

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058831.D
 Acq On : 17 Oct 2019 16:36
 Operator : JC/SP
 Sample : K5393-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T-9-U3-(0)

Quant Time: Oct 18 01:29:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	366367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	591385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	534047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	201974	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	271678	52.97	ug/l	0.00
Spiked Amount						
			Recovery	=	105.94%	
35) Dibromofluoromethane	7.57	113	193142	52.87	ug/l	0.00
Spiked Amount						
			Recovery	=	105.74%	
50) Toluene-d8	10.09	98	748338	51.23	ug/l	0.00
Spiked Amount						
			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	236511	42.77	ug/l	0.00
Spiked Amount						
			Recovery	=	85.54%	

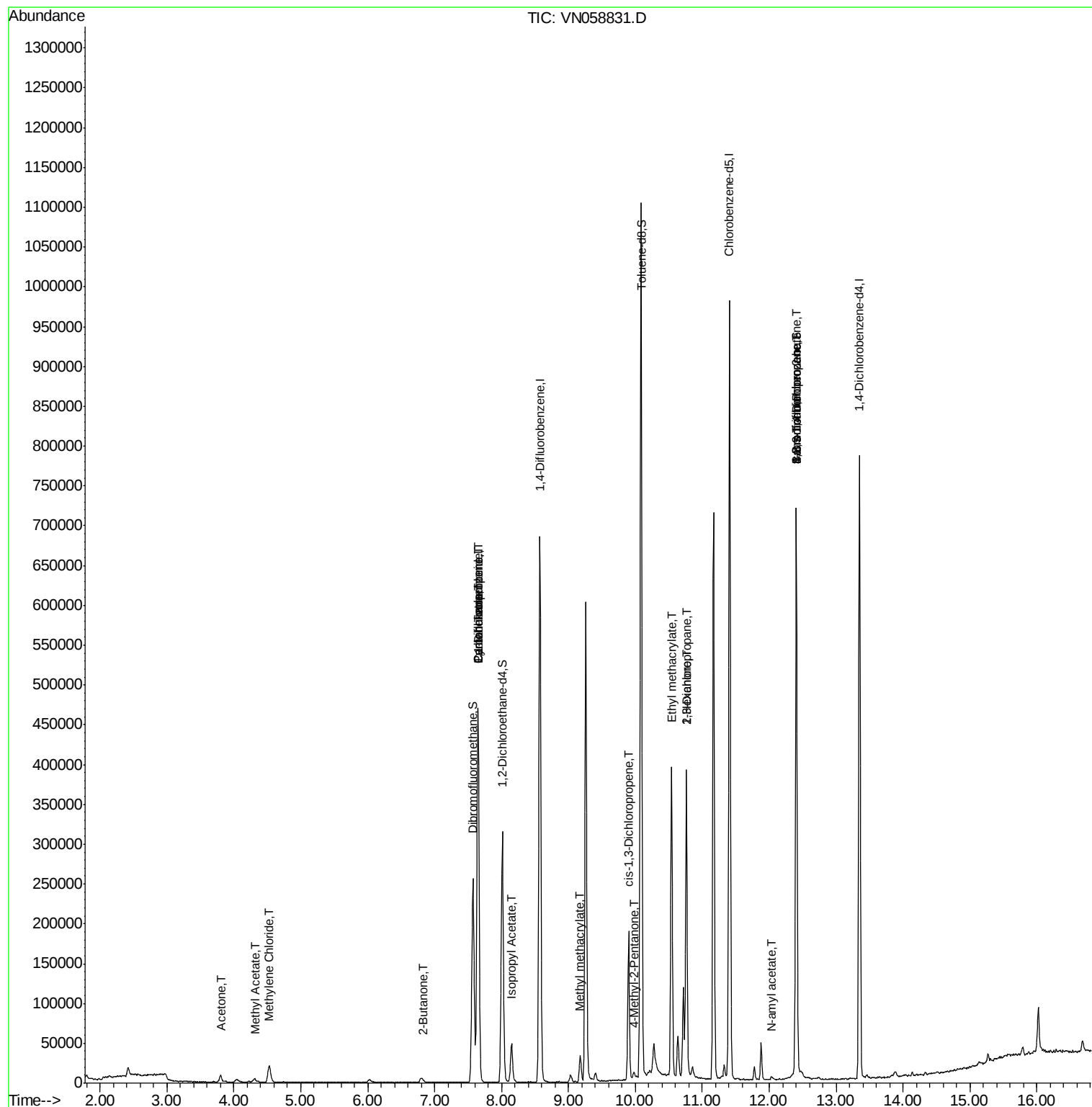
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	15331	7.220	ug/l	100
18) Methyl Acetate	4.31	43	7050	1.309	ug/l #	88
20) Methylene Chloride	4.53	84	15490	3.490	ug/l	97
25) 2-Butanone	6.83	43	2119	0.690	ug/l #	50
31) Cyclohexane	7.64	56	8386	1.115	ug/l #	16
36) 1,1-Dichloropropene	7.64	75	32805	5.486	ug/l #	50
38) Carbon Tetrachloride	7.65	117	36920	6.336	ug/l #	16
43) Isopropyl Acetate	8.15	43	56539	5.488	ug/l #	91
48) Methyl methacrylate	9.17	41	4763	1.020	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	5527	0.955	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	31305	4.331	ug/l #	68
56) Ethyl methacrylate	10.54	69	1670	0.266	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3918	0.535	ug/l #	42
59) 2-Hexanone	10.76	43	58690	13.127	ug/l #	54
71) Bromoform	12.40	173	1503	0.511	ug/l #	1
74) N-amyl acetate	12.03	43	3219	0.490	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	127536	28.784	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	127536	77.103	ug/l #	11

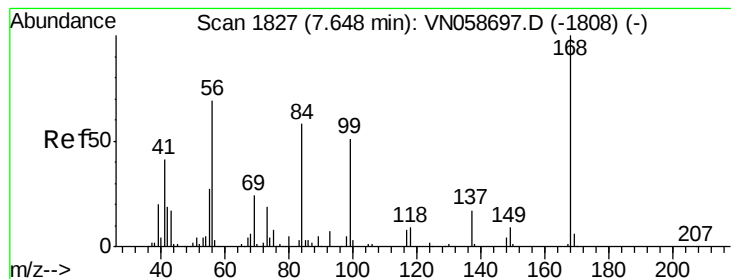
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

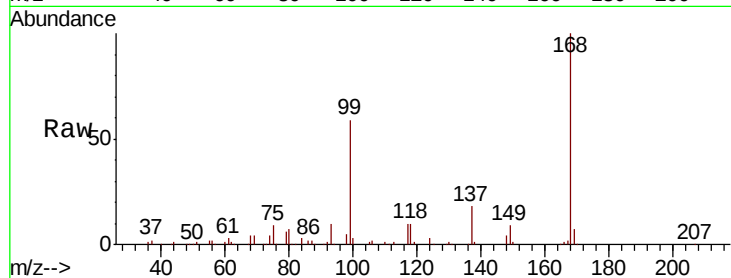
T-9-U3-(0)

Tot Ion:168 Resp: 366367

Ion Ratio Lower Upper

168 100

99 59.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

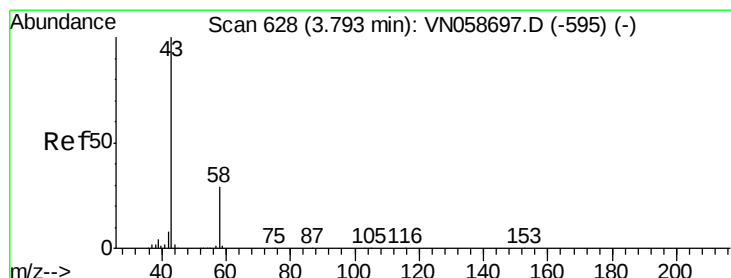
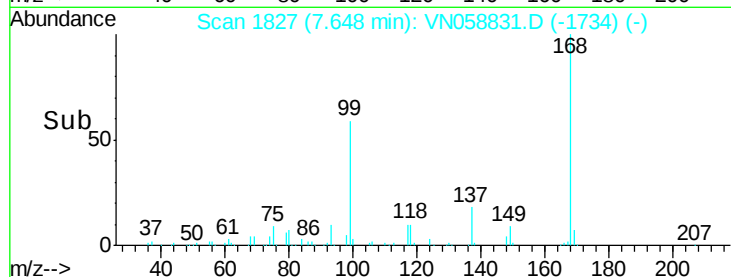
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.220 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058831.D

