

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111920\
 Data File : VN064771.D
 Acq On : 20 Nov 2020 9:31
 Operator : JC/MD
 Sample : L4779-14 50X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1605-1607

Quant Time: Nov 20 13:47:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	216806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	444329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	623812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	212975	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	211664	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
35) Dibromofluoromethane	7.55	113	151252	59.81	ug/l	0.00
Spiked Amount			Recovery	=	119.62%	
50) Toluene-d8	10.06	98	572408	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.38	95	247110	57.52	ug/l	0.00
Spiked Amount			Recovery	=	115.04%	

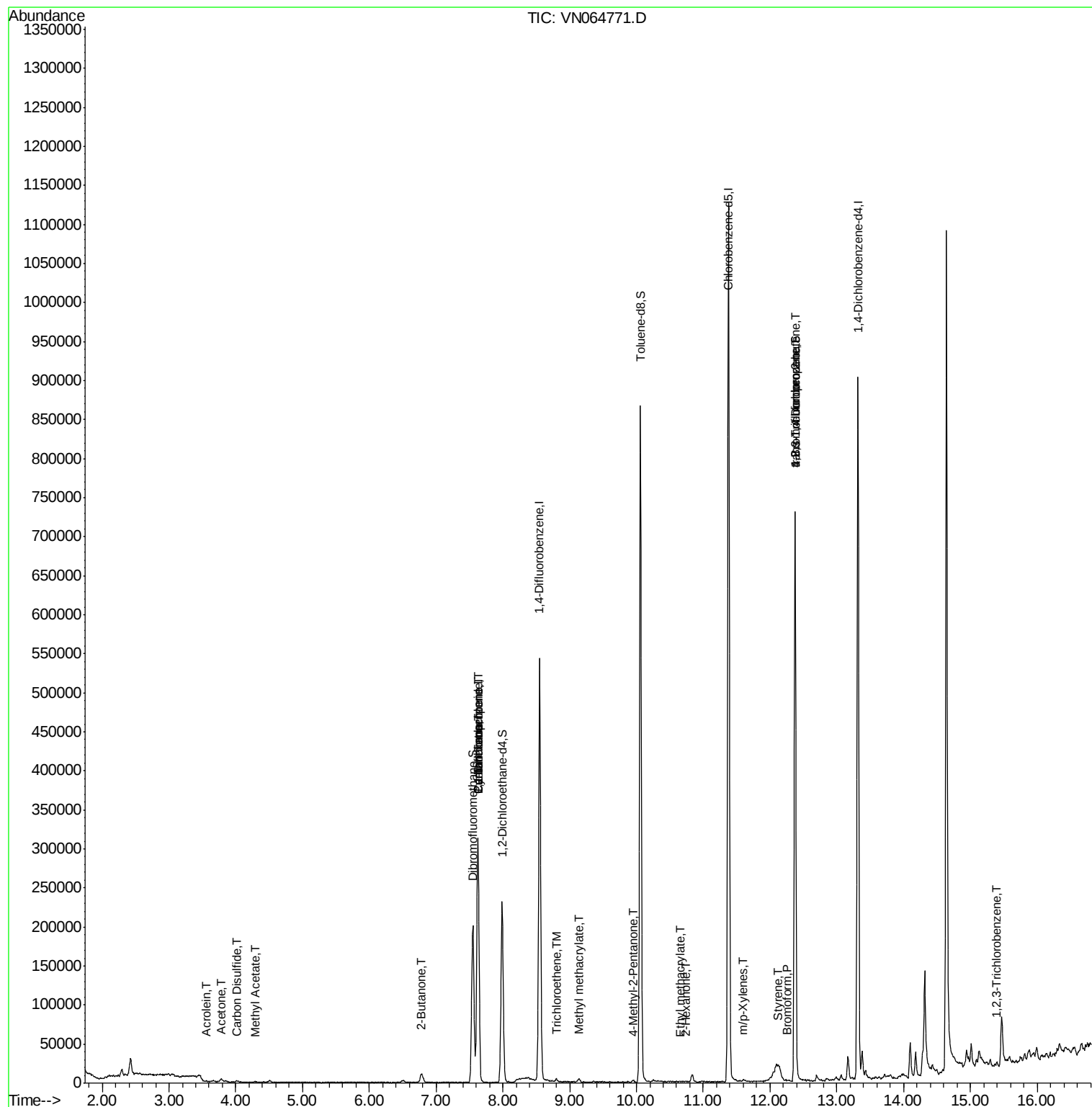
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	105	1.212	ug/l #	11
16) Acetone	3.77	43	3547	8.830	ug/l	97
17) Carbon Disulfide	4.01	76	2391	0.483	ug/l #	75
18) Methyl Acetate	4.29	43	953	1.666	ug/l #	54
25) 2-Butanone	6.78	43	859	0.589	ug/l #	51
31) Cyclohexane	7.63	56	6705	1.626	ug/l #	27
36) 1,1-Dichloropropene	7.63	75	22018	4.817	ug/l #	52
38) Carbon Tetrachloride	7.62	117	26544	5.464	ug/l #	16
44) Trichloroethene	8.80	130	1043	0.285	ug/l	87
48) Methyl methacrylate	9.13	41	1228	0.351	ug/l #	36
51) 4-Methyl-2-Pentanone	9.95	43	1948	6.554	ug/l #	83
56) Ethyl methacrylate	10.66	69	86	2.691	ug/l #	75
59) 2-Hexanone	10.73	43	444	8.570	ug/l #	28
68) m/p-Xylenes	11.60	106	66	4.069	ug/l #	1
70) Styrene	12.14	104	29	2.538	ug/l #	1
71) Bromoform	12.25	173	72	2.464	ug/l #	29
76) 1,2,3-Trichloropropane	12.37	75	141642	30.866	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	141642	78.640	ug/l #	5
96) 1,2,3-Trichlorobenzene	15.41	180	64	0.776	ug/l #	23

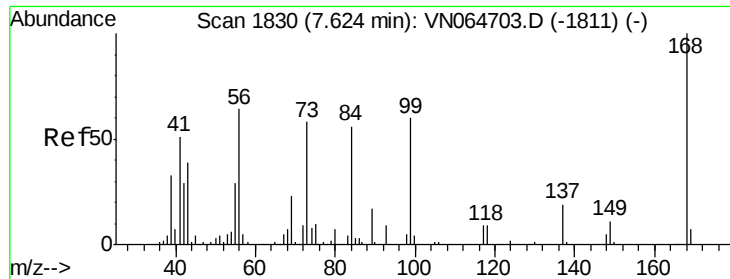
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064771.D

Acq: 20 Nov 2020 9:31

Instrument :

MSVOA_N

ClientSampleId :

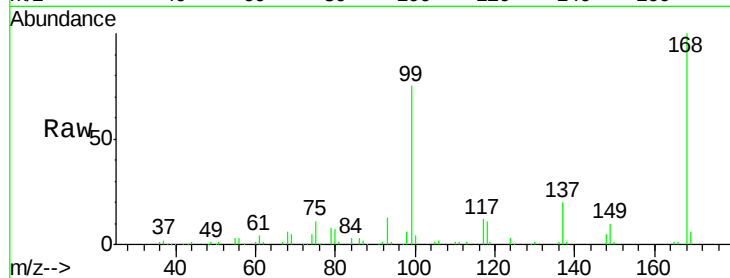
COMP-1605-1607

Tgt Ion: 168 Resp: 216806

Ion Ratio Lower Upper

168 100

99 74.8 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

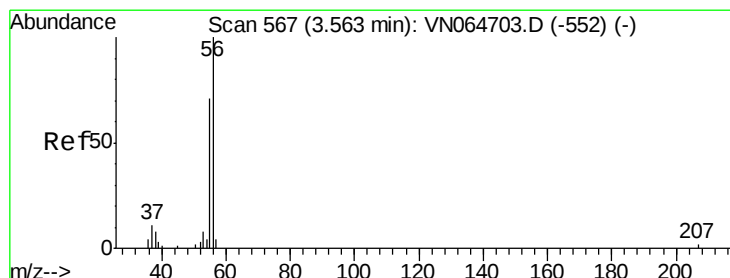
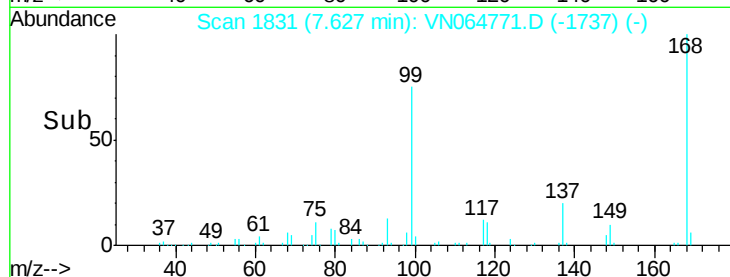
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#13

Acrolein

Concen: 1.212 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064771.D

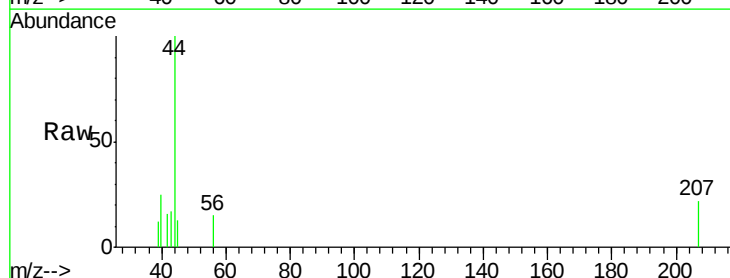
Acq: 20 Nov 2020 9:31

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 0.0 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.57

