

Data File : VN057065.D
Acq On : 2 Aug 2019 14:42
Operator : JC/SP
Sample : K4118-24
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
SA-PZ182I-20190731RE

Quant Time: Aug 03 04:24:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	540757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	781012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	636678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162952	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	297553	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
35) Dibromofluoromethane	7.58	113	272896	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	10.08	98	1023453	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.40	95	259769	41.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.70%	

Target Compounds

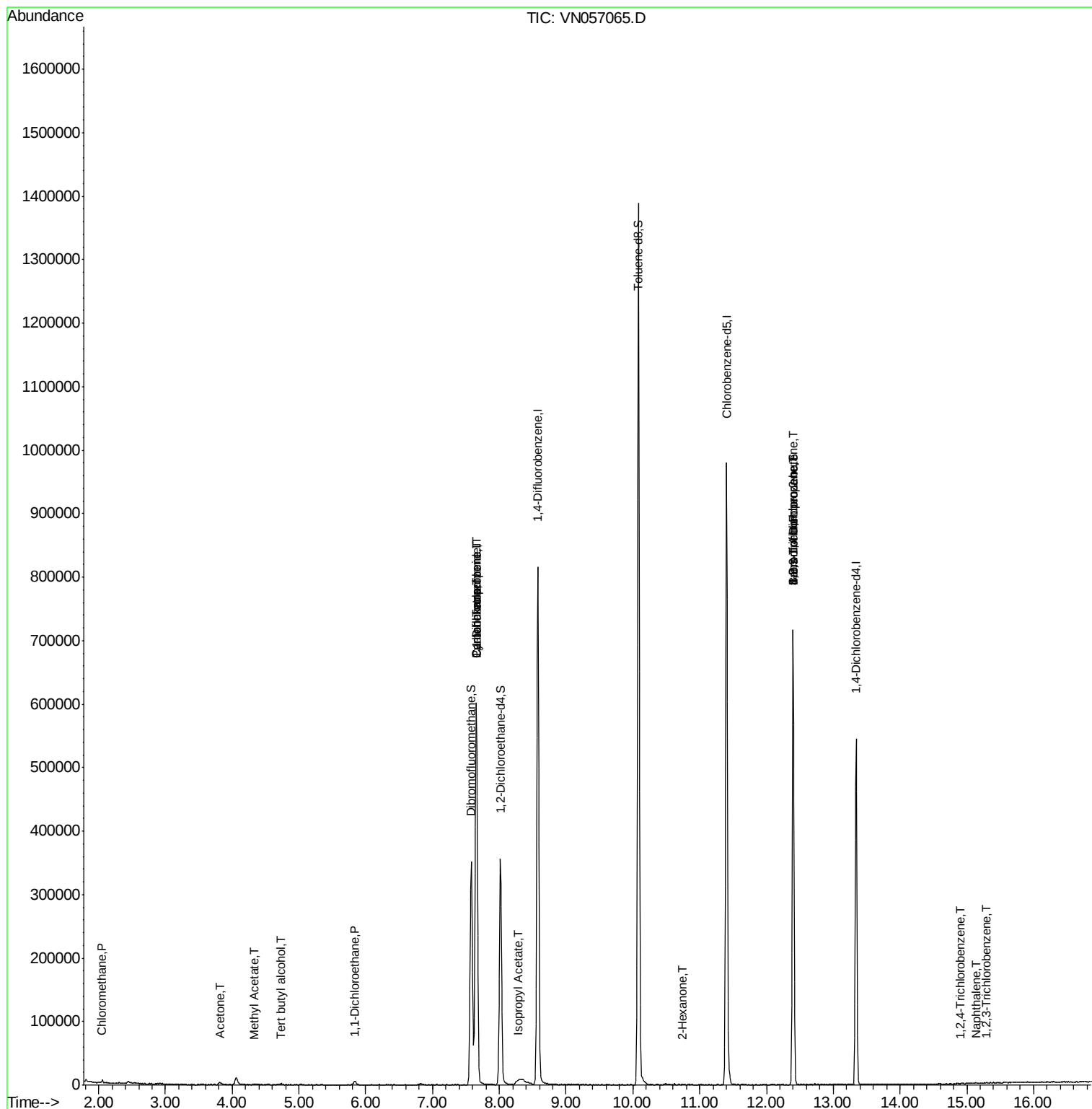
						Qvalue
3) Chloromethane	2.05	50	4072	0.622	ug/l	100
11) Tert butyl alcohol	4.73	59	229	0.306	ug/l #	74
16) Acetone	3.81	43	5942	2.963	ug/l	89
18) Methyl Acetate	4.33	43	1741	0.272	ug/l #	62
24) 1,1-Dichloroethane	5.84	63	9052	0.963	ug/l #	93
31) Cyclohexane	7.65	56	7975	0.877	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	33765	4.913	ug/l #	49
38) Carbon Tetrachloride	7.65	117	46521	7.156	ug/l #	18
43) Isopropyl Acetate	8.27	43	6928	0.762	ug/l #	52
59) 2-Hexanone	10.73	43	65	2.515	ug/l #	23
71) Bromoform	12.40	173	1823	0.535	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	119569	36.131	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	119569	116.089	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	199	2.778	ug/l #	24
95) Naphthalene	15.12	128	219	3.617	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.30	180	71	2.074	ug/l #	44

