

Data File : VN057762.D
Acq On : 7 Sep 2019 18:25
Operator : JC/SP
Sample : K4581-34
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-D4-(0)

Quant Time: Sep 08 06:38:12 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	204349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	297049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	151960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	242161	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.58	113	142004	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
50) Toluene-d8	10.09	98	555857	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	199123	44.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.58%	

Target Compounds

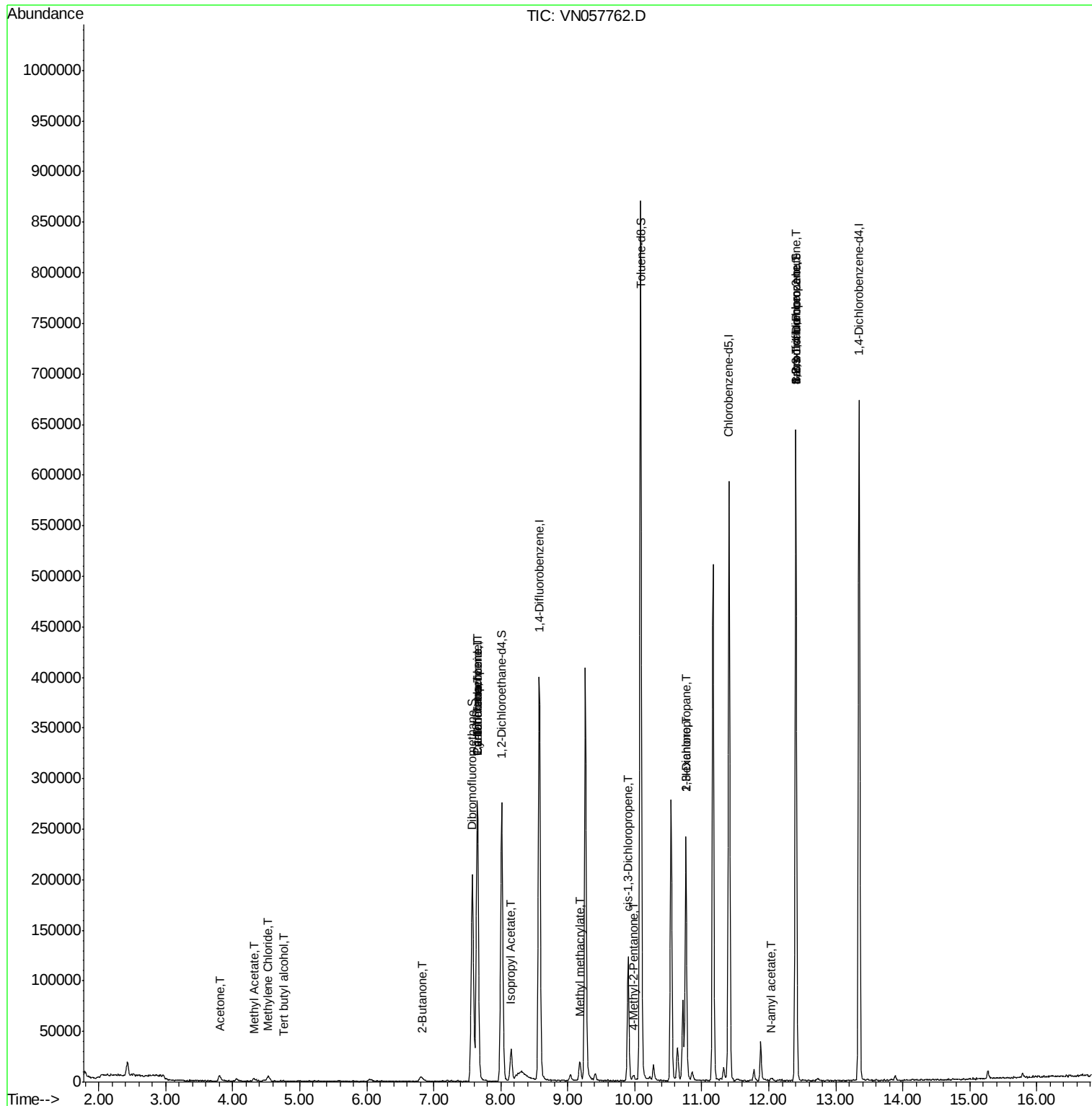
						Qvalue
3) Chloromethane	2.04	50	764	Below Cal	#	62
11) Tert butyl alcohol	4.75	59	126	0.223	ug/l #	71
16) Acetone	3.80	43	9002	5.884	ug/l	92
18) Methyl Acetate	4.31	43	4509	1.084	ug/l #	72
20) Methylene Chloride	4.54	84	2885	0.872	ug/l #	80
25) 2-Butanone	6.84	43	1465	0.669	ug/l #	1
31) Cyclohexane	7.64	56	6175	1.107	ug/l #	29
36) 1,1-Dichloropropene	7.65	75	19444	4.601	ug/l #	48
38) Carbon Tetrachloride	7.65	117	21067	5.206	ug/l #	17
43) Isopropyl Acetate	8.16	43	38288	4.755	ug/l	97
48) Methyl methacrylate	9.18	41	3149	0.760	ug/l #	40
51) 4-Methyl-2-Pentanone	9.99	43	3822	0.855	ug/l	94
54) cis-1,3-Dichloropropene	9.90	75	18376	3.720	ug/l #	68
57) 1,3-Dichloropropane	10.76	76	2112	0.403	ug/l #	43
59) 2-Hexanone	10.76	43	38186	12.109	ug/l #	60
71) Bromoform	12.39	173	158	3.315	ug/l #	1
74) N-amyl acetate	12.02	43	1449	0.216	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	125772	36.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	125772	112.092	ug/l #	1

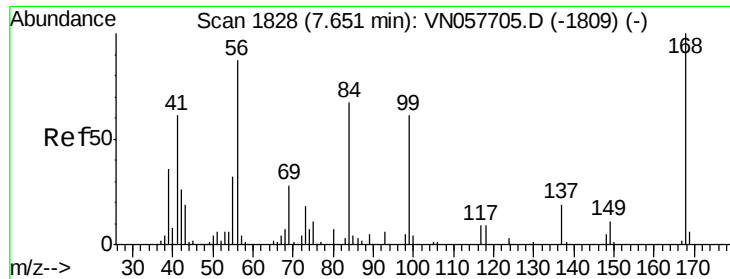
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057762.D

Acq: 7 Sep 2019 18:25

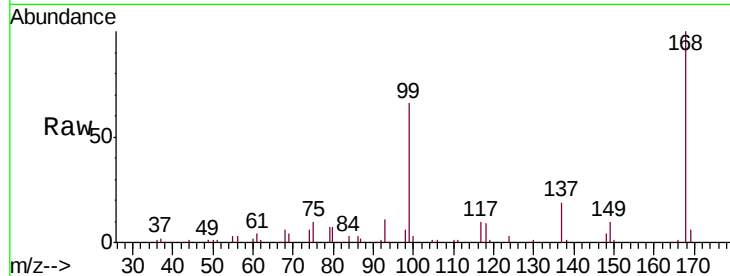
Instrument :
MSVOA_N
ClientSampleId :
T12-D4-(0)

Tgt Ion:168 Resp: 204349

Ion Ratio Lower Upper

168 100

99 66.5 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) (-)

7.65

80000

60000

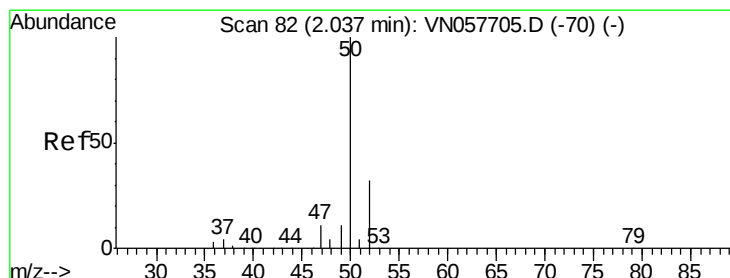
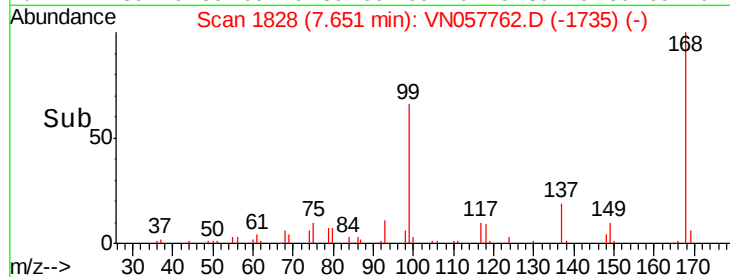
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057762.D

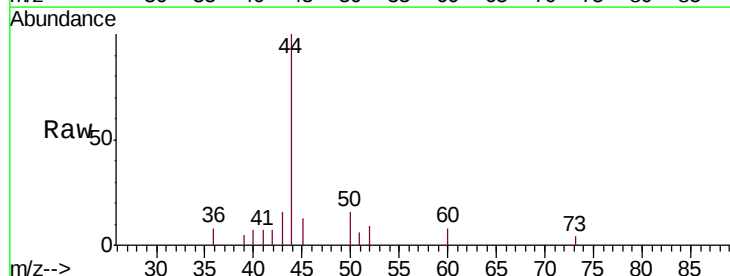
Acq: 7 Sep 2019 18:25

Tgt Ion: 50 Resp: 764

Ion Ratio Lower Upper

50 100

52 53.6 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) (-)

