

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059606.D
 Acq On : 16 Dec 2019 16:39
 Operator : JC/SP
 Sample : K6279-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T2-COMP

Quant Time: Dec 17 04:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	252762	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	409858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	368414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148533	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	180867	49.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.34%	
35) Dibromofluoromethane	7.57	113	128563	50.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.26%	
50) Toluene-d8	10.08	98	505205	49.76	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	170767	46.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.18%	

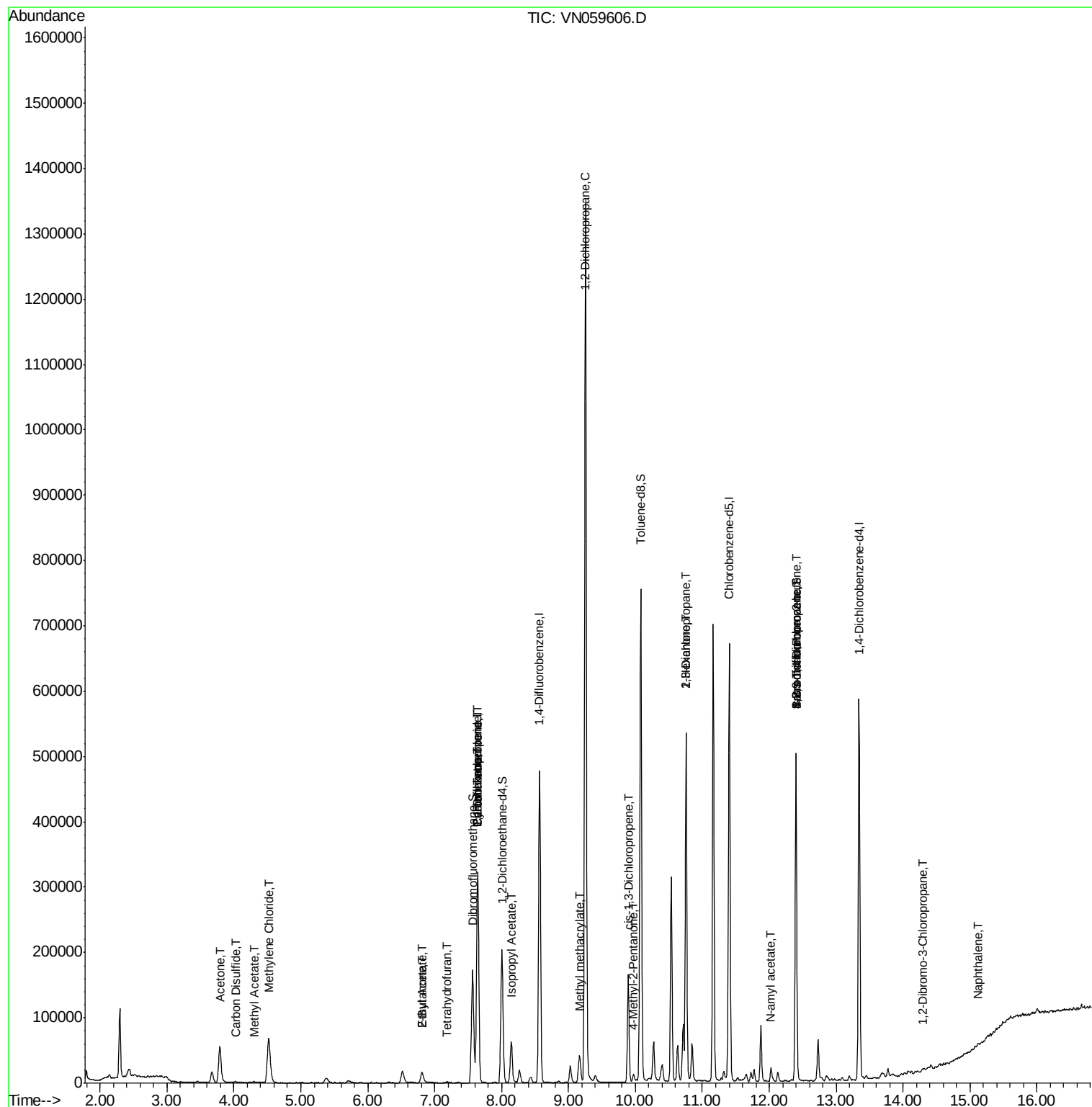
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	94961	43.486	ug/l	98
17) Carbon Disulfide	4.03	76	1789	2.065	ug/l #	75
18) Methyl Acetate	4.30	43	3595	0.786	ug/l #	68
20) Methylene Chloride	4.53	84	53486	16.959	ug/l	99
25) 2-Butanone	6.81	43	29406	11.261	ug/l	97
29) Tetrahydrofuran	7.19	42	1355	0.852	ug/l #	69
31) Cyclohexane	7.64	56	5607	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	21518	5.034	ug/l #	50
37) Ethyl Acetate	6.81	43	29406	5.919	ug/l #	69
38) Carbon Tetrachloride	7.64	117	25016	5.640	ug/l #	17
43) Isopropyl Acetate	8.15	43	74227	9.610	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	1513	0.449	ug/l #	44
48) Methyl methacrylate	9.16	41	9885	2.821	ug/l #	42
51) 4-Methyl-2-Pentanone	9.97	43	7704	1.673	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	27769	5.185	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	5146	0.981	ug/l #	42
59) 2-Hexanone	10.76	43	85859	23.657	ug/l #	57
71) Bromoform	12.40	173	964	0.424	ug/l #	1
74) N-amyl acetate	12.03	43	15571	2.911	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	92382	25.124	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	92382	62.054	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.28	75	434	2.027	ug/l #	6
95) Naphthalene	15.13	128	2295	0.229	ug/l #	81

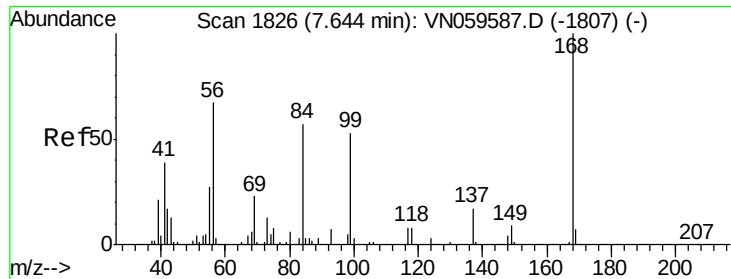
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

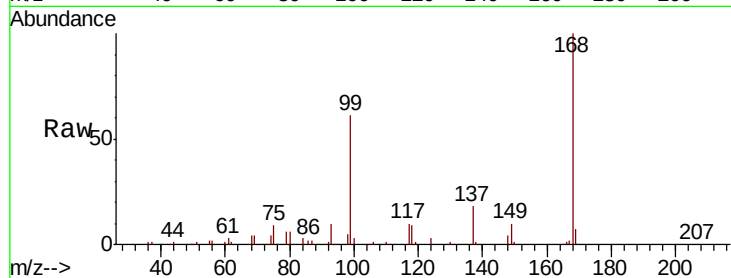
T2-COMP

Tgt Ion:168 Resp: 252762

Ion Ratio Lower Upper

168 100

99 61.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

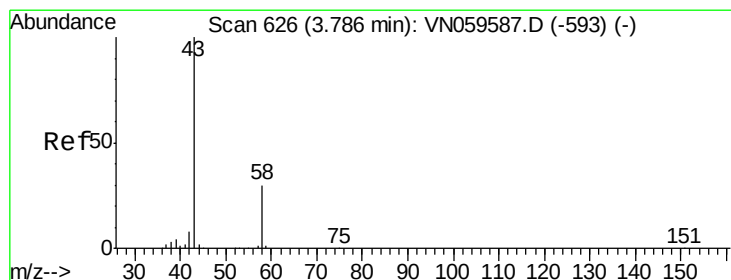
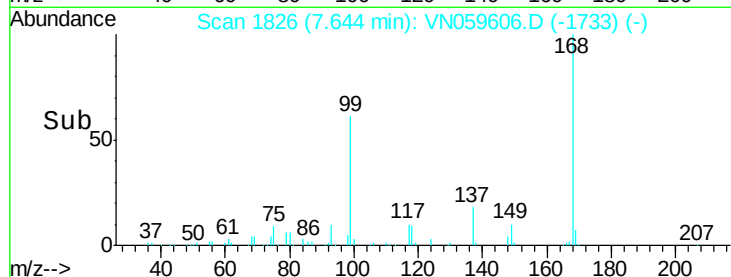
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 43.486 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059606.D

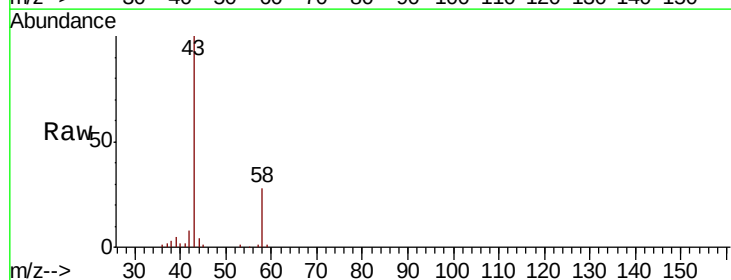
Acq: 16 Dec 2019 16:39

Tgt Ion: 43 Resp: 94961

Ion Ratio Lower Upper

43 100

58 28.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)

3.79

40000

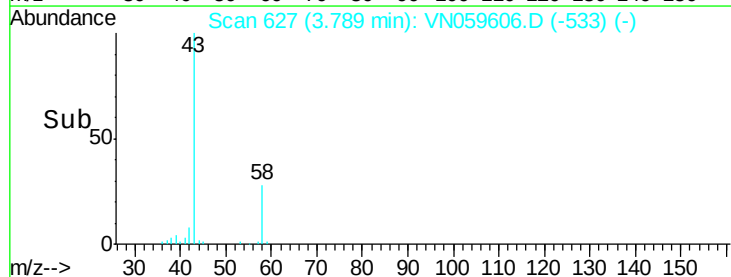
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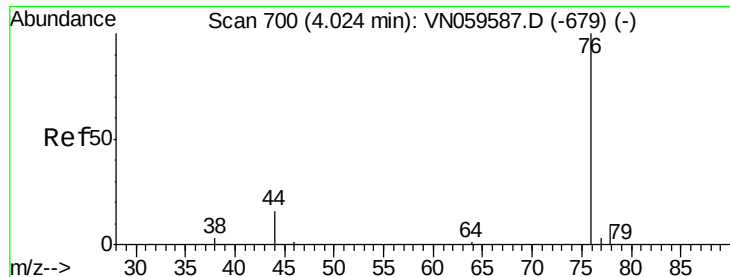
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Time-->

