

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057728.D
 Acq On : 6 Sep 2019 21:11
 Operator : JC/SP
 Sample : K4580-27
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B4-(0)

Quant Time: Sep 06 23:28:07 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	191791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	322273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	299840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	152499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	260599	55.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.70%	
35) Dibromofluoromethane	7.58	113	154655	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	10.09	98	572387	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.40	95	211398	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	

Target Compounds

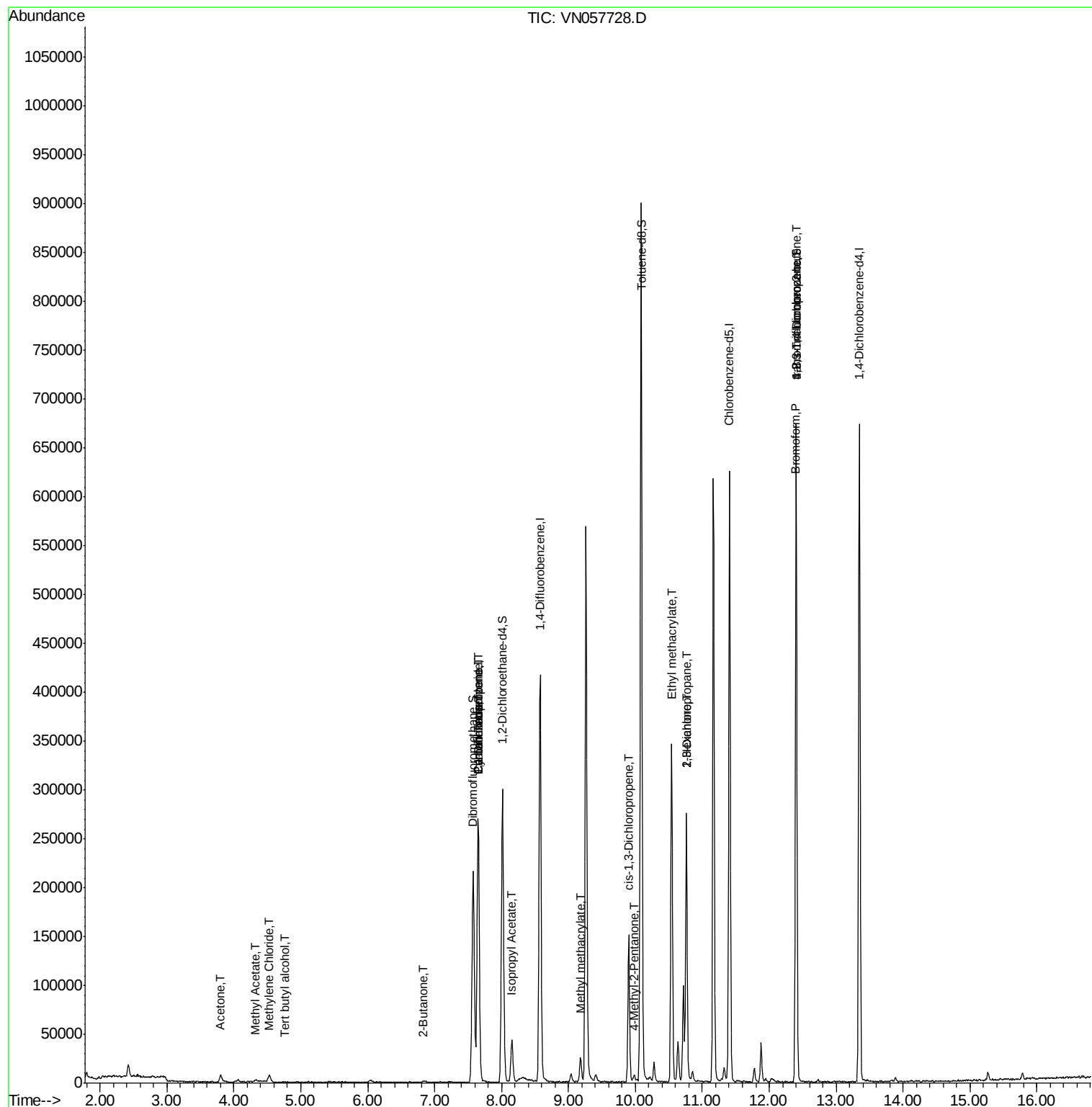
	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	913	Below Cal	#	76
11) Tert butyl alcohol	4.76	59	163	0.307	ug/l #	71
16) Acetone	3.80	43	10819	7.535	ug/l	97
18) Methyl Acetate	4.31	43	1848	0.473	ug/l #	82
20) Methylene Chloride	4.53	84	2668	0.859	ug/l	84
25) 2-Butanone	6.83	43	1709	0.831	ug/l #	55
31) Cyclohexane	7.65	56	6723	1.284	ug/l #	48
36) 1,1-Dichloropropene	7.65	75	19485	4.545	ug/l #	52
38) Carbon Tetrachloride	7.65	117	21021	5.121	ug/l #	19
43) Isopropyl Acetate	8.16	43	53094	6.499	ug/l	100
48) Methyl methacrylate	9.17	41	4366	1.039	ug/l #	37
51) 4-Methyl-2-Pentanone	9.98	43	5316	1.172	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	22613	4.512	ug/l #	64
56) Ethyl methacrylate	10.54	69	1224	0.259	ug/l #	1
57) 1,3-Dichloropropane	10.77	76	2264	0.426	ug/l #	43
59) 2-Hexanone	10.76	43	49119	15.352	ug/l #	58
71) Bromoform	12.39	173	218	3.342	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	125217	35.756	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	125217	111.203	ug/l #	1

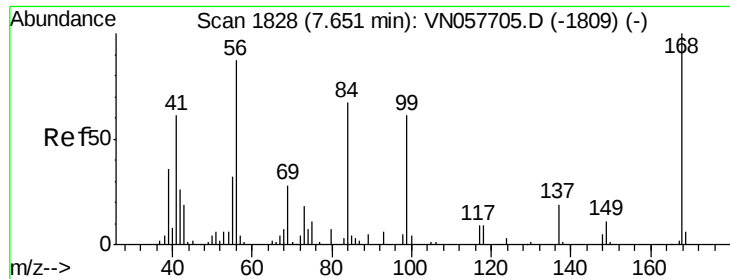
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057728.D

Acq: 6 Sep 2019 21:11

Instrument :

MSVOA_N

ClientSampleId :

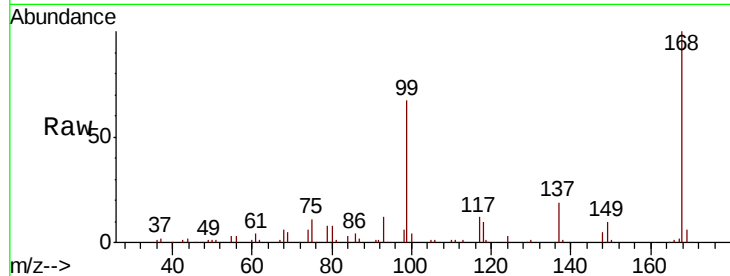
T12-B4-(0)

Tgt Ion:168 Resp: 191791

Ion Ratio Lower Upper

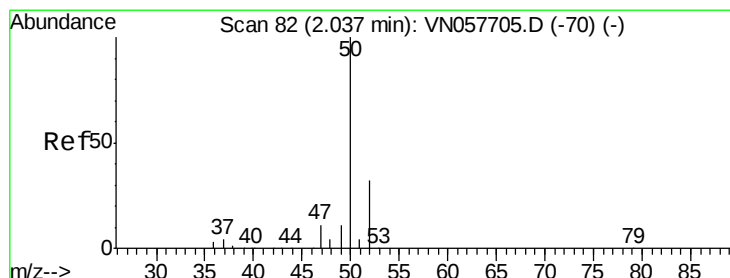
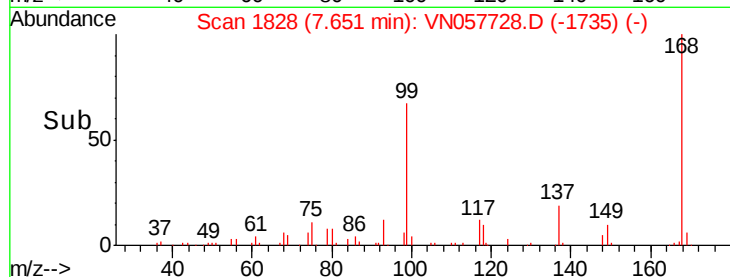
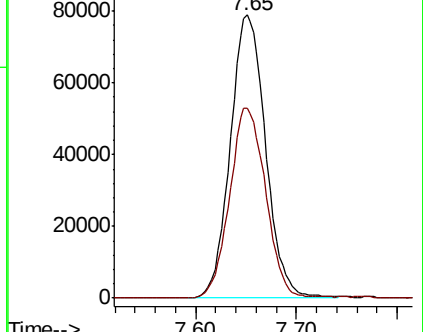
168 100

99 67.3 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): VN057705.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057705.D (-1809) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057728.D

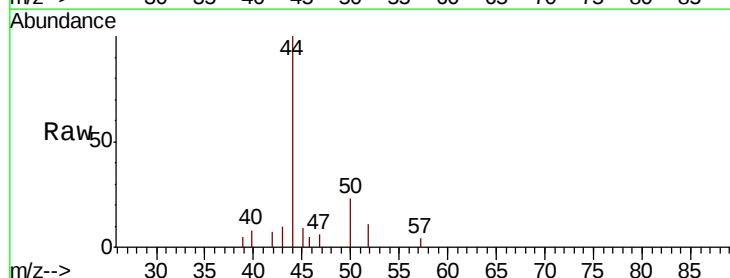
Acq: 6 Sep 2019 21:11

Tgt Ion: 50 Resp: 913

Ion Ratio Lower Upper

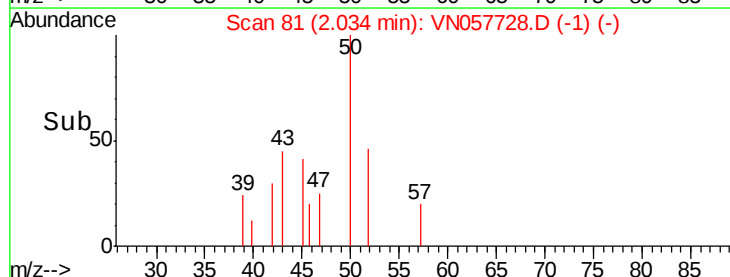
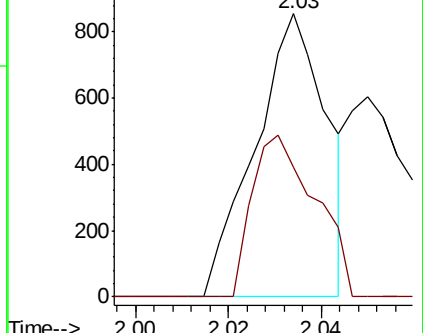
50 100