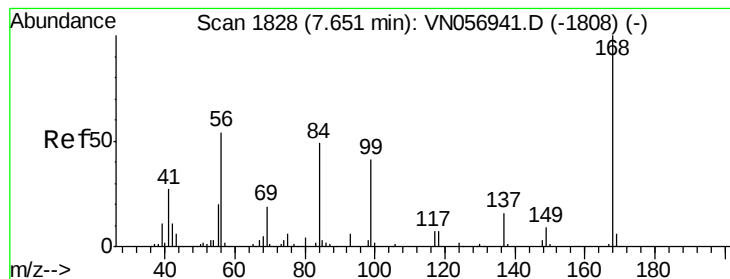
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

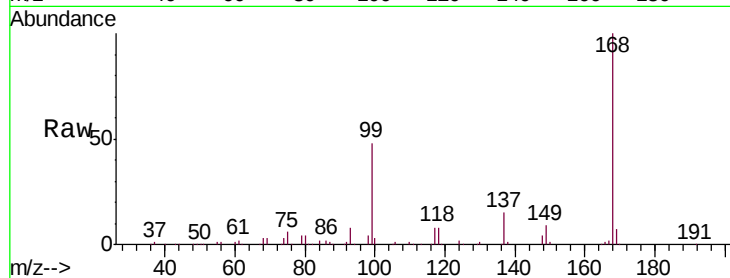
SA-PZ182I-20190731RE

Tgt Ion:168 Resp: 540757

Ion Ratio Lower Upper

168 100

99 48.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

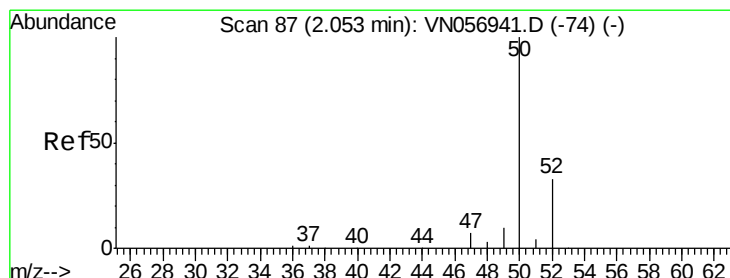
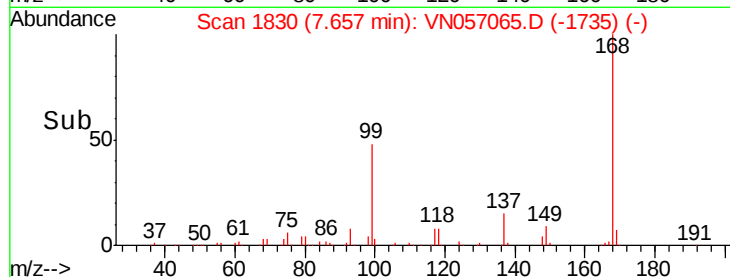
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.622 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057065.D

