

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063856.D
 Acq On : 3 Oct 2020 6:20
 Operator : JC/MD
 Sample : L4199-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 11940

Quant Time: Oct 05 04:26:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	209854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	399720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	416022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165428	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	185642	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	
35) Dibromofluoromethane	7.55	113	133597	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
50) Toluene-d8	10.06	98	513479	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	12.38	95	197470	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	

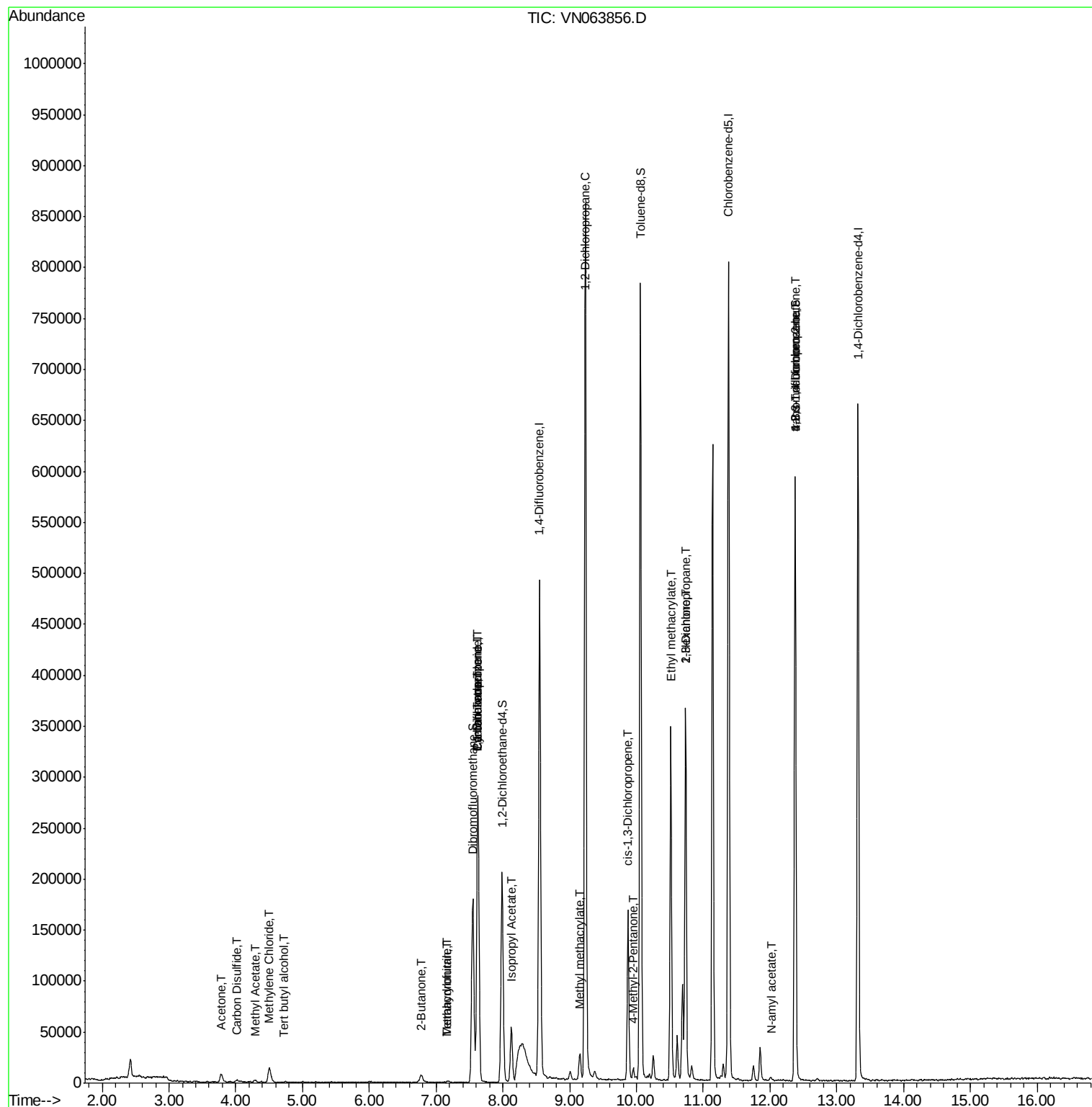
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	105	0.274	ug/l #	71
16) Acetone	3.78	43	14985	14.041	ug/l	89
17) Carbon Disulfide	4.01	76	273	0.748	ug/l #	76
18) Methyl Acetate	4.29	43	4043	1.459	ug/l #	84
20) Methylene Chloride	4.50	84	10525	4.395	ug/l	92
25) 2-Butanone	6.78	43	652	0.431	ug/l #	51
29) Tetrahydrofuran	7.17	42	561	0.553	ug/l #	36
31) Cyclohexane	7.62	56	6351	1.578	ug/l #	31
36) 1,1-Dichloropropene	7.63	75	18034	4.453	ug/l #	49
38) Carbon Tetrachloride	7.62	117	23785	5.238	ug/l #	15
41) Methacrylonitrile	7.17	41	569	0.318	ug/l #	14
43) Isopropyl Acetate	8.13	43	65033	9.800	ug/l	98
45) 1,2-Dichloropropane	9.23	63	838	0.268	ug/l #	44
48) Methyl methacrylate	9.14	41	4315	1.316	ug/l #	36
51) 4-Methyl-2-Pentanone	9.96	43	7324	1.881	ug/l	88
54) cis-1,3-Dichloropropene	9.87	75	26304	5.283	ug/l #	67
56) Ethyl methacrylate	10.51	69	2136	0.525	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	3475	0.716	ug/l #	43
59) 2-Hexanone	10.74	43	58813	20.329	ug/l #	53
74) N-amyl acetate	12.01	43	2878	2.706	ug/l #	49
76) 1,2,3-Trichloropropane	12.38	75	112668	30.896	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	112668	88.985	ug/l #	6

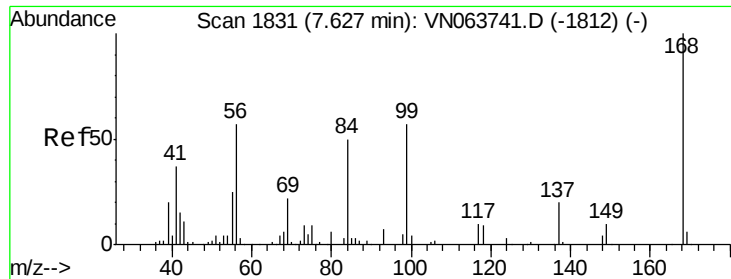
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 05 04:26:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampleId :

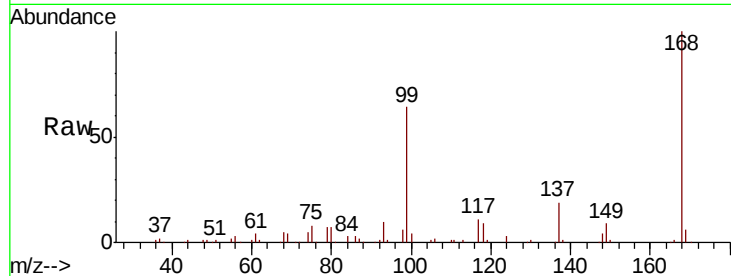
11940

Tot Ion:168 Resp: 209854

Ion Ratio Lower Upper

168 100

99 64.1 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

60000

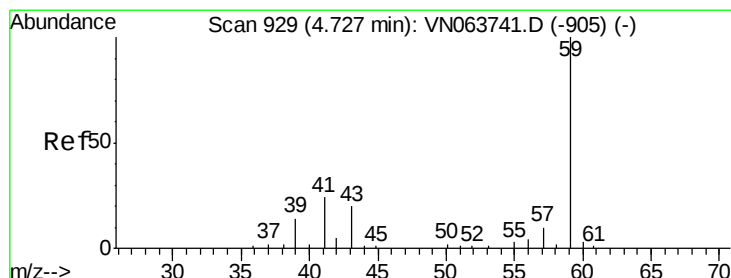
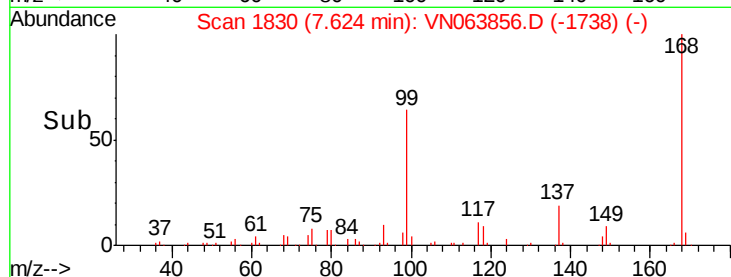
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.274 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN063856.D

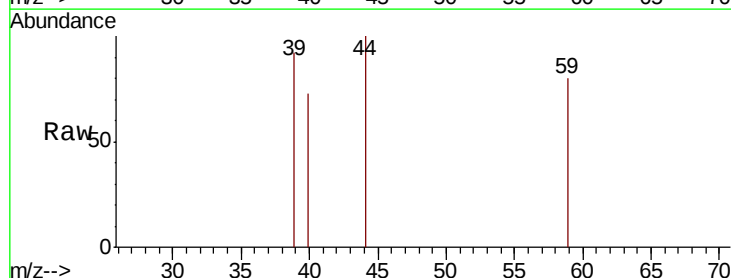
Acq: 3 Oct 2020 6:20

Tgt Ion: 59 Resp: 105

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

200

150

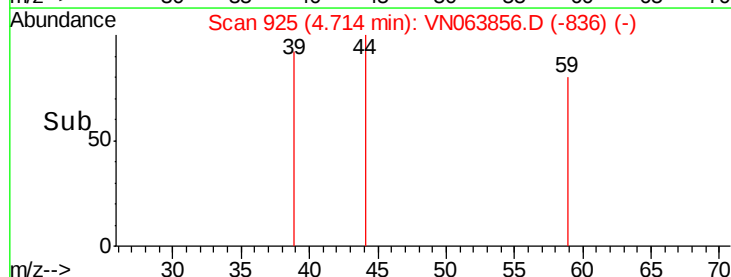
100

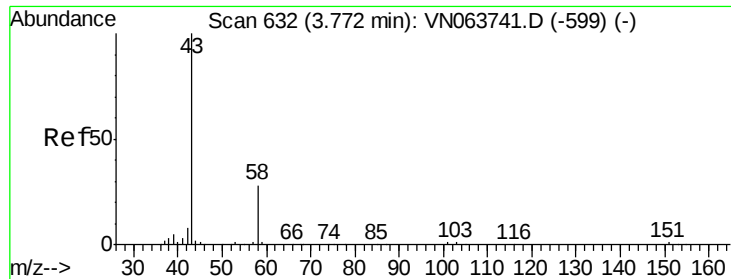
50

0

4.70 4.71 4.72 4.73

Time-->





#16

Acetone

Concen: 14.041 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampled :