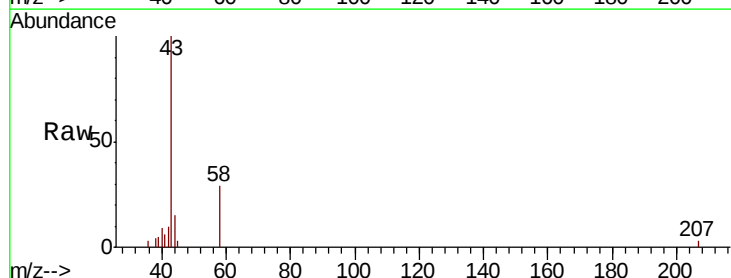
Acq: 17 Oct 2019 16:36

Tgt Ion: 43 Resp: 15331

Ion Ratio Lower Upper

43 100

58 28.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

6000

5000

4000

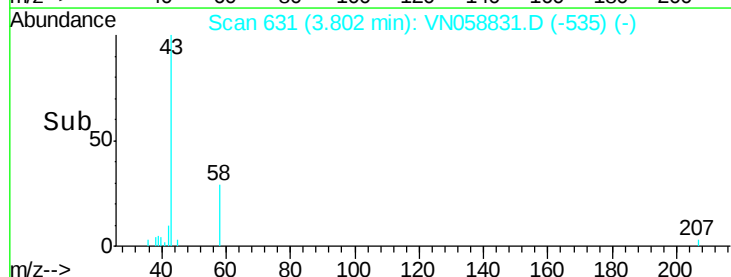
3000

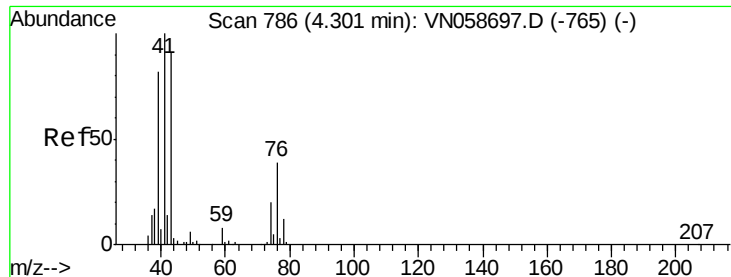
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1000

0

Time-->

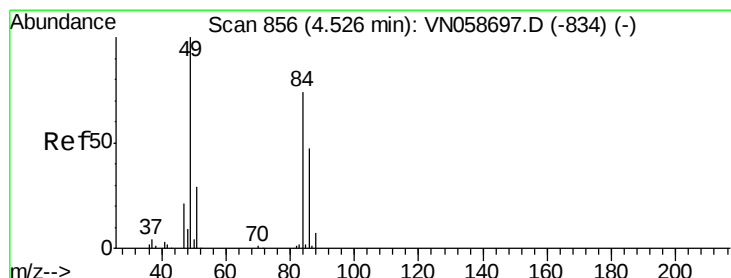
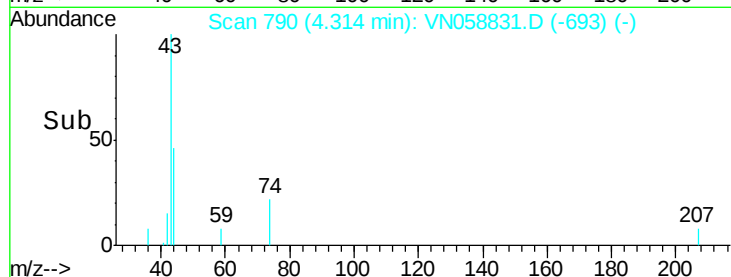
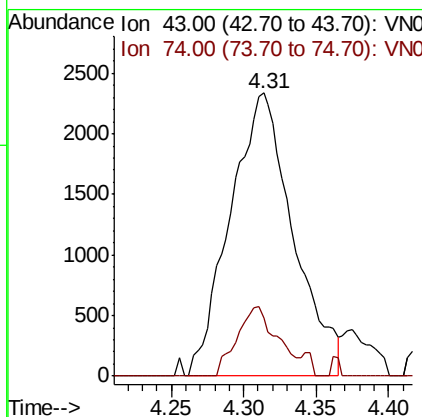
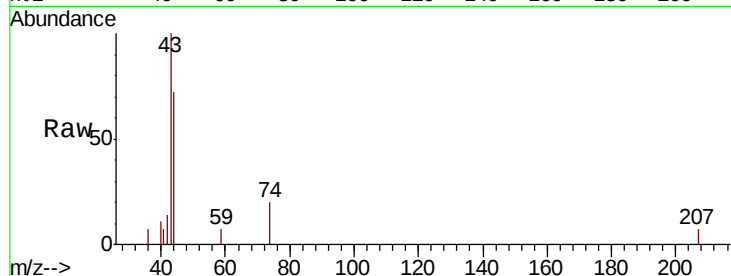




#18
Methyl Acetate
Concen: 1.309 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

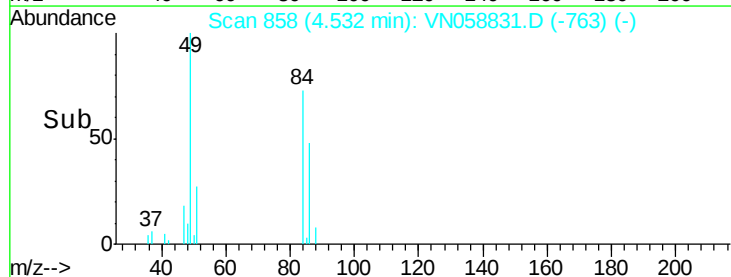
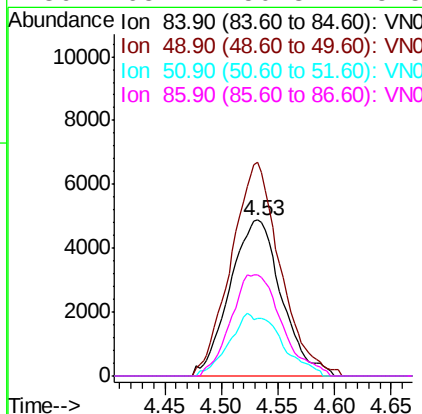
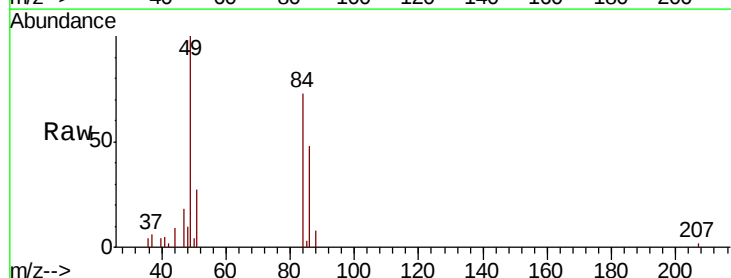
Instrument :
MSVOA_N
ClientSampled :
T-9-U3-(0)

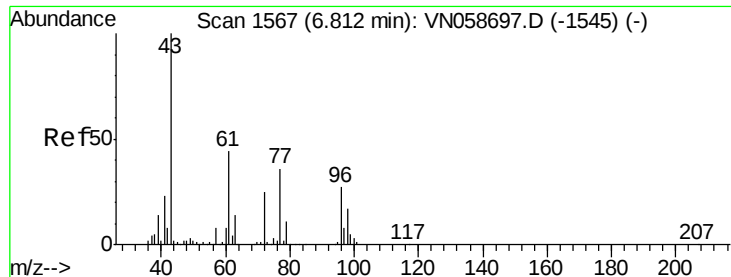
Tot Ion: 43 Resp: 7050
Ion Ratio Lower Upper
43 100
74 15.9 17.2 25.8#



#20
Methylene Chloride
Concen: 3.490 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

Tgt Ion: 84 Resp: 15490
Ion Ratio Lower Upper
84 100
49 137.3 107.6 161.4
51 36.7 31.4 47.0
86 65.4 50.3 75.5

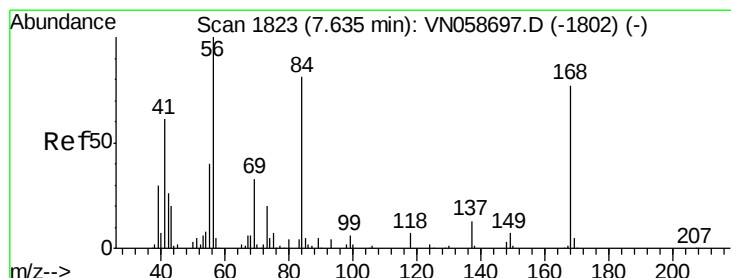
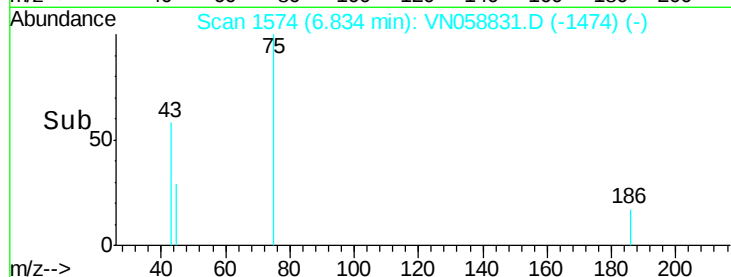
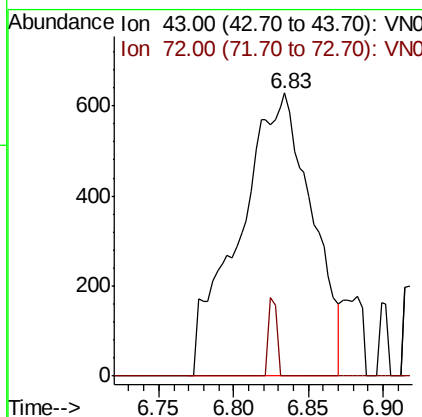
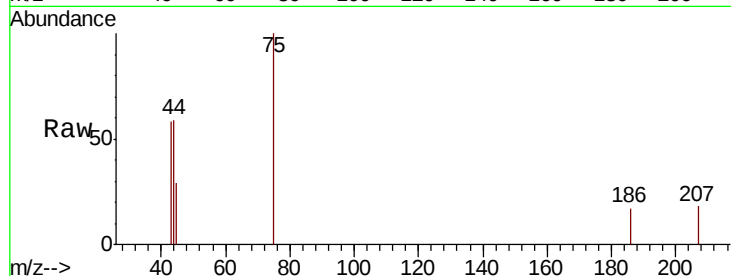