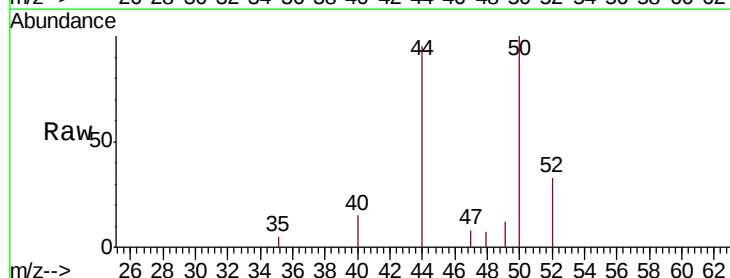
Acq: 2 Aug 2019 14:42

Tgt Ion: 50 Resp: 4072

Ion Ratio Lower Upper

50 100

52 32.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

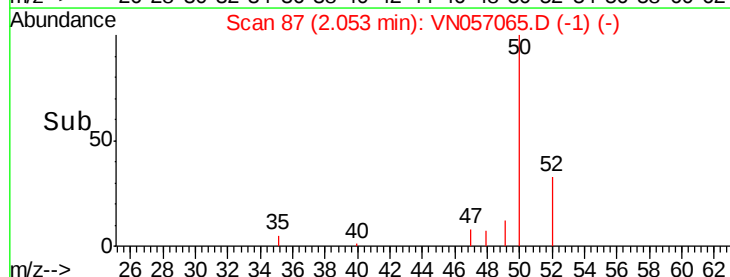
3000

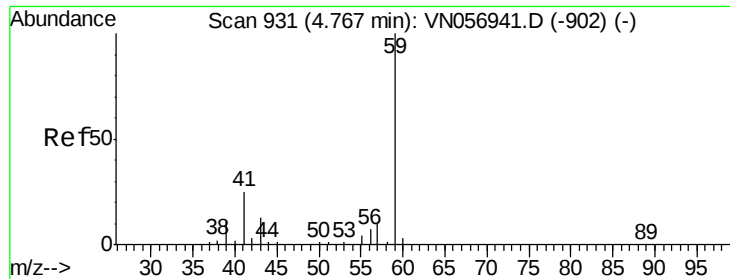
2000

1000

0

Time--> 2.02 2.04 2.06 2.08 2.10

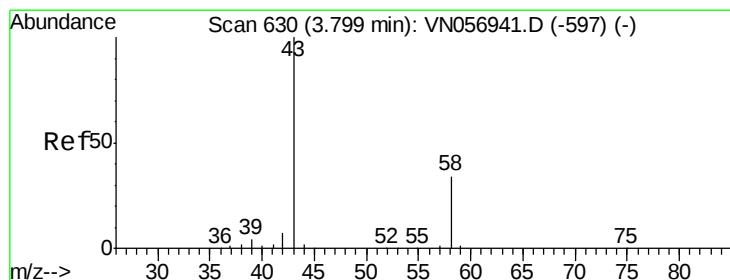
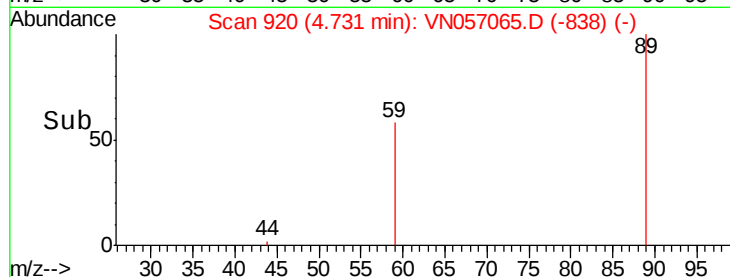
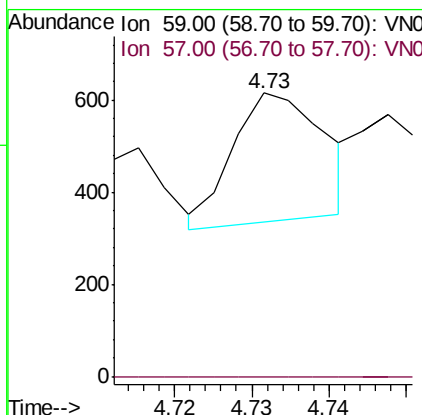
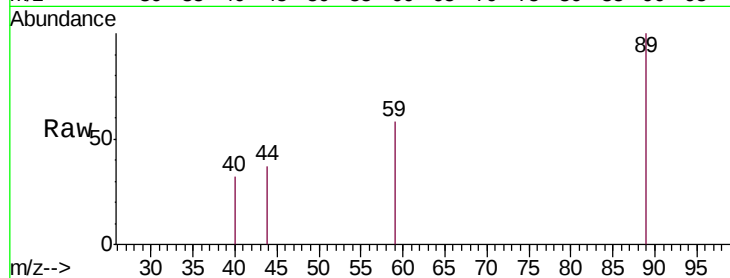




#11
Tert butyl alcohol
Concen: 0.306 ug/l
RT: 4.73 min Scan# 920
Delta R.T. -0.04 min
Lab File: VN057065.D
Acq: 2 Aug 2019 14:42

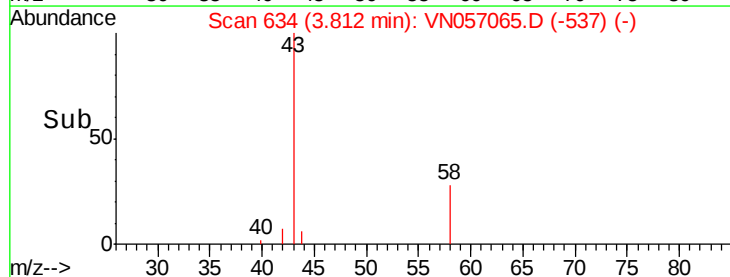
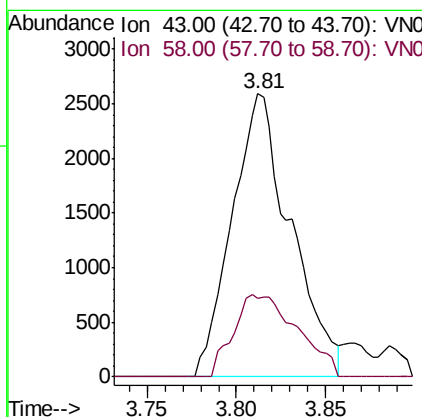
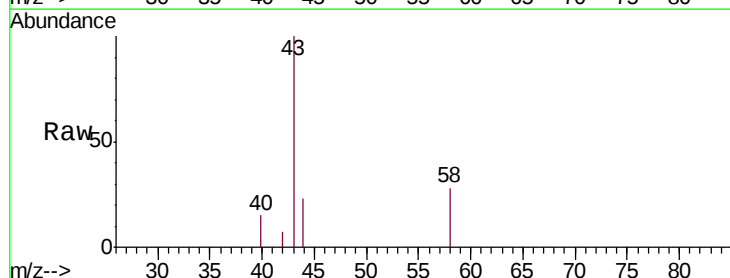
Instrument :
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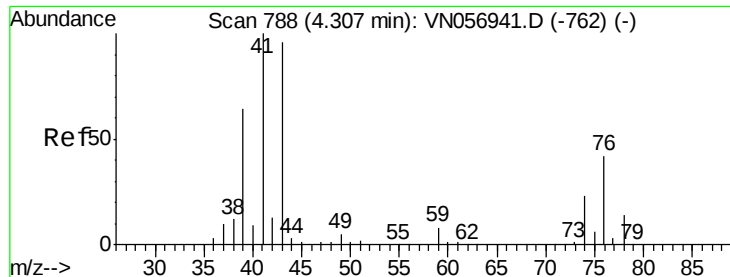
Tgt Ion: 59 Resp: 229
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#16
Acetone
Concen: 2.963 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.01 min
Lab File: VN057065.D
Acq: 2 Aug 2019 14:42

