

Data File : VN057781.D
Acq On : 8 Sep 2019 2:29
Operator : JC/SP
Sample : K4601-31
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-F1-(0)

Quant Time: Sep 08 06:46:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	170085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	291626	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	254898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	126621	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	228548	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
35) Dibromofluoromethane	7.57	113	140447	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
50) Toluene-d8	10.08	98	485904	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.40	95	176742	43.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.60%	

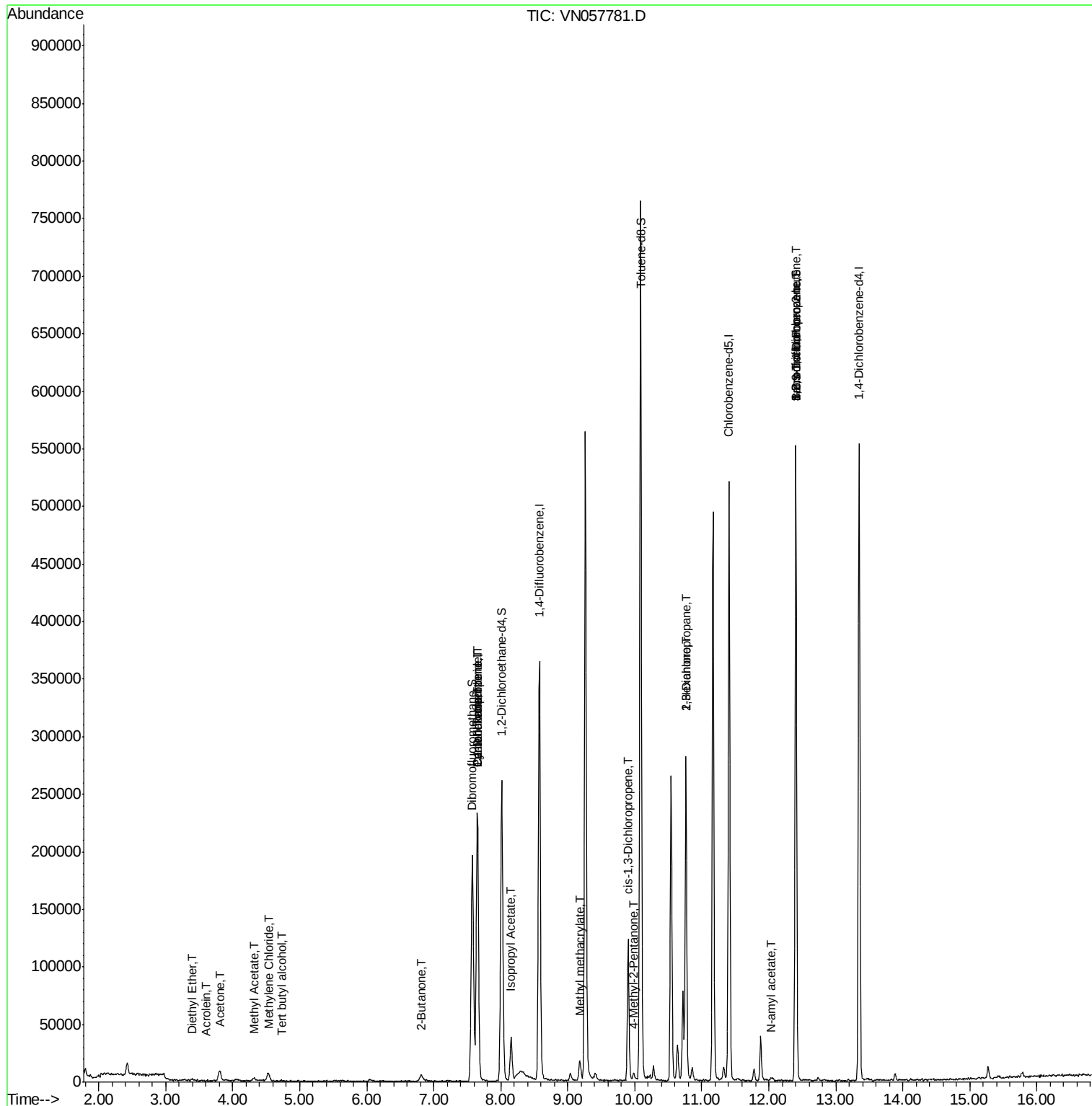
Target Compounds			Qvalue			
3) Chloromethane	2.04	50	553	Below Cal	#	42
8) Diethyl Ether	3.40	74	416	0.277	ug/l	97
11) Tert butyl alcohol	4.73	59	219	0.466	ug/l #	88
13) Acrolein	3.60	56	75	0.335	ug/l #	15
16) Acetone	3.81	43	15890	12.479	ug/l	91
18) Methyl Acetate	4.30	43	1607	0.464	ug/l	93
20) Methylene Chloride	4.53	84	4422	1.606	ug/l	87
25) 2-Butanone	6.82	43	1939	1.063	ug/l #	55
31) Cyclohexane	7.65	56	5526	1.190	ug/l #	32
36) 1,1-Dichloropropene	7.65	75	16573	4.272	ug/l #	49
38) Carbon Tetrachloride	7.66	117	18144	4.884	ug/l #	17
43) Isopropyl Acetate	8.15	43	45473	6.151	ug/l	99
48) Methyl methacrylate	9.17	41	3330	0.876	ug/l #	42
51) 4-Methyl-2-Pentanone	9.99	43	3474	0.846	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	17537	3.867	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	2759	0.574	ug/l #	43
59) 2-Hexanone	10.76	43	47161	16.289	ug/l #	57
71) Bromoform	12.40	173	1178	3.879	ug/l #	1
74) N-amyl acetate	12.03	43	2027	0.362	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	105395	36.247	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	105395	112.728	ug/l #	1

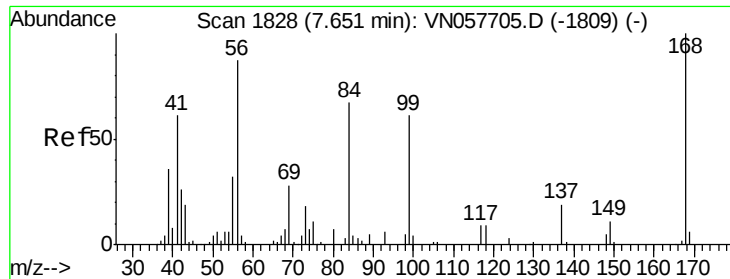
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057781.D

Acq: 8 Sep 2019 2:29

Instrument :

MSVOA_N

ClientSampleId :

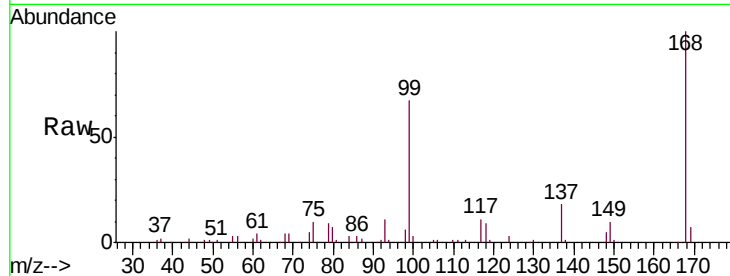
T12-F1-(0)

Tgt Ion:168 Resp: 170085

Ion Ratio Lower Upper

168 100

99 66.9 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

80000

60000

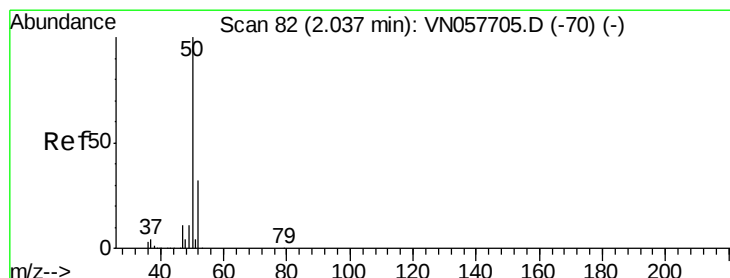
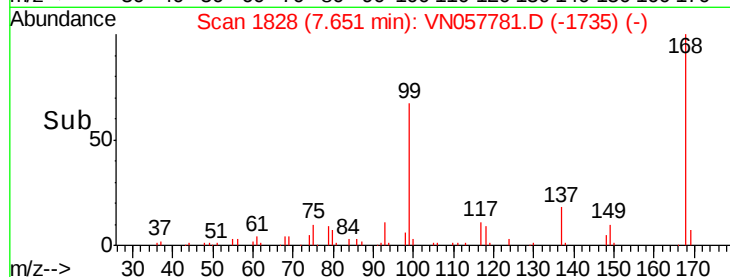
40000

20000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057781.D

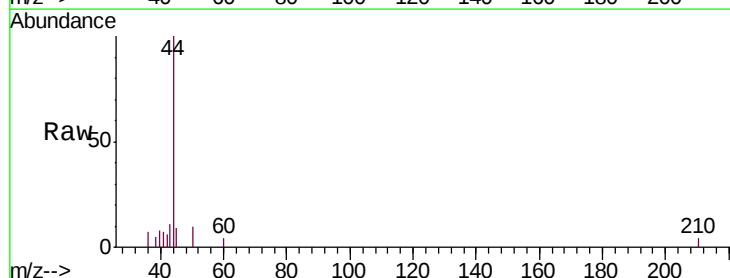
Acq: 8 Sep 2019 2:29

Tgt Ion: 50 Resp: 553

Ion Ratio Lower Upper

50 100

52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

500

400

300

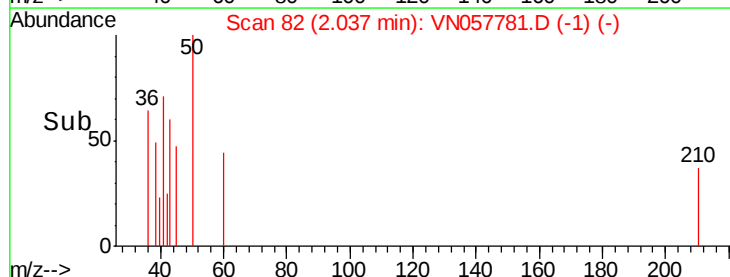
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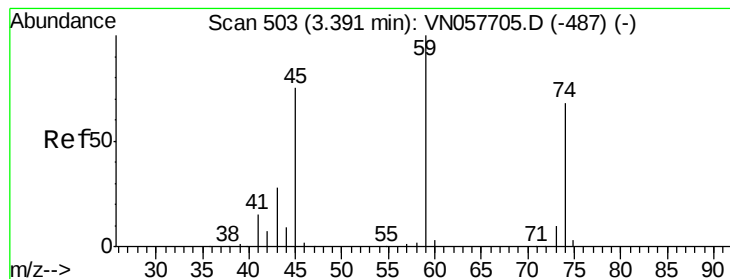
100