#25
2-Butanone
Concen: 0.690 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

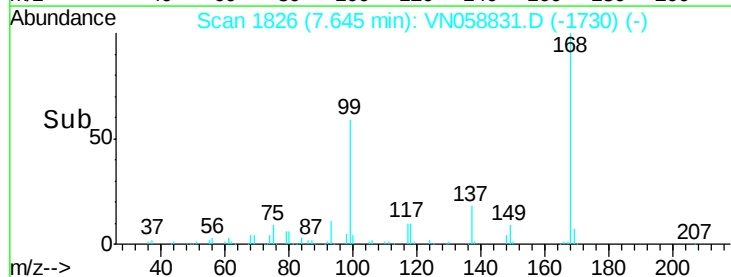
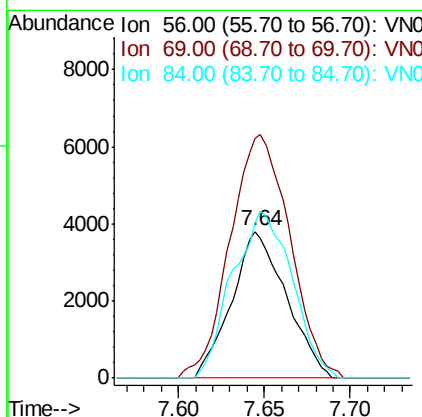
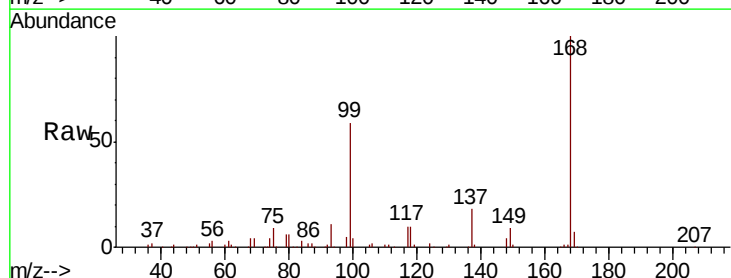
Instrument :
MSVOA_N
ClientSampleId :
T-9-U3-(0)

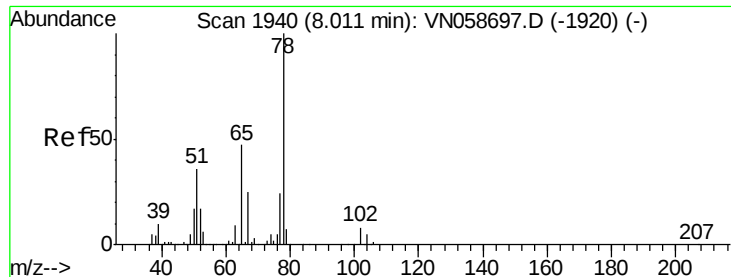
Tot Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

Tgt Ion: 56 Resp: 8386
Ion Ratio Lower Upper
56 100
69 159.4 26.2 39.4#
84 105.7 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 52.968 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

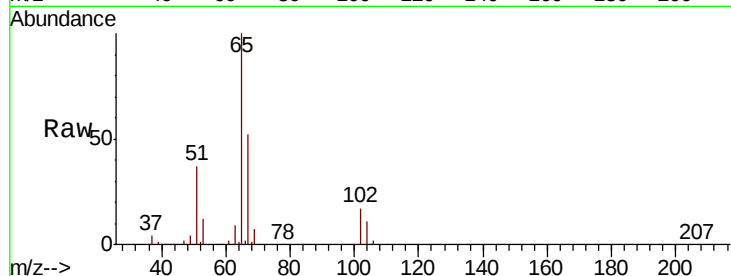
T-9-U3-(0)

Tot Ion: 65 Resp: 271678

Ion Ratio Lower Upper

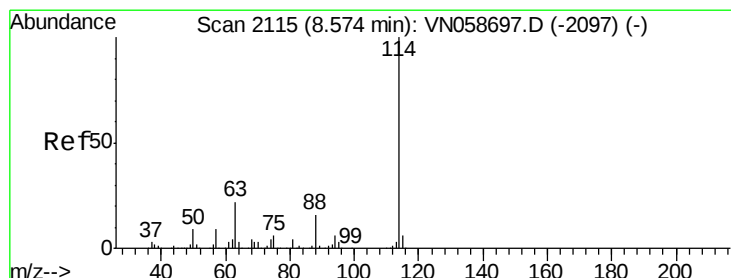
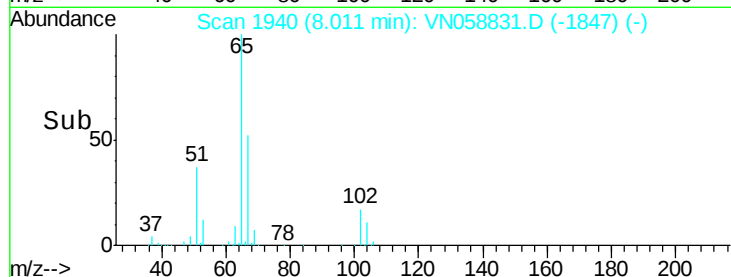
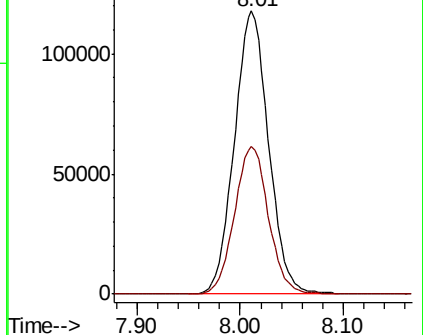
65 100

67 51.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058831.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058831.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

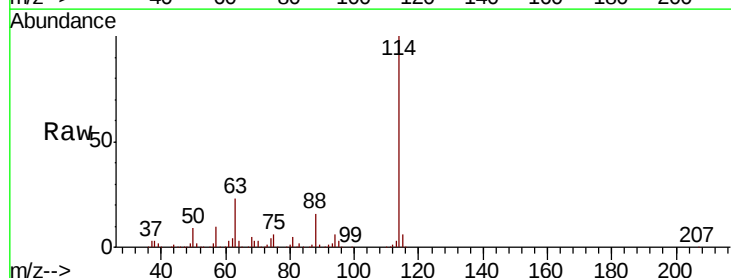
Tgt Ion: 114 Resp: 591385

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.8

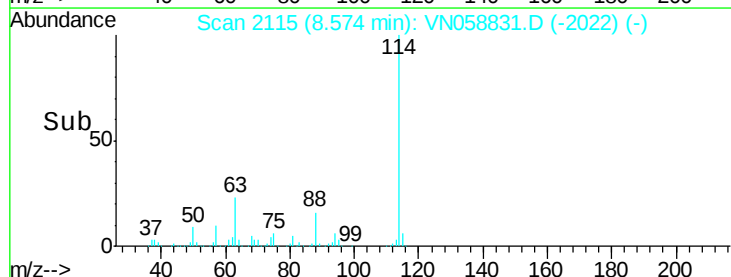
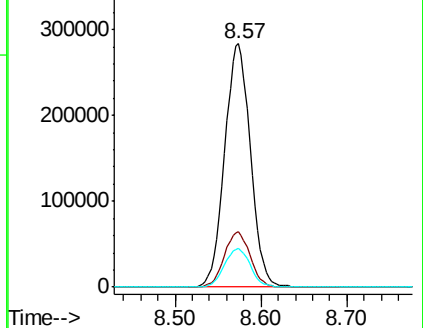
88 15.7 0.0 32.0

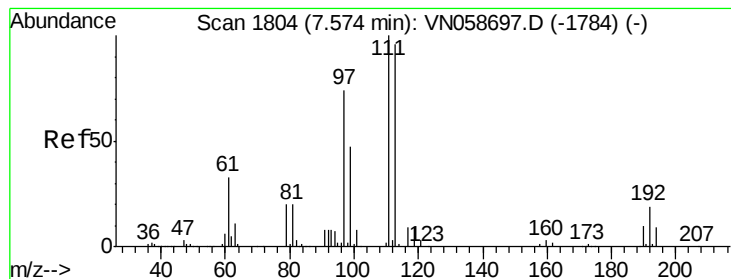


Abundance Ion 113.90 (113.60 to 114.60): VN058831.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058831.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058831.D (-2022) (-)





#35

Dibromofluoromethane

Concen: 52.874 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampled :

T-9-U3-(0)