200

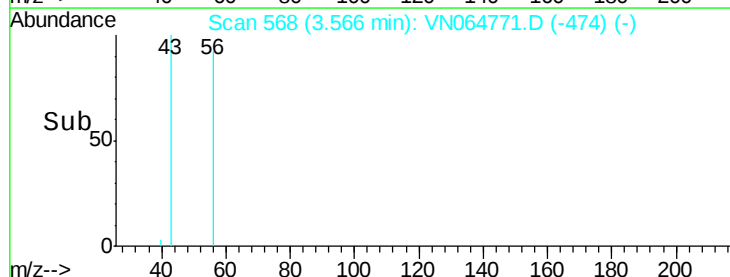
150

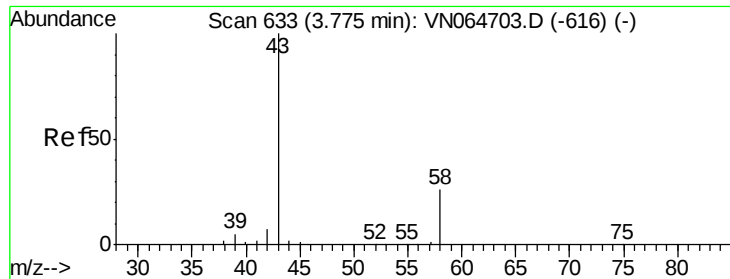
100

50

0

Time--> 3.56 3.57 3.58

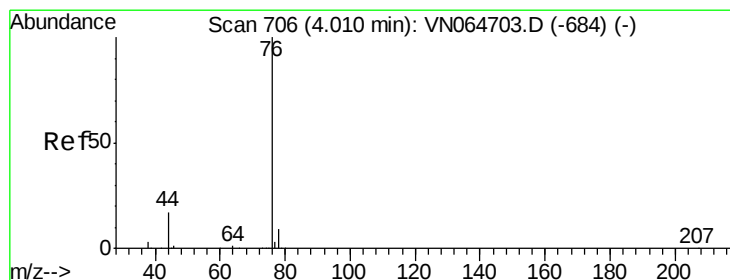
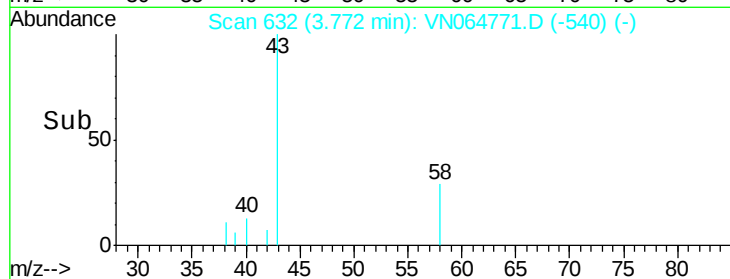
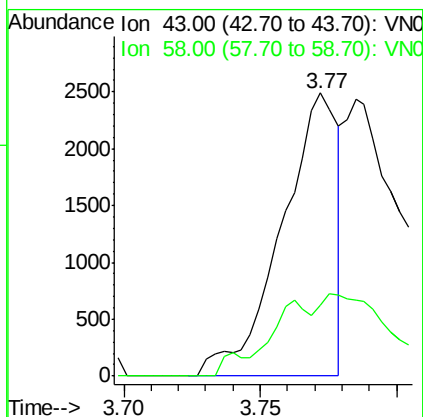
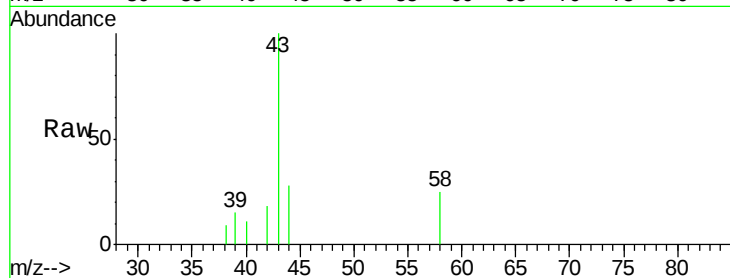




#16
Acetone
Concen: 8.830 ug/l
RT: 3.77 min Scan# 632
Delta R.T. -0.00 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

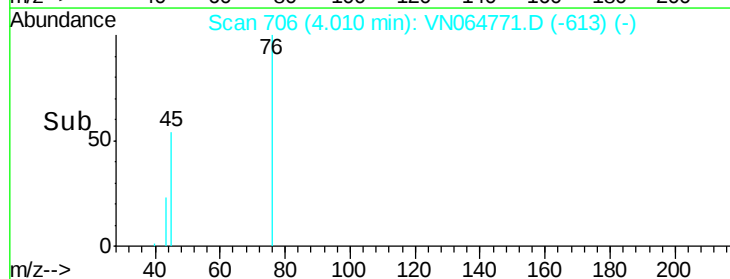
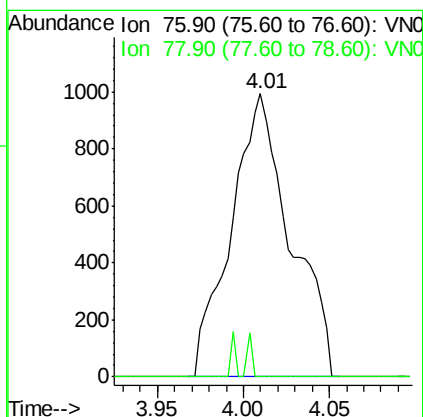
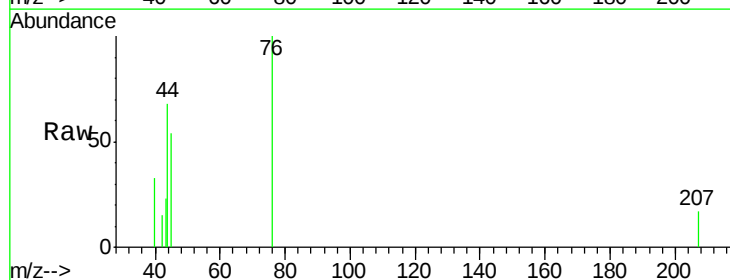
Instrument :
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COMP-1605-1607

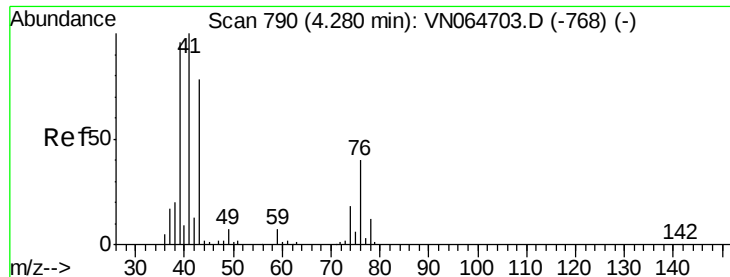
Tgt Ion: 43 Resp: 3547
Ion Ratio Lower Upper
43 100
58 24.9 21.2 31.8



#17
Carbon Disulfide
Concen: 0.483 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

Tgt Ion: 76 Resp: 2391
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

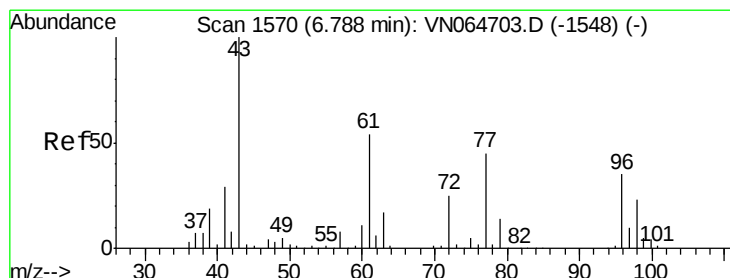
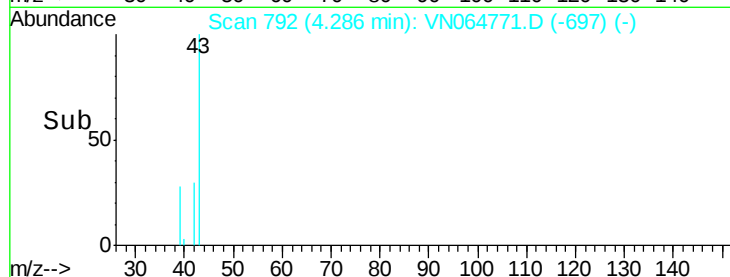
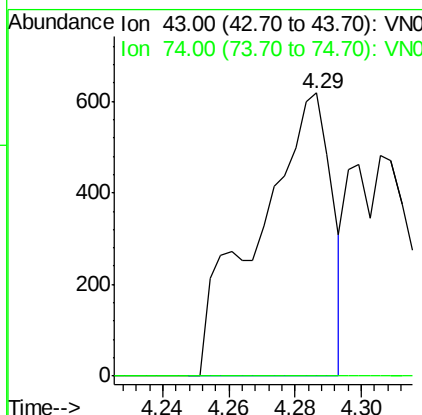
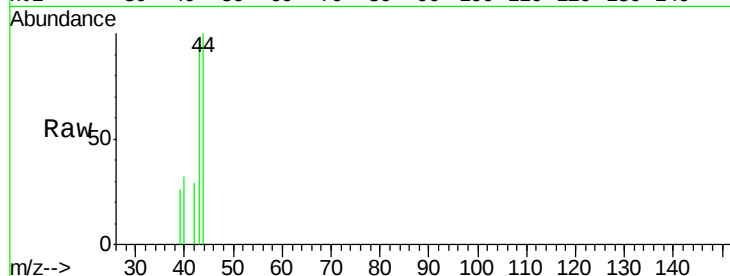




#18
Methyl Acetate
Concen: 1.666 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

