

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058832.D
 Acq On : 17 Oct 2019 16:59
 Operator : JC/SP
 Sample : K5393-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:29:21 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	376051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	599508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	204558	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	280586	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
35) Dibromofluoromethane	7.57	113	197693	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	
50) Toluene-d8	10.08	98	773745	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
62) 4-Bromofluorobenzene	12.40	95	243653	43.47	ug/l	0.00
Spiked Amount			Recovery	=	86.94%	

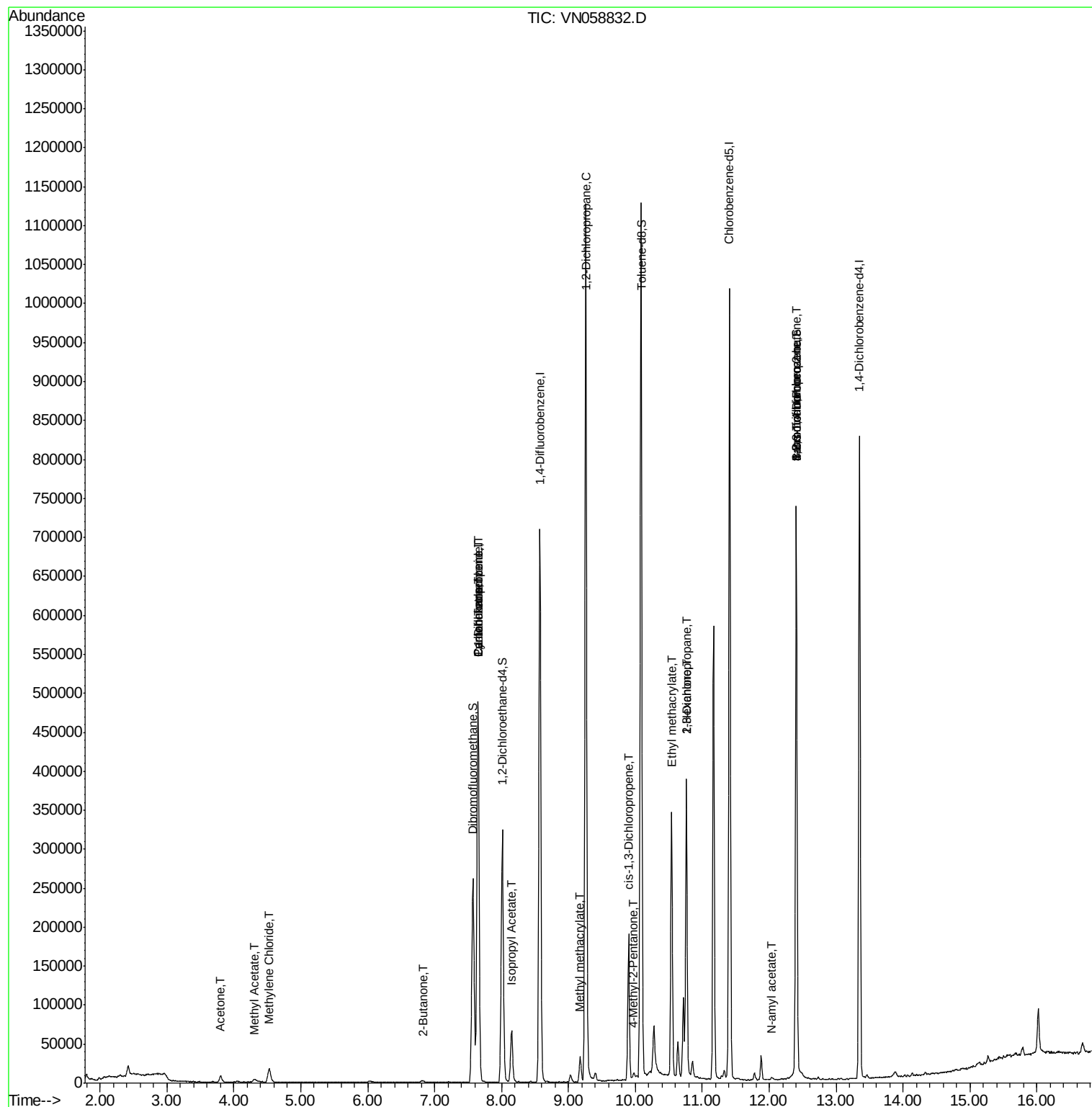
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	13727	6.298	ug/l #	89
18) Methyl Acetate	4.31	43	6857	1.240	ug/l	91
20) Methylene Chloride	4.53	84	12893	2.830	ug/l	91
25) 2-Butanone	6.82	43	1626	0.516	ug/l #	50
31) Cyclohexane	7.64	56	8855	1.147	ug/l #	4
36) 1,1-Dichloropropene	7.65	75	32312	5.331	ug/l #	50
38) Carbon Tetrachloride	7.65	117	38724	6.555	ug/l #	17
43) Isopropyl Acetate	8.15	43	79203	7.584	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	1316	0.282	ug/l #	45
48) Methyl methacrylate	9.17	41	5249	1.109	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	5855	0.998	ug/l	91
54) cis-1,3-Dichloropropene	9.90	75	30266	4.131	ug/l #	71
56) Ethyl methacrylate	10.54	69	1445	0.227	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3941	0.531	ug/l #	42
59) 2-Hexanone	10.76	43	58107	12.820	ug/l #	53
71) Bromoform	12.41	173	1954	0.640	ug/l #	1
74) N-amyl acetate	12.03	43	1646	0.247	ug/l #	46
76) 1,2,3-Trichloropropane	12.40	75	133840	29.825	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	133840	79.892	ug/l #	11

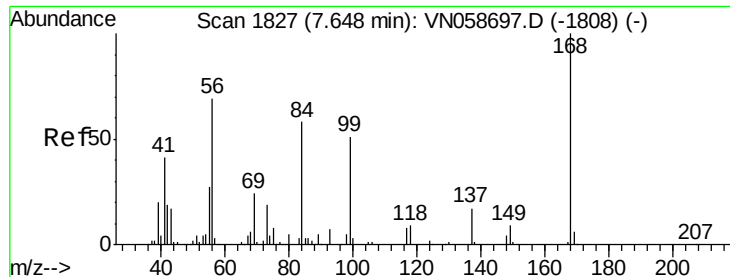
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058832.D

Acq: 17 Oct 2019 16:59

Instrument :

MSVOA_N

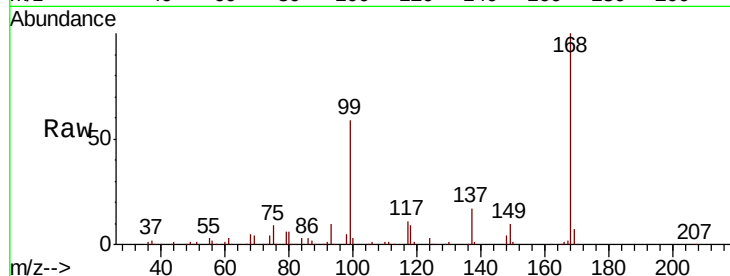
ClientSampleId :

Tot Ion:168 Resp: 376051

Ion Ratio Lower Upper

168 100

99 59.1 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

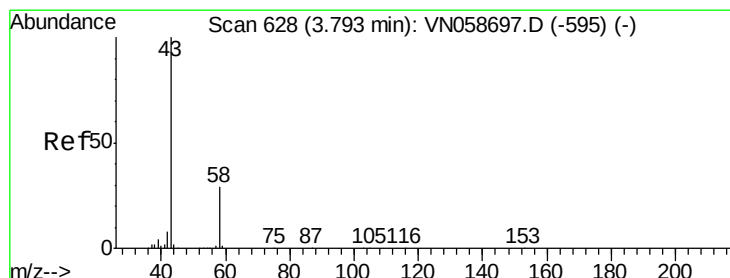
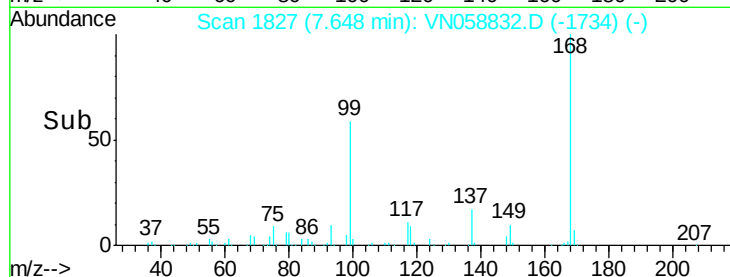
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 6.298 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058832.D