2.04

600

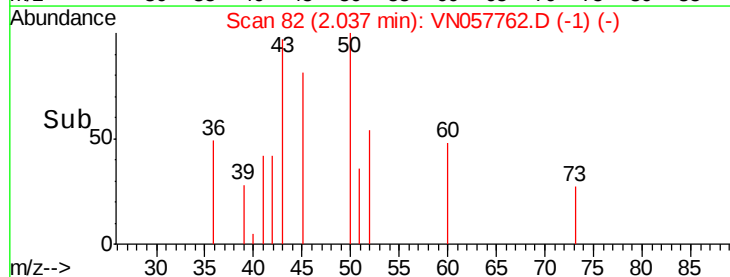
400

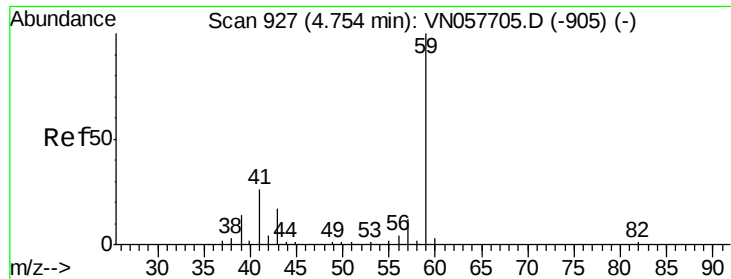
200

0

2.00 2.02 2.04 2.06

Time-->

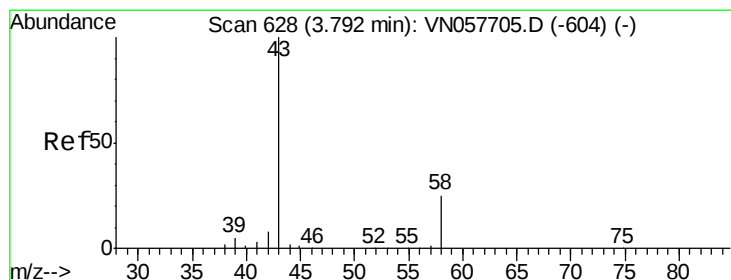
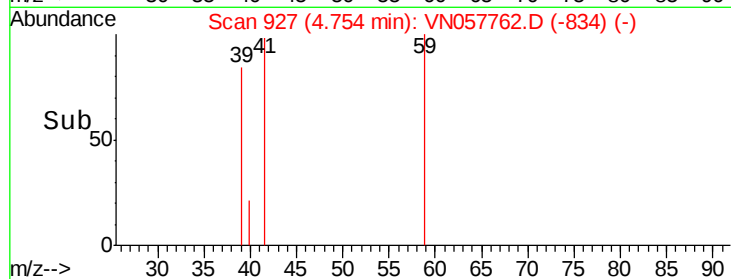
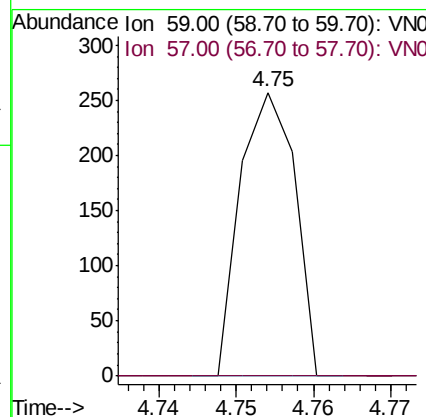
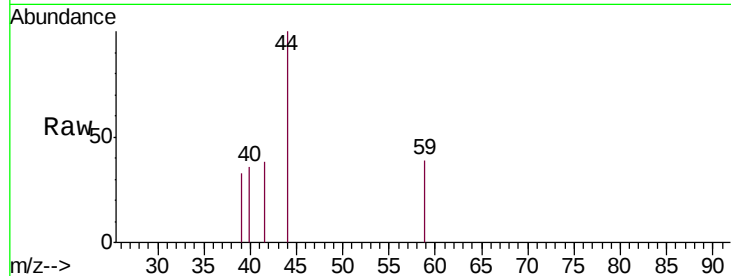




#11
Tert butyl alcohol
Concen: 0.223 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN057762.D
Acq: 7 Sep 2019 18:25

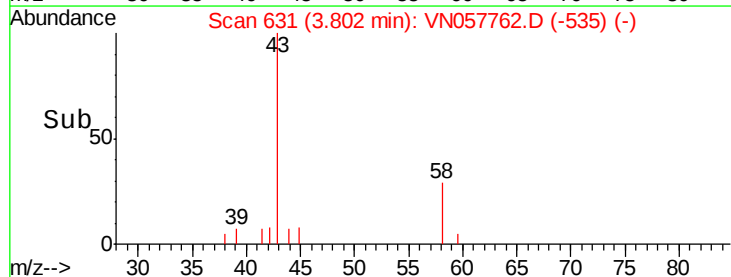
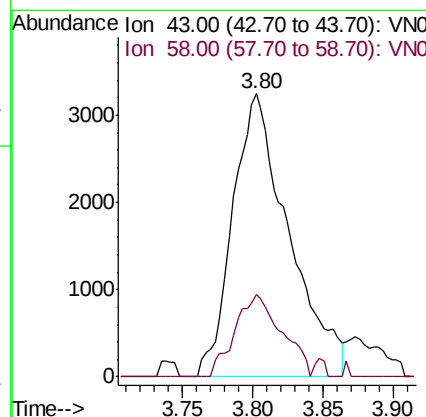
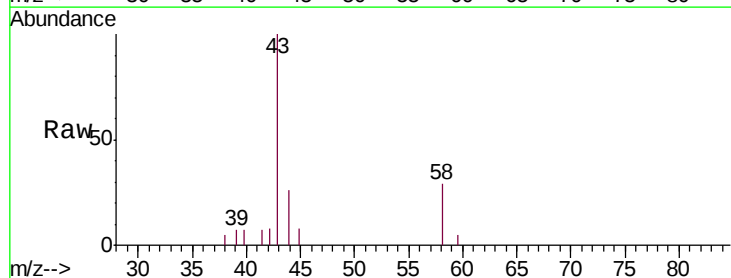
Instrument :
MSVOA_N
ClientSampleId :
T12-D4-(0)

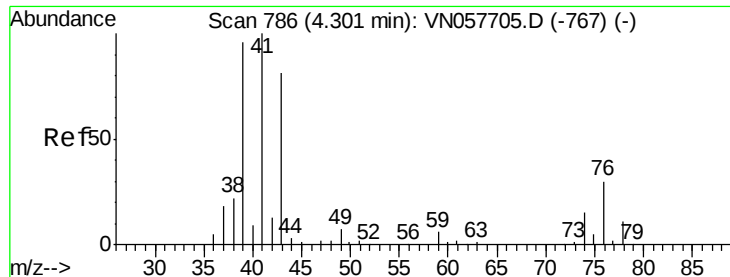
Tgt Ion: 59 Resp: 126
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 5.884 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN057762.D
Acq: 7 Sep 2019 18:25

Tgt Ion: 43 Resp: 9002
Ion Ratio Lower Upper
43 100
58 29.0 19.8 29.8

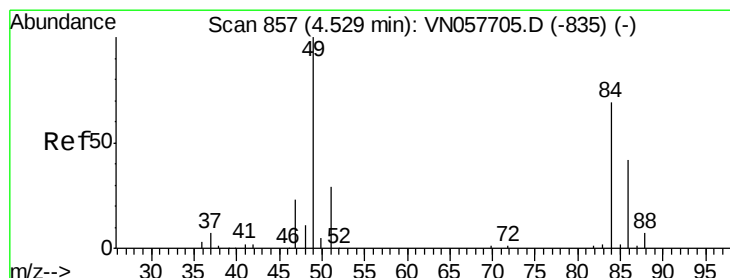
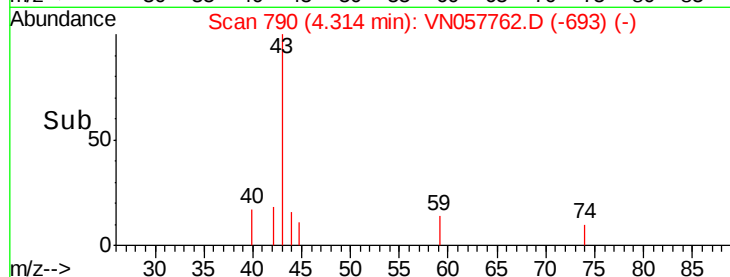
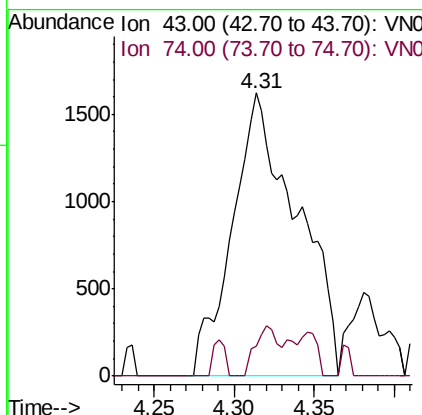
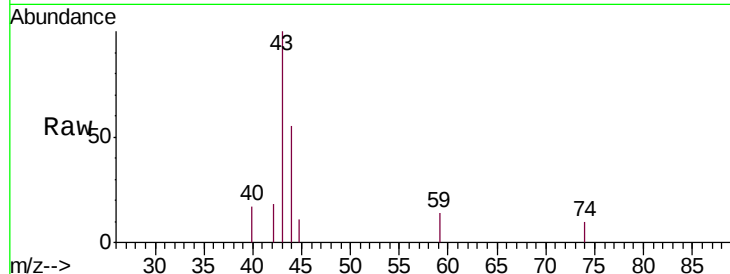




#18
Methyl Acetate
Concen: 1.084 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057762.D
Acq: 7 Sep 2019 18:25