0

Time-->

2.00 2.02 2.04 2.06





#8

Diethyl Ether

Concen: 0.277 ug/l

RT: 3.40 min Scan# 505

Delta R.T. 0.01 min

Lab File: VN057781.D

Acq: 8 Sep 2019 2:29

Instrument :

MSVOA_N

ClientSampleId :

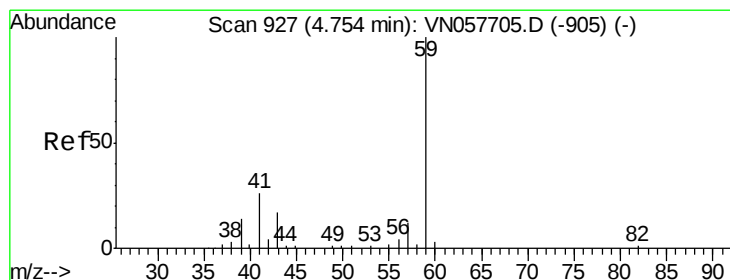
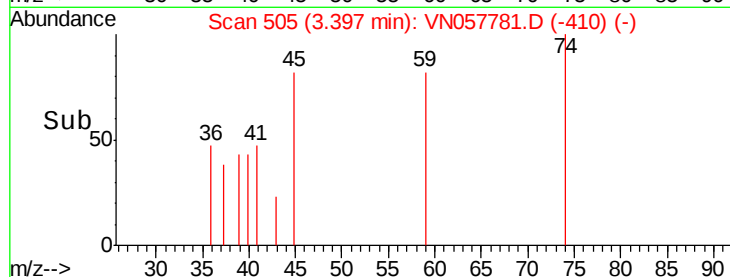
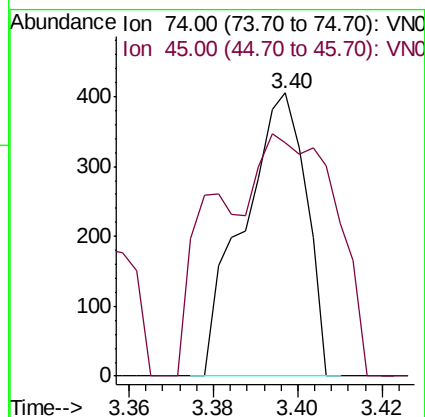
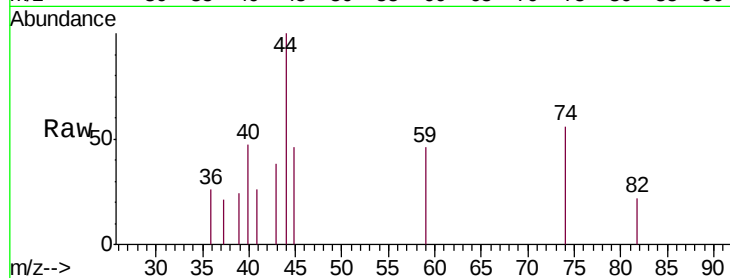
T12-F1-(0)

Tgt Ion: 74 Resp: 416

Ion Ratio Lower Upper

74 100

45 107.2 55.4 166.0



#11

Tert butyl alcohol

Concen: 0.466 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.03 min

Lab File: VN057781.D

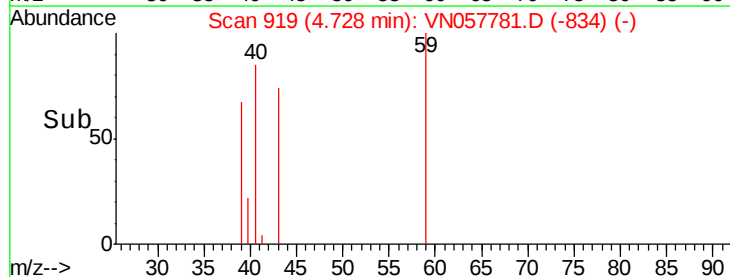
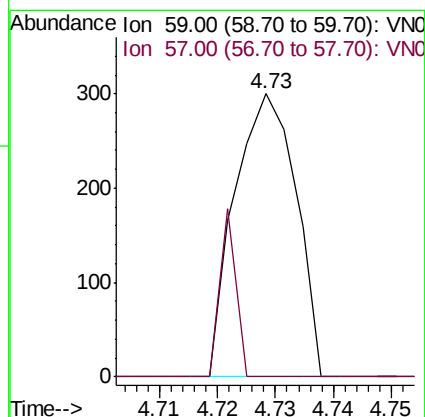
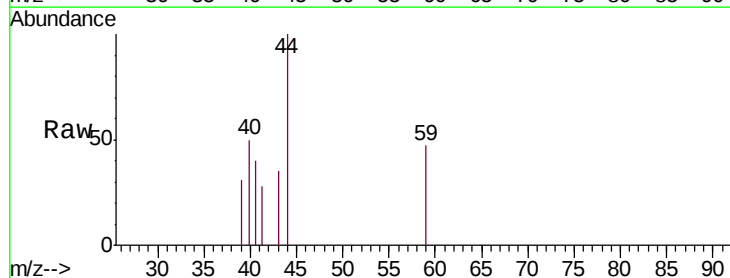
Acq: 8 Sep 2019 2:29

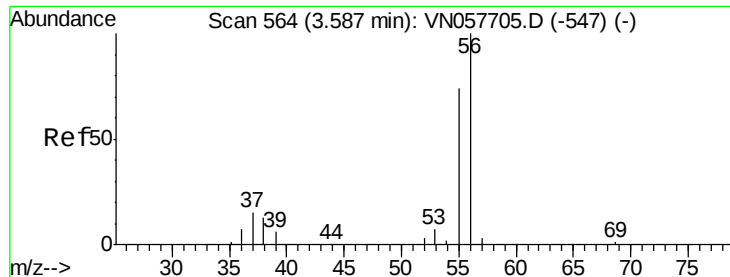
Tgt Ion: 59 Resp: 219

Ion Ratio Lower Upper

59 100

57 15.5 8.9 13.3#





#13

Acrolein

Concen: 0.335 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057781.D

Acq: 8 Sep 2019 2:29

Instrument :

MSVOA_N

ClientSampleId :

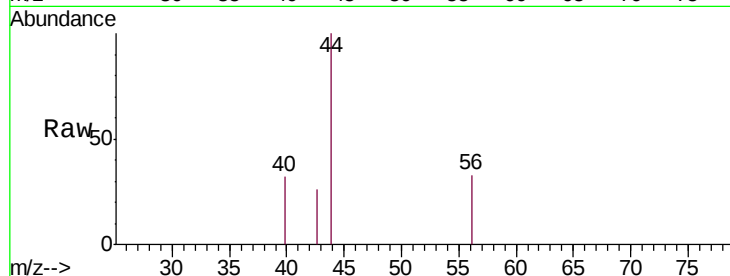
T12-F1-(0)

Tgt Ion: 56 Resp: 75

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

200

150

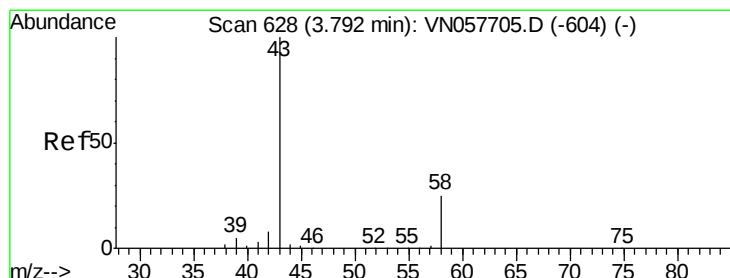
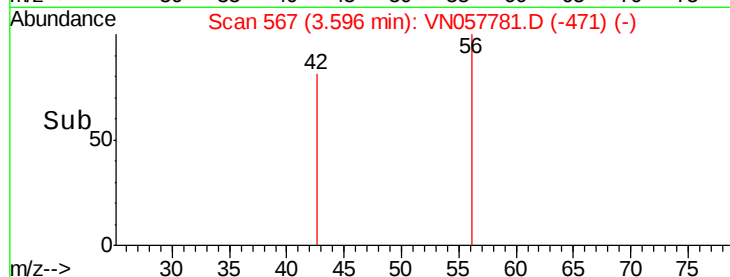
100

50

0

Time-->

3.58 3.59 3.60



#16

Acetone

Concen: 12.479 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057781.D

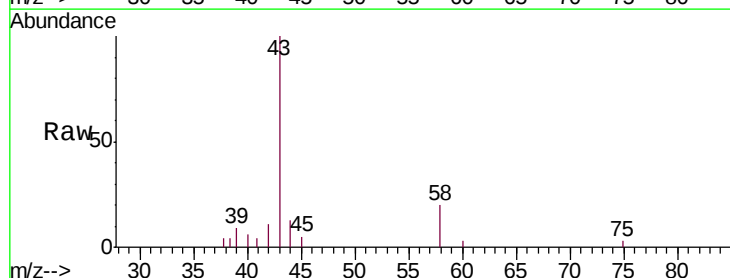
Acq: 8 Sep 2019 2:29

Tgt Ion: 43 Resp: 15890

Ion Ratio Lower Upper

43 100

58 20.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.81

6000

5000

4000

3000

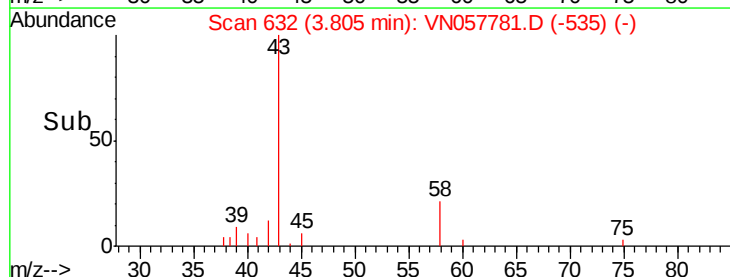
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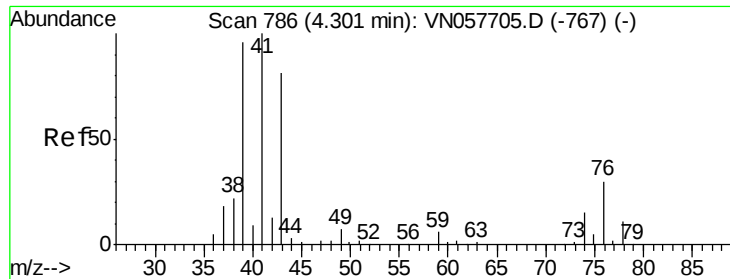
1000