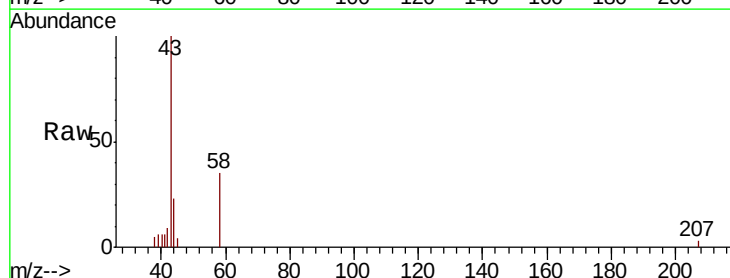
Acq: 17 Oct 2019 16:59

Tgt Ion: 43 Resp: 13727

Ion Ratio Lower Upper

43 100

58 35.1 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

5000

4000

3000

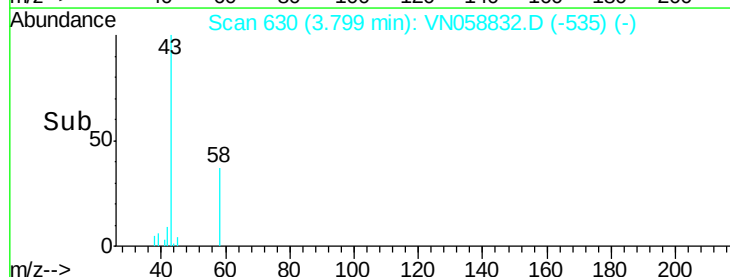
2000

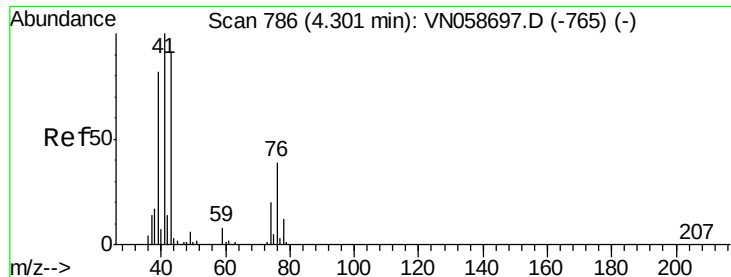
1000

0

3.70 3.80 3.90

Time-->

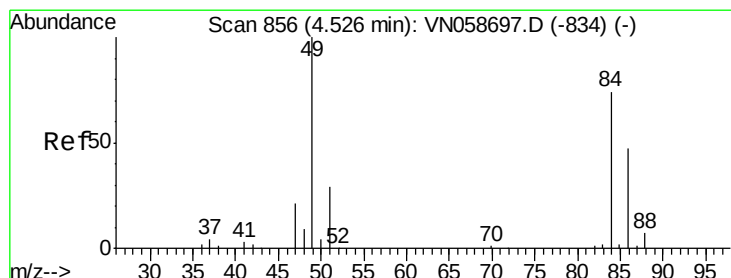
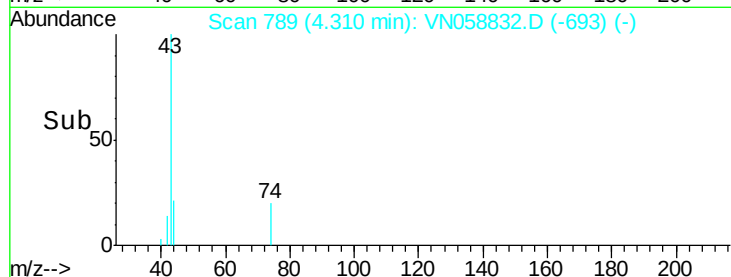
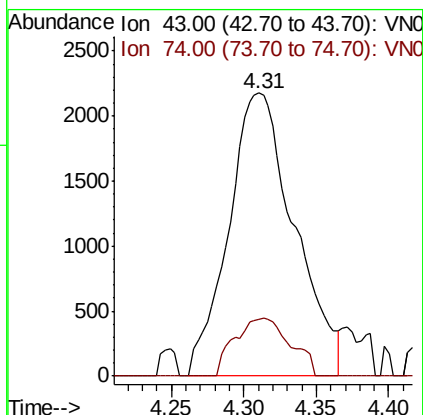
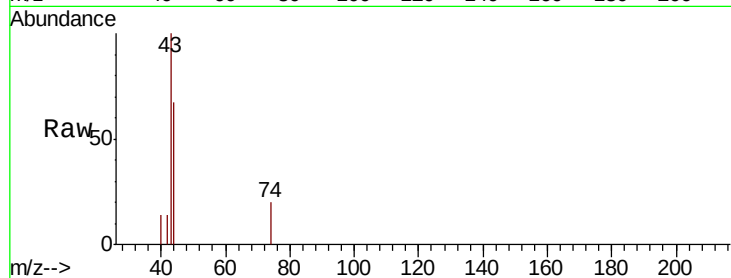




#18
Methyl Acetate
Concen: 1.240 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058832.D
Acq: 17 Oct 2019 16:59

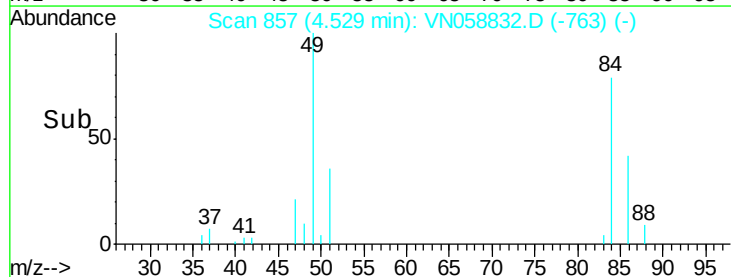
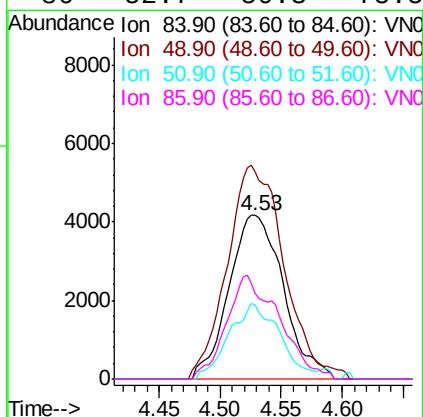
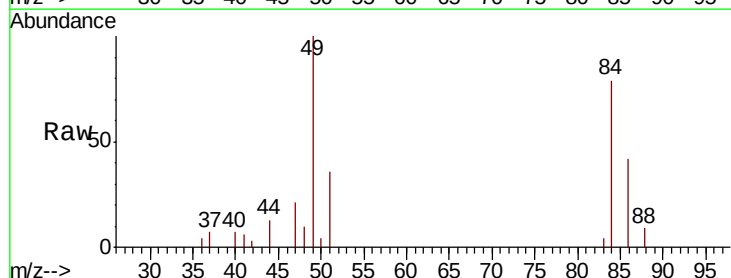
Instrument :
MSVOA_N
ClientSampleId :

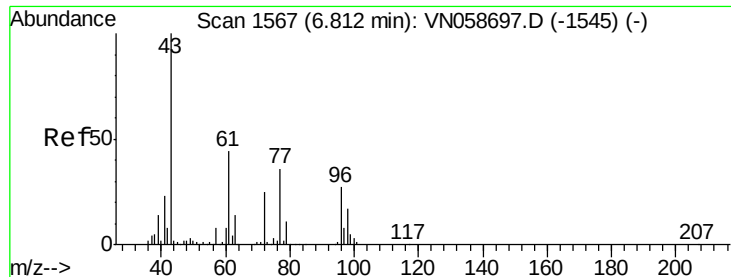
Tot Ion: 43 Resp: 6857
Ion Ratio Lower Upper
43 100
74 17.3 17.2 25.8



#20
Methylene Chloride
Concen: 2.830 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058832.D
Acq: 17 Oct 2019 16:59

Tgt Ion: 84 Resp: 12893
Ion Ratio Lower Upper
84 100
49 126.9 107.6 161.4
51 45.6 31.4 47.0
86 52.7 50.3 75.5

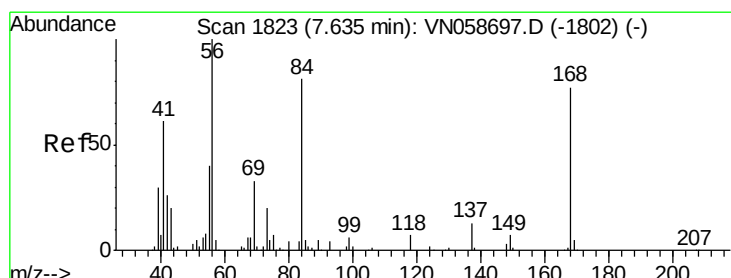
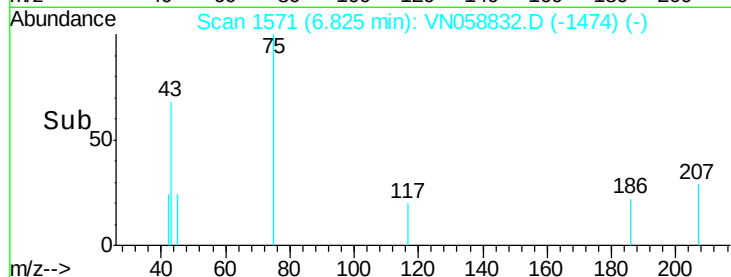
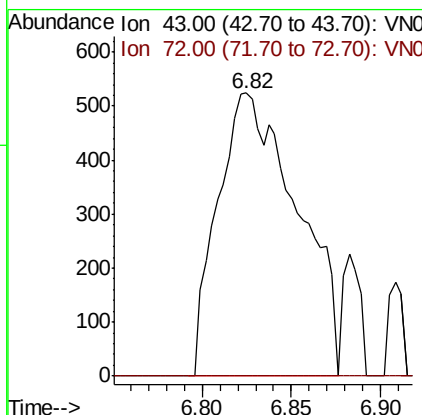
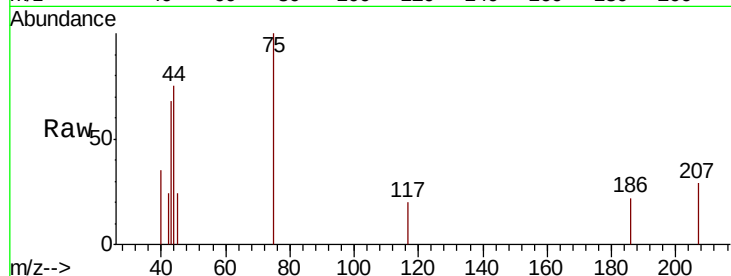