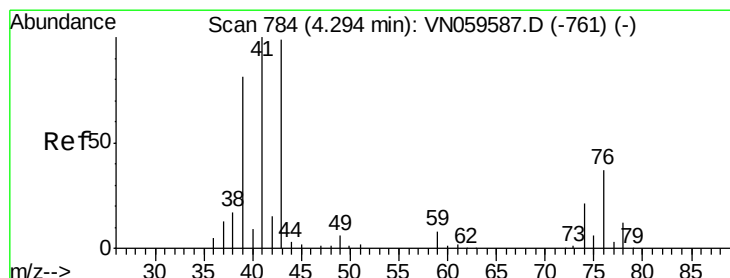
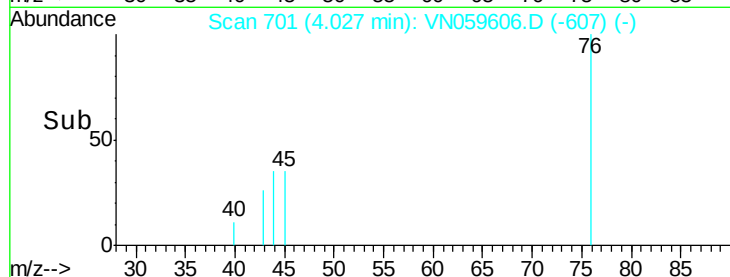
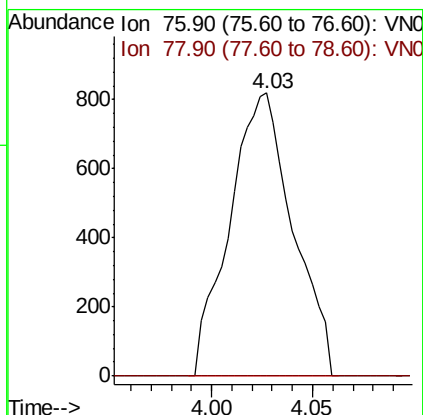
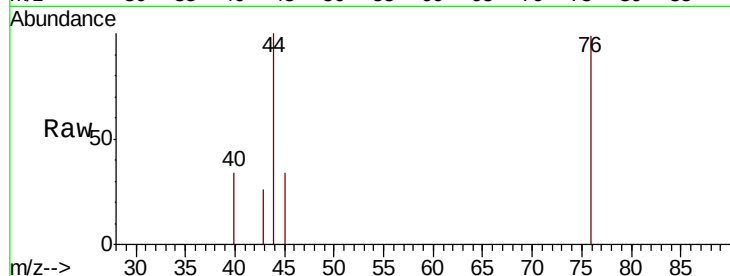




#17
Carbon Disulfide
Concen: 2.065 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

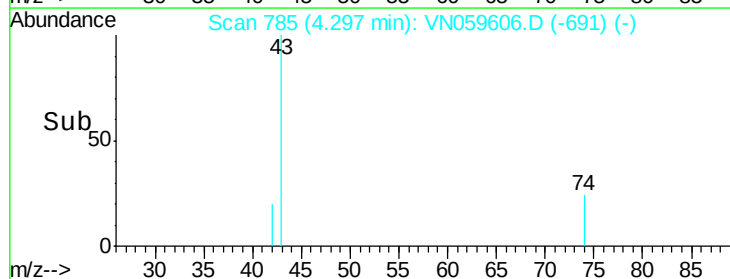
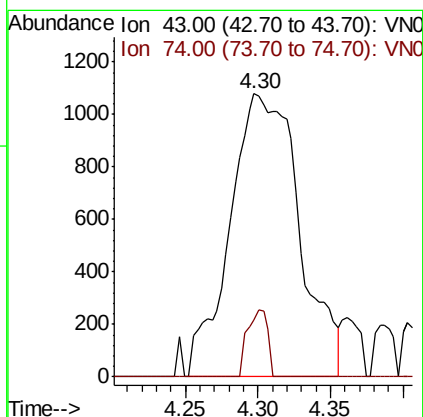
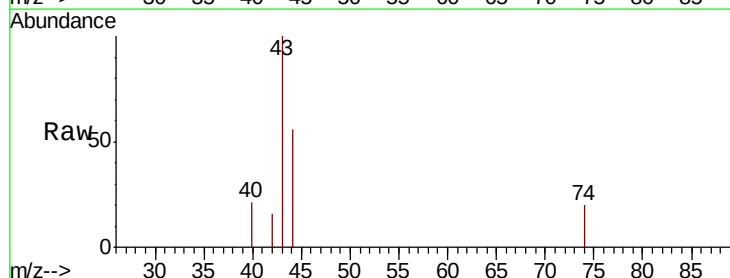
Instrument :
MSVOA_N
ClientSampleId :
T2-COMP

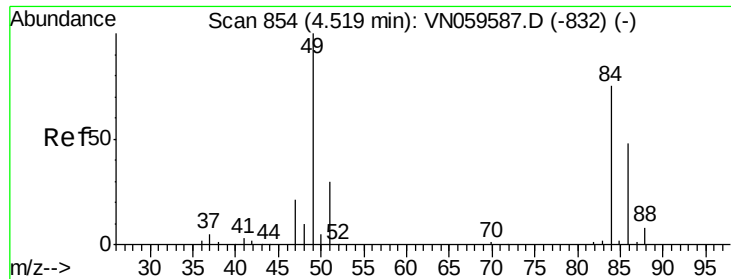
Tgt Ion: 76 Resp: 1789
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.786 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

Tgt Ion: 43 Resp: 3595
Ion Ratio Lower Upper
43 100
74 6.8 17.5 26.3#

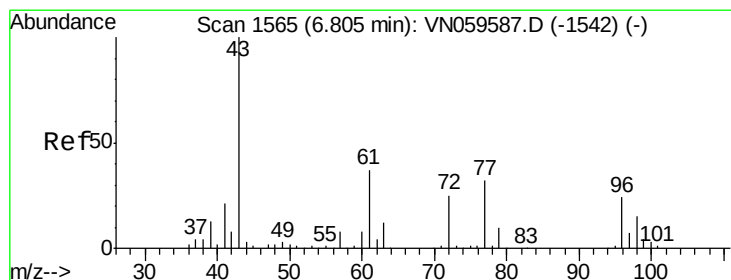
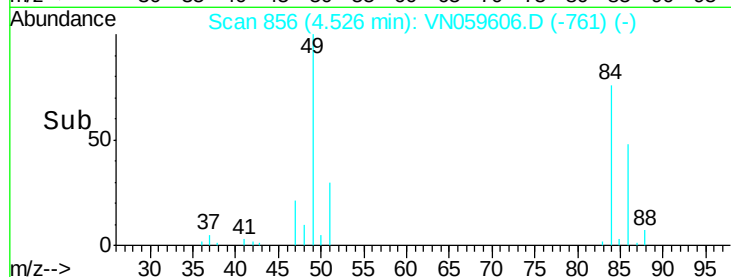
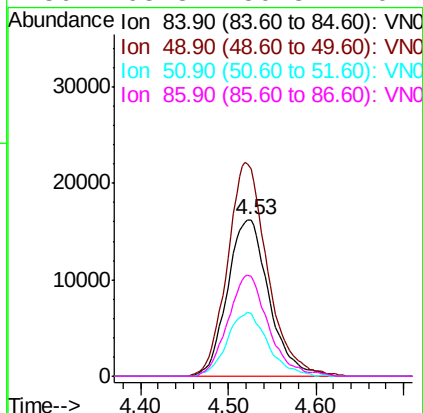
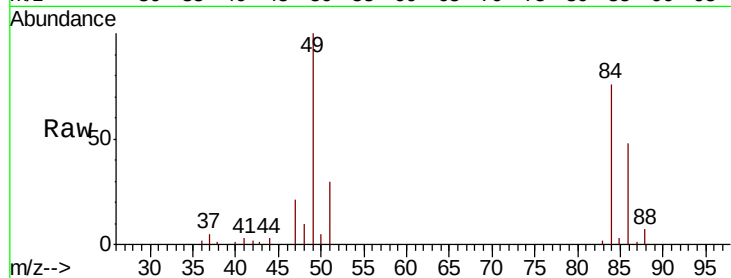




#20
Methylene Chloride
Concen: 16.959 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

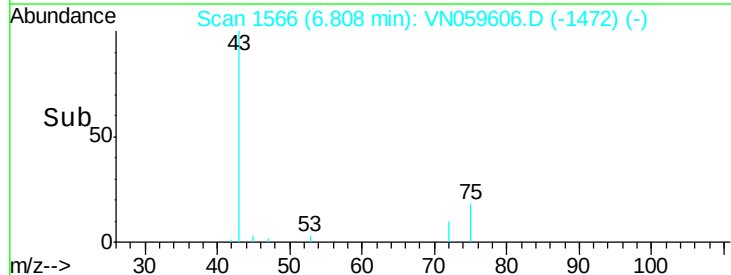
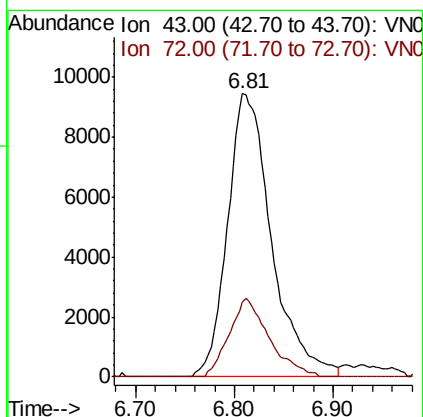
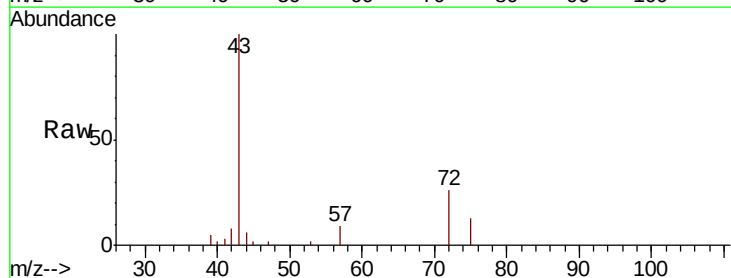
Instrument :
MSVOA_N
ClientSampleId :
T2-COMP

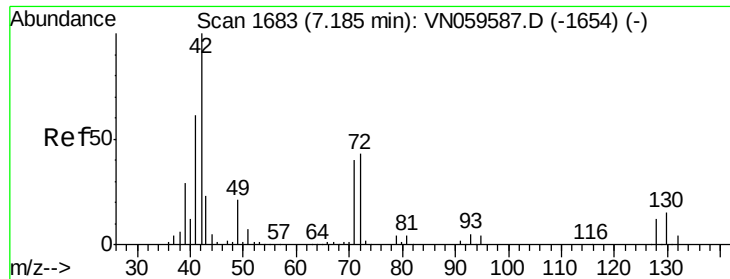
Tgt Ion: 84 Resp: 53486
Ion Ratio Lower Upper
84 100
49 132.4 106.6 160.0
51 40.0 31.9 47.9
86 63.8 50.8 76.2



#25
2-Butanone
Concen: 11.261 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

