

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040620\
 Data File : VN060864.D
 Acq On : 6 Apr 2020 20:06
 Operator : JC/MD
 Sample : L2162-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-54-53-COMP

Quant Time: Apr 07 07:08:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	194270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	303212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	124340	46.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.24%	
35) Dibromofluoromethane	7.56	113	95752	49.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.42%	
50) Toluene-d8	10.08	98	402282	50.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	148152	50.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.74%	

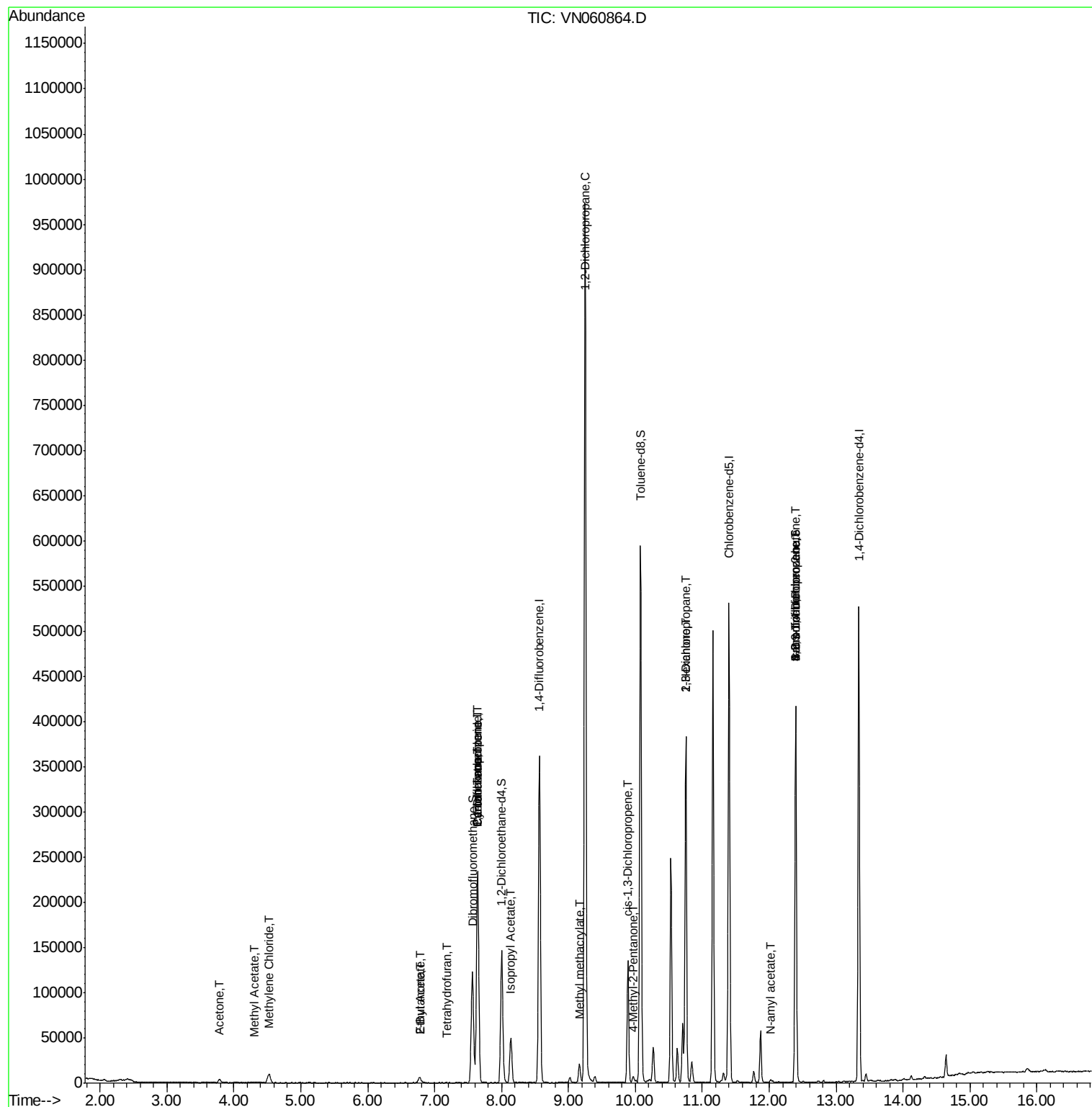
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	6848	7.249	ug/l	100
18) Methyl Acetate	4.30	43	2245	0.844	ug/l #	60
20) Methylene Chloride	4.53	84	7890	3.395	ug/l	98
25) 2-Butanone	6.80	43	1491	0.975	ug/l #	50
29) Tetrahydrofuran	7.18	42	226	0.209	ug/l #	35
31) Cyclohexane	7.64	56	4079	0.950	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15165	4.867	ug/l #	50
37) Ethyl Acetate	6.80	43	1491	0.443	ug/l #	70
38) Carbon Tetrachloride	7.64	117	18552	6.644	ug/l #	17
43) Isopropyl Acetate	8.14	43	61155	11.015	ug/l #	92
45) 1,2-Dichloropropane	9.25	63	986	0.397	ug/l #	43
48) Methyl methacrylate	9.16	41	3093	1.251	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	4388	1.389	ug/l	96
54) cis-1,3-Dichloropropene	9.89	75	24096	6.133	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3993	1.053	ug/l #	42
59) 2-Hexanone	10.75	43	56227	24.705	ug/l #	51
71) Bromoform	12.40	173	320	1.851	ug/l #	1
74) N-amyl acetate	12.02	43	3716	0.779	ug/l #	45
76) 1,2,3-Trichloropropane	12.39	75	74985	25.265	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	74985	64.887	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Instrument :

MSVOA_N

ClientSampleId :

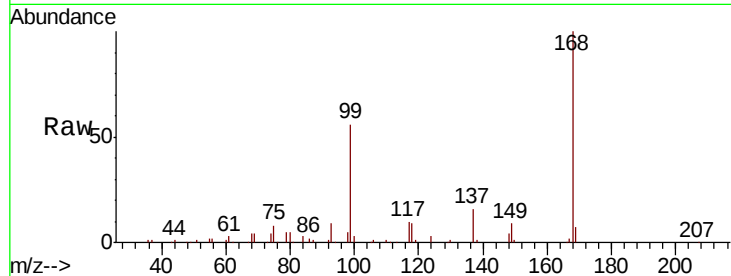
TP-54-53-COMP

Tot Ion:168 Resp: 194270

Ion Ratio Lower Upper

168 100

99 56.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060864.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN060864.D (-1733) (-)

7.64

80000

60000

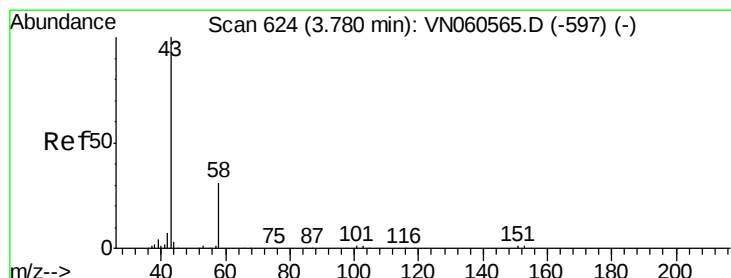
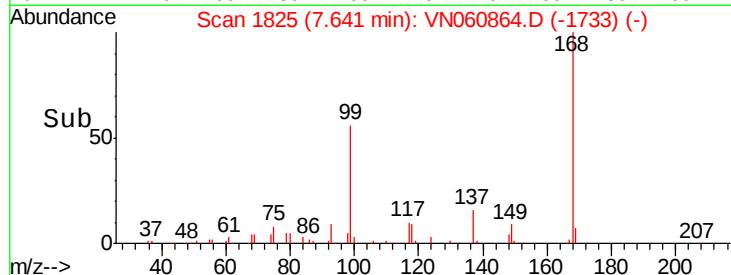
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.249 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060864.D

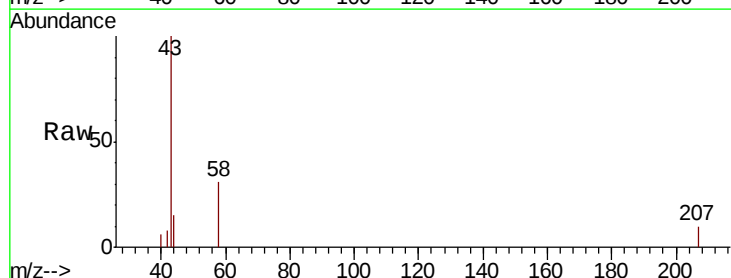
Acq: 6 Apr 2020 20:06

Tgt Ion: 43 Resp: 6848

Ion Ratio Lower Upper

43 100

58 31.3 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060864.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060864.D (-531) (-)