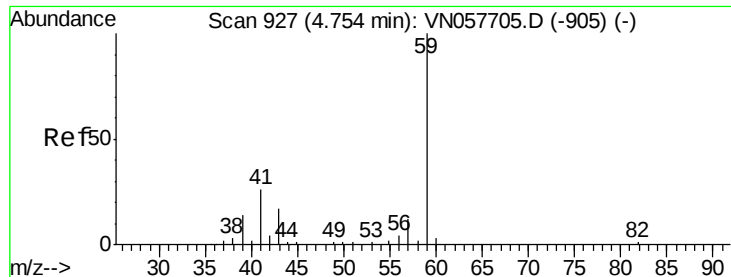
52 46.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN057705.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057705.D (-70) (-)

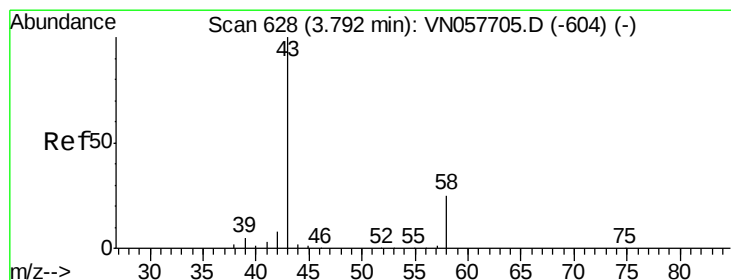
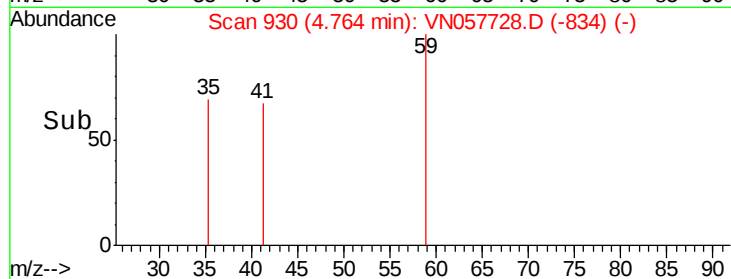
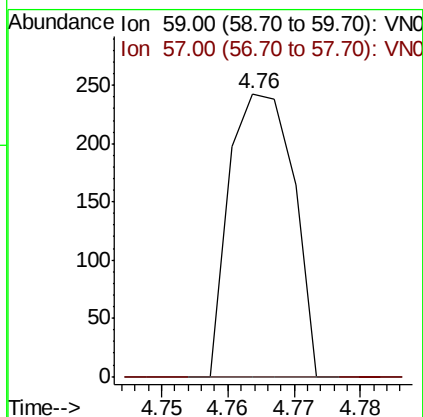
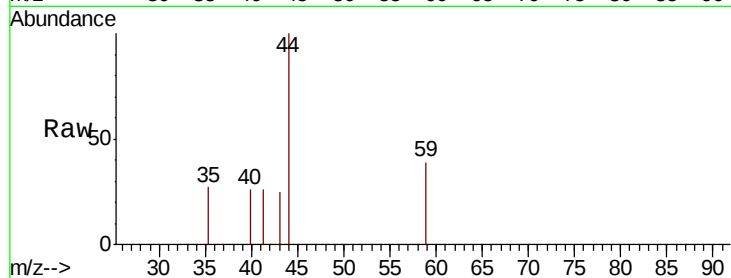




#11
Tert butyl alcohol
Concen: 0.307 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

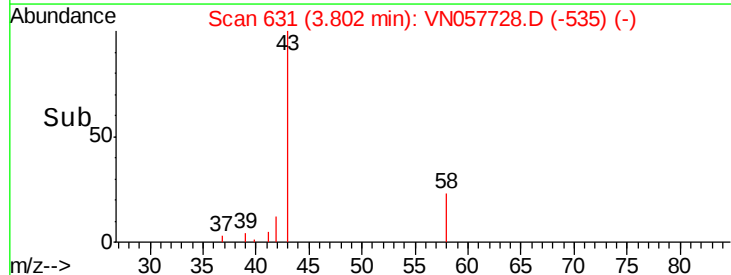
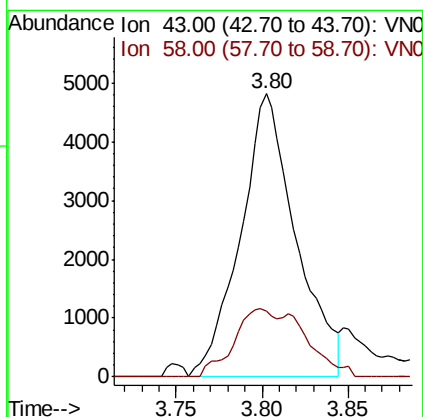
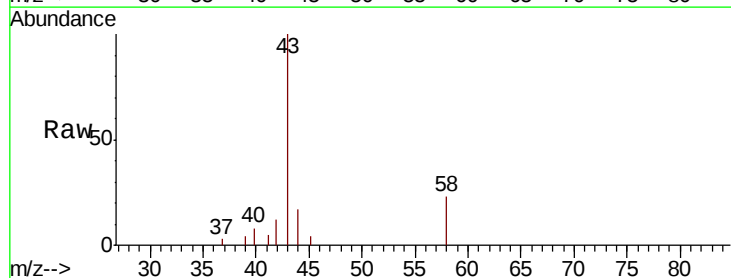
Instrument :
MSVOA_N
ClientSampled :
T12-B4-(0)

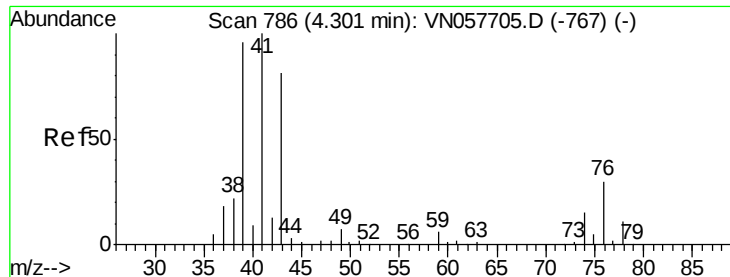
Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 7.535 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

Tgt Ion: 43 Resp: 10819
Ion Ratio Lower Upper
43 100
58 23.4 19.8 29.8

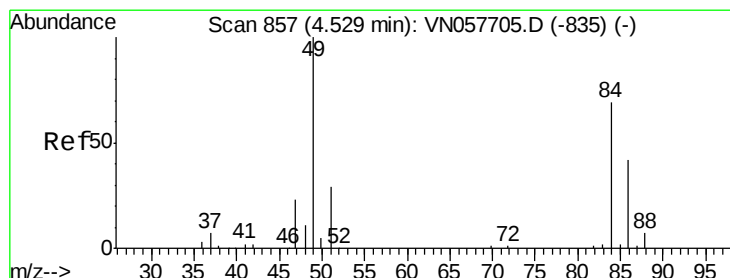
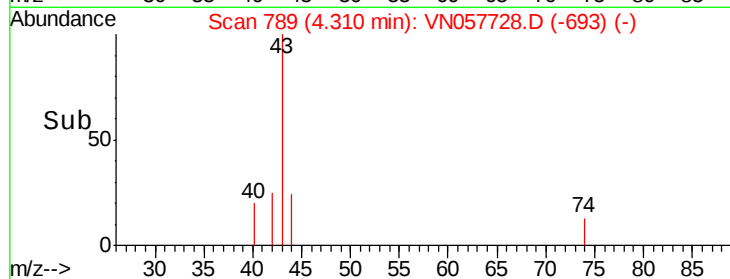
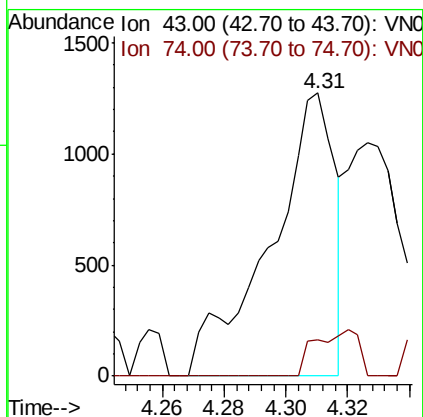
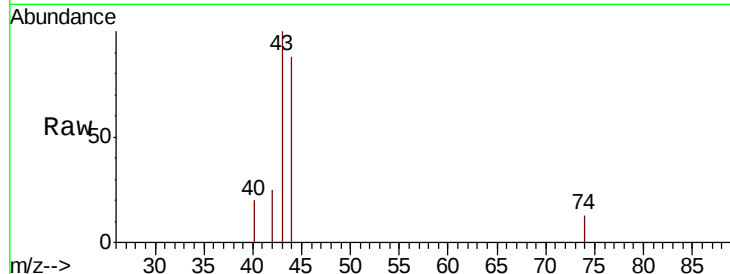




#18
Methyl Acetate
Concen: 0.473 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