Tgt Ion: 43 Resp: 29406
Ion Ratio Lower Upper
43 100
72 26.4 19.9 29.9

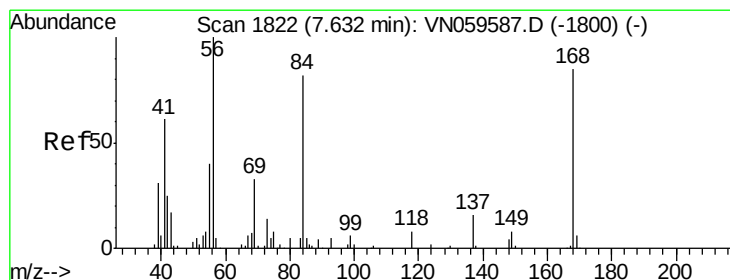
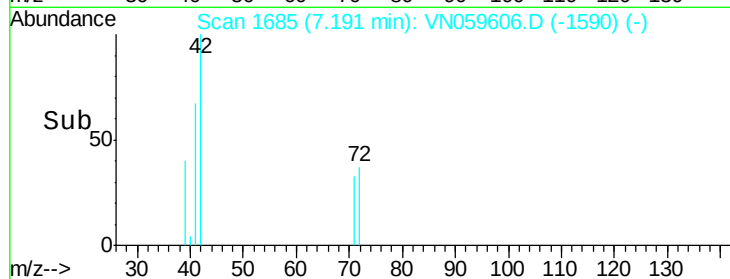
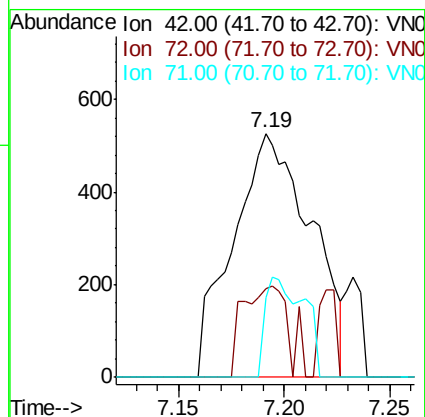
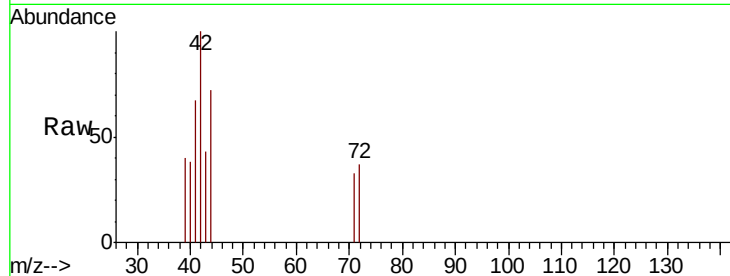




#29
Tetrahydrofuran
Concen: 0.852 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

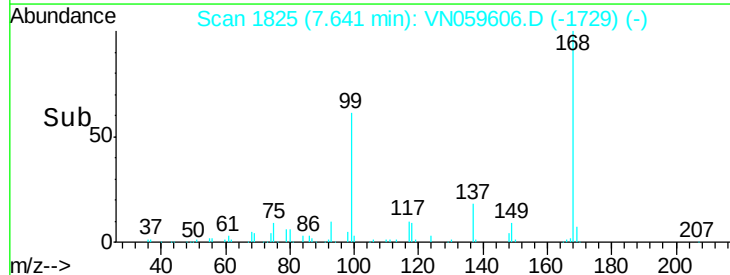
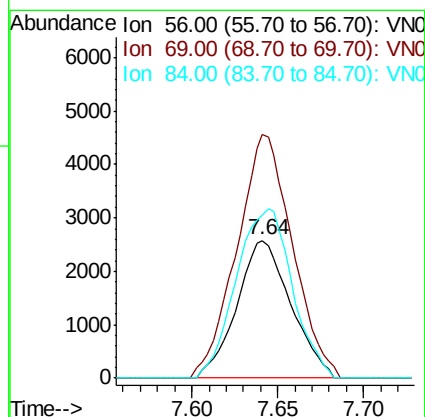
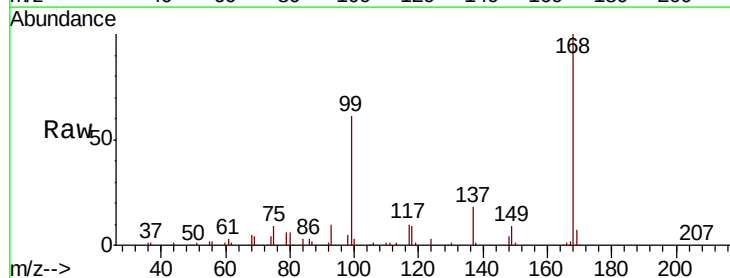
Instrument :
MSVOA_N
ClientSampleId :
T2-COMP

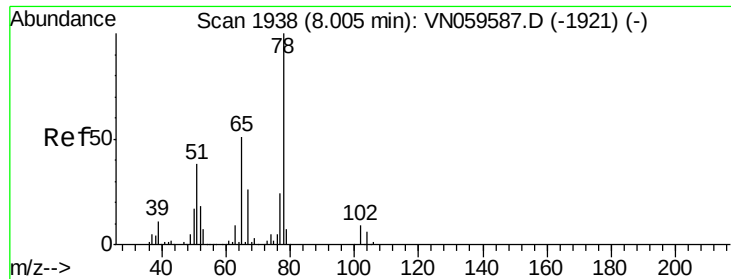
Tgt Ion: 42 Resp: 1355
Ion Ratio Lower Upper
42 100
72 22.1 33.1 49.7#
71 20.3 31.4 47.0#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

Tgt Ion: 56 Resp: 5607
Ion Ratio Lower Upper
56 100
69 176.4 26.5 39.7#
84 117.8 65.3 97.9#

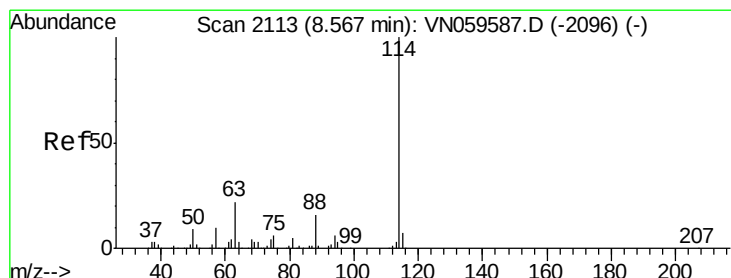
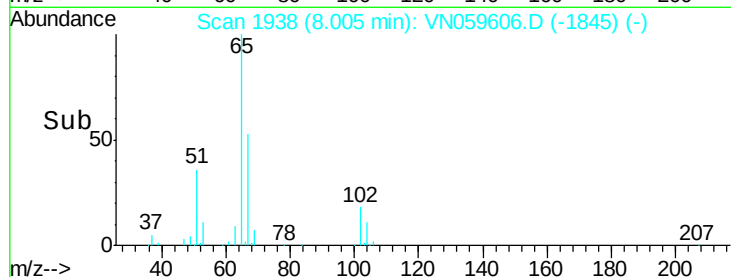
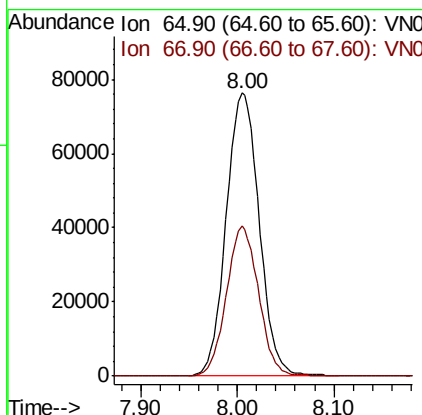
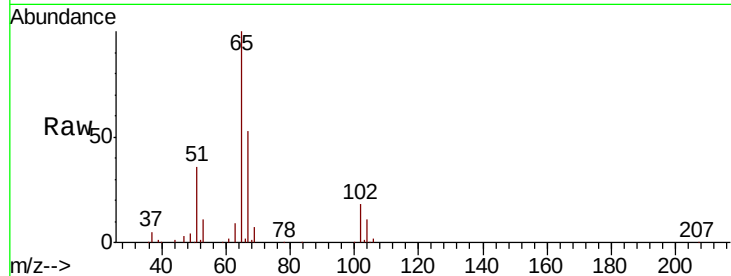




#33
 1,2-Dichloroethane-d4
 Concen: 49.174 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059606.D
 Acq: 16 Dec 2019 16:39

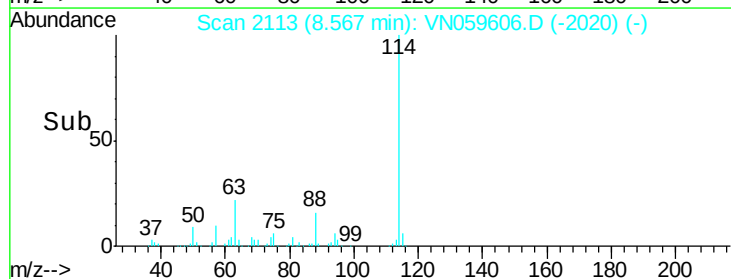
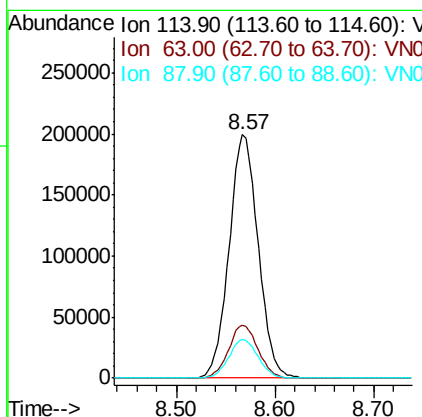
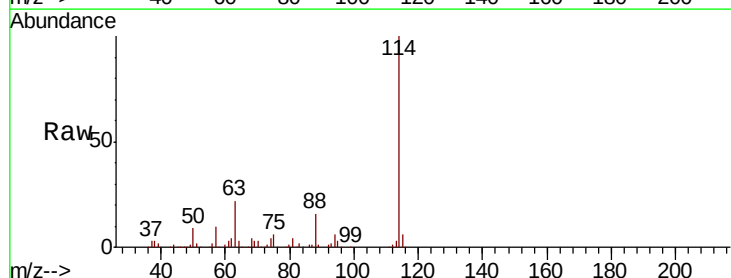
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 MSVOA_N
 ClientSampleId :
 T2-COMP

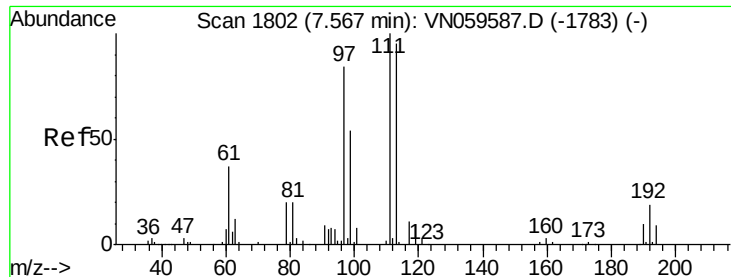
Tgt Ion: 65 Resp: 180867
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059606.D
 Acq: 16 Dec 2019 16:39

Tgt Ion: 114 Resp: 409858
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.6
 88 15.7 0.0 31.4

