Sep 2020 19:48

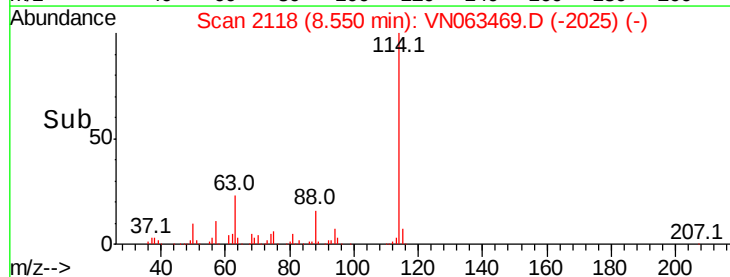
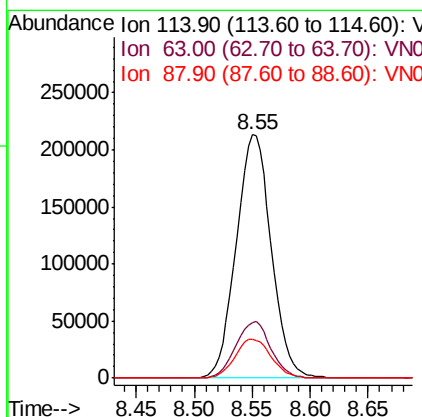
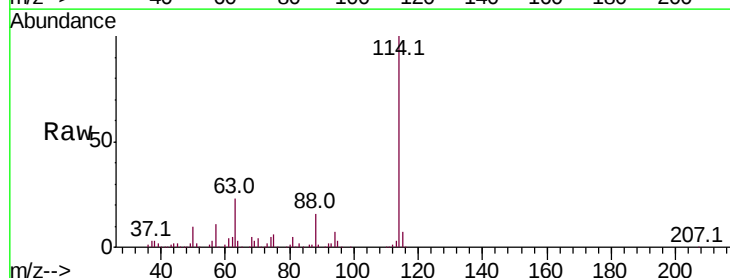
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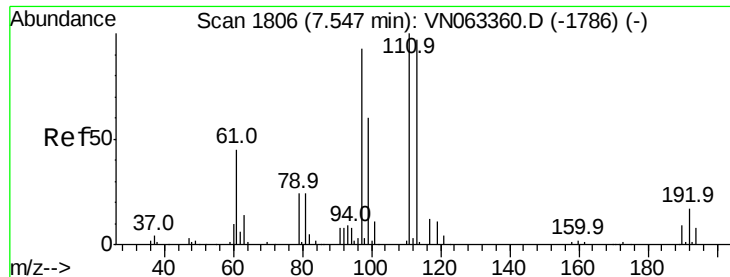
Tot Ion: 65 Resp: 197859
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063469.D
 Acq: 18 Sep 2020 19:48

Tgt Ion: 114 Resp: 447931
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.4
 88 15.9 0.0 33.2

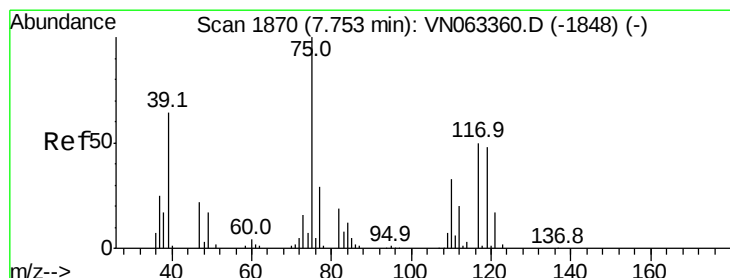
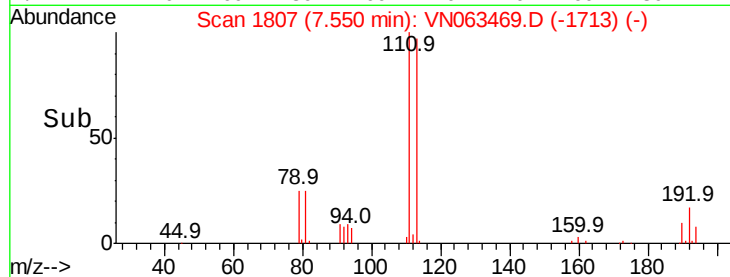
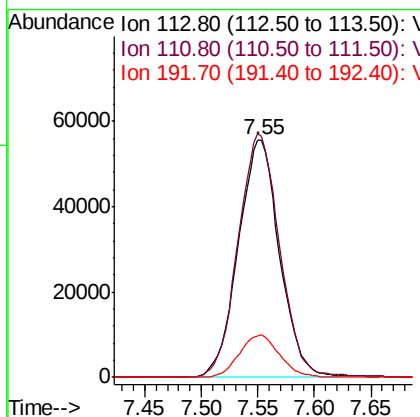
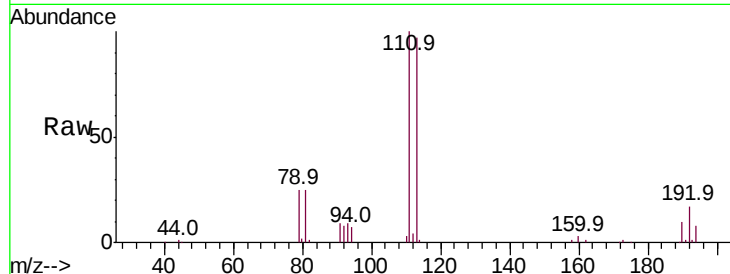




#35
 Dibromofluoromethane
 Concen: 45.403 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063469.D
 Acq: 18 Sep 2020 19:48