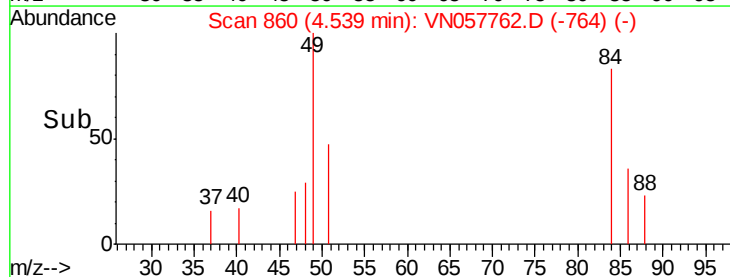
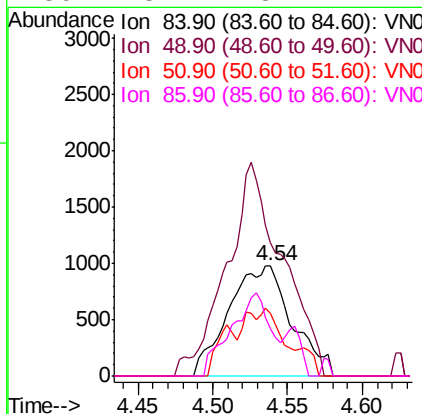
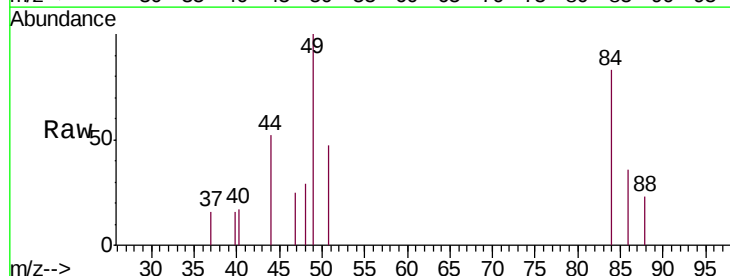
Instrument :
MSVOA_N
ClientSampleId :
T12-D4-(0)

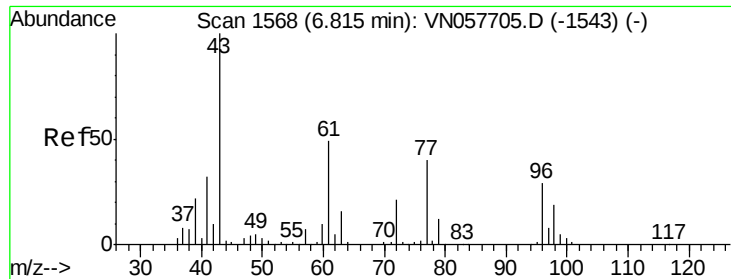
Tgt Ion: 43 Resp: 4509
Ion Ratio Lower Upper
43 100
74 6.3 15.3 22.9#



#20
Methylene Chloride
Concen: 0.872 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057762.D
Acq: 7 Sep 2019 18:25

Tgt Ion: 84 Resp: 2885
Ion Ratio Lower Upper
84 100
49 120.5 115.0 172.6
51 56.8 33.8 50.8#
86 43.2 48.2 72.2#





#25

2-Butanone

Concen: 0.669 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.03 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

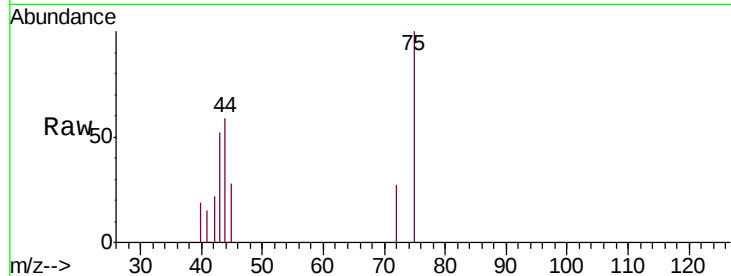
T12-D4-(0)

Tgt Ion: 43 Resp: 1465

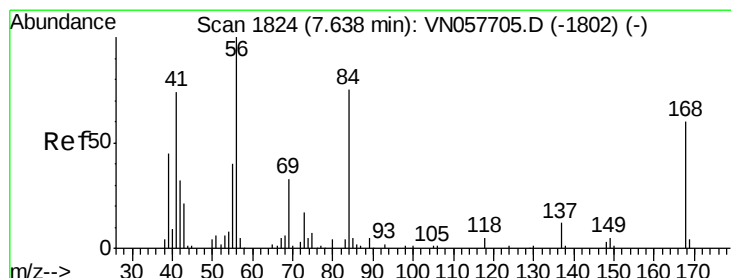
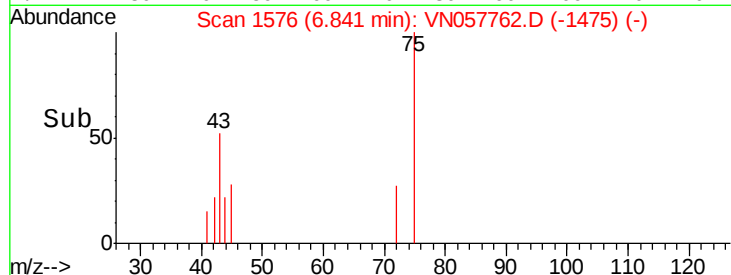
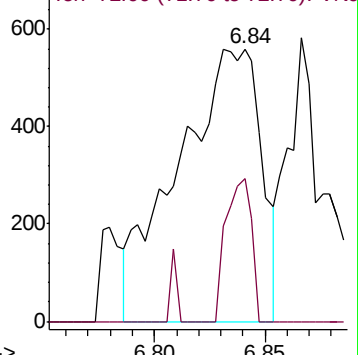
Ion Ratio Lower Upper

43 100

72 71.9 17.0 25.6#



Abundance Ion 43.00 (42.70 to 43.70): VN057762.D (-1475) (-)



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

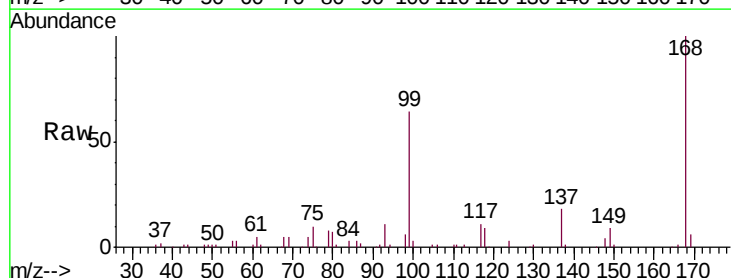
Tgt Ion: 56 Resp: 6175

Ion Ratio Lower Upper

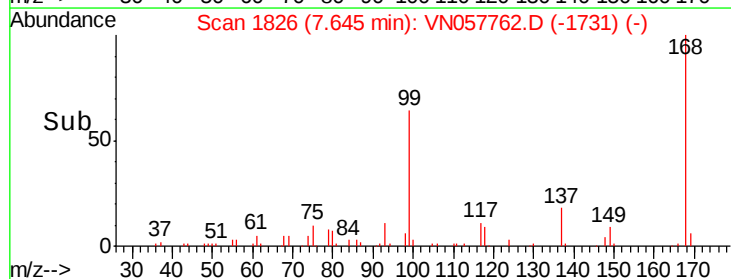
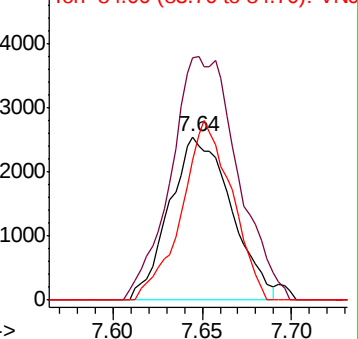
56 100

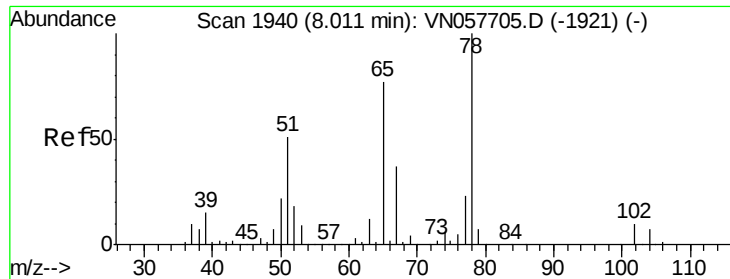
69 148.4 26.2 39.2#

84 85.6 59.8 89.8



Abundance Ion 56.00 (55.70 to 56.70): VN057762.D (-1731) (-)

