

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056844.D
 Acq On : 19 Jul 2019 19:57
 Operator : JC/SP
 Sample : K3887-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 23:18:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

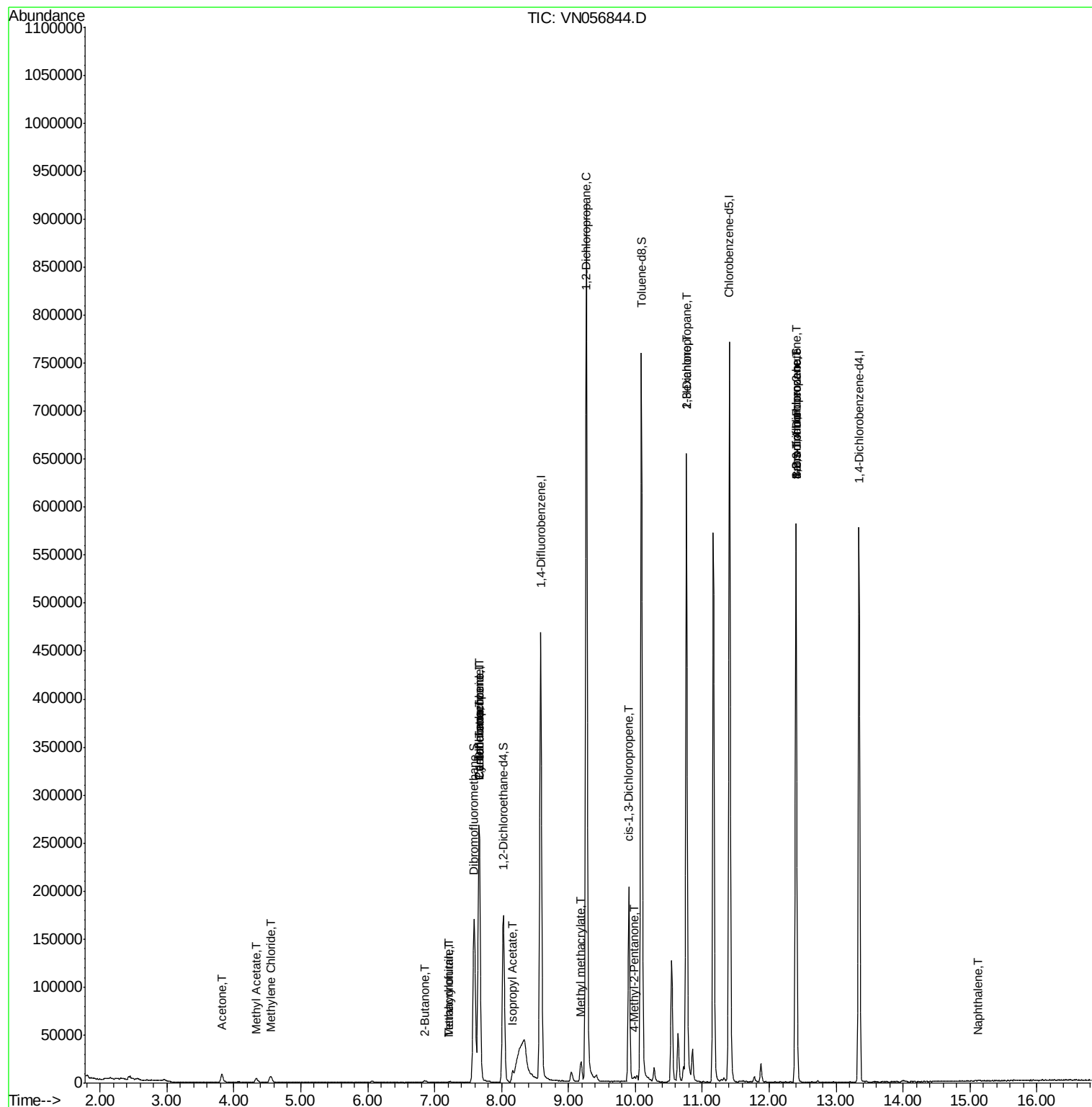
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	245383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	446937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	486491	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	167089	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	144224	53.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.28%	
35) Dibromofluoromethane	7.59	113	133850	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
50) Toluene-d8	10.09	98	571050	53.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.40	95	205714	56.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.58%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	14655	11.716	ug/l	91
18) Methyl Acetate	4.33	43	9094	2.309	ug/l	96
20) Methylene Chloride	4.55	84	5232	1.914	ug/l	97
25) 2-Butanone	6.85	43	4708	2.575	ug/l	91
29) Tetrahydrofuran	7.22	42	832	0.698	ug/l #	55
31) Cyclohexane	7.66	56	3757	0.866	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	15319	3.704	ug/l #	47
38) Carbon Tetrachloride	7.66	117	21104	5.441	ug/l #	15
41) Methacrylonitrile	7.21	41	407	0.227	ug/l #	100
43) Isopropyl Acetate	8.17	43	13513	2.109	ug/l	96
45) 1,2-Dichloropropane	9.27	63	1264	0.375	ug/l #	45
48) Methyl methacrylate	9.18	41	7583	2.447	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	3487	0.840	ug/l	88
54) cis-1,3-Dichloropropene	9.90	75	40593	8.456	ug/l #	58
57) 1,3-Dichloropropane	10.76	76	7030	1.364	ug/l #	42
59) 2-Hexanone	10.76	43	93897	31.529	ug/l #	51
71) Bromoform	12.40	173	1623	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	95472	26.125	ug/l #	100
79) 2-Chlorotoluene	12.40	91	598	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	95472	80.681	ug/l #	13
95) Naphthalene	15.13	128	861	4.613	ug/l #	69

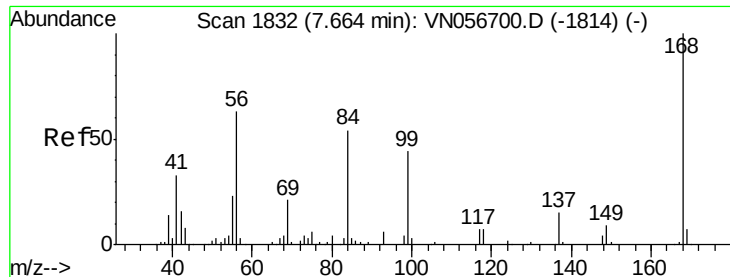
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 16 07:03:34 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056844.D

Acq: 19 Jul 2019 19:57

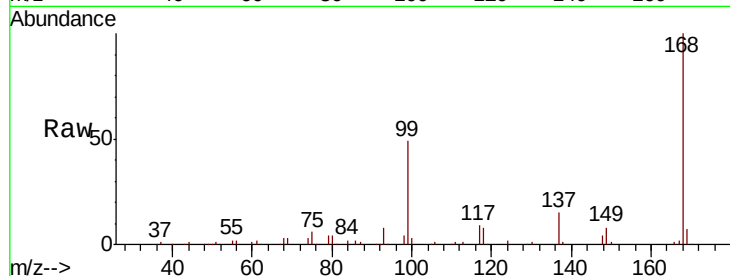
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 245383

Ion Ratio Lower Upper

168 100

99 49.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

100000

80000

60000

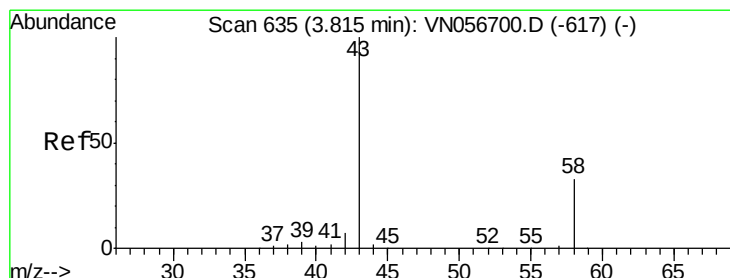
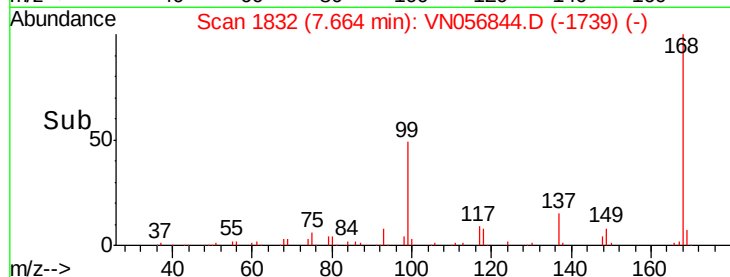
40000

20000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 11.716 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN056844.D