3.78

2500

2000

1500

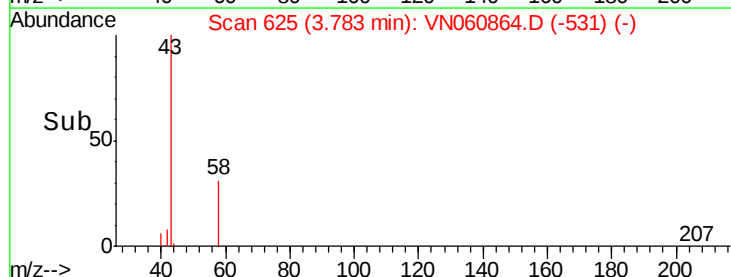
1000

500

0

3.70 3.75 3.80 3.85 3.90

Time-->

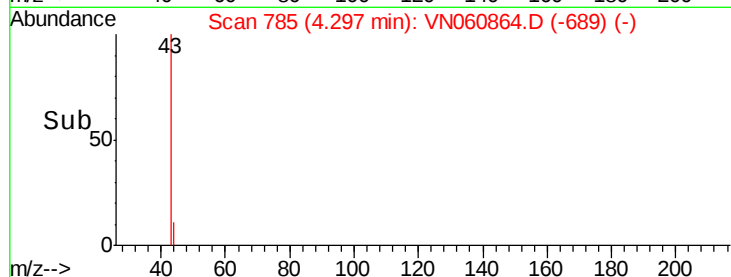
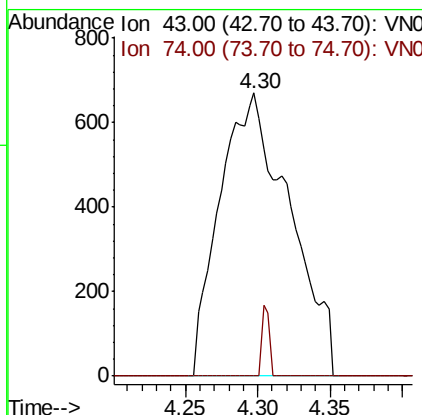
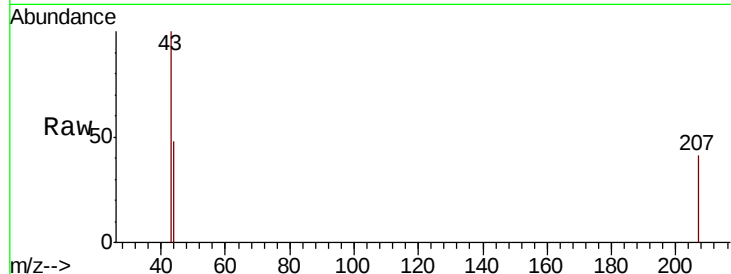




#18
Methyl Acetate
Concen: 0.844 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

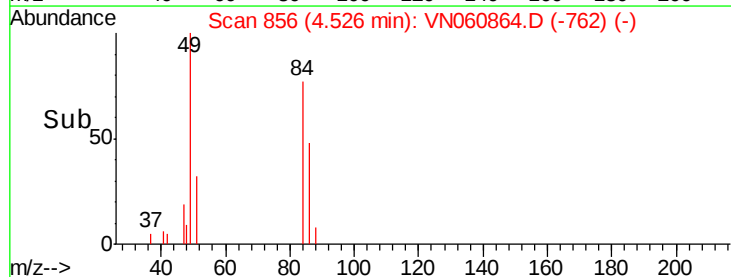
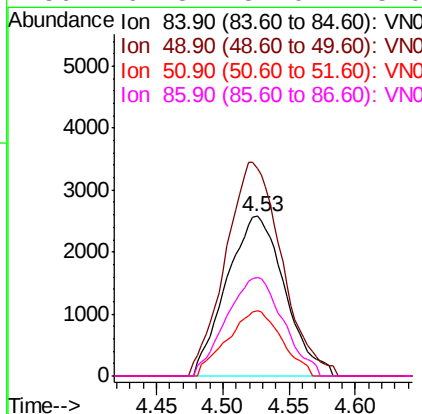
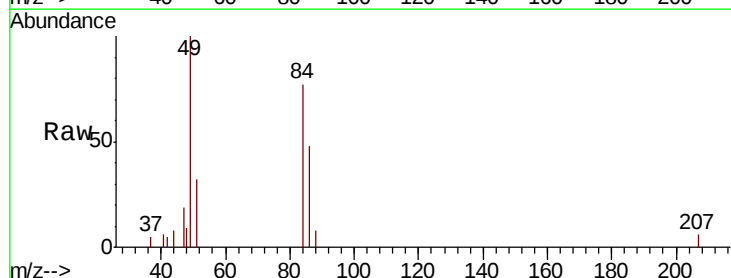
Instrument :
MSVOA_N
ClientSampleId :
TP-54-53-COMP

Tot Ion: 43 Resp: 2245
Ion Ratio Lower Upper
43 100
74 2.7 17.5 26.3#



#20
Methylene Chloride
Concen: 3.395 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

Tgt Ion: 84 Resp: 7890
Ion Ratio Lower Upper
84 100
49 129.6 103.3 154.9
51 41.2 31.6 47.4
86 61.8 52.0 78.0





#25

2-Butanone

Concen: 0.975 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Instrument :

MSVOA_N

ClientSampleId :

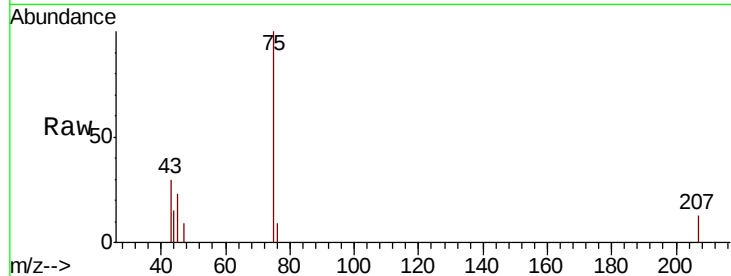
TP-54-53-COMP

Tot Ion: 43 Resp: 1491

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



Abundance Ion 43.00 (42.70 to 43.70): VN060864.D (-1537) (-)

Ion 72.00 (71.70 to 72.70): VN060864.D (-1537) (-)

6.80

500

400

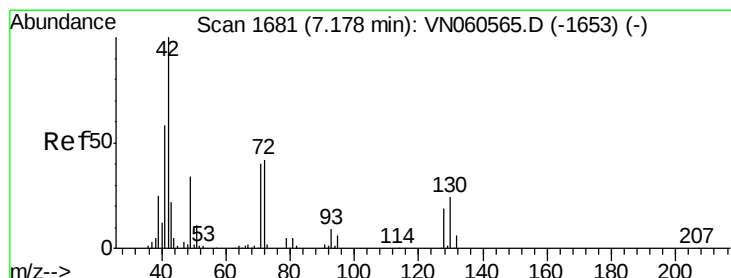
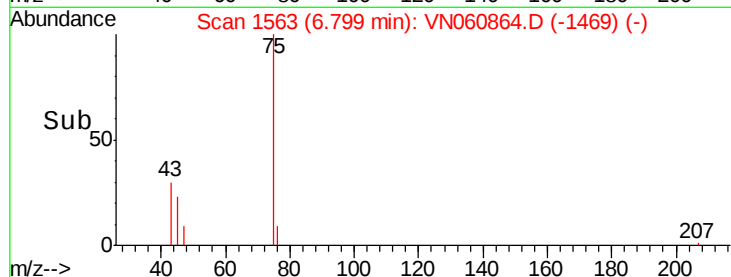
300

200

100

0

Time-->



#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

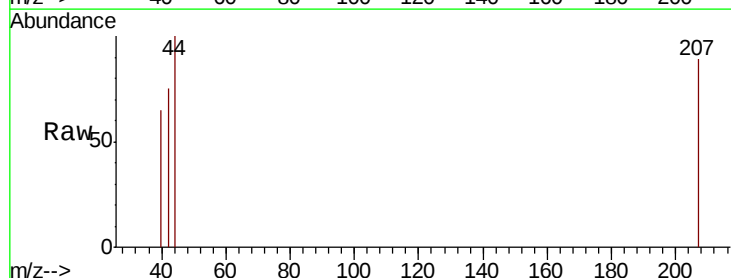
Tgt Ion: 42 Resp: 226

Ion Ratio Lower Upper

42 100

72 0.0 33.2 49.8#

71 0.0 31.1 46.7#



Abundance Ion 42.00 (41.70 to 42.70): VN060864.D (-1653) (-)

Ion 72.00 (71.70 to 72.70): VN060864.D (-1653) (-)

Ion 71.00 (70.70 to 71.70): VN060864.D (-1653) (-)