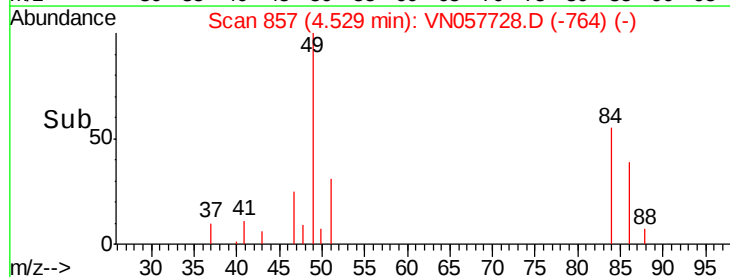
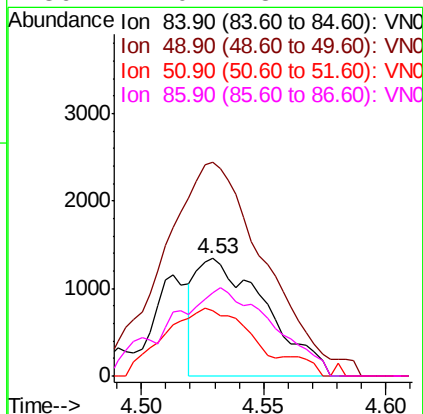
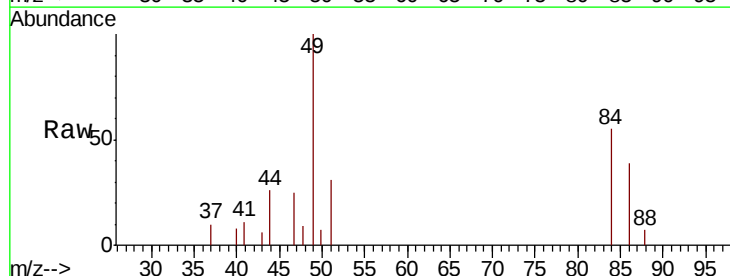
Instrument :
MSVOA_N
ClientSampled :
T12-B4-(0)

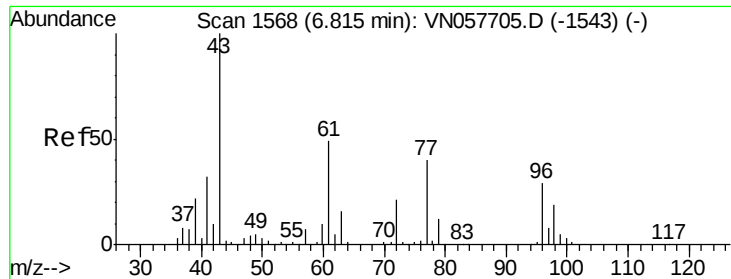
Tgt Ion: 43 Resp: 1848
Ion Ratio Lower Upper
43 100
74 10.9 15.3 22.9#



#20
Methylene Chloride
Concen: 0.859 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

Tgt Ion: 84 Resp: 2668
Ion Ratio Lower Upper
84 100
49 168.3 115.0 172.6
51 44.5 33.8 50.8
86 71.0 48.2 72.2





#25

2-Butanone

Concen: 0.831 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN057728.D

Acq: 6 Sep 2019 21:11

Instrument :

MSVOA_N

ClientSampleId :

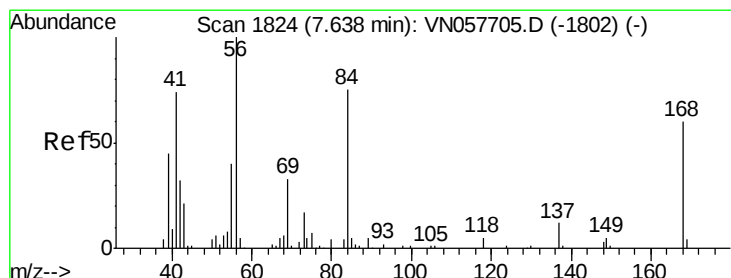
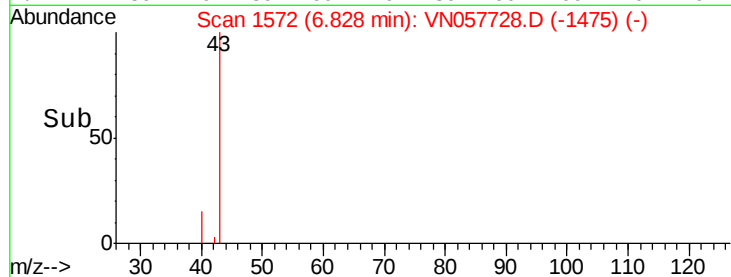
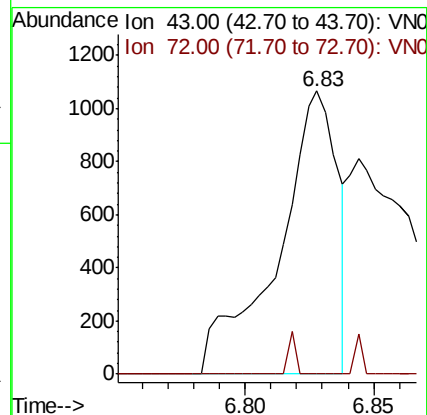
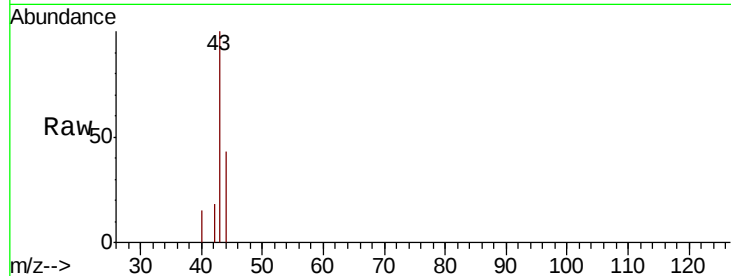
T12-B4-(0)

Tgt Ion: 43 Resp: 1709

Ion Ratio Lower Upper

43 100

72 0.0 17.0 25.6#



#31

Cyclohexane

Concen: 1.284 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057728.D

Acq: 6 Sep 2019 21:11

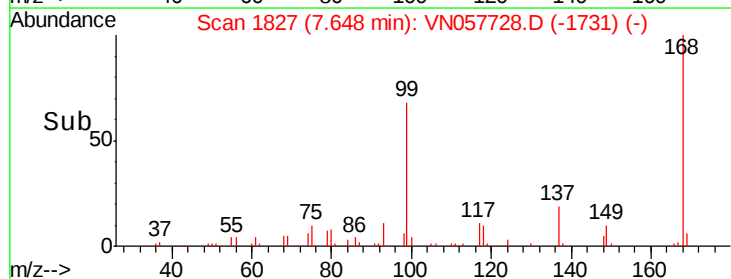
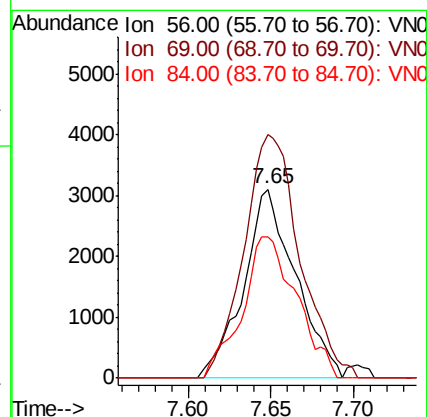
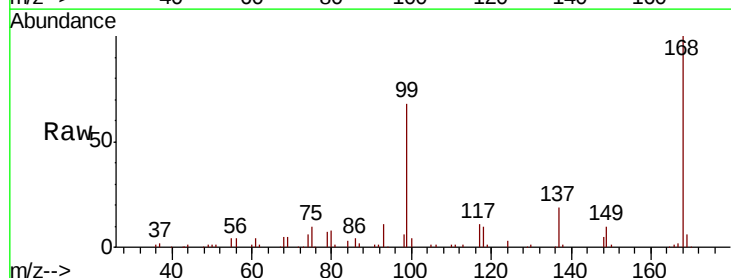
Tgt Ion: 56 Resp: 6723

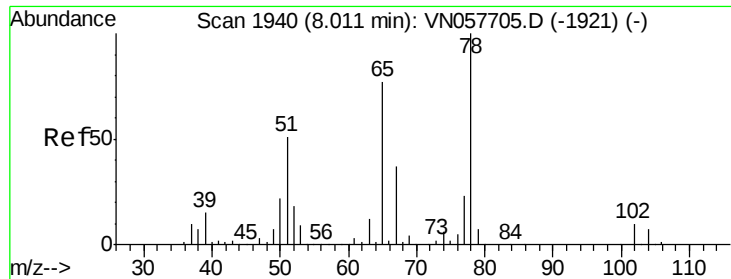
Ion Ratio Lower Upper

56 100

69 129.1 26.2 39.2#

84 75.1 59.8 89.8

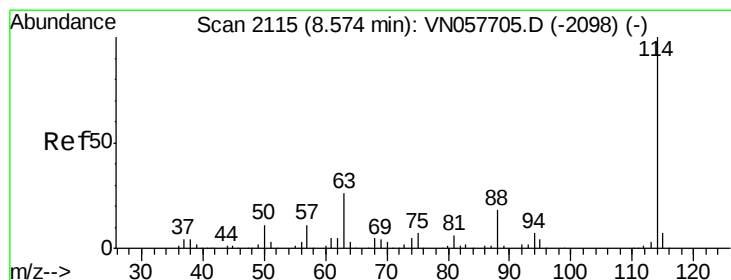
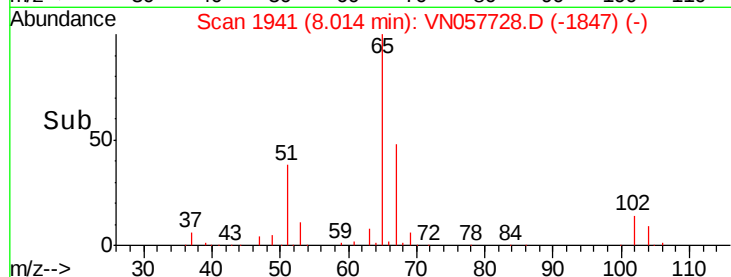
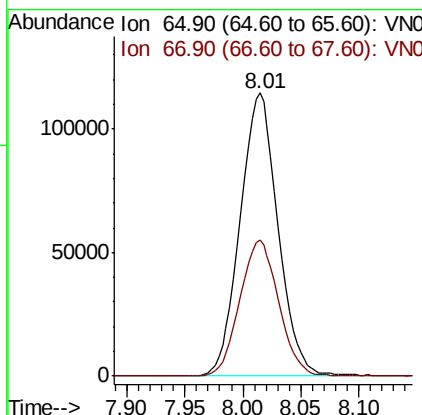
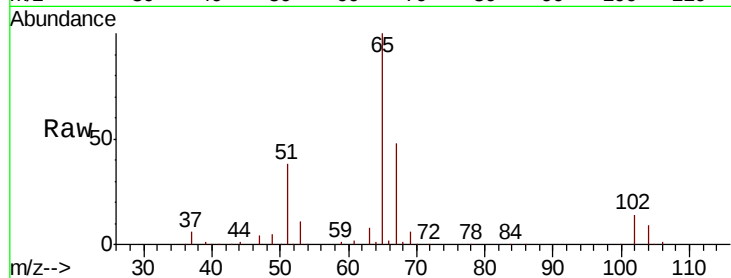