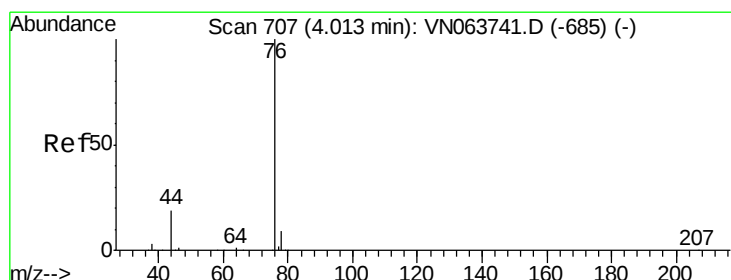
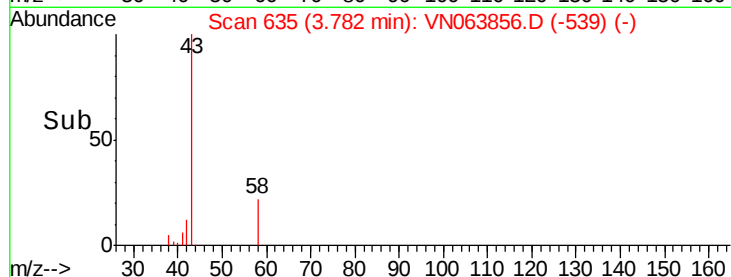
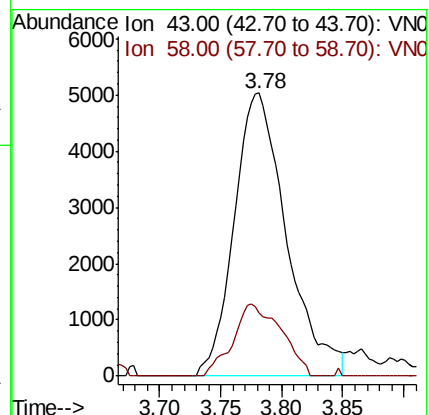
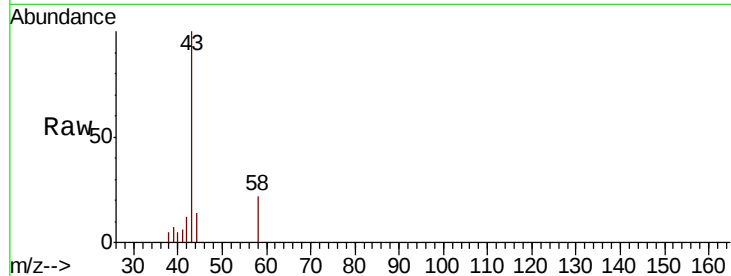
11940

Tot Ion: 43 Resp: 14985

Ion Ratio Lower Upper

43 100

58 22.3 22.3 33.5



#17

Carbon Disulfide

Concen: 0.748 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063856.D

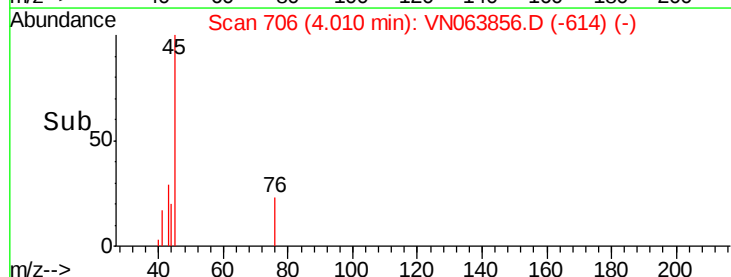
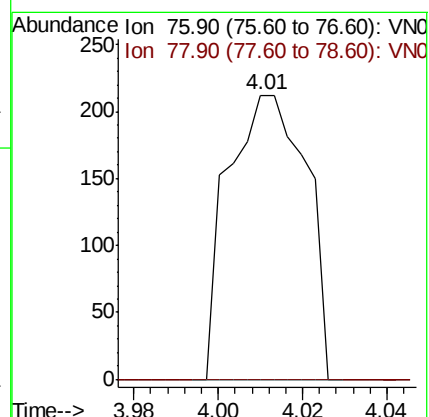
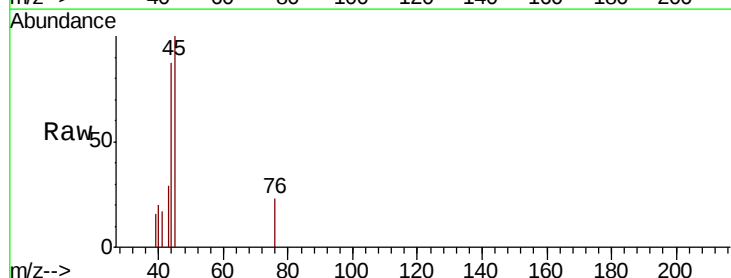
Acq: 3 Oct 2020 6:20

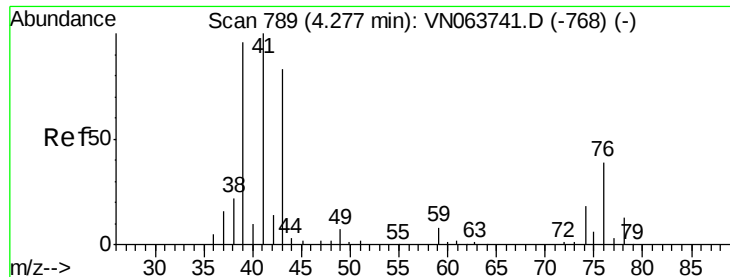
Tgt Ion: 76 Resp: 273

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#

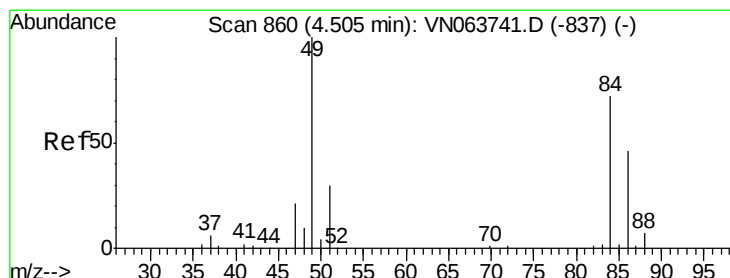
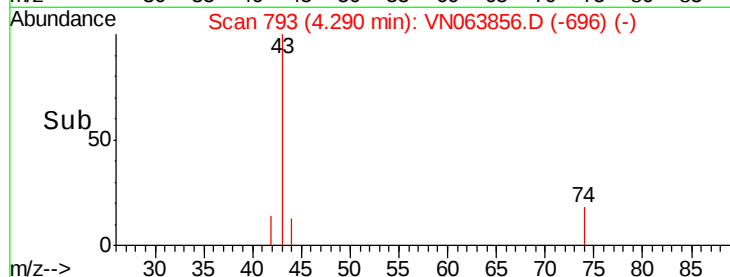
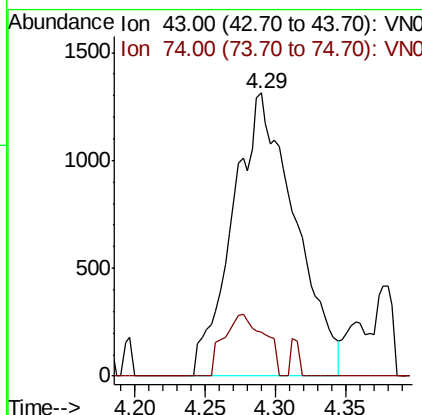
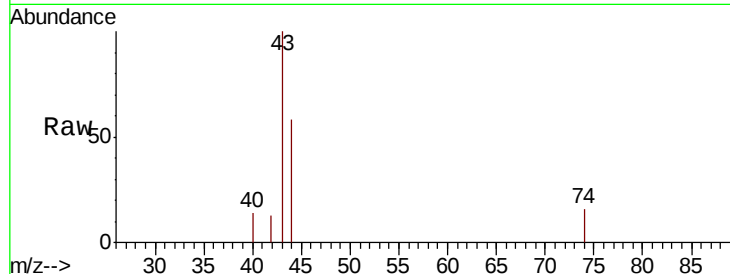




#18
Methvl Acetate
Concen: 1.459 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN063856.D
Acq: 3 Oct 2020 6:20

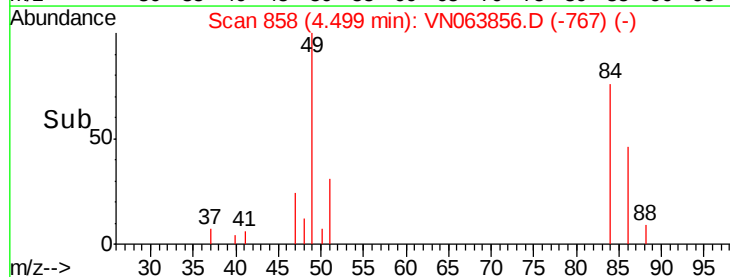
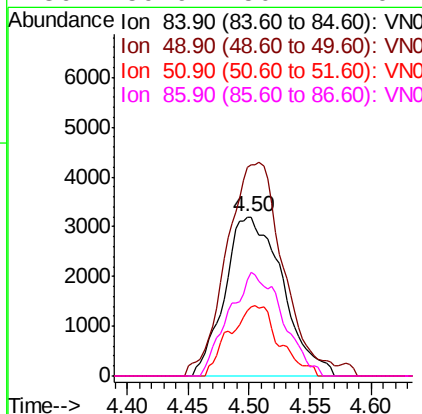
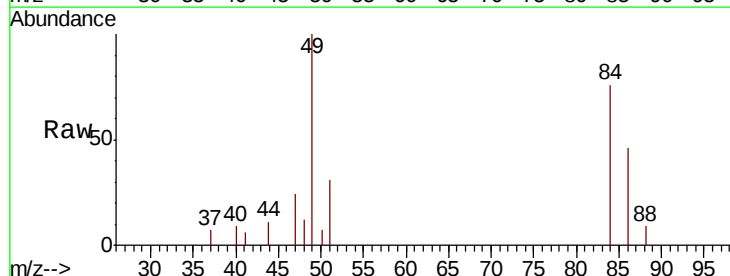
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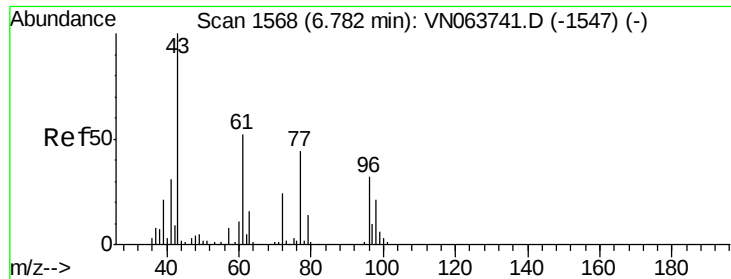
Tot Ion: 43 Resp: 4043
Ion Ratio Lower Upper
43 100
74 14.2 17.4 26.2#