250

200

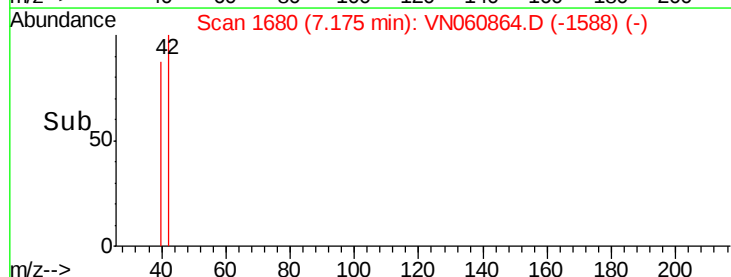
150

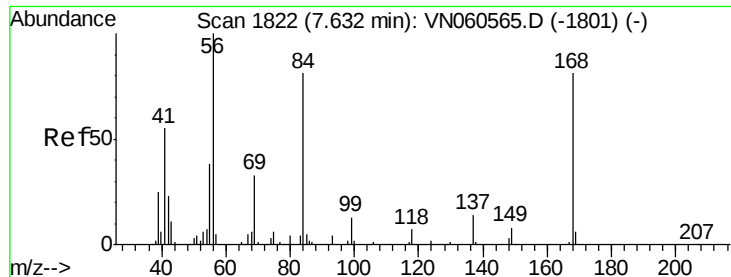
100

50

0

Time-->

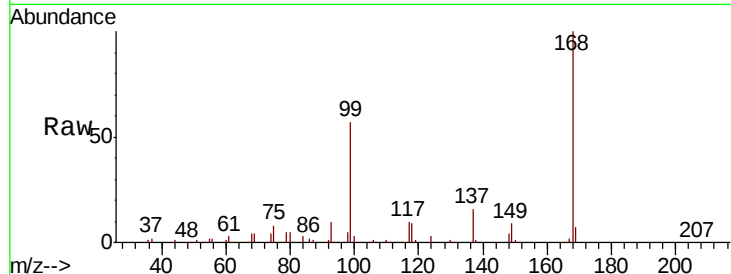




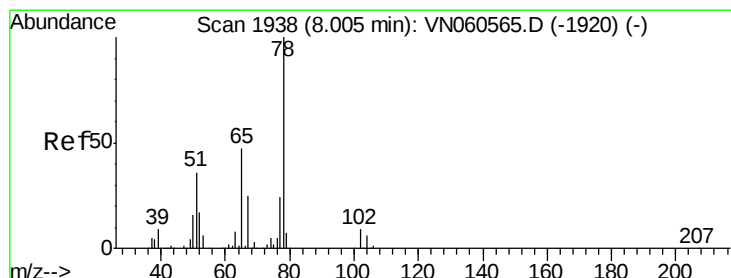
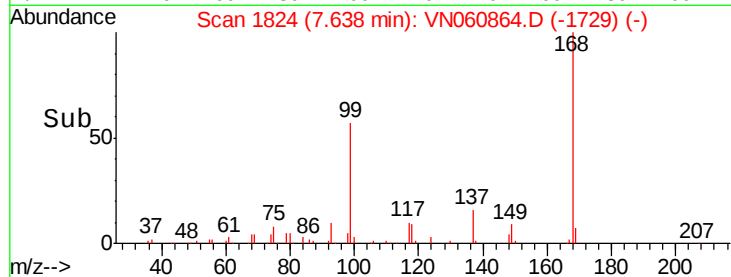
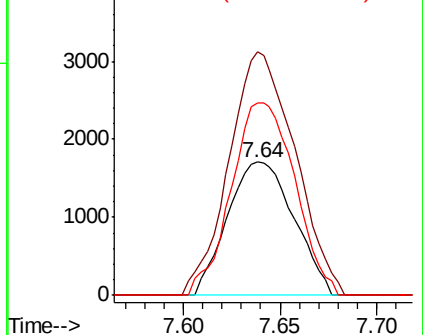
#31
Cyclohexane
Concen: 0.950 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

Instrument :
MSVOA_N
ClientSampleId :
TP-54-53-COMP

Tot Ion: 56 Resp: 4079
Ion Ratio Lower Upper
56 100
69 173.3 26.6 40.0#
84 145.0 64.3 96.5#

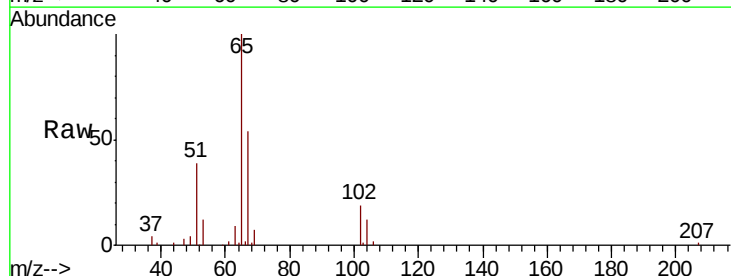


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

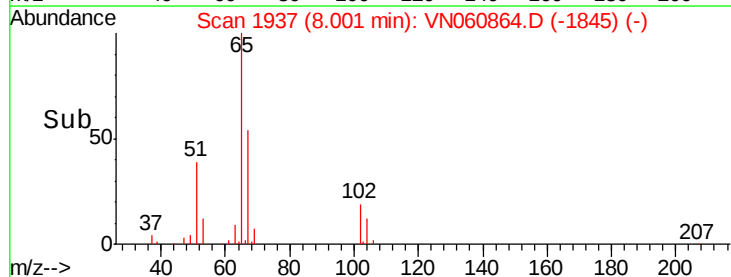
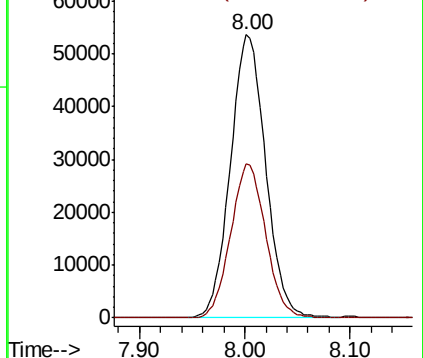


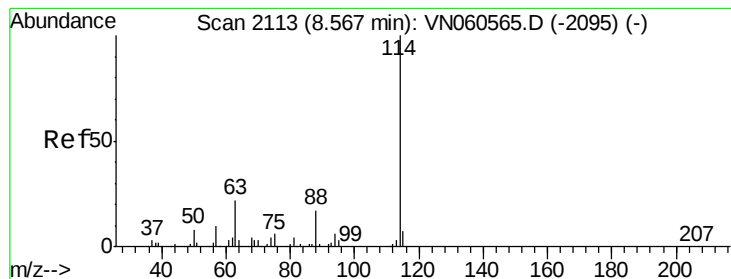
#33
1,2-Dichloroethane-d4
Concen: 46.624 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

Tgt Ion: 65 Resp: 124340
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.6



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: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Instrument :

MSVOA_N

ClientSampleId :

TP-54-53-COMP

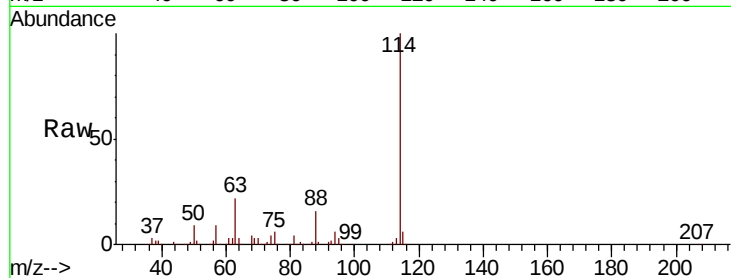
Tot Ion:114 Resp: 321770

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

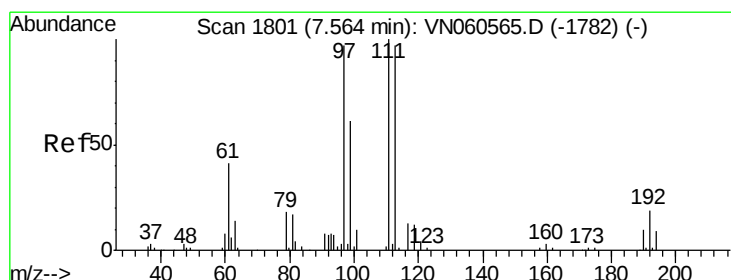
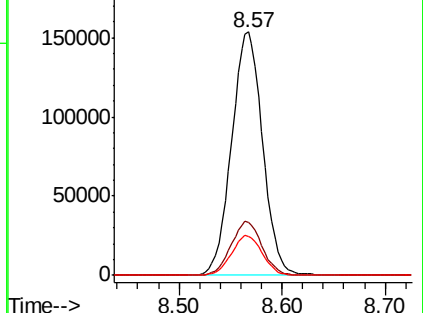
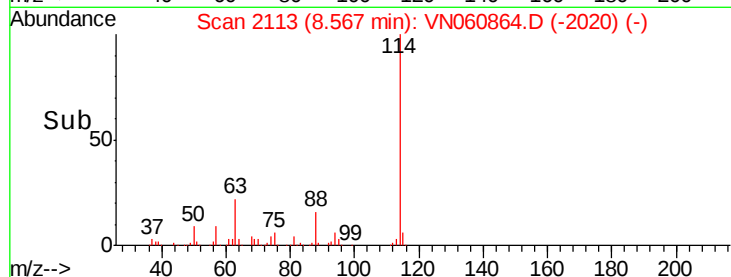
88 16.2 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.214 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

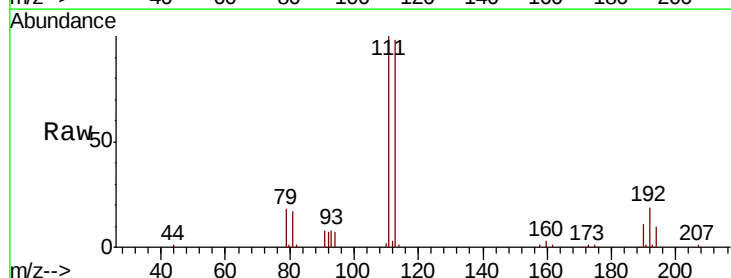
Tgt Ion:113 Resp: 95752

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

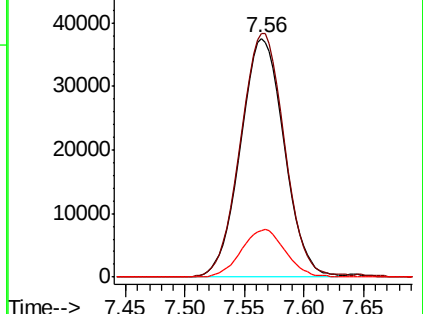
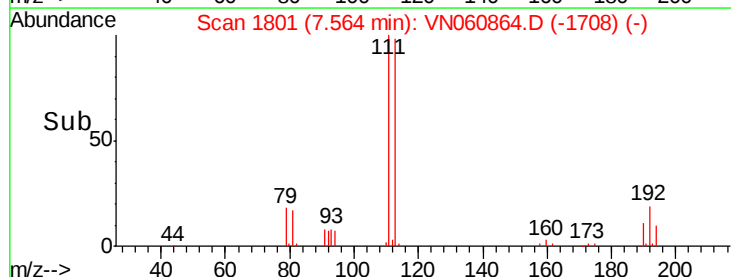
192 19.9 15.8 23.8