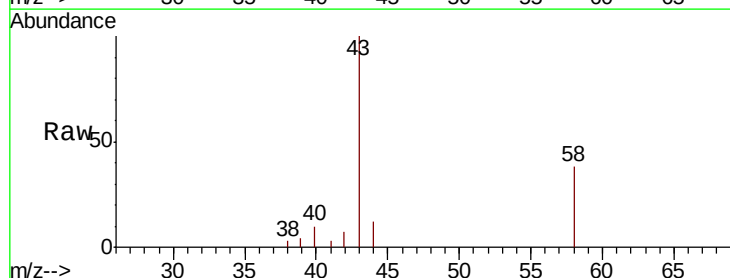
Acq: 19 Jul 2019 19:57

Tgt Ion: 43 Resp: 14655

Ion Ratio Lower Upper

43 100

58 38.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

6000

5000

4000

3000

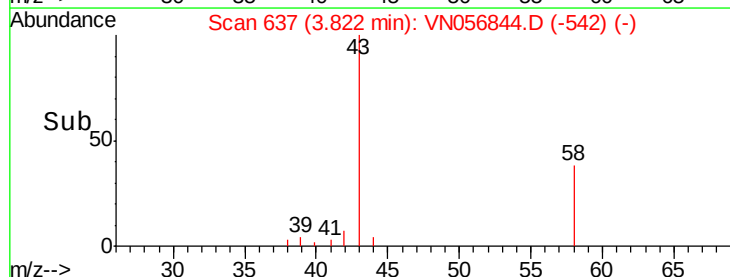
2000

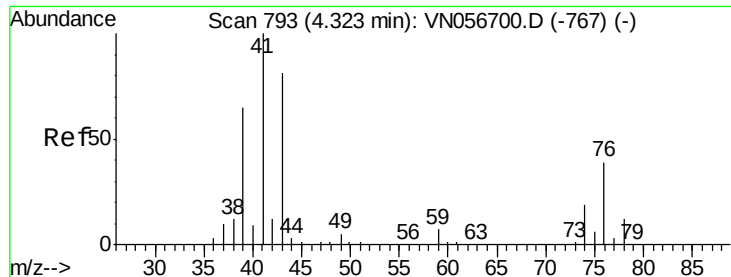
1000

0

Time-->

3.75 3.80 3.85 3.90

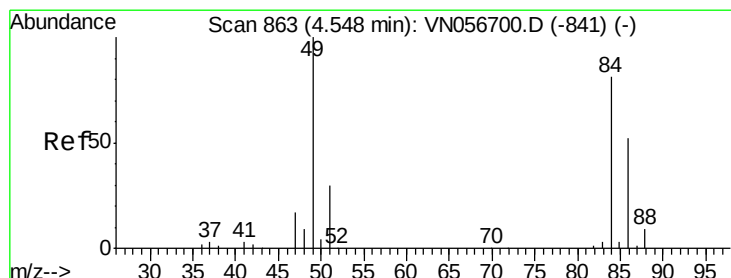
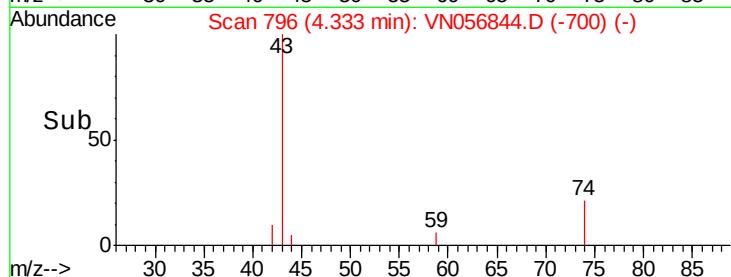
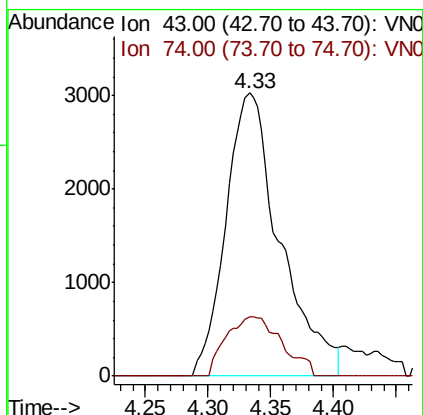
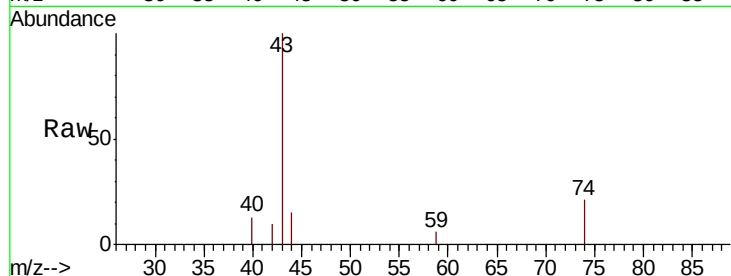




#18
Methyl Acetate
Concen: 2.309 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

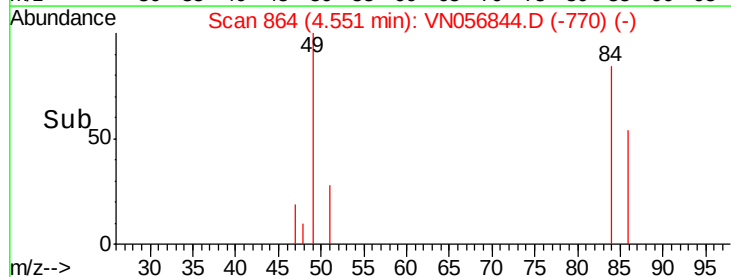
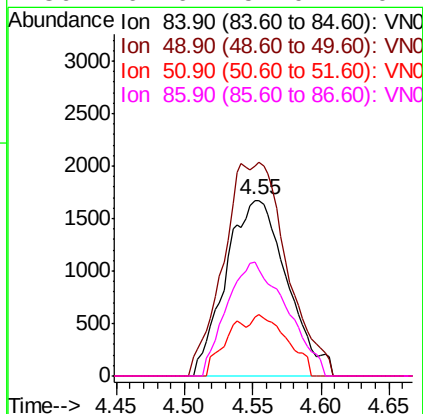
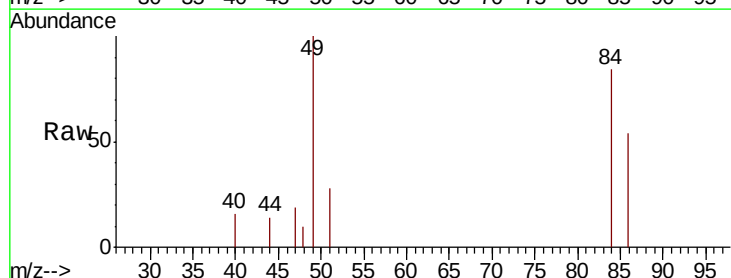
Instrument :
MSVOA_N
ClientSampleId :

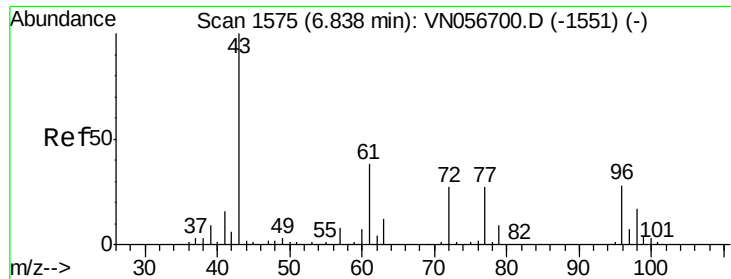
Tot Ion: 43 Resp: 9094
Ion Ratio Lower Upper
43 100
74 21.5 18.9 28.3



#20
Methylene Chloride
Concen: 1.914 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Tgt Ion: 84 Resp: 5232
Ion Ratio Lower Upper
84 100
49 119.3 98.2 147.4
51 33.4 29.6 44.4
86 64.6 51.0 76.4





#25

2-Butanone

Concen: 2.575 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN056844.D

Acq: 19 Jul 2019 19:57

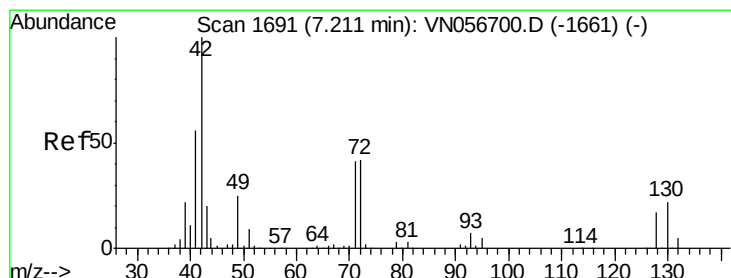
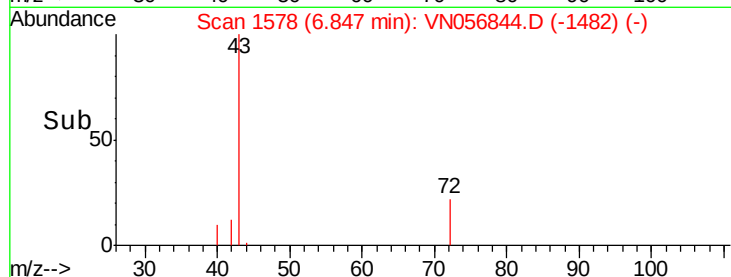
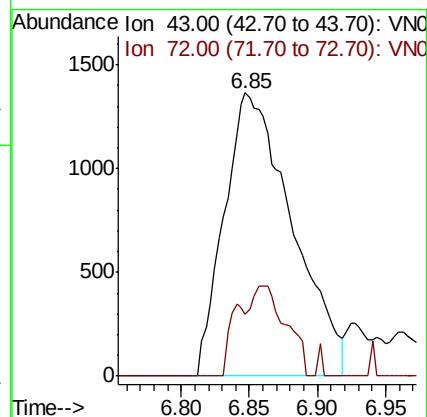
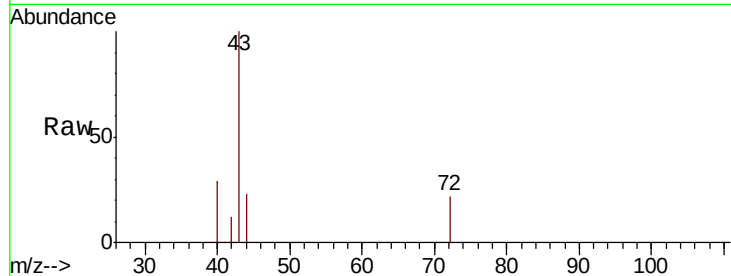
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4708

Ion Ratio Lower Upper

43 100

72 22.0 21.2 31.8



#29

Tetrahydrofuran

Concen: 0.698 ug/l

RT: 7.22 min Scan# 1695

Delta R.T. 0.01 min

Lab File: VN056844.D

Acq: 19 Jul 2019 19:57

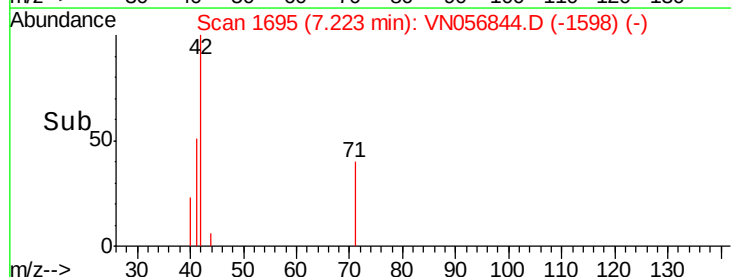
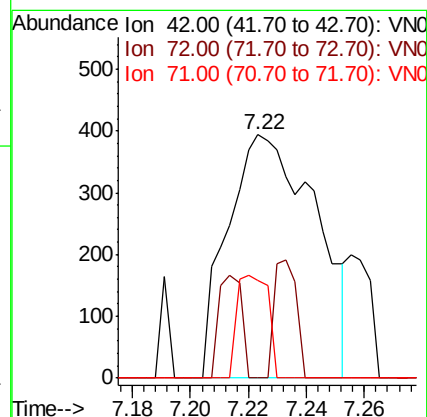
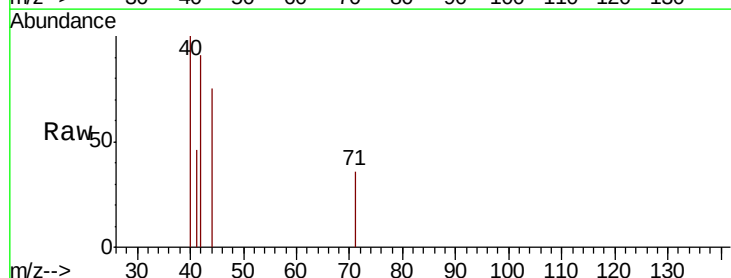
Tgt Ion: 42 Resp: 832