Tgt Ion: 43 Resp: 5942
Ion Ratio Lower Upper
43 100
58 27.9 27.2 40.8

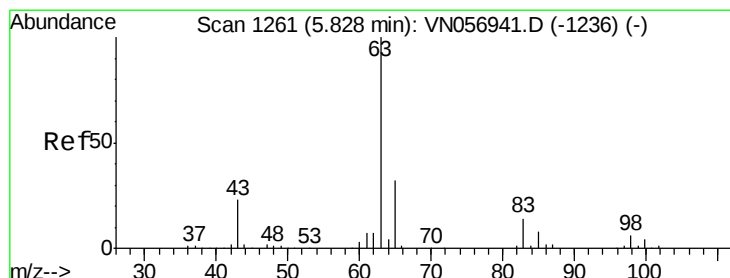
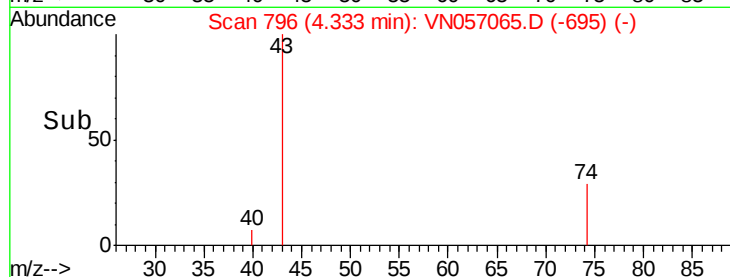
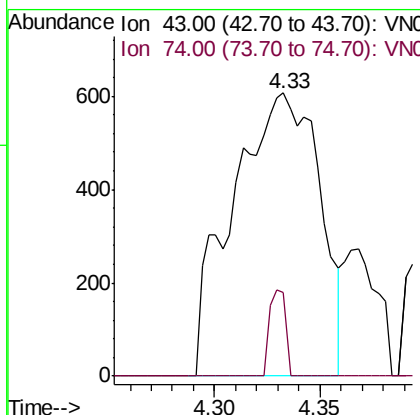
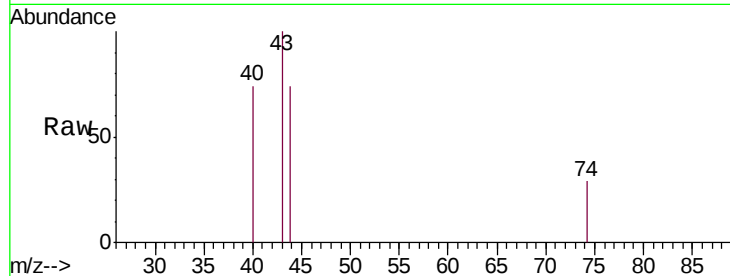




#18
Methyl Acetate
Concen: 0.272 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.03 min
Lab File: VN057065.D
Acq: 2 Aug 2019 14:42