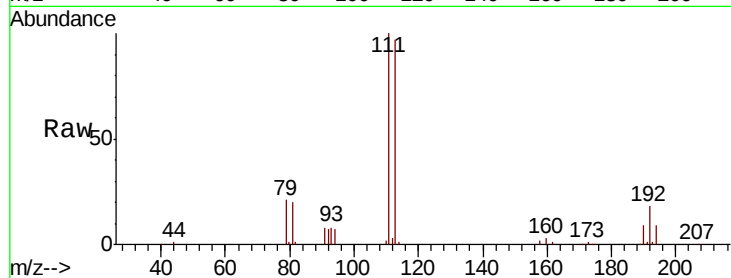
Tot Ion:113 Resp: 193142

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

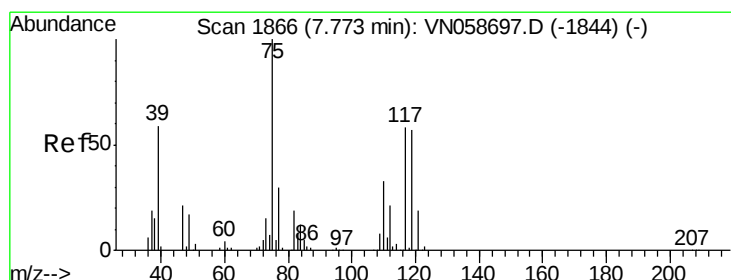
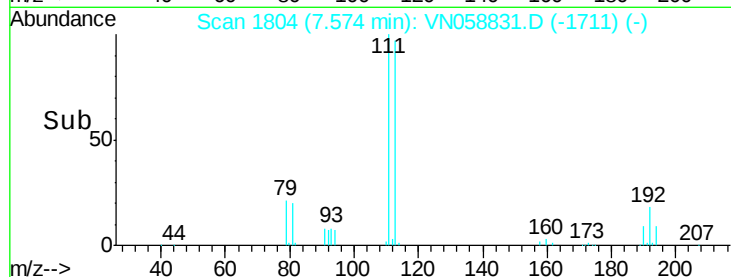
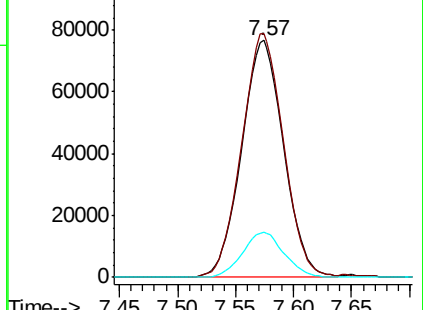
192 18.8 15.0 22.6



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: 5.486 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

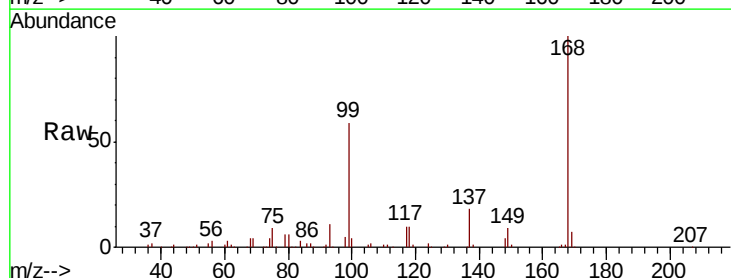
Tgt Ion: 75 Resp: 32805

Ion Ratio Lower Upper

75 100

110 8.5 16.6 49.8#

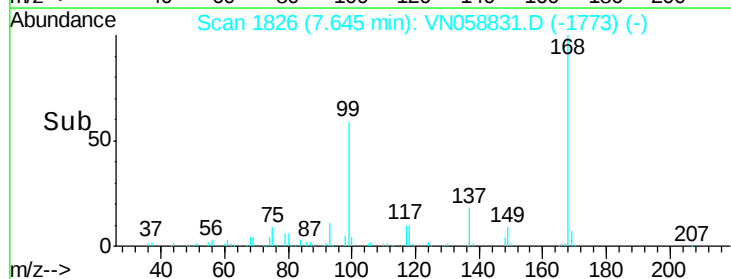
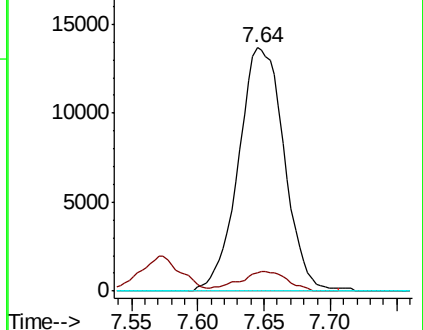
77 0.0 24.6 37.0#

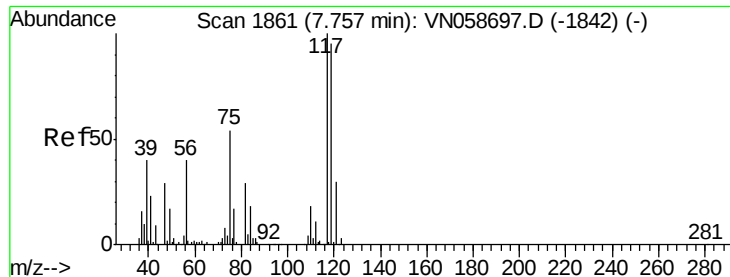


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

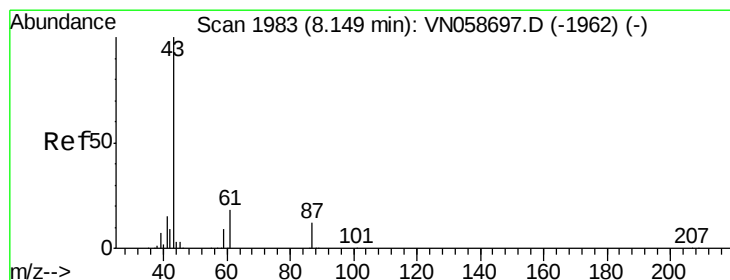
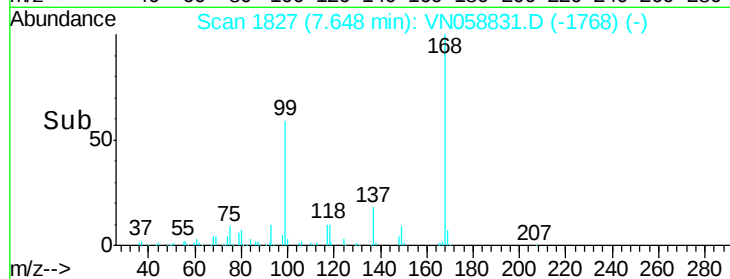
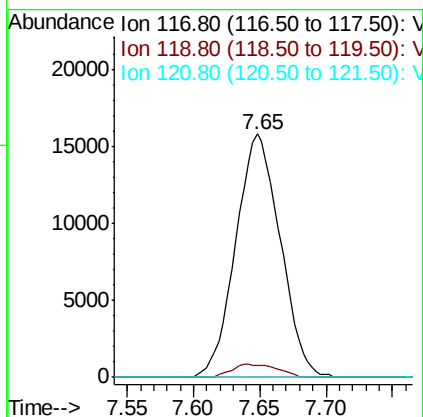
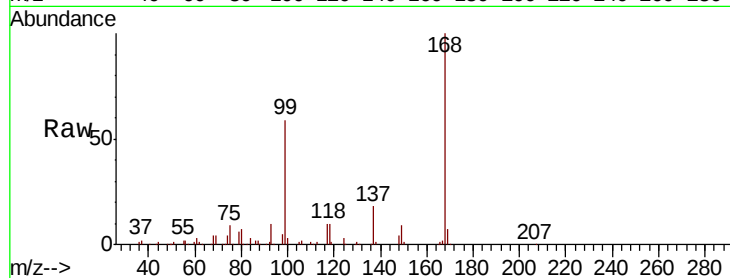




#38
Carbon Tetrachloride
Concen: 6.336 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

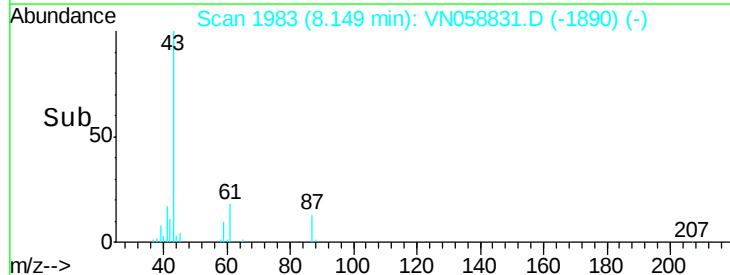
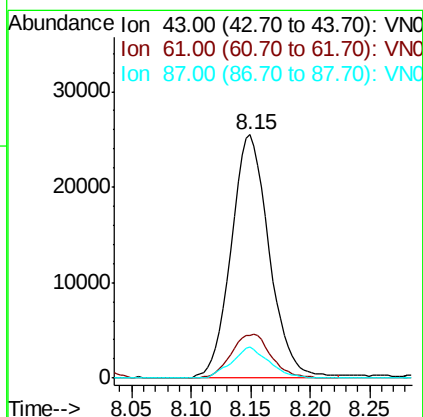
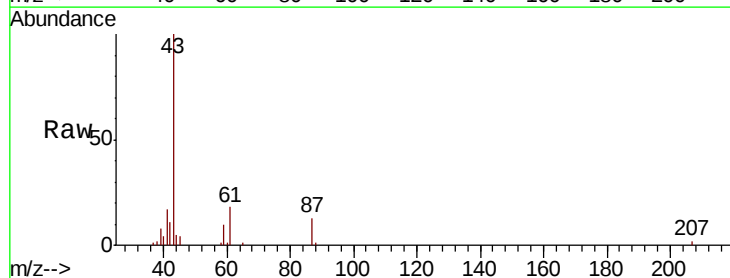
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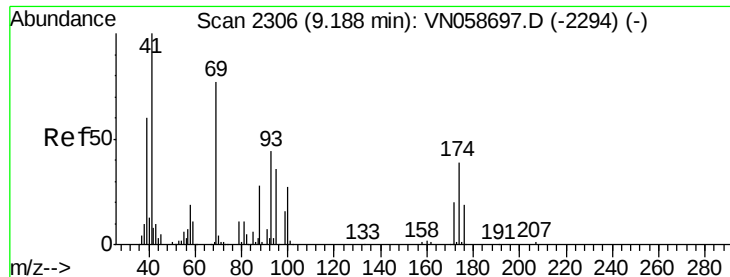
Tot Ion:117 Resp: 36920
Ion Ratio Lower Upper
117 100
119 4.9 75.7 113.5#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 5.488 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