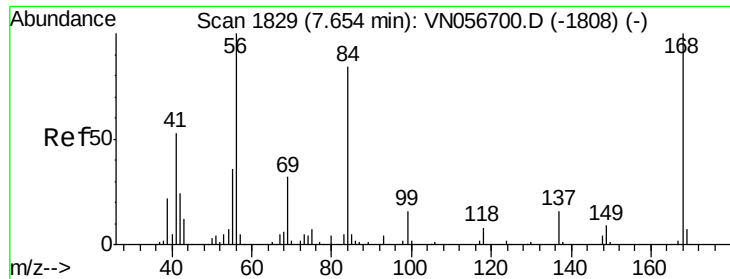
Ion Ratio Lower Upper

42 100

72 10.9 33.5 50.3#

71 14.8 31.8 47.8#

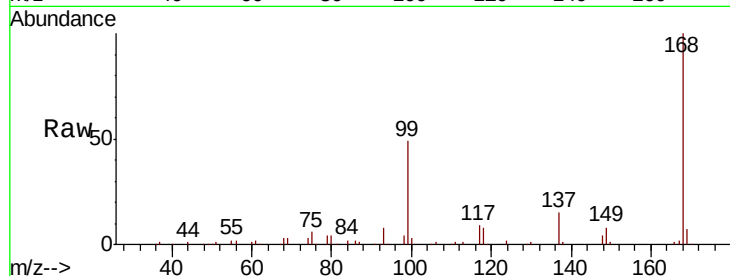




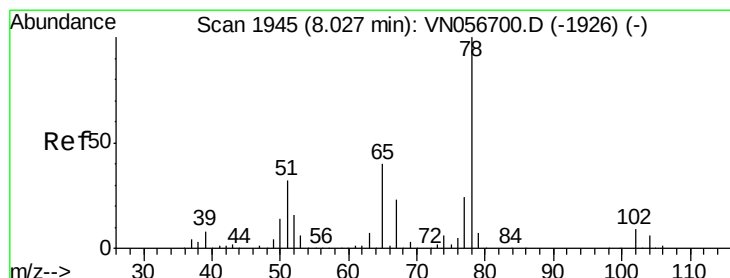
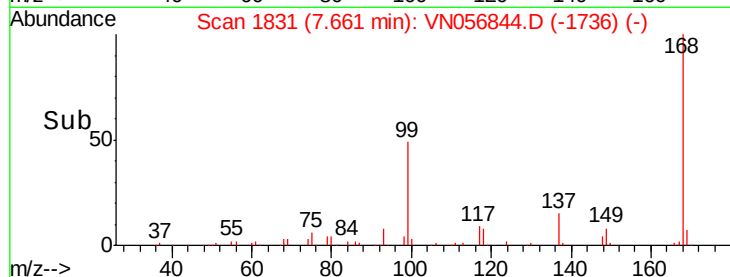
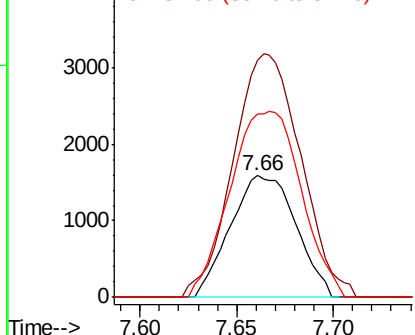
#31
Cyclohexane
Concen: 0.866 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3757
Ion Ratio Lower Upper
56 100
69 184.7 25.8 38.8#
84 150.8 67.4 101.0#

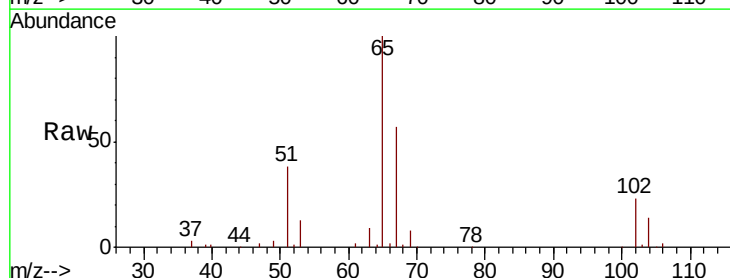


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

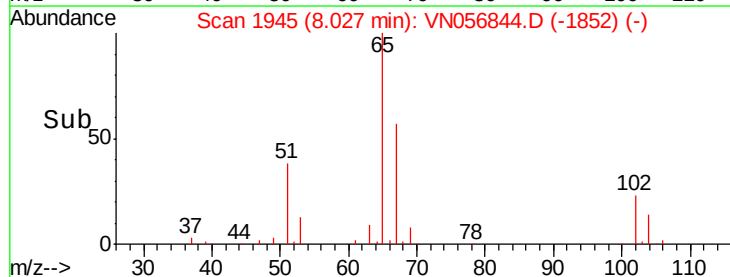
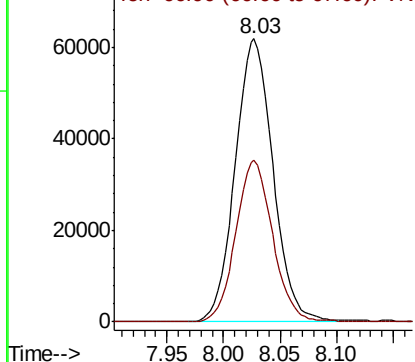


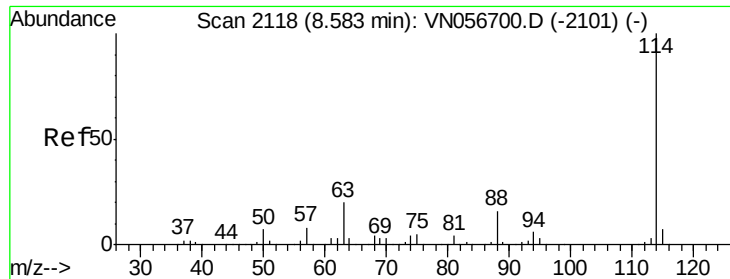
#33
1,2-Dichloroethane-d4
Concen: 53.135 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Tgt Ion: 65 Resp: 144224
Ion Ratio Lower Upper
65 100
67 55.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

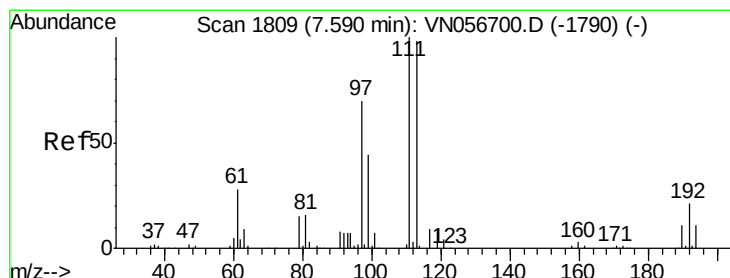
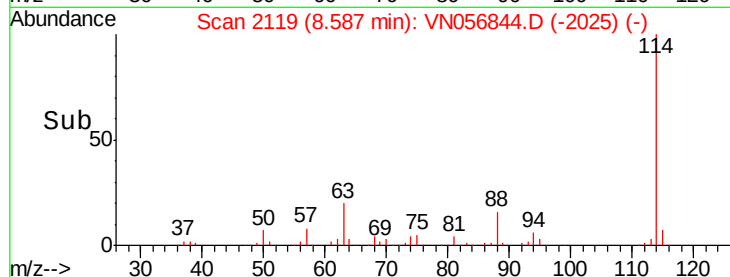
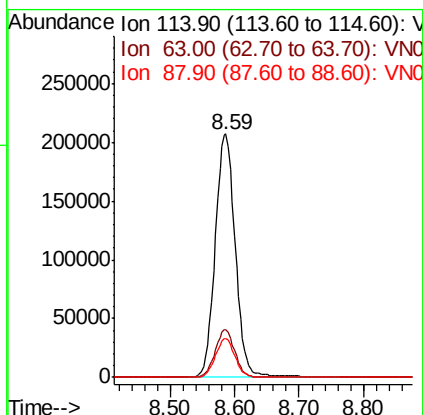
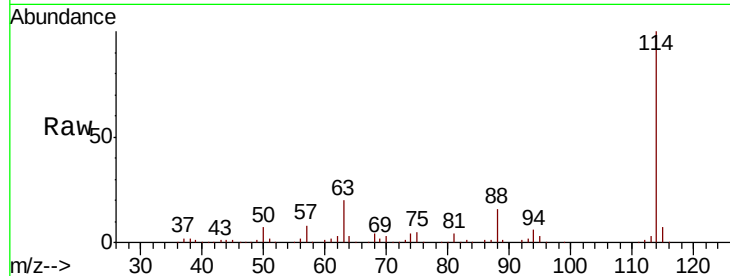