#20
Methylene Chloride
Concen: 4.395 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN063856.D
Acq: 3 Oct 2020 6:20

Tgt Ion: 84 Resp: 10525
Ion Ratio Lower Upper
84 100
49 124.9 110.4 165.6
51 40.7 33.3 49.9
86 59.9 50.7 76.1





#25

2-Butanone

Concen: 0.431 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampled :

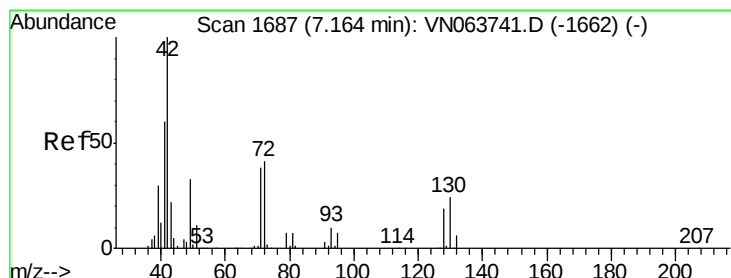
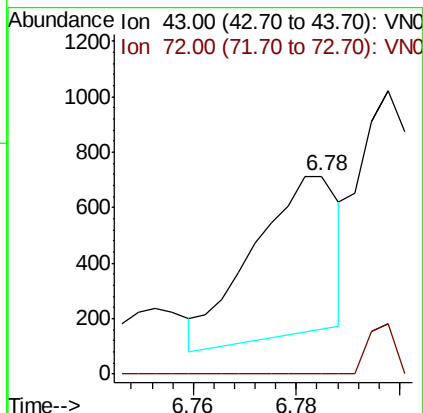
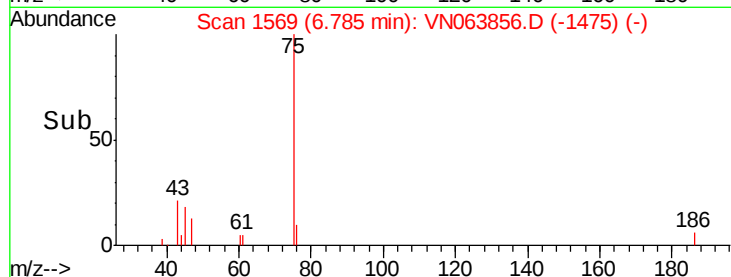
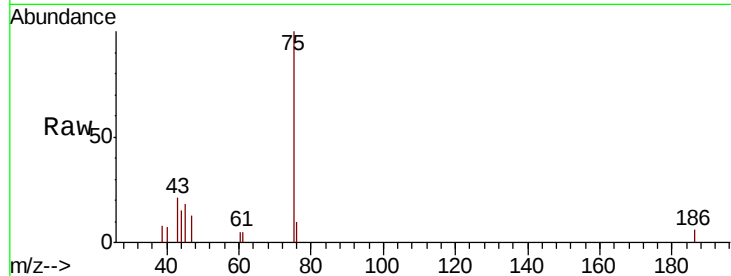
11940

Tot Ion: 43 Resp: 652

Ion Ratio Lower Upper

43 100

72 0.0 19.3 28.9#



#29

Tetrahydrofuran

Concen: 0.553 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

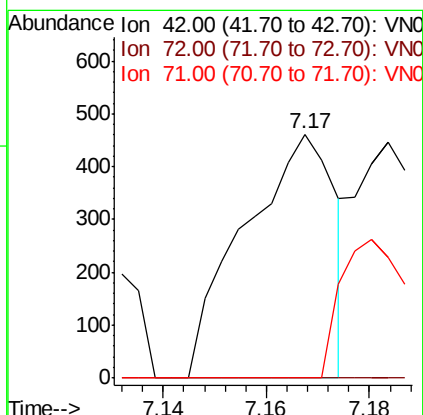
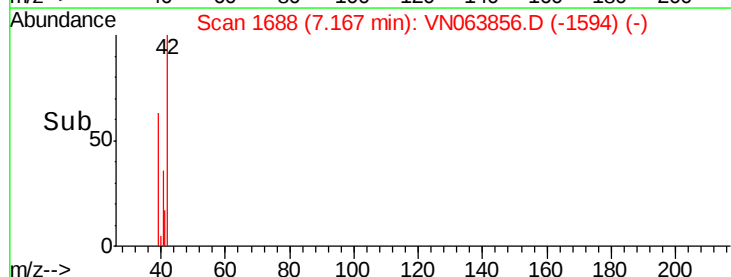
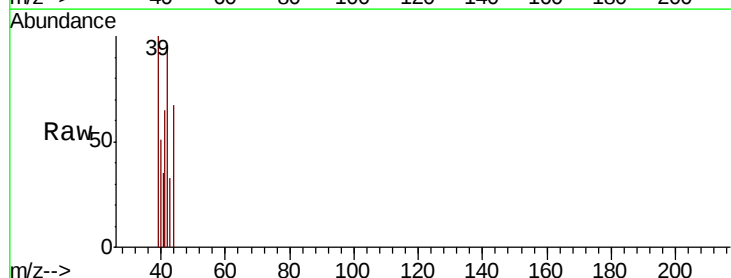
Tgt Ion: 42 Resp: 561

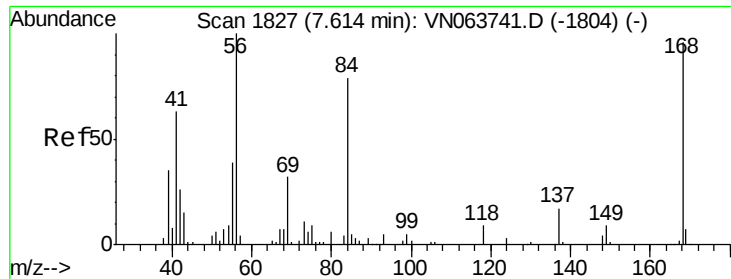
Ion Ratio Lower Upper

42 100

72 0.0 32.8 49.2#

71 0.0 30.6 45.8#

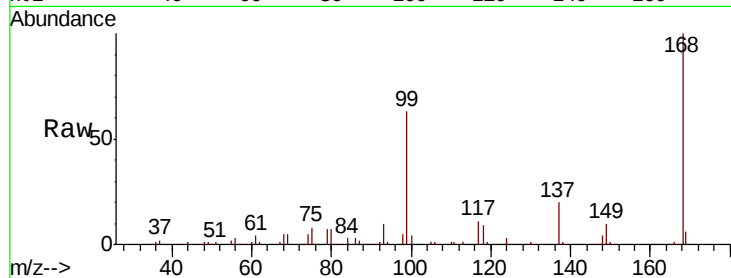




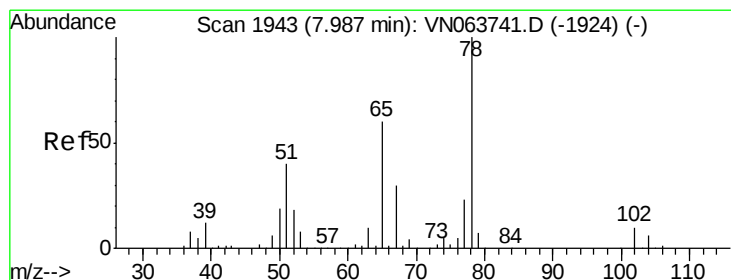
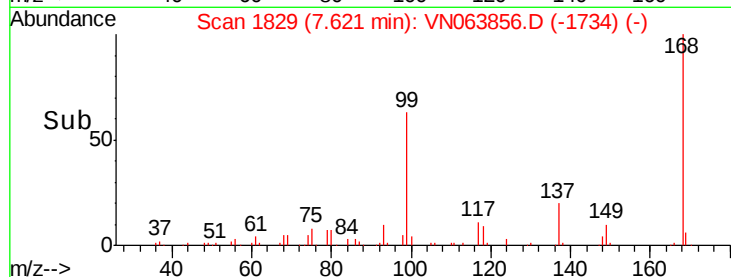
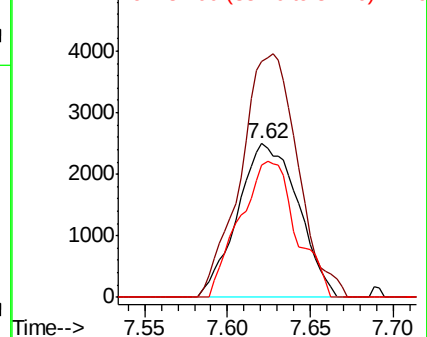
#31
Cyclohexane
Concen: 1.578 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063856.D
Acq: 3 Oct 2020 6:20

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Tot Ion: 56 Resp: 6351
Ion Ratio Lower Upper
56 100
69 154.2 25.4 38.2#
84 86.3 63.3 94.9

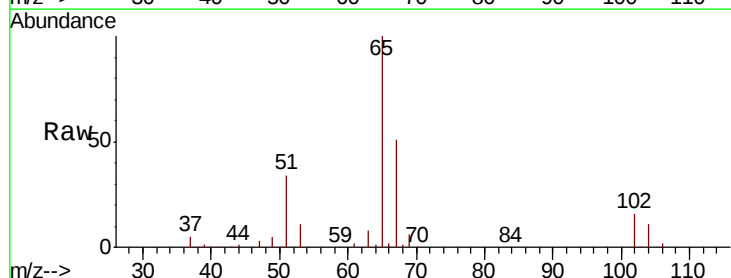


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

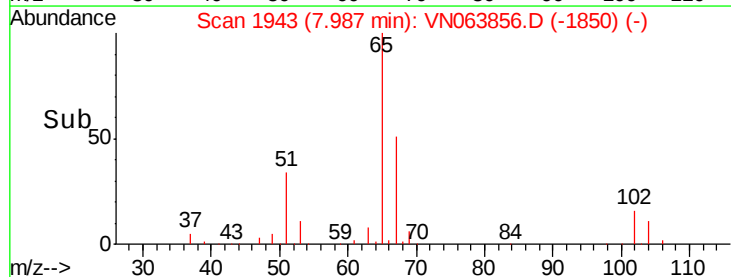
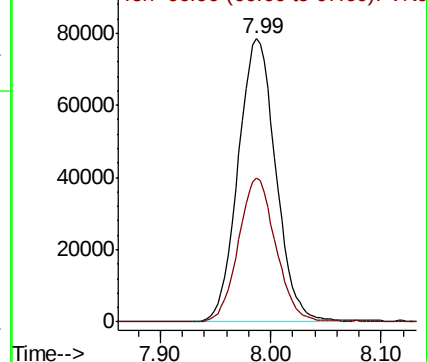