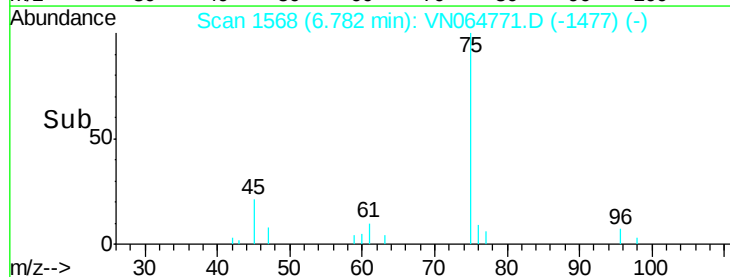
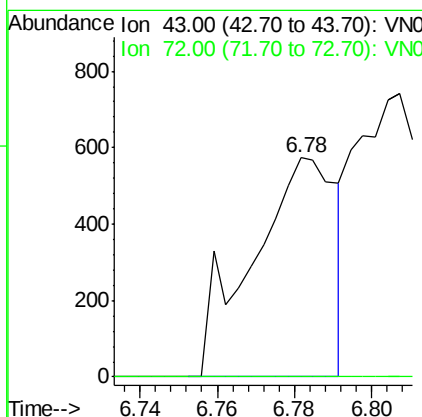
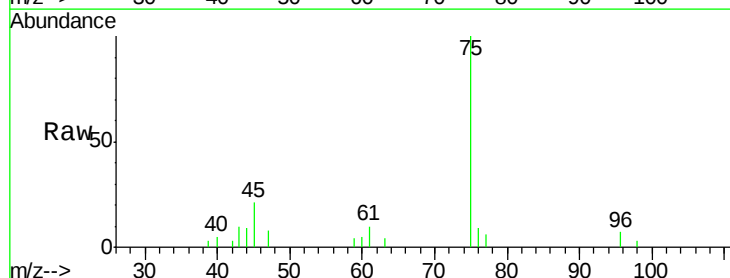
Instrument :
MSVOA_N
ClientSampleId :
COMP-1605-1607

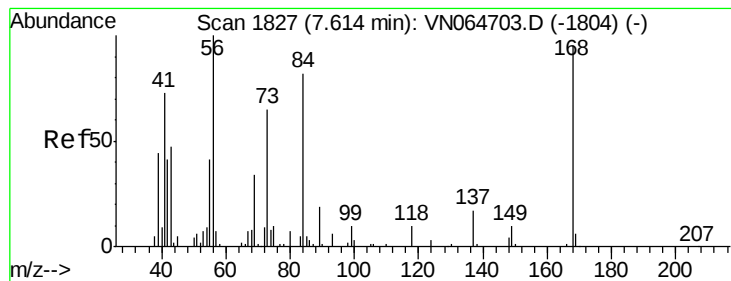
Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#25
2-Butanone
Concen: 0.589 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

Tgt Ion: 43 Resp: 859
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#





#31

Cyclohexane

Concen: 1.626 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN064771.D

Acq: 20 Nov 2020 9:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1605-1607

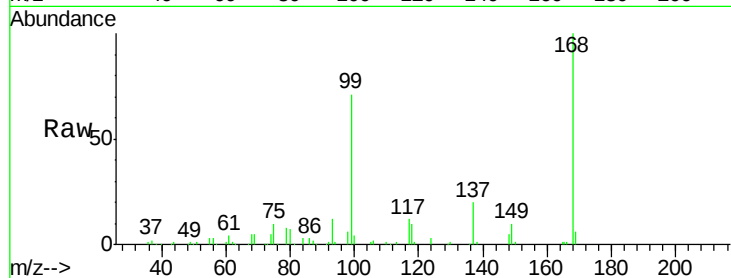
Tgt Ion: 56 Resp: 6705

Ion Ratio Lower Upper

56 100

69 152.6 27.2 40.8#

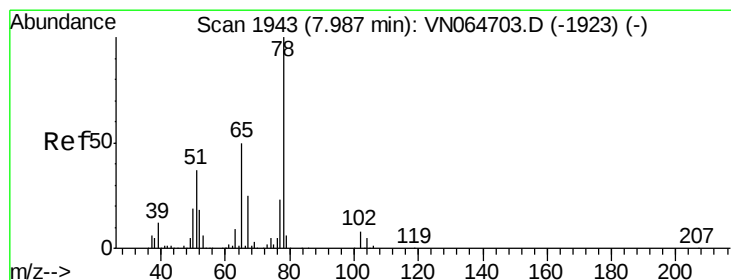
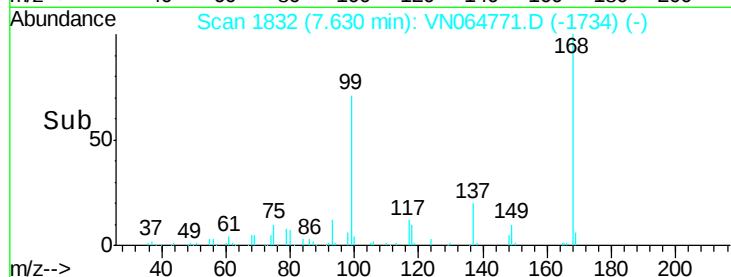
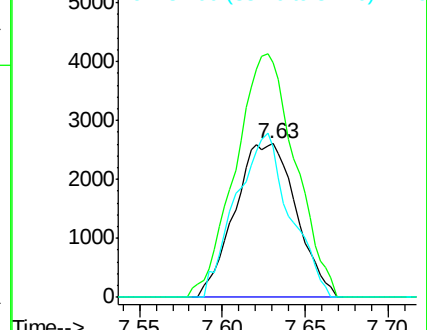
84 97.9 65.9 98.9



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: 55.497 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064771.D

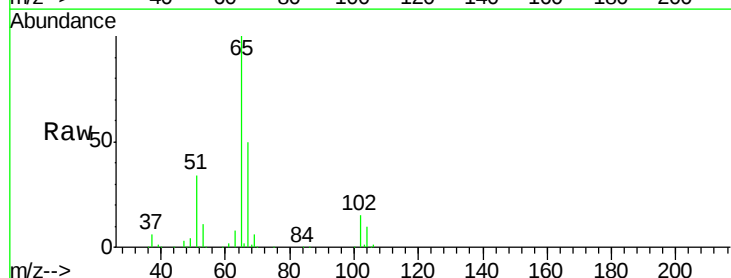
Acq: 20 Nov 2020 9:31

Tgt Ion: 65 Resp: 211664

Ion Ratio Lower Upper

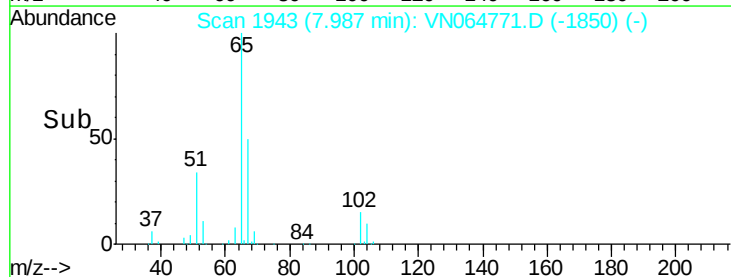
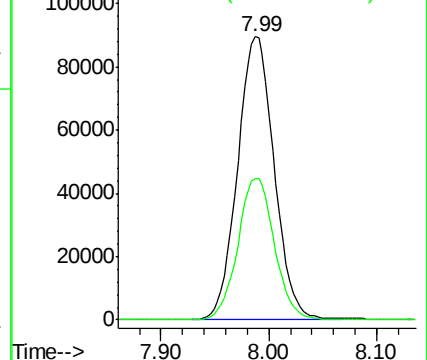
65 100

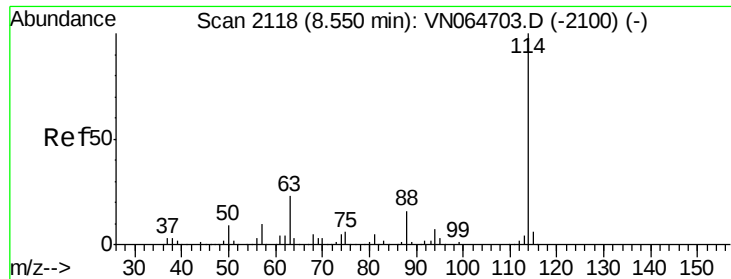
67 49.9 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

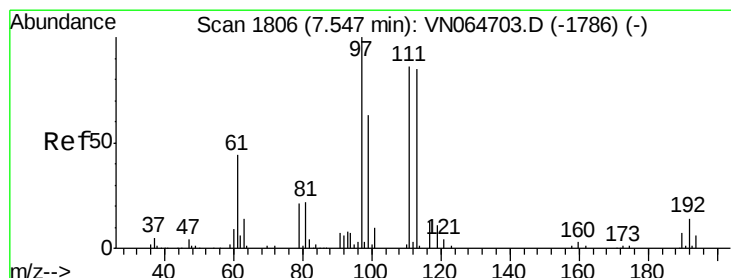
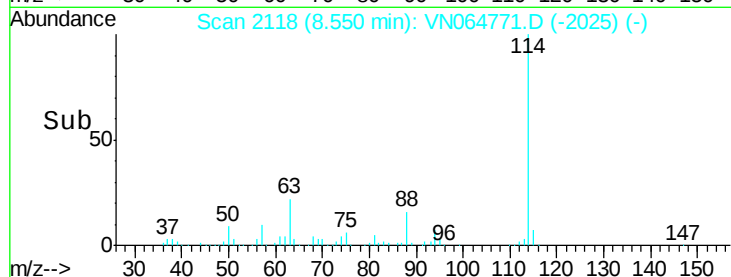
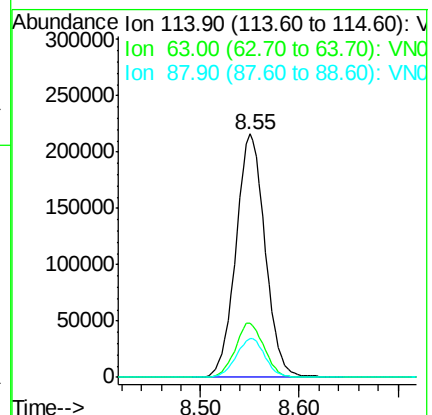
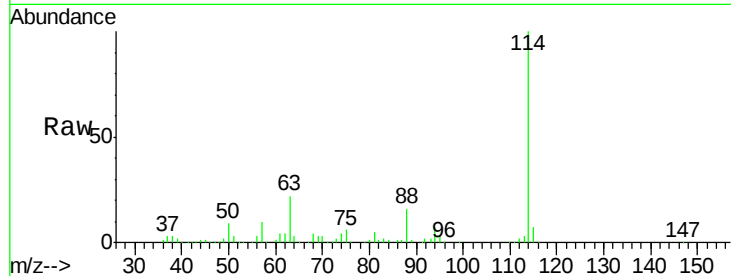