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

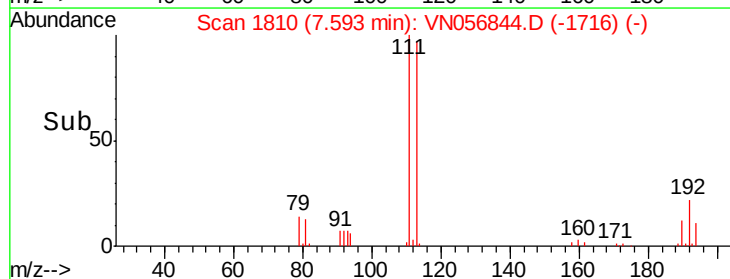
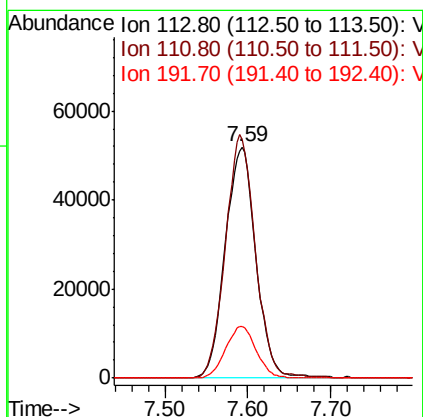
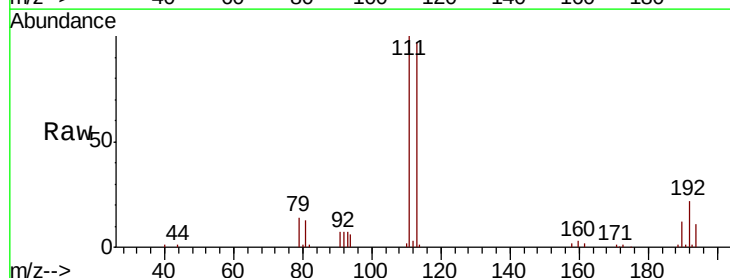
Instrument :
 MSVOA_N
 ClientSampled :

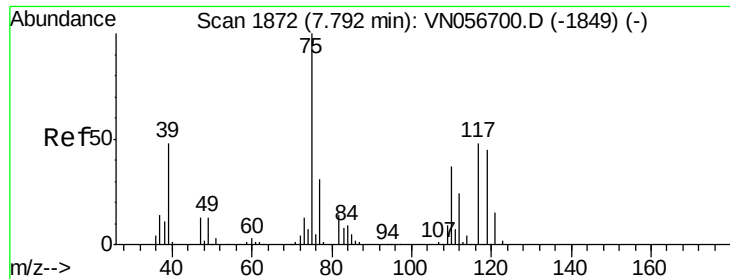
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.4
88	16.1	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 48.124 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.6
192	22.2	17.5	26.3

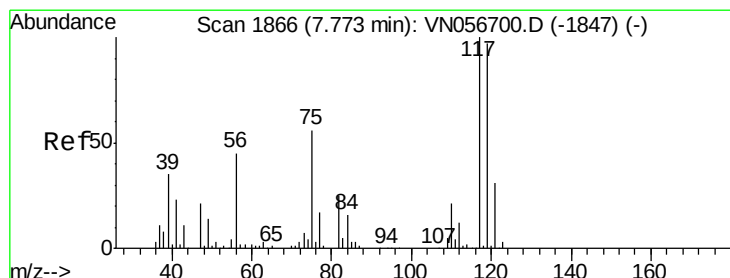
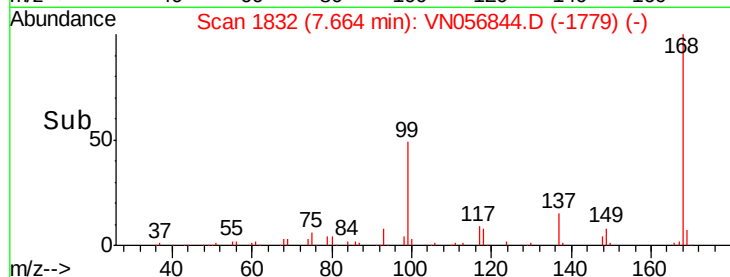
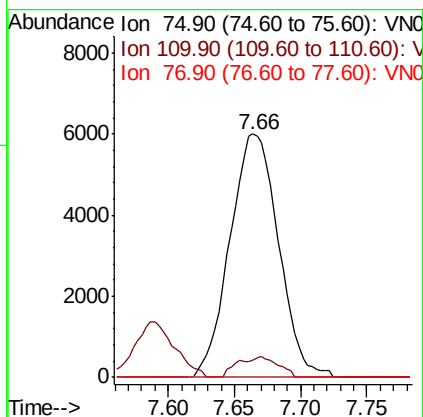
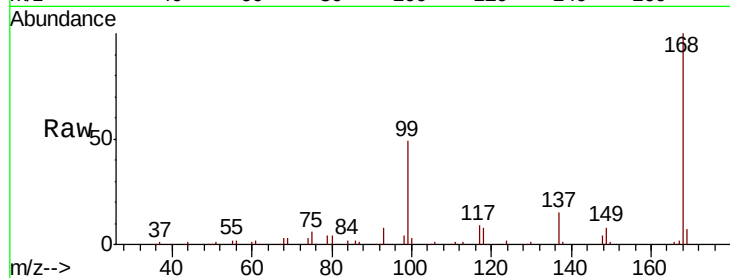




#36
 1,1-Dichloropropene
 Concen: 3.704 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

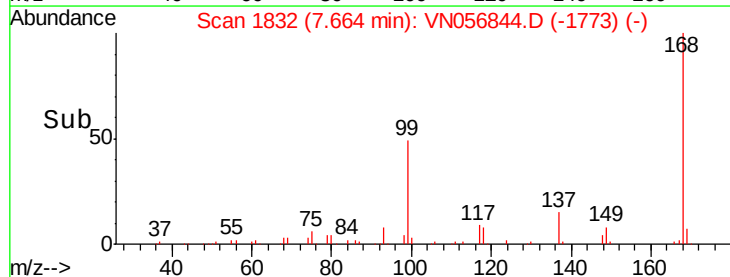
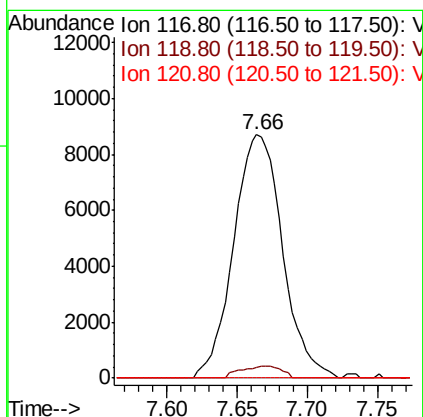
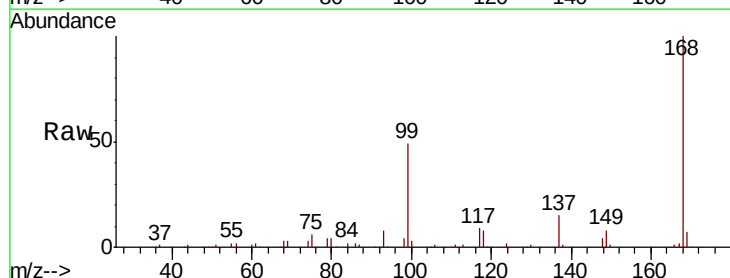
Instrument :
 MSVOA_N
 ClientSampleId :

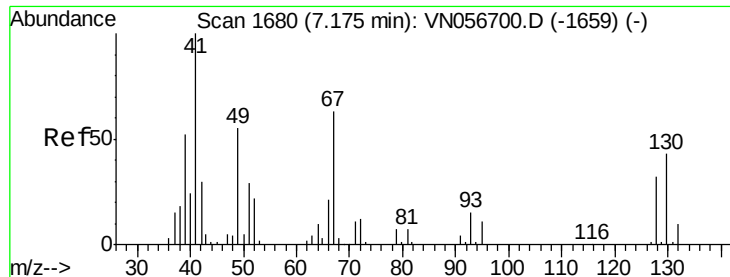
Tot Ion: 75 Resp: 15319
 Ion Ratio Lower Upper
 75 100
 110 7.1 18.4 55.4#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.441 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

Tgt Ion: 117 Resp: 21104
 Ion Ratio Lower Upper
 117 100
 119 4.3 77.5 116.3#
 121 0.0 24.7 37.1#

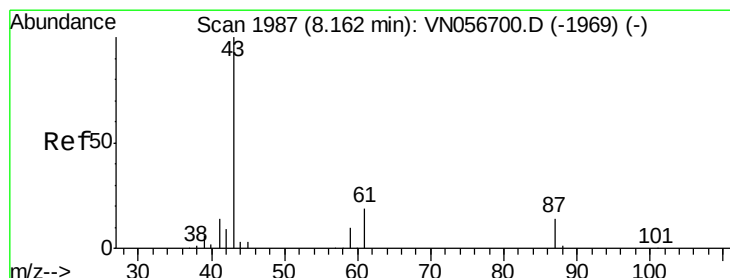
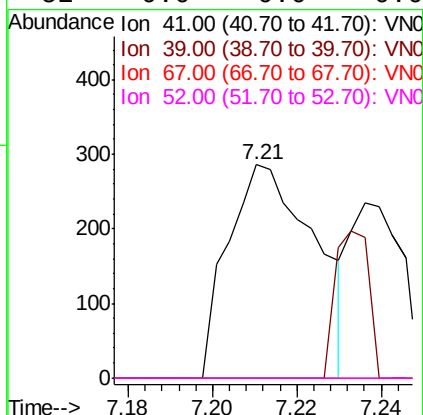
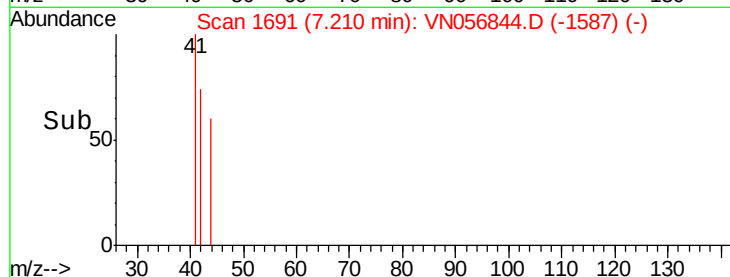
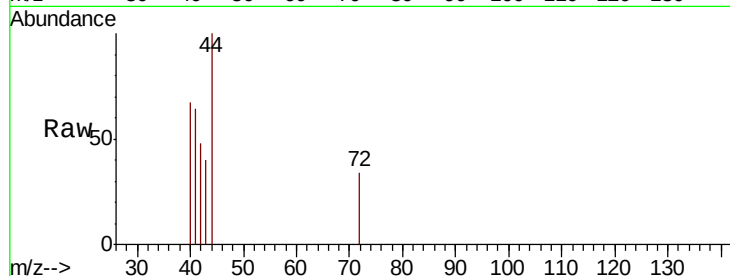




#41
Methacrylonitrile
Concen: 0.227 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