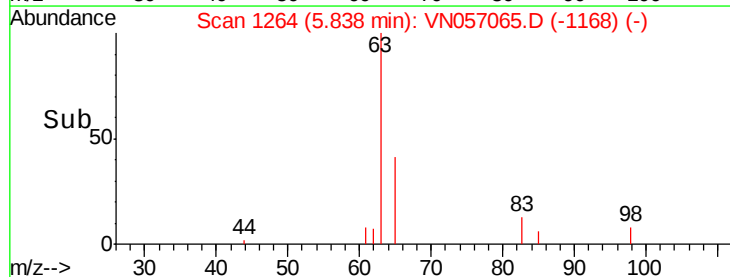
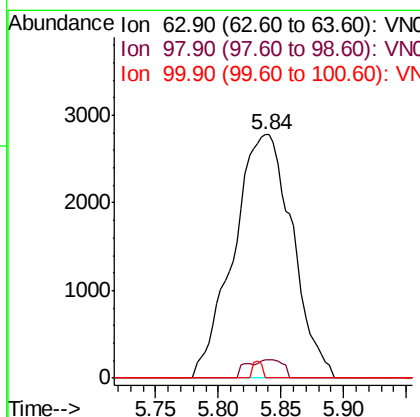
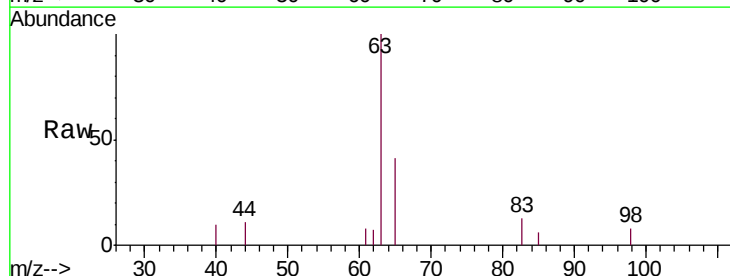
Instrument :
MSVOA_N
ClientSampleId :
SA-PZ182I-20190731RE

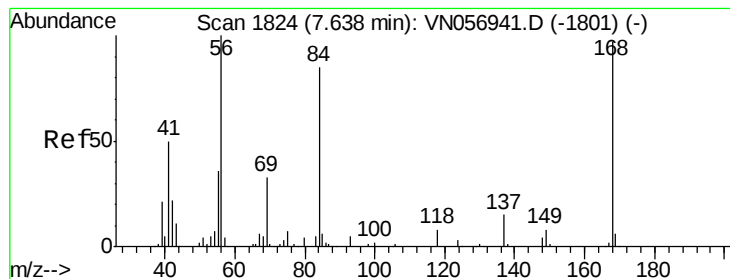
Tgt Ion: 43 Resp: 1741
Ion Ratio Lower Upper
43 100
74 5.7 19.7 29.5#



#24
1,1-Dichloroethane
Concen: 0.963 ug/l
RT: 5.84 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VN057065.D
Acq: 2 Aug 2019 14:42

Tgt Ion: 63 Resp: 9052
Ion Ratio Lower Upper
63 100
98 7.6 3.2 9.6
100 0.0 2.1 6.3#





#31

Cyclohexane

Concen: 0.877 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ182I-20190731RE

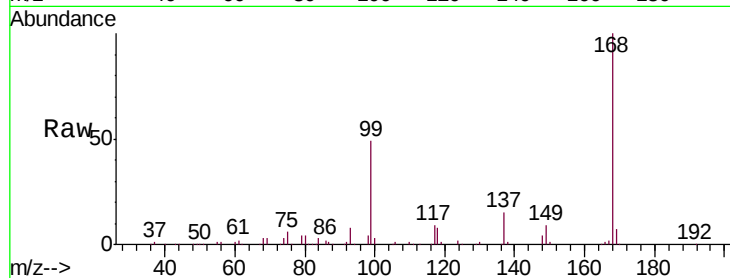
Tgt Ion: 56 Resp: 7975

Ion Ratio Lower Upper

56 100

69 213.3 26.2 39.2#

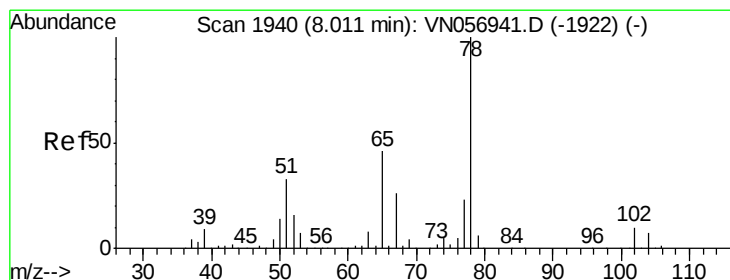
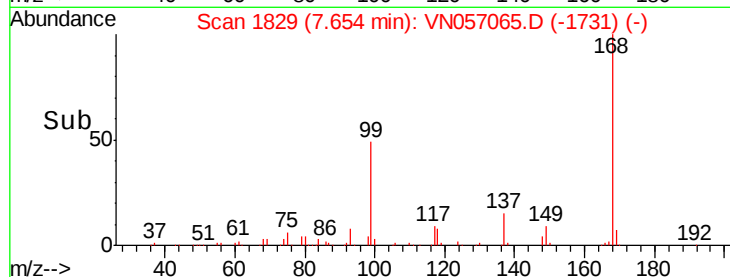
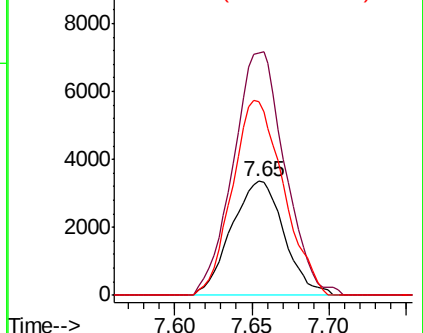
84 169.9 68.2 102.2#