#25
2-Butanone
Concen: 0.516 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058832.D
Acq: 17 Oct 2019 16:59

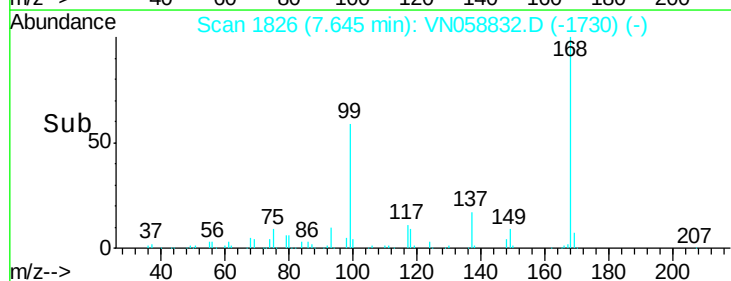
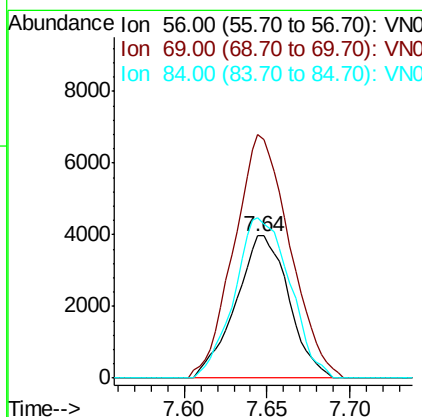
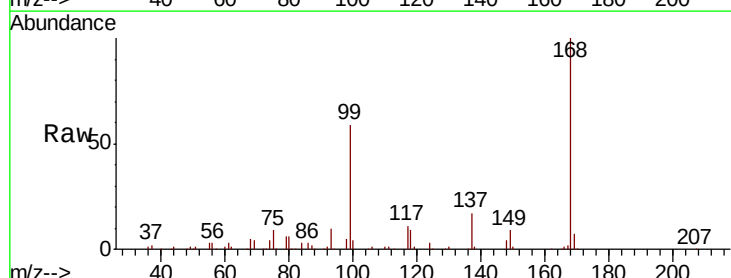
Instrument :
MSVOA_N
ClientSampleId :

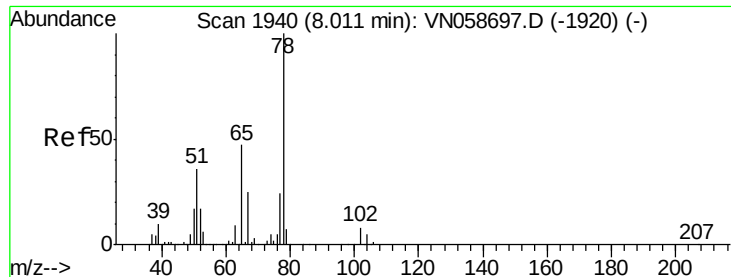
Tot Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#



#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN058832.D
Acq: 17 Oct 2019 16:59

Tgt Ion: 56 Resp: 8855
Ion Ratio Lower Upper
56 100
69 171.2 26.2 39.4#
84 113.2 64.9 97.3#

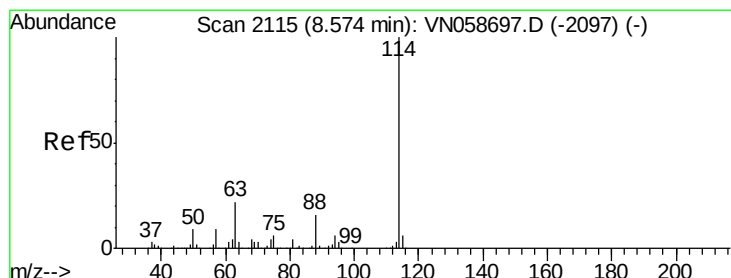
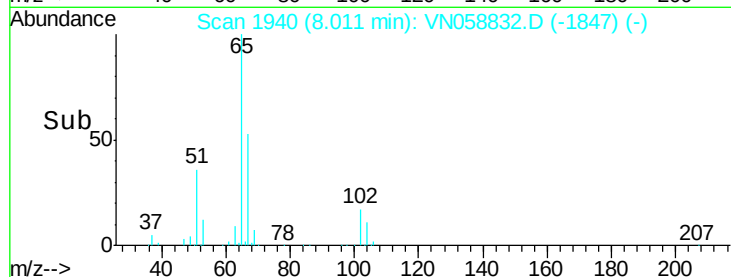
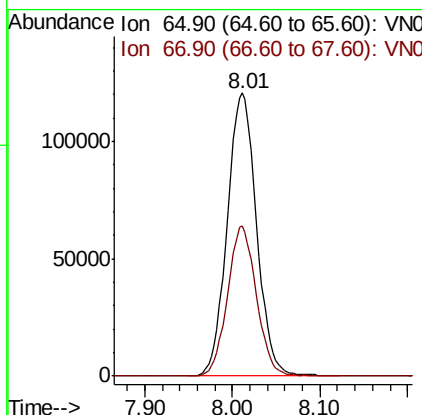
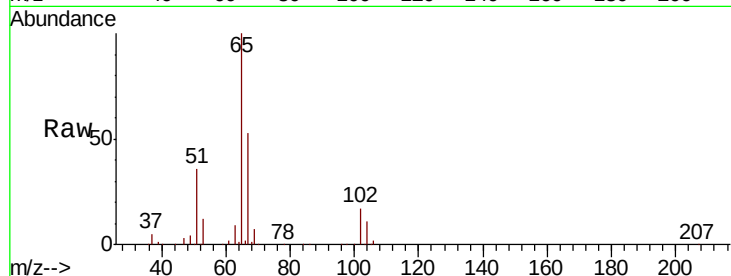




#33
 1,2-Dichloroethane-d4
 Concen: 53.296 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

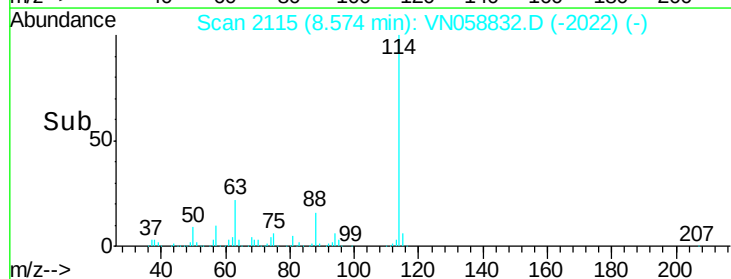
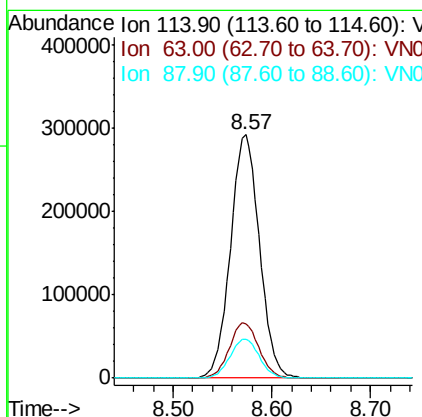
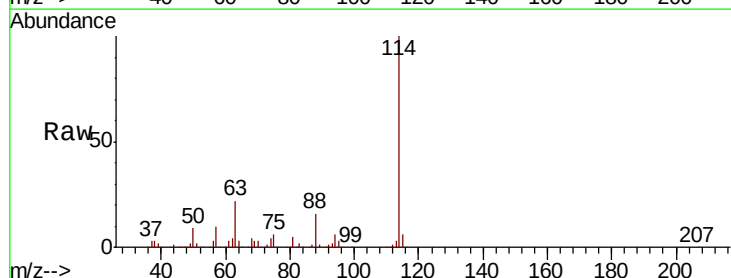
Instrument :
 MSVOA_N
 ClientSampled :

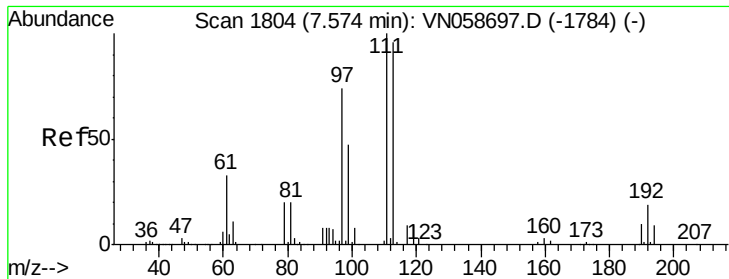
Tot Ion: 65 Resp: 280586
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

Tgt Ion: 114 Resp: 599508
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 16.1 0.0 32.0