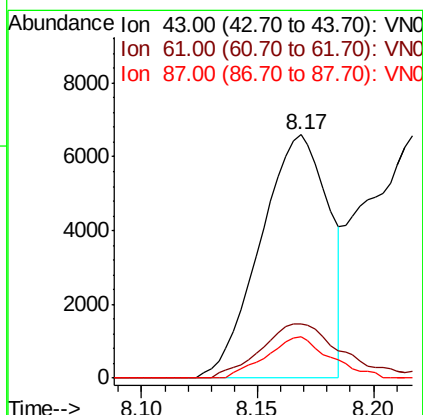
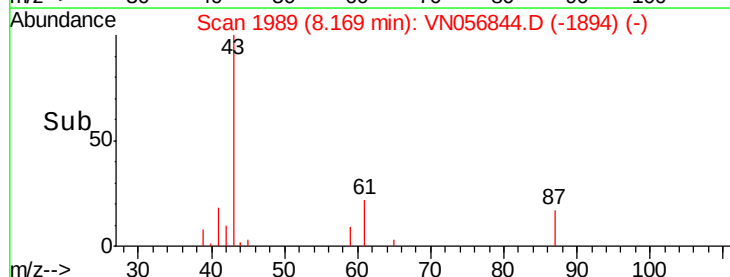
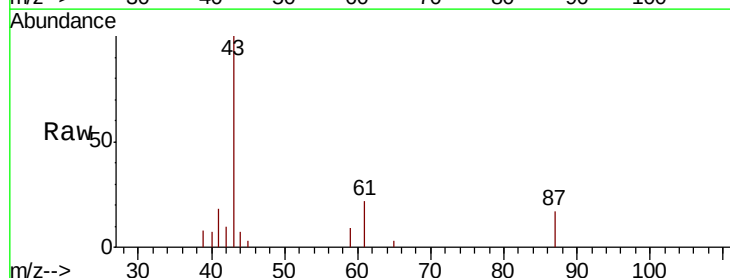
Instrument :
MSVOA_N
ClientSampled :

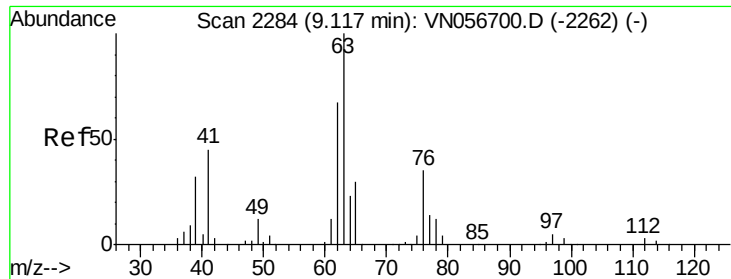
Tot Ion:	41	Resp:	407
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.109 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.01 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Tgt Ion:	43	Resp:	13513
Ion	Ratio	Lower	Upper
43	100		
61	26.3	22.3	33.5
87	15.9	11.1	16.7

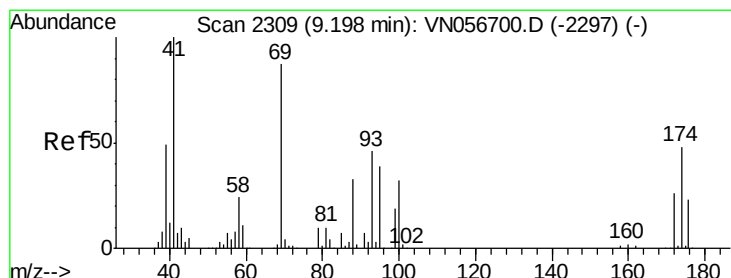
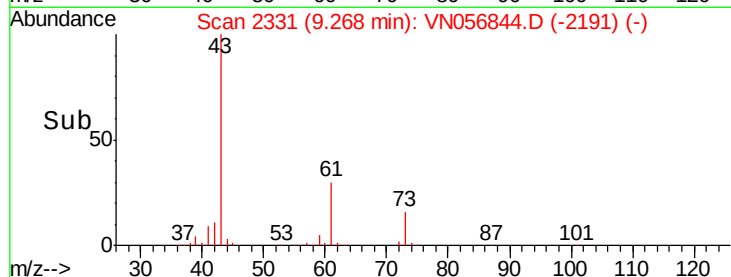
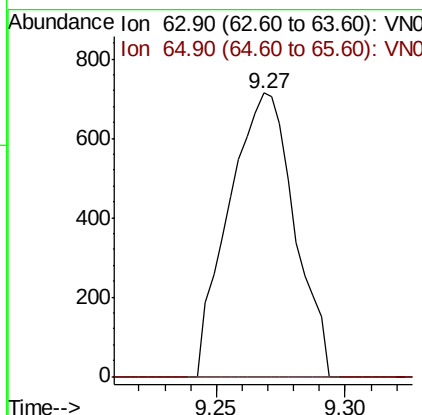
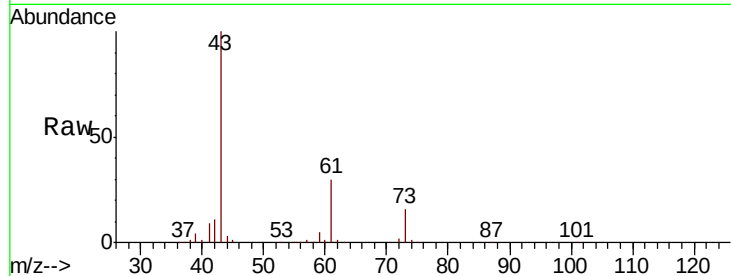




#45
 1,2-Dichloropropane
 Concen: 0.375 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

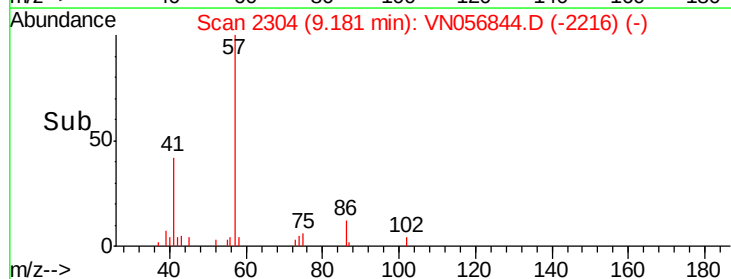
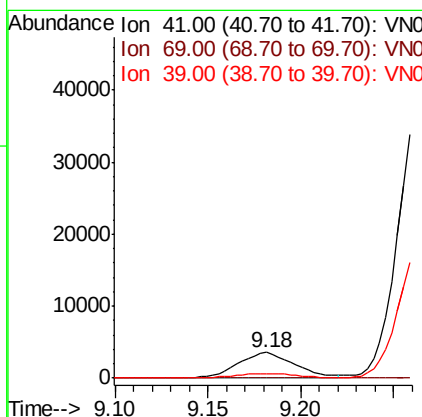
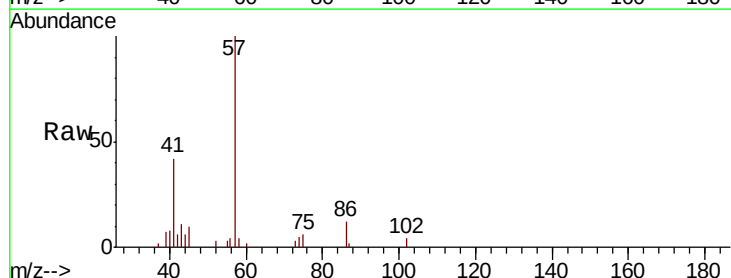
Instrument :
 MSVOA_N
 ClientSampleId :

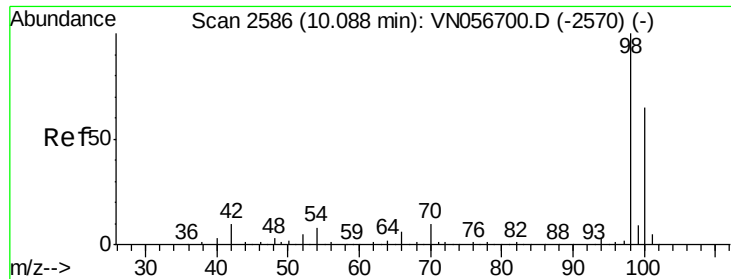
Tot Ion: 63 Resp: 1264
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.0 36.0#



#48
 Methyl methacrylate
 Concen: 2.447 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

Tgt Ion: 41 Resp: 7583
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.4 107.0#
 39 18.2 41.2 61.8#





#50

Toluene-d8

Concen: 53.159 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056844.D

Acq: 19 Jul 2019 19:57

Instrument :

MSVOA_N

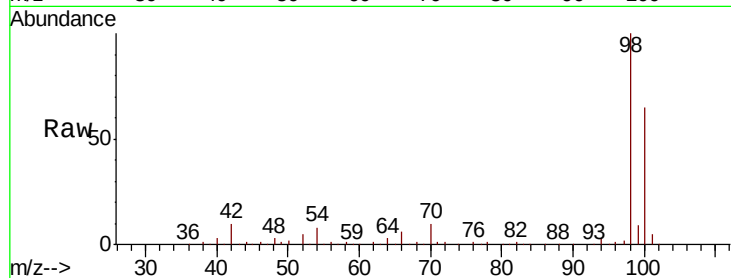
ClientSampled :

Tot Ion: 98 Resp: 571050

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)

10.09

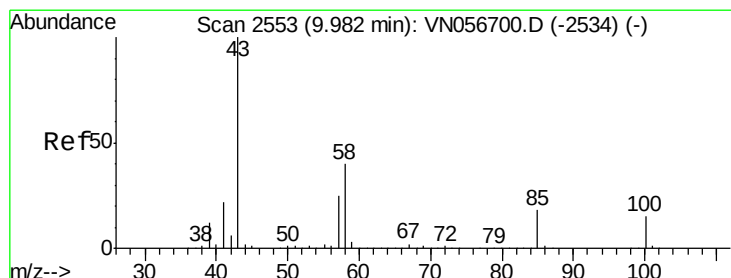
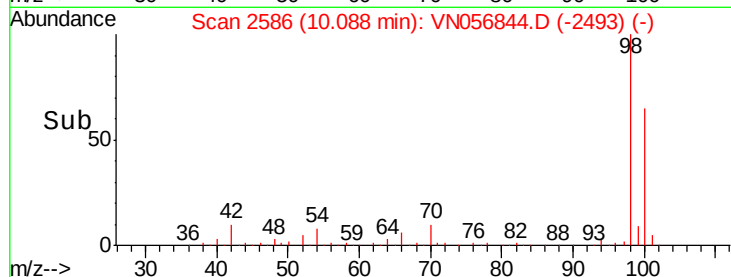
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.840 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN056844.D