#33
 1,2-Dichloroethane-d4
 Concen: 55.854 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057728.D
 Acq: 6 Sep 2019 21:11

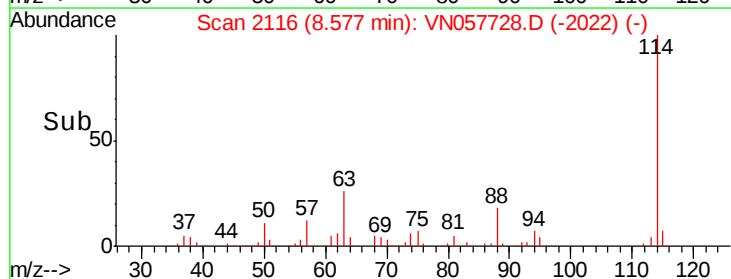
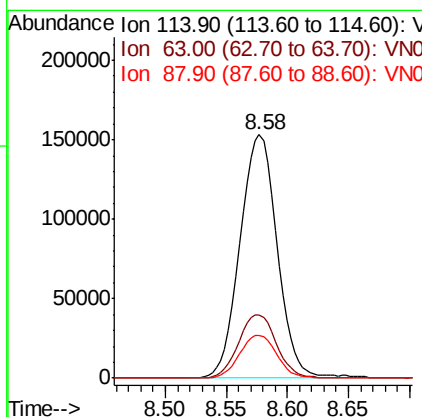
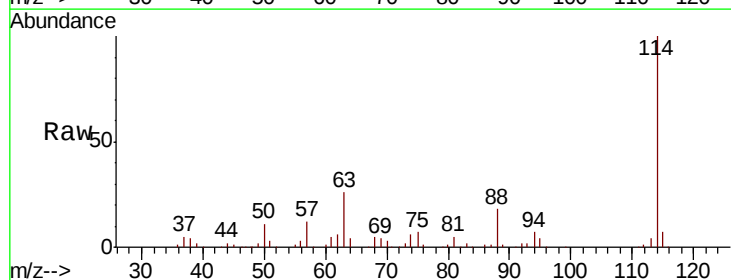
Instrument :
 MSVOA_N
 ClientSampled :
 T12-B4-(0)

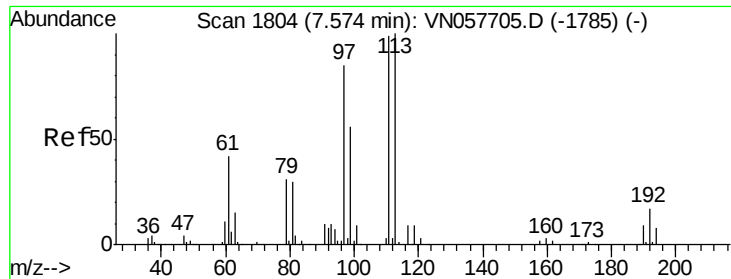
Tgt Ion: 65 Resp: 260599
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057728.D
 Acq: 6 Sep 2019 21:11

Tgt Ion: 114 Resp: 322273
 Ion Ratio Lower Upper
 114 100
 63 26.0 0.0 52.4
 88 17.5 0.0 35.4

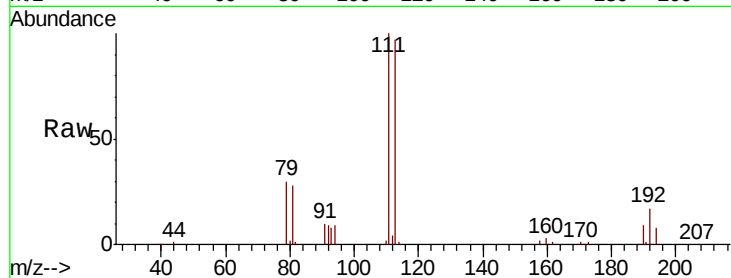




#35
 Dibromofluoromethane
 Concen: 52.686 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057728.D
 Acq: 6 Sep 2019 21:11

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B4-(0)

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.7	124.1
192	18.0	13.8	20.6

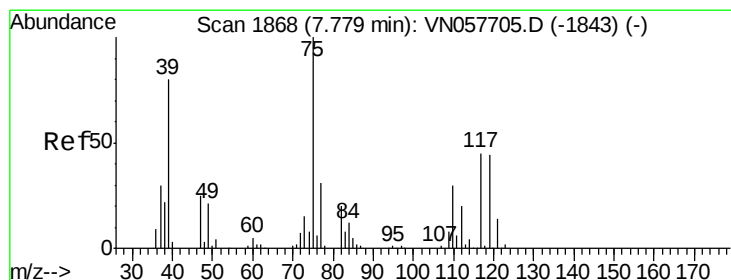
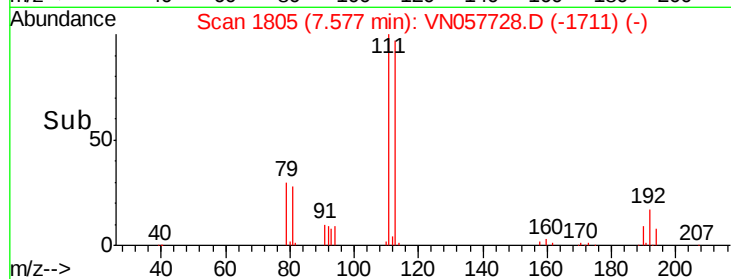
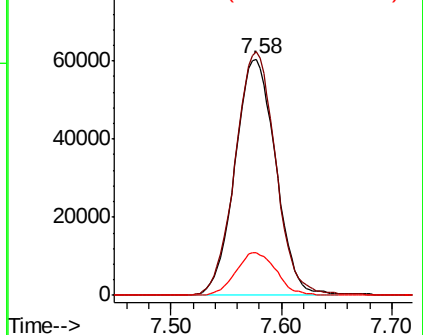


Abundance

Ion 112.80 (112.50 to 113.50): V

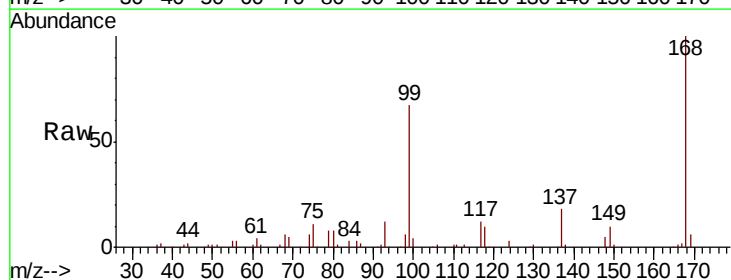
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.545 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN057728.D
 Acq: 6 Sep 2019 21:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.0	45.0#
77	0.0	24.6	37.0#

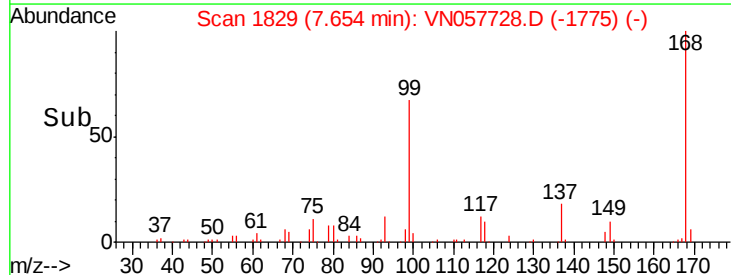
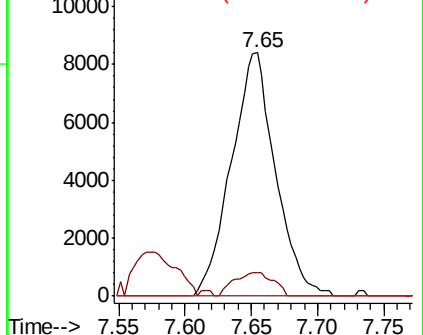