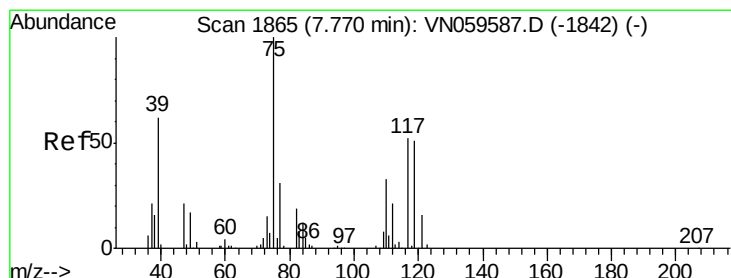
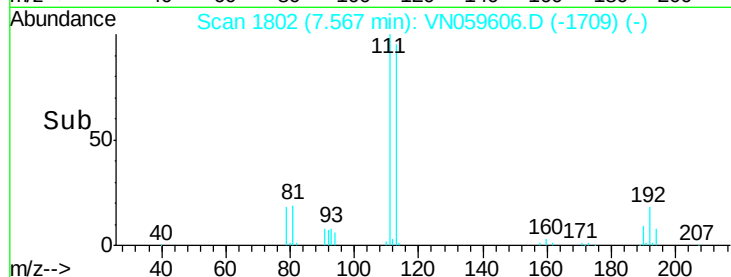
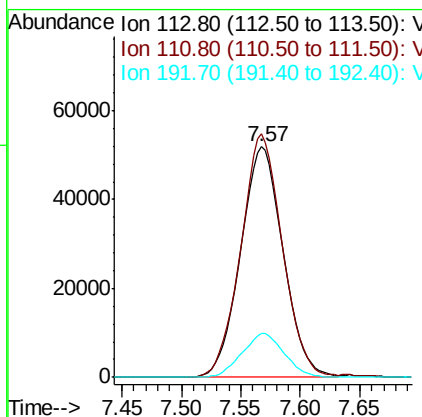
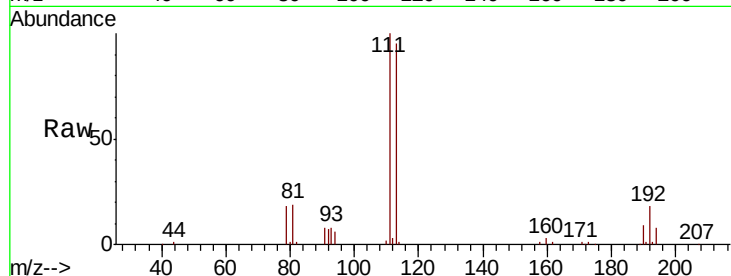




#35
 Dibromofluoromethane
 Concen: 50.133 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059606.D
 Acq: 16 Dec 2019 16:39

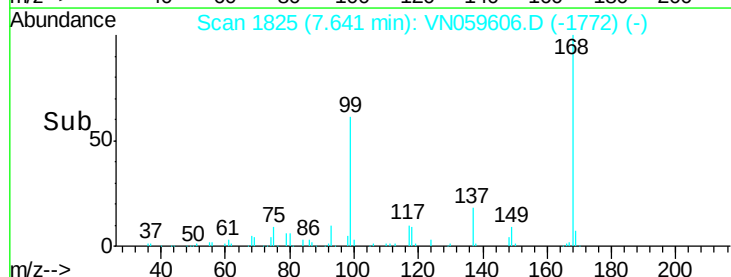
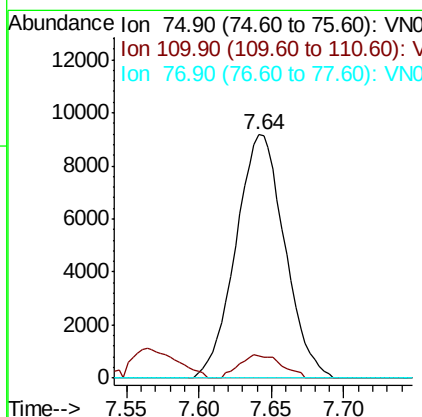
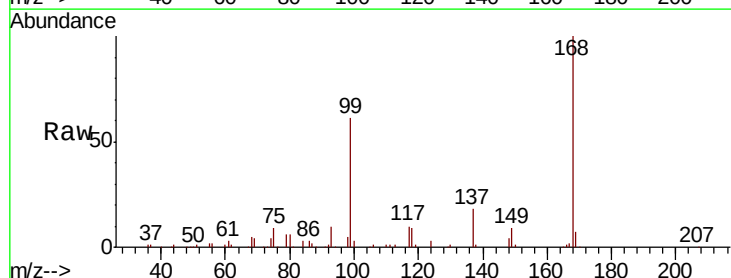
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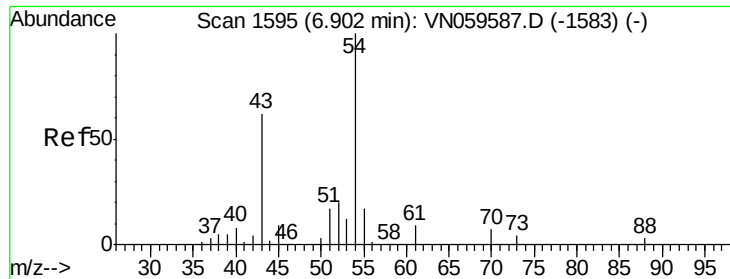
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.5	125.3
192	18.9	15.4	23.2



#36
 1,1-Dichloropropene
 Concen: 5.034 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059606.D
 Acq: 16 Dec 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.6	49.7#
77	0.0	25.1	37.7#

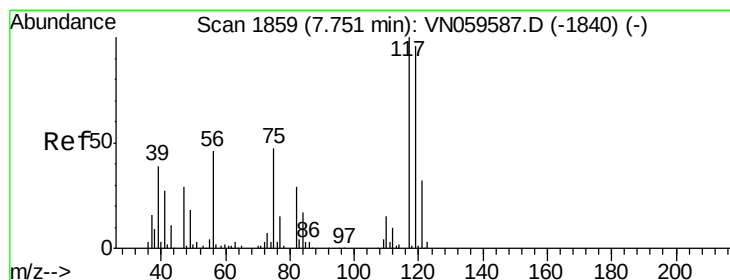
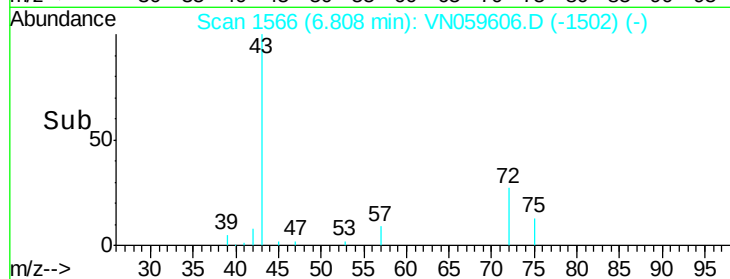
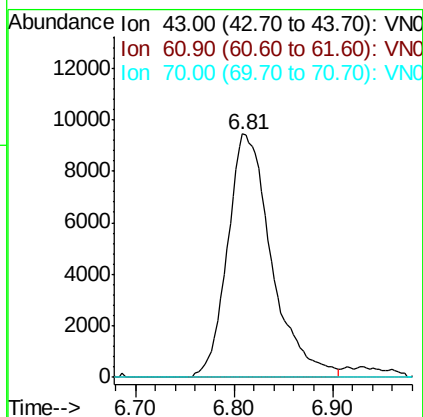
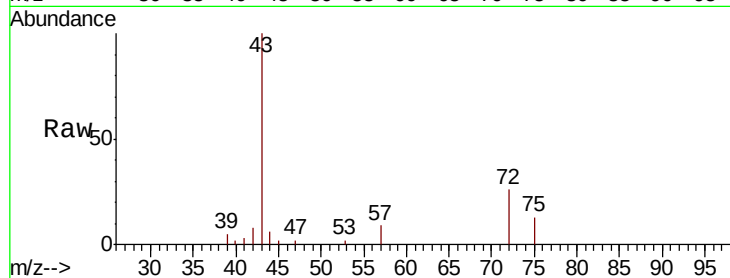




#37
Ethyl Acetate
 Concen: 5.919 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN059606.D
 Acq: 16 Dec 2019 16:39

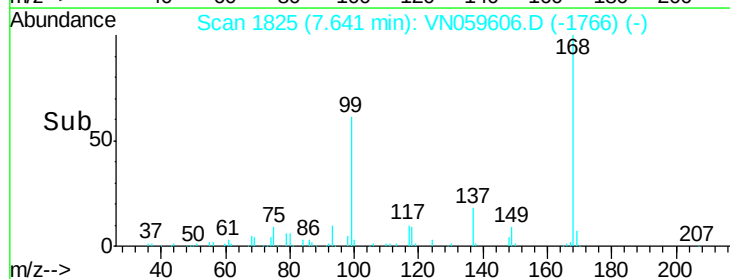
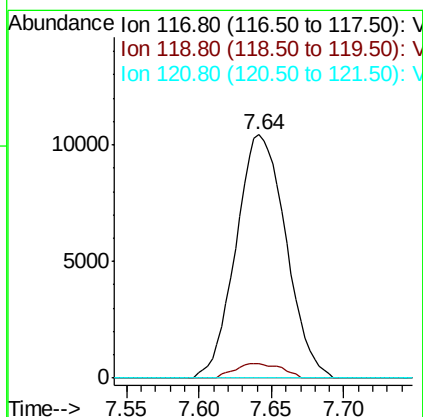
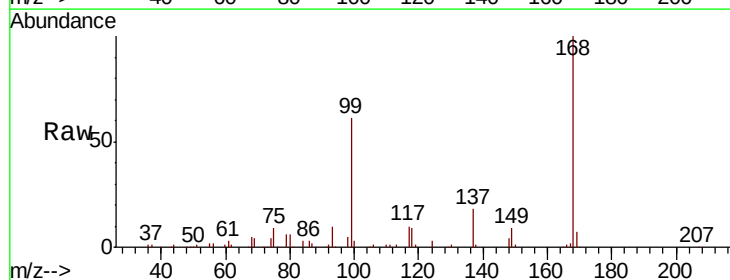
Instrument :
 MSVOA_N
 ClientSampleId :
 T2-COMP

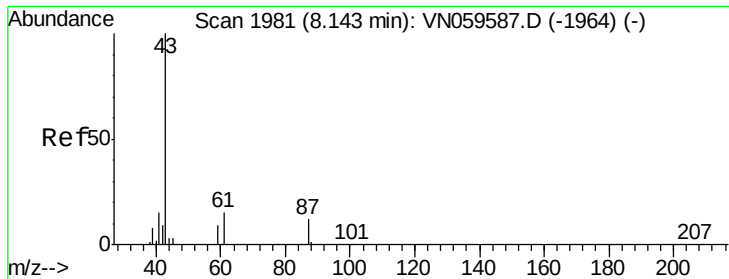
Tgt Ion: 43 Resp: 29406
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
 Concen: 5.640 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059606.D
 Acq: 16 Dec 2019 16:39