Tgt Ion: 43 Resp: 56539
Ion Ratio Lower Upper
43 100
61 18.7 20.3 30.5#
87 12.2 9.8 14.6

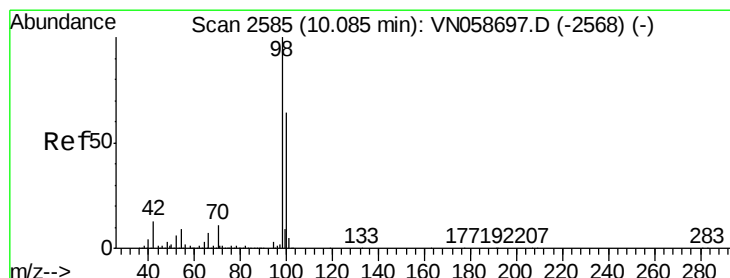
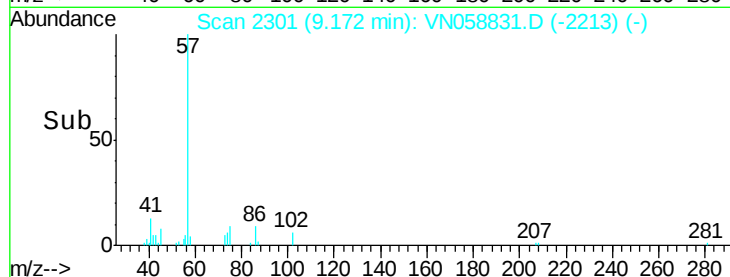
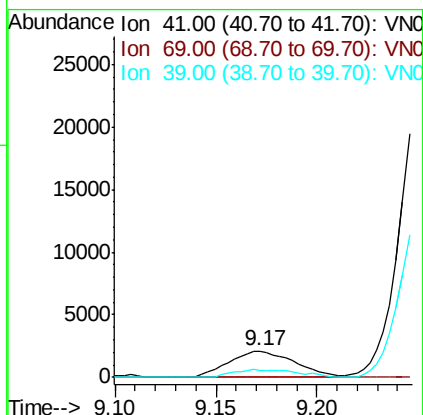
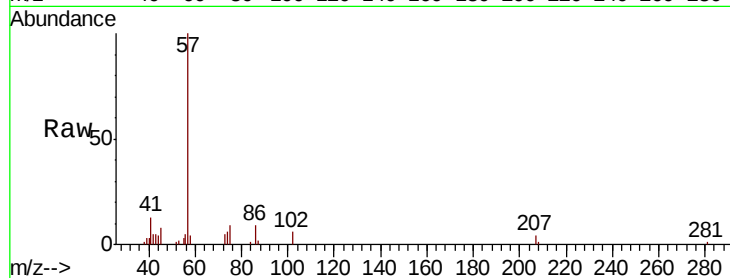




#48
Methvl methacrylate
Concen: 1.020 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

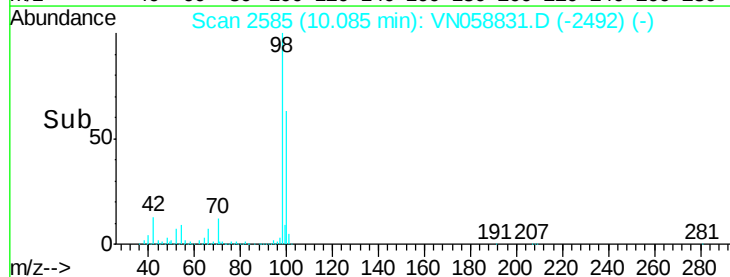
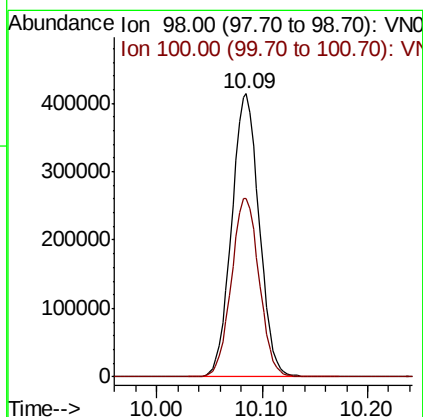
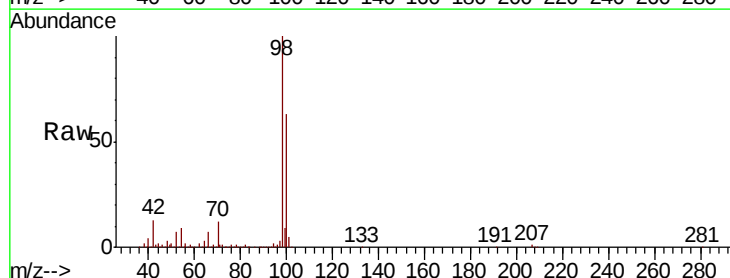
Instrument :
MSVOA_N
ClientSampled :
T-9-U3-(0)

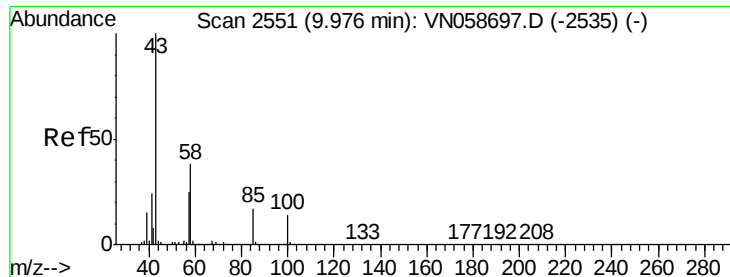
Tot Ion: 41 Resp: 4763
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 0.0 48.9 73.3#



#50
Toluene-d8
Concen: 51.230 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

Tgt Ion: 98 Resp: 748338
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7

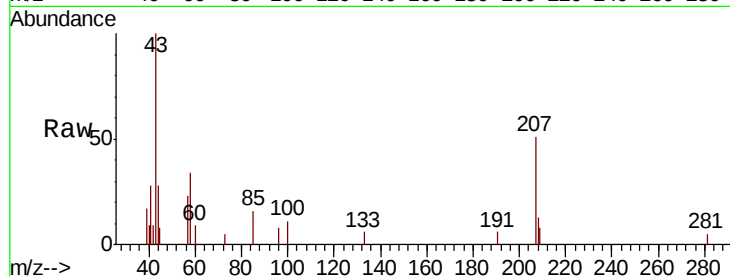




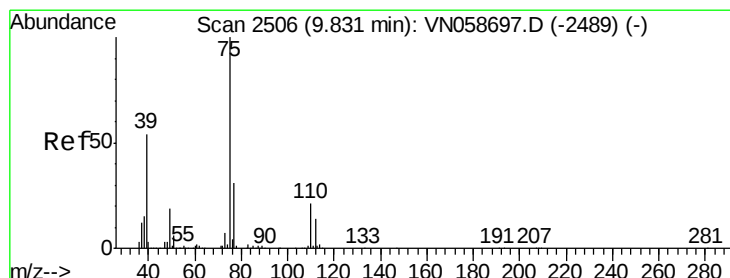
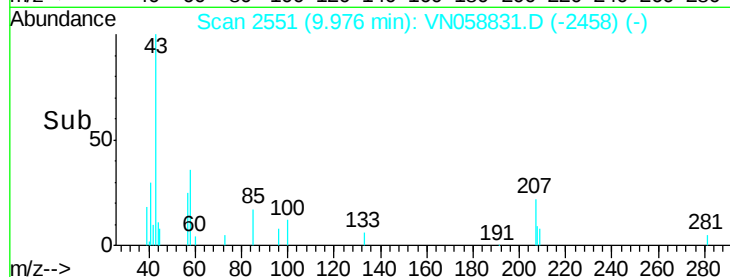
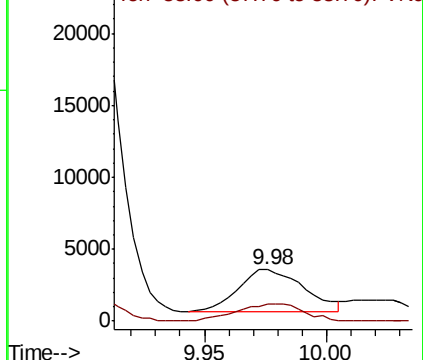
#51
 4-Methyl-2-Pentanone
 Concen: 0.955 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN058831.D
 Acq: 17 Oct 2019 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 T-9-U3-(0)