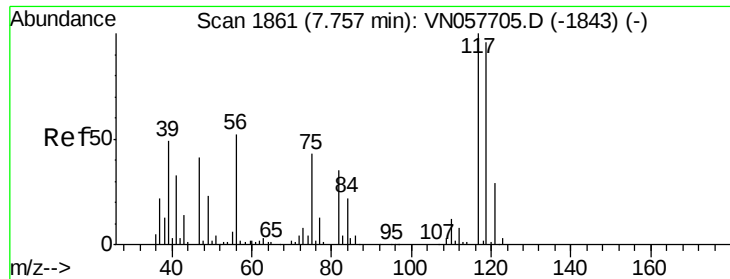
Abundance

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

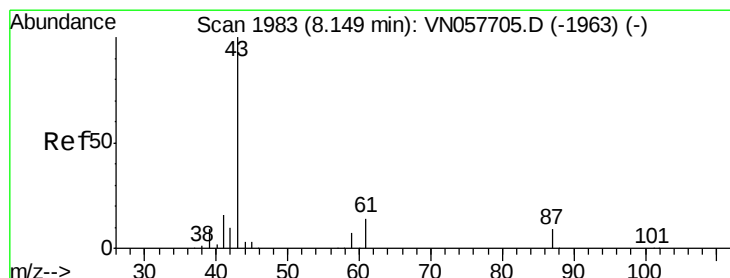
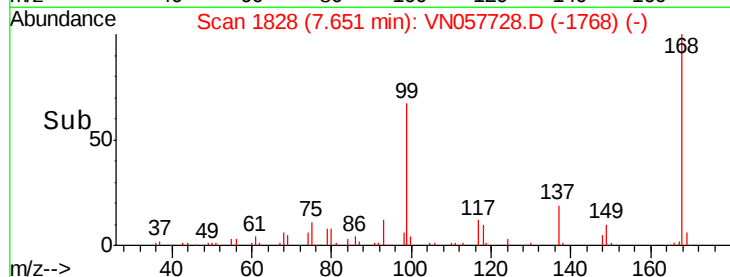
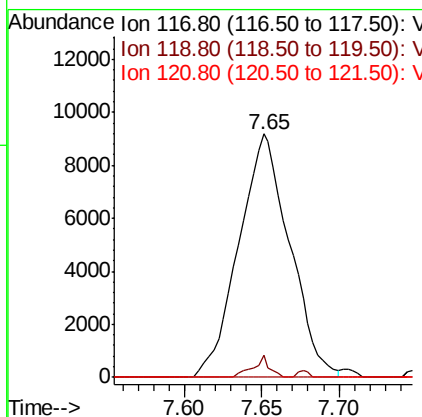
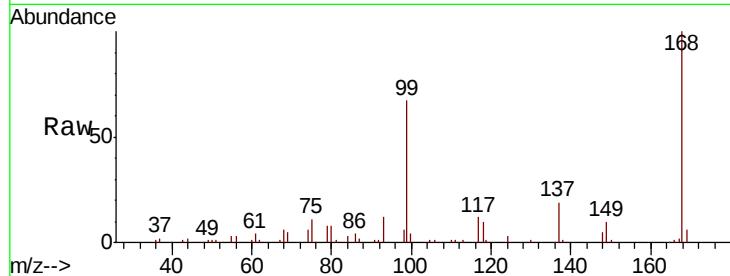




#38
Carbon Tetrachloride
Concen: 5.121 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

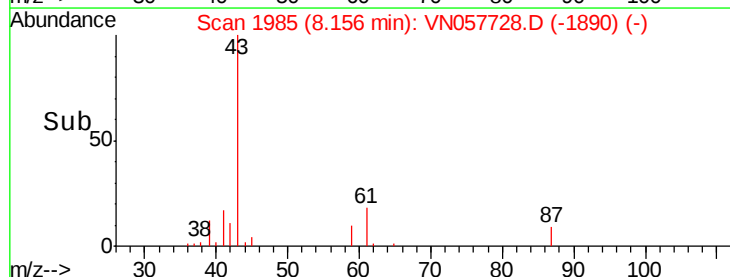
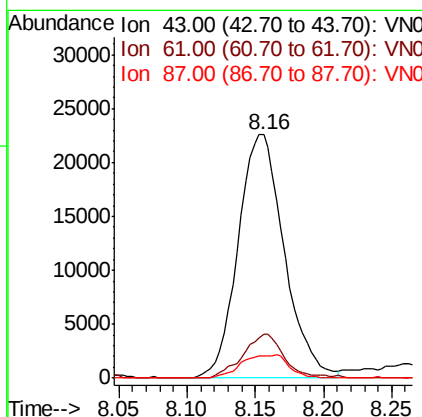
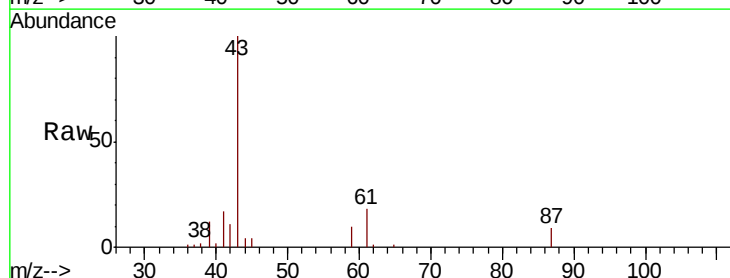
Instrument :
MSVOA_N
ClientSampled :
T12-B4-(0)

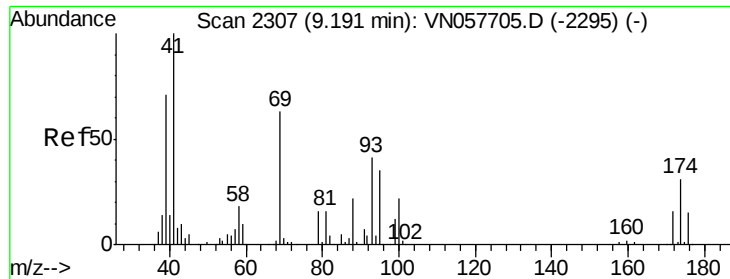
Tgt Ion:117 Resp: 21021
Ion Ratio Lower Upper
117 100
119 8.9 76.1 114.1#
121 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 6.499 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

Tgt Ion: 43 Resp: 53094
Ion Ratio Lower Upper
43 100
61 15.8 12.8 19.2
87 9.7 7.8 11.8

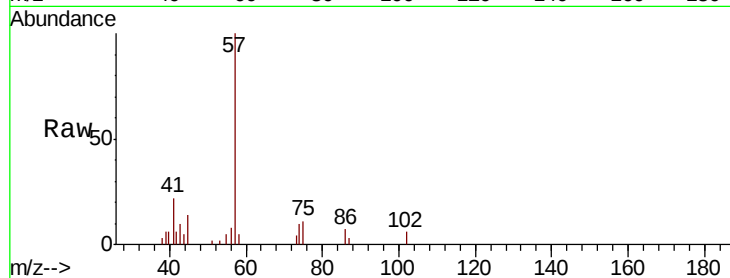




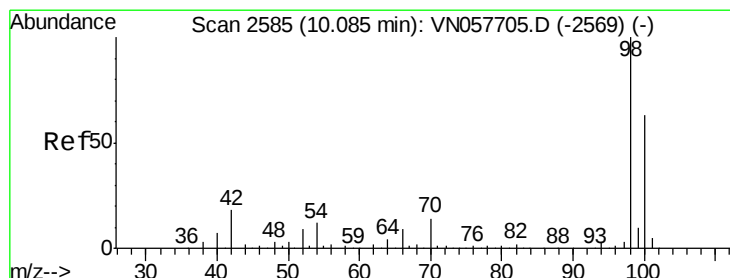
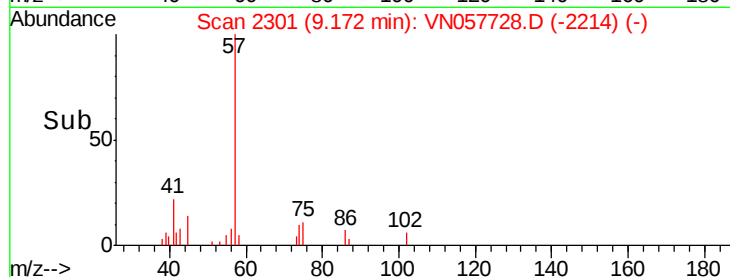
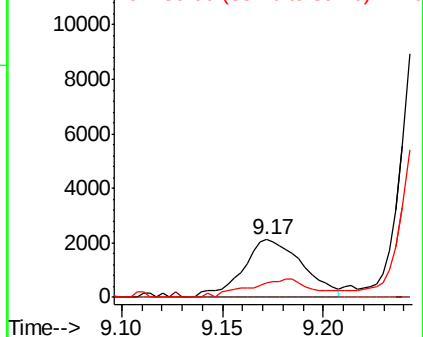
#48
Methyl methacrylate
Concen: 1.039 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

Instrument :
MSVOA_N
ClientSampleId :
T12-B4-(0)

Tgt Ion: 41 Resp: 4366
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 33.6 57.3 85.9#

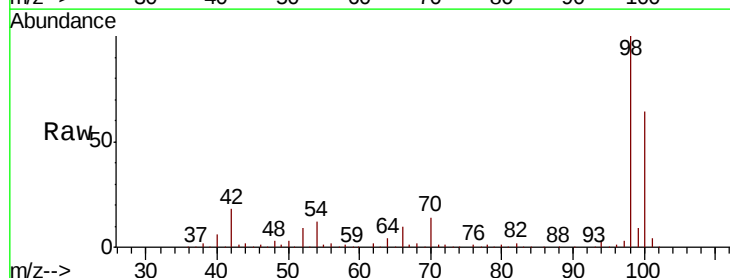


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

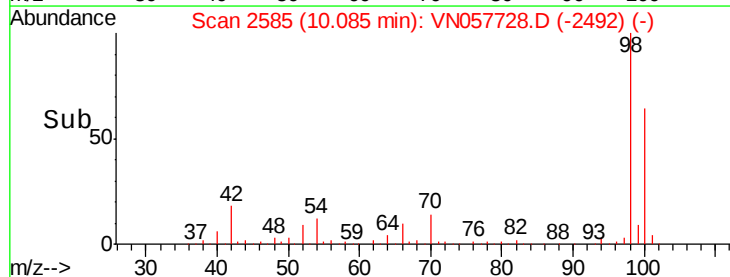
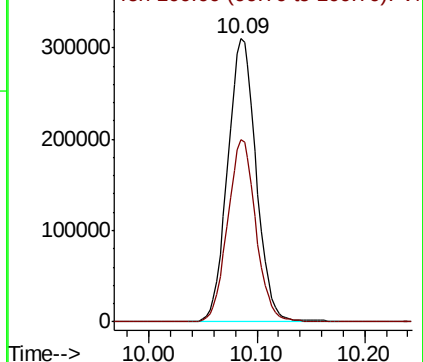