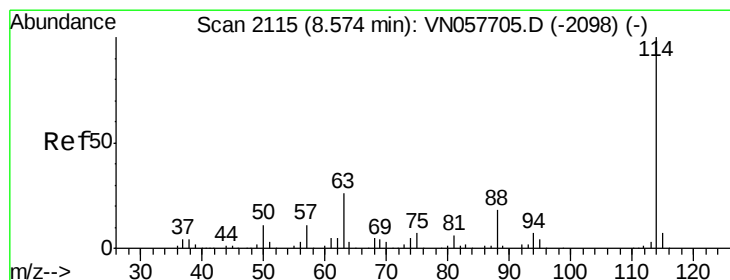
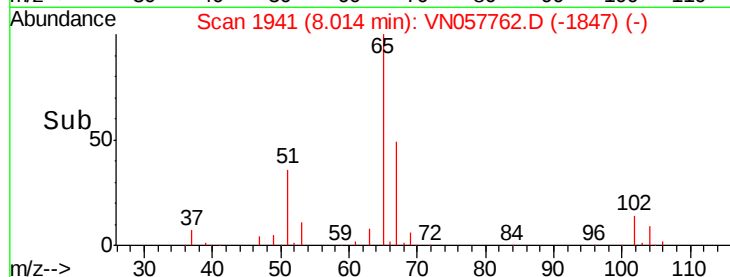
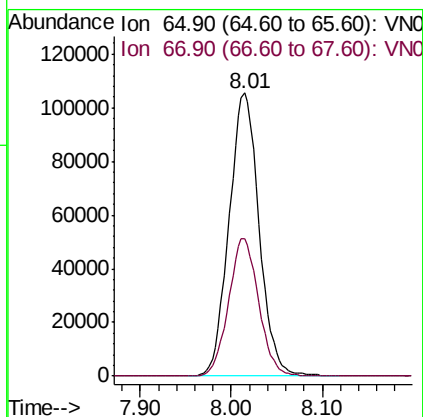
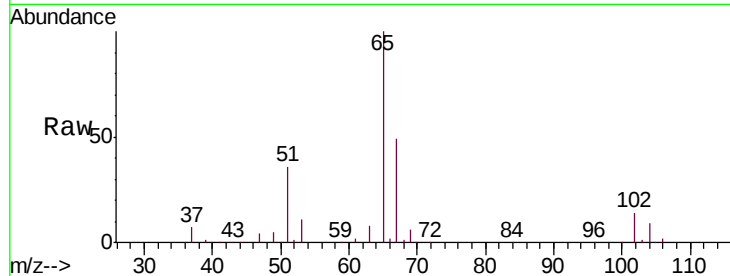




#33
 1,2-Dichloroethane-d4
 Concen: 48.713 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057762.D
 Acq: 7 Sep 2019 18:25

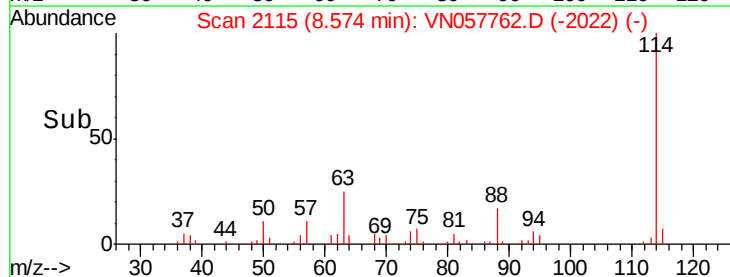
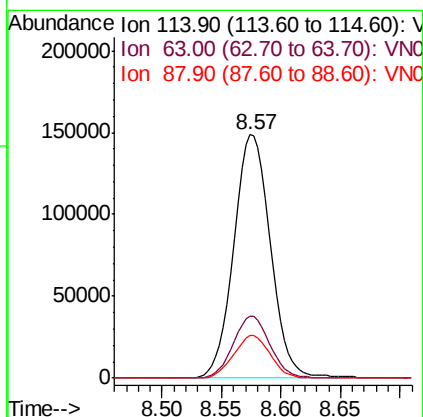
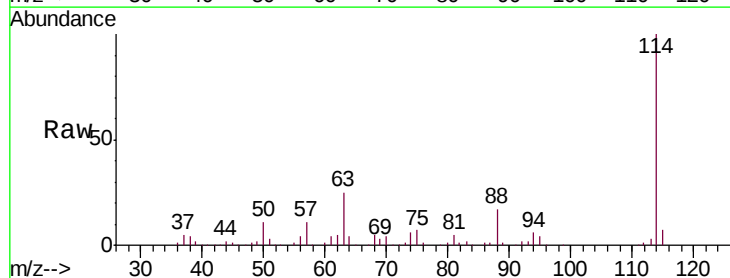
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D4-(0)

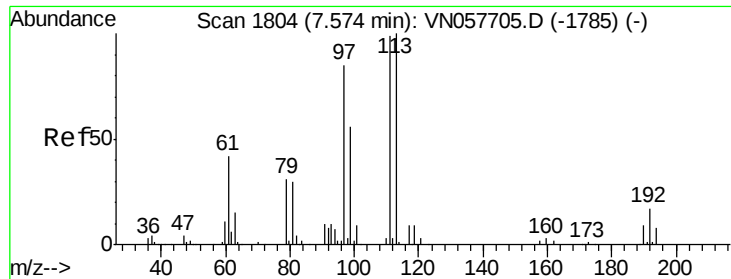
Tgt Ion: 65 Resp: 242161
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057762.D
 Acq: 7 Sep 2019 18:25

Tgt Ion: 114 Resp: 317652
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 52.4
 88 17.4 0.0 35.4

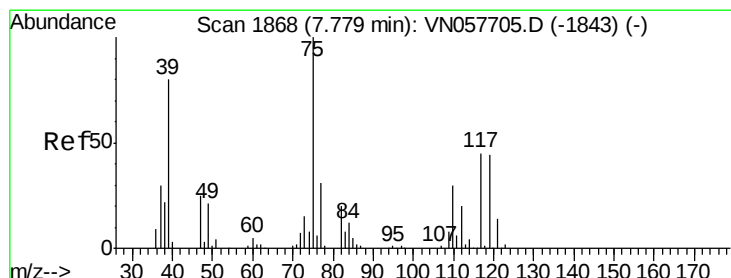
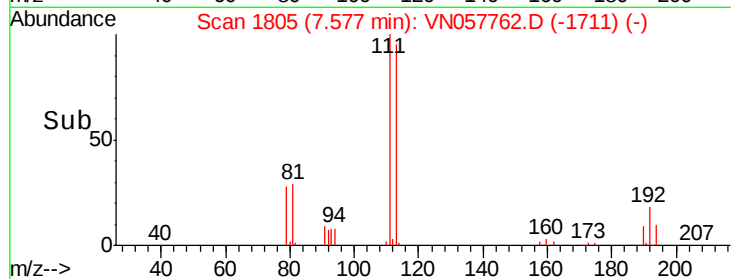
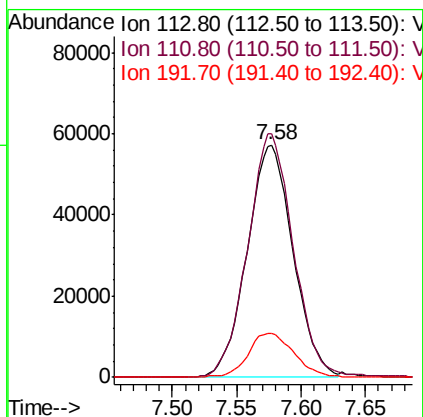
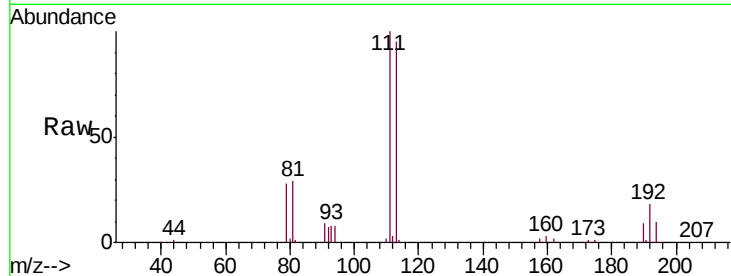




#35
 Dibromofluoromethane
 Concen: 49.080 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057762.D
 Acq: 7 Sep 2019 18:25

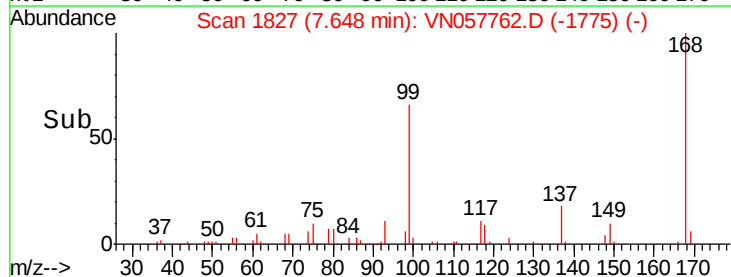
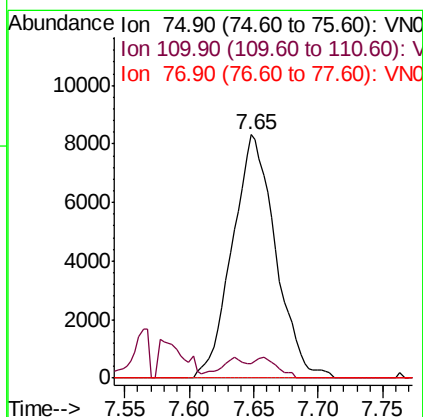
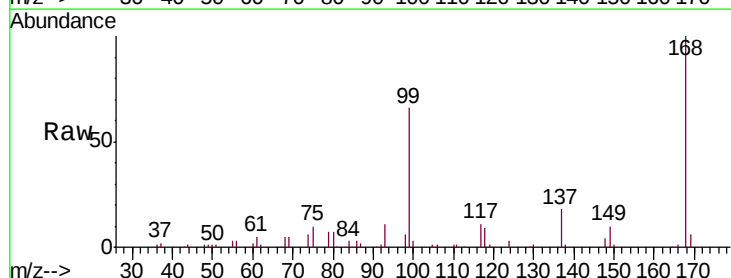
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D4-(0)

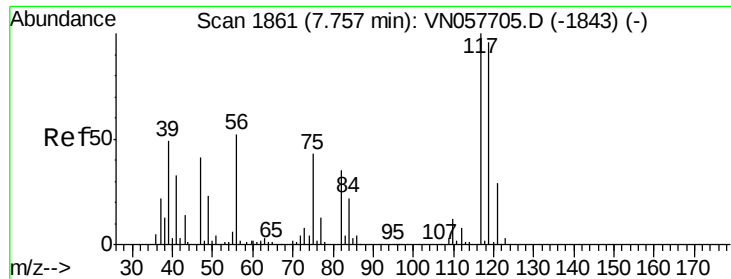
Tgt Ion:113 Resp: 142004
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.7 124.1
 192 19.0 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.601 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057762.D
 Acq: 7 Sep 2019 18:25