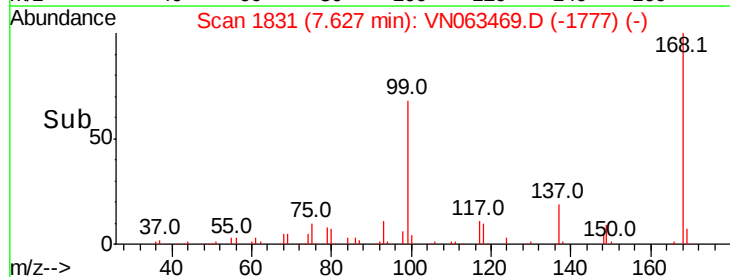
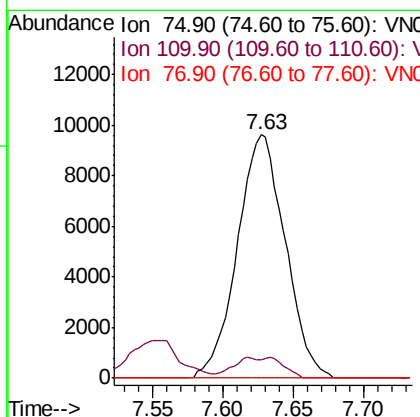
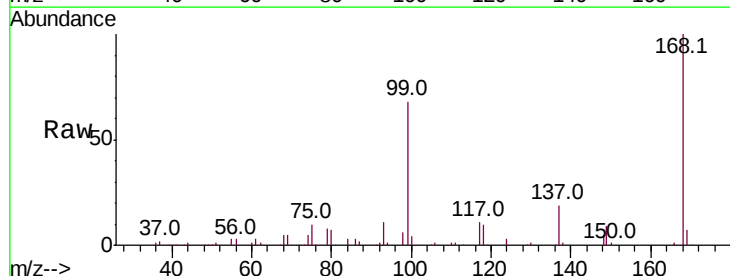
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 MSVOA_N
 ClientSampleId :
 KTS-WC-S-IB-ST

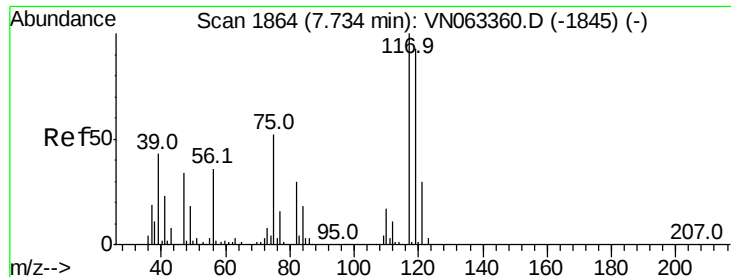
Tot Ion:113 Resp: 140791
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.9 124.3
 192 17.5 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.773 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063469.D
 Acq: 18 Sep 2020 19:48

Tgt Ion: 75 Resp: 22775
 Ion Ratio Lower Upper
 75 100
 110 3.5 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.386 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-IB-ST

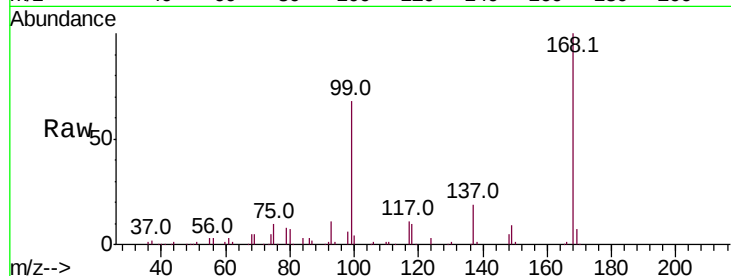
Tot Ion:117 Resp: 26238

Ion Ratio Lower Upper

117 100

119 4.4 74.5 111.7#

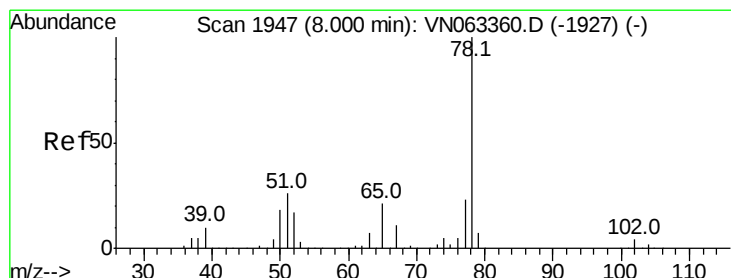
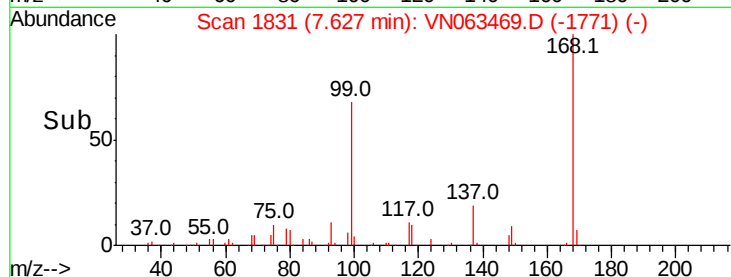
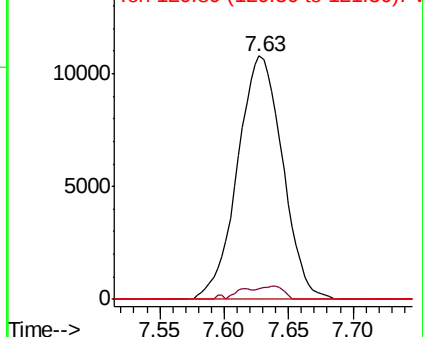
121 0.0 24.1 36.1#



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



#40

Benzene

Concen: 0.288 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN063469.D

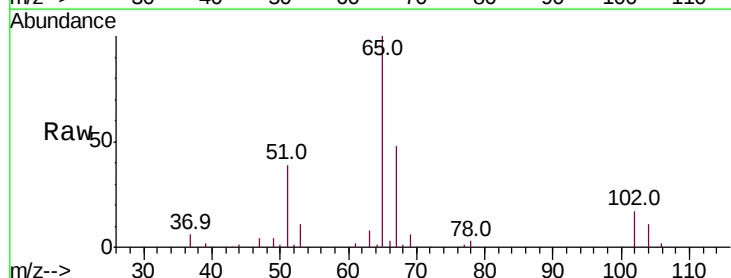
Acq: 18 Sep 2020 19:48

Tgt Ion: 78 Resp: 3929

Ion Ratio Lower Upper

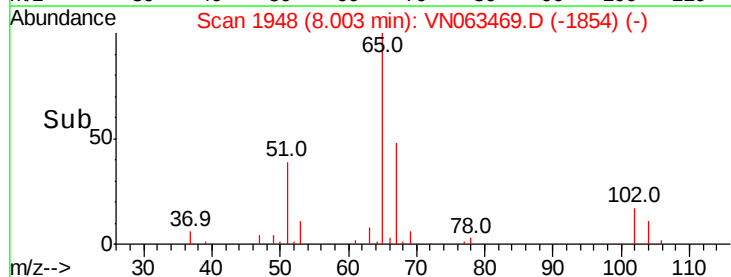
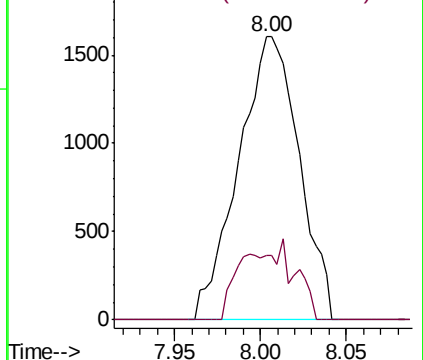
78 100