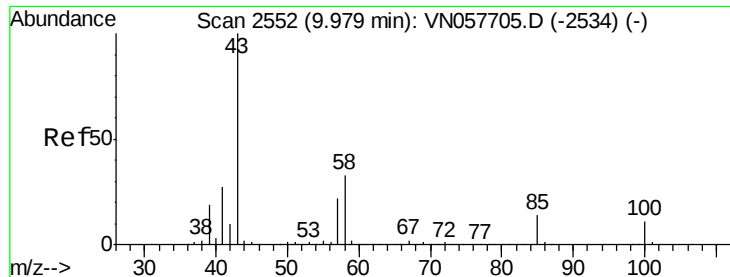
#50
Toluene-d8
Concen: 52.712 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

Tgt Ion: 98 Resp: 572387
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



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

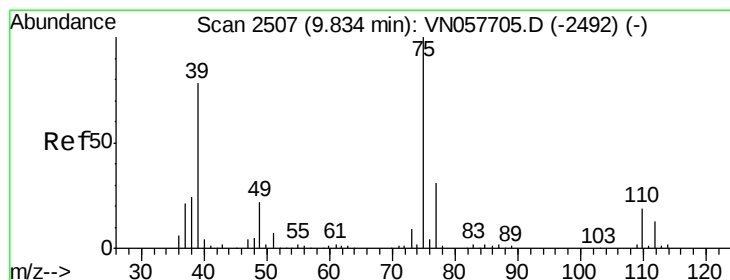
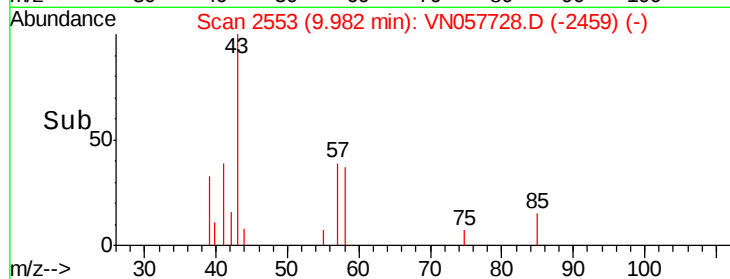
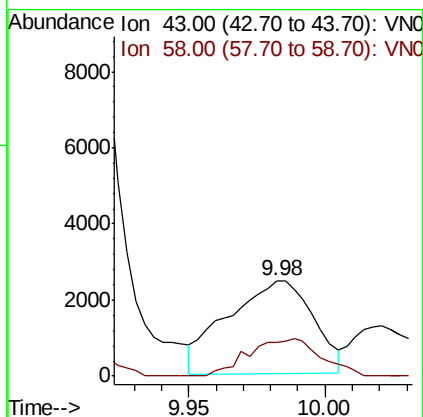
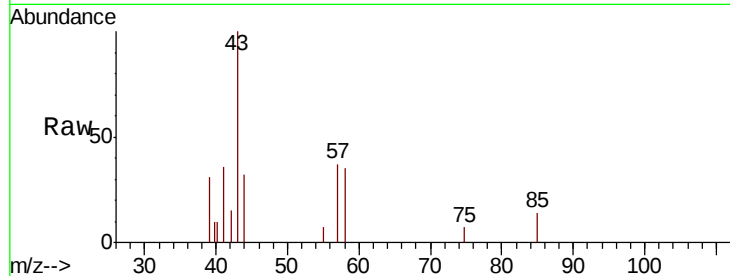




#51
 4-Methyl-2-Pentanone
 Concen: 1.172 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057728.D
 Acq: 6 Sep 2019 21:11

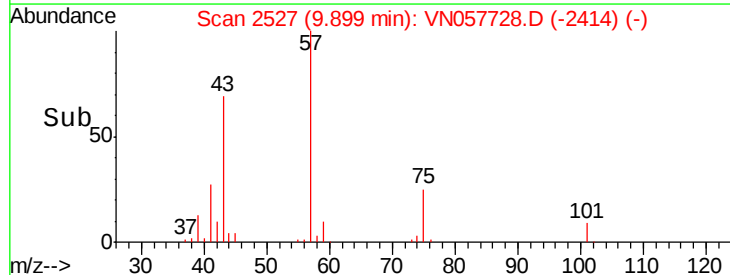
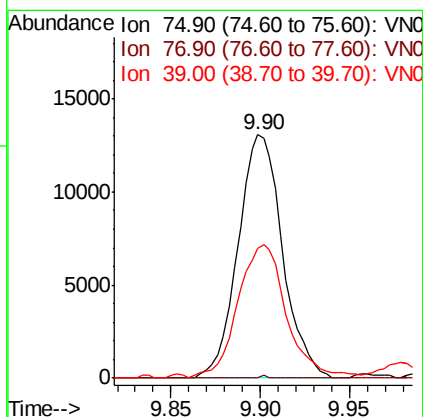
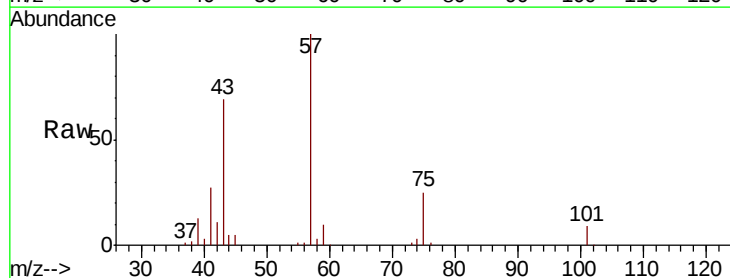
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B4-(0)

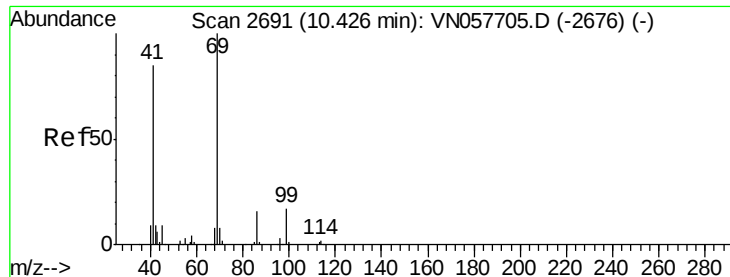
Tgt Ion: 43 Resp: 5316
 Ion Ratio Lower Upper
 43 100
 58 34.5 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.512 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057728.D
 Acq: 6 Sep 2019 21:11

Tgt Ion: 75 Resp: 22613
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 53.4 62.4 93.6#





#56

Ethyl methacrylate

Concen: 0.259 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN057728.D

Acq: 6 Sep 2019 21:11

Instrument :

MSVOA_N

ClientSampleId :

T12-B4-(0)

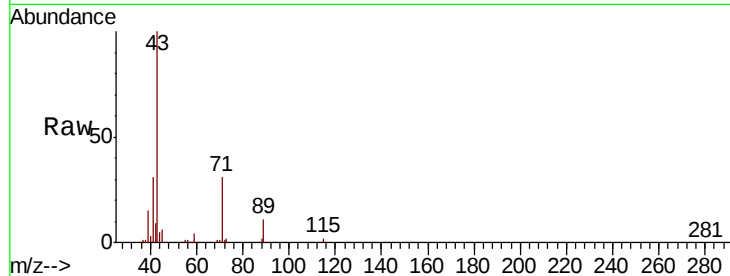
Tgt Ion: 69 Resp: 1224

Ion Ratio Lower Upper

69 100

41 6462.6 69.0 103.4#

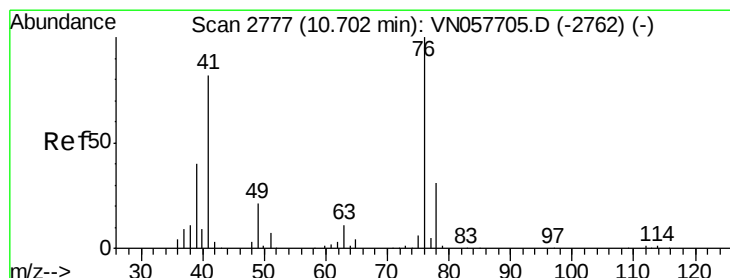
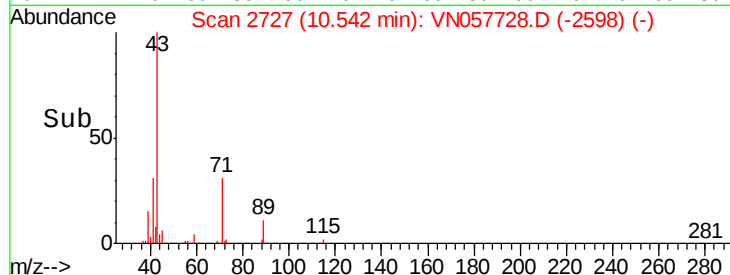
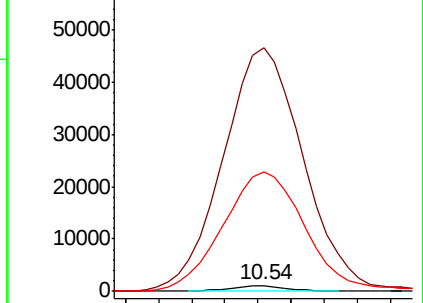
39 3241.2 49.2 73.8#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.426 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057728.D

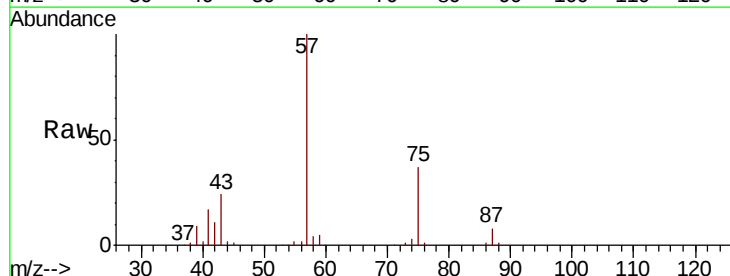
Acq: 6 Sep 2019 21:11

Tgt Ion: 76 Resp: 2264

Ion Ratio Lower Upper

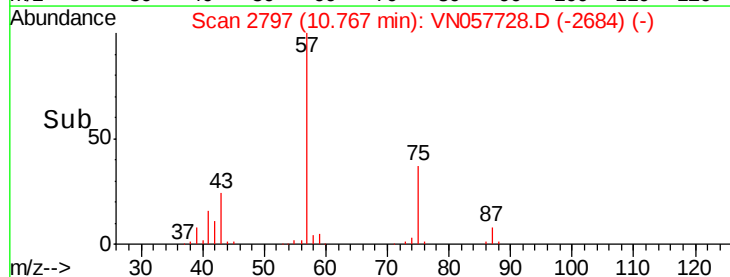
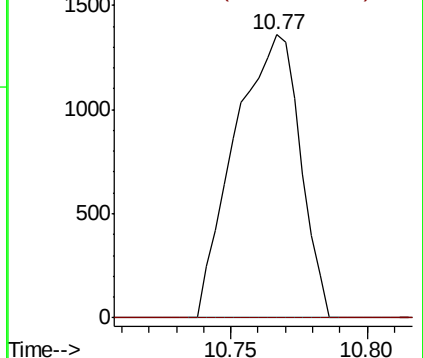
76 100