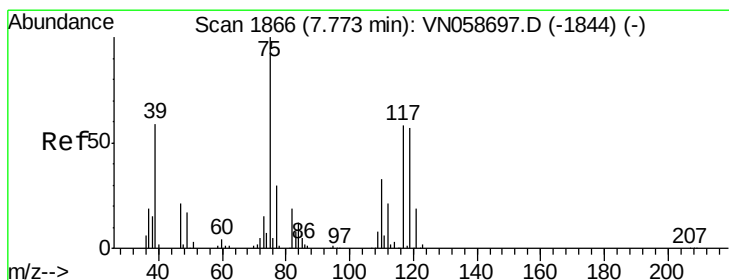
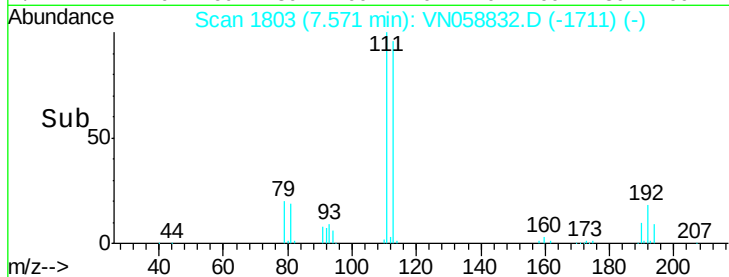
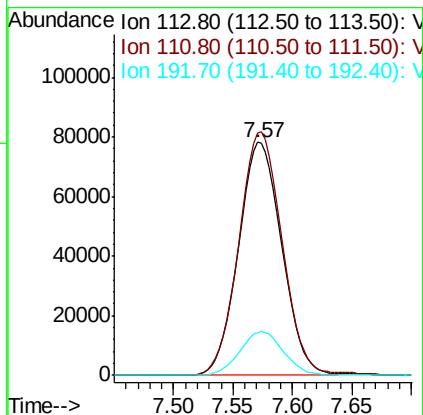
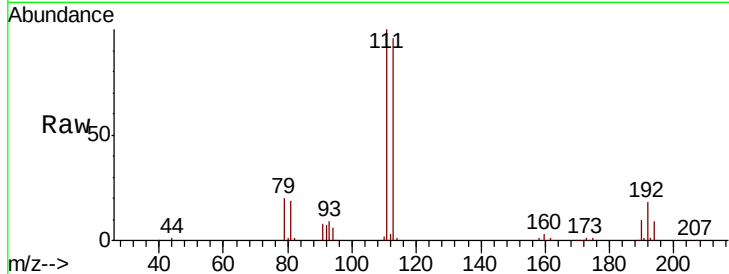




#35
 Dibromofluoromethane
 Concen: 53.387 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

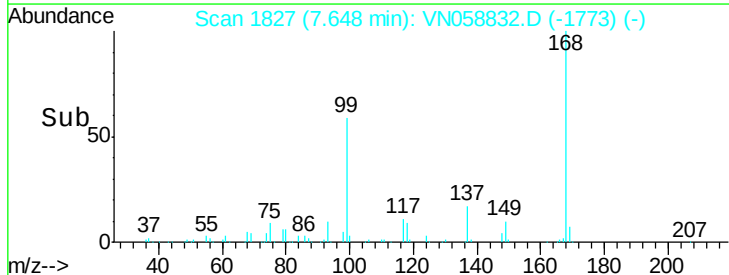
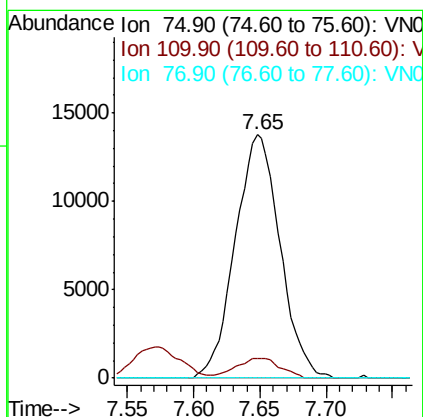
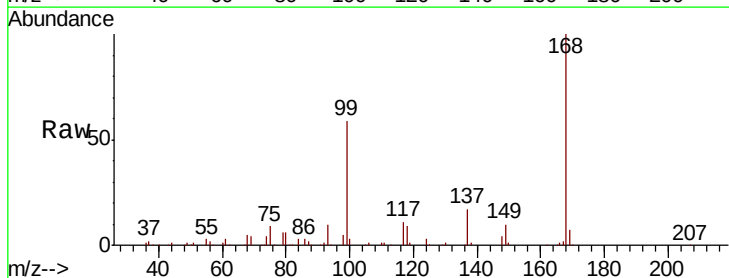
Instrument :
 MSVOA_N
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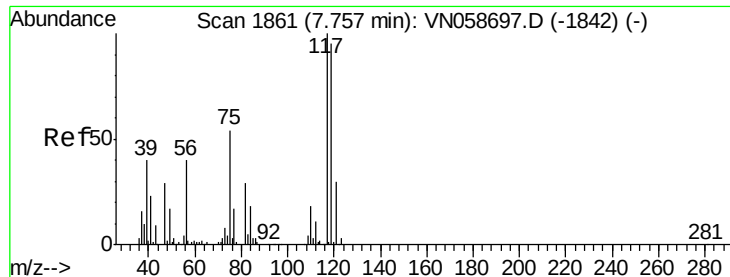
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.3	123.5
192	18.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.331 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.6	49.8#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.555 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058832.D

Acq: 17 Oct 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

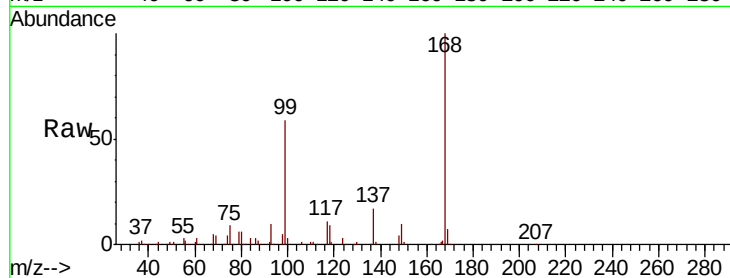
Tot Ion:117 Resp: 38724

Ion Ratio Lower Upper

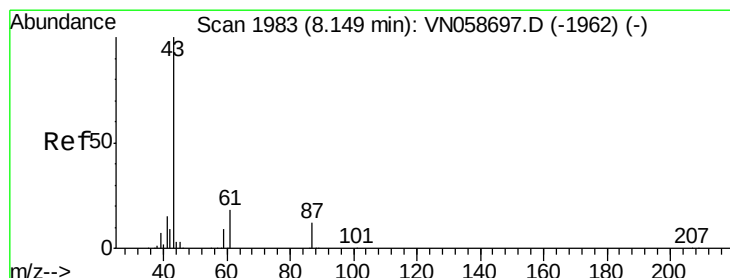
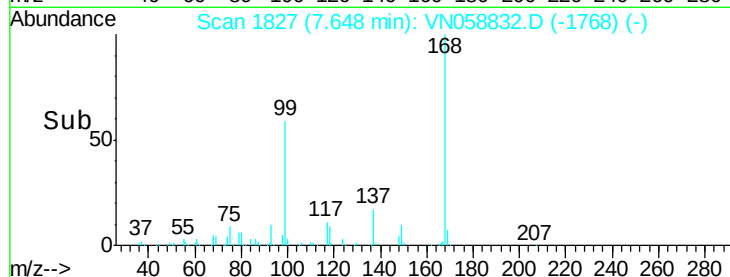
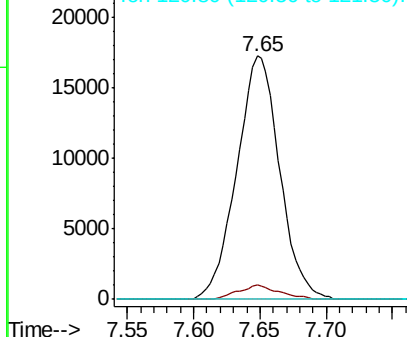
117 100

119 5.8 75.7 113.5#

121 0.0 23.9 35.9#



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: 7.584 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058832.D

Acq: 17 Oct 2019 16:59

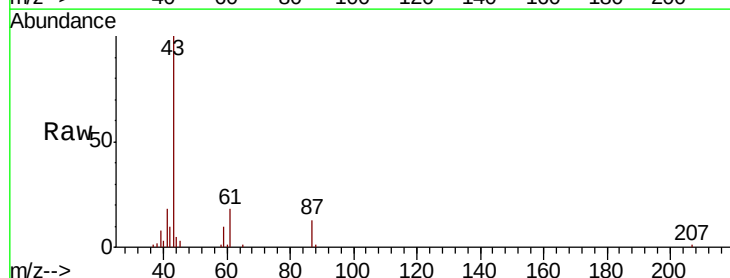
Tgt Ion: 43 Resp: 79203

Ion Ratio Lower Upper

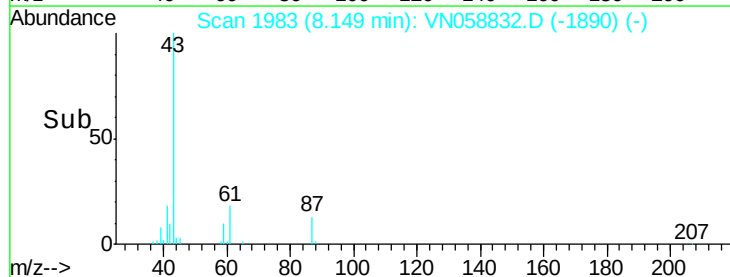
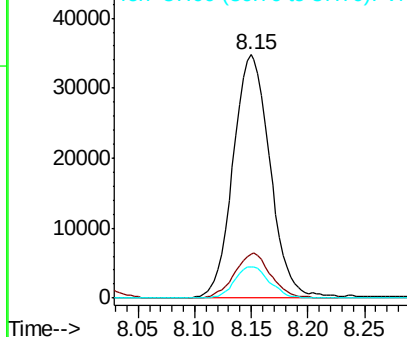
43 100