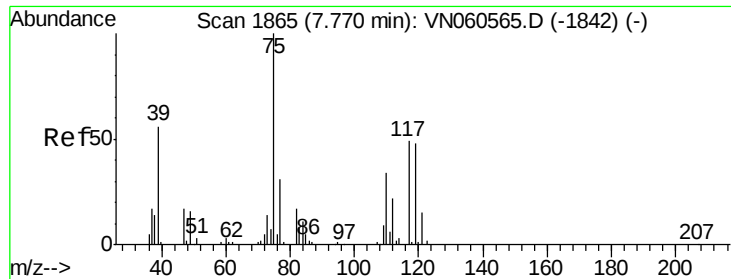


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

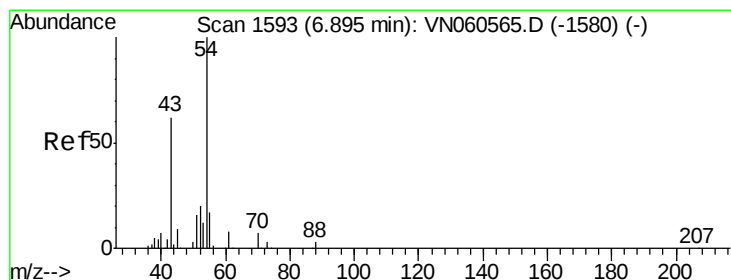
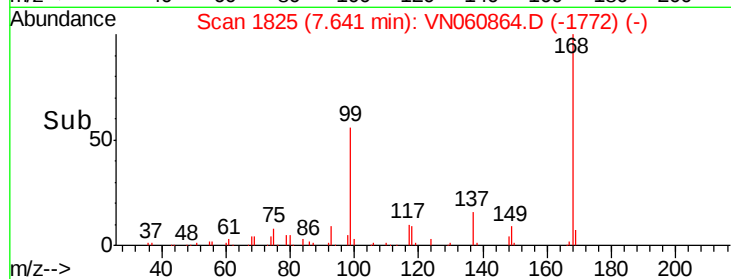
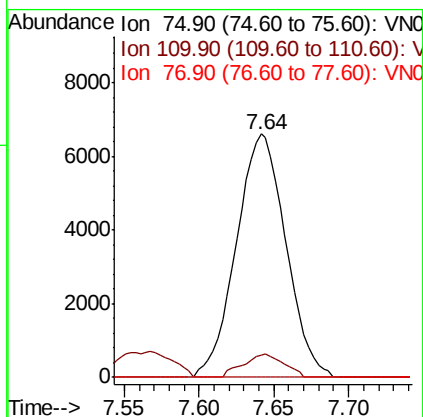
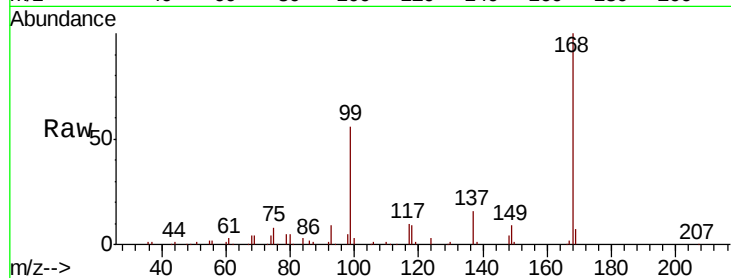




#36
 1,1-Dichloropropene
 Concen: 4.867 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060864.D
 Acq: 6 Apr 2020 20:06

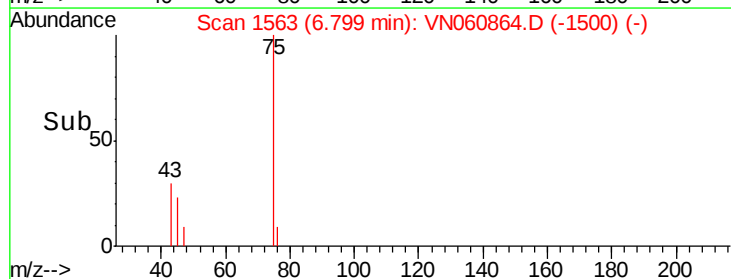
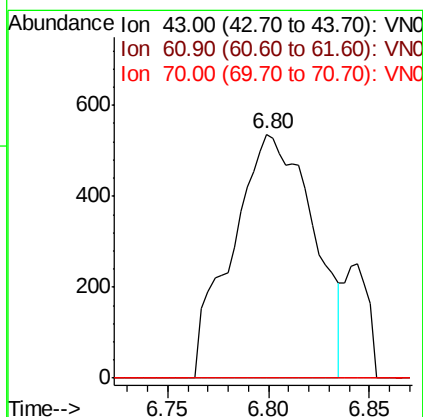
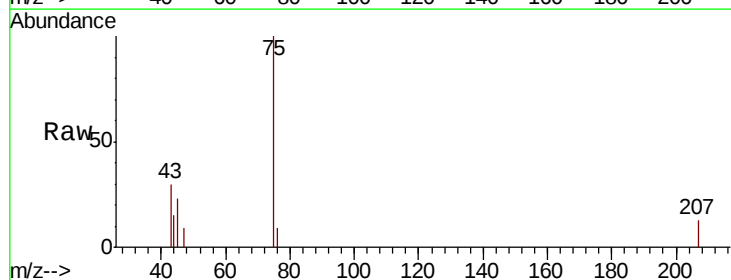
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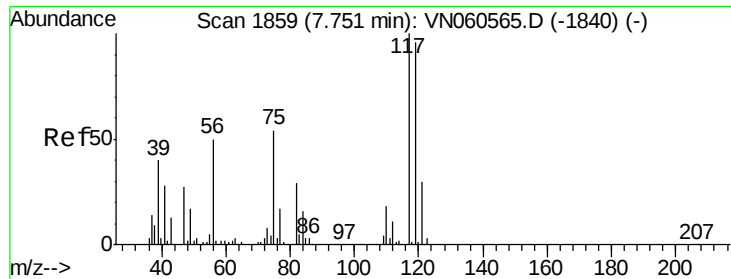
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.9	50.6#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.443 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VN060864.D
 Acq: 6 Apr 2020 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#





#38

Carbon Tetrachloride

Concen: 6.644 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Instrument :

MSVOA_N

ClientSampleId :

TP-54-53-COMP

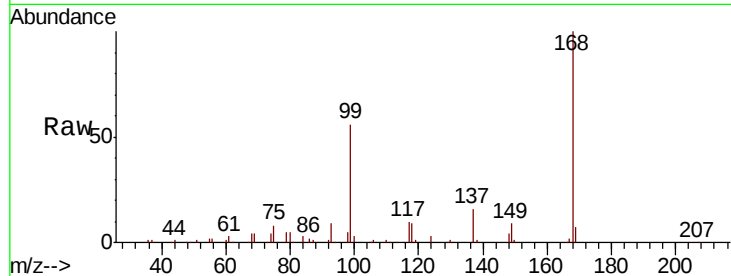
Tot Ion:117 Resp: 18552

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

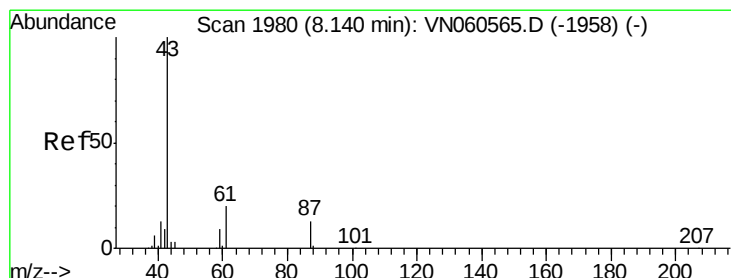
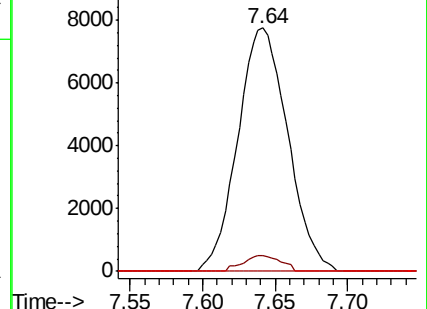
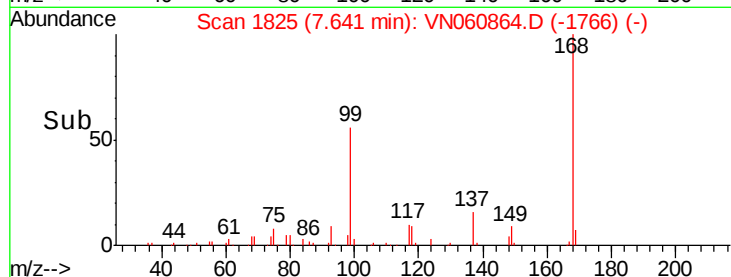
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 11.015 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