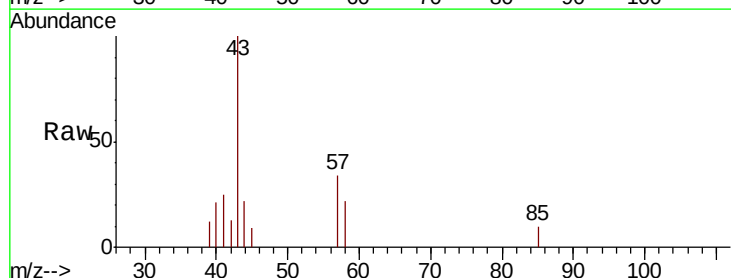
Acq: 19 Jul 2019 19:57

Tgt Ion: 43 Resp: 3487

Ion Ratio Lower Upper

43 100

58 32.7 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN056700.D (-2534) (-)

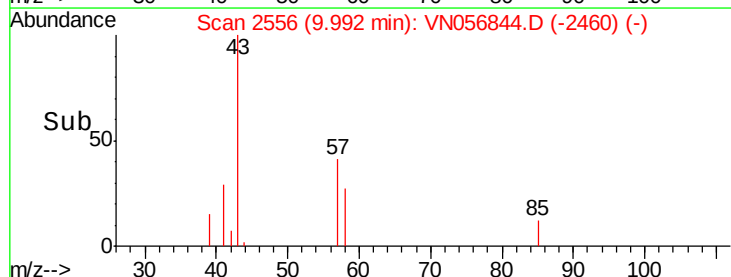
3000

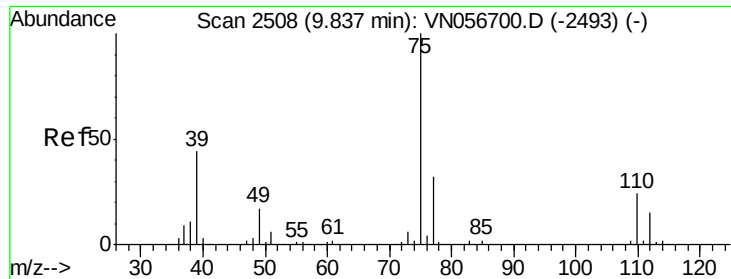
2000

1000

0

Time-->



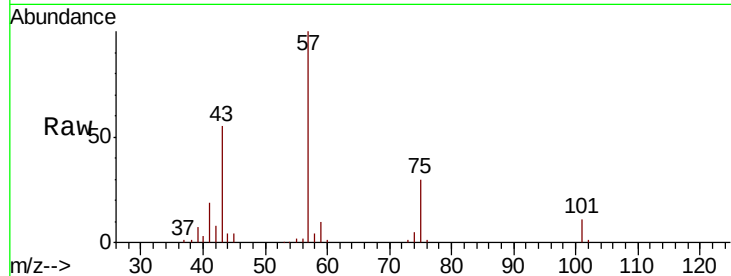


#54

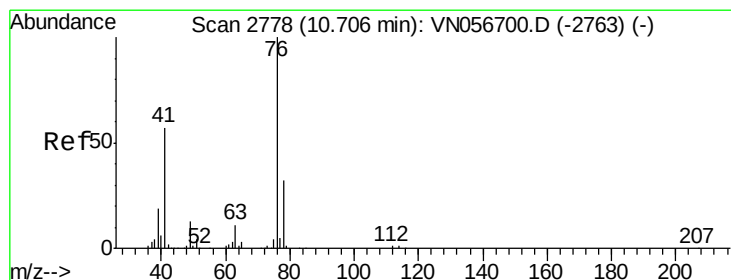
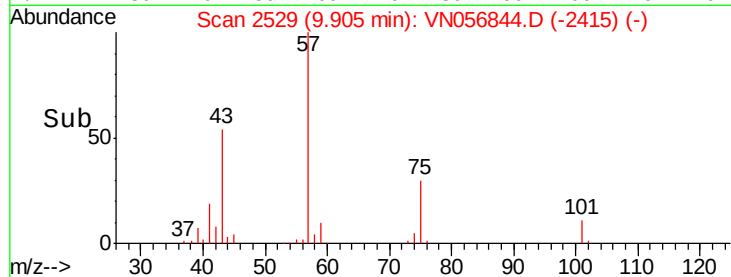
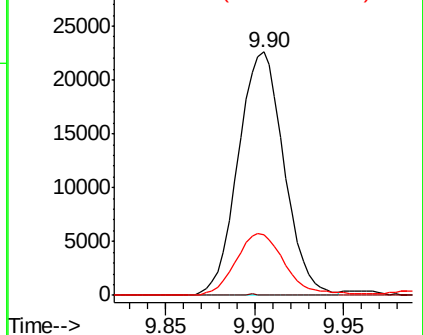
cis-1,3-Dichloropropene
 Concen: 8.456 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 40593
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.0 39.0#
 39 24.8 35.1 52.7#



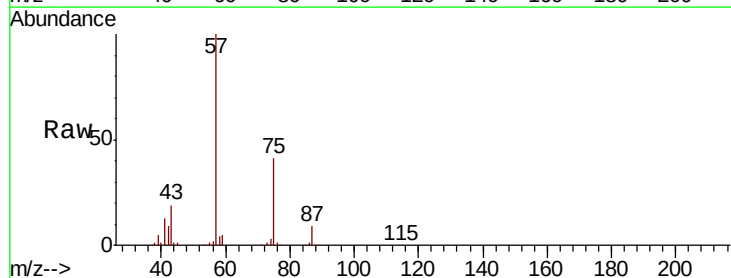
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



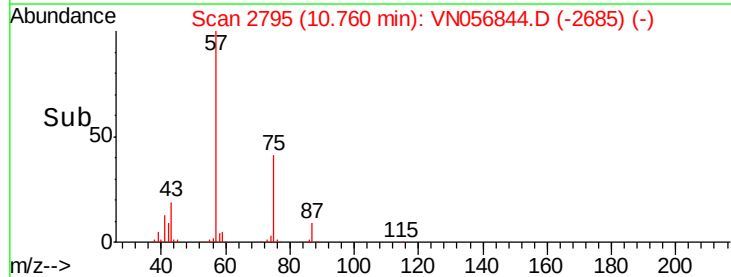
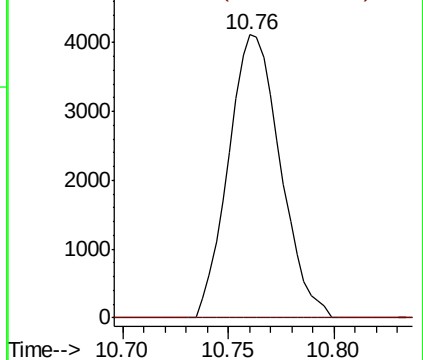
#57

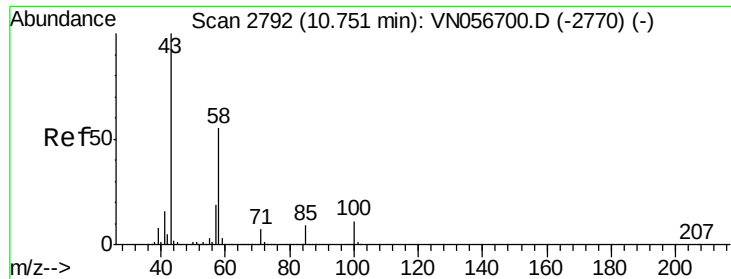
1,3-Dichloropropane
 Concen: 1.364 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.05 min
 Lab File: VN056844.D
 Acq: 19 Jul 2019 19:57

Tgt Ion: 76 Resp: 7030
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

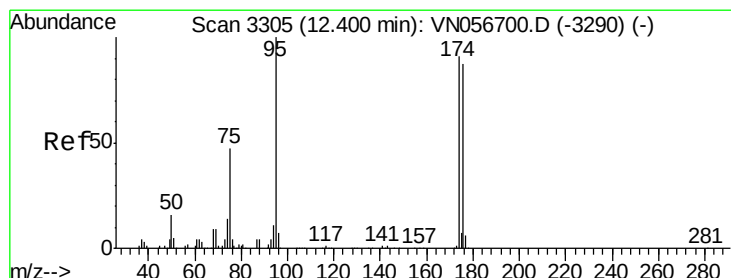
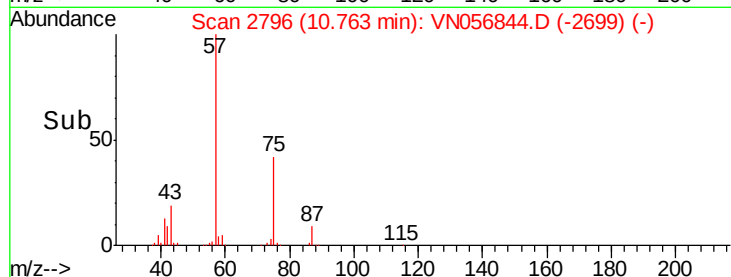
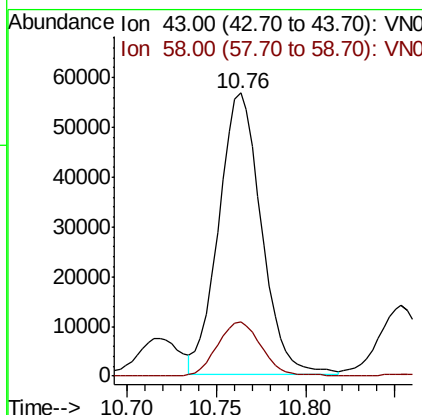
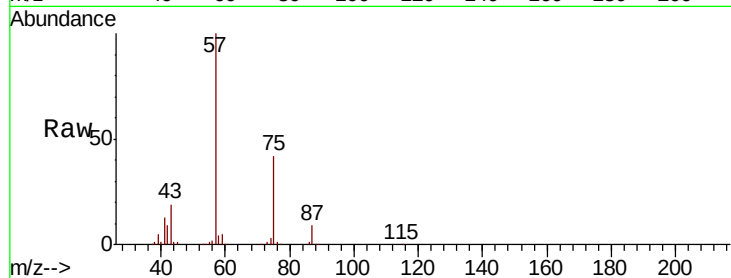