Tgt Ion: 75 Resp: 19444
 Ion Ratio Lower Upper
 75 100
 110 4.4 15.0 45.0#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.206 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

T12-D4-(0)

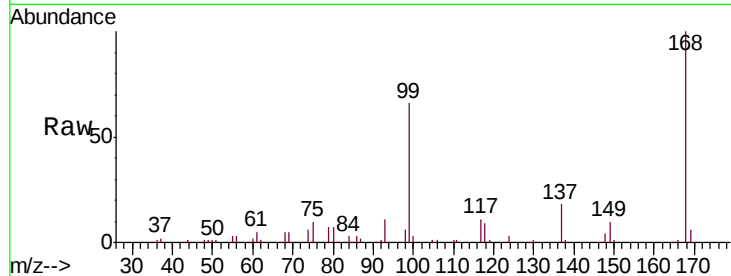
Tgt Ion:117 Resp: 21067

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

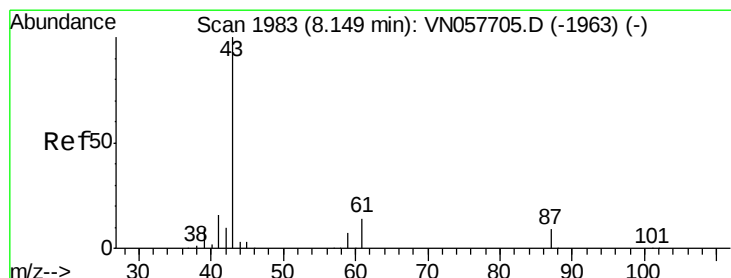
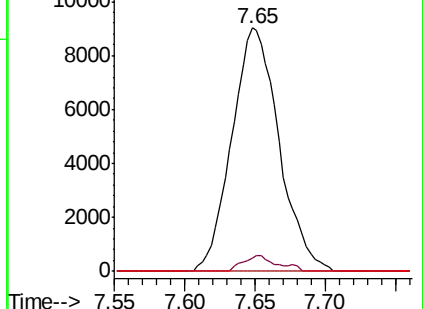
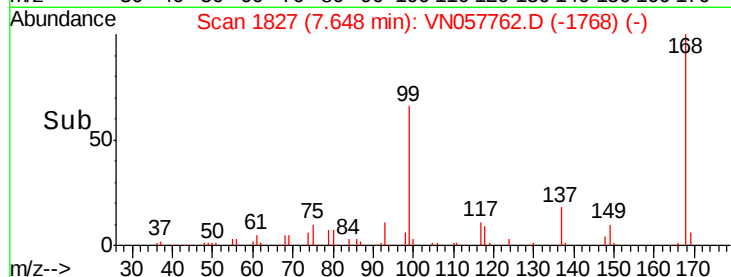
121 0.0 23.4 35.2#



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: 4.755 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

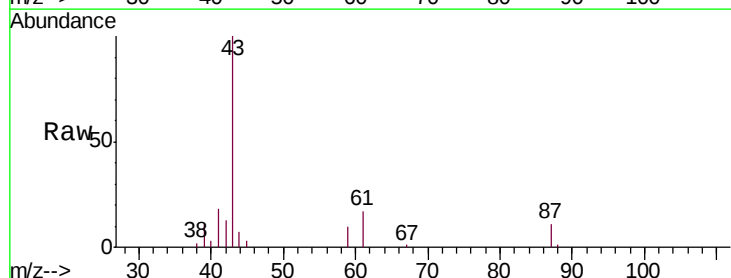
Tgt Ion: 43 Resp: 38288

Ion Ratio Lower Upper

43 100

61 17.7 12.8 19.2

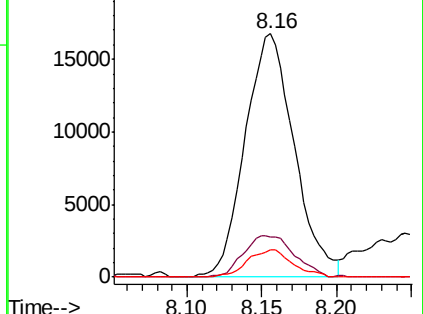
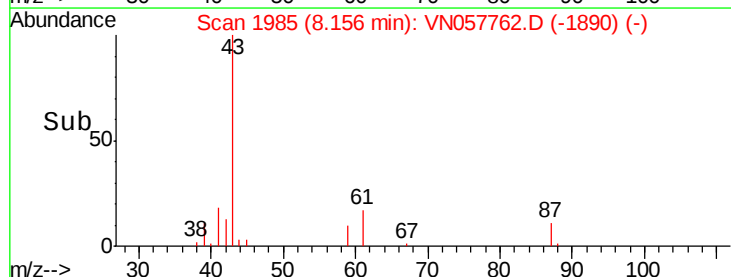
87 10.3 7.8 11.8

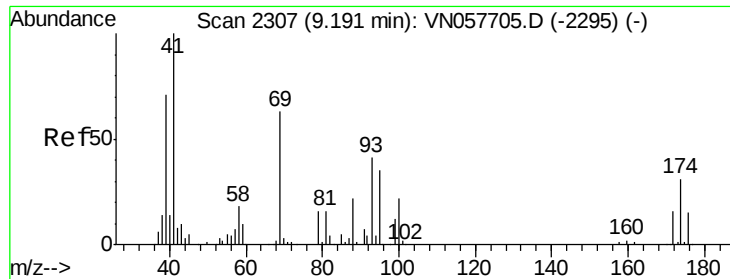


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

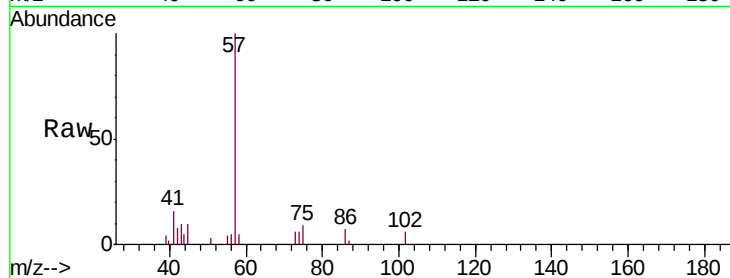




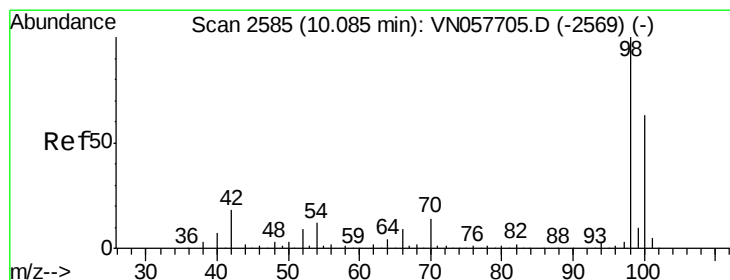
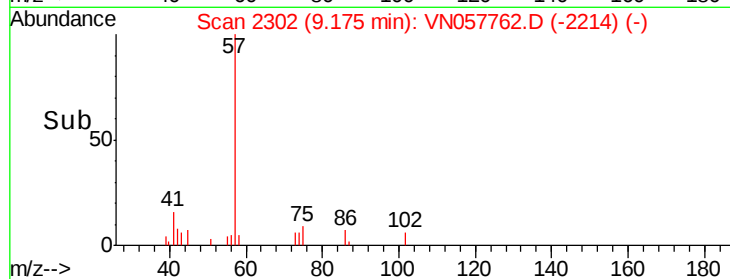
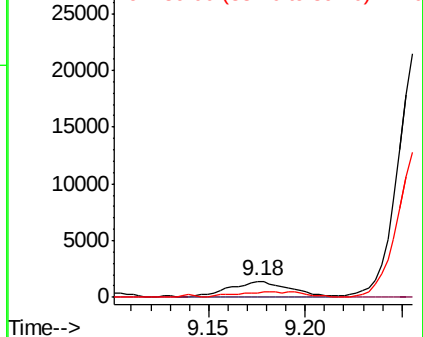
#48
Methyl methacrylate
Concen: 0.760 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN057762.D
Acq: 7 Sep 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
T12-D4-(0)

Tgt Ion: 41 Resp: 3149
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 38.2 57.3 85.9#

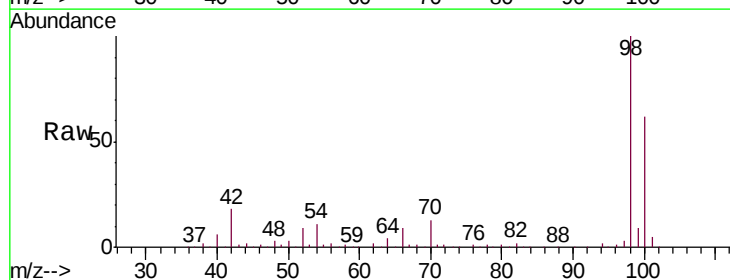


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

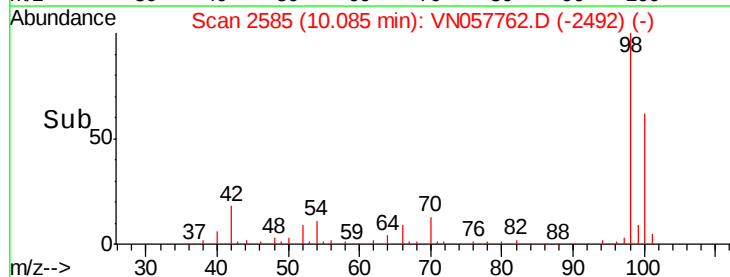
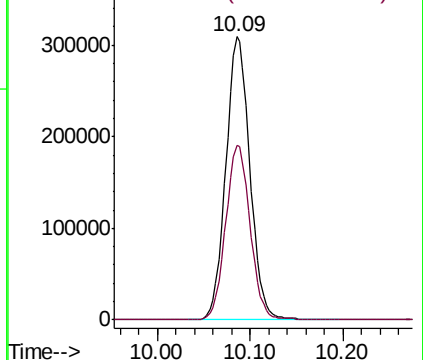