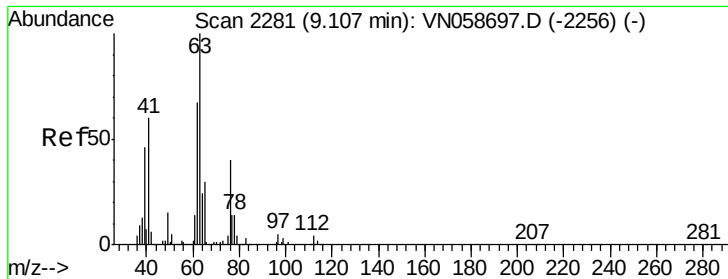
61 18.0 20.3 30.5#

87 12.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO

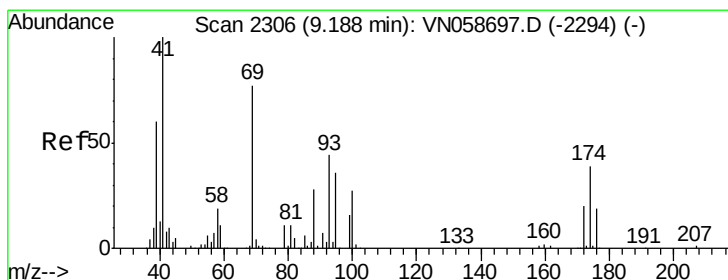
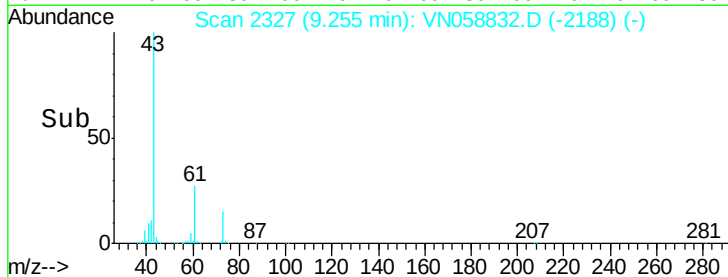
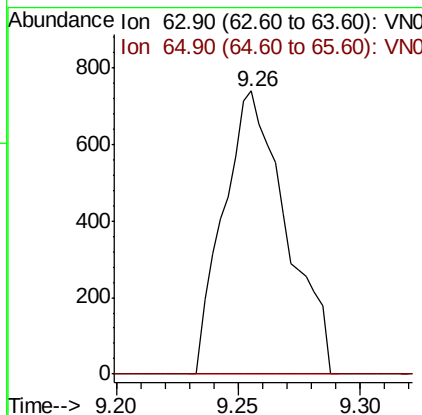
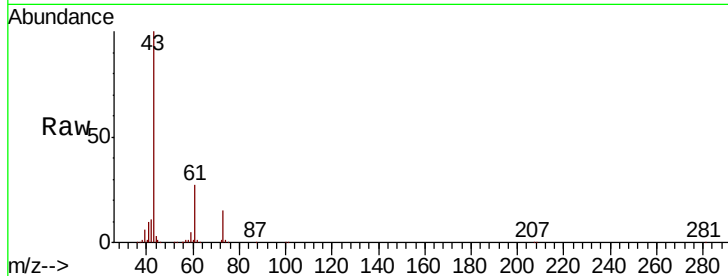




#45
 1,2-Dichloropropane
 Concen: 0.282 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.15 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

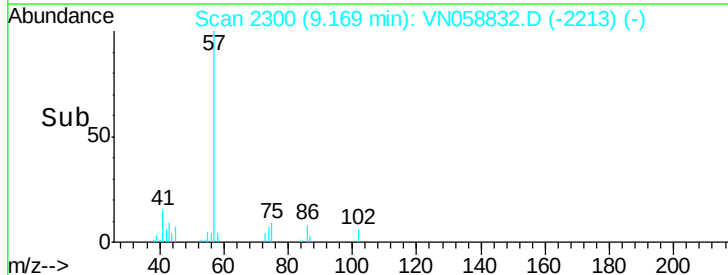
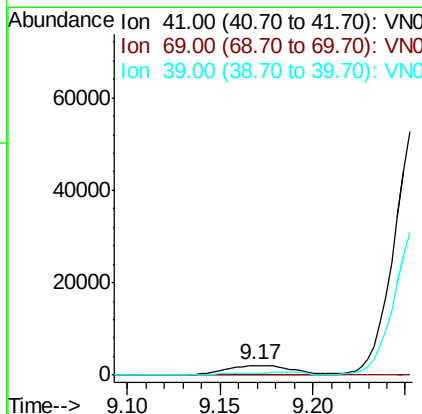
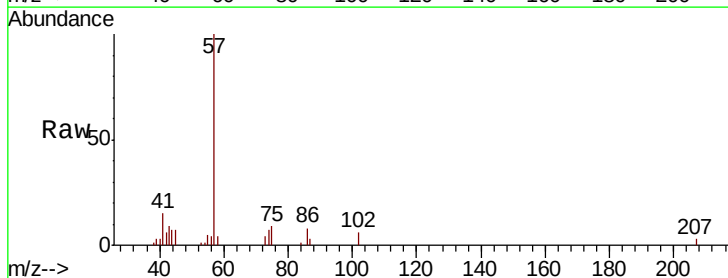
Instrument :
 MSVOA_N
 ClientSampleId :

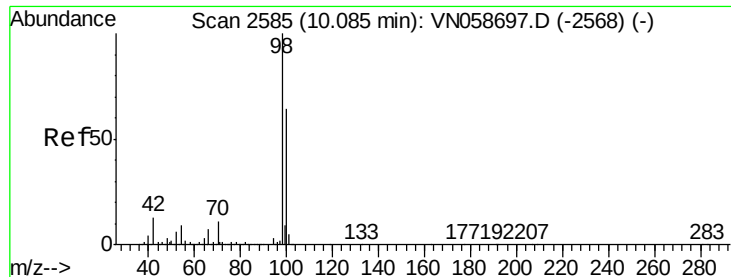
Tot Ion: 63 Resp: 1316
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.1 36.1#



#48
 Methyl methacrylate
 Concen: 1.109 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

Tgt Ion: 41 Resp: 5249
 Ion Ratio Lower Upper
 41 100
 69 0.0 63.4 95.2#
 39 0.0 48.9 73.3#





#50

Toluene-d8

Concen: 52.252 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058832.D

Acq: 17 Oct 2019 16:59

Instrument :

MSVOA_N

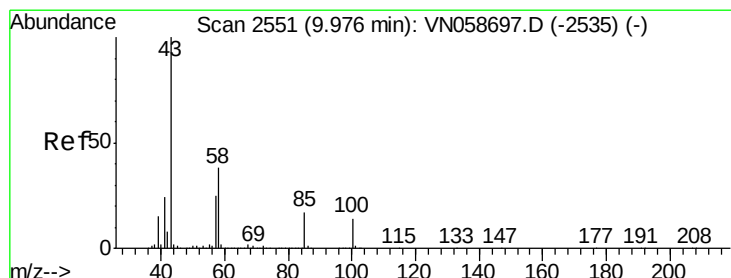
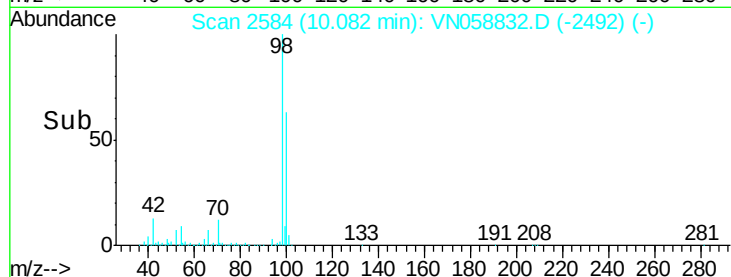
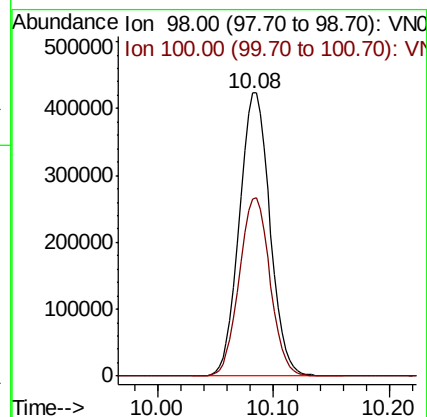
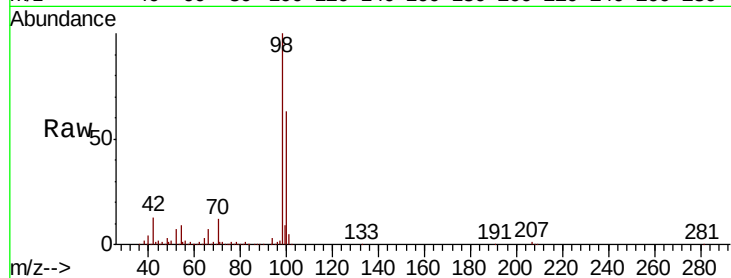
ClientSampleId :

Tot Ion: 98 Resp: 773745

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.998 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058832.D

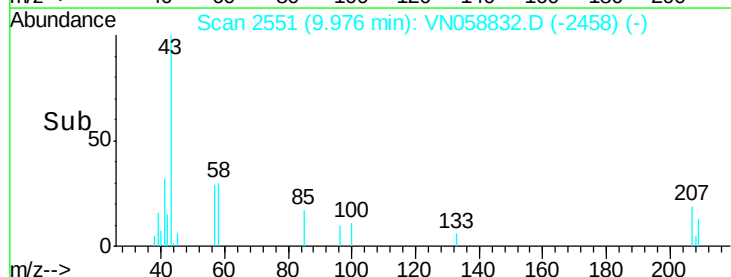
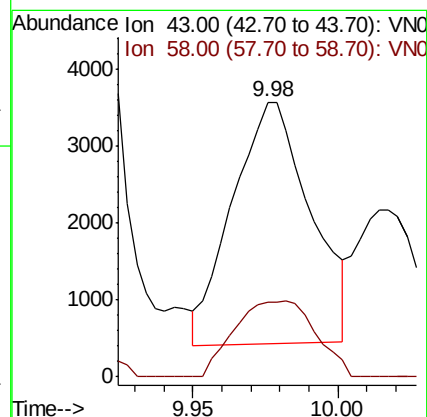
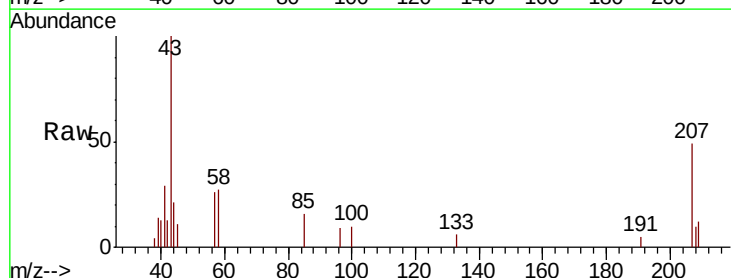
Acq: 17 Oct 2019 16:59