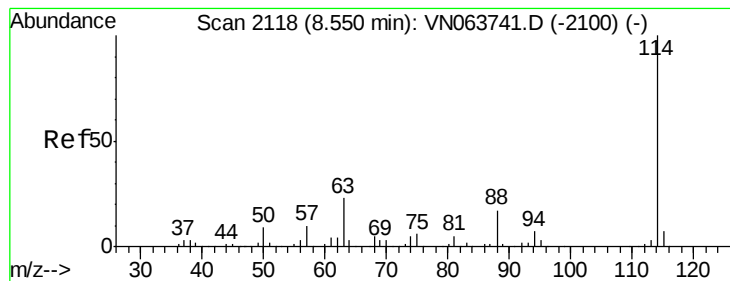
#33
1,2-Dichloroethane-d4
Concen: 53.547 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN063856.D
Acq: 3 Oct 2020 6:20

Tgt Ion: 65 Resp: 185642
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampleId :

11940

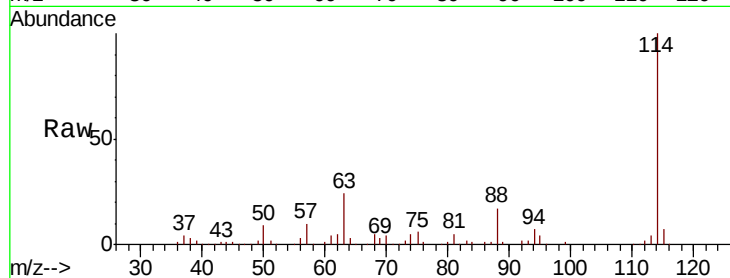
Tot Ion:114 Resp: 399720

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.0

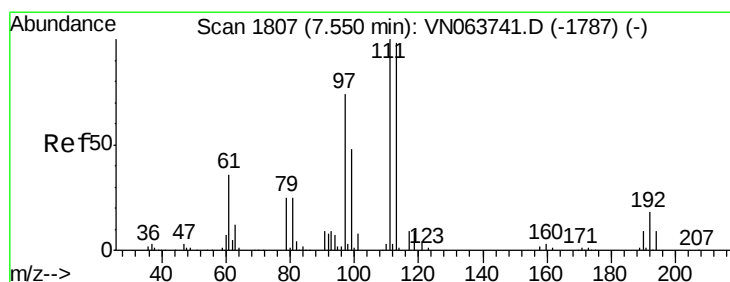
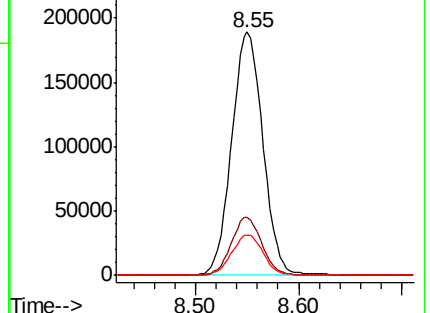
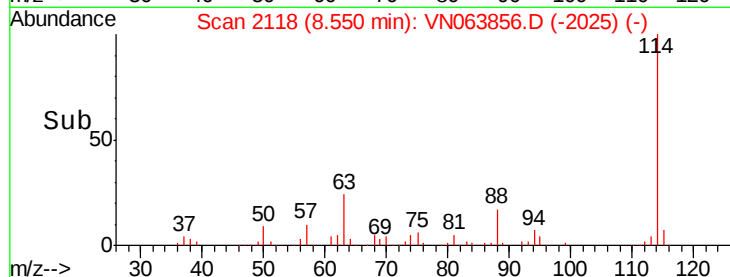
88 16.6 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 48.168 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

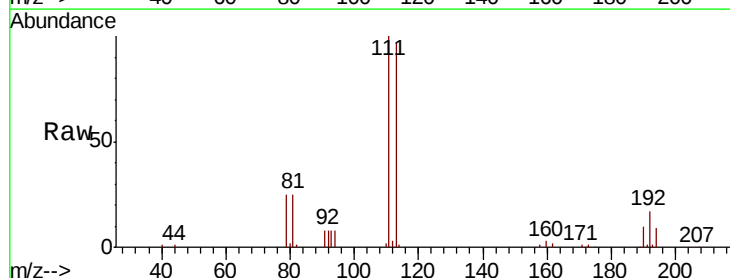
Tgt Ion:113 Resp: 133597

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

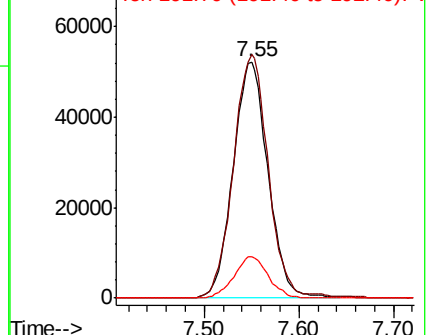
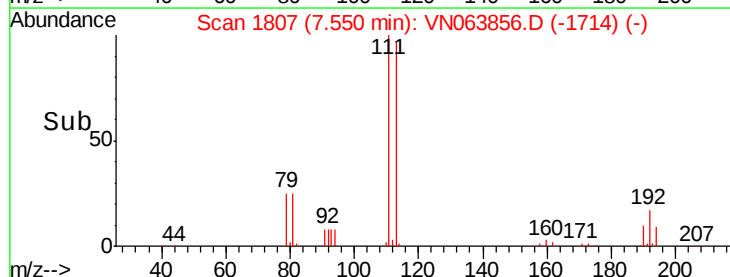
192 17.1 14.2 21.2

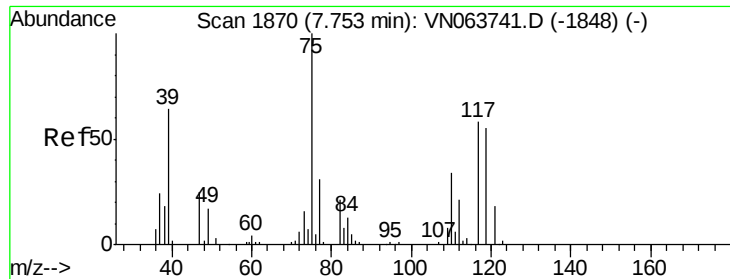


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

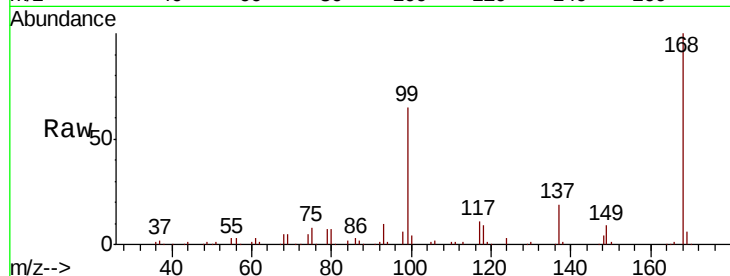




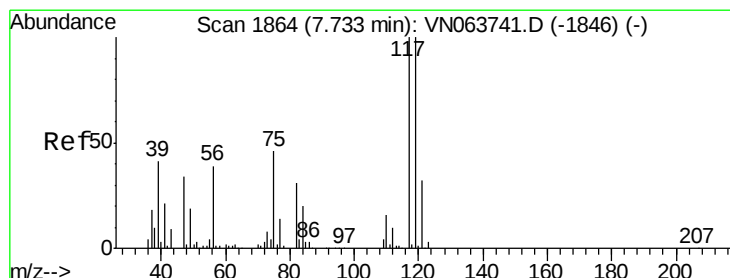
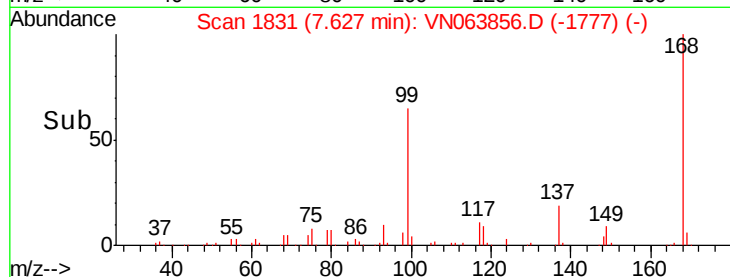
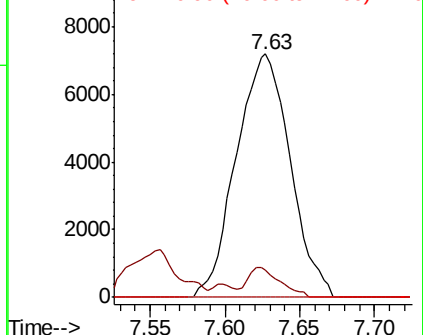
#36
 1,1-Dichloropropene
 Concen: 4.453 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

Instrument :
 MSVOA_N
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 11940

Tot Ion	75	Resp	18034
Ion Ratio	100	Lower	Upper
75	100		
110	7.4	16.9	50.6#
77	0.0	24.5	36.7#

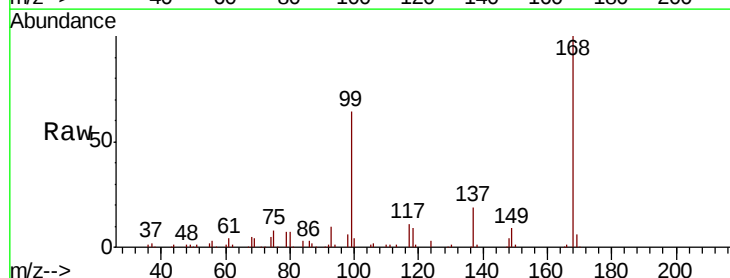


Abundance Ion 74.90 (74.60 to 75.60): VN063741.D (-1848) (-)

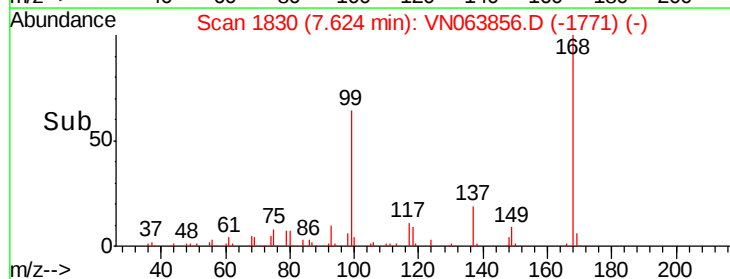
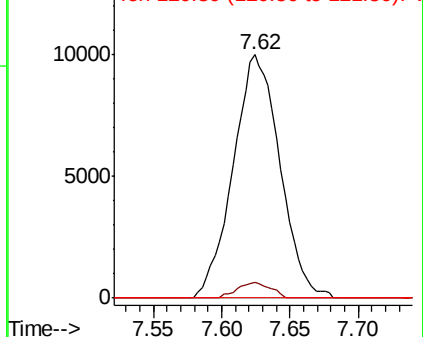