#59
2-Hexanone
Concen: 31.529 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

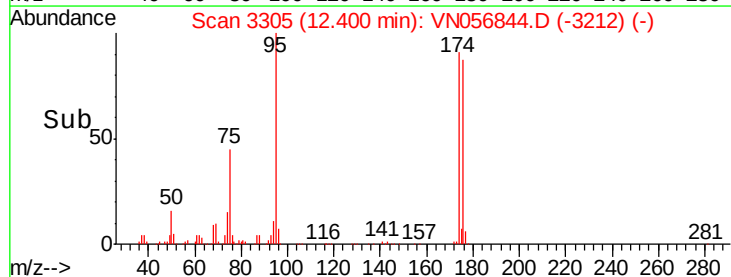
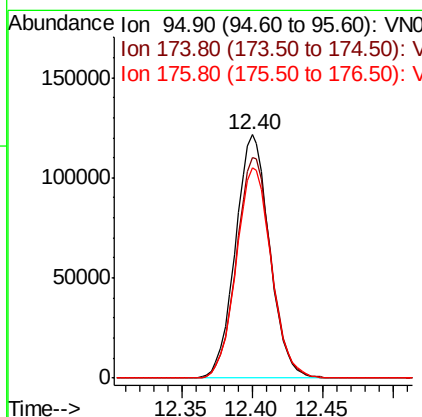
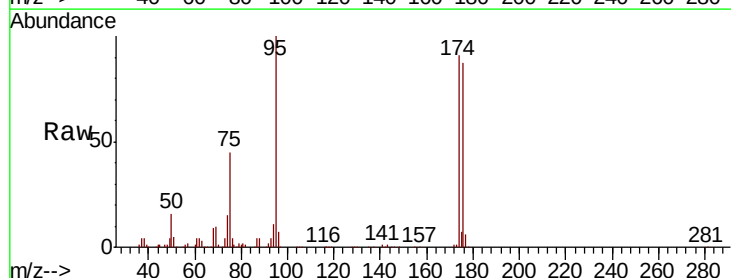
Instrument :
MSVOA_N
ClientSampleId :

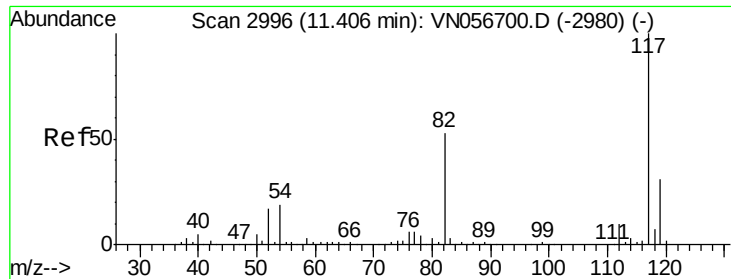
Tot Ion: 43 Resp: 93897
Ion Ratio Lower Upper
43 100
58 20.2 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 56.785 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Tgt Ion: 95 Resp: 205714
Ion Ratio Lower Upper
95 100
174 92.6 0.0 180.0
176 89.1 0.0 173.2

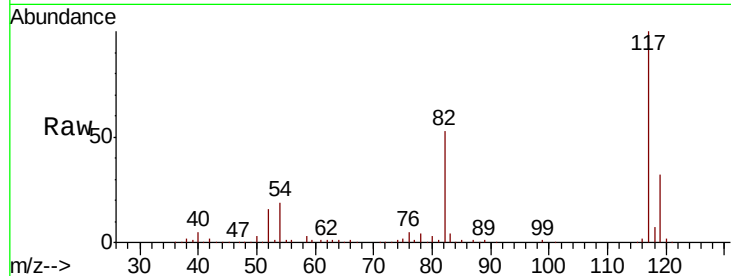




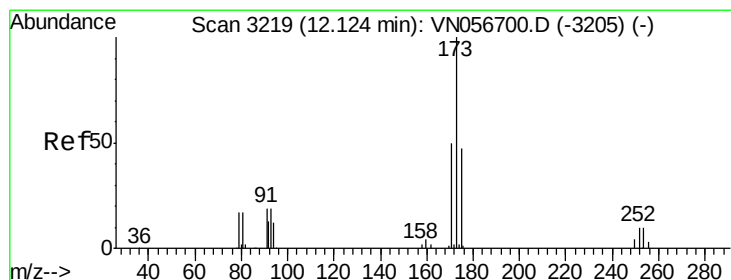
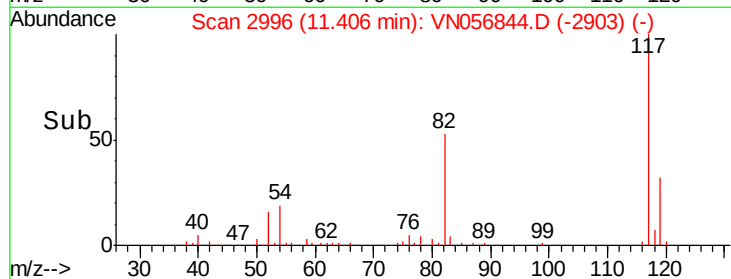
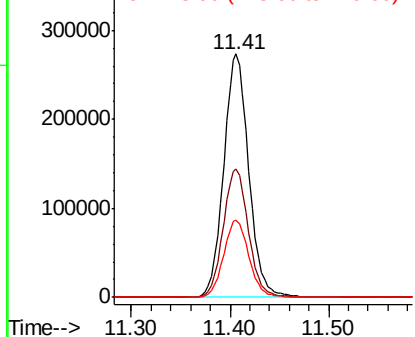
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 486491
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.2
119 31.7 25.2 37.8

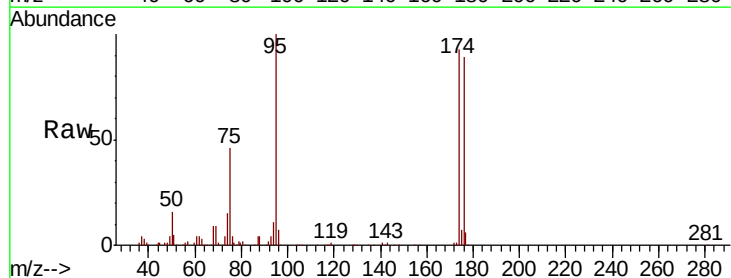


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

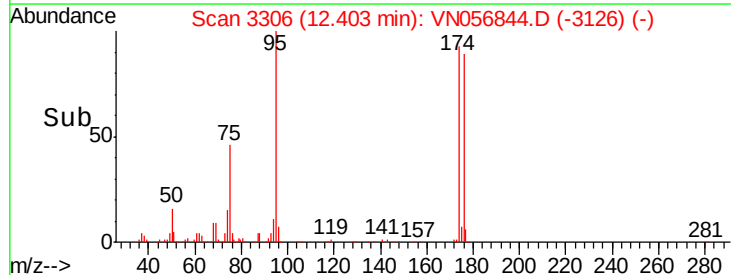
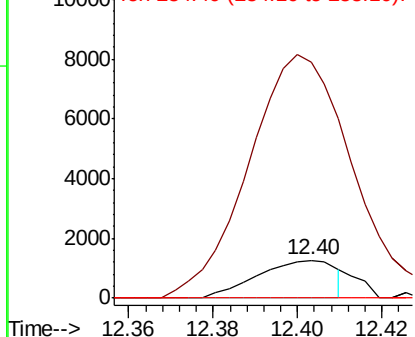


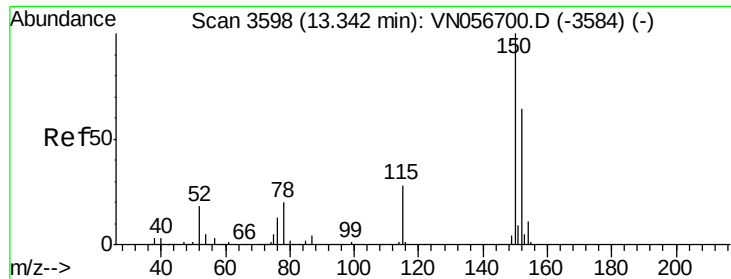
#71
Bromoform
Concen: 0.582 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Tgt Ion:173 Resp: 1623
Ion Ratio Lower Upper
173 100
175 700.4 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



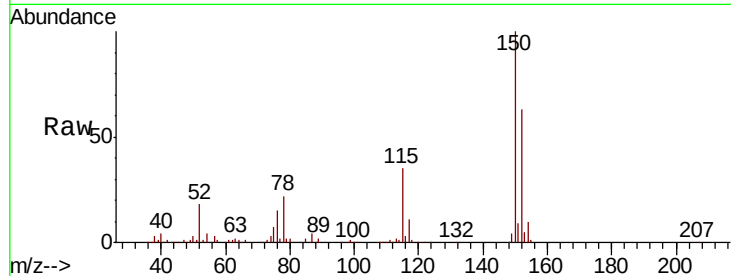


#72

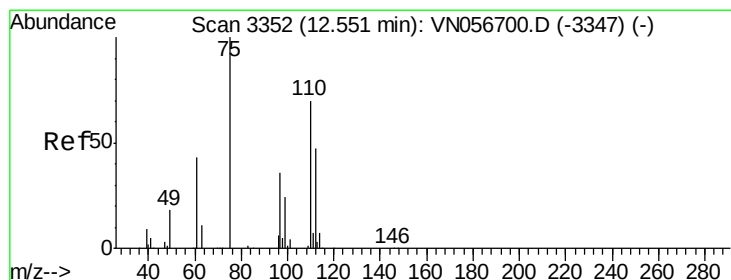
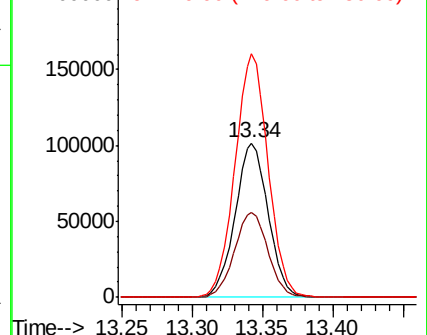
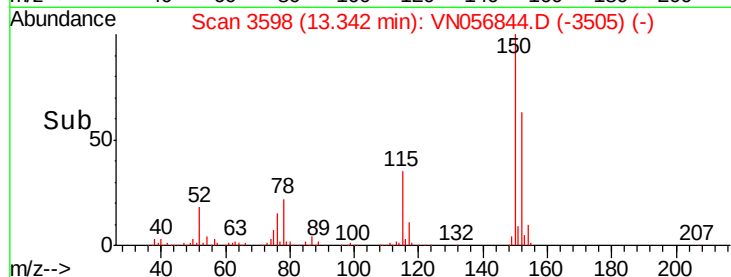
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 167089
Ion Ratio Lower Upper
152 100
115 55.7 28.2 84.7
150 157.7 0.0 345.8