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN056941.D (-1801) (-)



#33

1,2-Dichloroethane-d4

Concen: 53.754 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VN057065.D

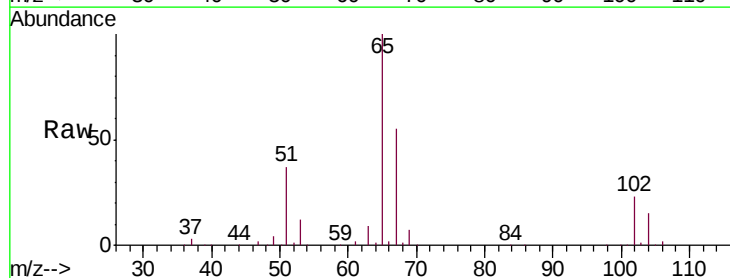
Acq: 2 Aug 2019 14:42

Tgt Ion: 65 Resp: 297553

Ion Ratio Lower Upper

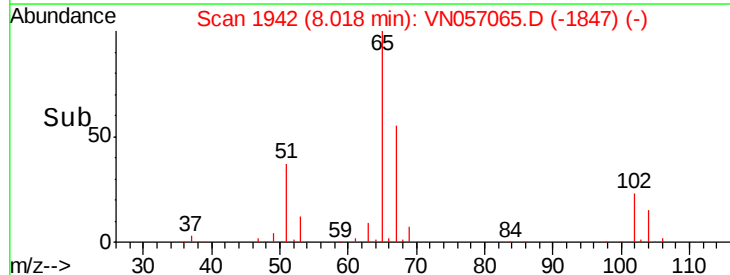
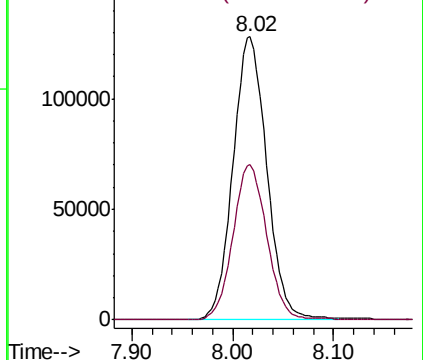
65 100

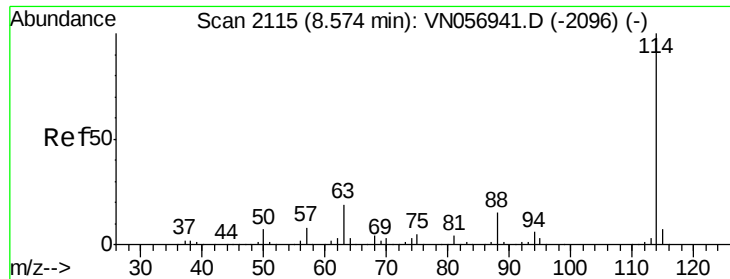
67 55.2 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056941.D (-1922) (-)

Ion 66.90 (66.60 to 67.60): VN056941.D (-1922) (-)

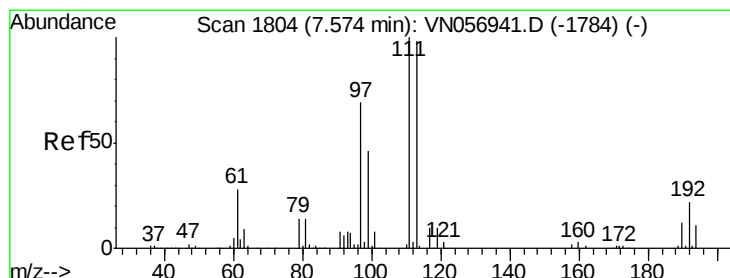
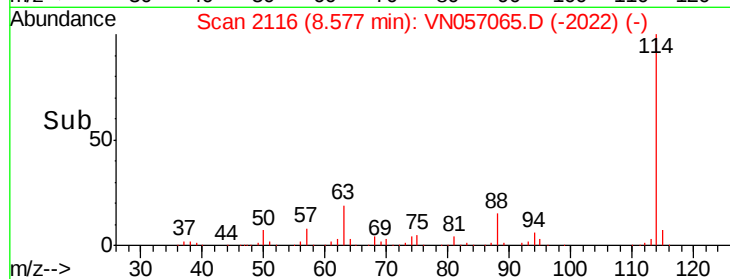
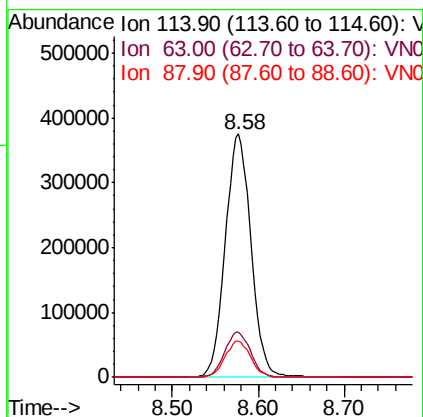
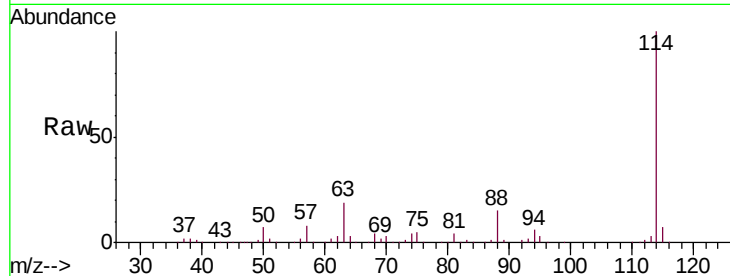