Tgt Ion: 117 Resp: 25016
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.5 114.7#
 121 0.0 25.1 37.7#





#43

Isopropyl Acetate

Concen: 9.610 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

T2-COMP

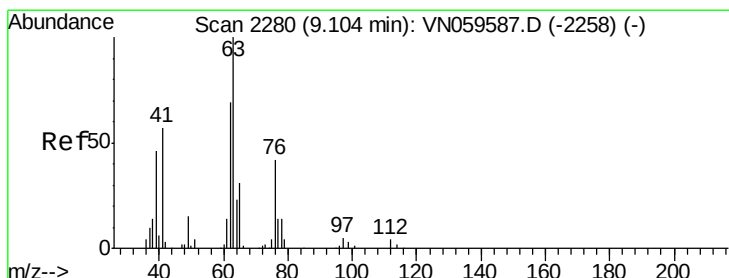
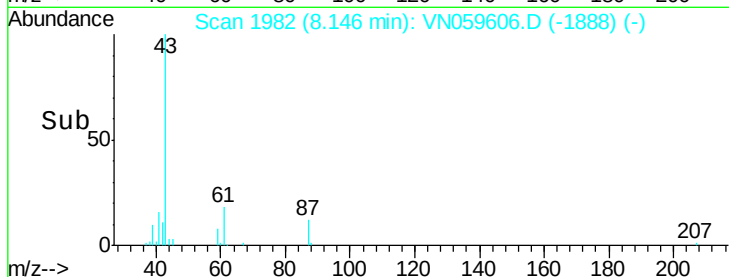
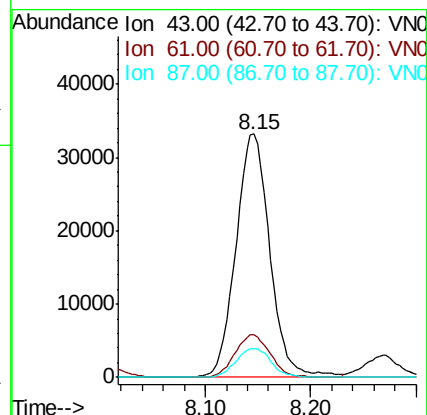
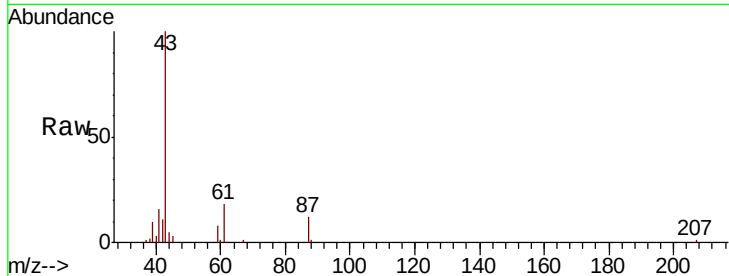
Tgt Ion: 43 Resp: 74227

Ion Ratio Lower Upper

43 100

61 17.9 20.2 30.2#

87 12.0 9.5 14.3



#45

1,2-Dichloropropane

Concen: 0.449 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059606.D

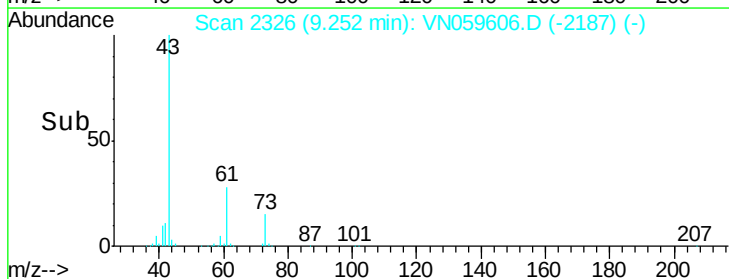
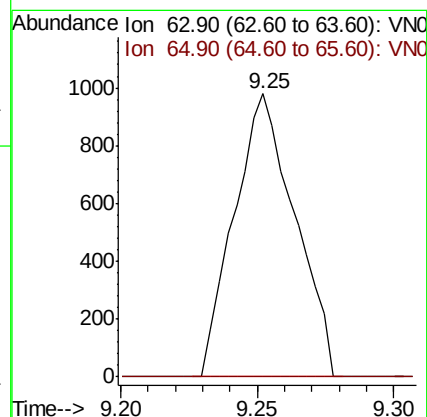
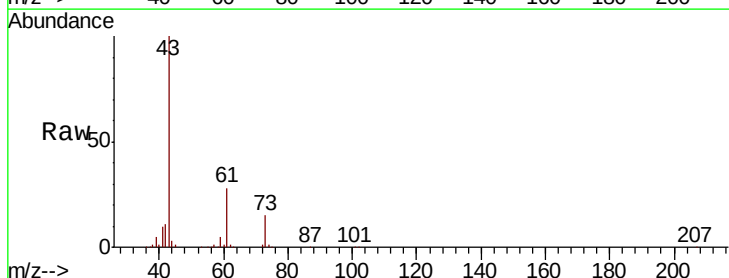
Acq: 16 Dec 2019 16:39

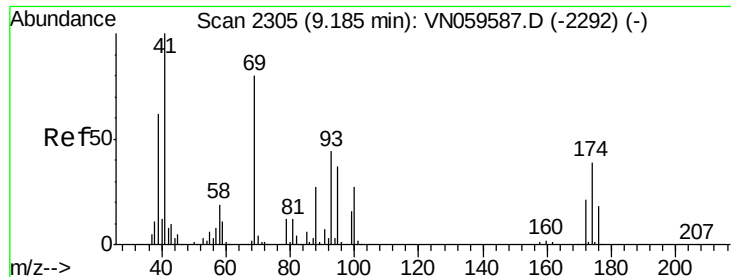
Tgt Ion: 63 Resp: 1513

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

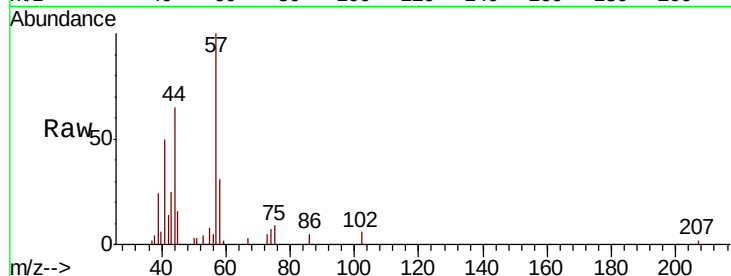




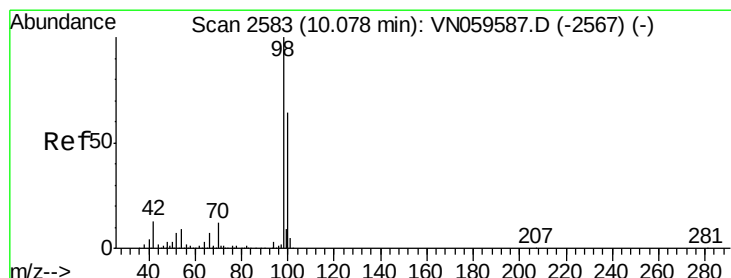
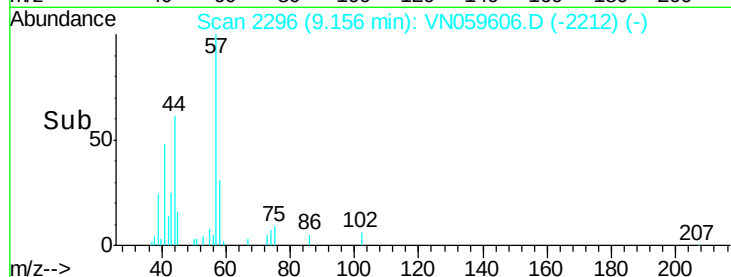
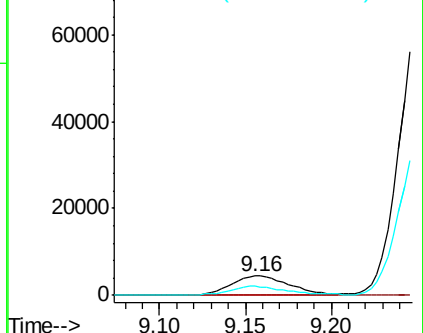
#48
Methyl methacrylate
Concen: 2.821 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
T2-COMP

Tgt Ion: 41 Resp: 9885
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 51.5 51.3 76.9

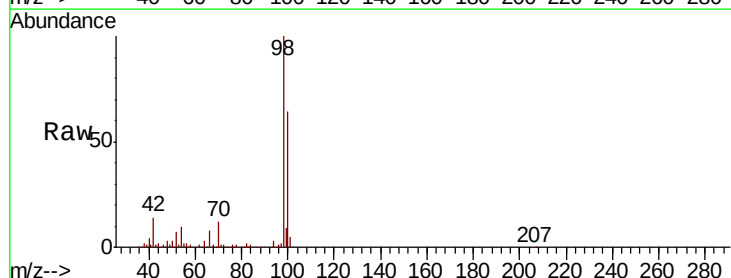


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

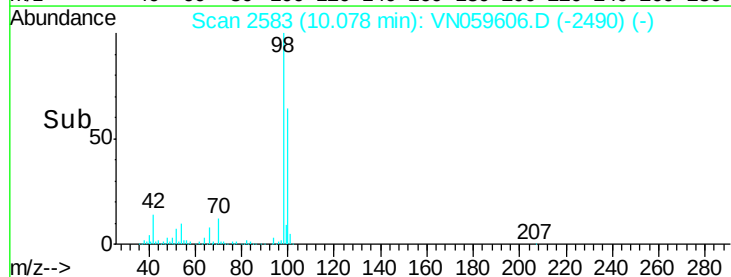
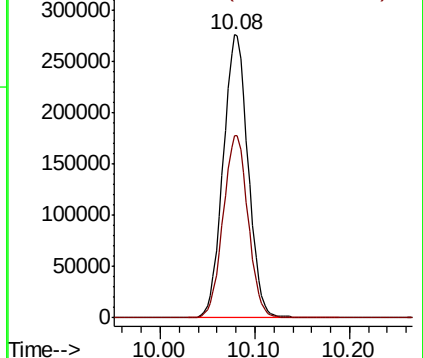


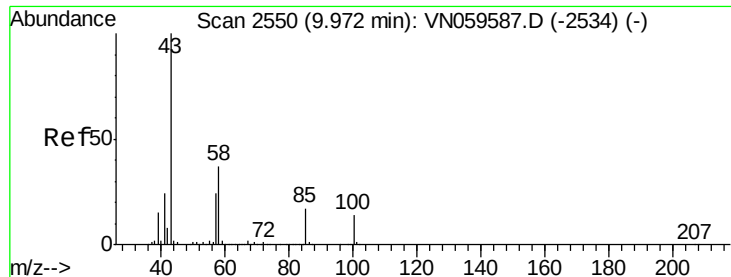
#50
Toluene-d8
Concen: 49.759 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