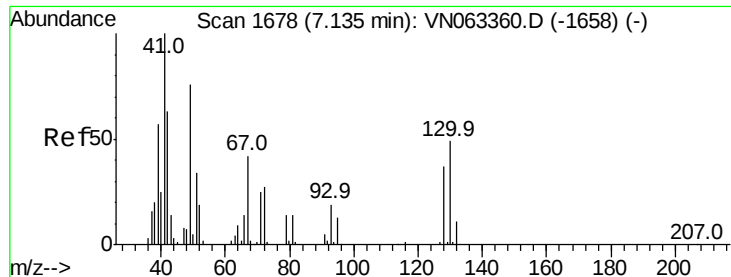
77 22.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

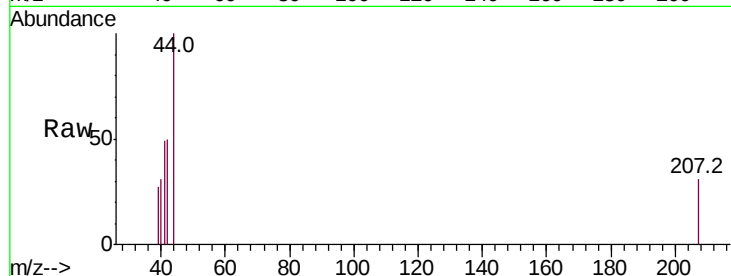




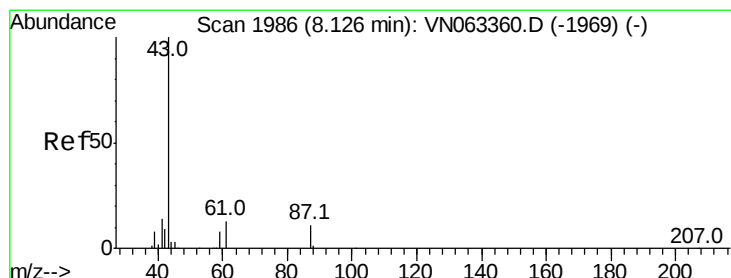
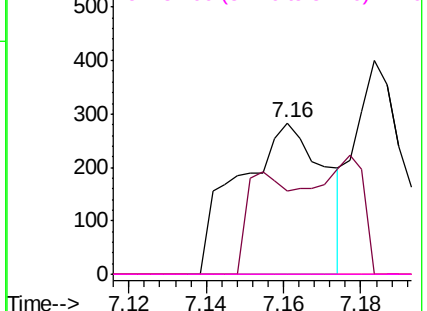
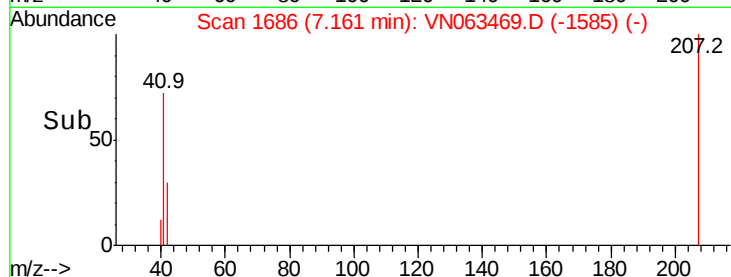
#41
Methacrylonitrile
Concen: 0.210 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN063469.D
Acq: 18 Sep 2020 19:48

Instrument :
MSVOA_N
ClientSampleId :
KTS-WC-S-IB-ST

Tot Ion:	41	Resp:	442
Ion	Ratio	Lower	Upper
41	100		
39	37.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

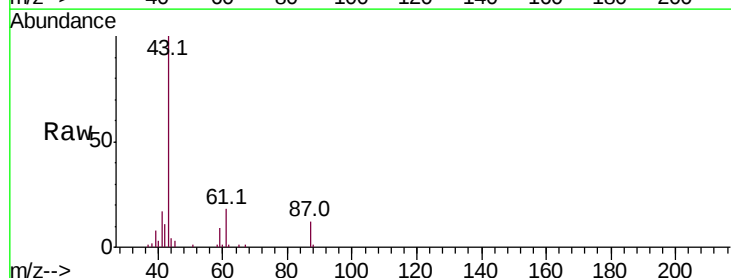


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

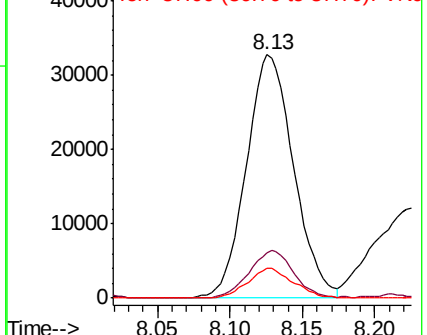
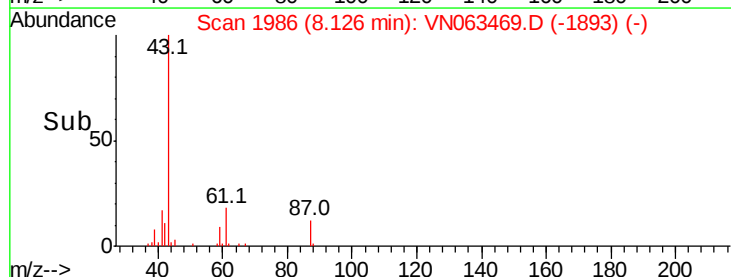


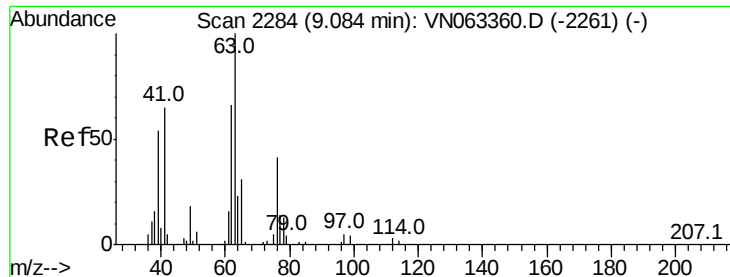
#43
Isopropyl Acetate
Concen: 8.884 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063469.D
Acq: 18 Sep 2020 19:48

Tgt Ion:	43	Resp:	74402
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.2
87	11.7	9.0	13.6