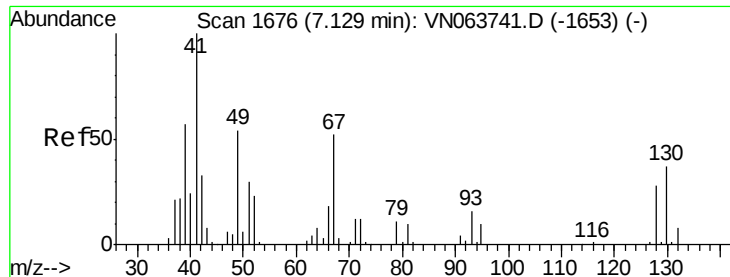
#38
 Carbon Tetrachloride
 Concen: 5.238 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

Tgt Ion	117	Resp	23785
Ion Ratio	100	Lower	Upper
117	100		
119	6.4	80.1	120.1#
121	0.0	25.7	38.5#



Abundance Ion 116.80 (116.50 to 117.50): VN063741.D (-1846) (-)

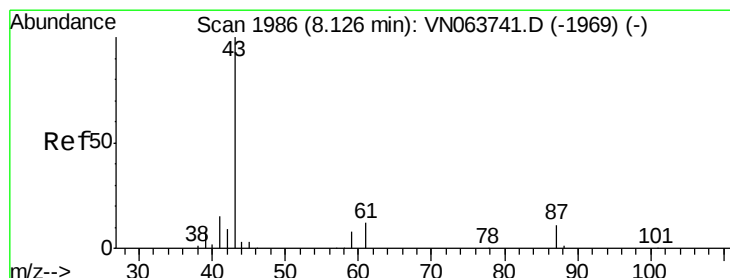
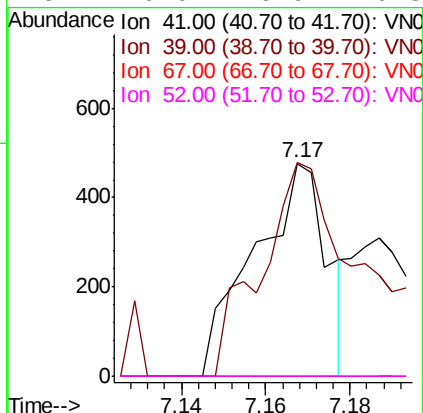
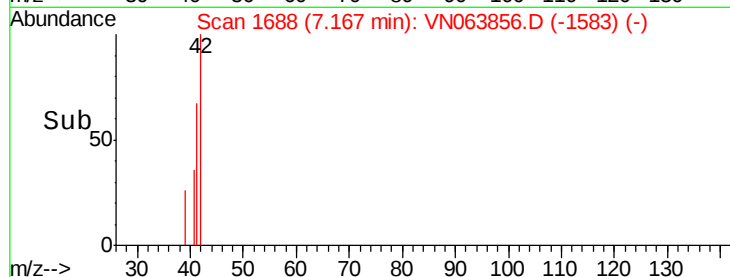
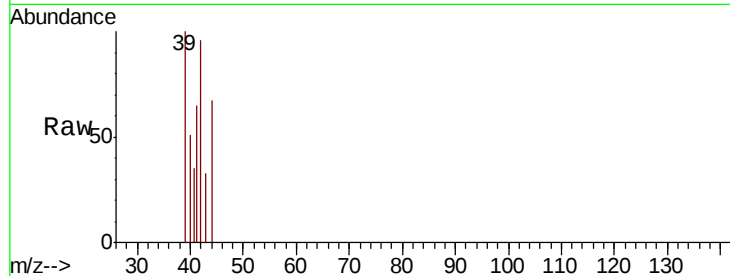




#41
Methacrylonitrile
Concen: 0.318 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.04 min
Lab File: VN063856.D
Acq: 3 Oct 2020 6:20

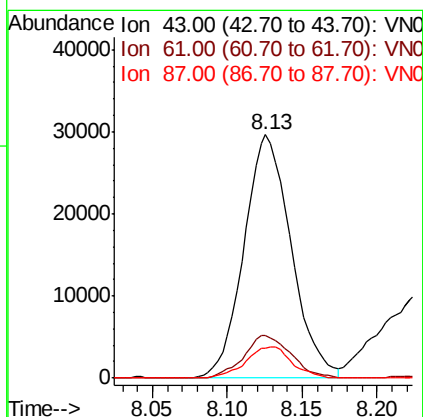
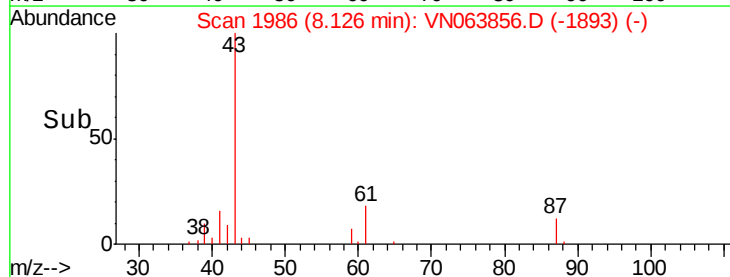
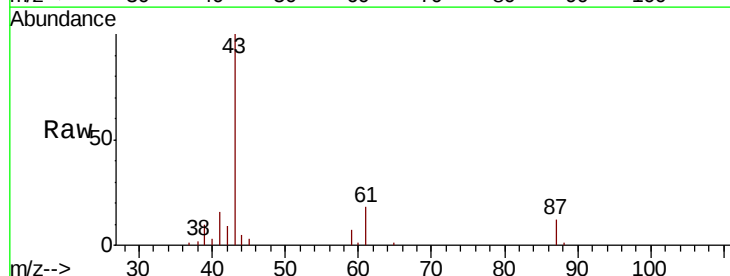
Instrument :
MSVOA_N
ClientSampled :
11940

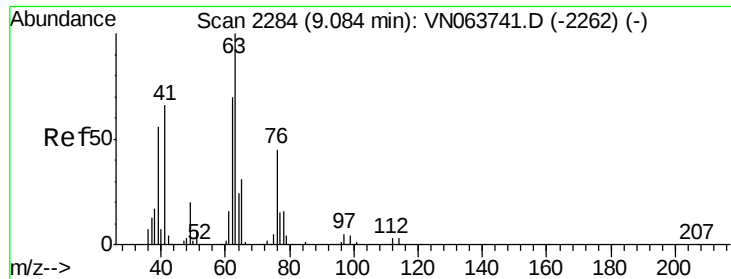
Tot Ion: 41 Resp: 569
Ion Ratio Lower Upper
41 100
39 125.7 42.5 63.7#
67 0.0 57.4 86.2#
52 0.0 26.9 40.3#



#43
Isopropyl Acetate
Concen: 9.800 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063856.D
Acq: 3 Oct 2020 6:20

Tgt Ion: 43 Resp: 65033
Ion Ratio Lower Upper
43 100
61 17.5 14.2 21.4
87 12.5 9.0 13.6

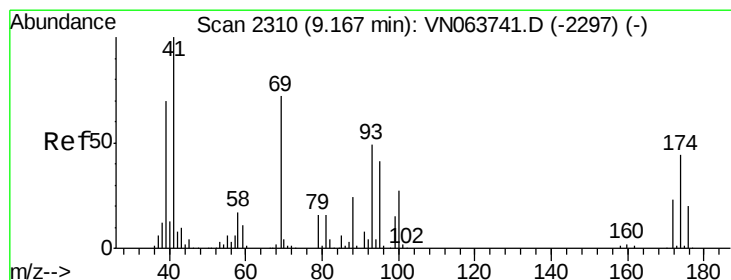
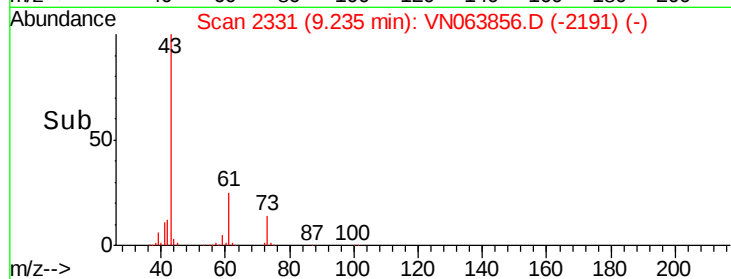
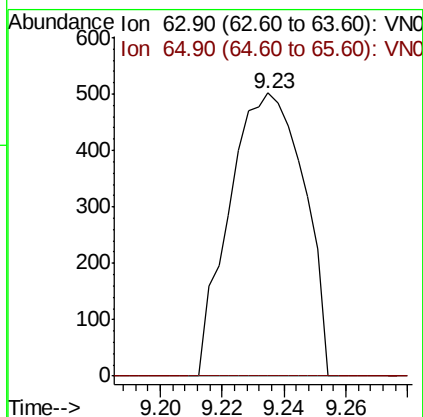
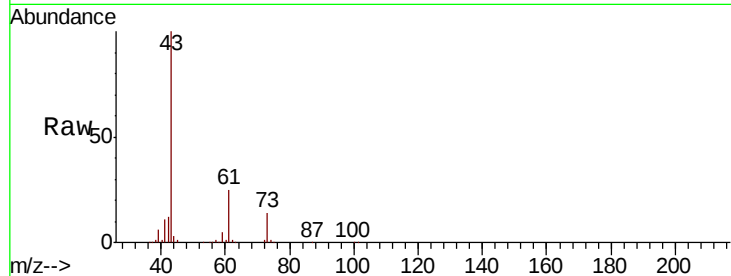




#45
 1,2-Dichloropropane
 Concen: 0.268 ug/l
 RT: 9.23 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

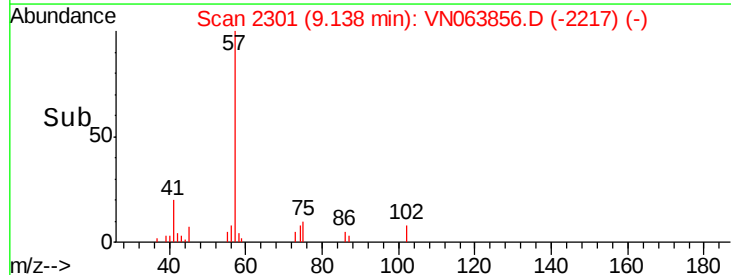
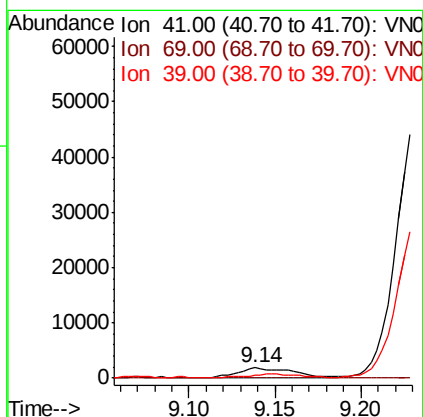
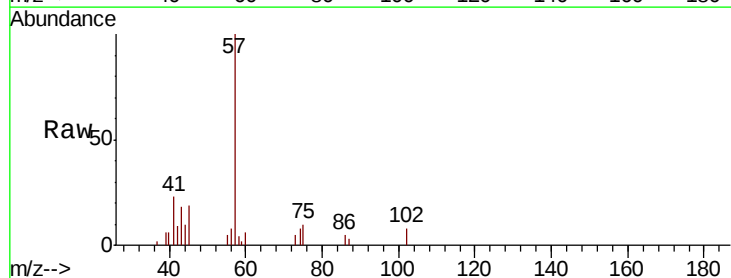
Instrument :
 MSVOA_N
 ClientSampleId :
 11940