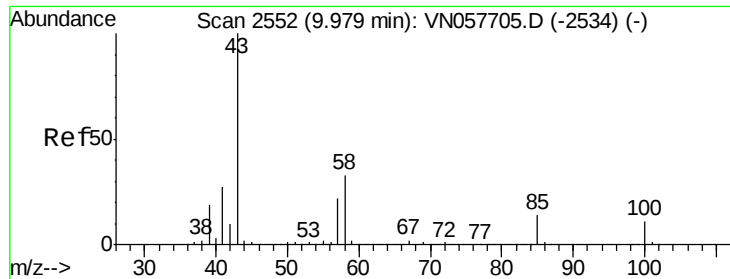
#50
Toluene-d8
Concen: 51.934 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057762.D
Acq: 7 Sep 2019 18:25

Tgt Ion: 98 Resp: 555857
Ion Ratio Lower Upper
98 100
100 62.8 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: 0.855 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

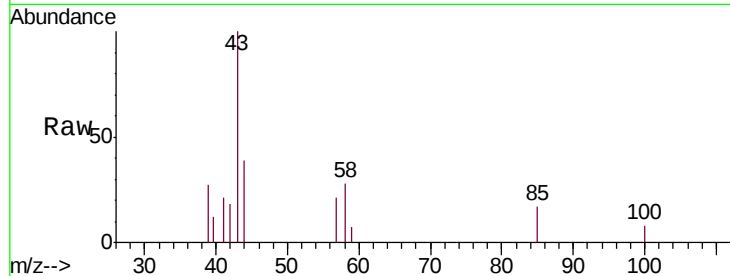
T12-D4-(0)

Tgt Ion: 43 Resp: 3822

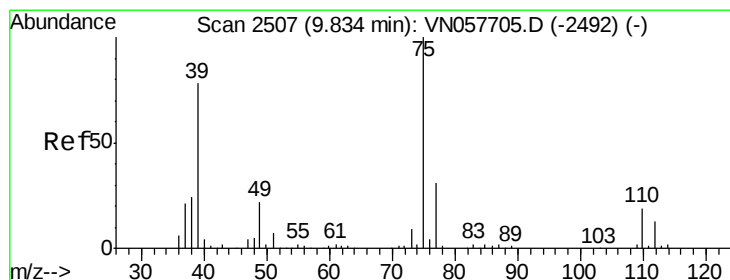
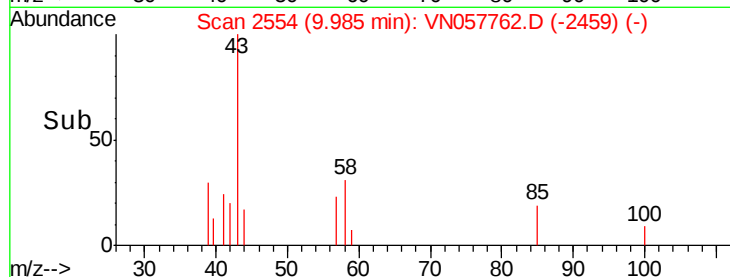
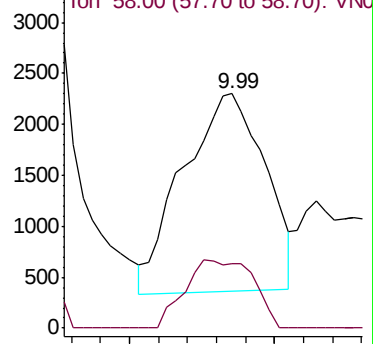
Ion Ratio Lower Upper

43 100

58 28.8 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)



#54

cis-1,3-Dichloropropene

Concen: 3.720 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

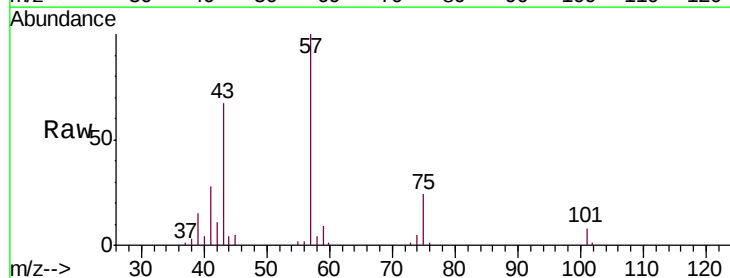
Tgt Ion: 75 Resp: 18376

Ion Ratio Lower Upper

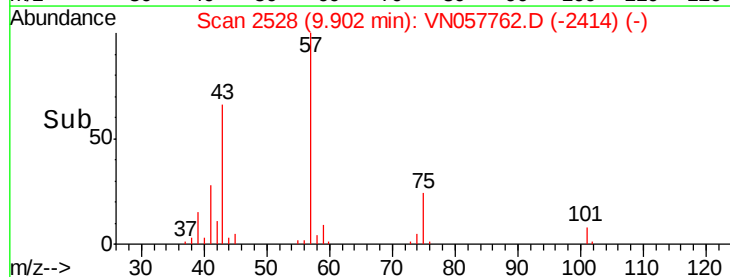
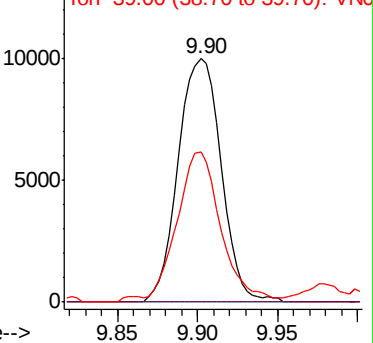
75 100

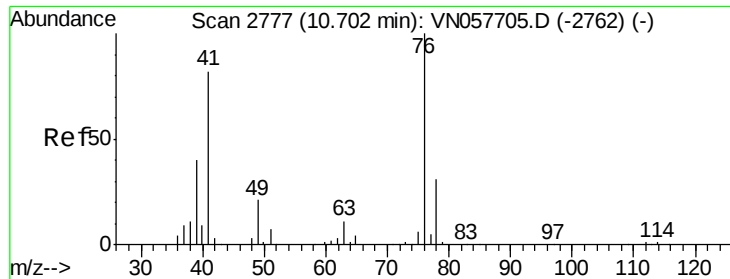
77 0.0 25.1 37.7#

39 59.2 62.4 93.6#



Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-2492) (-)

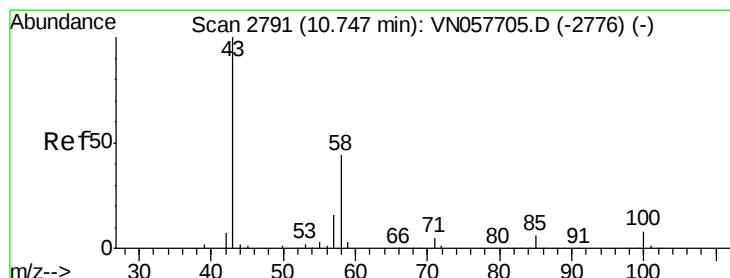
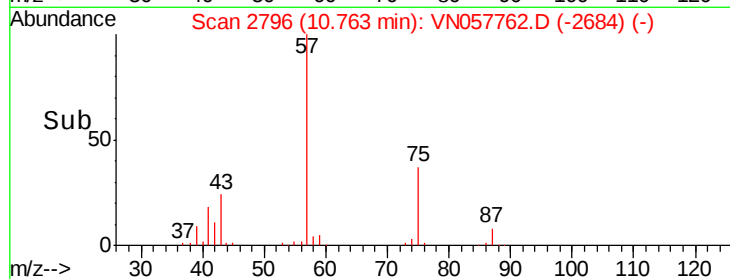
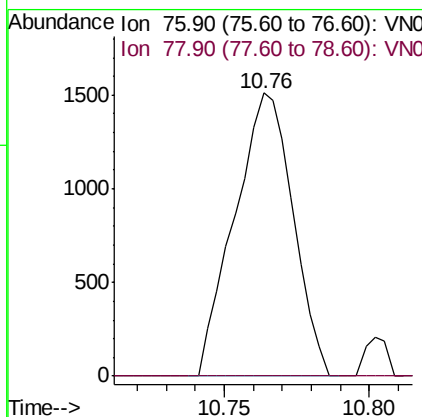
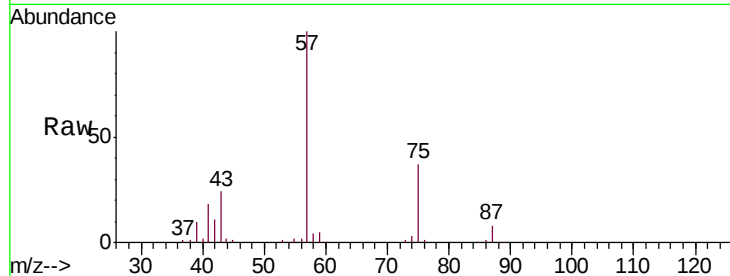




#57
 1,3-Dichloropropane
 Concen: 0.403 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057762.D
 Acq: 7 Sep 2019 18:25