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064771.D
 Acq: 20 Nov 2020 9:31

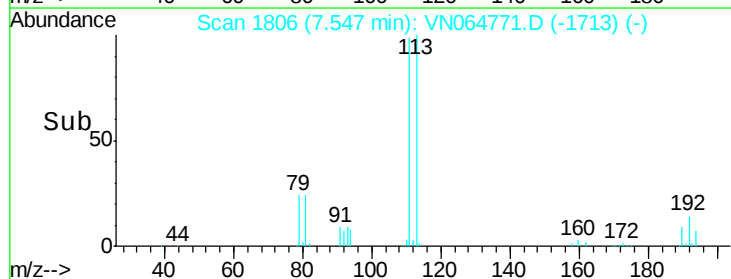
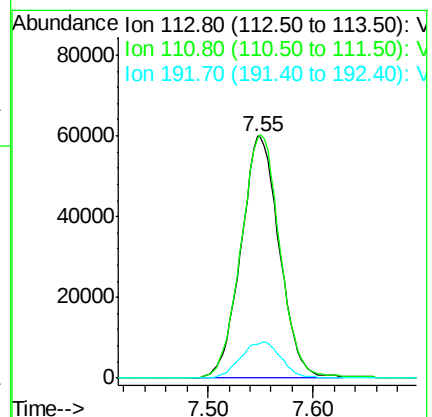
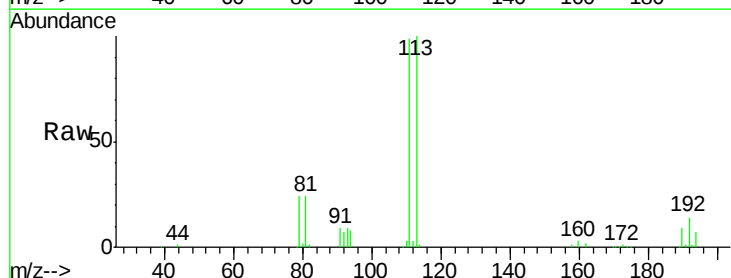
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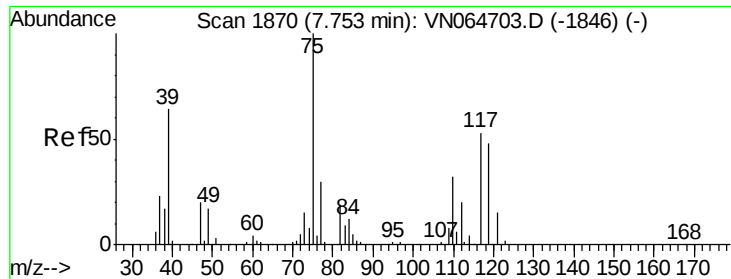
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	46.0
88	15.9	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 59.807 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN064771.D
 Acq: 20 Nov 2020 9:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	15.6	12.7	19.1

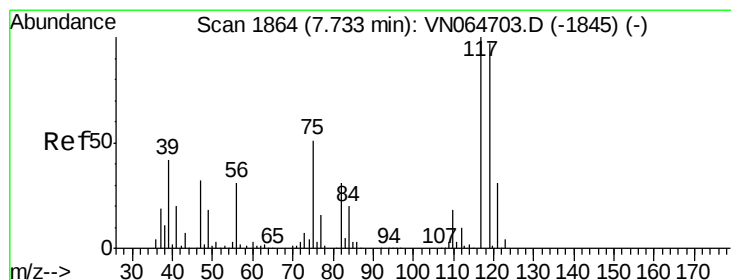
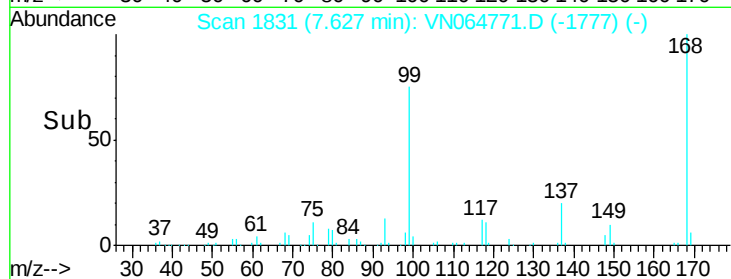
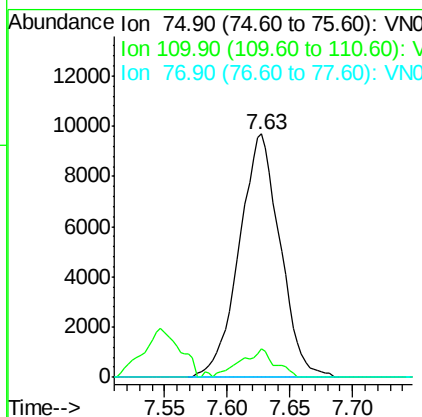
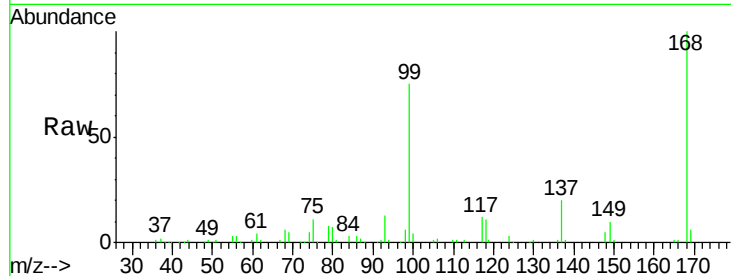




#36
 1,1-Dichloropropene
 Concen: 4.817 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064771.D
 Acq: 20 Nov 2020 9:31

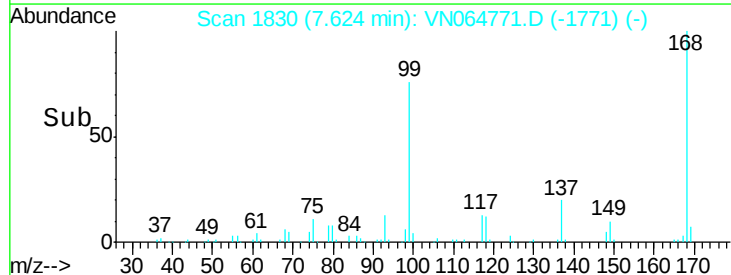
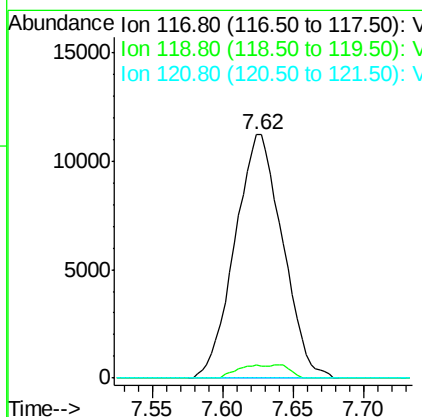
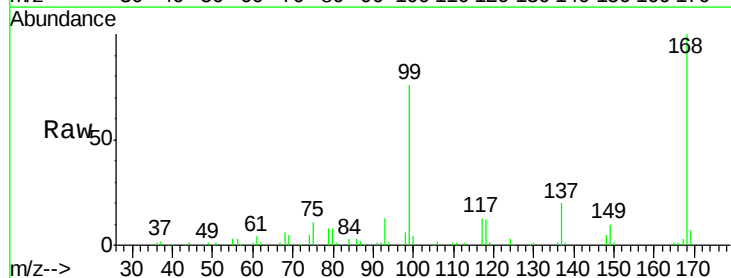
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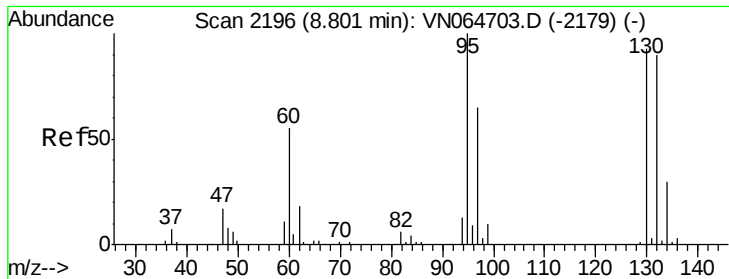
Tgt Ion: 75 Resp: 22018
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.2 48.6#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.464 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064771.D
 Acq: 20 Nov 2020 9:31

Tgt Ion: 117 Resp: 26544
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.8 116.6#
 121 0.0 24.9 37.3#





#44

Trichloroethene

Concen: 0.285 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064771.D

Acq: 20 Nov 2020 9:31

Instrument :

MSVOA_N

ClientSampleId :