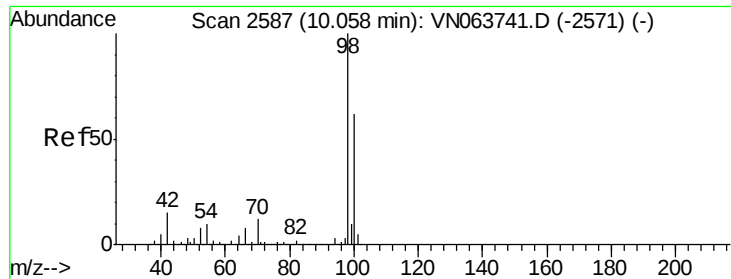
Tot Ion: 63 Resp: 838
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.7 37.1#



#48
 Methyl methacrylate
 Concen: 1.316 ug/l
 RT: 9.14 min Scan# 2301
 Delta R.T. -0.03 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

Tgt Ion: 41 Resp: 4315
 Ion Ratio Lower Upper
 41 100
 69 0.0 60.9 91.3#
 39 39.7 57.5 86.3#





#50

Toluene-d8

Concen: 48.836 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampled :

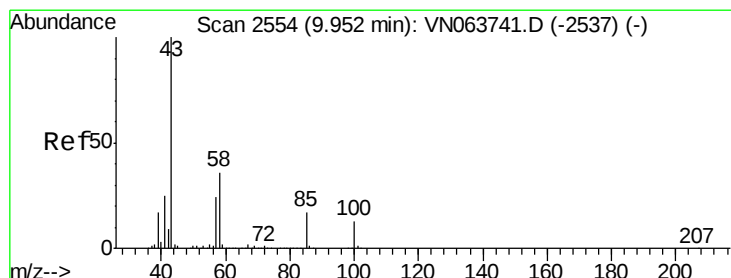
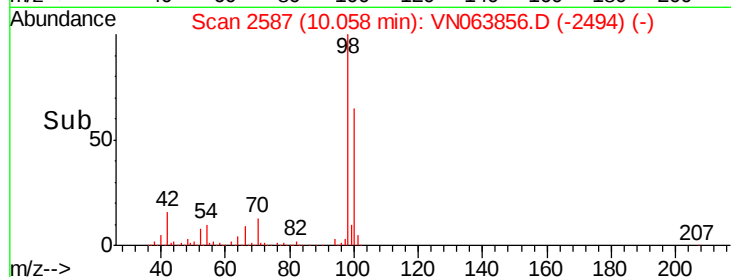
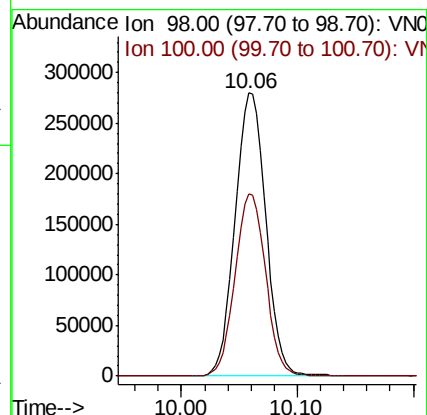
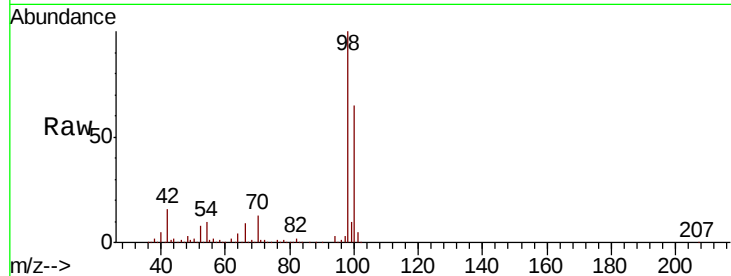
11940

Tot Ion: 98 Resp: 513479

Ion Ratio Lower Upper

98 100

100 64.0 49.8 74.6



#51

4-Methyl-2-Pentanone

Concen: 1.881 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063856.D

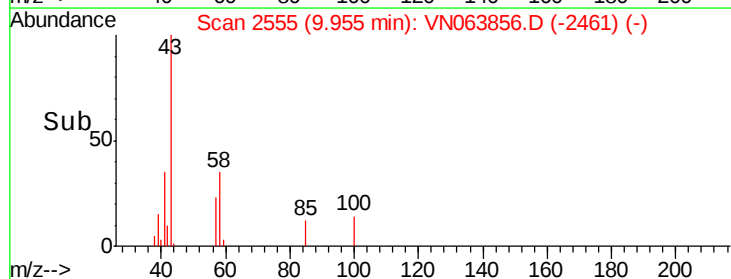
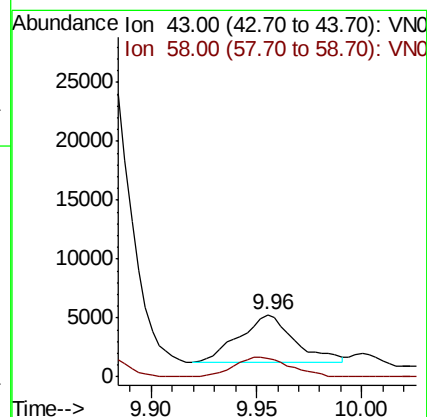
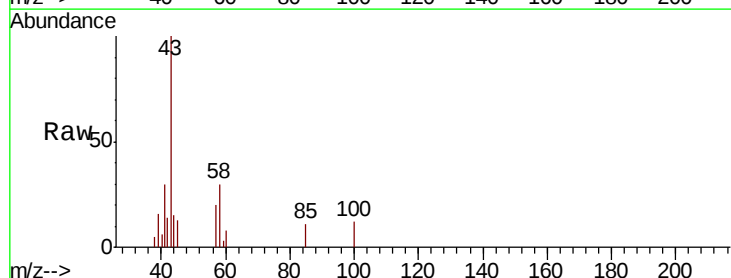
Acq: 3 Oct 2020 6:20

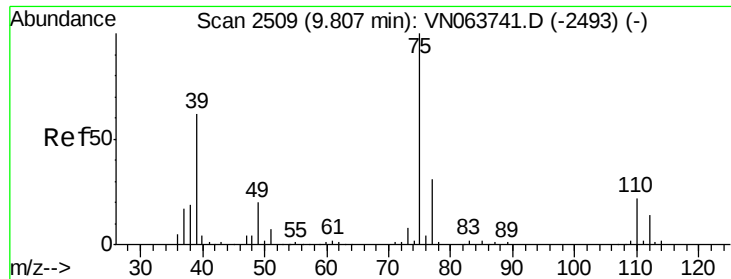
Tgt Ion: 43 Resp: 7324

Ion Ratio Lower Upper

43 100

58 42.3 28.4 42.6





#54

cis-1,3-Dichloropropene

Concen: 5.283 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampled :

11940

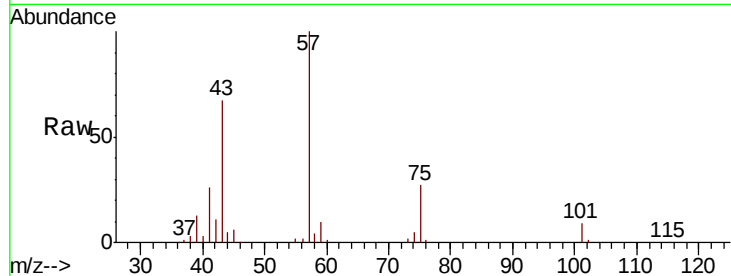
Tot Ion: 75 Resp: 26304

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

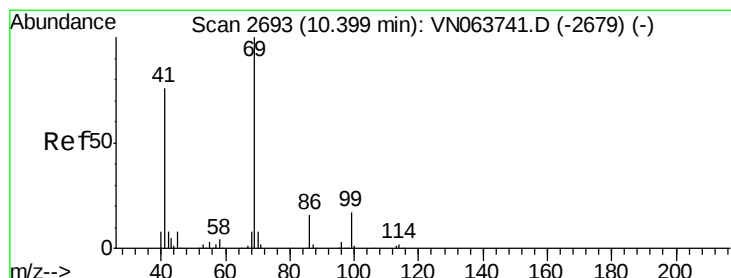
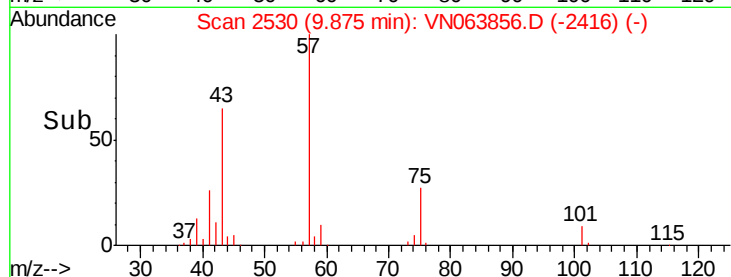
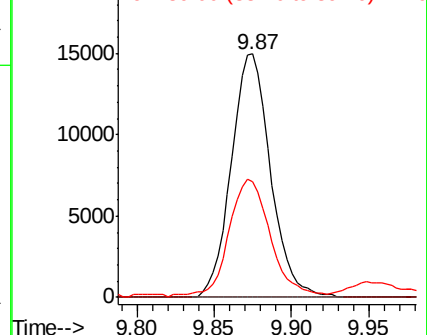
39 46.0 49.7 74.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