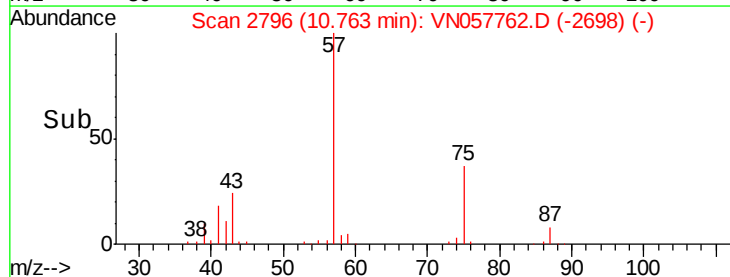
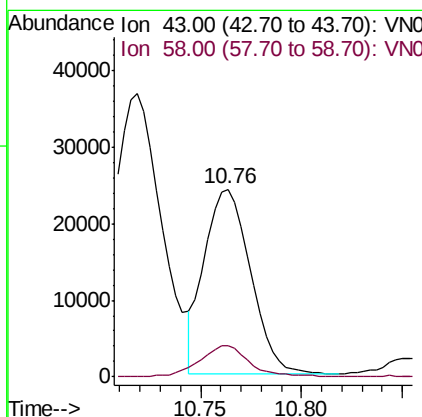
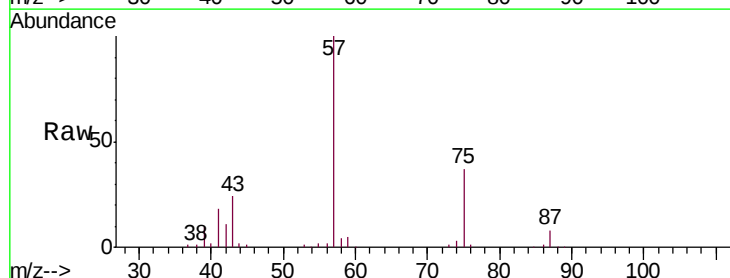
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-D4-(0)

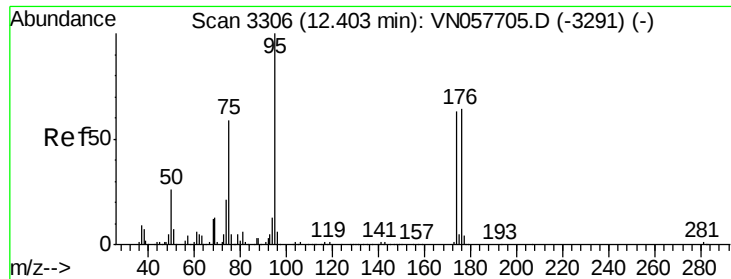
Tgt Ion: 76 Resp: 2112
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 12.109 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057762.D
 Acq: 7 Sep 2019 18:25

Tgt Ion: 43 Resp: 38186
 Ion Ratio Lower Upper
 43 100
 58 18.3 22.1 66.5#





#62

4-Bromofluorobenzene

Concen: 44.791 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

T12-D4-(0)

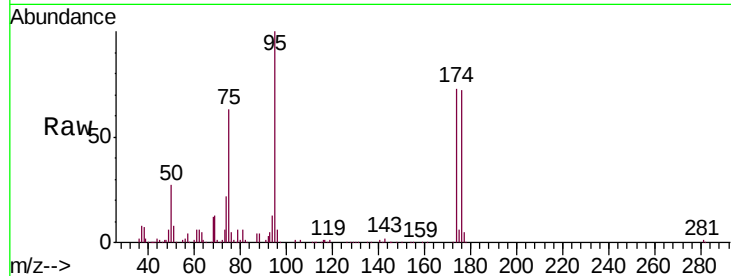
Tgt Ion: 95 Resp: 199123

Ion Ratio Lower Upper

95 100

174 74.1 0.0 128.0

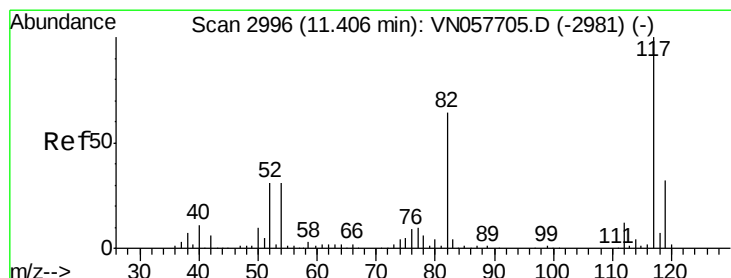
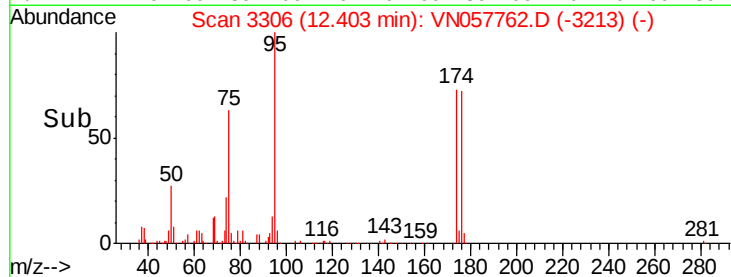
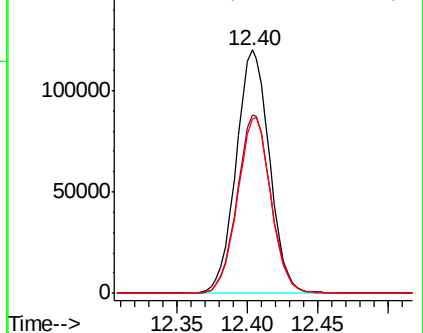
176 72.2 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

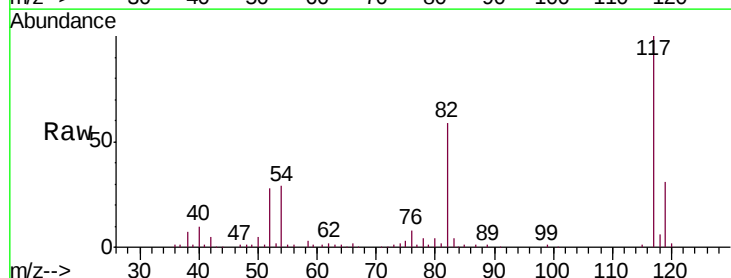
Tgt Ion: 117 Resp: 297049

Ion Ratio Lower Upper

117 100

82 59.5 51.4 77.0

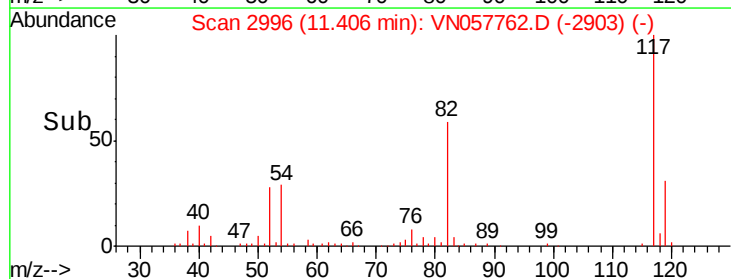
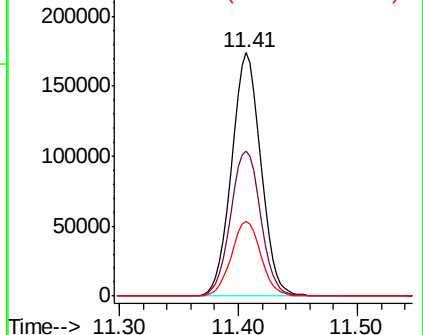
119 30.9 25.4 38.2

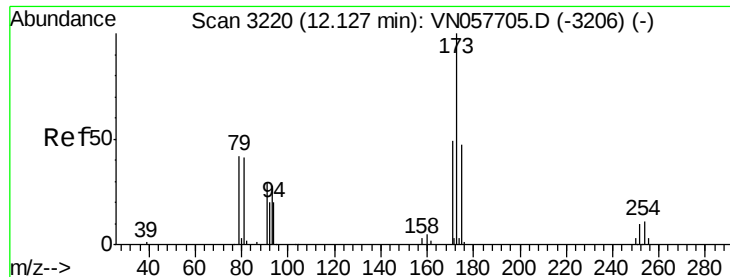


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 3.315 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

T12-D4-(0)

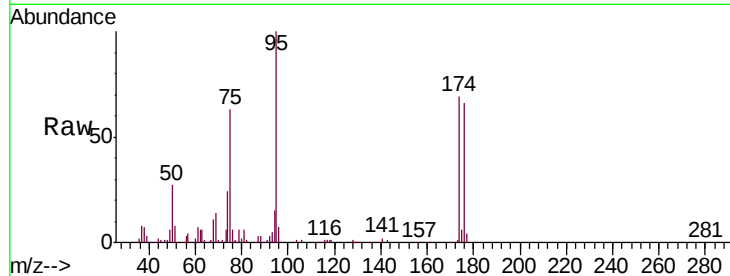
Tgt Ion:173 Resp: 158

Ion Ratio Lower Upper

173 100

175 6667.7 24.6 73.8#

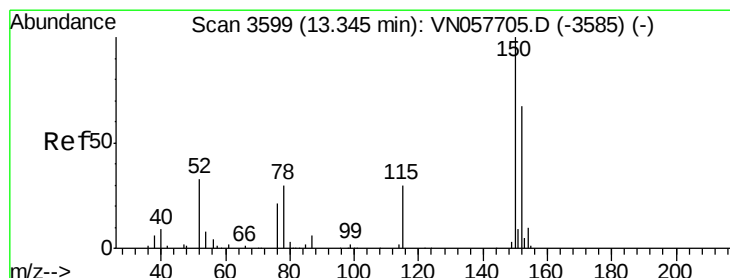
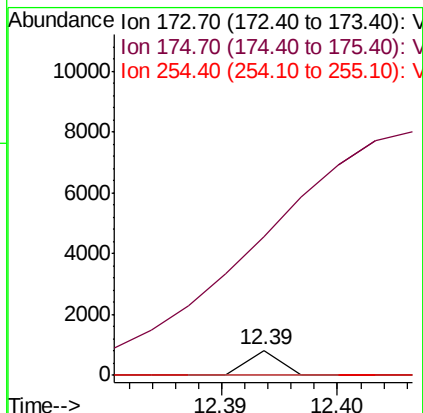
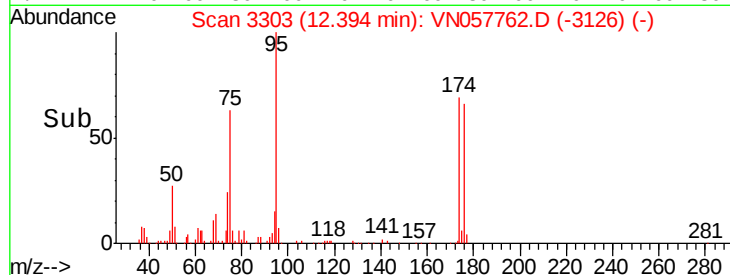
254 0.0 0.0 0.0