0

Time-->

3.70 3.75 3.80 3.85 3.90

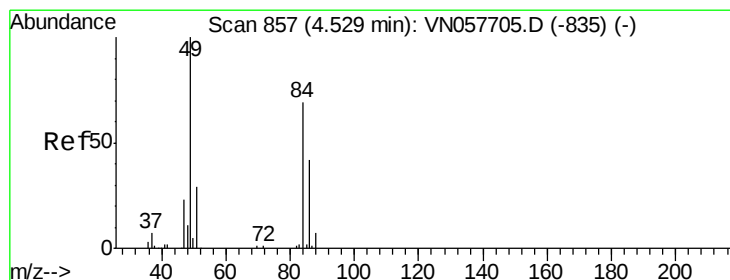
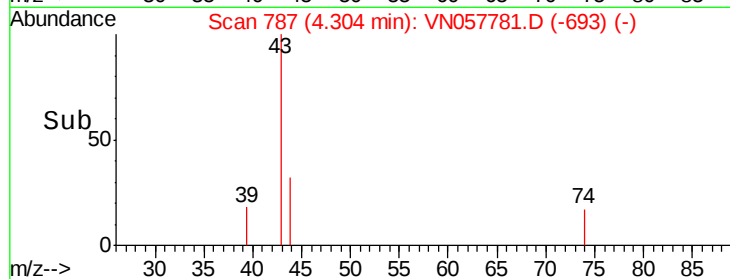
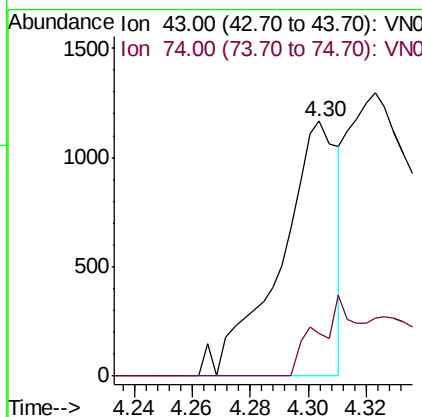
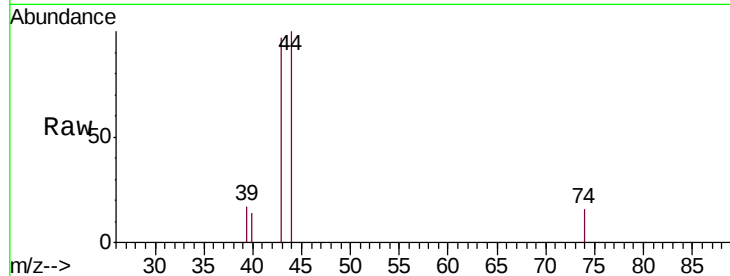




#18
Methyl Acetate
Concen: 0.464 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

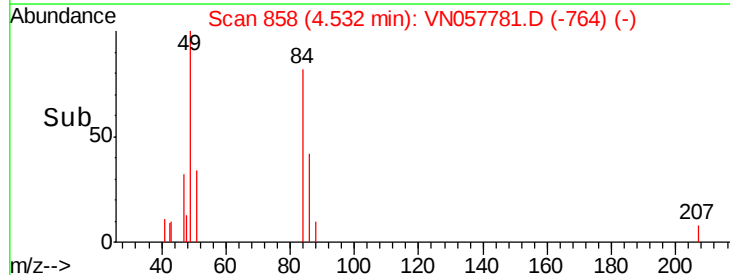
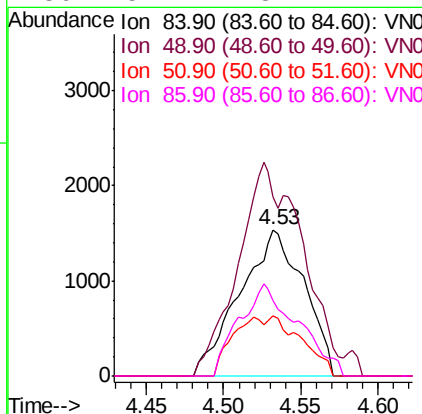
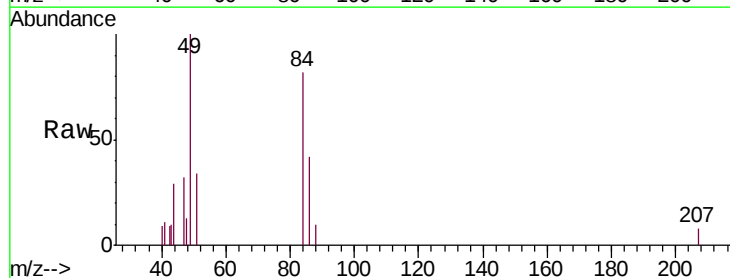
Instrument :
MSVOA_N
ClientSampled :
T12-F1-(0)

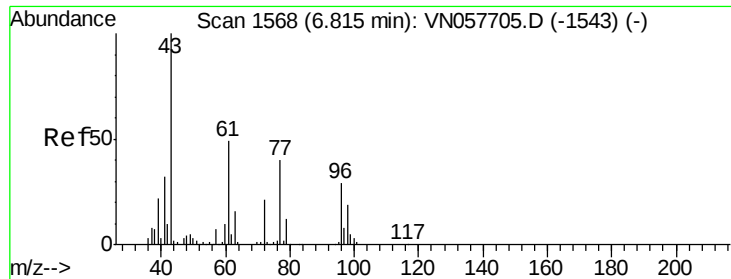
Tgt Ion: 43 Resp: 1607
Ion Ratio Lower Upper
43 100
74 22.3 15.3 22.9



#20
Methylene Chloride
Concen: 1.606 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

Tgt Ion: 84 Resp: 4422
Ion Ratio Lower Upper
84 100
49 122.4 115.0 172.6
51 41.6 33.8 50.8
86 51.7 48.2 72.2

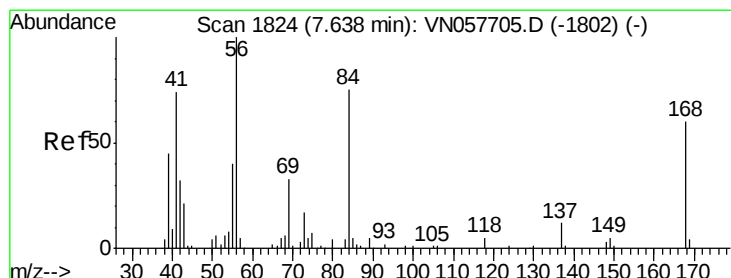
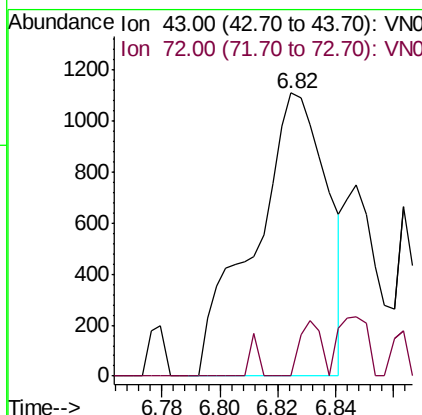
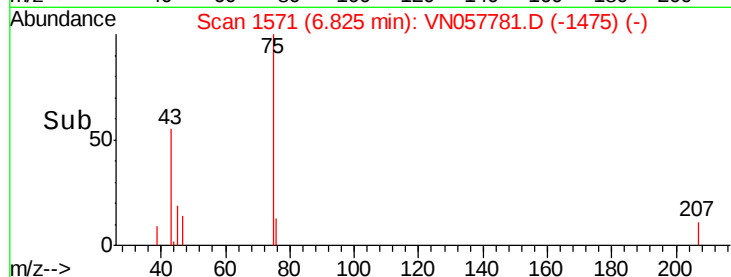
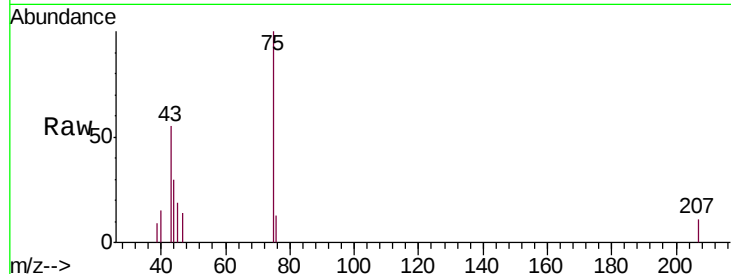




#25
2-Butanone
Concen: 1.063 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

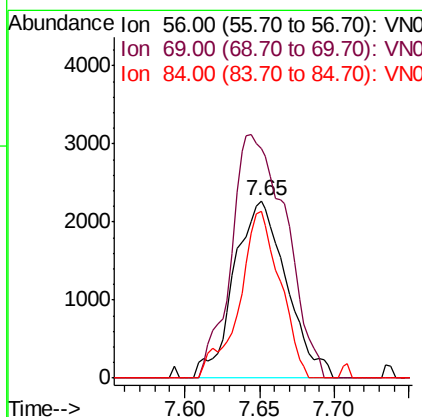
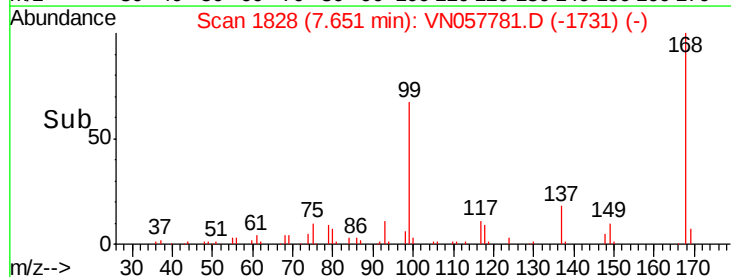
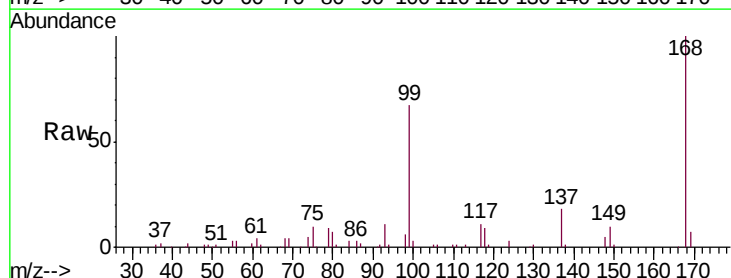
Instrument :
MSVOA_N
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T12-F1-(0)