Ethyl methacrylate

Concen: 0.525 ug/l

RT: 10.51 min Scan# 2728

Delta R.T. 0.11 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

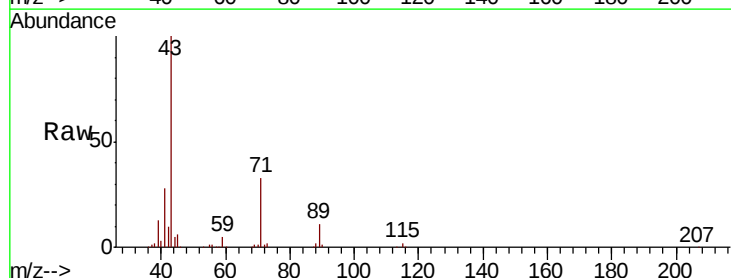
Tgt Ion: 69 Resp: 2136

Ion Ratio Lower Upper

69 100

41 3445.5 61.1 91.7#

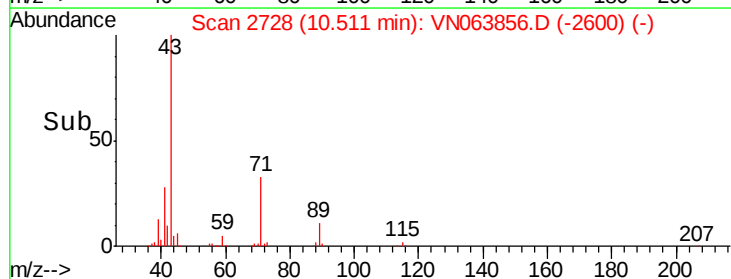
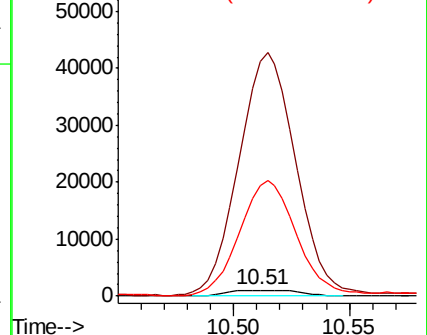
39 1635.8 42.2 63.4#

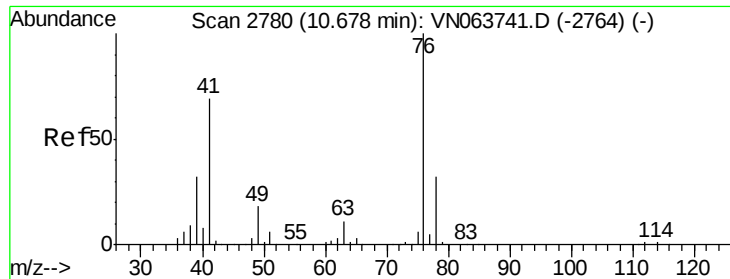


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

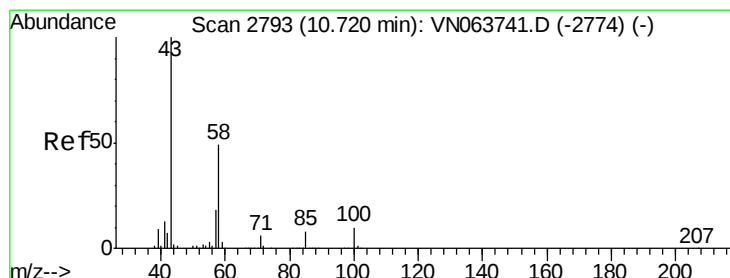
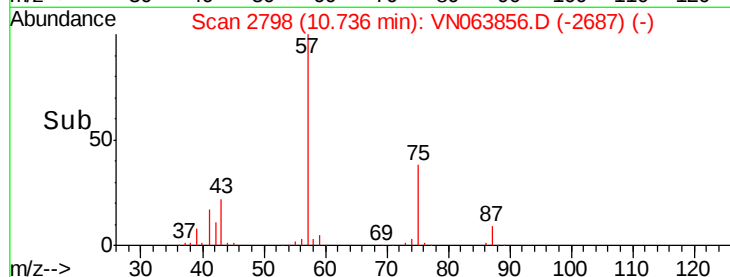
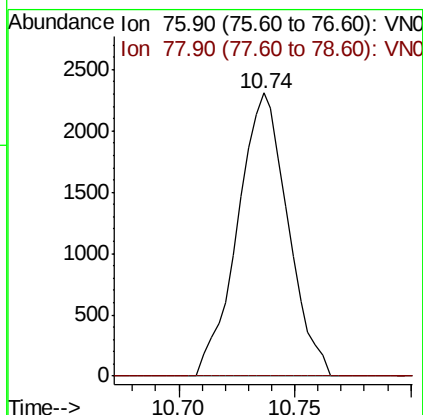
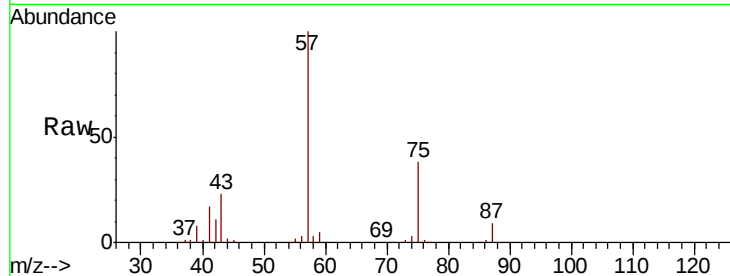




#57
 1,3-Dichloropropane
 Concen: 0.716 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.06 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

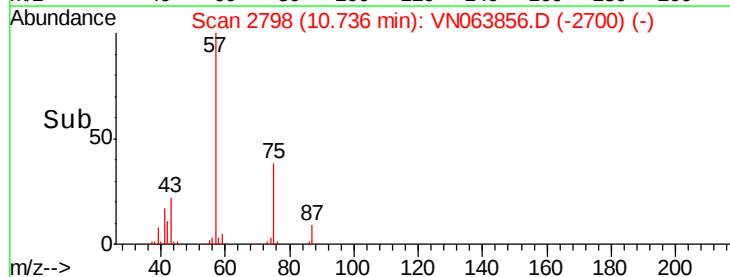
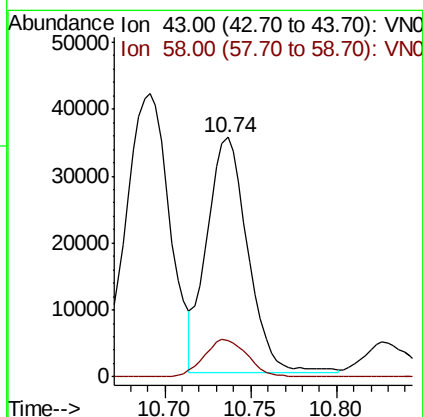
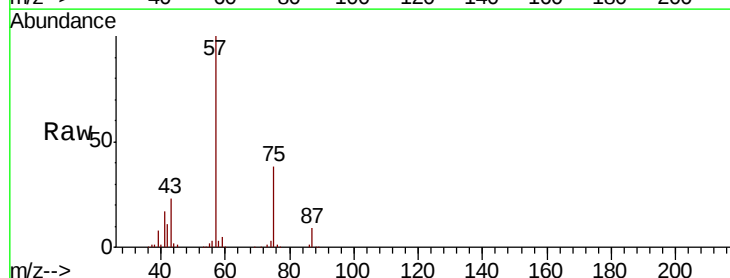
Instrument :
 MSVOA_N
 ClientSampled :
 11940

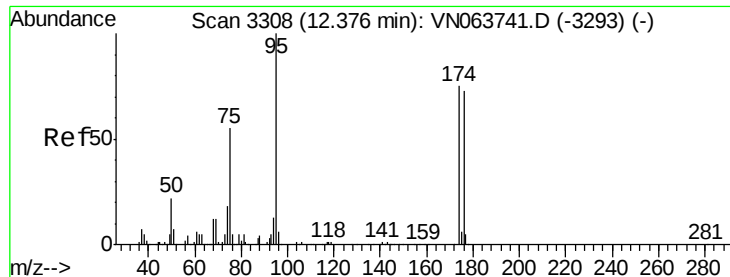
Tot Ion: 76 Resp: 3475
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.2 37.8#



#59
 2-Hexanone
 Concen: 20.329 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

Tgt Ion: 43 Resp: 58813
 Ion Ratio Lower Upper
 43 100
 58 16.8 24.6 73.8#





#62

4-Bromofluorobenzene

Concen: 49.962 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampleId :

11940

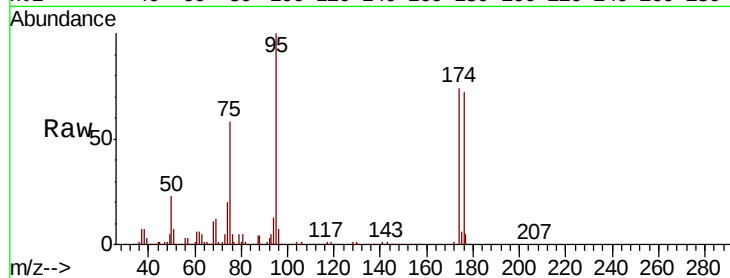
Tot Ion: 95 Resp: 197470

Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.6

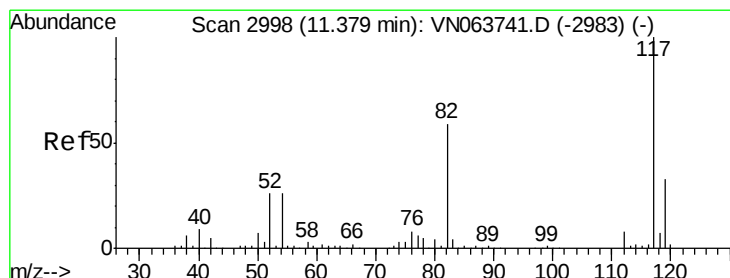
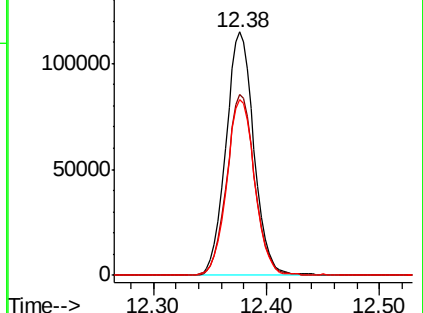
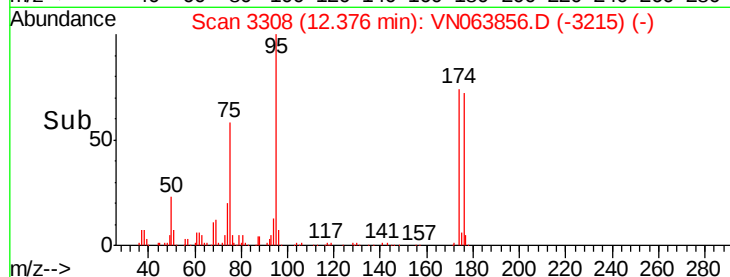
176 72.3 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063856.D (-3215) (-)

Ion 173.80 (173.50 to 174.50): VN063856.D (-3215) (-)

Ion 175.80 (175.50 to 176.50): VN063856.D (-3215) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