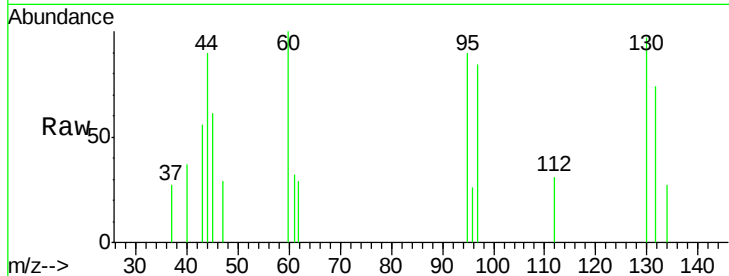
COMP-1605-1607

Tgt Ion:130 Resp: 1043

Ion Ratio Lower Upper

130 100

95 93.1 0.0 214.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

800

600

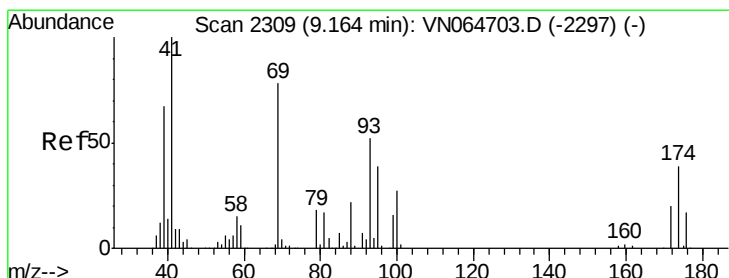
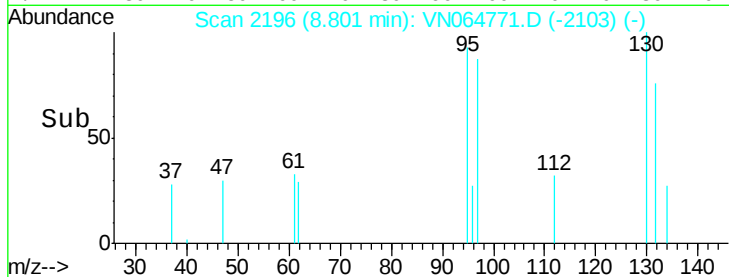
400

200

0

8.76 8.78 8.80 8.82 8.84

Time-->



#48

Methyl methacrylate

Concen: 0.351 ug/l

RT: 9.13 min Scan# 2299

Delta R.T. -0.03 min

Lab File: VN064771.D

Acq: 20 Nov 2020 9:31

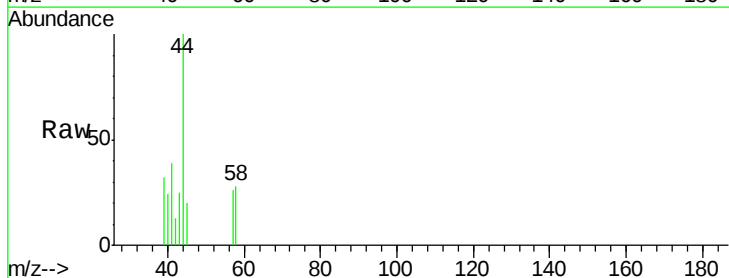
Tgt Ion: 41 Resp: 1228

Ion Ratio Lower Upper

41 100

69 0.0 62.3 93.5#

39 97.3 55.1 82.7#



Abundance Ion 41.00 (40.70 to 41.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 39.00 (38.70 to 39.70): VN

800

600

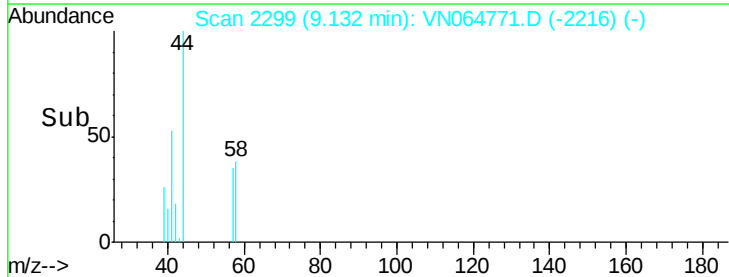
400

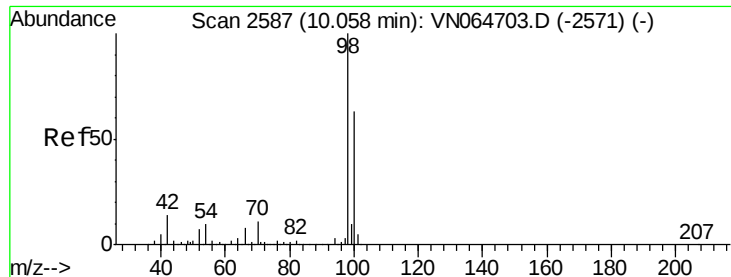
200

0

9.10 9.15

Time-->





#50

Toluene-d8

Concen: 49.801 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064771.D

Acq: 20 Nov 2020 9:31

Instrument :

MSVOA_N

ClientSampleId :

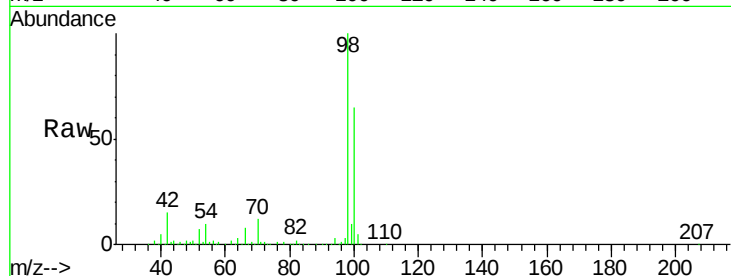
COMP-1605-1607

Tgt Ion: 98 Resp: 572408

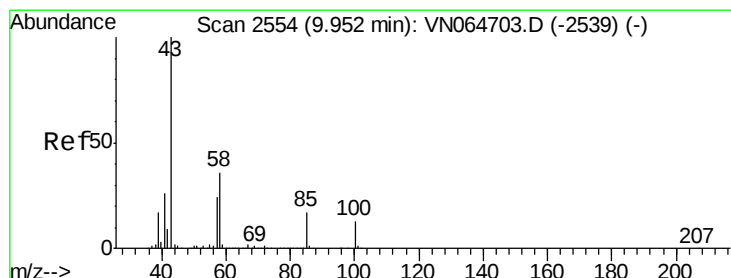
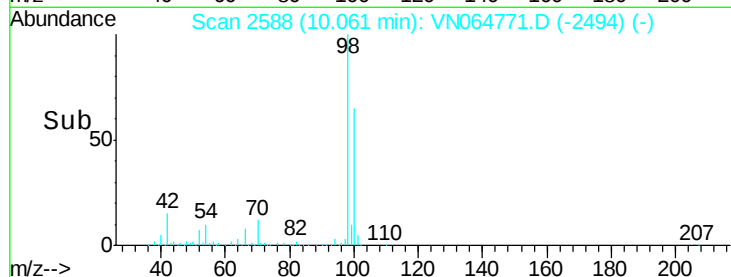
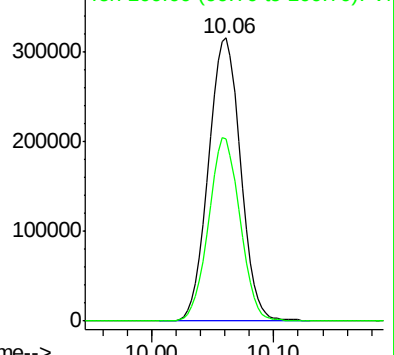
Ion Ratio Lower Upper

98 100

100 63.6 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064703.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 6.554 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN064771.D

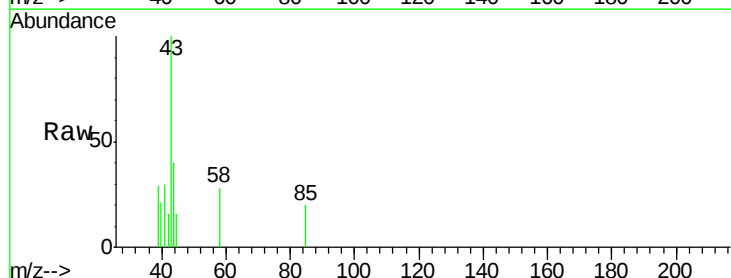
Acq: 20 Nov 2020 9:31

Tgt Ion: 43 Resp: 1948

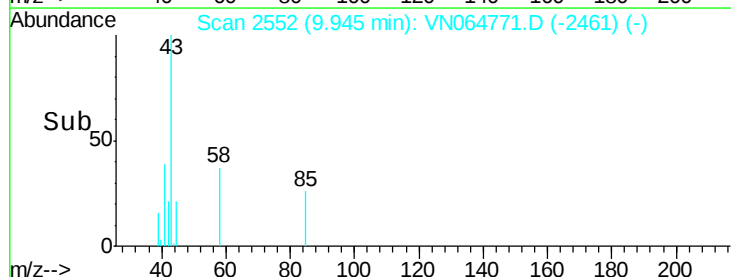
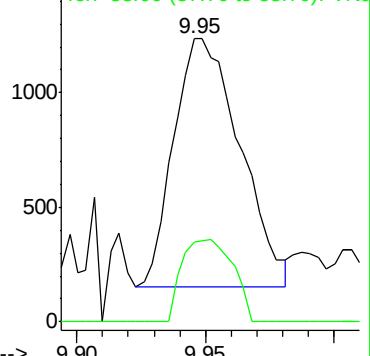
Ion Ratio Lower Upper

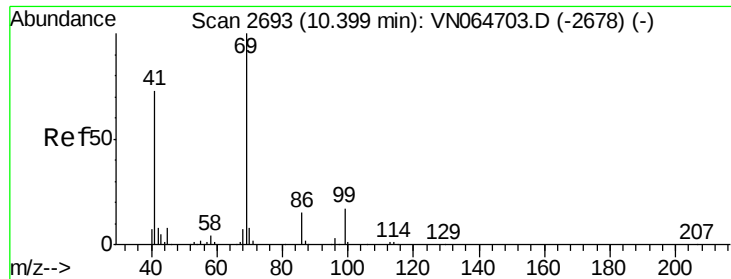
43 100

58 25.6 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-2539) (-)





#56

Ethyl methacrylate

Concen: 2.691 ug/l

RT: 10.66 min Scan# 2773

Delta R.T. 0.26 min

Lab File: VN064771.D

Acq: 20 Nov 2020 9:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1605-1607