Tot Ion: 43 Resp: 5527
 Ion Ratio Lower Upper
 43 100
 58 41.3 30.3 45.5

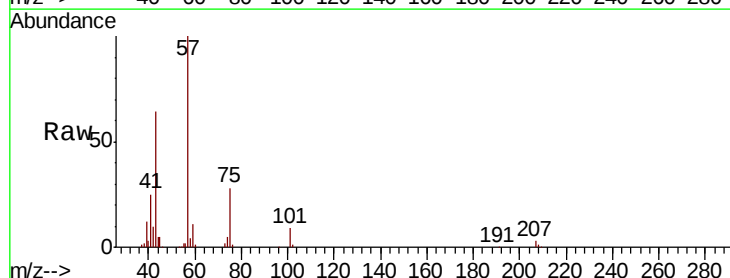


Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

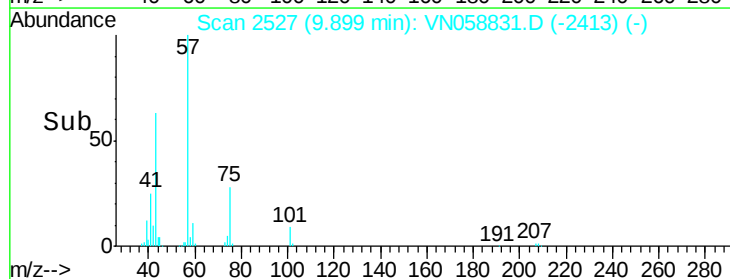
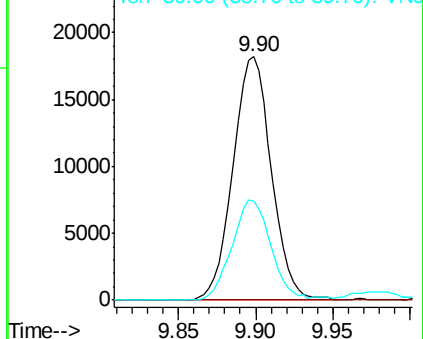


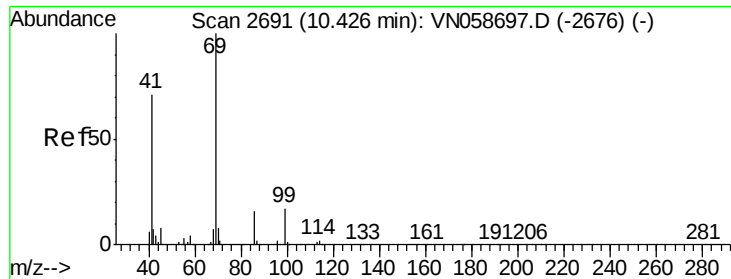
#54
 cis-1,3-Dichloropropene
 Concen: 4.331 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN058831.D
 Acq: 17 Oct 2019 16:36

Tgt Ion: 75 Resp: 31305
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.4 36.6#
 39 40.9 43.1 64.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#56

Ethyl methacrylate

Concen: 0.266 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

T-9-U3-(0)

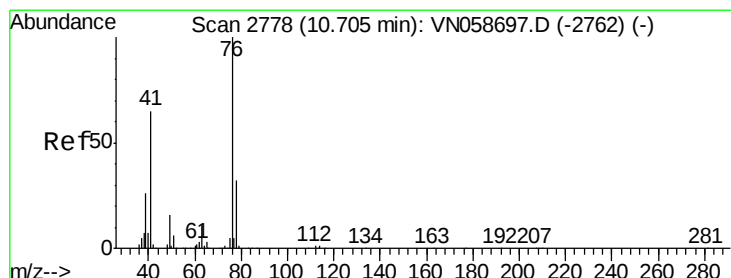
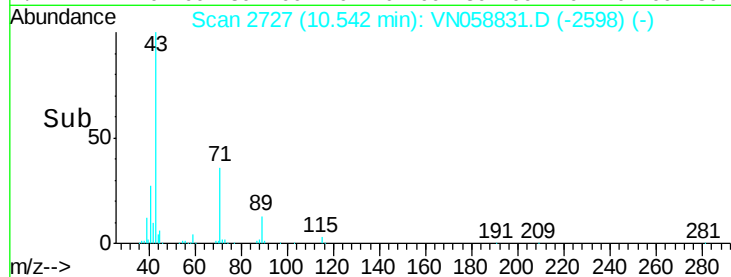
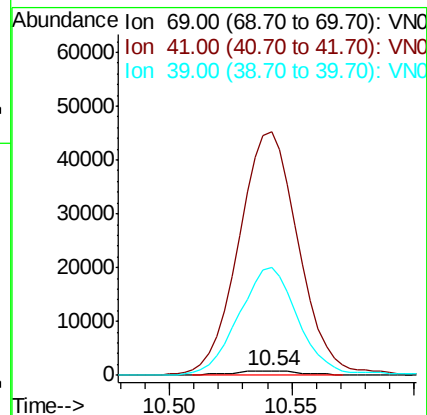
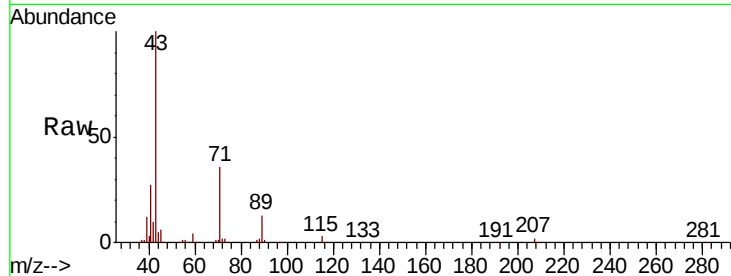
Tot Ion: 69 Resp: 1670

Ion Ratio Lower Upper

69 100

41 4566.3 56.8 85.2#

39 2048.1 32.5 48.7#



#57

1,3-Dichloropropane

Concen: 0.535 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058831.D

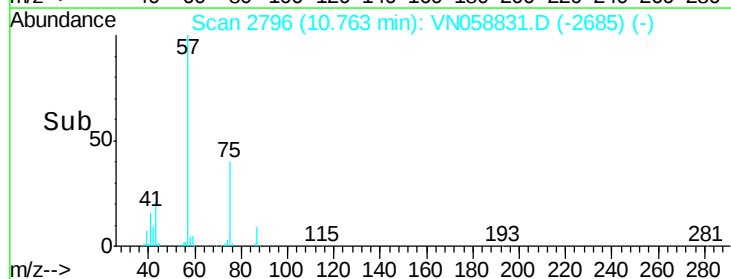
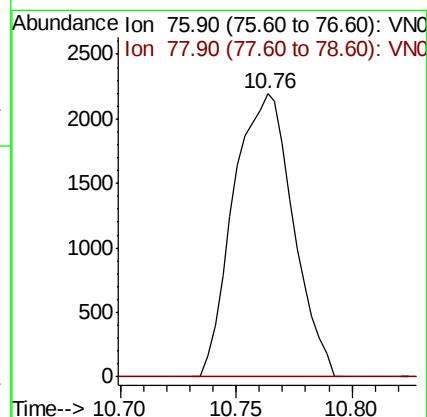
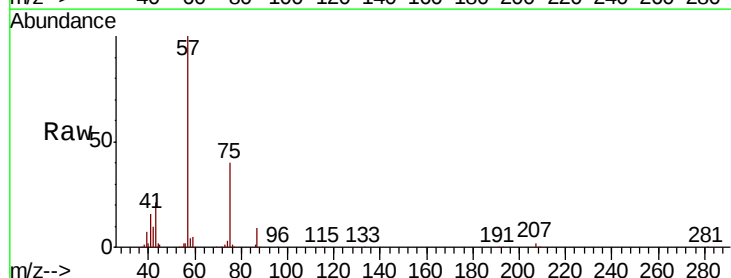
Acq: 17 Oct 2019 16:36