Tgt Ion: 98 Resp: 505205
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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: 1.673 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

Instrument :

MSVOA_N

ClientSampled :

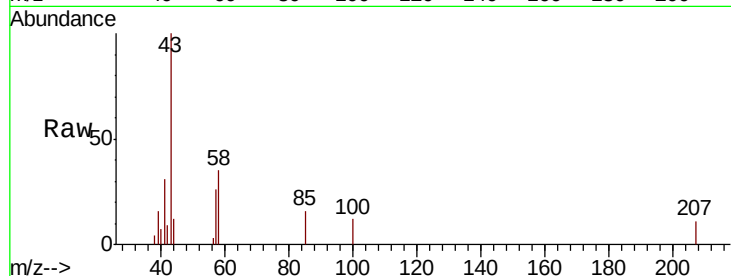
T2-COMP

Tgt Ion: 43 Resp: 7704

Ion Ratio Lower Upper

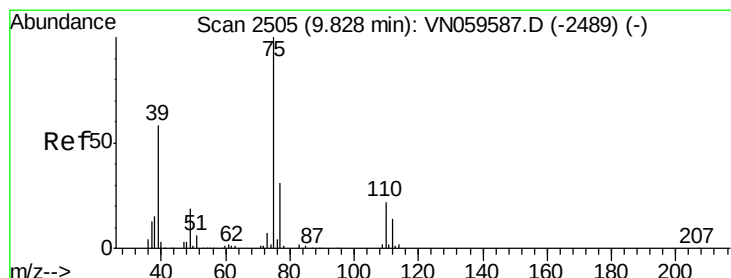
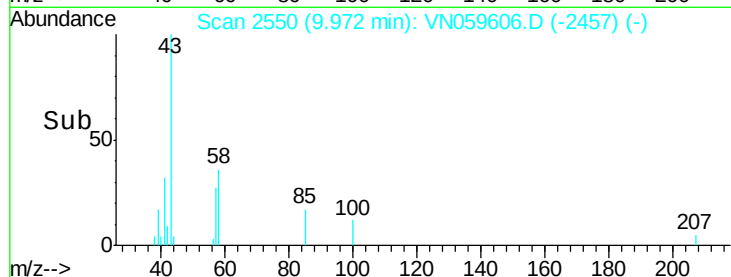
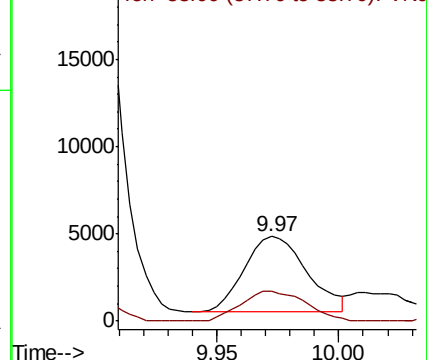
43 100

58 41.0 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.185 ug/l

RT: 9.90 min Scan# 2526

Delta R.T. 0.07 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

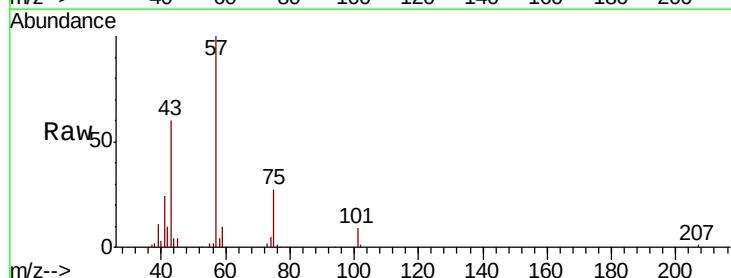
Tgt Ion: 75 Resp: 27769

Ion Ratio Lower Upper

75 100

77 1.0 25.1 37.7#

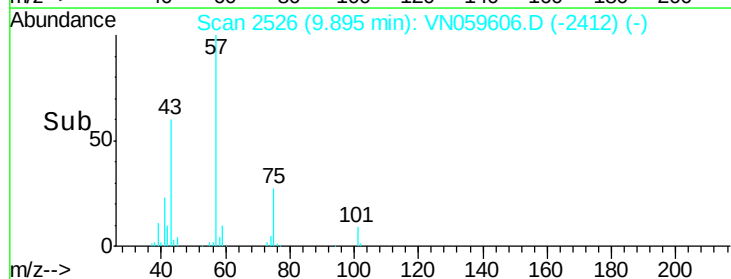
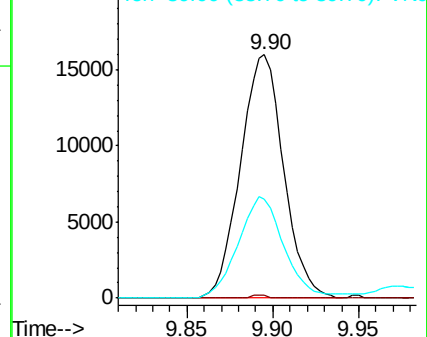
39 40.9 46.1 69.1#

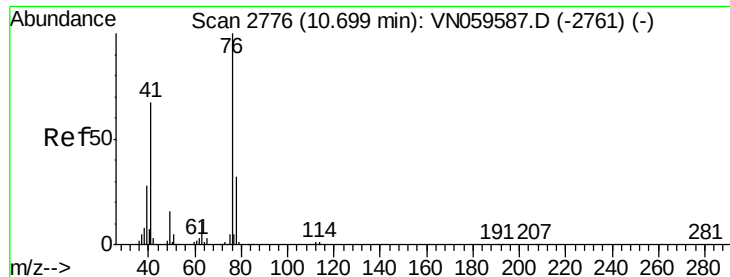


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.981 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

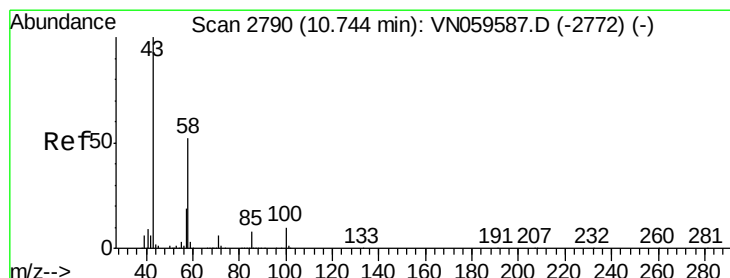
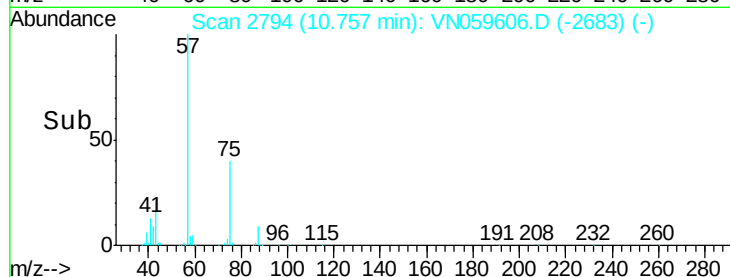
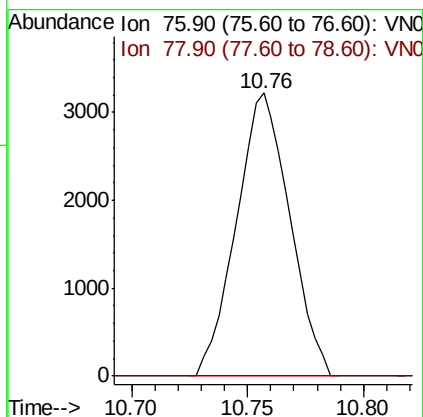
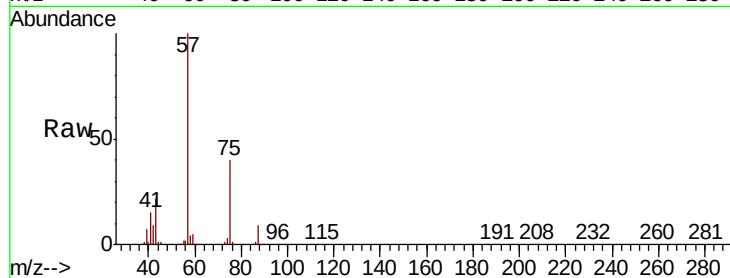
T2-COMP

Tgt Ion: 76 Resp: 5146

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 23.657 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN059606.D

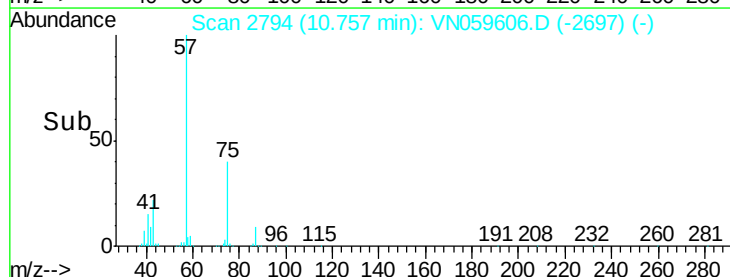
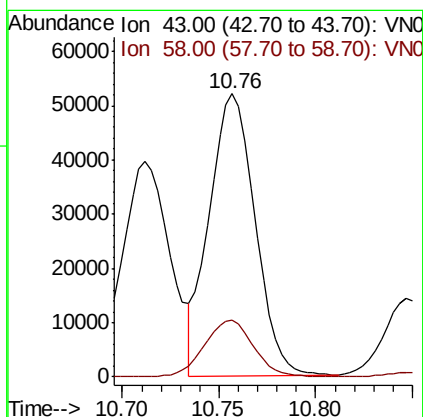
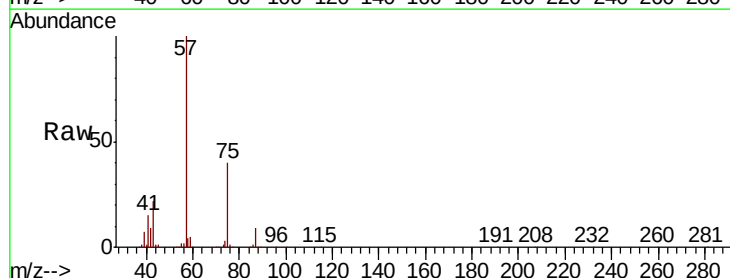
Acq: 16 Dec 2019 16:39