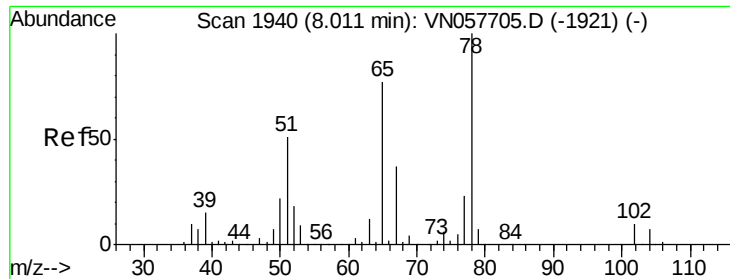
Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

Tgt Ion: 56 Resp: 5526
Ion Ratio Lower Upper
56 100
69 129.2 26.2 39.2#
84 94.4 59.8 89.8#

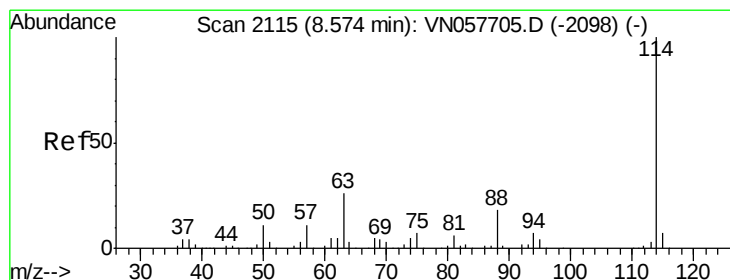
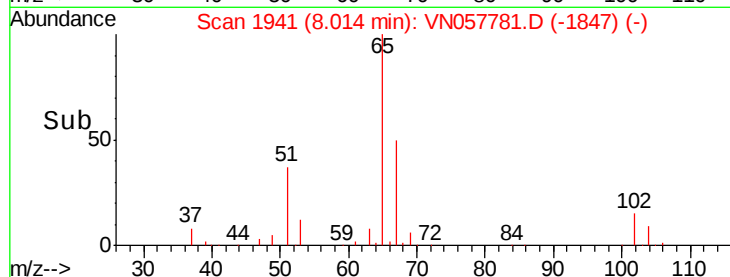
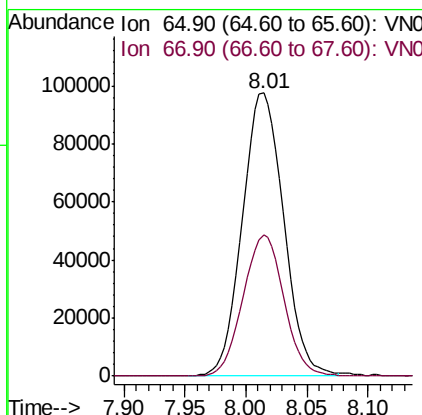
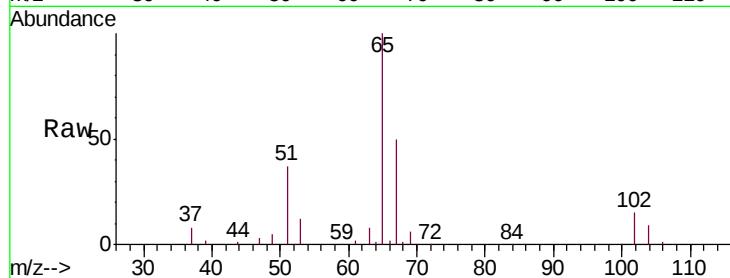




#33
 1,2-Dichloroethane-d4
 Concen: 55.236 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

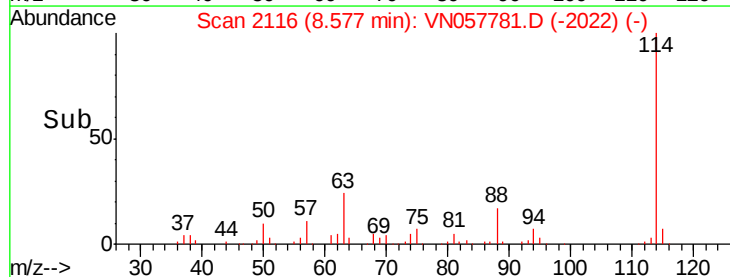
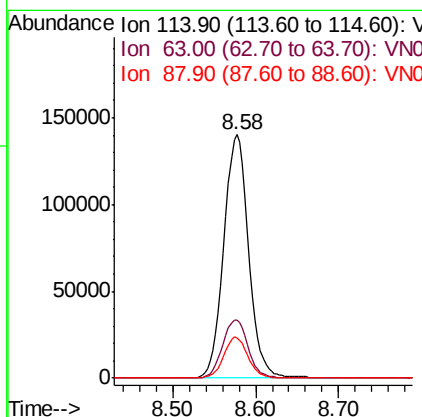
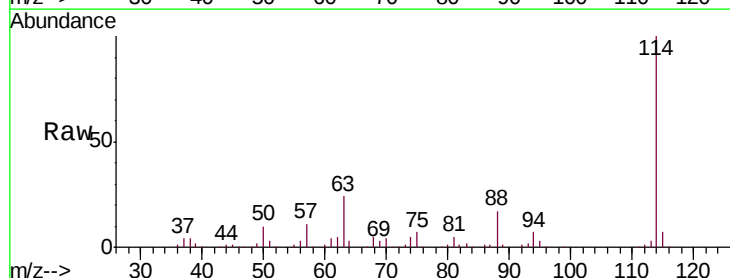
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 T12-F1-(0)

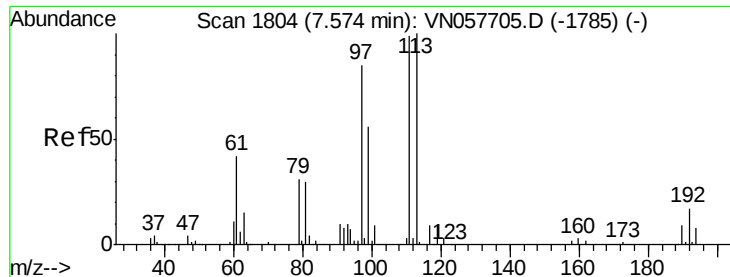
Tgt Ion: 65 Resp: 228548
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

Tgt Ion: 114 Resp: 291626
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 52.4
 88 16.5 0.0 35.4

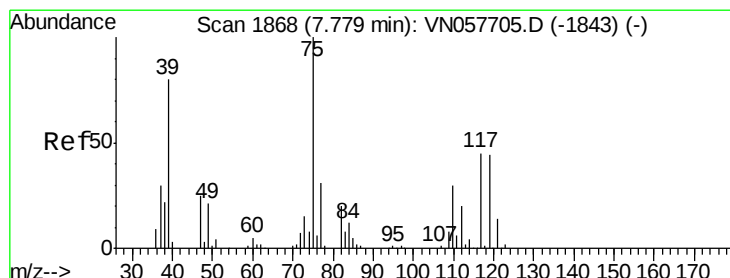
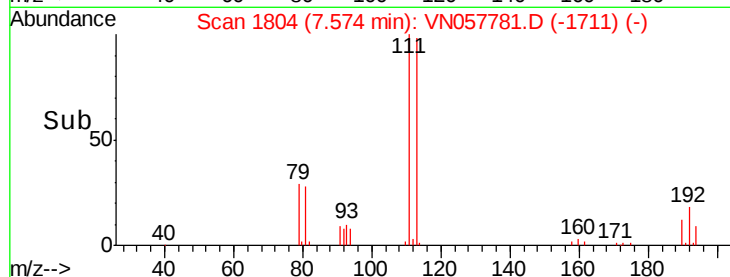
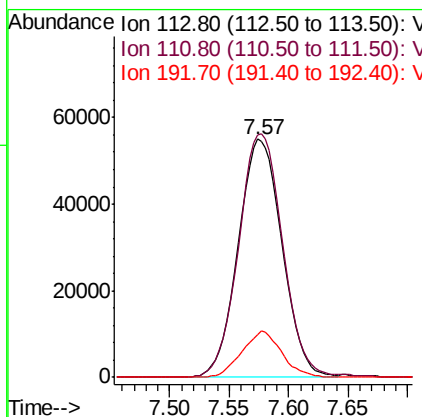
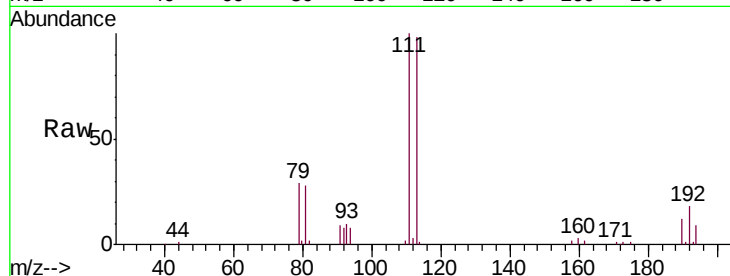




#35
 Dibromofluoromethane
 Concen: 52.874 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