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC





#45

1,2-Dichloropropane

Concen: 0.276 ug/l

RT: 9.23 min Scan# 2329

Delta R.T. 0.14 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

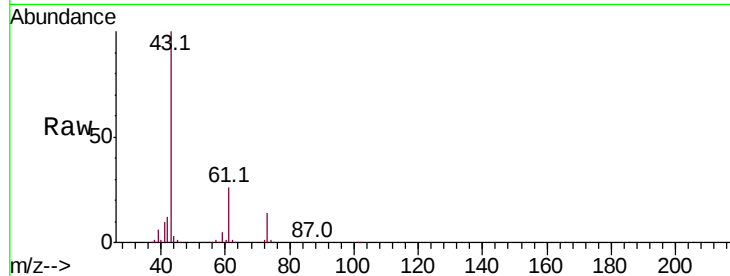
KTS-WC-S-IB-ST

Tot Ion: 63 Resp: 1023

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

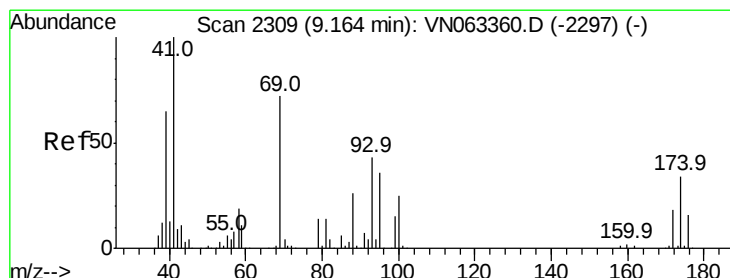
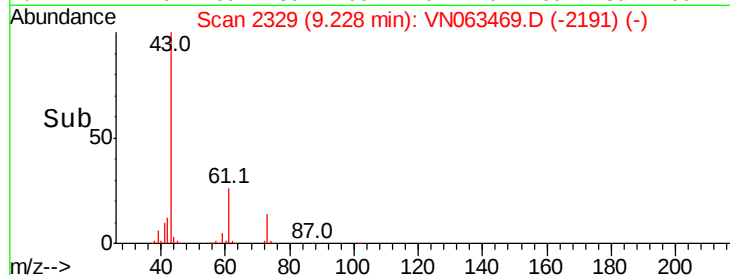
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 0.995 ug/l

RT: 9.14 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

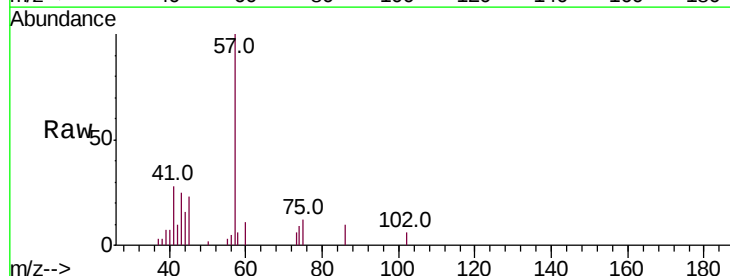
Tgt Ion: 41 Resp: 4094

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

50000

40000

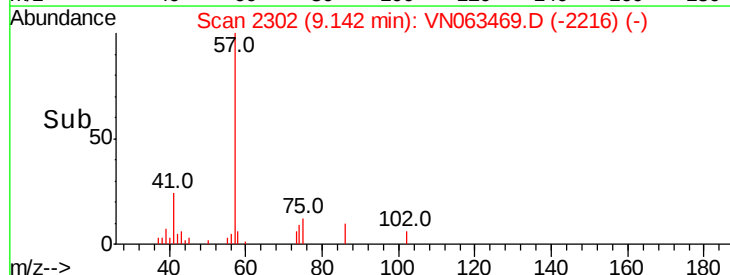
30000

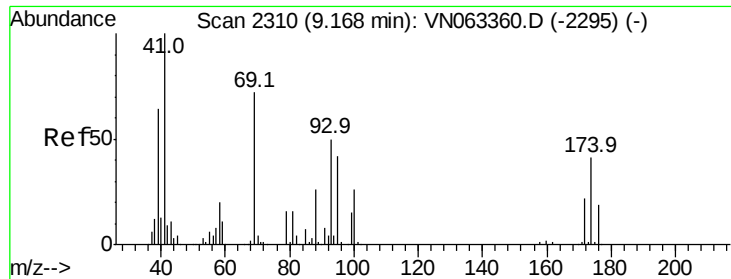
20000

10000

0

Time-->





#49

1,4-Dioxane

Concen: 2.202 ug/l

RT: 9.23 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-IB-ST

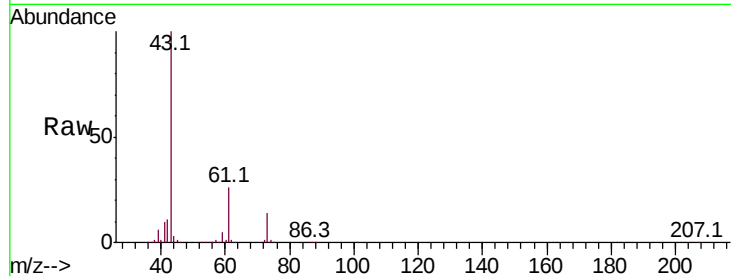
Tot Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

43 636030.0 32.6 49.0#

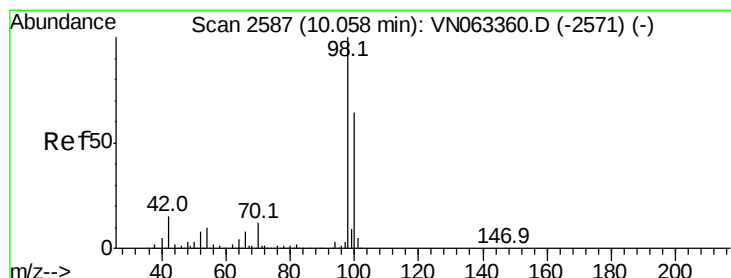
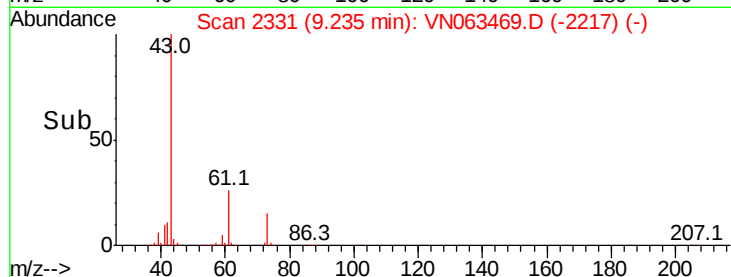
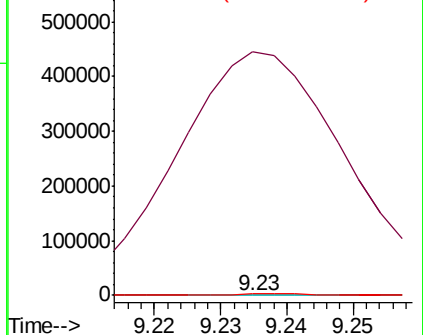
58 2904.6 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.267 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063469.D