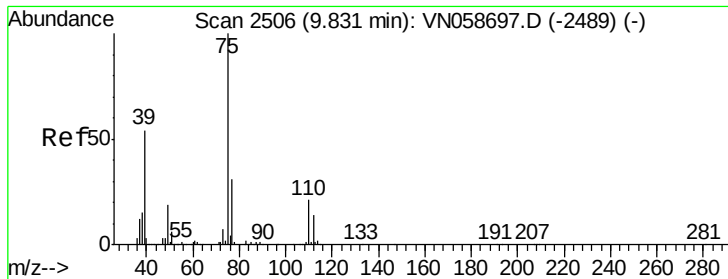
Tgt Ion: 43 Resp: 5855

Ion Ratio Lower Upper

43 100

58 32.6 30.3 45.5



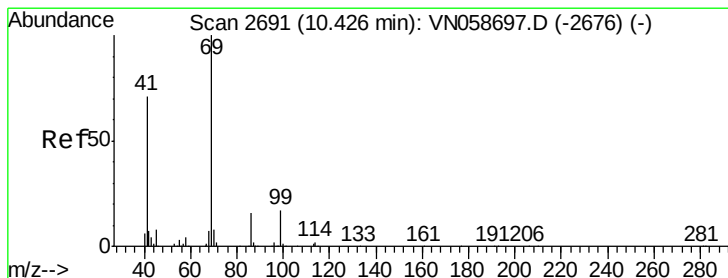
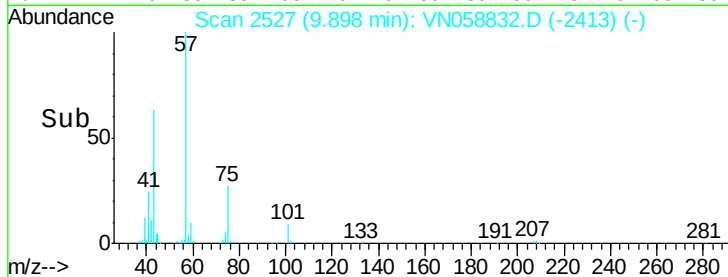
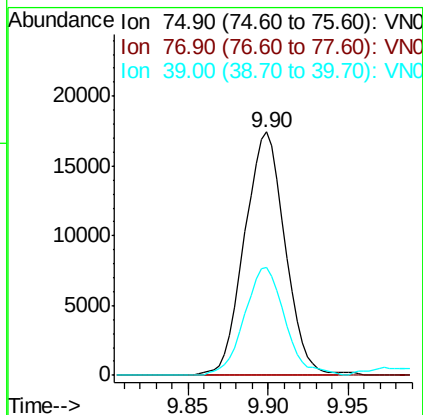
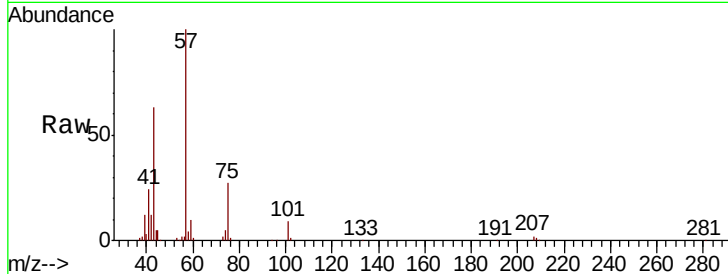


#54

cis-1,3-Dichloropropene
 Concen: 4.131 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

Instrument :
 MSVOA_N
 ClientSampleId :

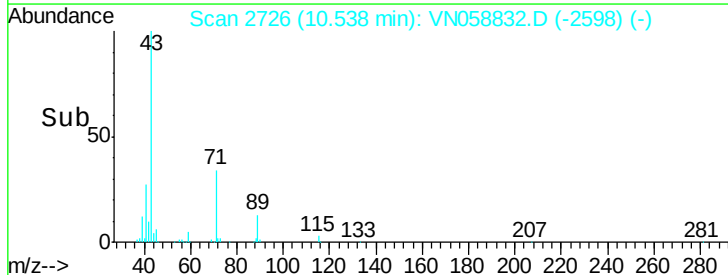
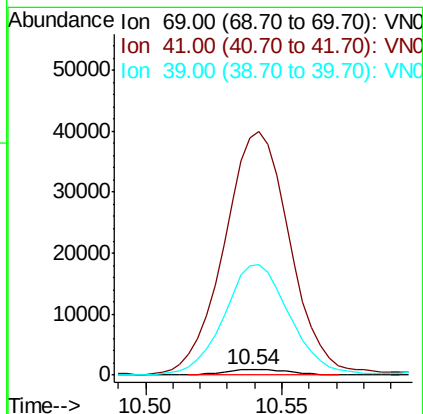
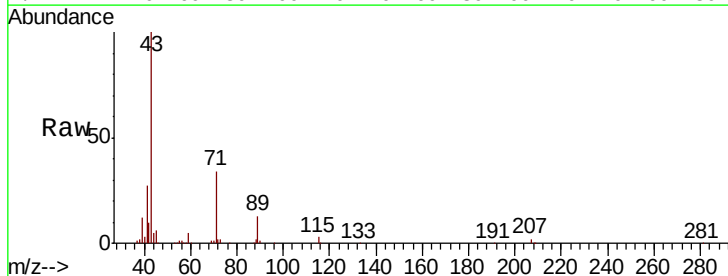
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.4	36.6#
39	44.1	43.1	64.7

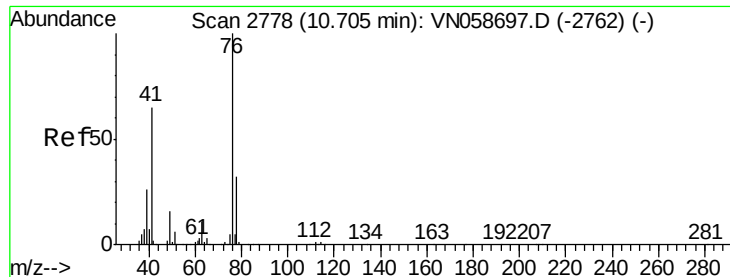


#56

Ethyl methacrylate
 Concen: 0.227 ug/l
 RT: 10.54 min Scan# 2726
 Delta R.T. 0.11 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4677.9	56.8	85.2#
39	2113.8	32.5	48.7#





#57

1,3-Dichloropropane

Concen: 0.531 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN058832.D

Acq: 17 Oct 2019 16:59

Instrument :

MSVOA_N

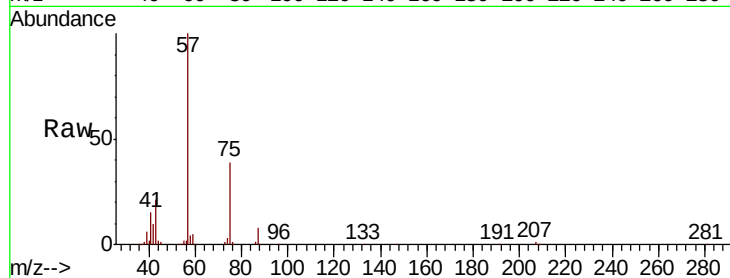
ClientSampled :

Tot Ion: 76 Resp: 3941

Ion Ratio Lower Upper

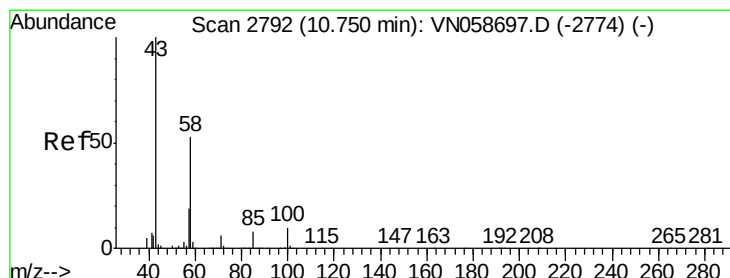
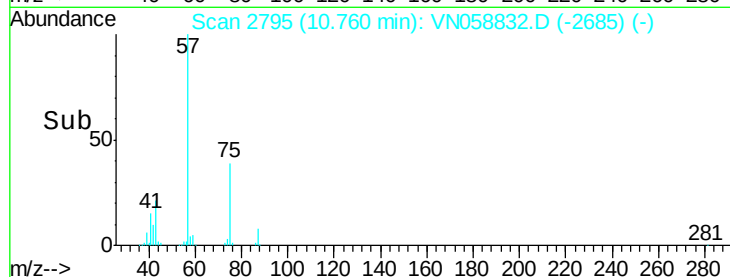
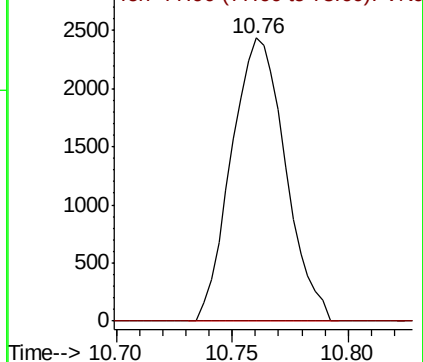
76 100