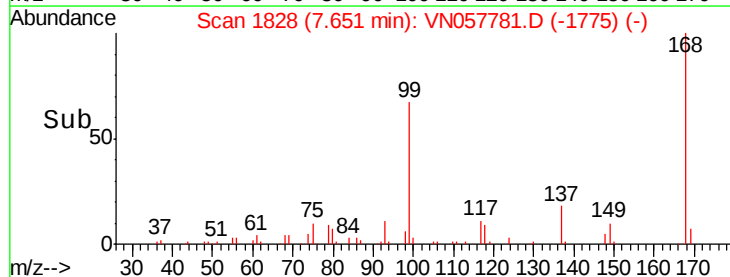
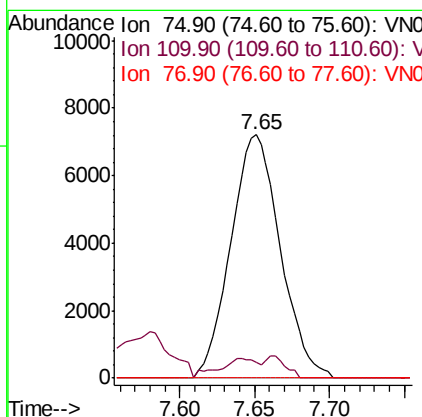
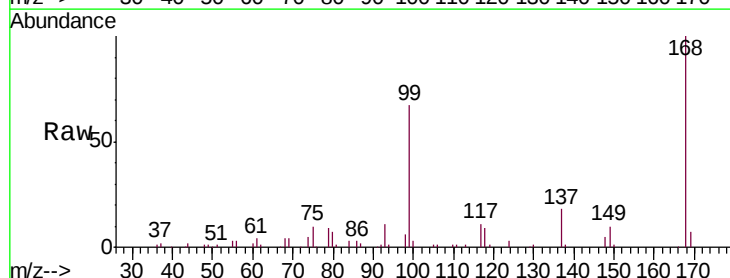
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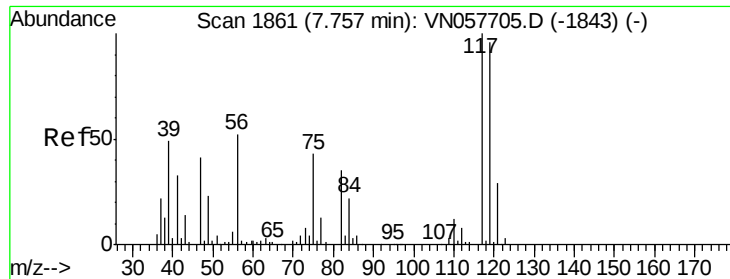
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.7	124.1
192	17.7	13.8	20.6



#36
 1,1-Dichloropropene
 Concen: 4.272 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	5.7	15.0	45.0#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 4.884 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.10 min

Lab File: VN057781.D

Acq: 8 Sep 2019 2:29

Instrument :

MSVOA_N

ClientSampleId :

T12-F1-(0)

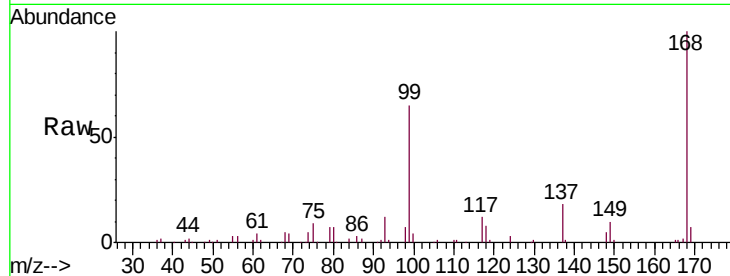
Tgt Ion:117 Resp: 18144

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

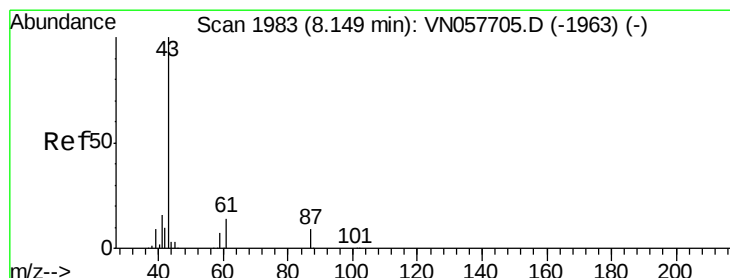
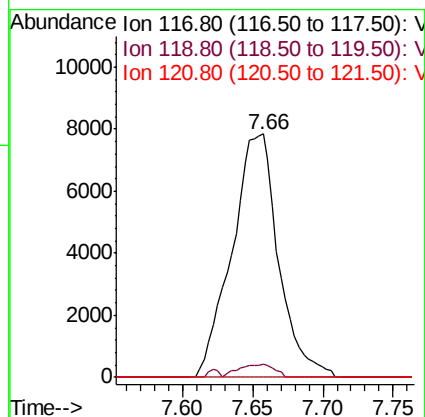
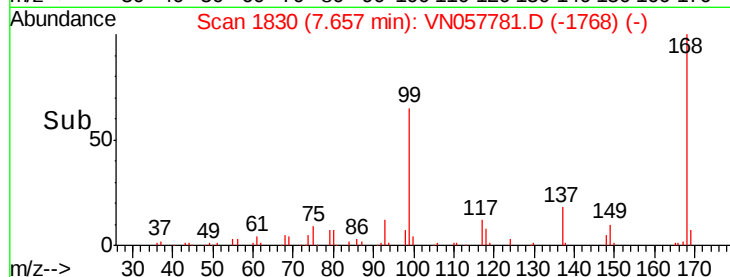
121 0.0 23.4 35.2#



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: 6.151 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057781.D

Acq: 8 Sep 2019 2:29

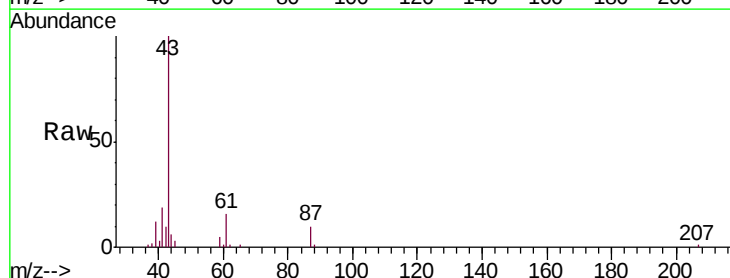
Tgt Ion: 43 Resp: 45473

Ion Ratio Lower Upper

43 100

61 15.3 12.8 19.2

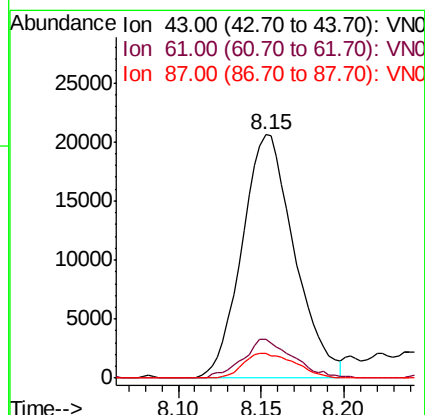
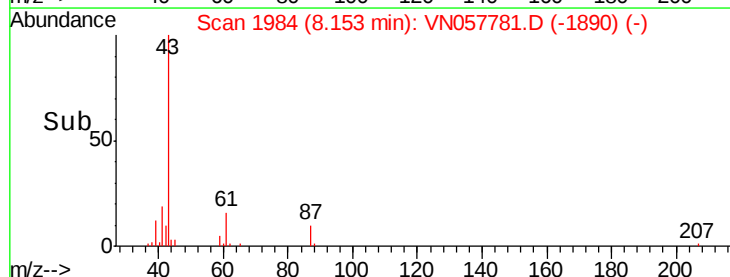
87 10.0 7.8 11.8

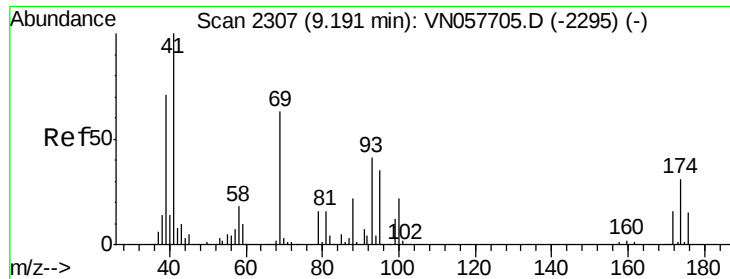


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

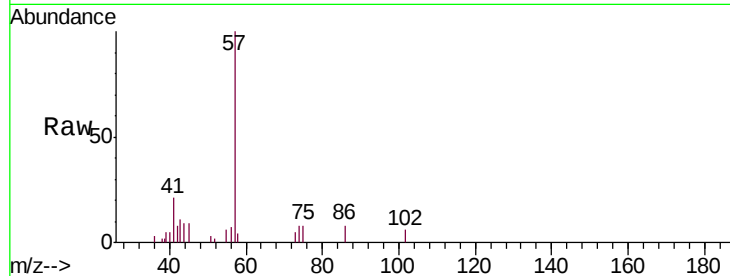




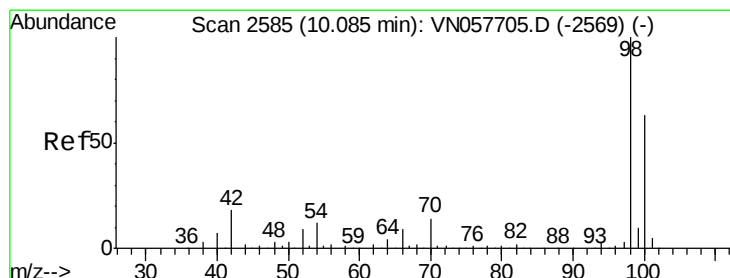
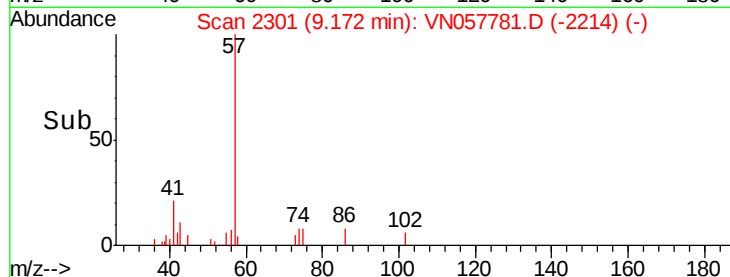
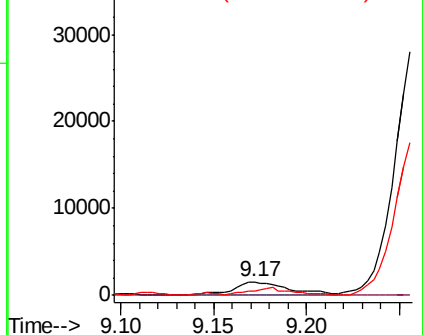
#48
Methyl methacrylate
Concen: 0.876 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

Instrument :
MSVOA_N
ClientSampleId :
T12-F1-(0)

Tgt Ion: 41 Resp: 3330
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 41.1 57.3 85.9#