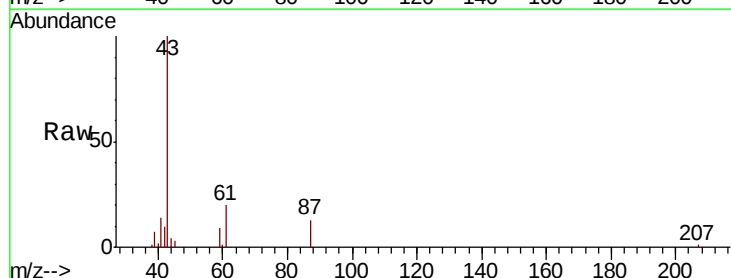
Tgt Ion: 43 Resp: 61155

Ion Ratio Lower Upper

43 100

61 19.7 20.7 31.1#

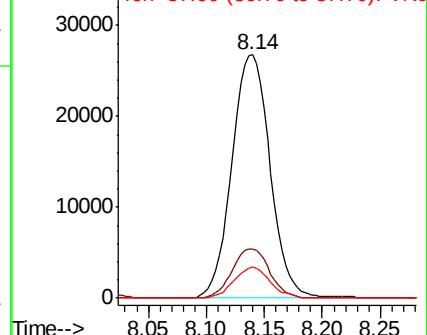
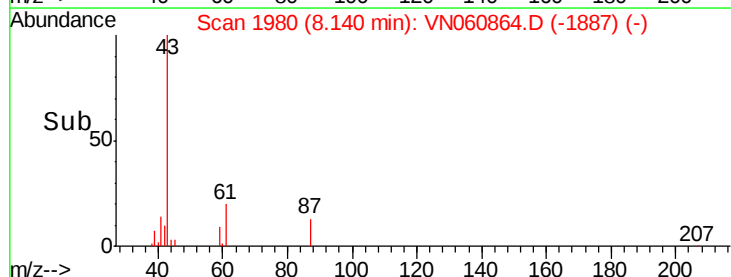
87 12.1 9.8 14.8

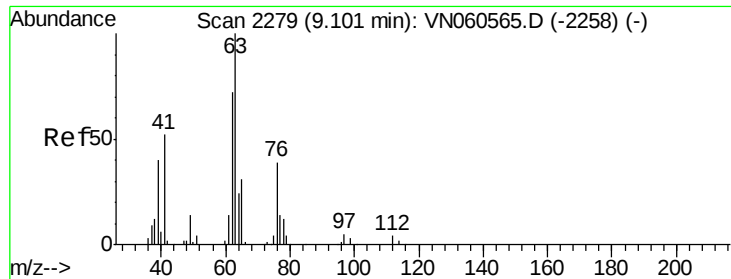


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.397 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Instrument :

MSVOA_N

ClientSampleId :

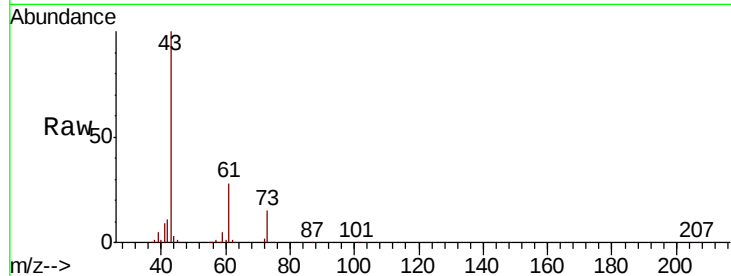
TP-54-53-COMP

Tot Ion: 63 Resp: 986

Ion Ratio Lower Upper

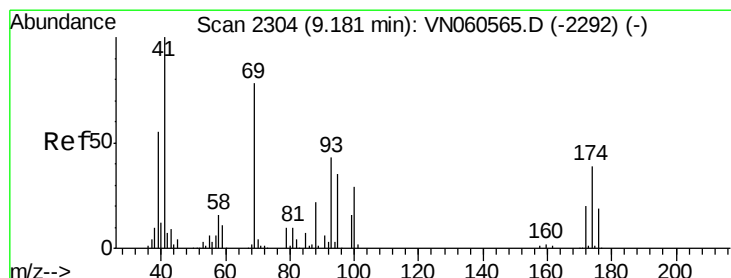
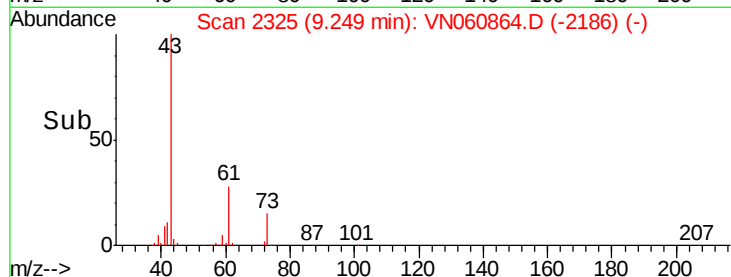
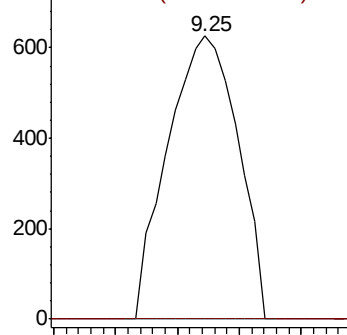
63 100

65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.251 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

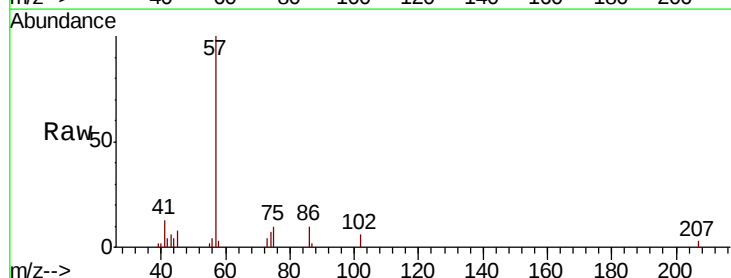
Tgt Ion: 41 Resp: 3093

Ion Ratio Lower Upper

41 100

69 0.0 65.4 98.0#

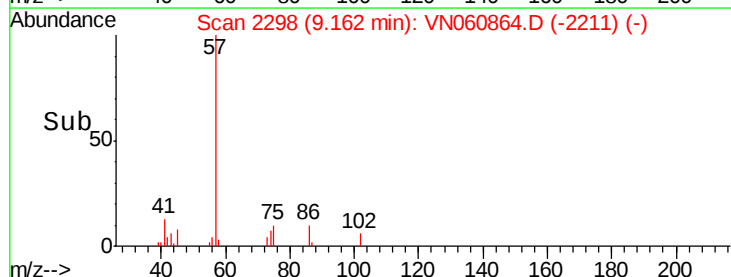
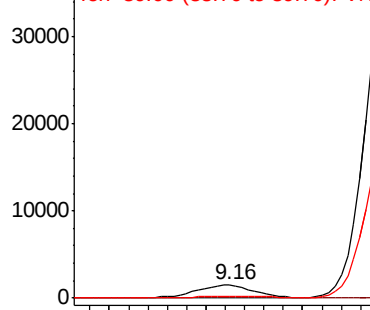
39 0.0 44.0 66.0#

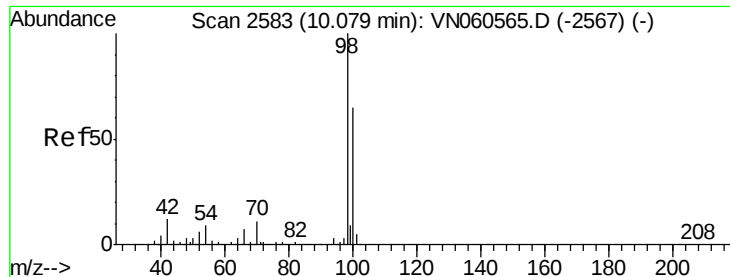


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

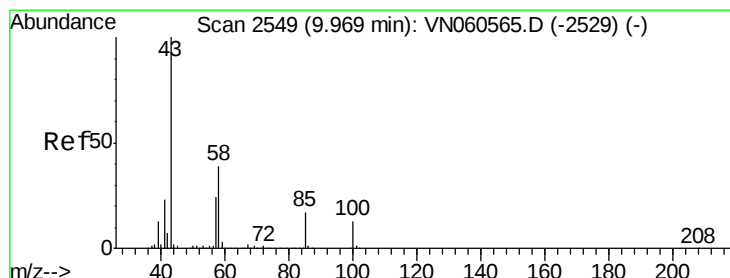
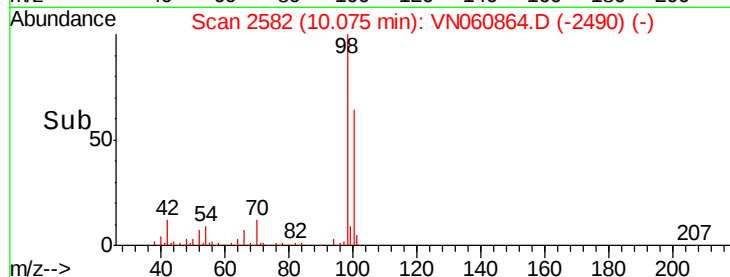
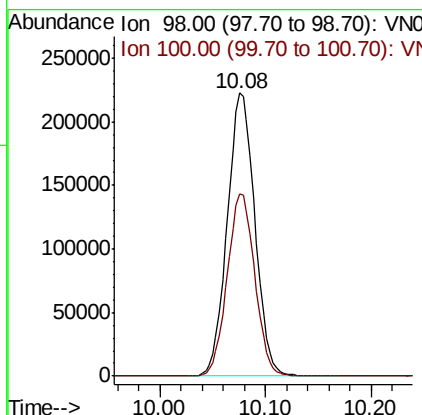
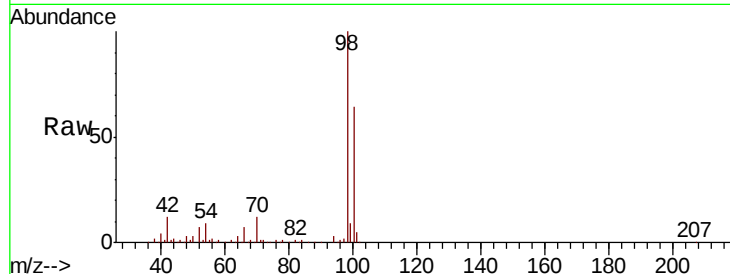