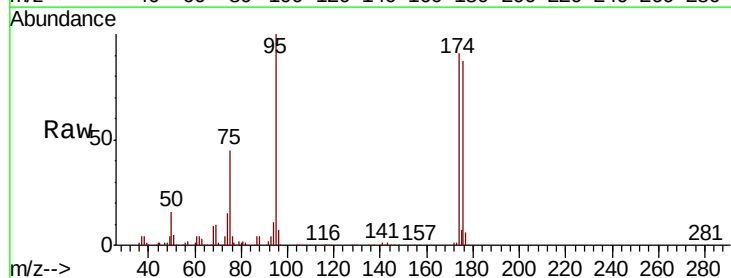
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



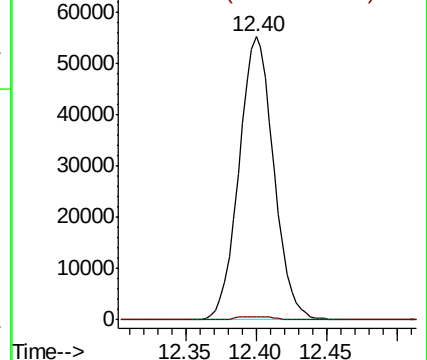
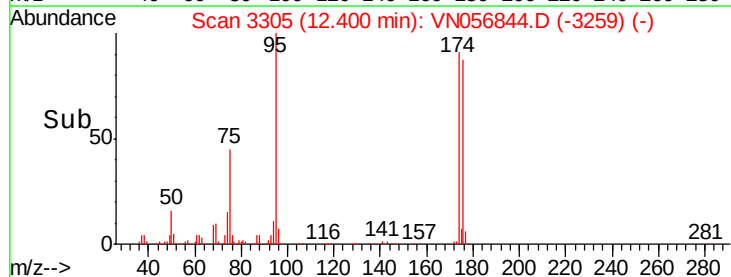
#76

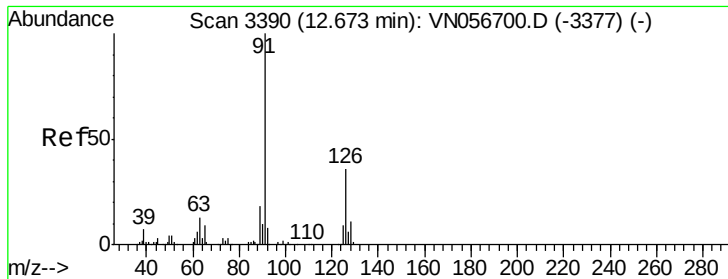
1,2,3-Trichloropropane
Concen: 26.125 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN056844.D
Acq: 19 Jul 2019 19:57

Tgt Ion: 75 Resp: 95472
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056844.D

Acq: 19 Jul 2019 19:57

Instrument :

MSVOA_N

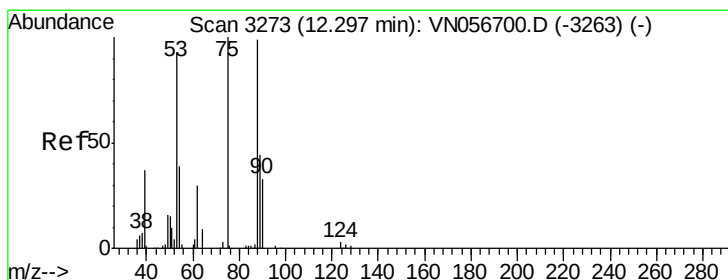
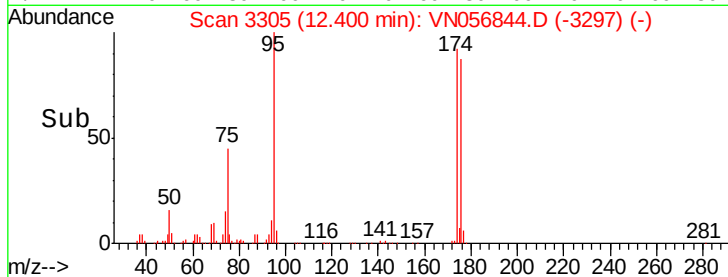
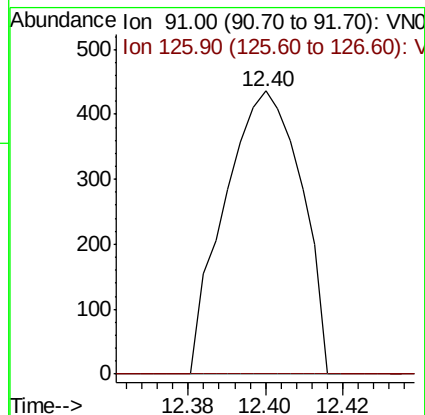
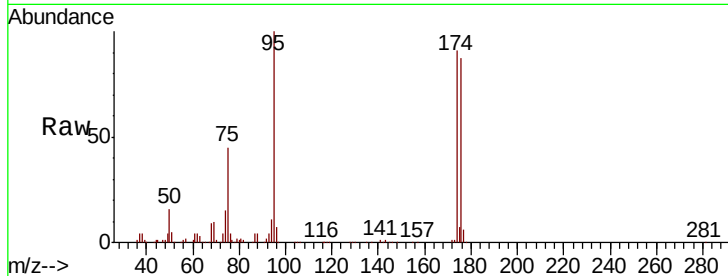
ClientSampleId :

Tot Ion: 91 Resp: 598

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.681 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056844.D

Acq: 19 Jul 2019 19:57

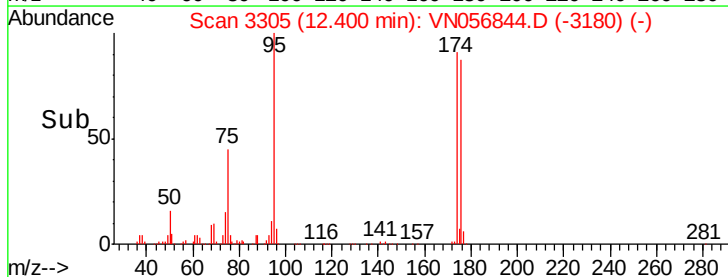
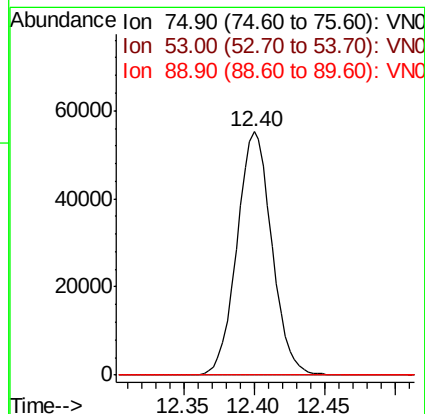
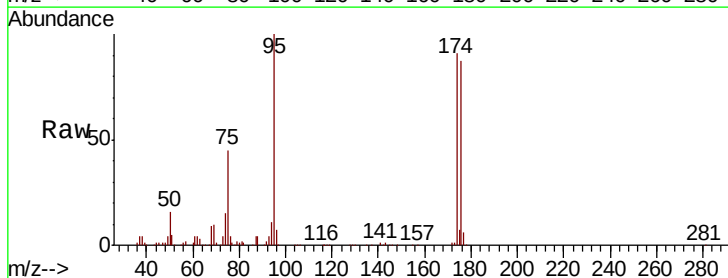
Tgt Ion: 75 Resp: 95472

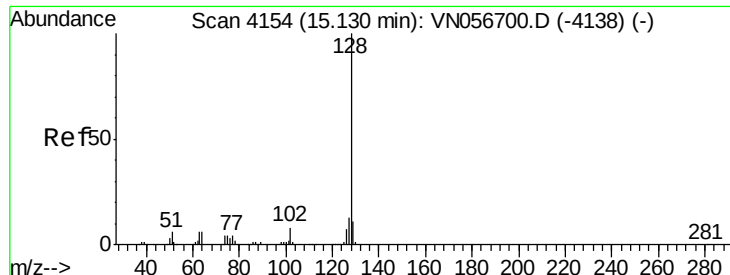
Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

89 0.1 36.2 54.2#





#95

Naphthalene

Concen: 4.613 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

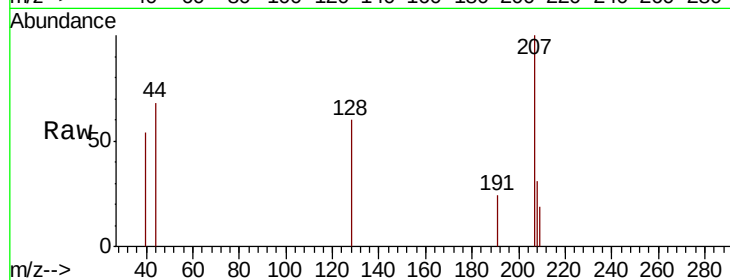
Lab File: VN056844.D

Acq: 19 Jul 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :



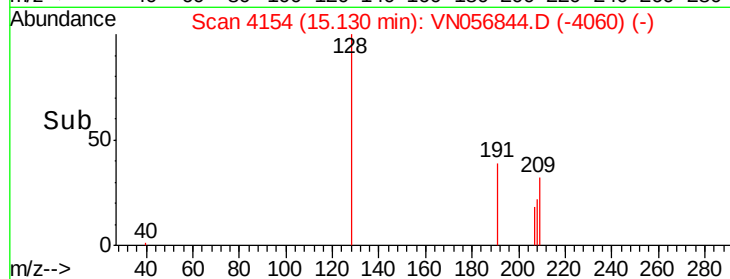
Tot Ion:128 Resp: 861

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