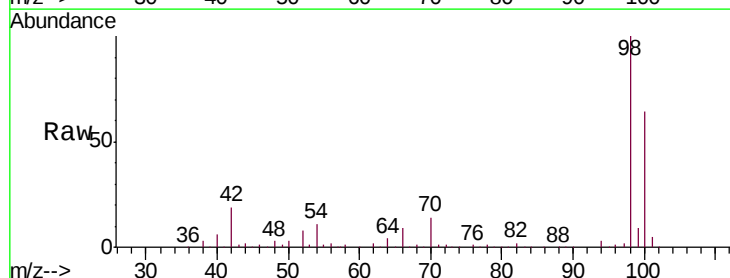


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

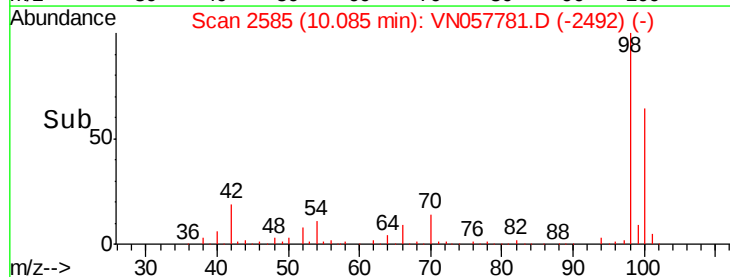
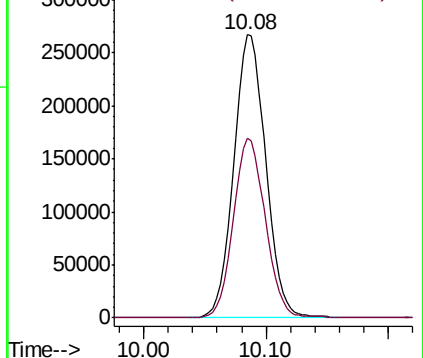


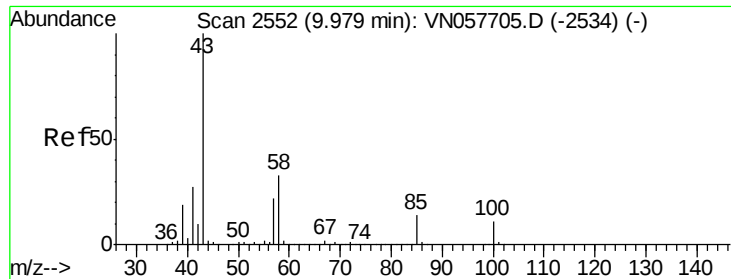
#50
Toluene-d8
Concen: 49.450 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

Tgt Ion: 98 Resp: 485904
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

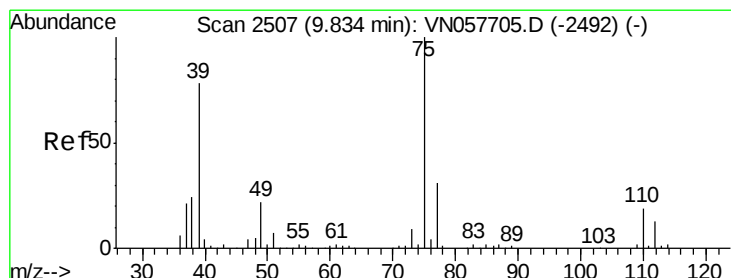
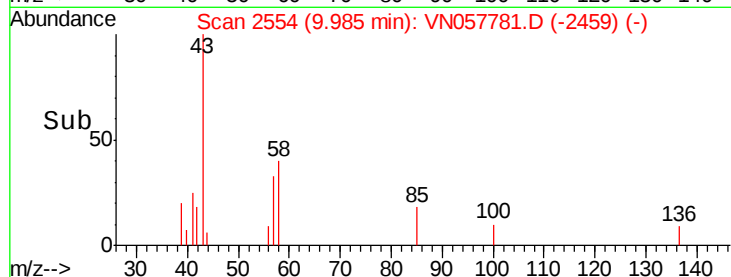
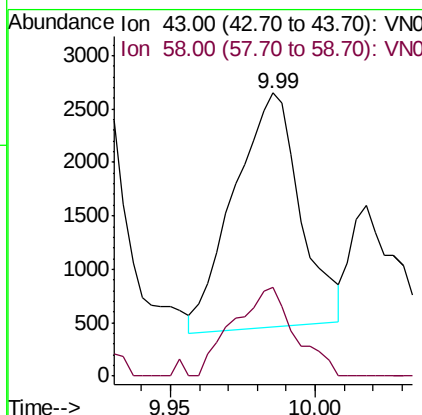
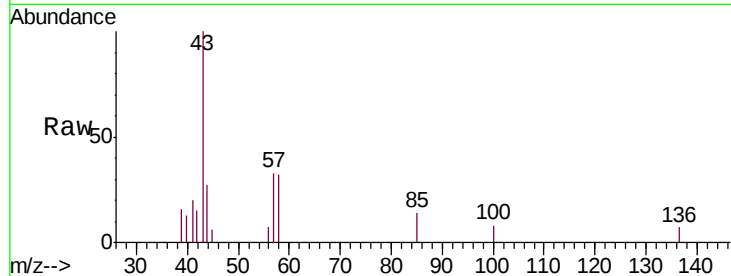




#51
 4-Methyl-2-Pentanone
 Concen: 0.846 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.01 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

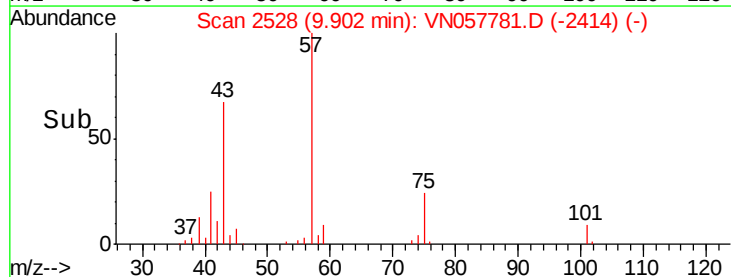
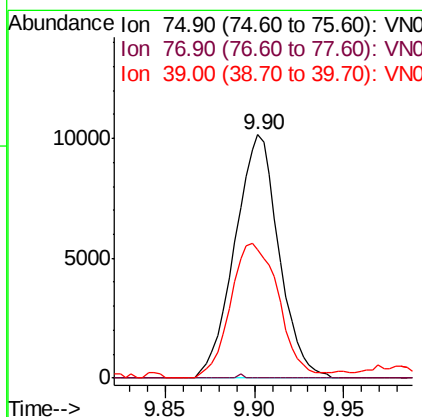
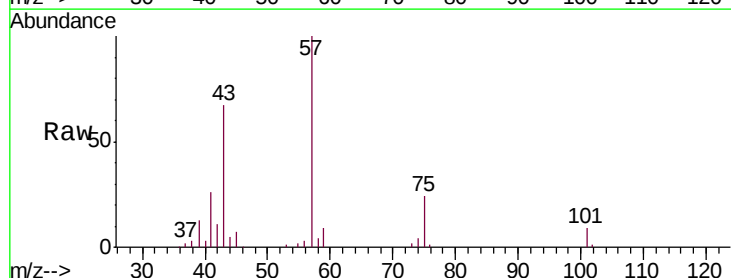
Instrument :
 MSVOA_N
 ClientSampled :
 T12-F1-(0)

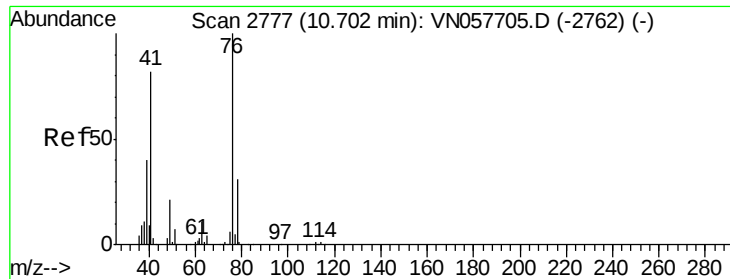
Tgt Ion: 43 Resp: 3474
 Ion Ratio Lower Upper
 43 100
 58 35.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 3.867 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

Tgt Ion: 75 Resp: 17537
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 50.8 62.4 93.6#

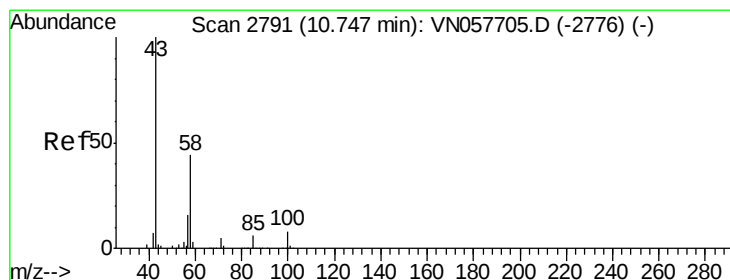
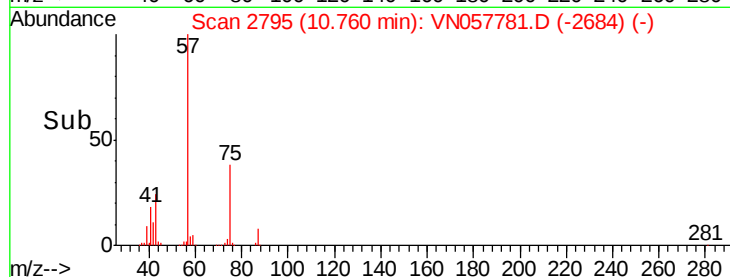
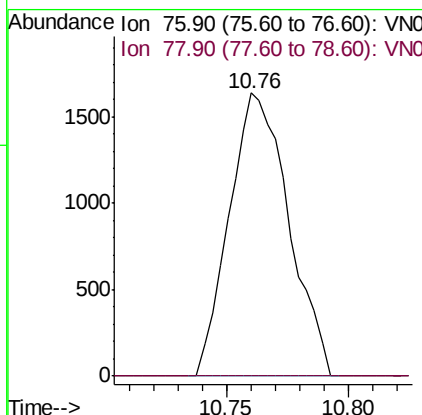
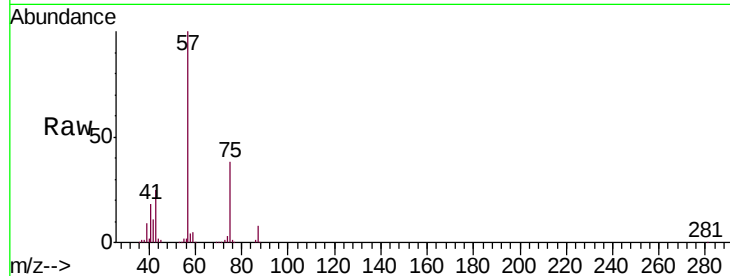