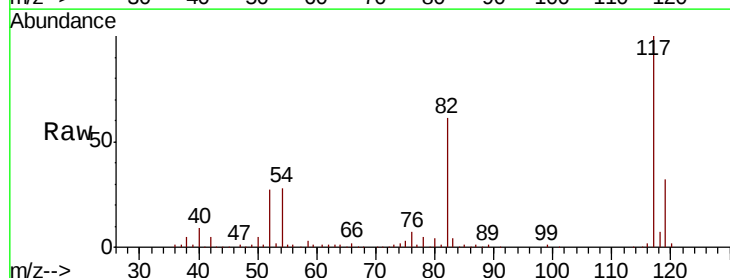
Tgt Ion: 117 Resp: 416022

Ion Ratio Lower Upper

117 100

82 60.9 47.4 71.2

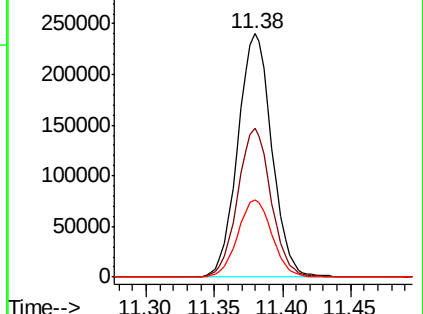
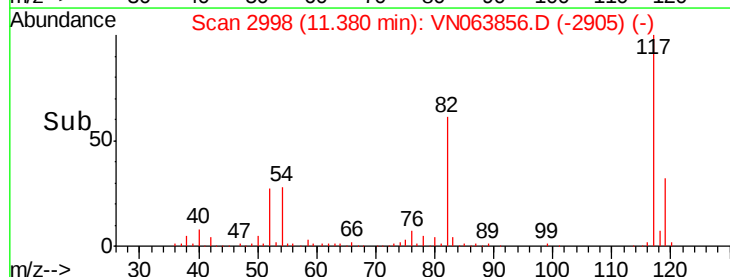
119 31.6 26.4 39.6

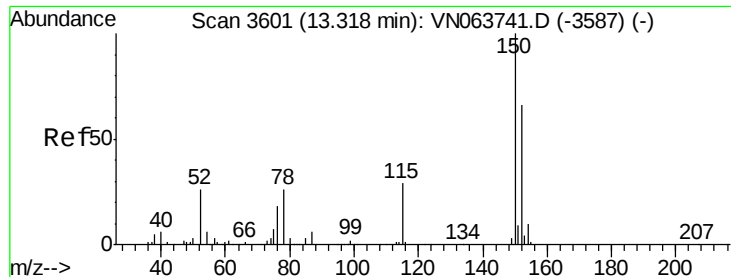


Abundance Ion 116.90 (116.60 to 117.60): VN063856.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063856.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063856.D (-2905) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Instrument :

MSVOA_N

ClientSampleId :

11940

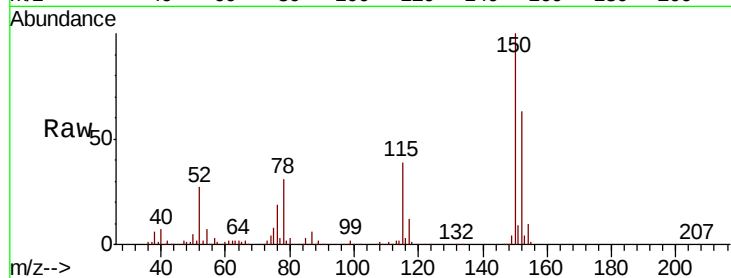
Tot Ion:152 Resp: 165428

Ion Ratio Lower Upper

152 100

115 62.3 31.3 93.8

150 160.0 0.0 341.8

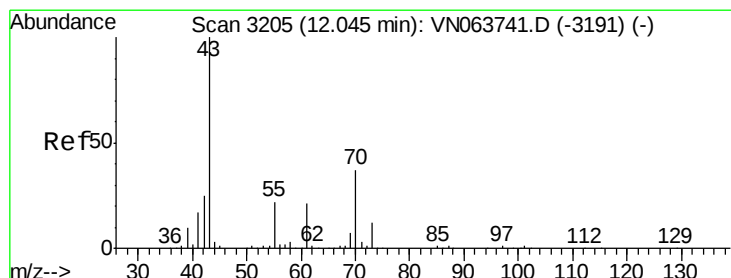
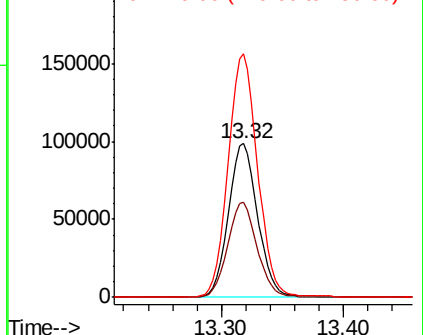
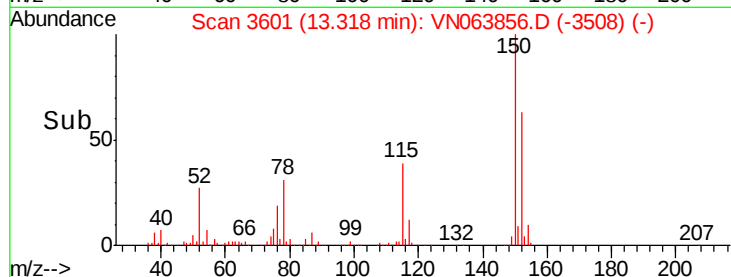


Abundance

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: 2.706 ug/l

RT: 12.01 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN063856.D

Acq: 3 Oct 2020 6:20

Tgt Ion: 43 Resp: 2878

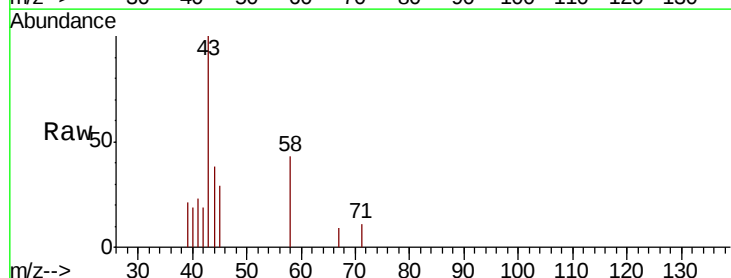
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 4.3 17.9 26.9#

61 0.0 17.0 25.4#



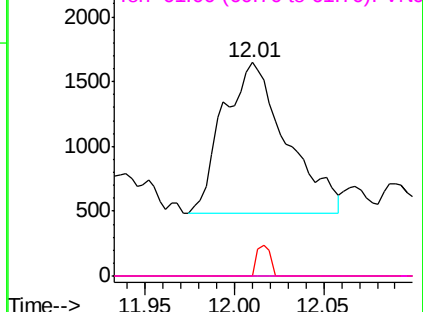
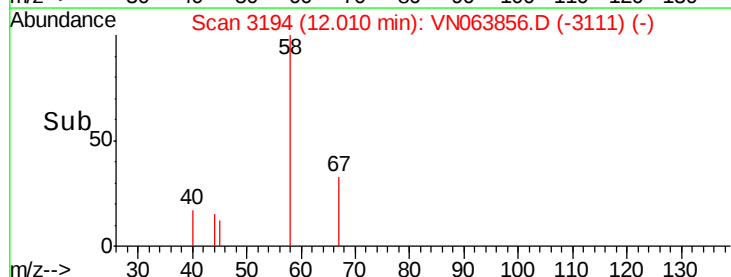
Abundance

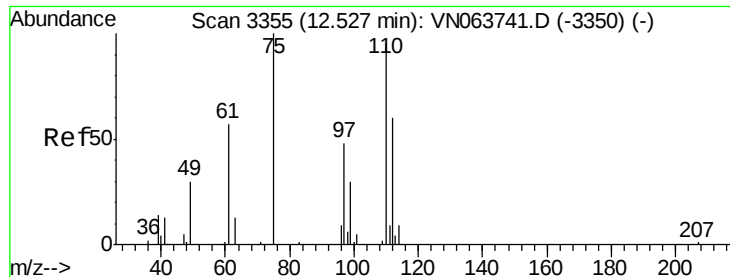
Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

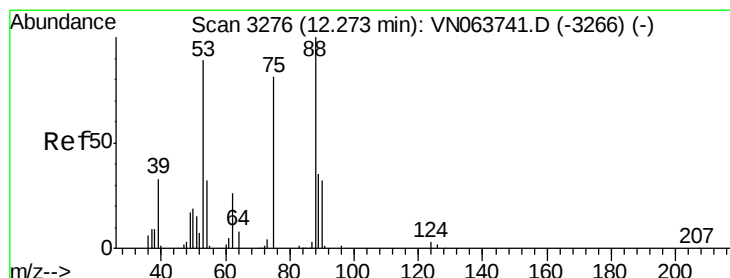
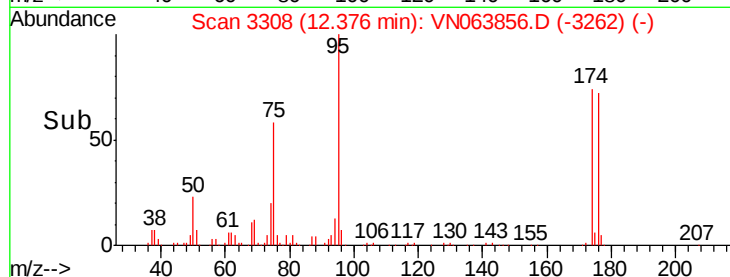
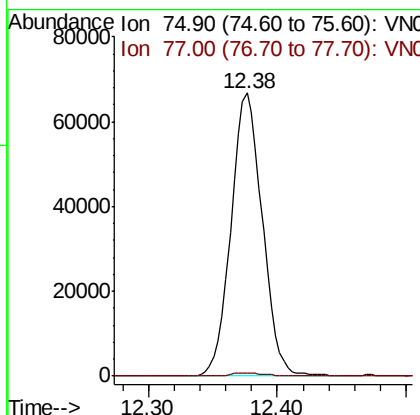
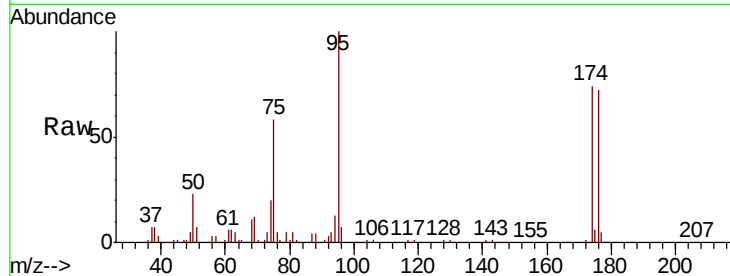




#76
 1,2,3-Trichloropropane
 Concen: 30.896 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

Instrument :
 MSVOA_N
 ClientSampleId :
 11940

Tot Ion: 75 Resp: 112668
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.985 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063856.D
 Acq: 3 Oct 2020 6:20

Tgt Ion: 75 Resp: 112668
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.2 132.2#
 89 0.0 36.0 54.0#