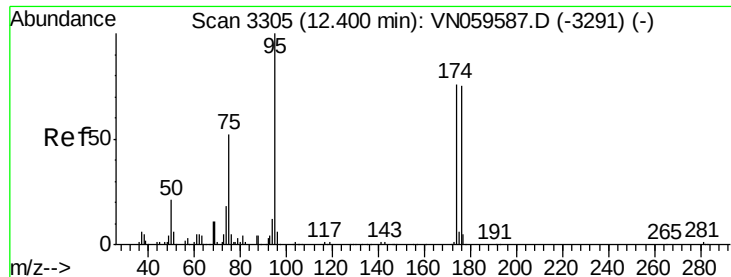
Tgt Ion: 43 Resp: 85859

Ion Ratio Lower Upper

43 100

58 21.5 25.8 77.3#





#62

4-Bromofluorobenzene

Concen: 46.094 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

T2-COMP

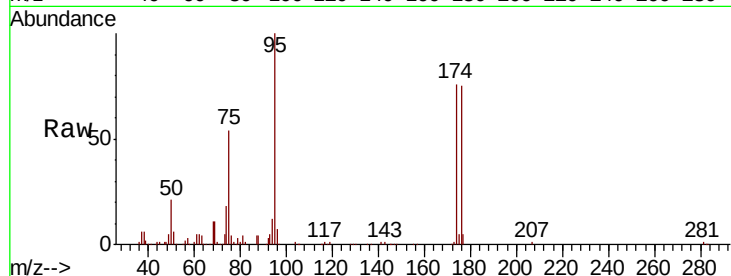
Tgt Ion: 95 Resp: 170767

Ion Ratio Lower Upper

95 100

174 76.6 0.0 151.4

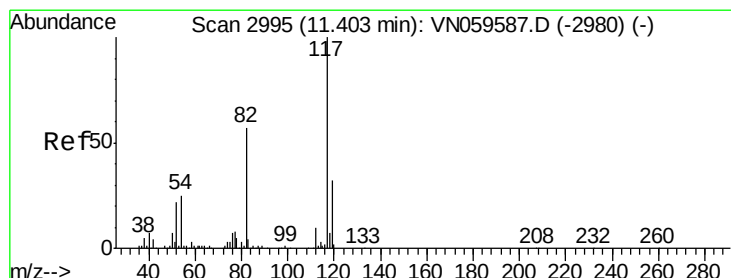
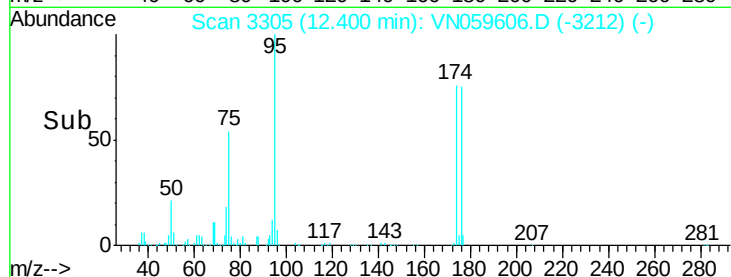
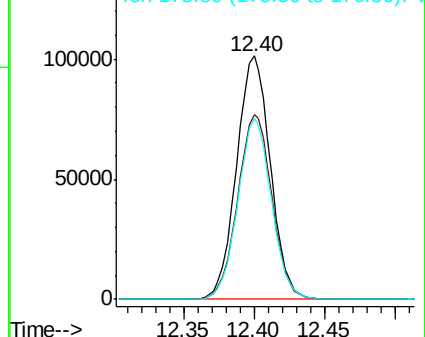
176 73.8 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059606.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN059606.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN059606.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

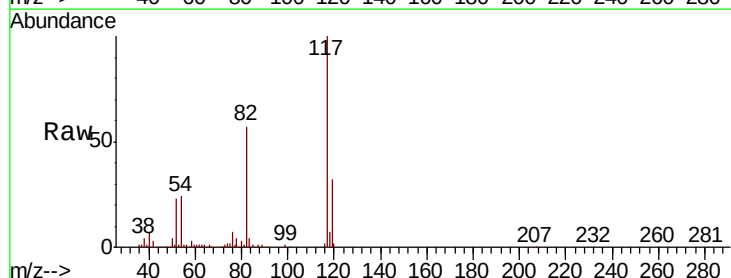
Tgt Ion: 117 Resp: 368414

Ion Ratio Lower Upper

117 100

82 56.9 45.9 68.9

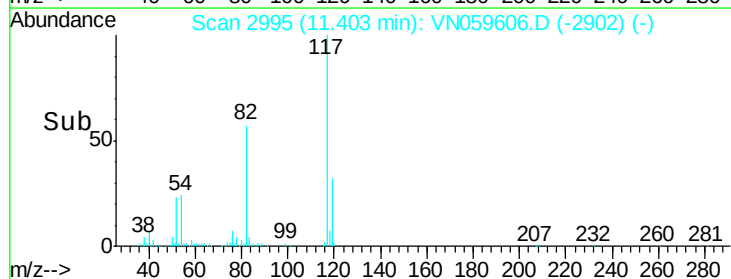
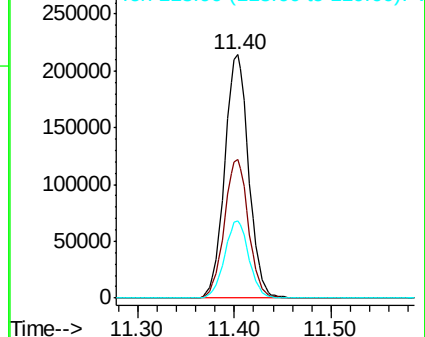
119 32.0 25.5 38.3

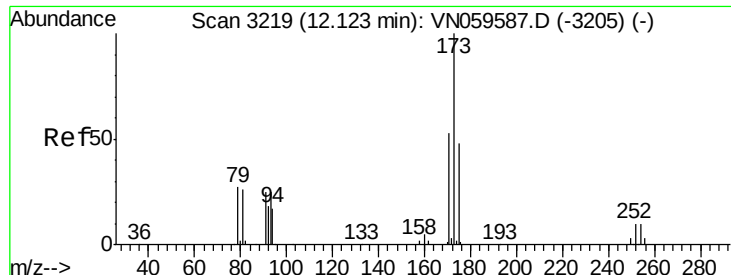


Abundance Ion 116.90 (116.60 to 117.60): VN059606.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059606.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059606.D (-2902) (-)





#71

Bromoform

Concen: 0.424 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

T2-COMP

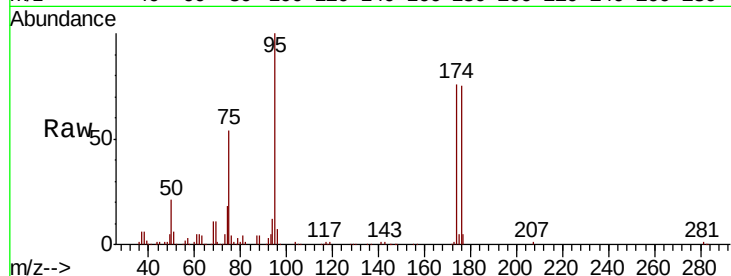
Tgt Ion:173 Resp: 964

Ion Ratio Lower Upper

173 100

175 806.1 23.8 71.4#

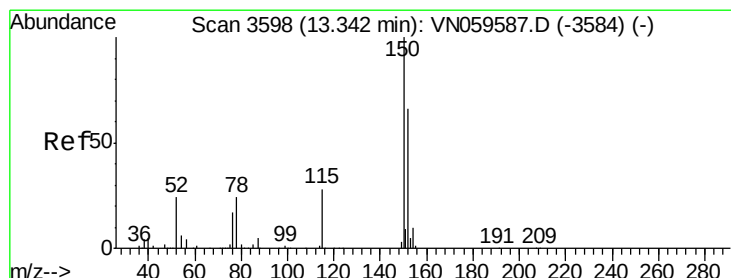
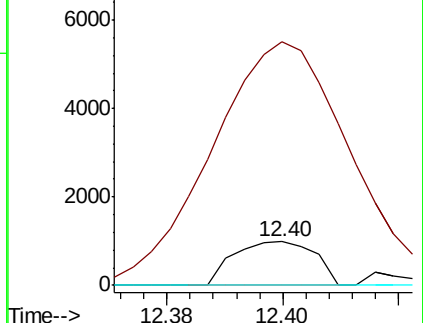
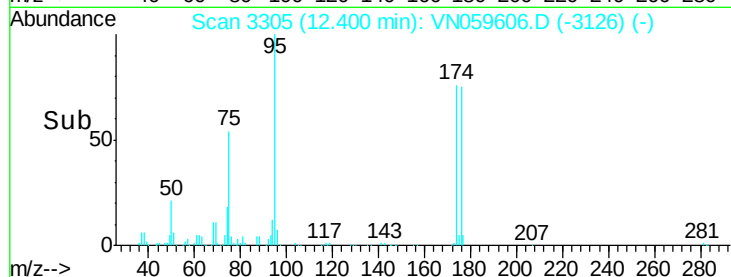
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

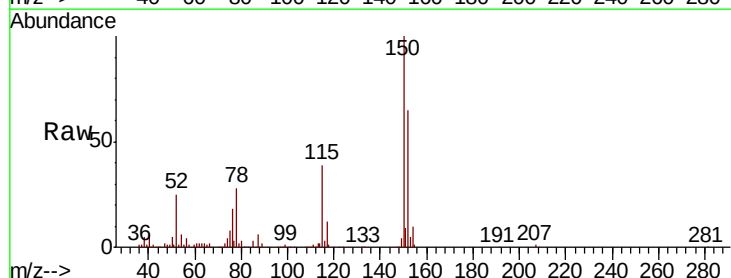
Tgt Ion:152 Resp: 148533

Ion Ratio Lower Upper

152 100

115 61.3 30.3 90.9

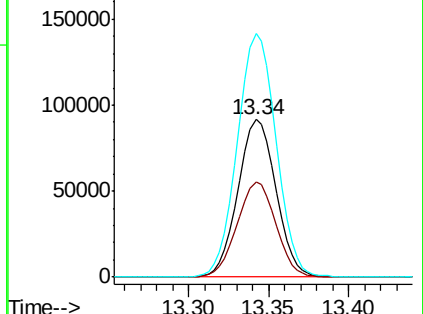
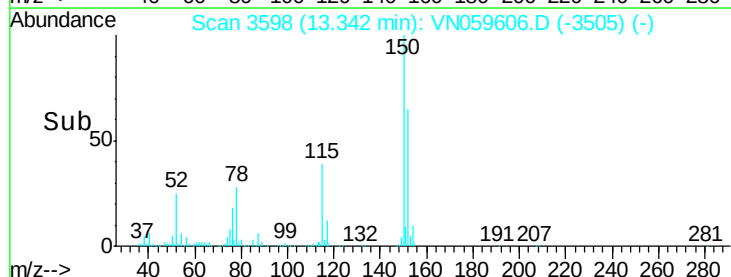
150 157.5 0.0 345.2

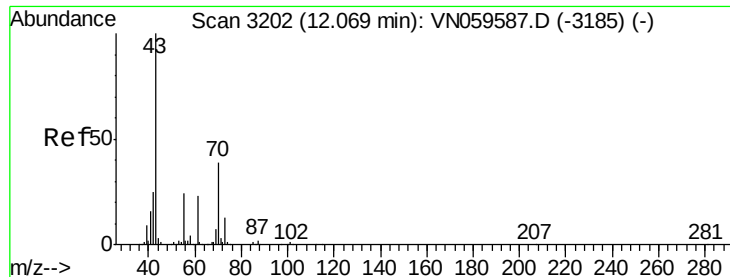


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 2.911 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059606.D