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057065.D
 Acq: 2 Aug 2019 14:42

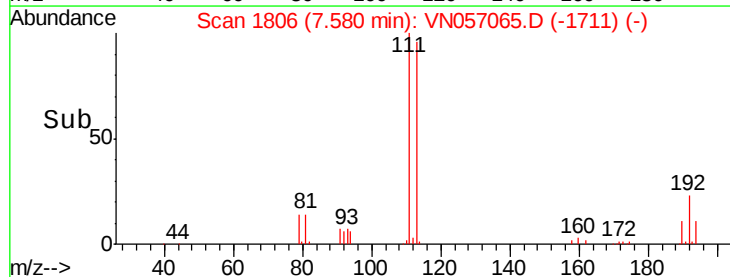
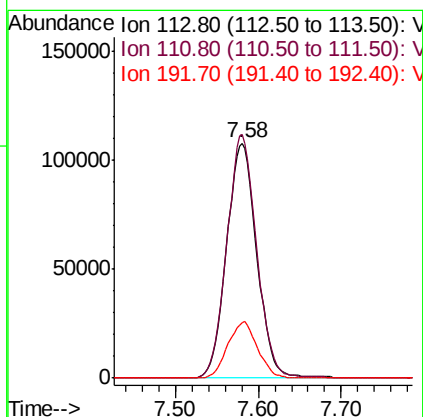
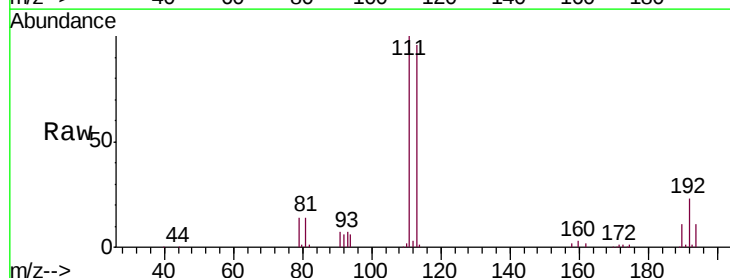
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-PZ182I-20190731RE

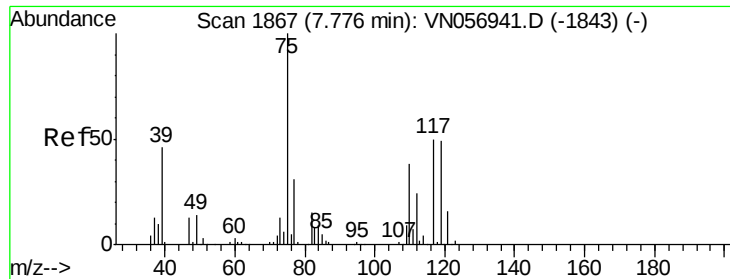
Tgt Ion:	114	Resp:	781012
Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.0
88	15.0	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 54.582 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057065.D
 Acq: 2 Aug 2019 14:42

Tgt Ion:	113	Resp:	272896
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	23.7	18.4	27.6





#36

1,1-Dichloropropene

Concen: 4.913 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ182I-20190731RE