#50
Toluene-d8
Concen: 50.619 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

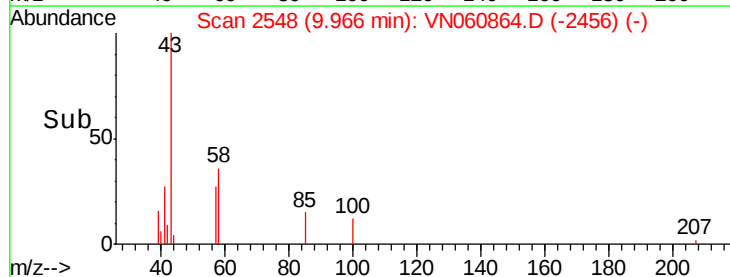
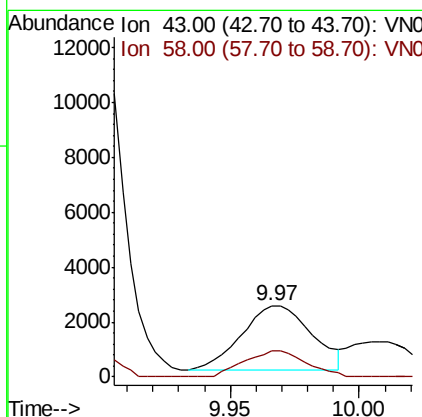
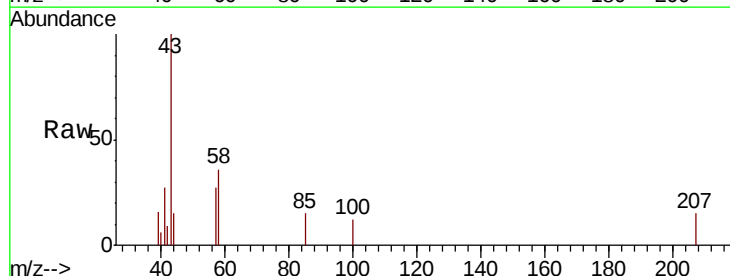
Instrument :
MSVOA_N
ClientSampleId :
TP-54-53-COMP

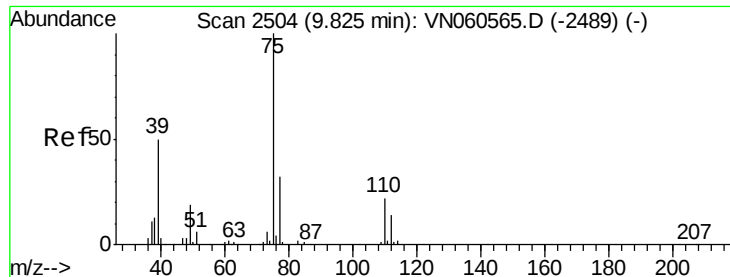
Tot Ion: 98 Resp: 402282
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.389 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
58 36.1 30.8 46.2

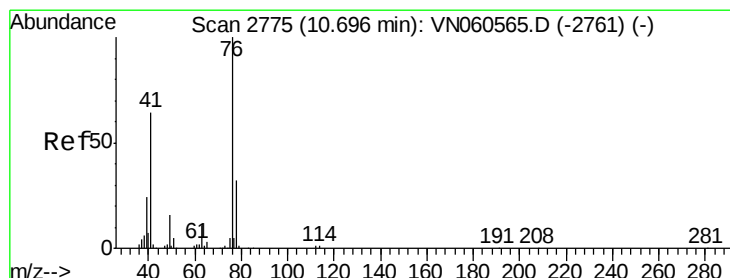
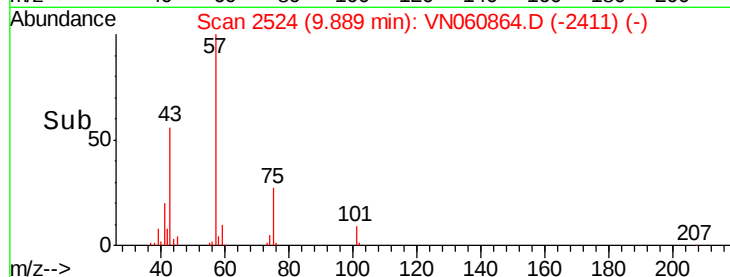
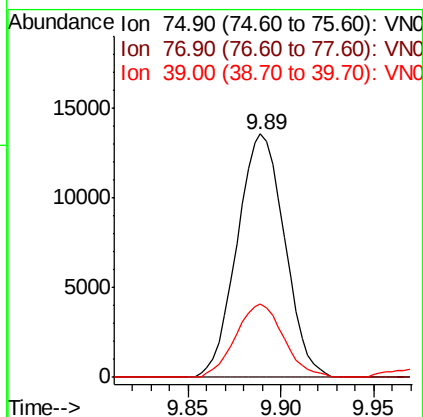
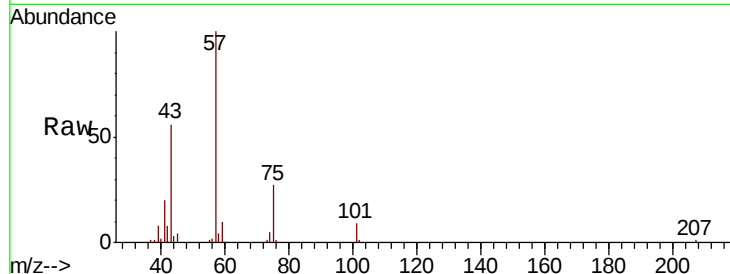




#54
 cis-1,3-Dichloropropene
 Concen: 6.133 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060864.D
 Acq: 6 Apr 2020 20:06

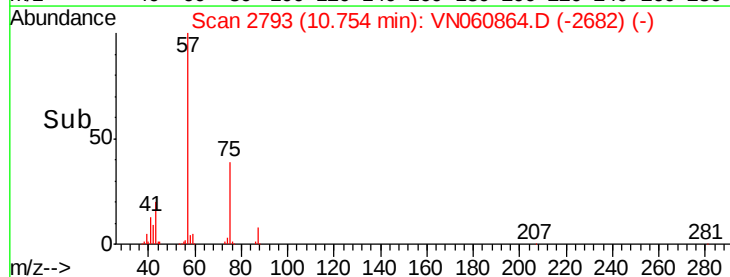
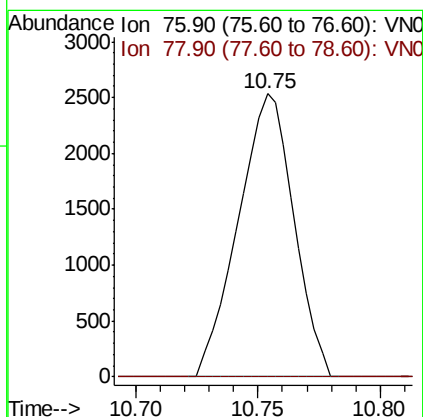
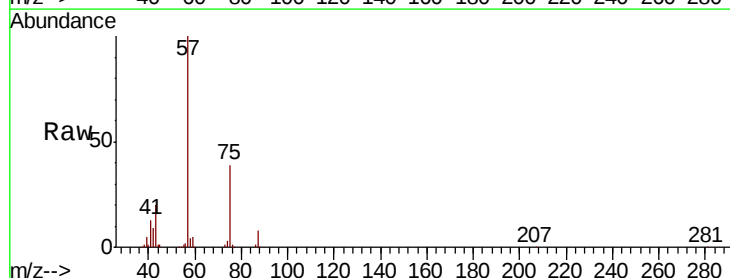
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-54-53-COMP

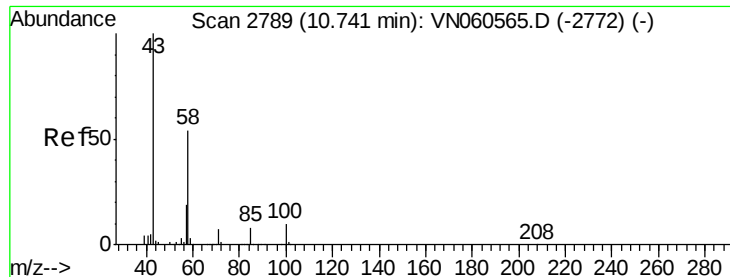
Tot Ion: 75 Resp: 24096
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.0 40.2 60.4#



#57
 1,3-Dichloropropane
 Concen: 1.053 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060864.D
 Acq: 6 Apr 2020 20:06