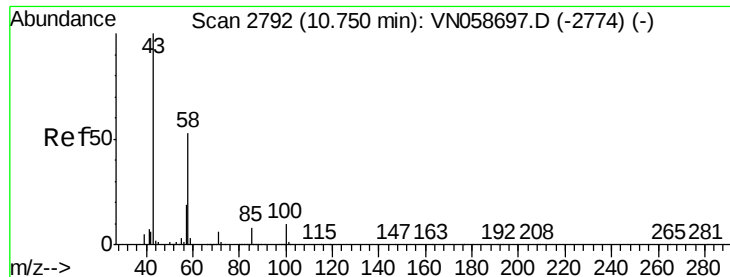
Tgt Ion: 76 Resp: 3918

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#

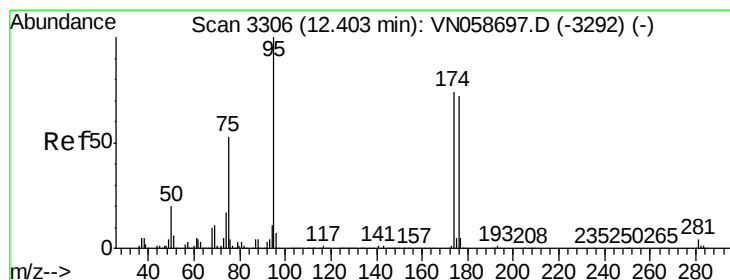
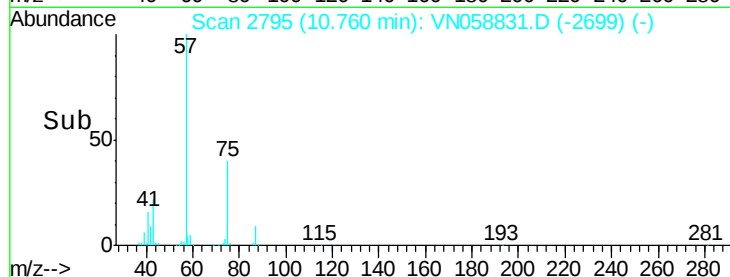
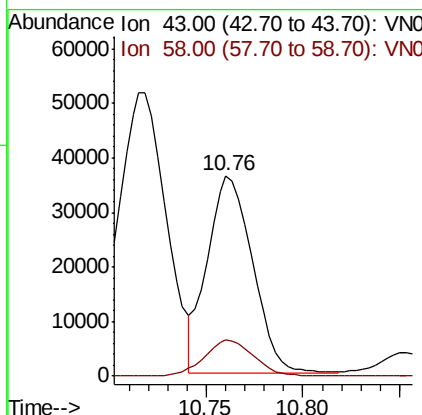
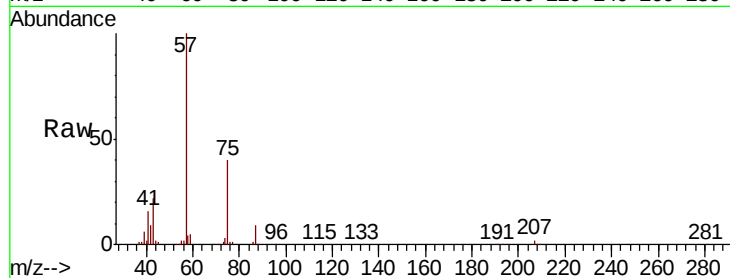




#59
2-Hexanone
Concen: 13.127 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

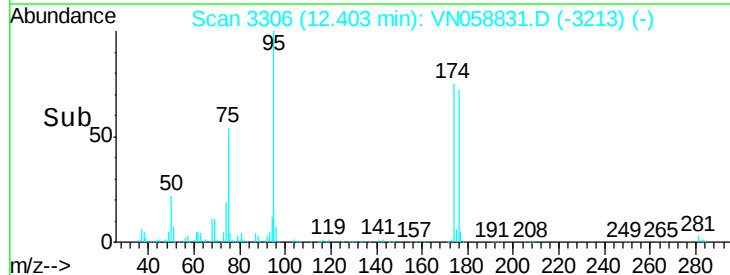
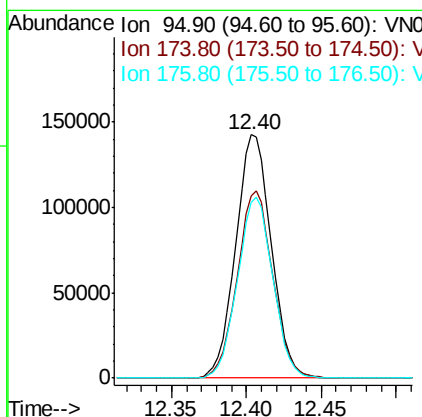
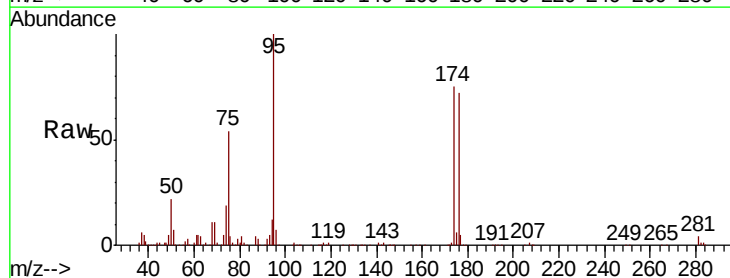
Instrument :
MSVOA_N
ClientSampleId :
T-9-U3-(0)

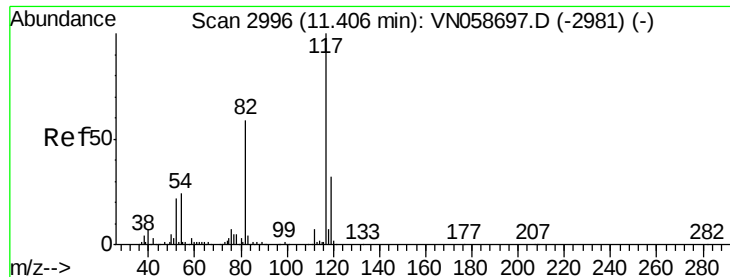
Tot Ion: 43 Resp: 58690
Ion Ratio Lower Upper
43 100
58 19.9 26.1 78.3#



#62
4-Bromofluorobenzene
Concen: 42.774 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

Tgt Ion: 95 Resp: 236511
Ion Ratio Lower Upper
95 100
174 77.0 0.0 150.4
176 73.9 0.0 146.8

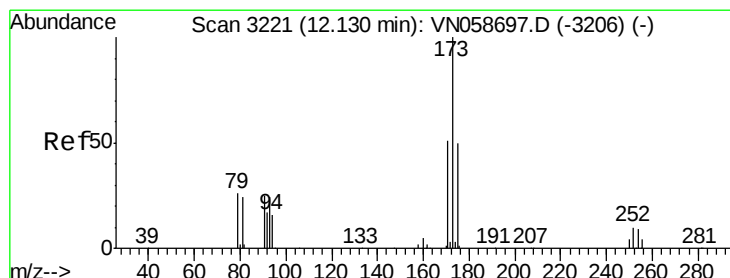
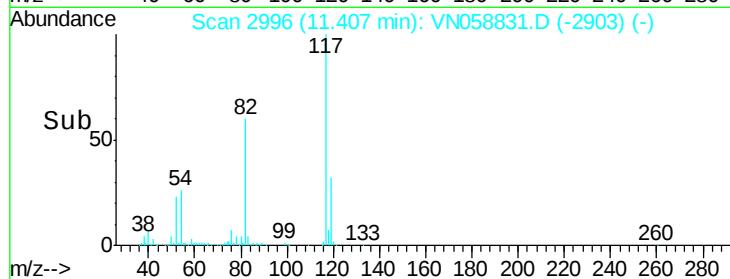
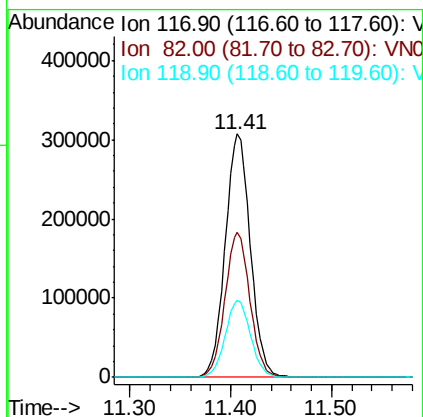
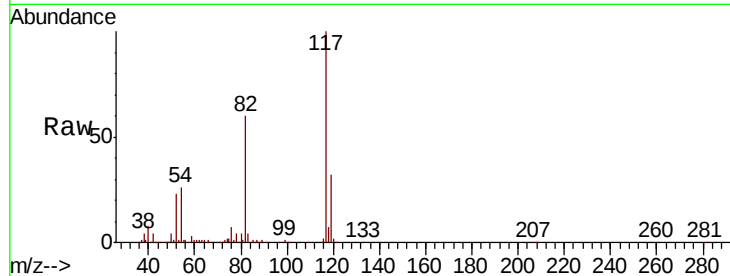




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

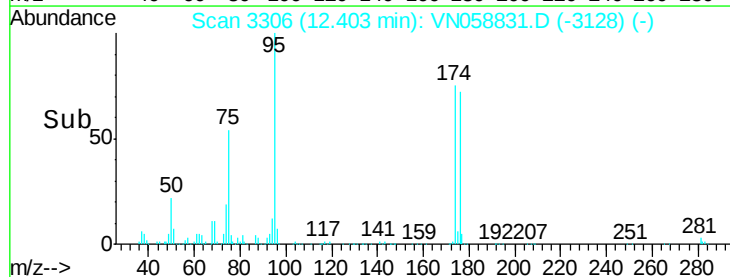
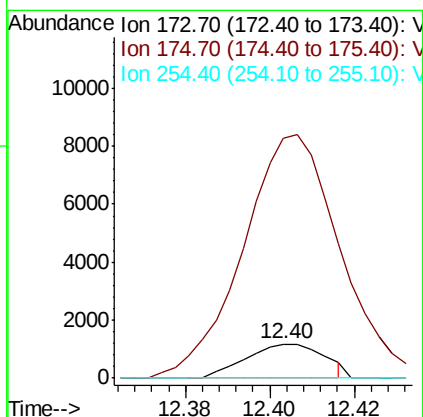
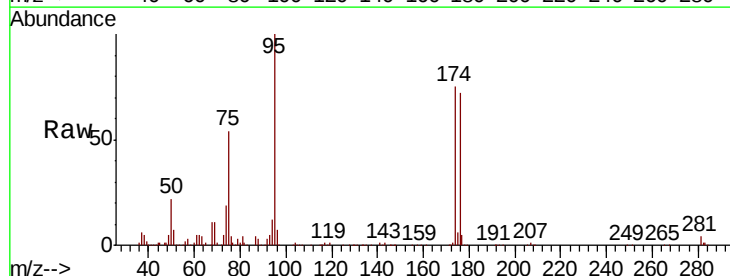
Instrument :
MSVOA_N
ClientSampleId :
T-9-U3-(0)