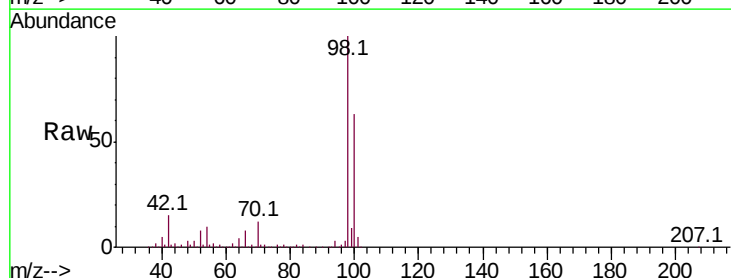
Acq: 18 Sep 2020 19:48

Tgt Ion: 98 Resp: 574453

Ion Ratio Lower Upper

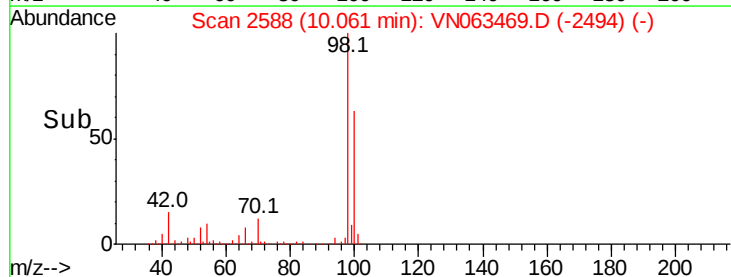
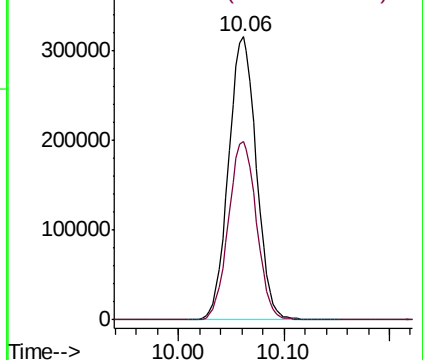
98 100

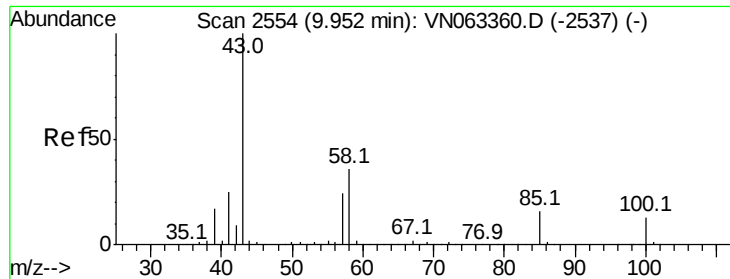
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.746 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

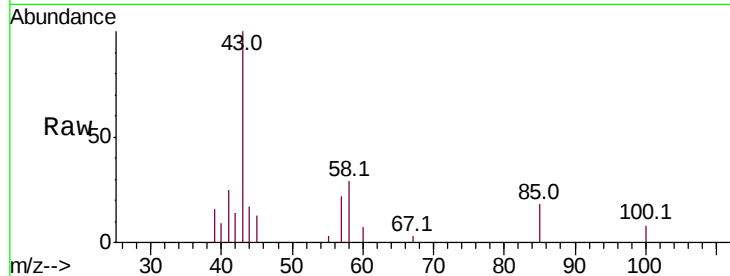
KTS-WC-S-IB-ST

Tot Ion: 43 Resp: 8188

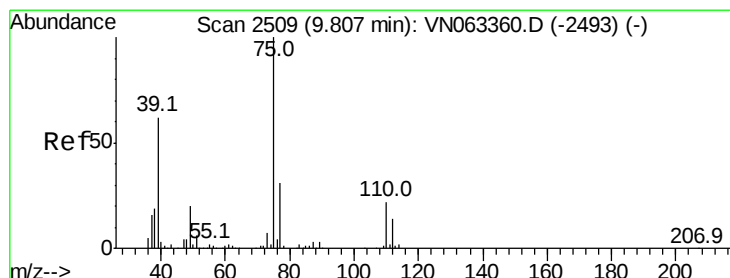
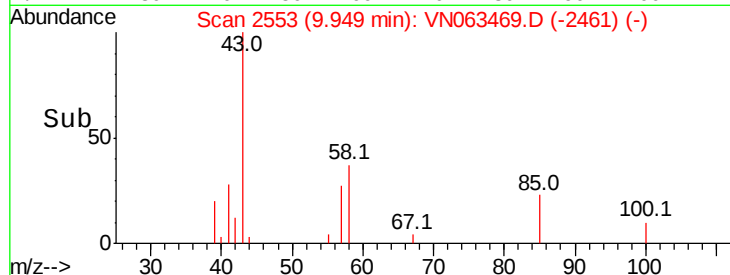
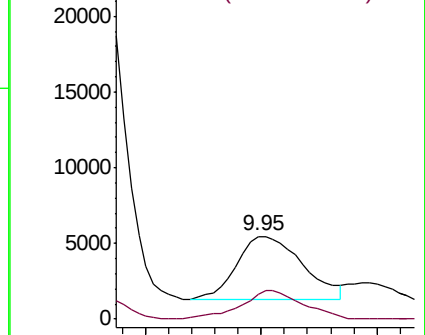
Ion Ratio Lower Upper

43 100

58 42.5 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)