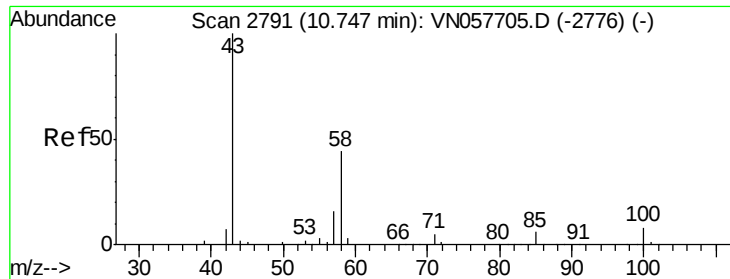
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

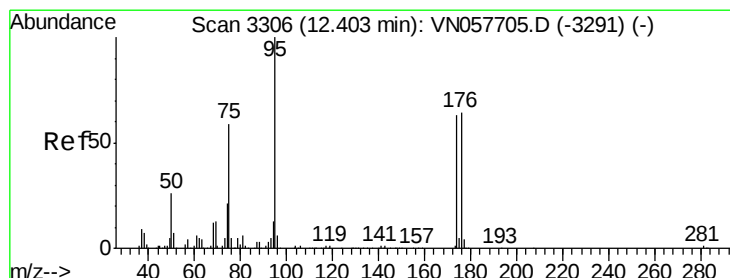
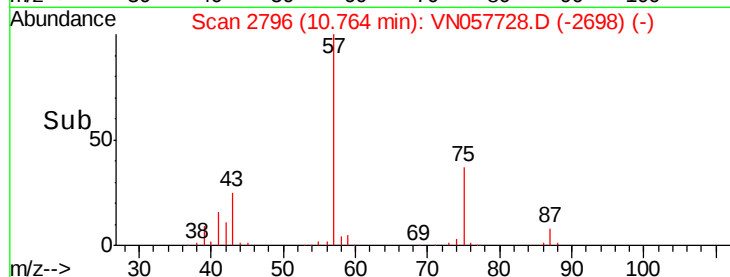
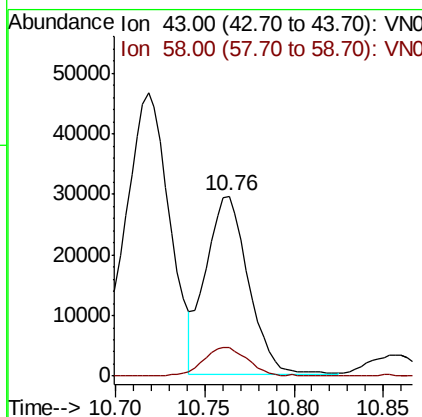
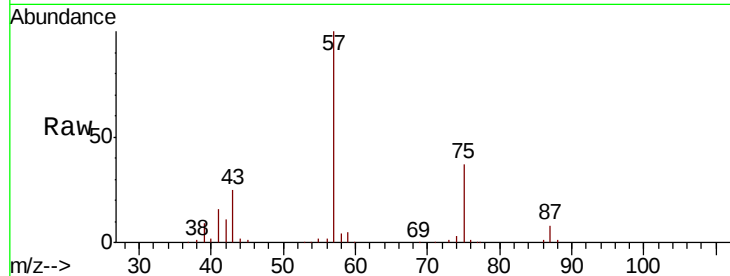




#59
2-Hexanone
Concen: 15.352 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

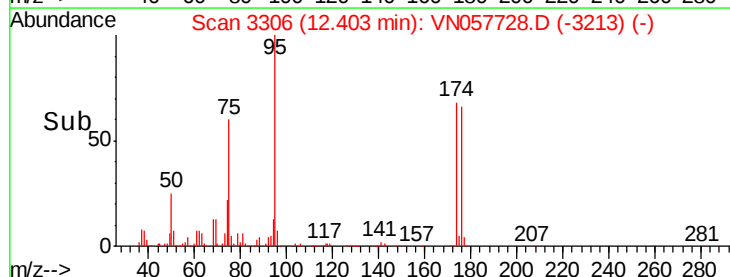
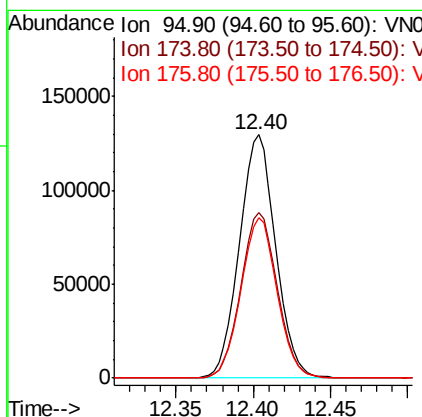
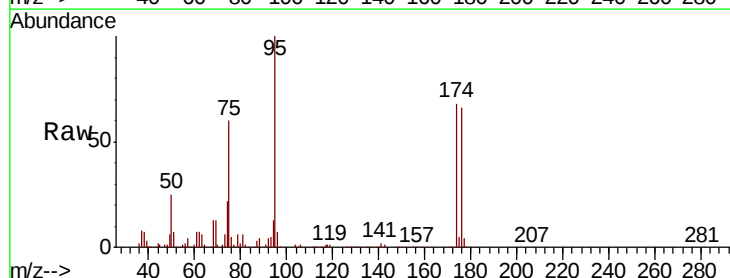
Instrument :
MSVOA_N
ClientSampled :
T12-B4-(0)

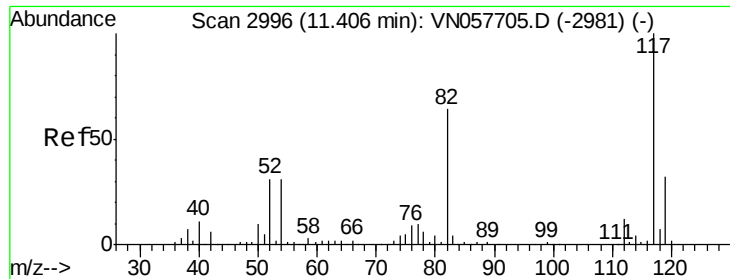
Tgt Ion: 43 Resp: 49119
Ion Ratio Lower Upper
43 100
58 16.8 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 46.871 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

Tgt Ion: 95 Resp: 211398
Ion Ratio Lower Upper
95 100
174 68.6 0.0 128.0
176 65.8 0.0 128.0

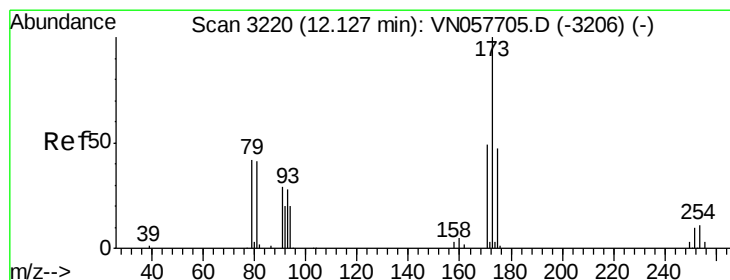
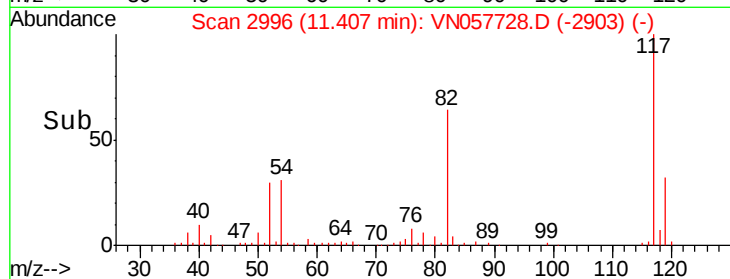
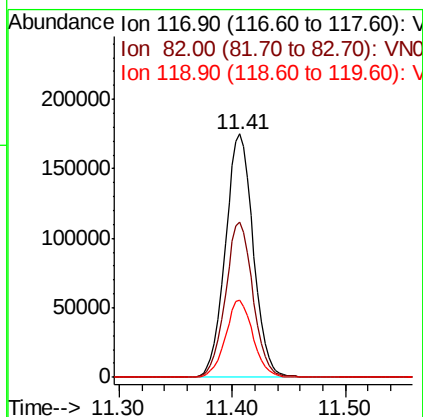
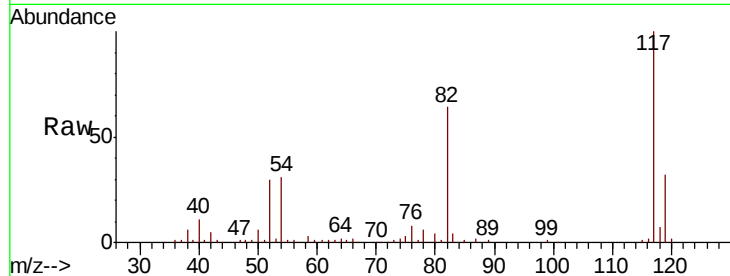