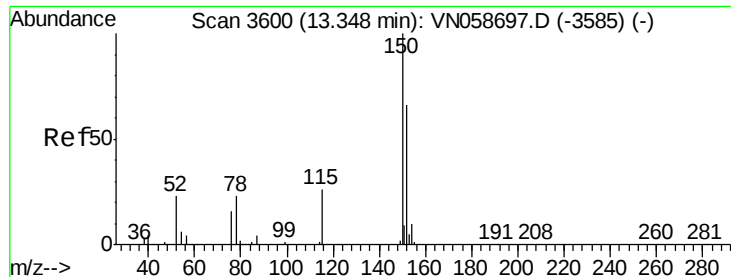
Tot Ion:117 Resp: 534047
Ion Ratio Lower Upper
117 100
82 59.7 47.0 70.4
119 31.8 25.4 38.2



#71
Bromoform
Concen: 0.511 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058831.D
Acq: 17 Oct 2019 16:36

Tgt Ion:173 Resp: 1503
Ion Ratio Lower Upper
173 100
175 783.2 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

T-9-U3-(0)

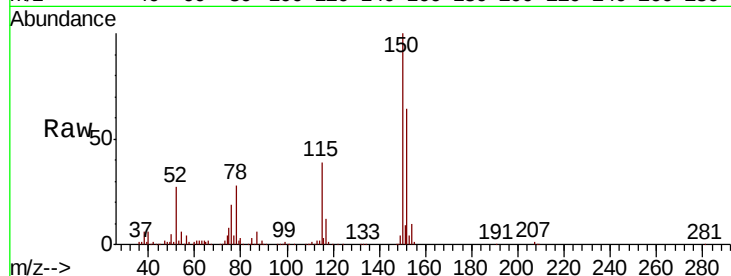
Tot Ion:152 Resp: 201974

Ion Ratio Lower Upper

152 100

115 59.9 30.4 91.2

150 155.3 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

250000

200000

150000

100000

50000

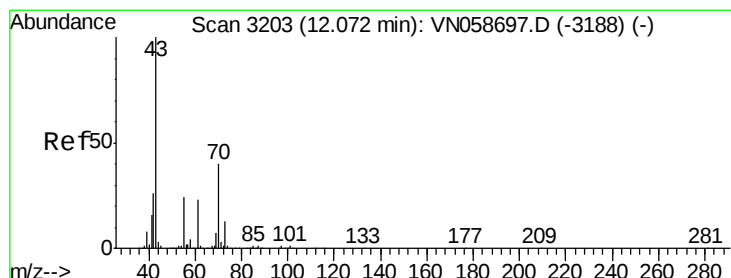
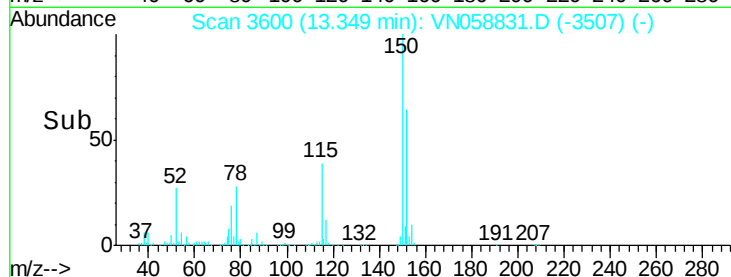
0

13.35

13.30

13.40

Time-->



#74

N-ethyl acetate

Concen: 0.490 ug/l

RT: 12.03 min Scan# 3190

Delta R.T. -0.04 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

Tgt Ion: 43 Resp: 3219

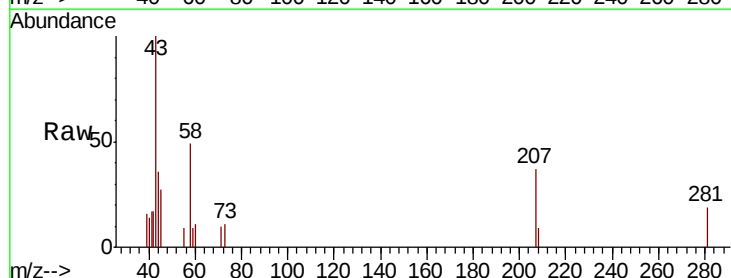
Ion Ratio Lower Upper

43 100

70 1.0 32.2 48.4#

55 4.3 19.6 29.4#

61 0.0 18.6 28.0#



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

3000

2000

1000

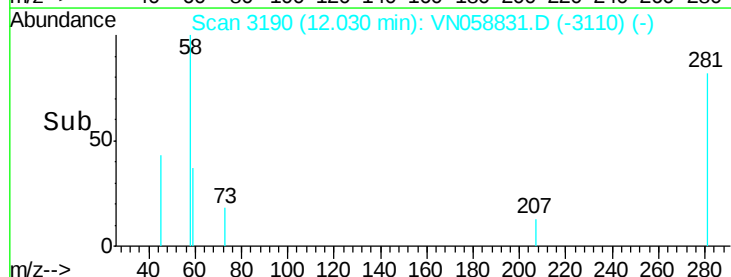
0

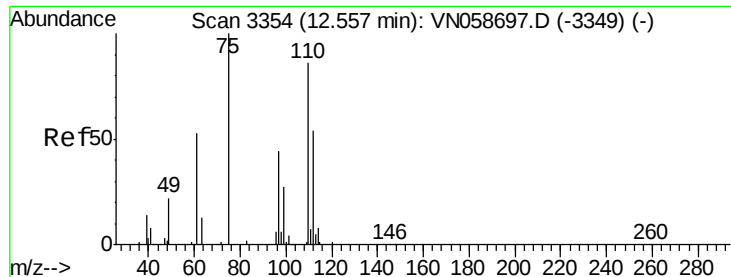
12.03

12.00

12.05

Time-->





#76

1,2,3-Trichloropropane

Concen: 28.784 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

Instrument :

MSVOA_N

ClientSampleId :

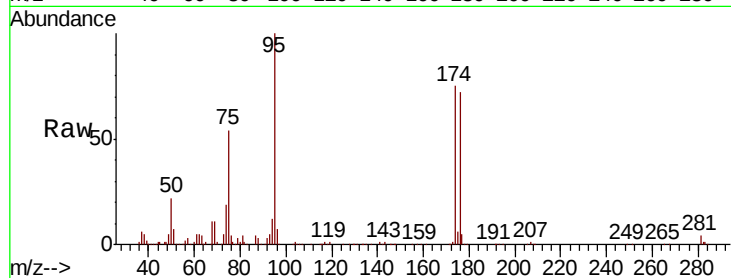
T-9-U3-(0)

Tot Ion: 75 Resp: 127536

Ion Ratio Lower Upper

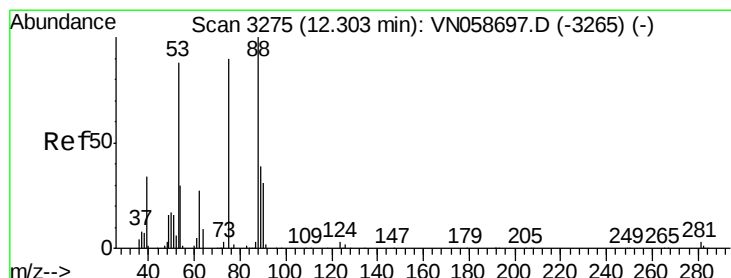
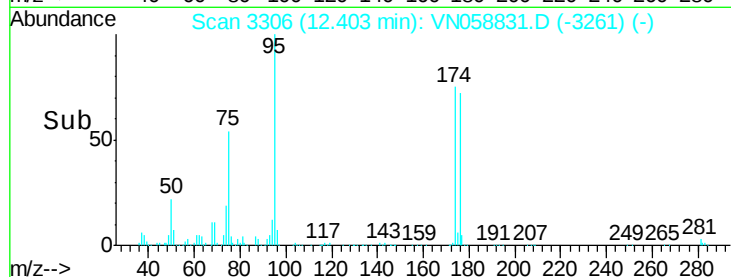
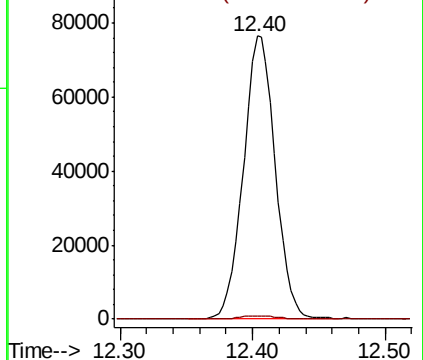
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 77.103 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058831.D

Acq: 17 Oct 2019 16:36

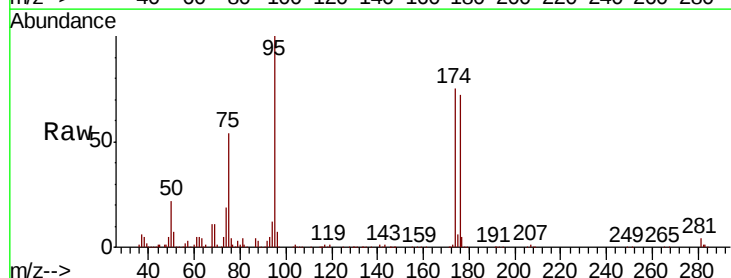
Tgt Ion: 75 Resp: 127536

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.2 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