#57
 1,3-Dichloropropane
 Concen: 0.574 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

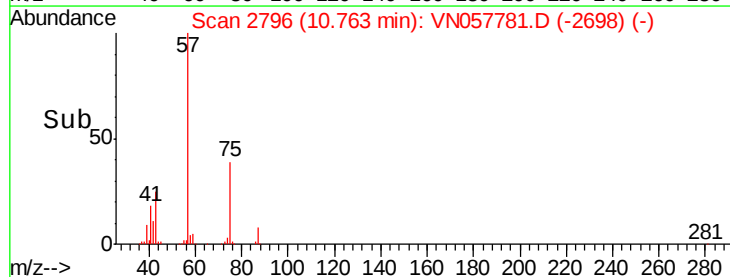
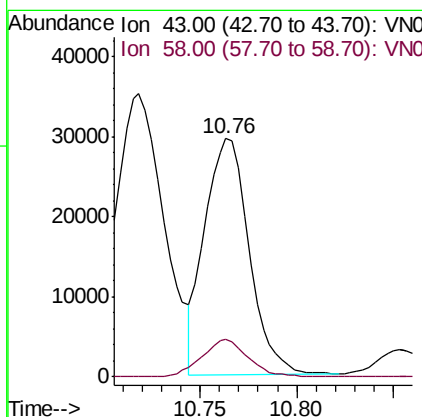
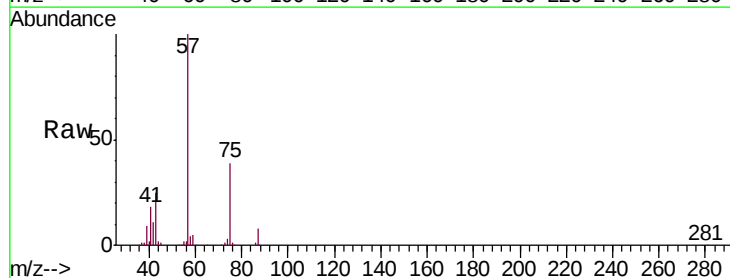
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-F1-(0)

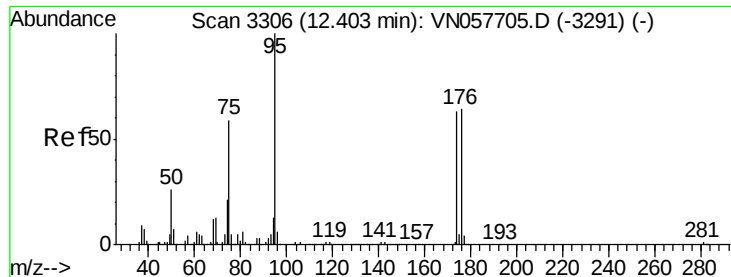
Tgt Ion: 76 Resp: 2759
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 16.289 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057781.D
 Acq: 8 Sep 2019 2:29

Tgt Ion: 43 Resp: 47161
 Ion Ratio Lower Upper
 43 100
 58 16.5 22.1 66.5#

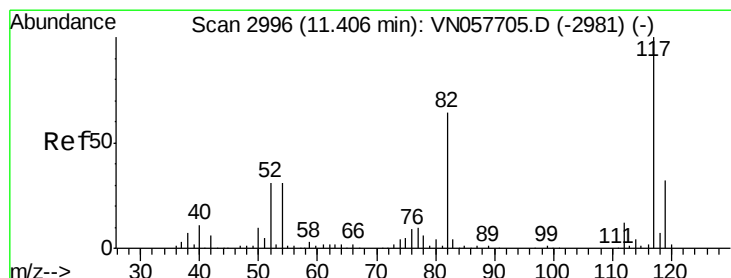
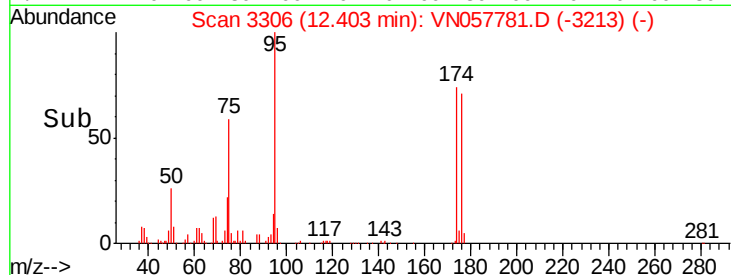
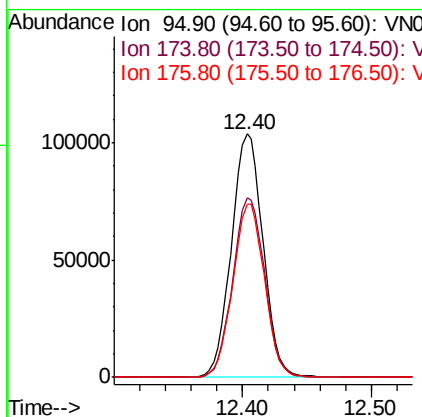
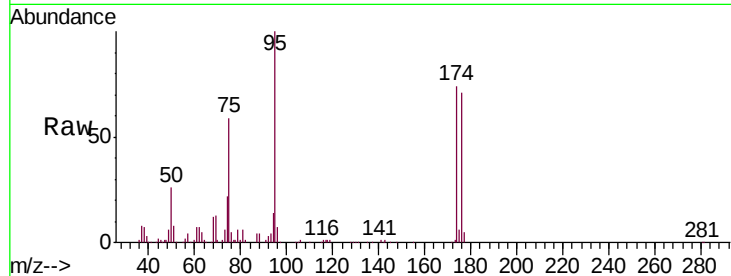




#62
4-Bromofluorobenzene
Concen: 43.305 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

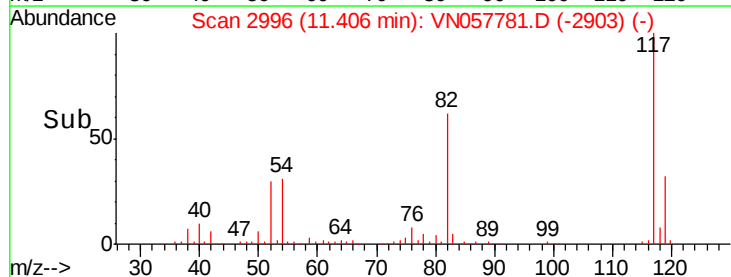
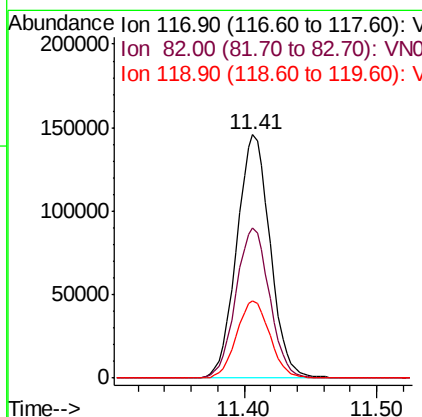
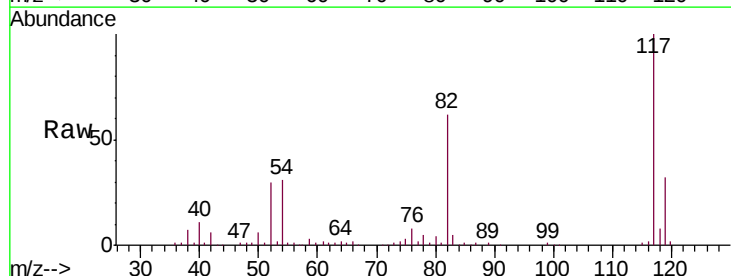
Instrument :
MSVOA_N
ClientSampled :
T12-F1-(0)

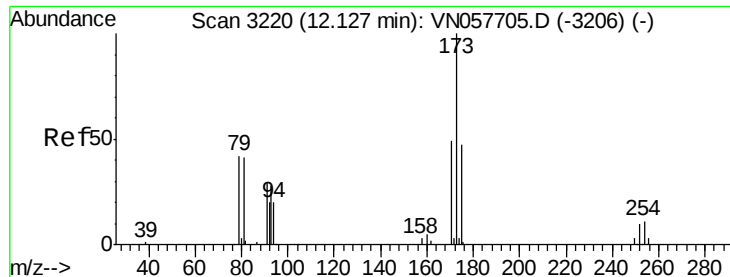
Tgt Ion: 95 Resp: 176742
Ion Ratio Lower Upper
95 100
174 74.4 0.0 128.0
176 71.3 0.0 128.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

Tgt Ion: 117 Resp: 254898
Ion Ratio Lower Upper
117 100
82 61.7 51.4 77.0
119 31.8 25.4 38.2

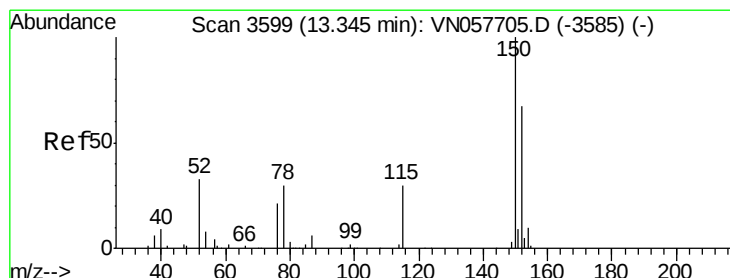
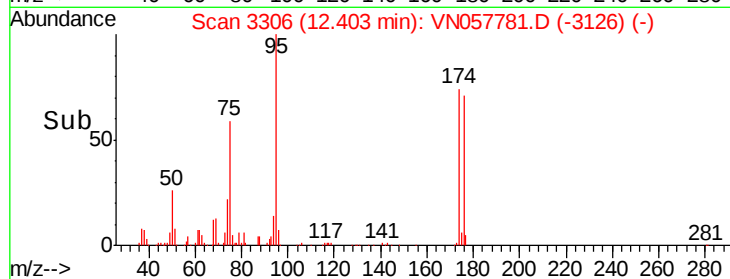
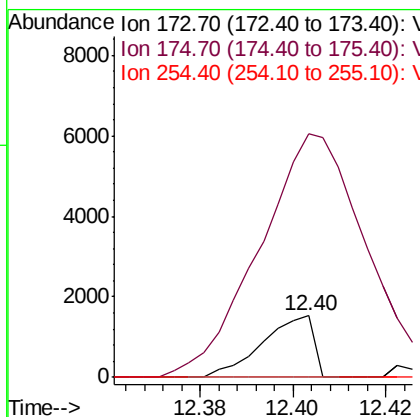
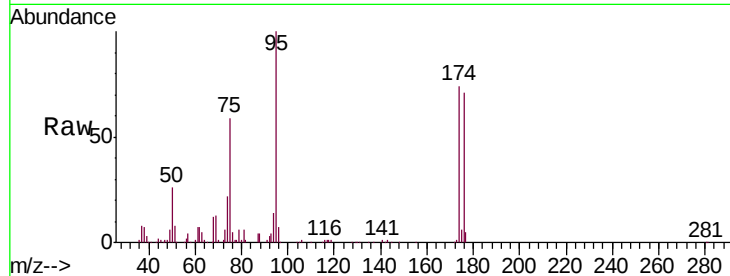