78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 12.820 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058832.D

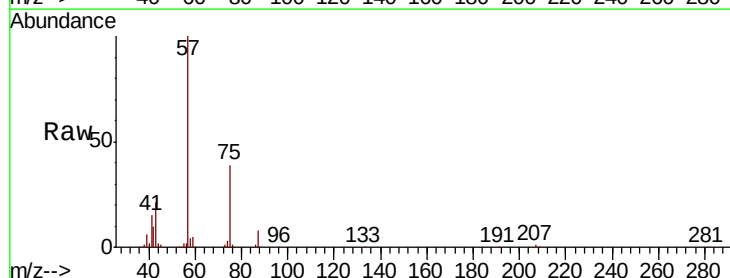
Acq: 17 Oct 2019 16:59

Tgt Ion: 43 Resp: 58107

Ion Ratio Lower Upper

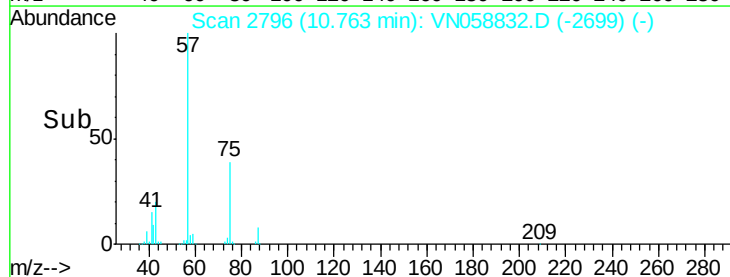
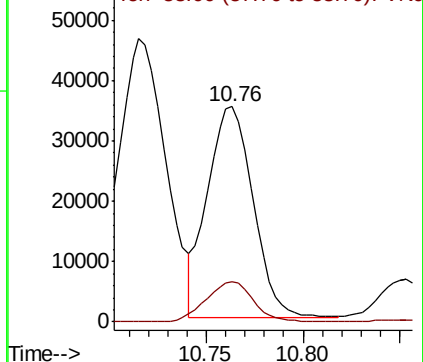
43 100

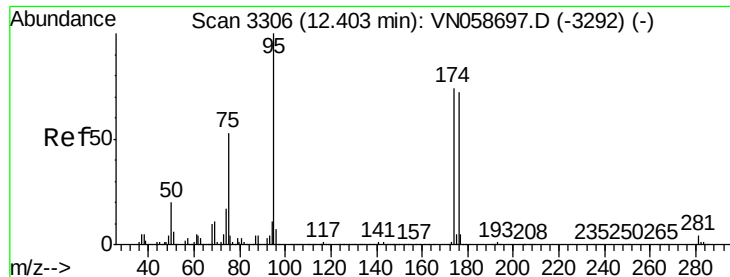
58 19.5 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

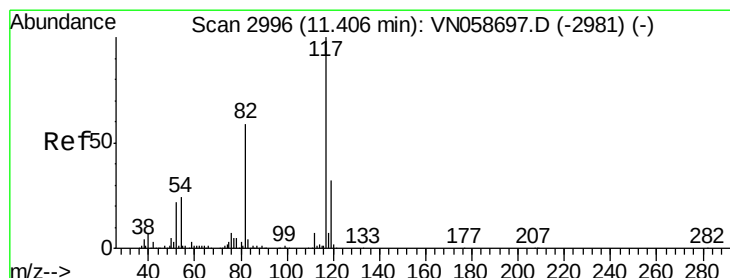
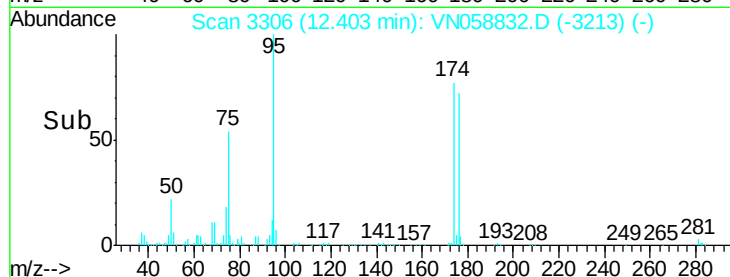
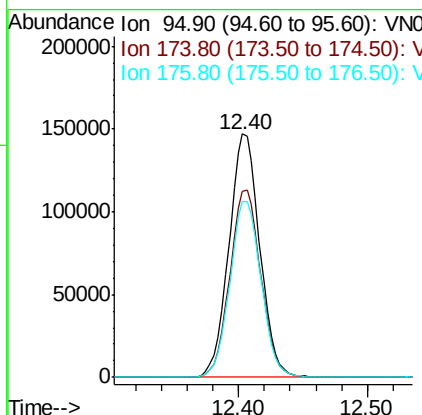
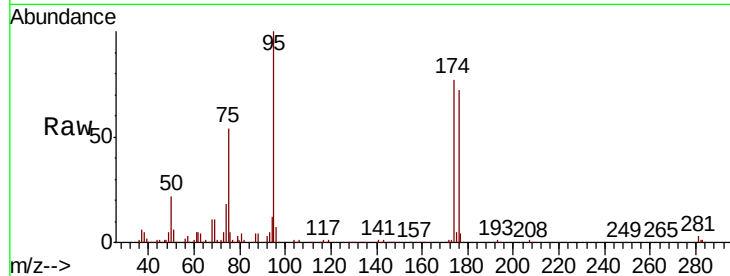




#62
4-Bromofluorobenzene
Concen: 43.469 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058832.D
Acq: 17 Oct 2019 16:59

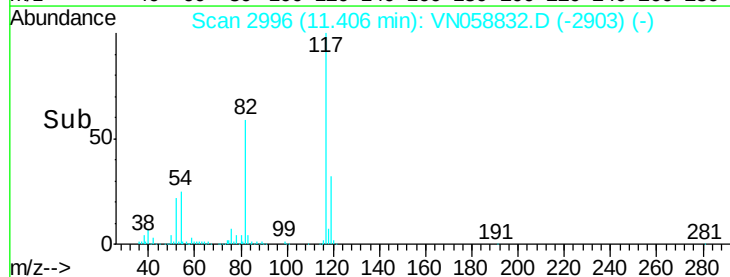
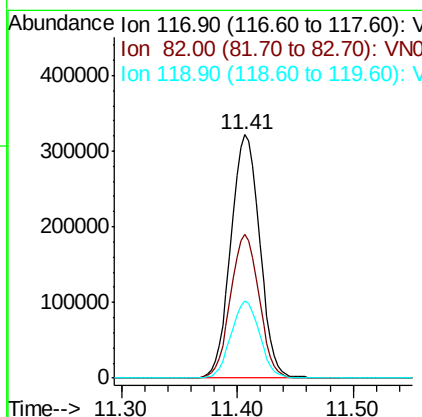
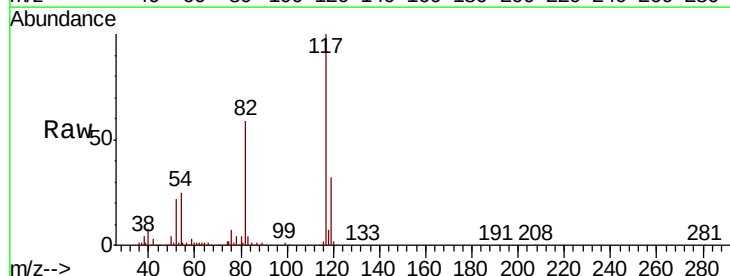
Instrument :
MSVOA_N
ClientSampleId :

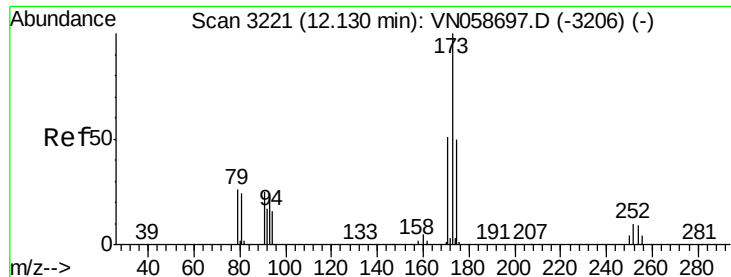
Tot Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	150.4
176	73.4	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058832.D
Acq: 17 Oct 2019 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.8	47.0	70.4
119	31.5	25.4	38.2