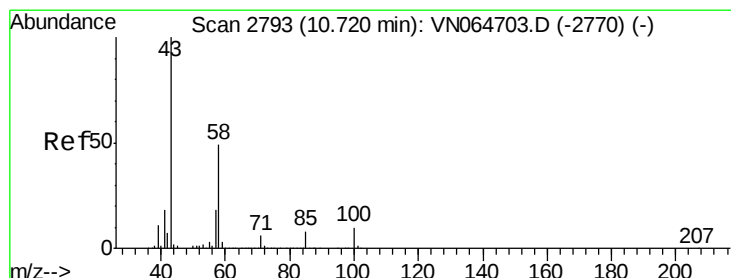
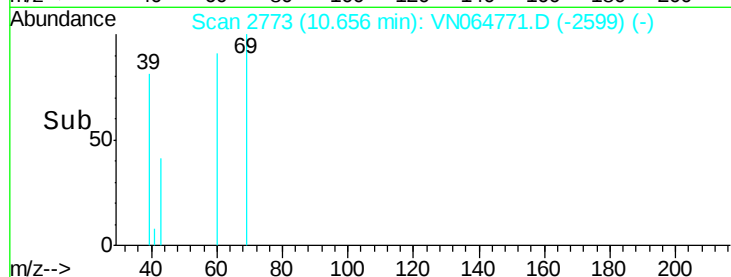
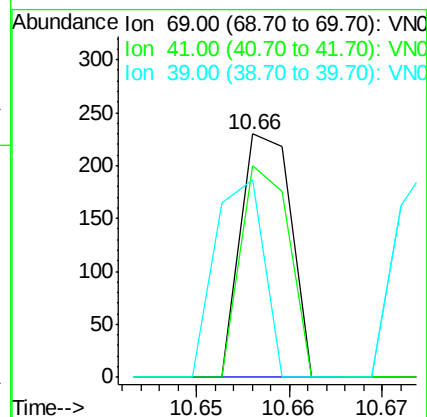
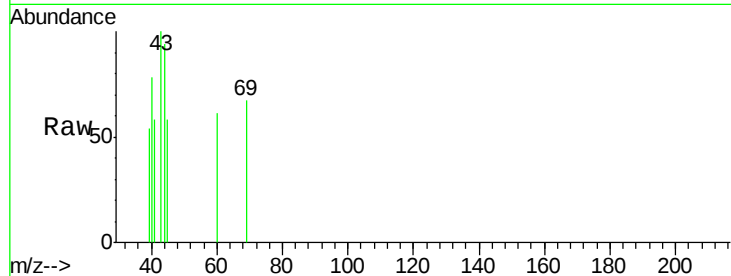
Tgt Ion: 69 Resp: 86

Ion Ratio Lower Upper

69 100

41 83.7 59.0 88.4

39 79.1 38.4 57.6#



#59

2-Hexanone

Concen: 8.570 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN064771.D

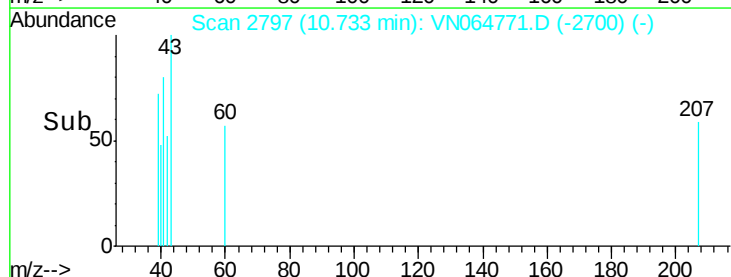
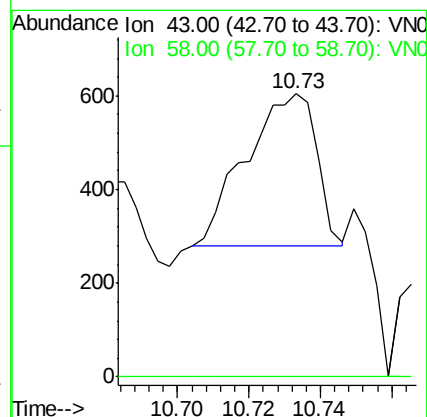
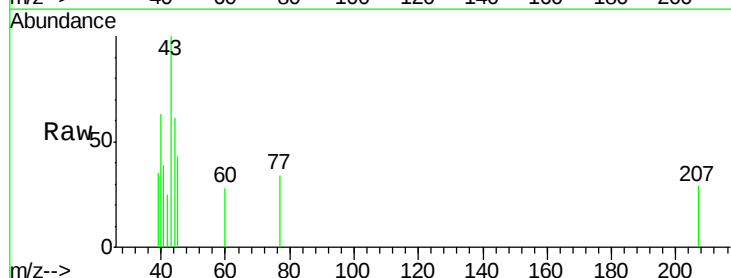
Acq: 20 Nov 2020 9:31

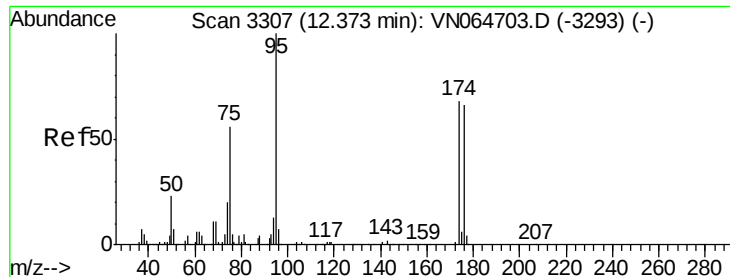
Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

58 0.0 24.4 73.4#





#62

4-Bromofluorobenzene

Concen: 57.519 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064771.D

Acq: 20 Nov 2020 9:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1605-1607

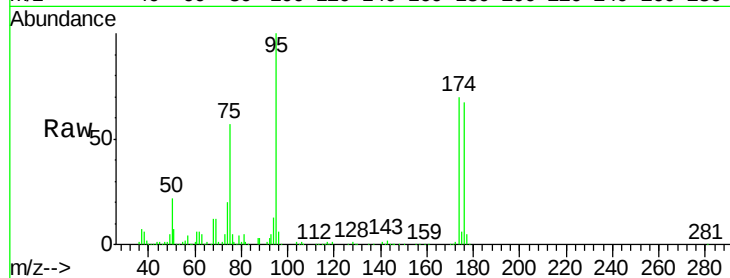
Tgt Ion: 95 Resp: 247110

Ion Ratio Lower Upper

95 100

174 70.1 0.0 136.8

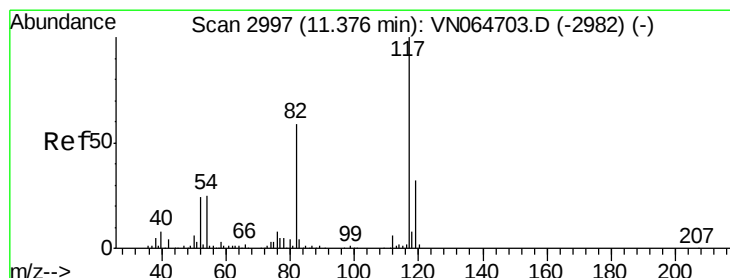
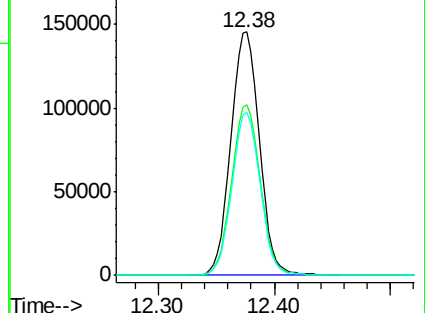
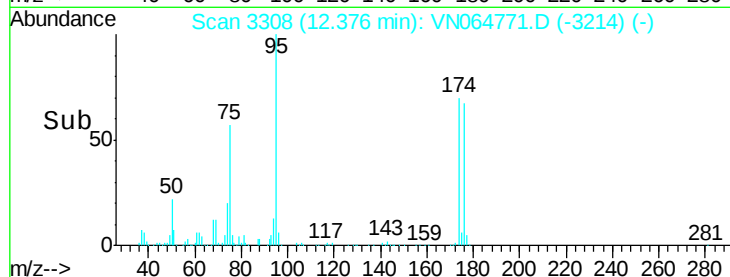
176 65.8 0.0 134.2



Abundance Ion 94.90 (94.60 to 95.60): VN064771.D (-3214) (-)

Ion 173.80 (173.50 to 174.50): VN064771.D (-3214) (-)

Ion 175.80 (175.50 to 176.50): VN064771.D (-3214) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064771.D

Acq: 20 Nov 2020 9:31

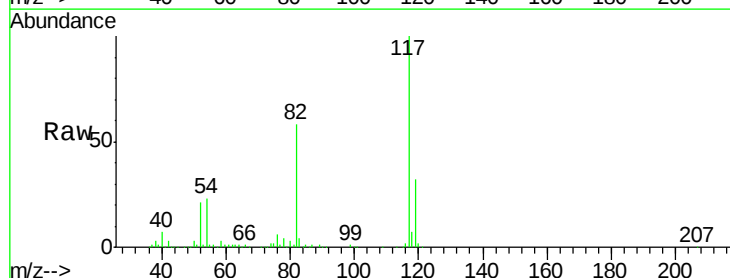
Tgt Ion: 117 Resp: 623812

Ion Ratio Lower Upper

117 100

82 57.5 47.0 70.6

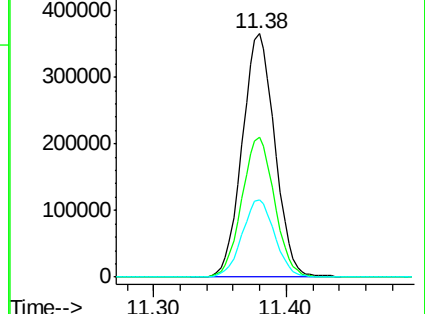
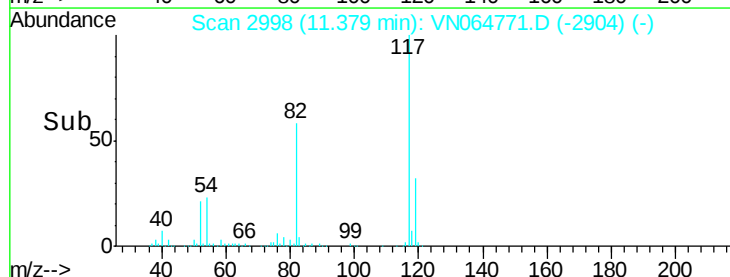
119 32.0 25.4 38.2