#54

cis-1,3-Dichloropropene

Concen: 4.192 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

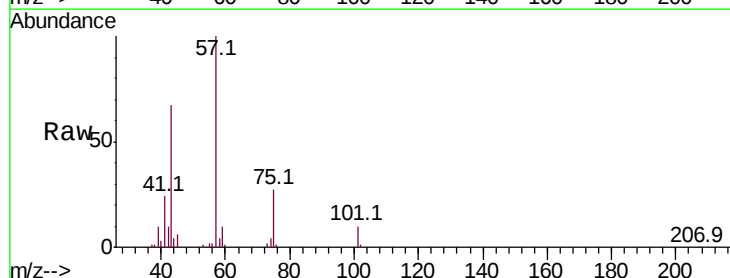
Tgt Ion: 75 Resp: 25006

Ion Ratio Lower Upper

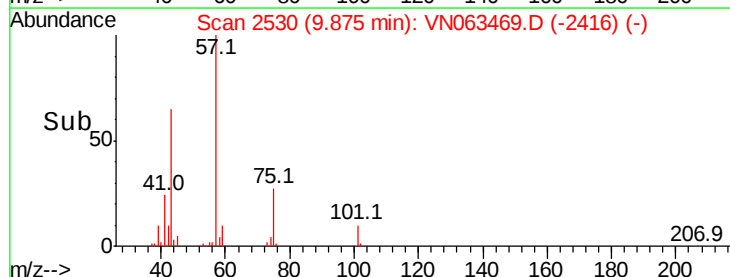
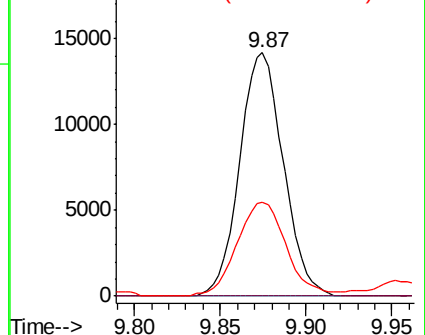
75 100

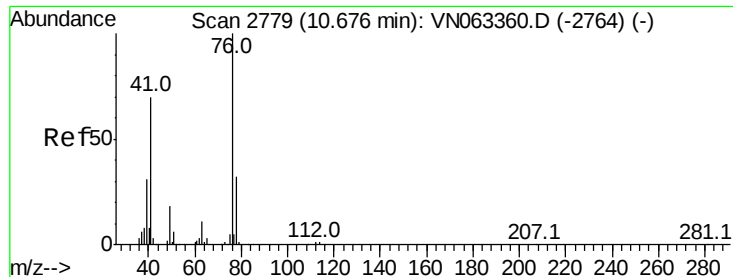
77 0.0 24.6 37.0#

39 38.5 49.8 74.8#



Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-2493) (-)





#57

1,3-Dichloropropane

Concen: 0.271 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

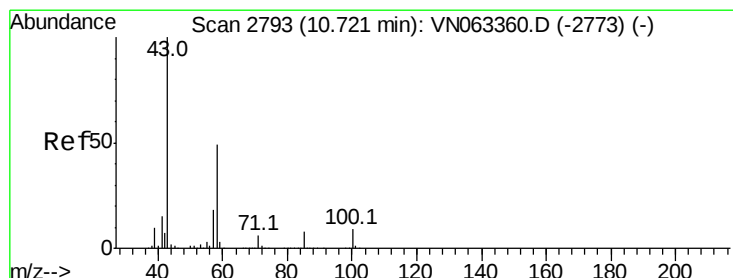
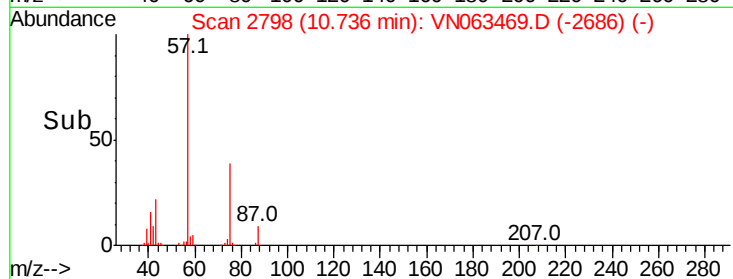
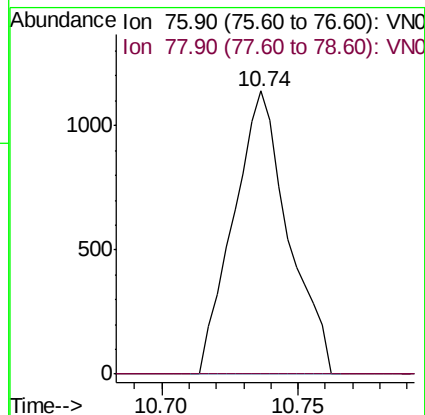
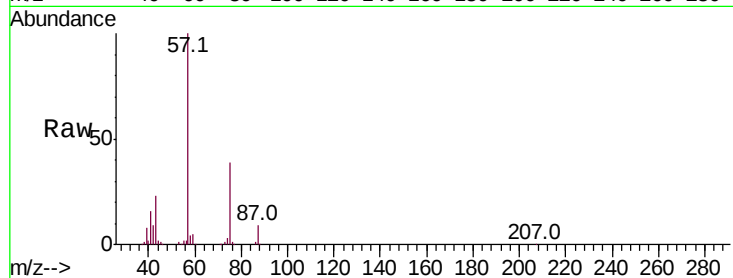
KTS-WC-S-IB-ST

Tot Ion: 76 Resp: 1591

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 9.041 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063469.D

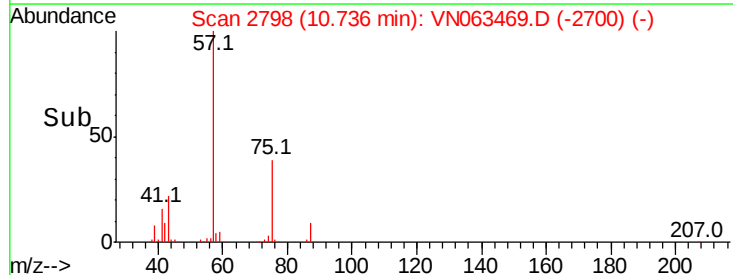
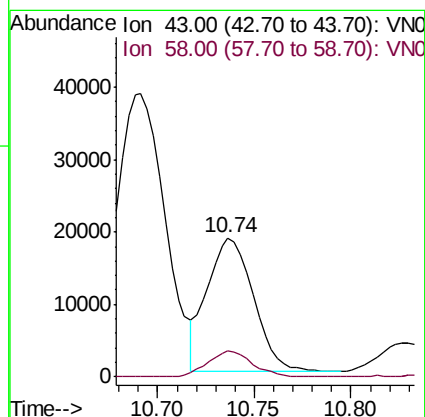
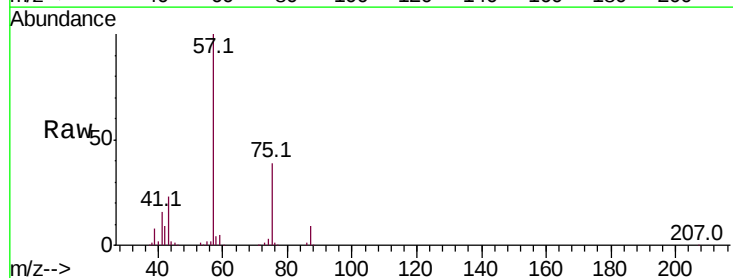
Acq: 18 Sep 2020 19:48