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

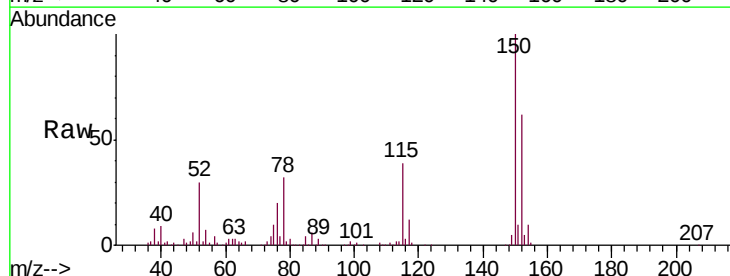
Tgt Ion:152 Resp: 151960

Ion Ratio Lower Upper

152 100

115 63.4 33.8 101.3

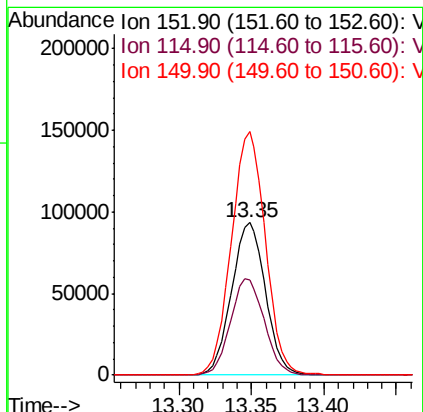
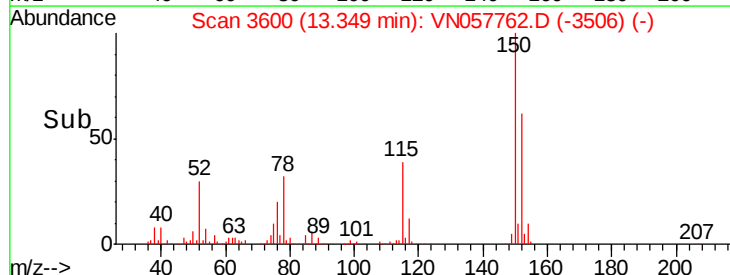
150 160.0 0.0 345.4

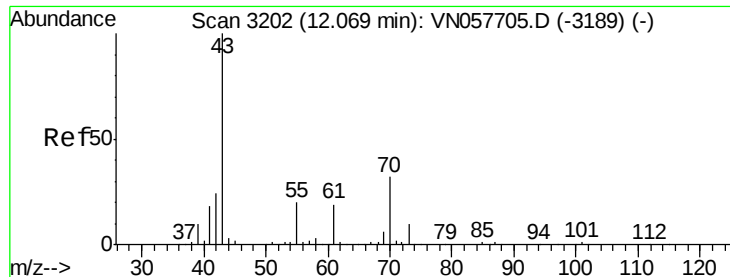


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 0.216 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

T12-D4-(0)

Tgt Ion: 43 Resp: 1449

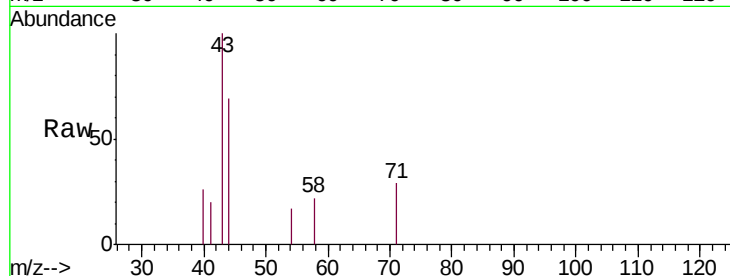
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 0.0 16.3 24.5#

61 0.0 15.0 22.4#

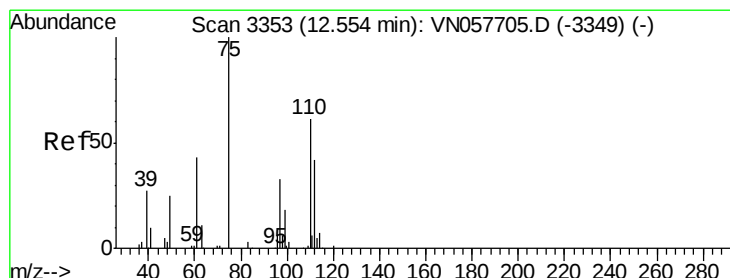
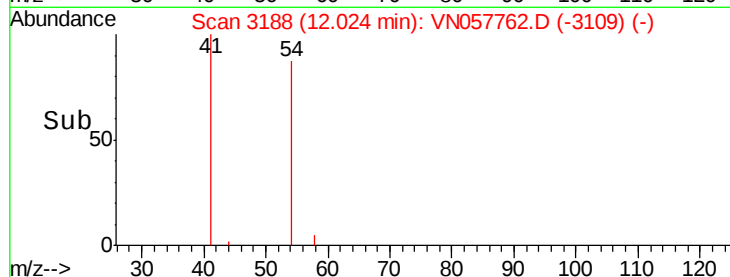
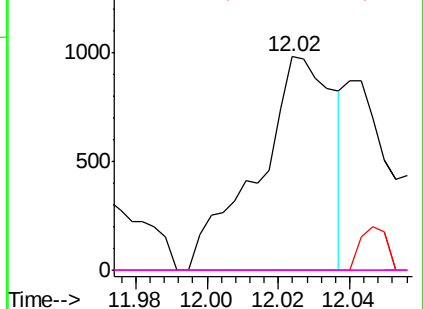


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 36.042 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057762.D

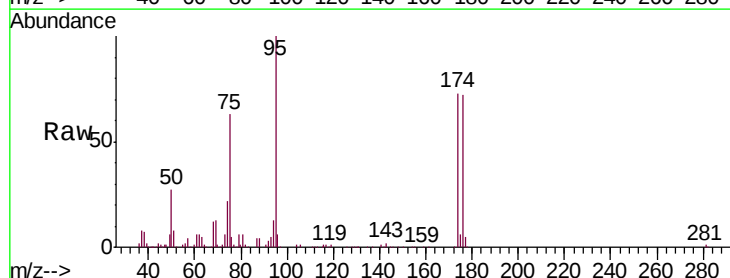
Acq: 7 Sep 2019 18:25

Tgt Ion: 75 Resp: 125772

Ion Ratio Lower Upper

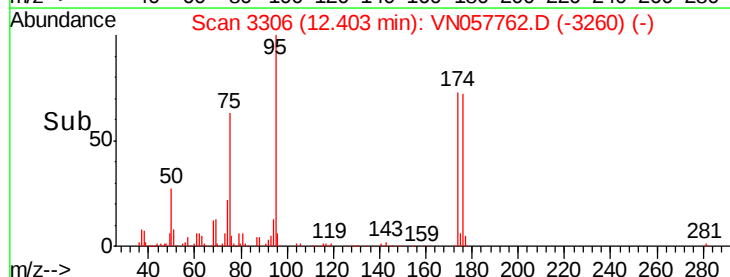
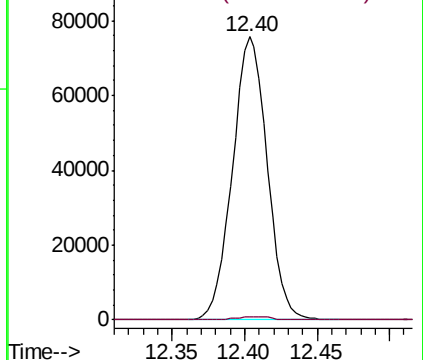
75 100

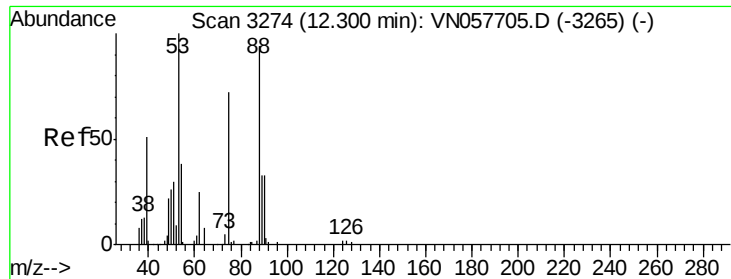
77 1.1 0.0 0.0#



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: 112.092 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057762.D

Acq: 7 Sep 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

T12-D4-(0)

Tgt Ion: 75 Resp: 125772

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