#71

Bromoform

Concen: 0.640 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058832.D

Acq: 17 Oct 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

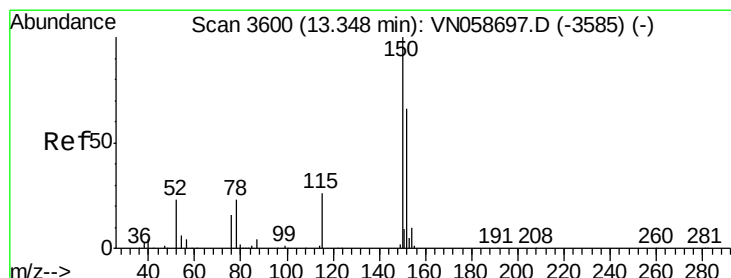
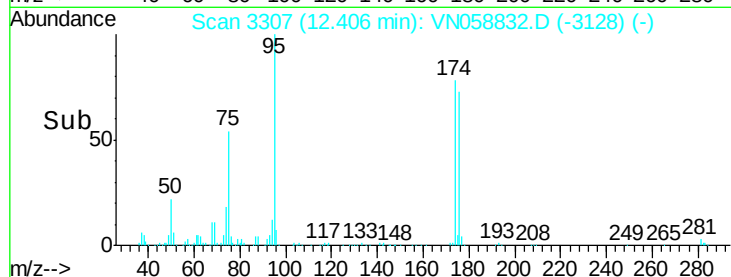
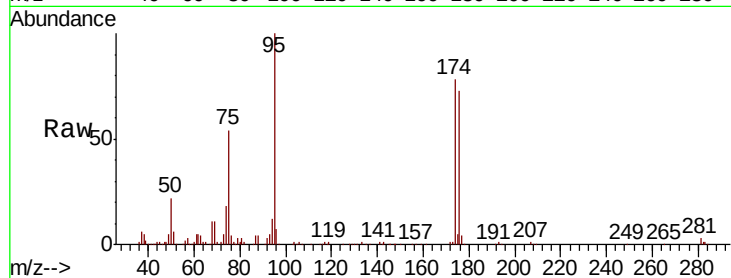
Tot Ion:173 Resp: 1954

Ion Ratio Lower Upper

173 100

175 596.0 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: VN058832.D

Acq: 17 Oct 2019 16:59

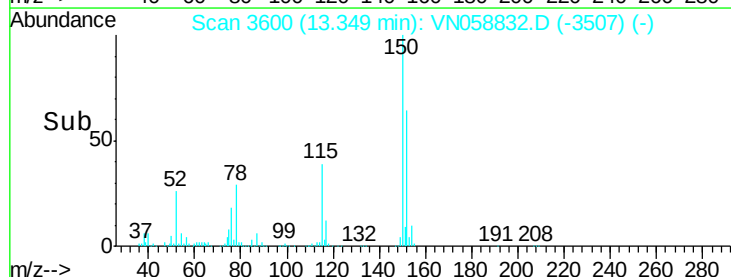
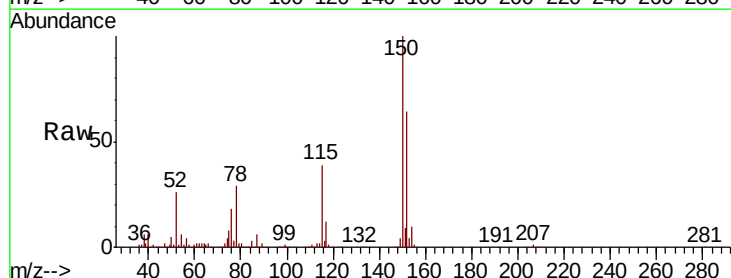
Tgt Ion:152 Resp: 204558

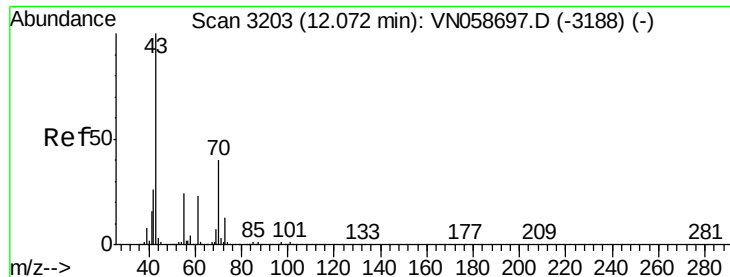
Ion Ratio Lower Upper

152 100

115 62.3 30.4 91.2

150 157.3 0.0 345.4





#74

N-amvl acetate

Concen: 0.247 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058832.D

Acq: 17 Oct 2019 16:59

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1646

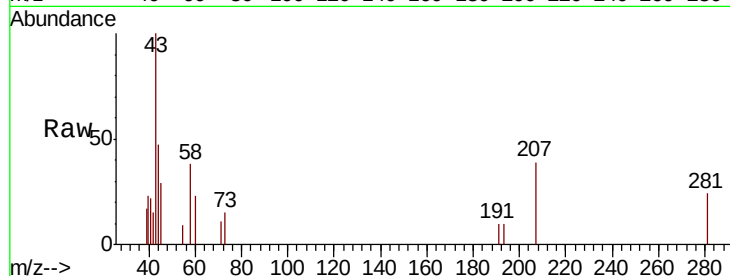
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 3.6 19.6 29.4#

61 0.0 18.6 28.0#

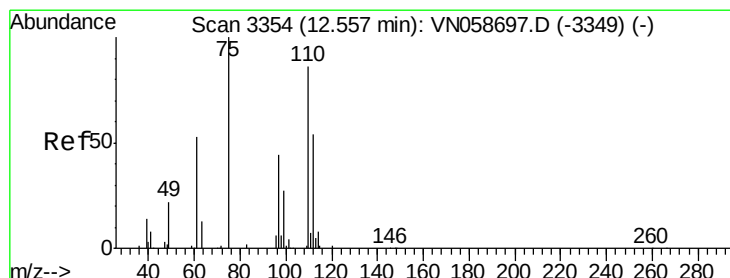
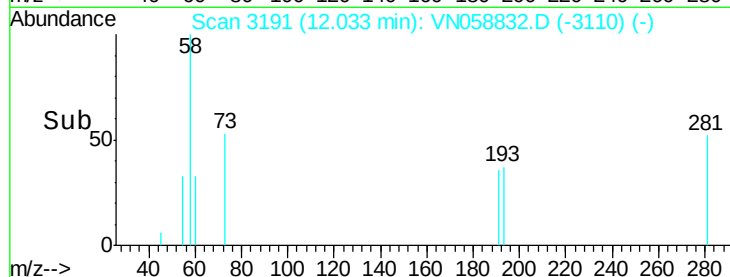
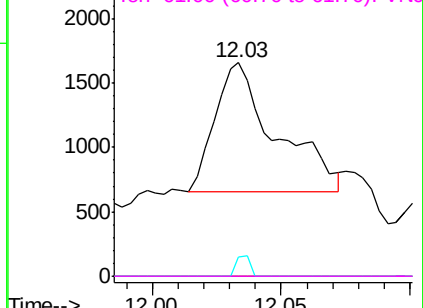


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 29.825 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058832.D

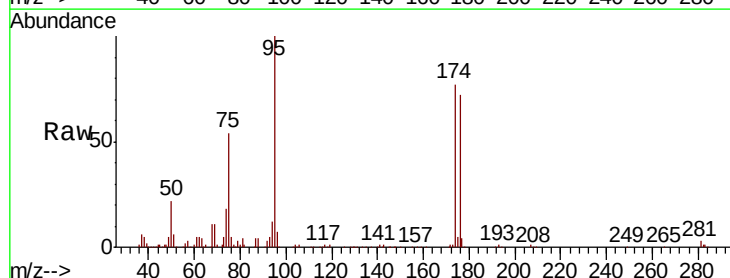
Acq: 17 Oct 2019 16:59

Tgt Ion: 75 Resp: 133840

Ion Ratio Lower Upper

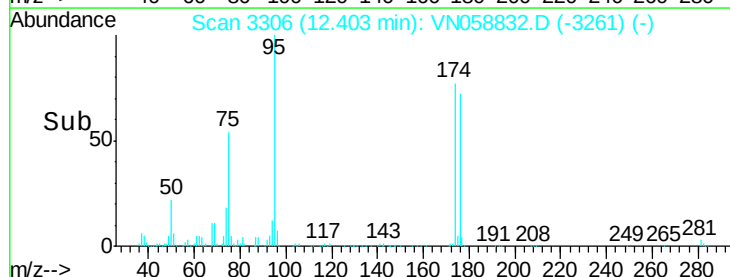
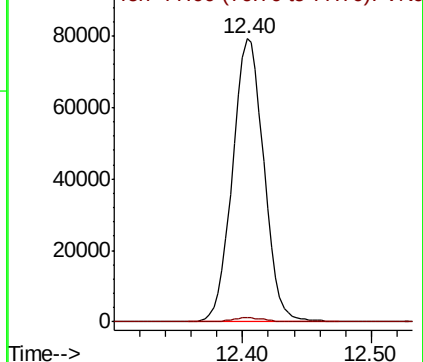
75 100

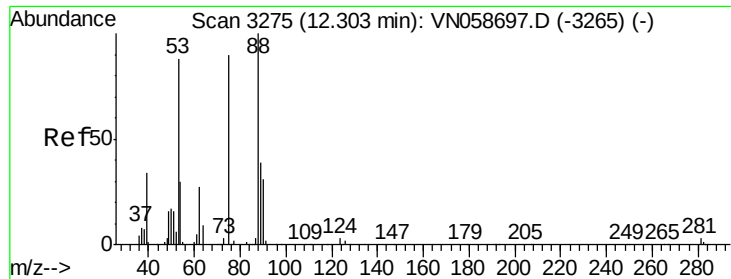
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

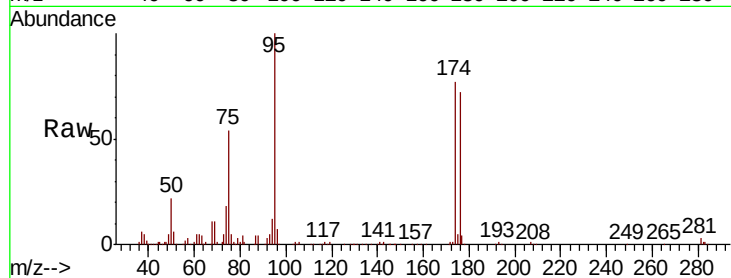




#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.892 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058832.D
 Acq: 17 Oct 2019 16:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 133840
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.4 117.6#
 89 0.1 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