Acq: 16 Dec 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

T2-COMP

Tgt Ion: 43 Resp: 15571

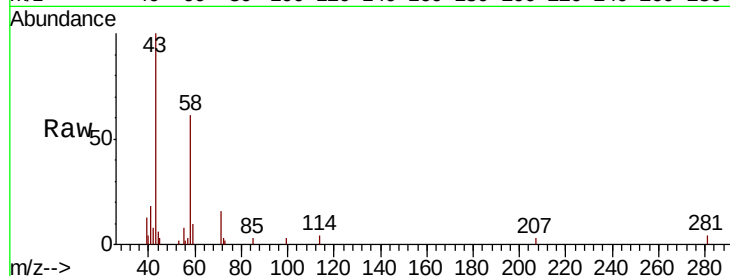
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 9.8 19.8 29.6#

61 0.0 18.3 27.5#

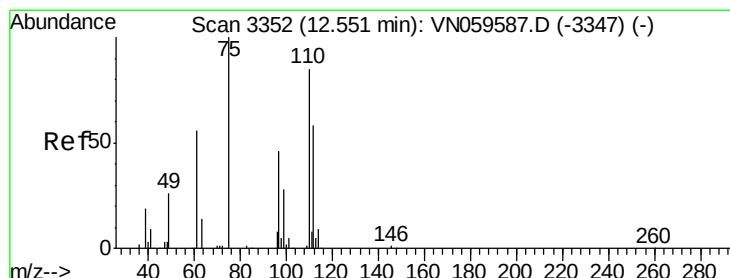
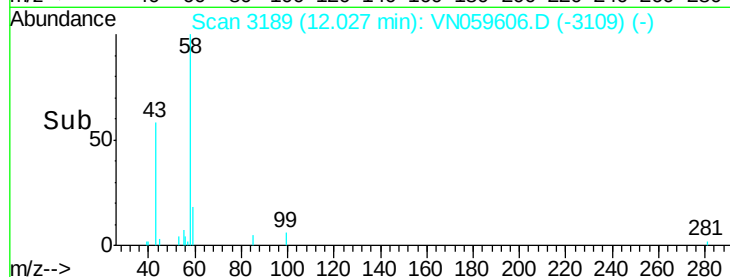
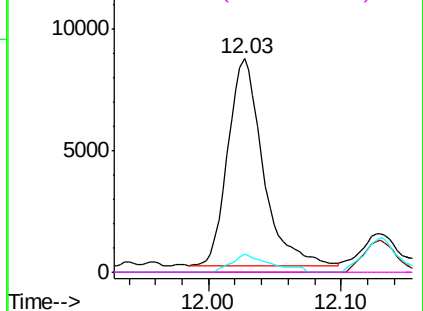


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 25.124 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059606.D

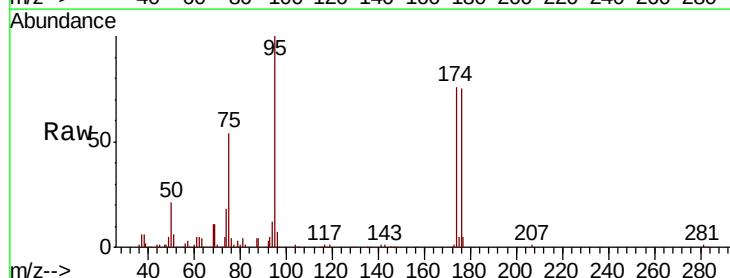
Acq: 16 Dec 2019 16:39

Tgt Ion: 75 Resp: 92382

Ion Ratio Lower Upper

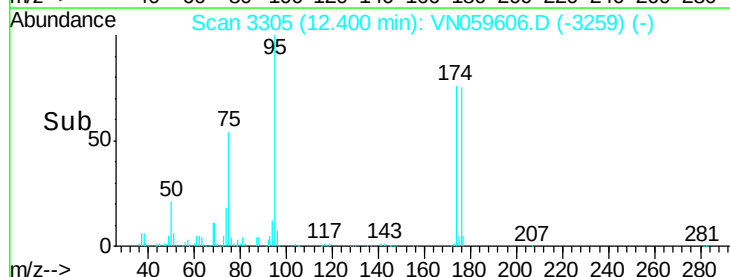
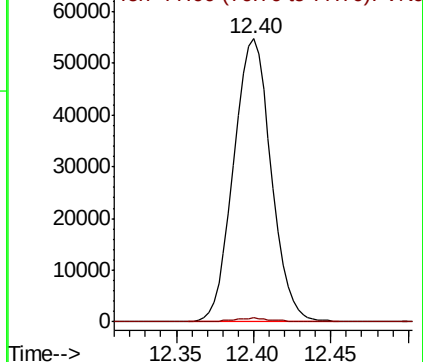
75 100

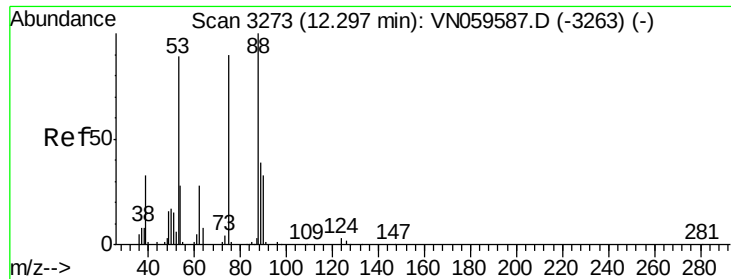
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

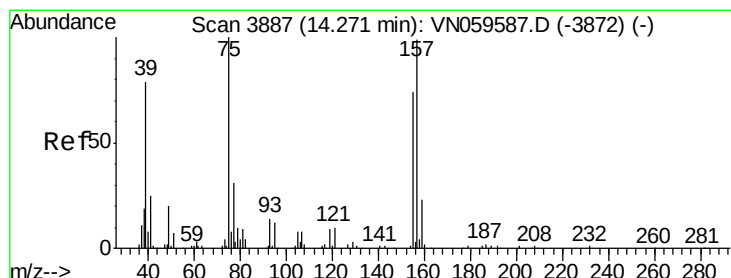
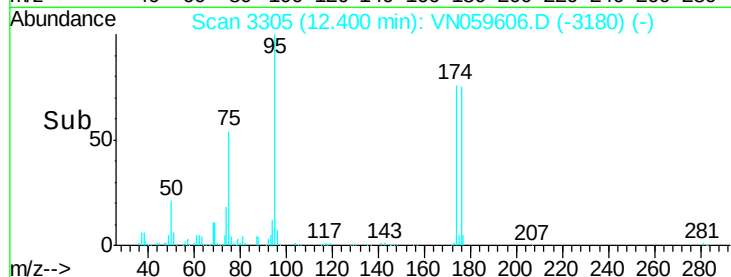
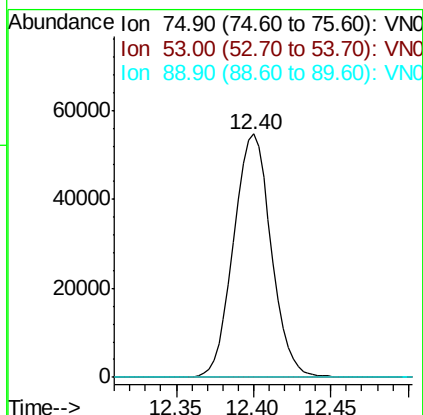
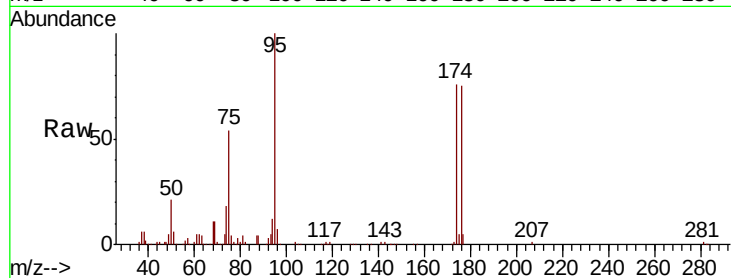




#81
trans-1,4-Dichloro-2-butene
Concen: 62.054 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

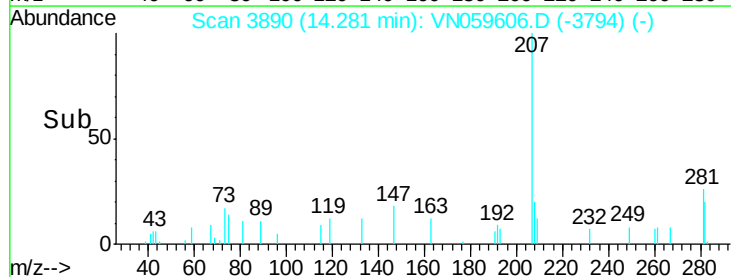
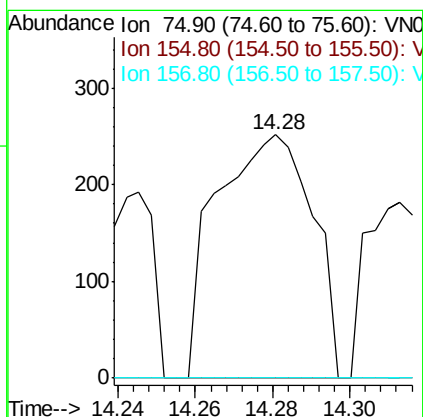
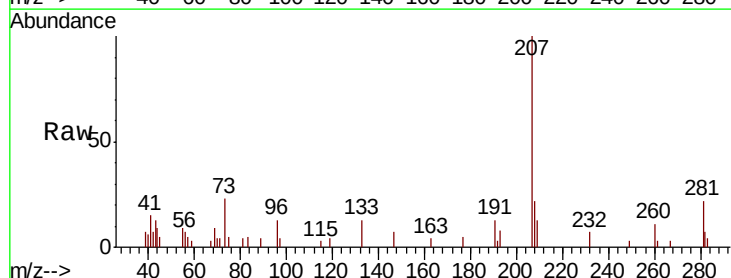
Instrument :
MSVOA_N
ClientSampled :
T2-COMP

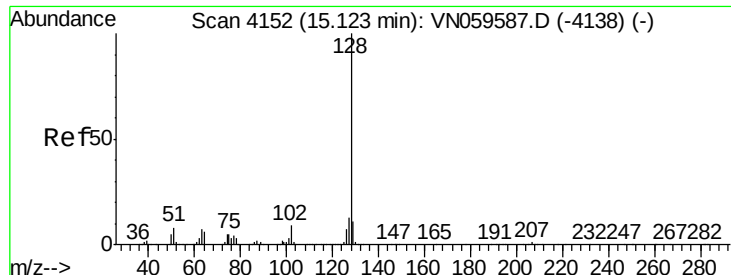
Tgt Ion: 75 Resp: 92382
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.027 ug/l
RT: 14.28 min Scan# 3890
Delta R.T. 0.01 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

Tgt Ion: 75 Resp: 434
Ion Ratio Lower Upper
75 100
155 0.0 37.0 110.9#
157 0.0 48.4 145.2#





#95
Naphthalene
Concen: 0.229 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059606.D
Acq: 16 Dec 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
T2-COMP

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.4	15.6#
129	0.0	8.6	12.8#