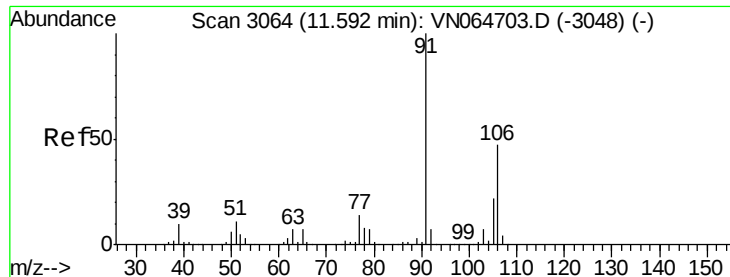


Abundance Ion 116.90 (116.60 to 117.60): VN064771.D (-2904) (-)

Ion 82.00 (81.70 to 82.70): VN064771.D (-2904) (-)

Ion 118.90 (118.60 to 119.60): VN064771.D (-2904) (-)

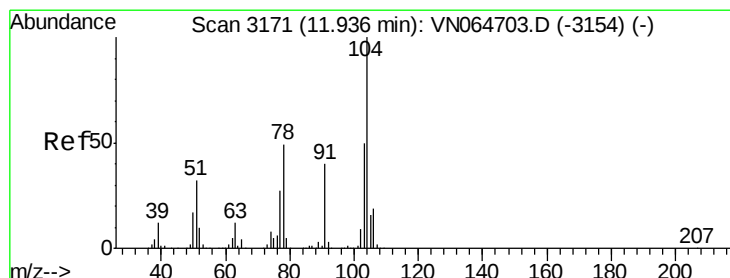
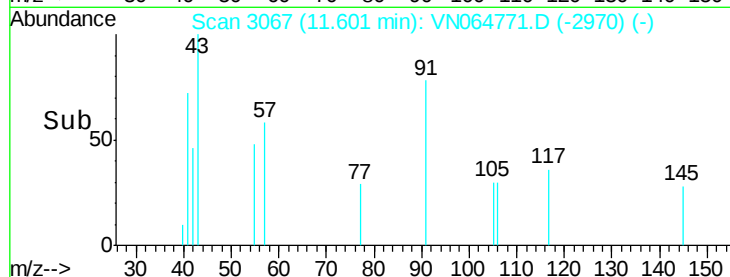
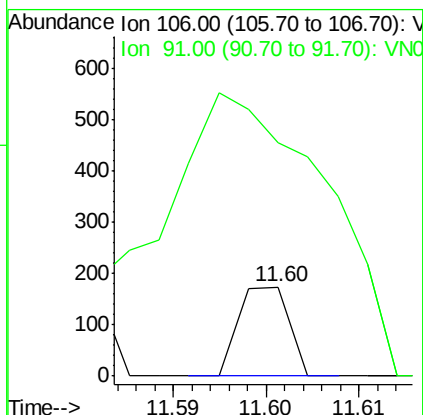
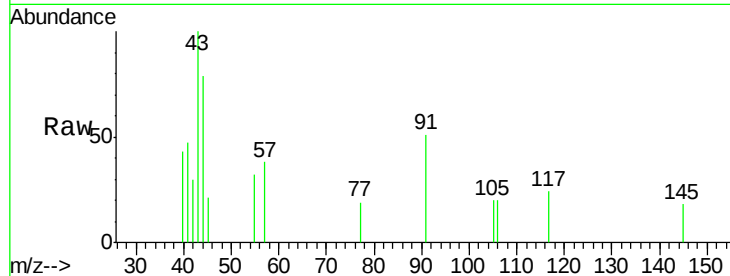




#68
m/p-Xylenes
Concen: 4.069 ug/l
RT: 11.60 min Scan# 3067
Delta R.T. 0.01 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

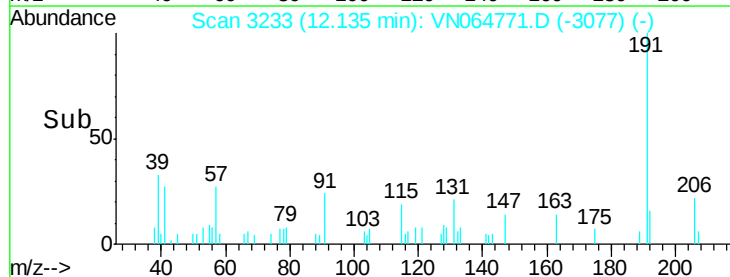
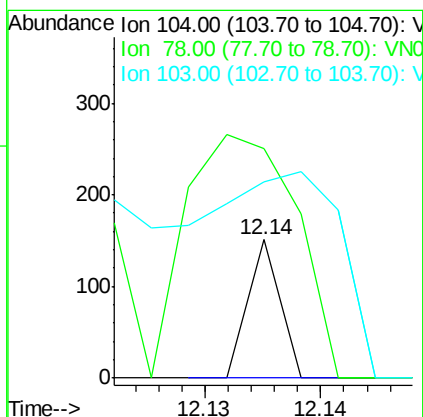
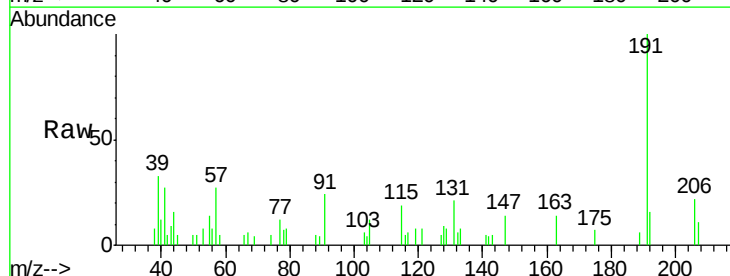
Instrument :
MSVOA_N
ClientSampleId :
COMP-1605-1607

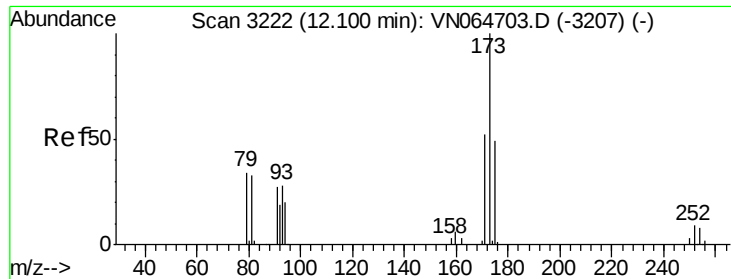
Tgt Ion:106 Resp: 66
Ion Ratio Lower Upper
106 100
91 1063.6 171.9 257.9#



#70
Styrene
Concen: 2.538 ug/l
RT: 12.14 min Scan# 3233
Delta R.T. 0.20 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

Tgt Ion:104 Resp: 29
Ion Ratio Lower Upper
104 100
78 600.0 44.1 66.1#
103 541.4 43.7 65.5#

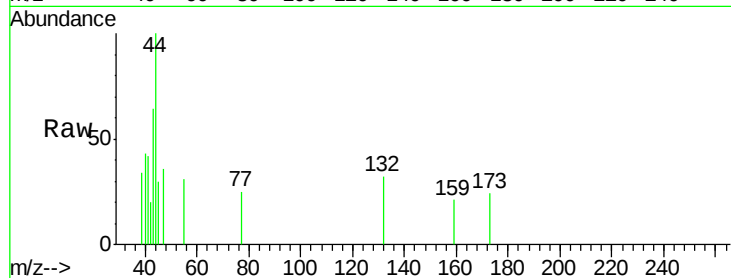




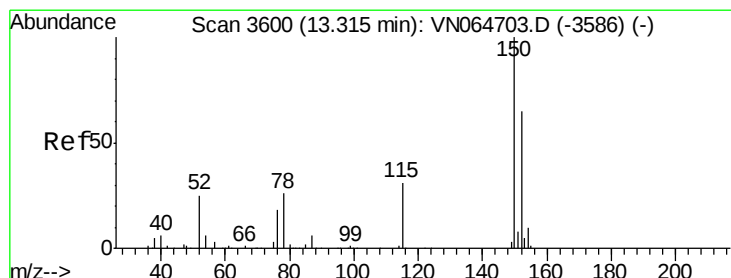
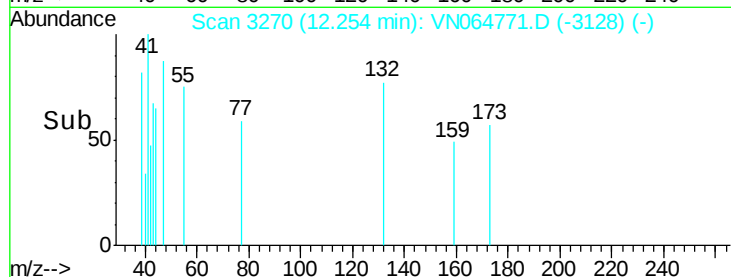
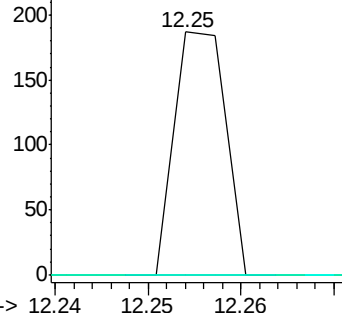
#71
Bromoform
Concen: 2.464 ug/l
RT: 12.25 min Scan# 3270
Delta R.T. 0.16 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:173 Resp: 72
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.9#
254 0.0 0.1 0.1#