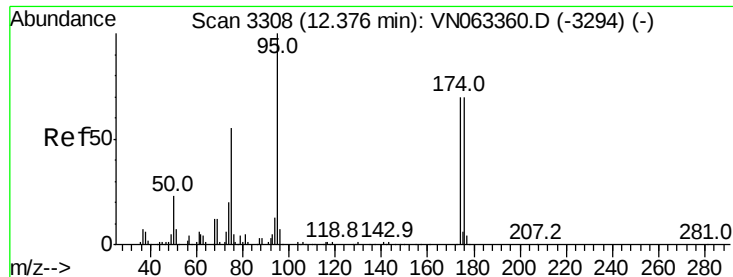
Tgt Ion: 43 Resp: 30708

Ion Ratio Lower Upper

43 100

58 18.5 24.7 74.1#





#62

4-Bromofluorobenzene

Concen: 53.759 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-IB-ST

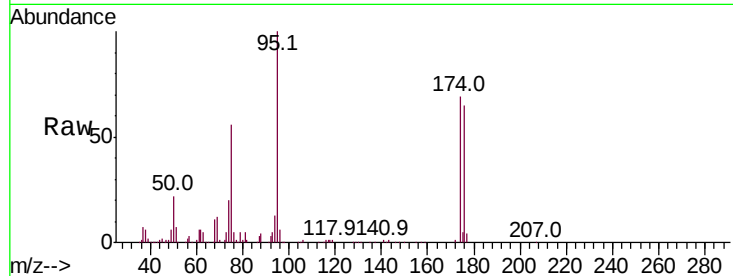
Tot Ion: 95 Resp: 229787

Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.8

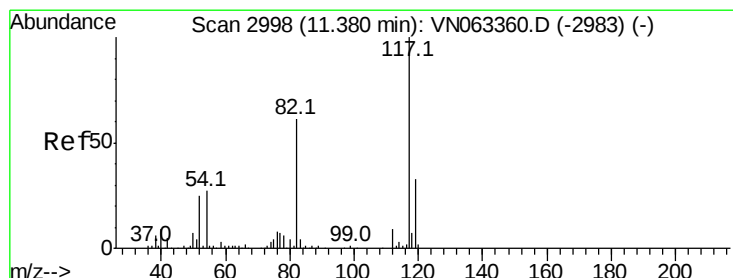
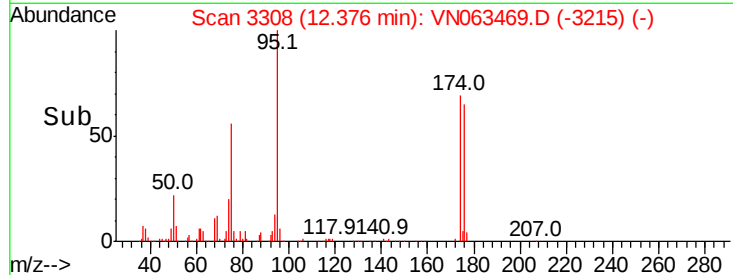
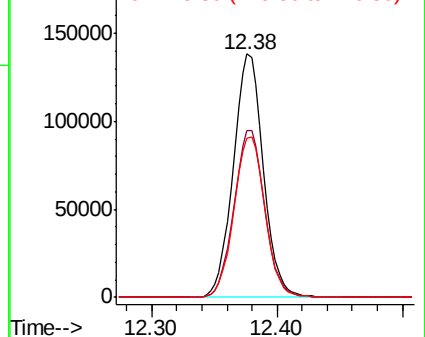
176 68.1 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

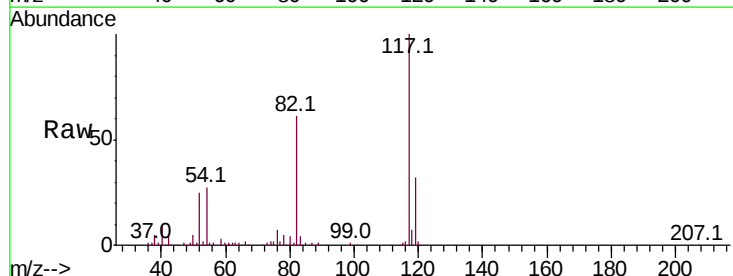
Tgt Ion: 117 Resp: 452185

Ion Ratio Lower Upper

117 100

82 61.4 49.2 73.8

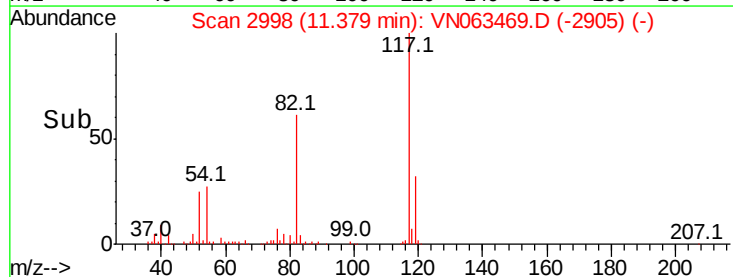
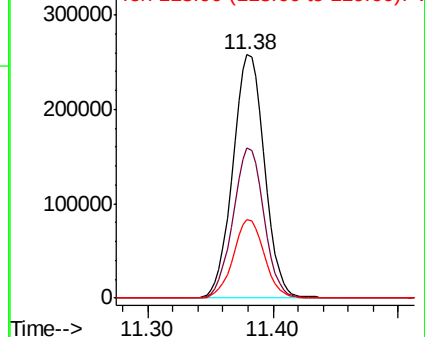
119 32.1 26.2 39.4