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

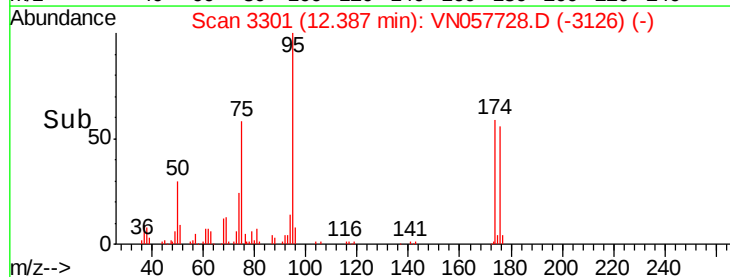
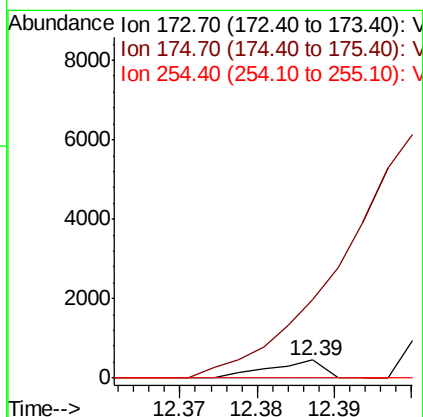
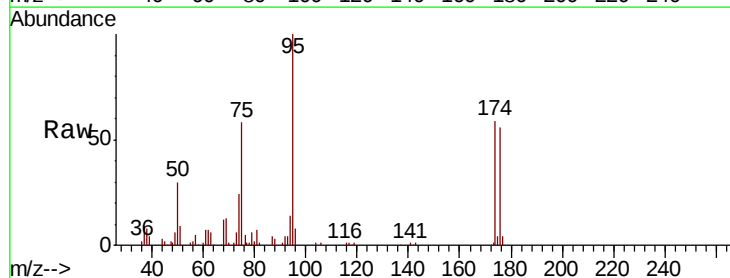
Instrument :
MSVOA_N
ClientSampleId :
T12-B4-(0)

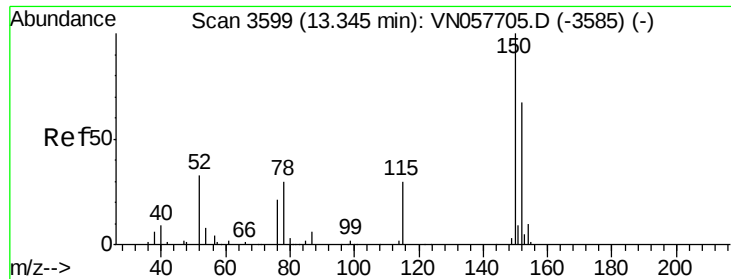
Tgt Ion:117 Resp: 299840
Ion Ratio Lower Upper
117 100
82 63.8 51.4 77.0
119 31.6 25.4 38.2



#71
Bromoform
Concen: 3.342 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN057728.D
Acq: 6 Sep 2019 21:11

Tgt Ion:173 Resp: 218
Ion Ratio Lower Upper
173 100
175 0.0 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: VN057728.D

Acq: 6 Sep 2019 21:11

Instrument :

MSVOA_N

ClientSampleId :

T12-B4-(0)

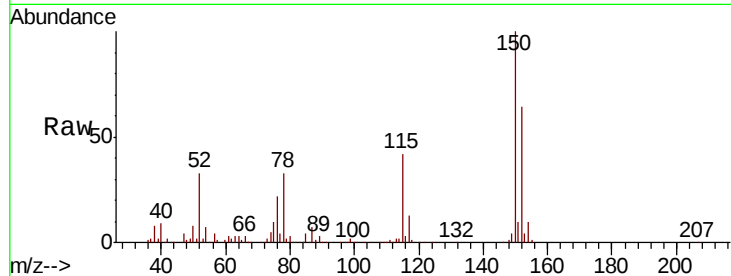
Tgt Ion:152 Resp: 152499

Ion Ratio Lower Upper

152 100

115 64.9 33.8 101.3

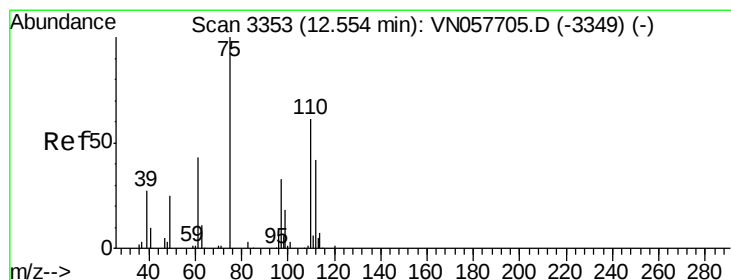
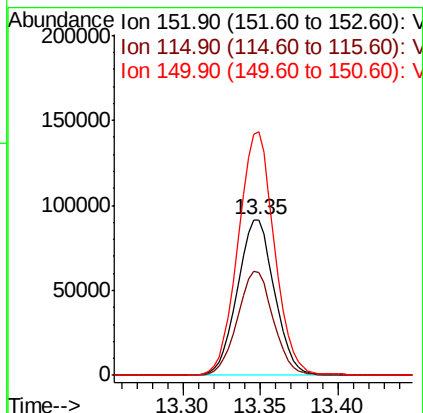
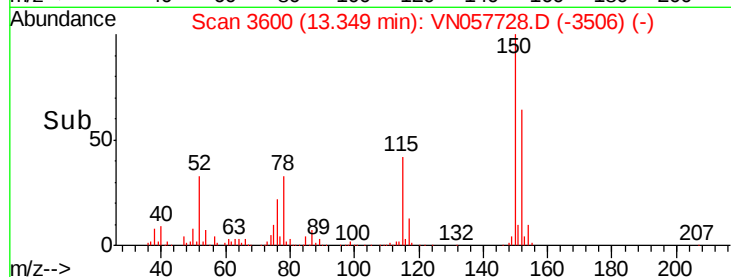
150 152.7 0.0 345.4



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



#76

1,2,3-Trichloropropane

Concen: 35.756 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057728.D

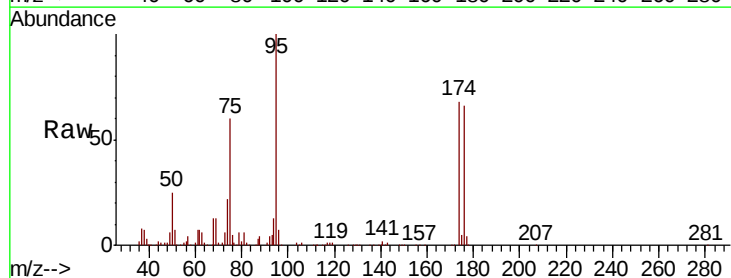
Acq: 6 Sep 2019 21:11

Tgt Ion: 75 Resp: 125217

Ion Ratio Lower Upper

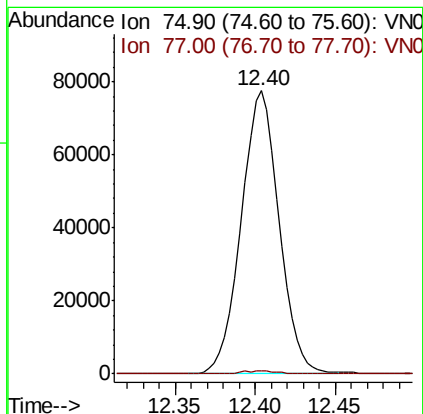
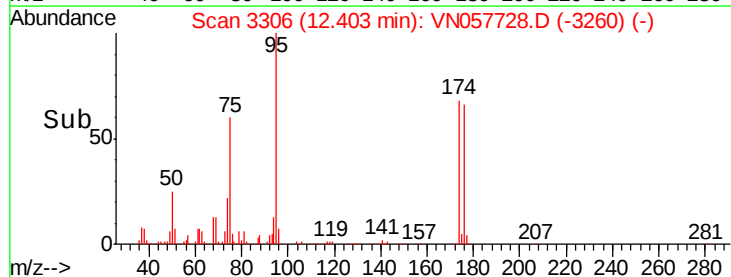
75 100

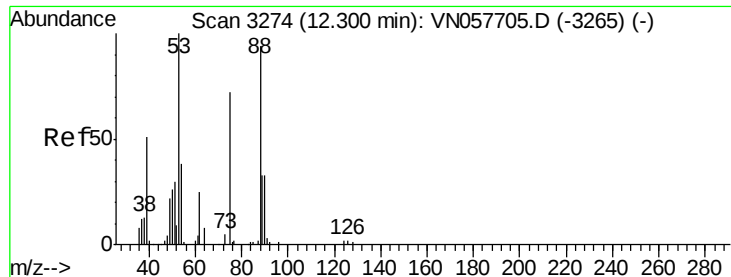
77 0.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.203 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057728.D

Acq: 6 Sep 2019 21:11

Instrument :

MSVOA_N

ClientSampleId :

T12-B4-(0)

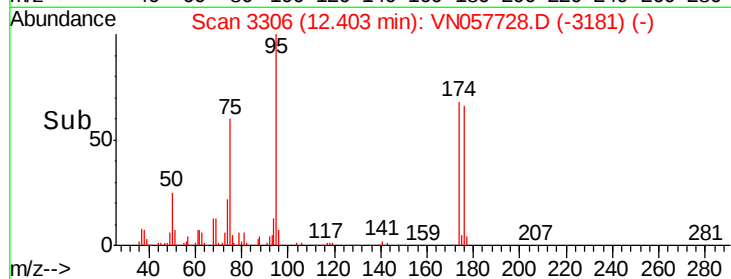
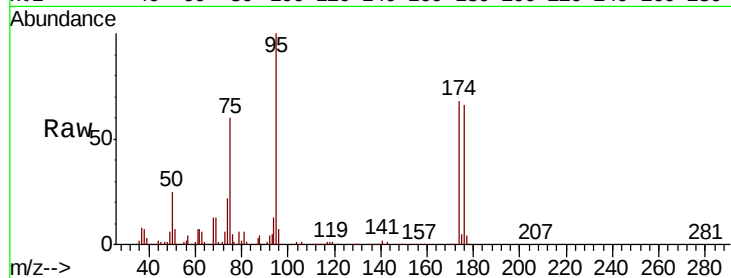
Tgt Ion: 75 Resp: 125217

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.1 36.5 54.7#



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