Tgt Ion: 76 Resp: 3993
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

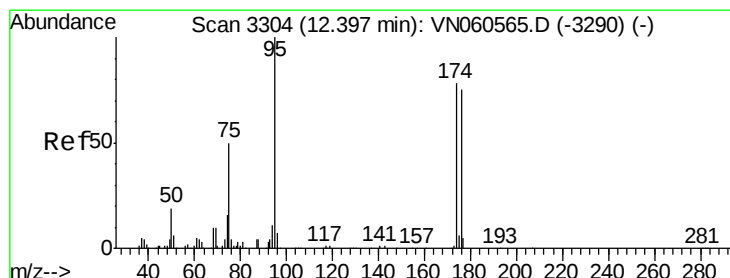
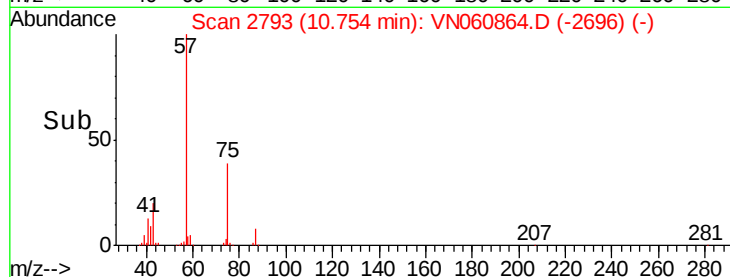
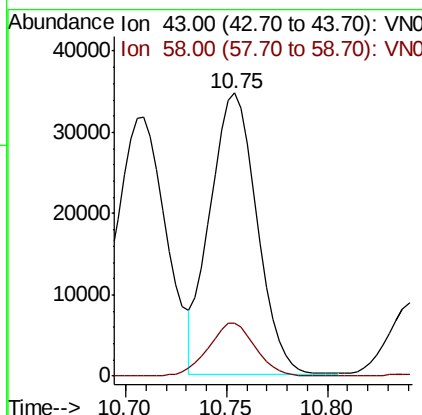
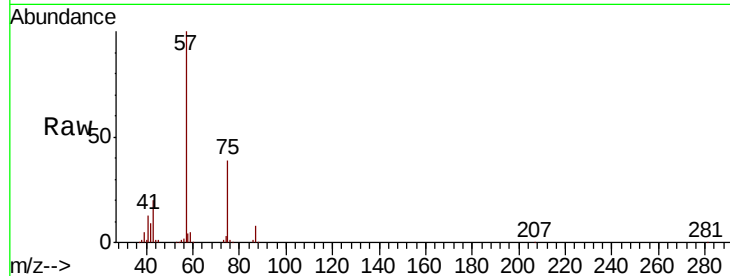




#59
2-Hexanone
Concen: 24.705 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

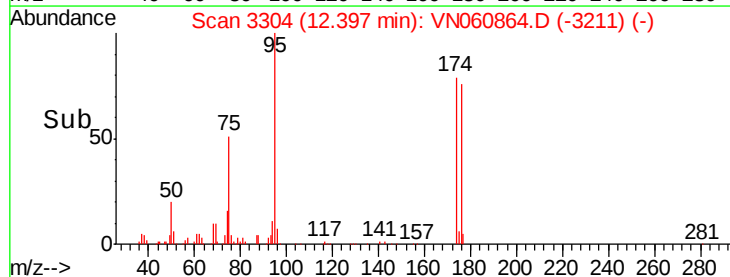
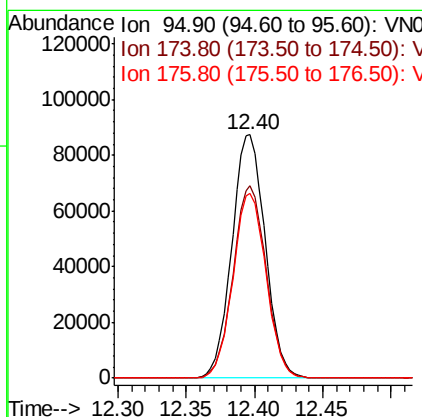
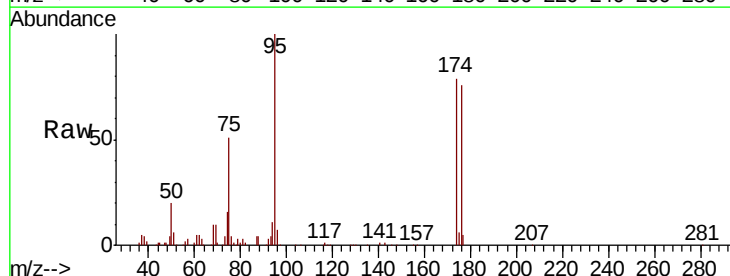
Instrument :
MSVOA_N
ClientSampleId :
TP-54-53-COMP

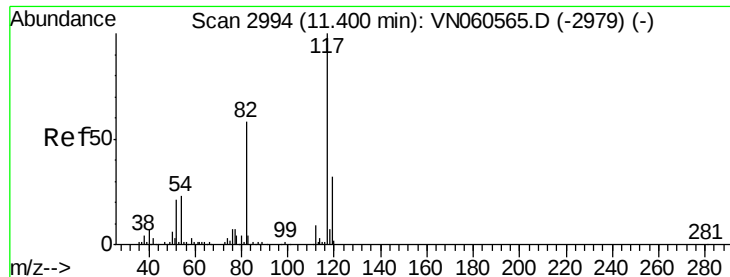
Tot Ion: 43 Resp: 56227
Ion Ratio Lower Upper
43 100
58 18.8 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.867 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

Tgt Ion: 95 Resp: 148152
Ion Ratio Lower Upper
95 100
174 78.6 0.0 157.6
176 75.5 0.0 150.6

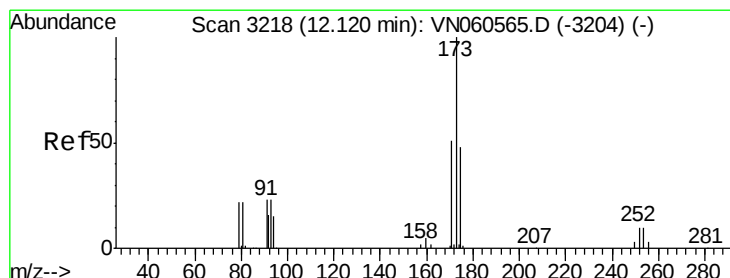
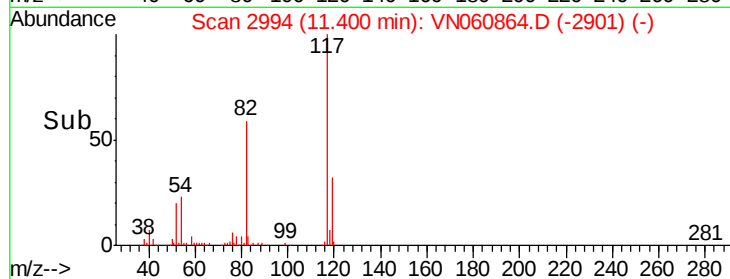
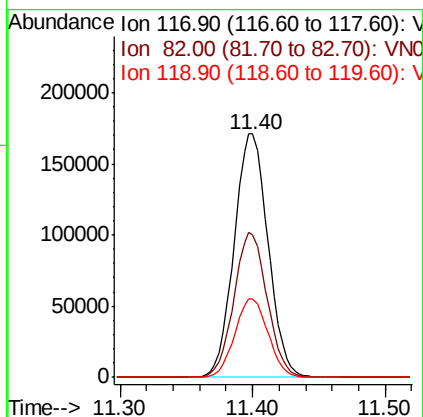
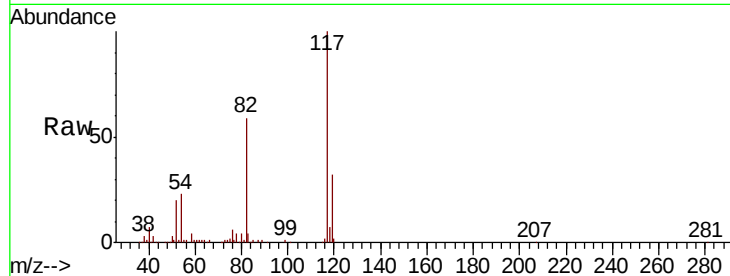




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

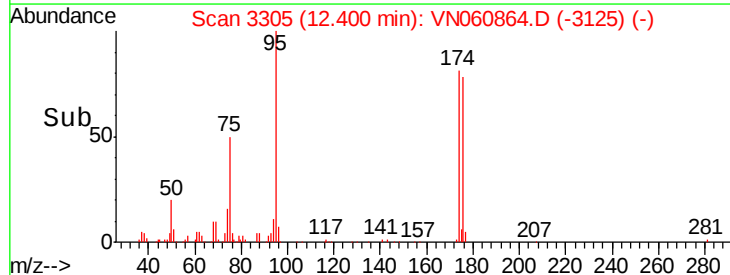
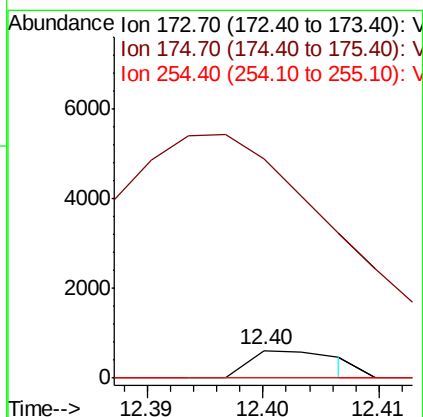
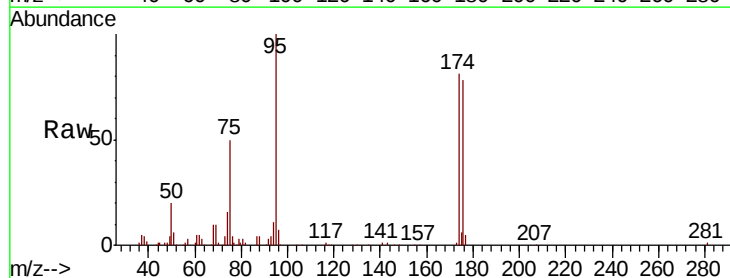
Instrument :
MSVOA_N
ClientSampleId :
TP-54-53-COMP