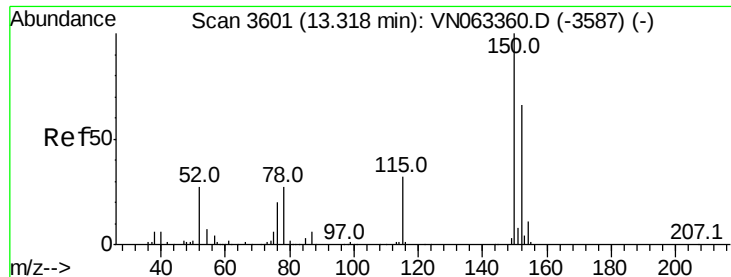


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-IB-ST

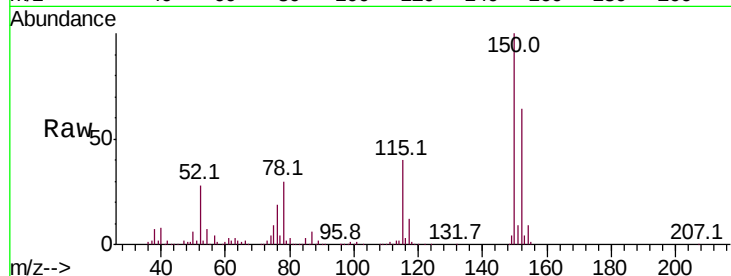
Tot Ion:152 Resp: 195752

Ion Ratio Lower Upper

152 100

115 63.7 32.2 96.6

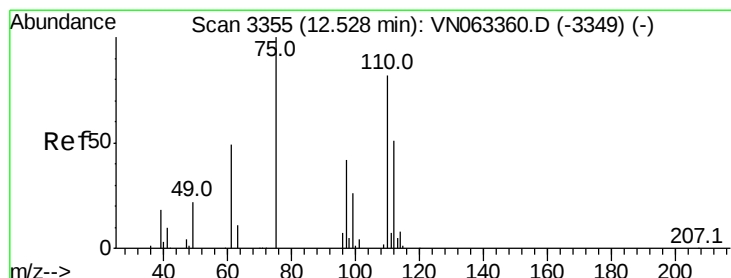
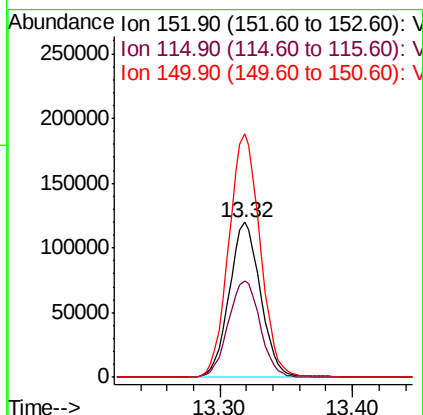
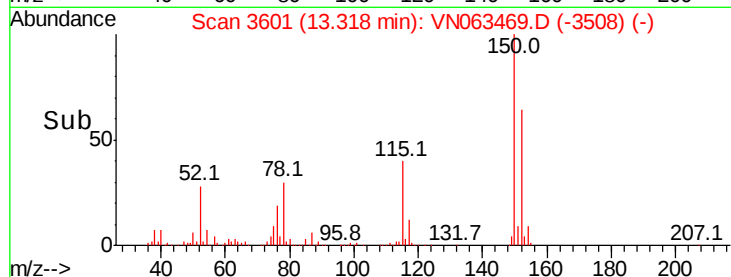
150 158.6 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 26.622 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063469.D

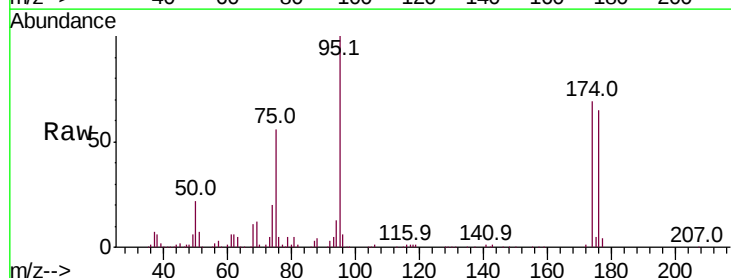
Acq: 18 Sep 2020 19:48

Tgt Ion: 75 Resp: 128987

Ion Ratio Lower Upper

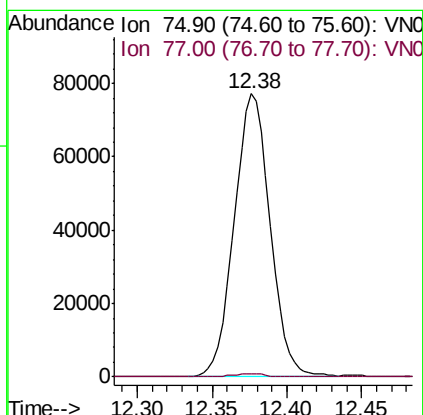
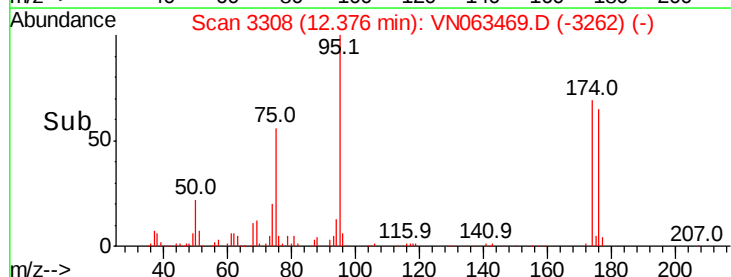
75 100

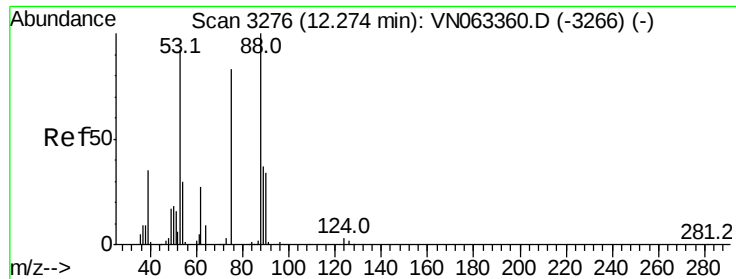
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 72.987 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063469.D

Acq: 18 Sep 2020 19:48

Instrument :

MSVOA_N

ClientSampleId :

KTS-WC-S-IB-ST

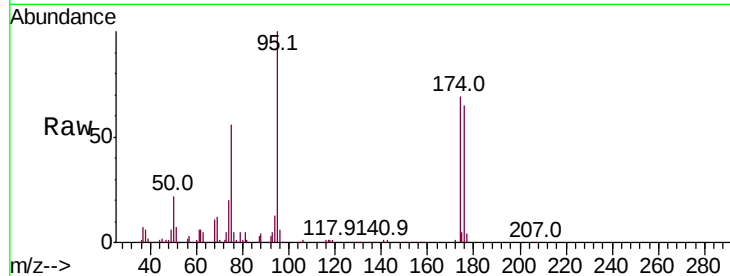
Tot Ion: 75 Resp: 128987

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