#71
Bromoform
Concen: 3.879 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

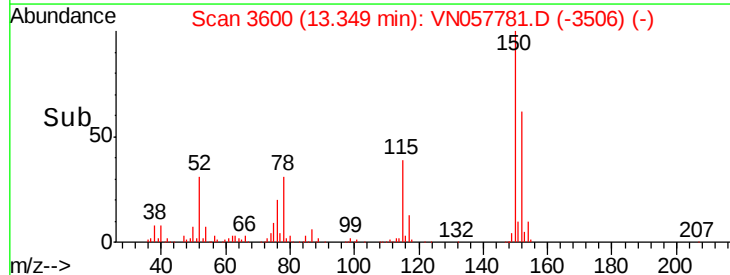
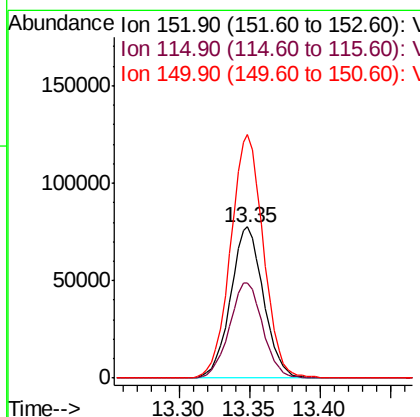
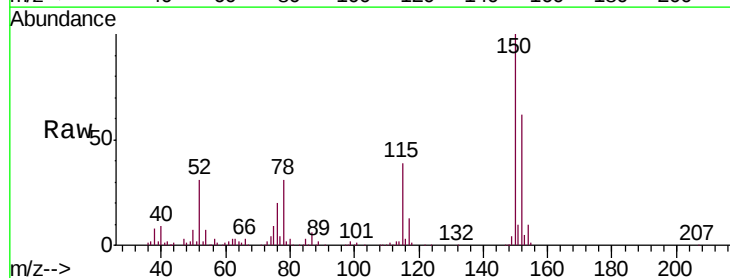
Instrument :
MSVOA_N
ClientSampled :
T12-F1-(0)

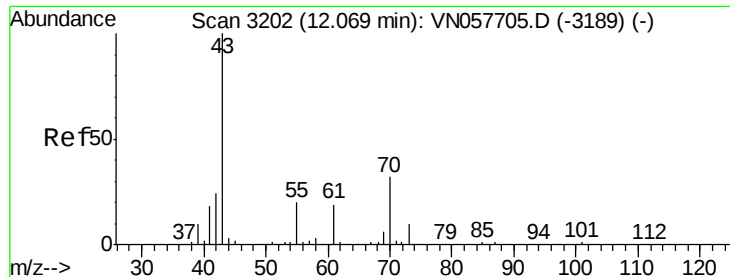
Tgt Ion:173 Resp: 1178
Ion Ratio Lower Upper
173 100
175 678.3 24.6 73.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

Tgt Ion:152 Resp: 126621
Ion Ratio Lower Upper
152 100
115 63.8 33.8 101.3
150 160.8 0.0 345.4

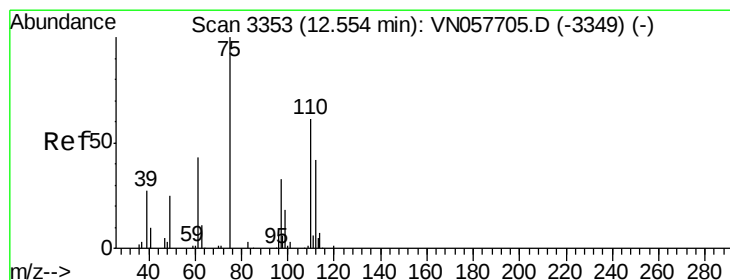
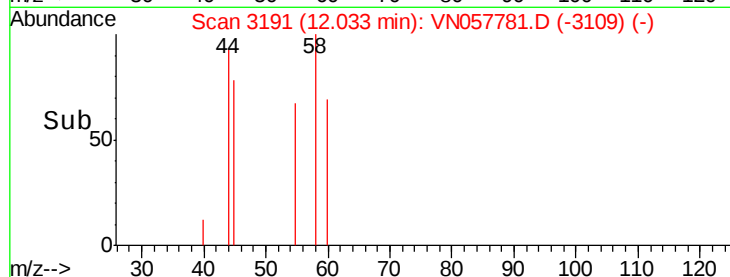
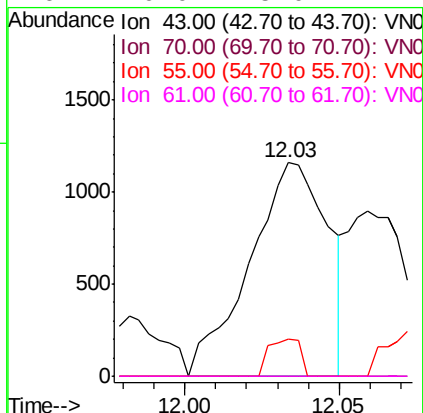
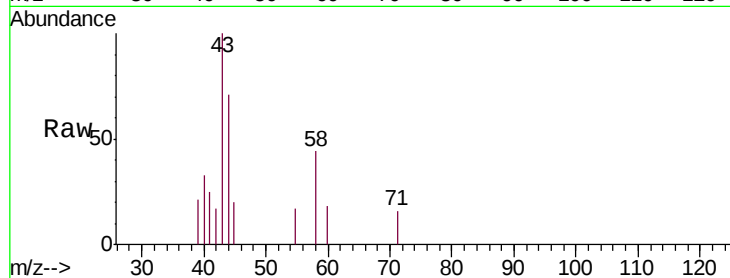




#74
N-ethyl acetate
Concen: 0.362 ug/l
RT: 12.03 min Scan# 3191
Delta R.T. -0.04 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

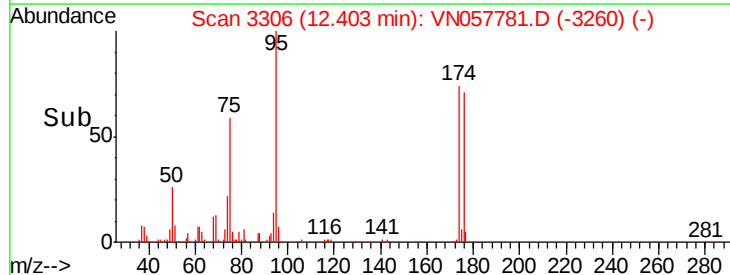
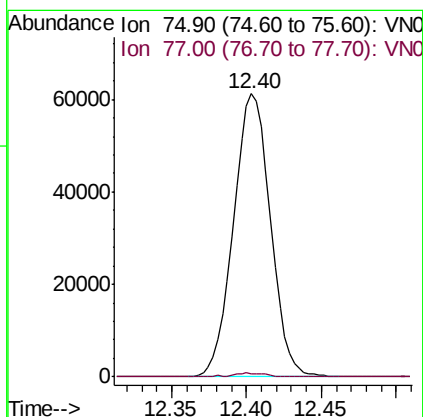
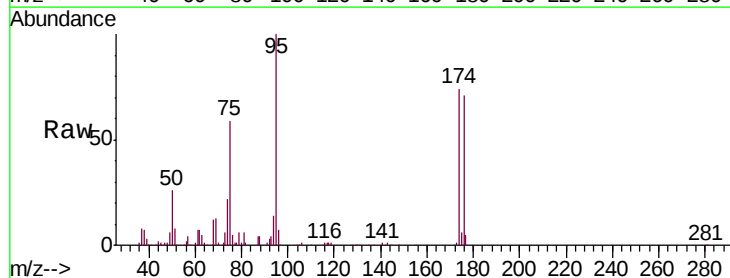
Instrument :
MSVOA_N
ClientSampleId :
T12-F1-(0)

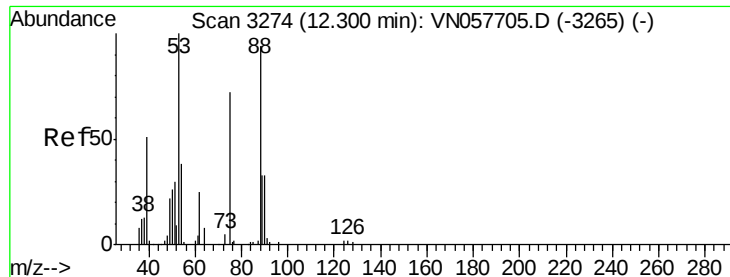
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
70 0.0 26.1 39.1#
55 7.1 16.3 24.5#
61 0.0 15.0 22.4#



#76
1,2,3-Trichloropropane
Concen: 36.247 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN057781.D
Acq: 8 Sep 2019 2:29

Tgt Ion: 75 Resp: 105395
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 112.728 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057781.D

Acq: 8 Sep 2019 2:29

Instrument :

MSVOA_N

ClientSampleId :

T12-F1-(0)

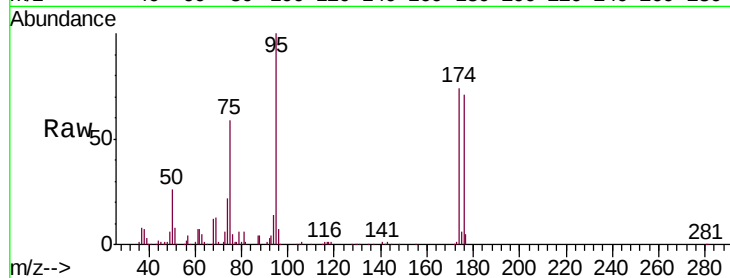
Tgt Ion: 75 Resp: 105395

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#



Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