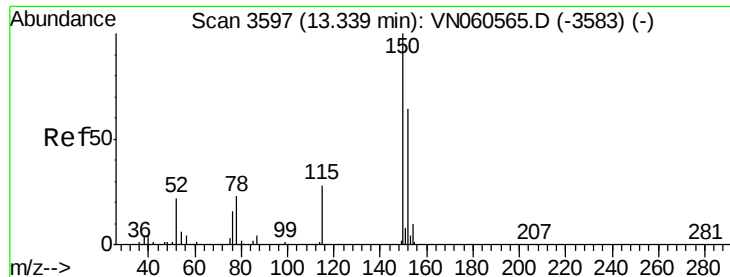
Tot Ion:117 Resp: 303212
Ion Ratio Lower Upper
117 100
82 58.8 46.7 70.1
119 32.4 25.5 38.3



#71
Bromoform
Concen: 1.851 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060864.D
Acq: 6 Apr 2020 20:06

Tgt Ion:173 Resp: 320
Ion Ratio Lower Upper
173 100
175 2392.2 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Instrument :

MSVOA_N

ClientSampleId :

TP-54-53-COMP

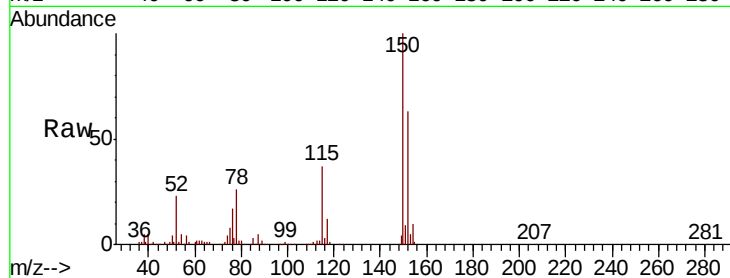
Tot Ion:152 Resp: 137547

Ion Ratio Lower Upper

152 100

115 60.4 30.2 90.6

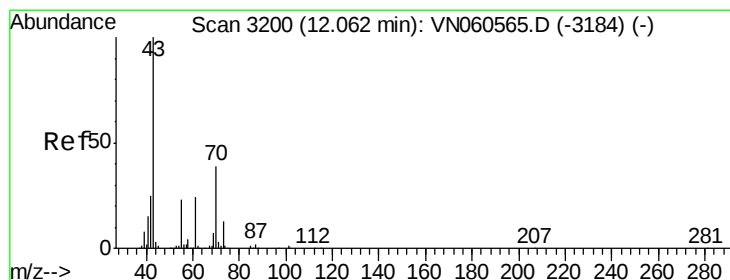
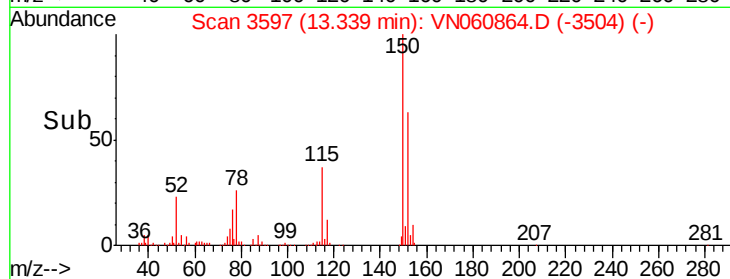
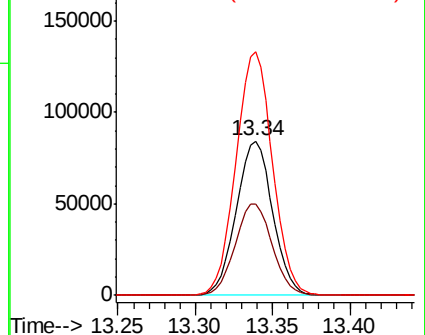
150 158.5 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.779 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Tgt Ion: 43 Resp: 3716

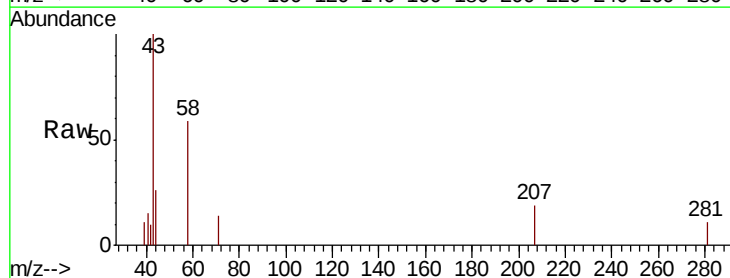
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

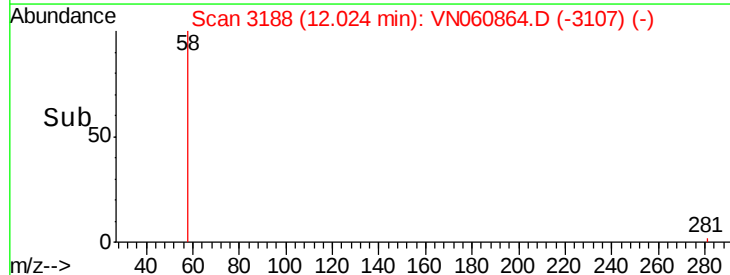
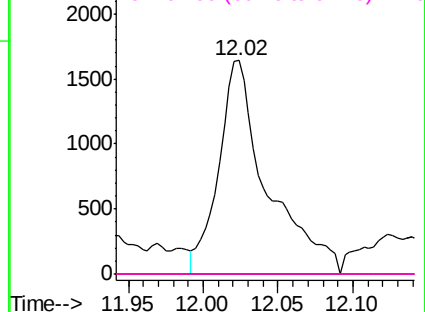


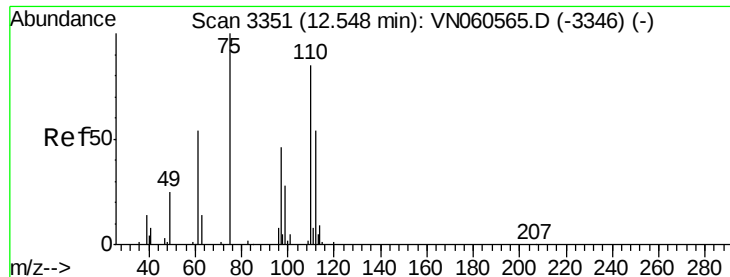
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 25.265 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Instrument :

MSVOA_N

ClientSampleId :

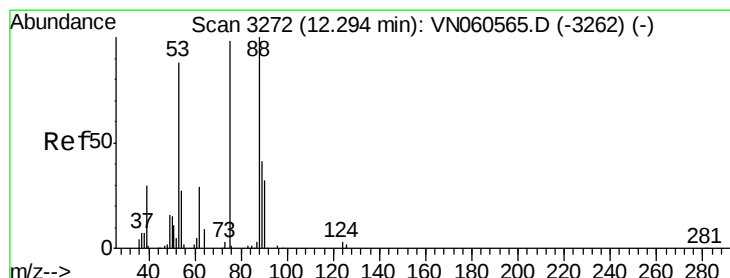
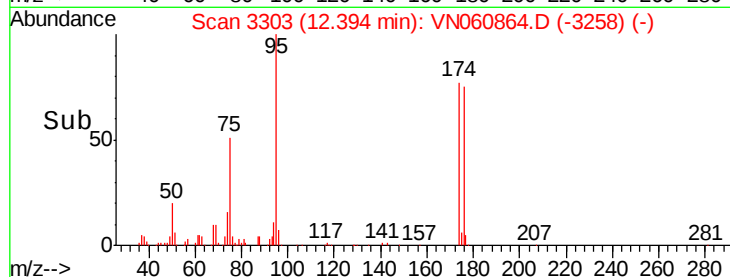
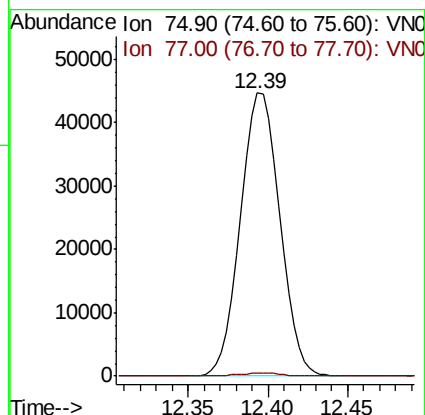
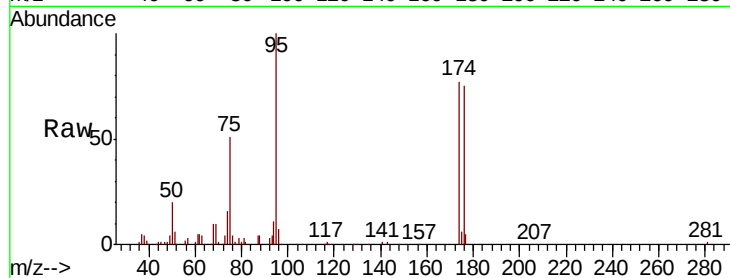
TP-54-53-COMP

Tot Ion: 75 Resp: 74985

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.887 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060864.D

Acq: 6 Apr 2020 20:06

Tgt Ion: 75 Resp: 74985

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