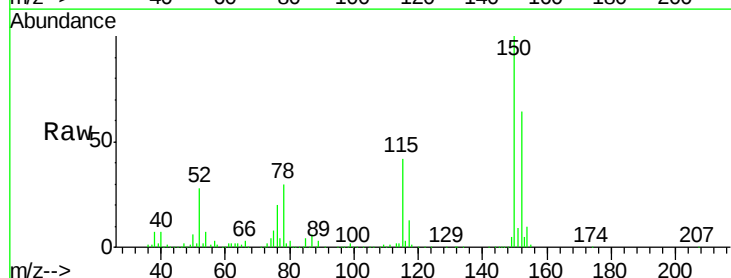


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

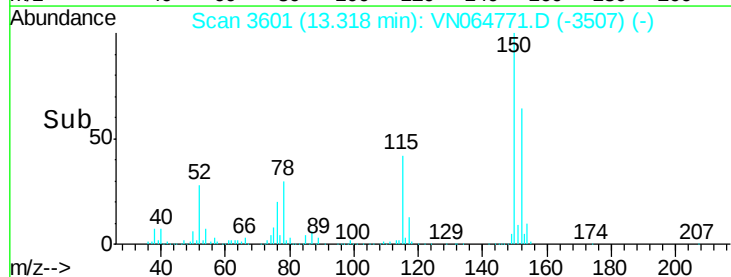
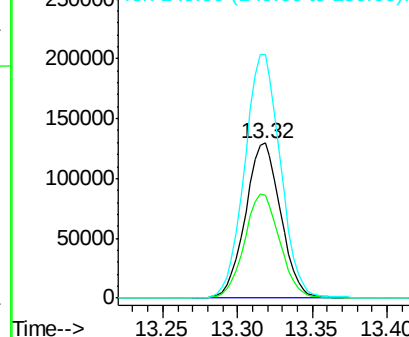


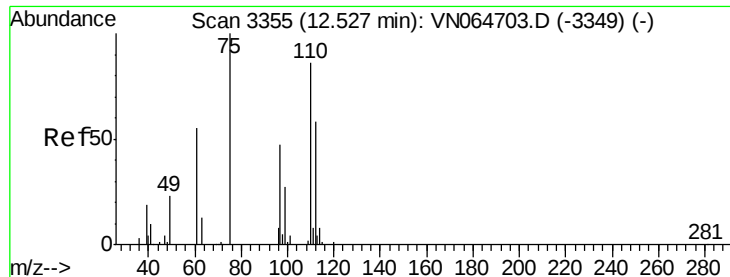
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064771.D
Acq: 20 Nov 2020 9:31

Tgt Ion:152 Resp: 212975
Ion Ratio Lower Upper
152 100
115 67.4 32.1 96.3
150 160.0 0.0 344.8



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

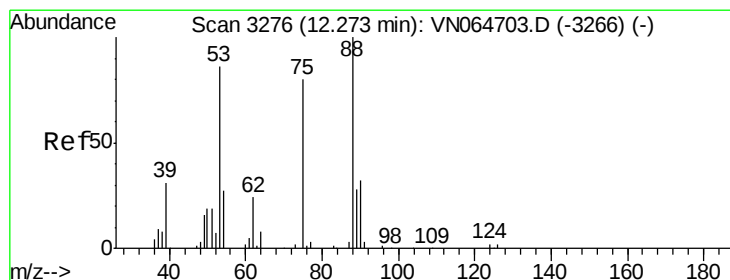
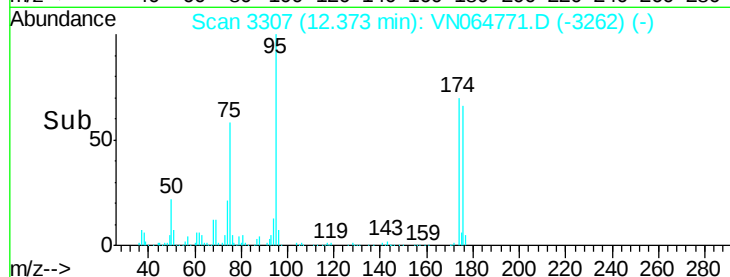
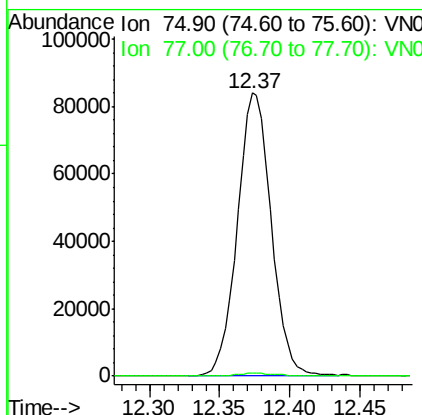
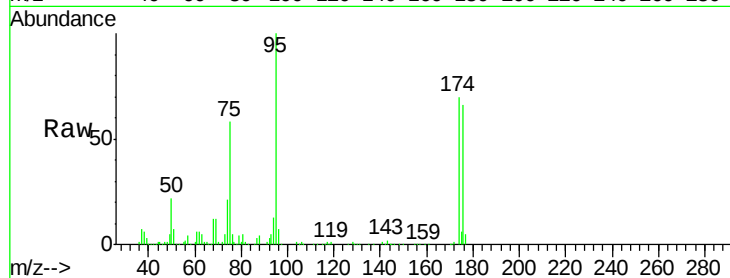




#76
 1,2,3-Trichloropropane
 Concen: 30.866 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064771.D
 Acq: 20 Nov 2020 9:31

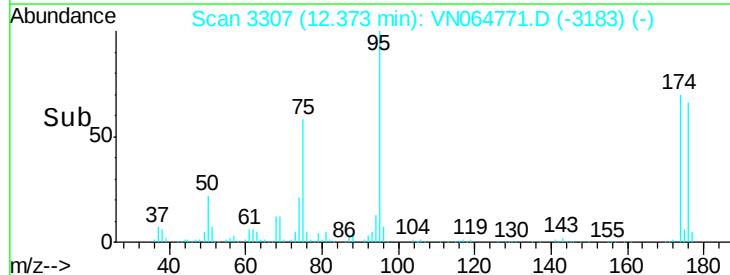
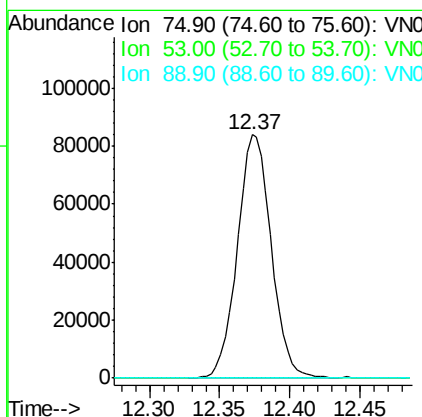
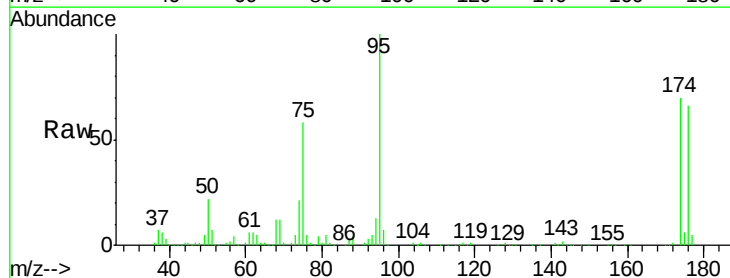
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1605-1607

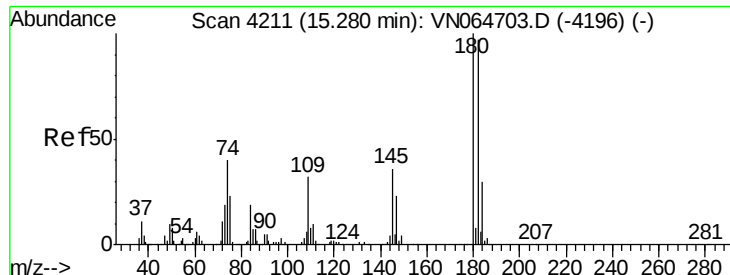
Tgt Ion: 75 Resp: 141642
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.640 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064771.D
 Acq: 20 Nov 2020 9:31

Tgt Ion: 75 Resp: 141642
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.8 133.2#
 89 0.0 43.1 64.7#





#96

1,2,3-Trichlorobenzene

Concen: 0.776 ug/l

RT: 15.41 min Scan# 4251

Delta R.T. 0.13 min

Lab File: VN064771.D

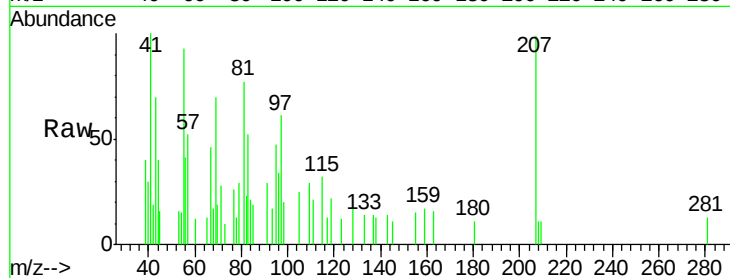
Acq: 20 Nov 2020 9:31

Instrument :

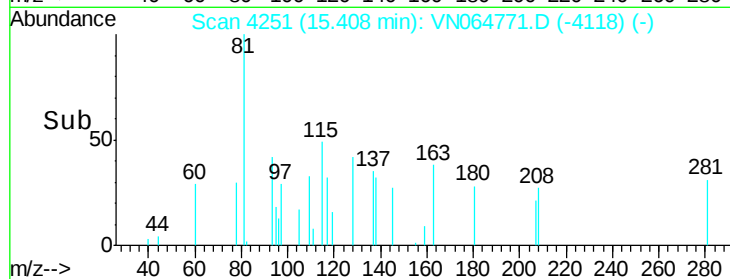
MSVOA_N

ClientSampleId :

COMP-1605-1607



Tgt Ion:	180	Resp:	64
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.5	142.5#
145	50.0	18.1	54.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