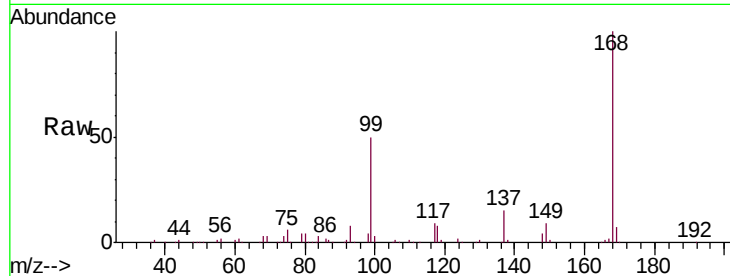
Tgt Ion: 75 Resp: 33765

Ion Ratio Lower Upper

75 100

110 9.2 18.6 55.8#

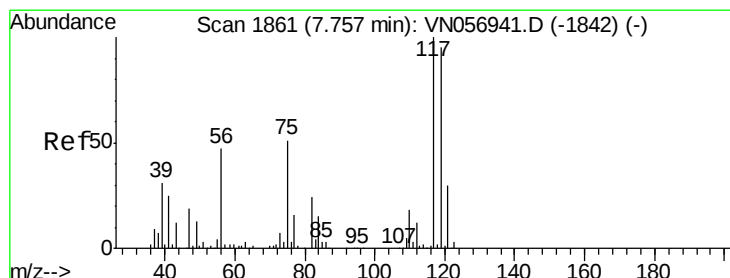
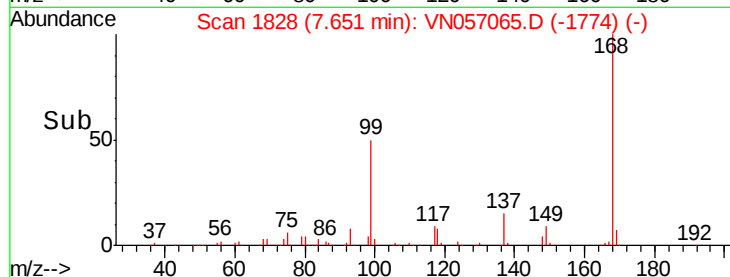
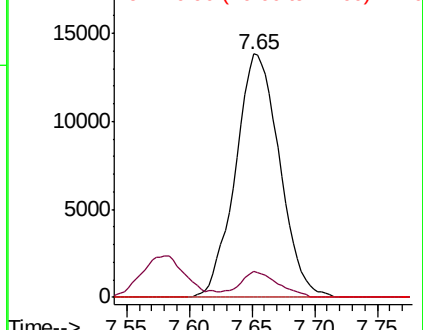
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 7.156 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

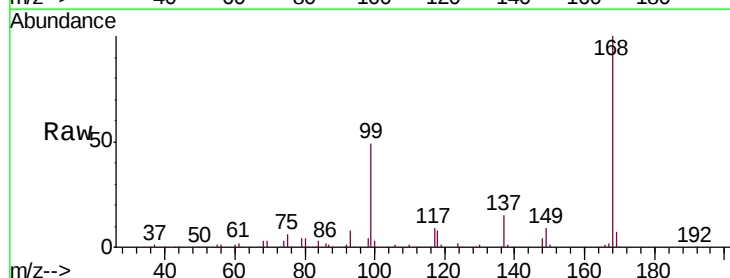
Tgt Ion: 117 Resp: 46521

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

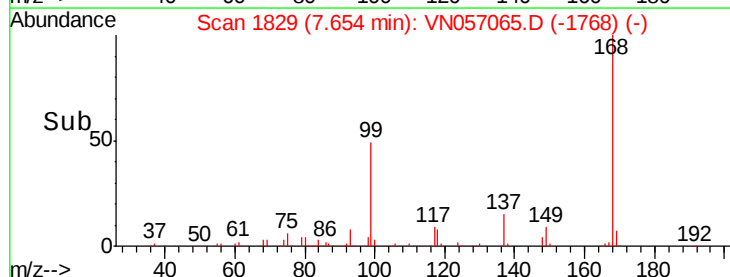
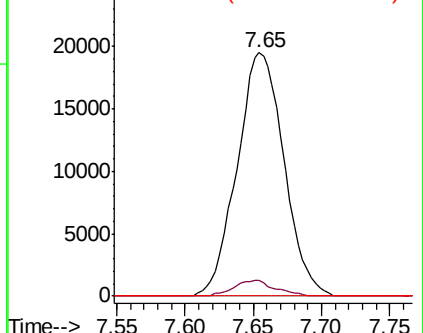
121 0.0 24.2 36.4#

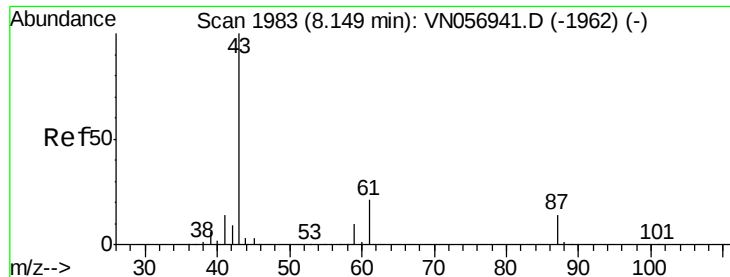


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.762 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.13 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ182I-20190731RE

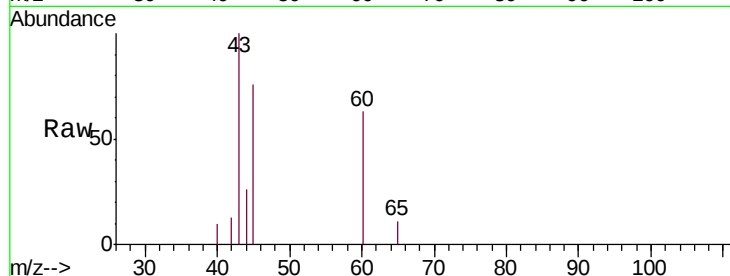
Tgt Ion: 43 Resp: 6928

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

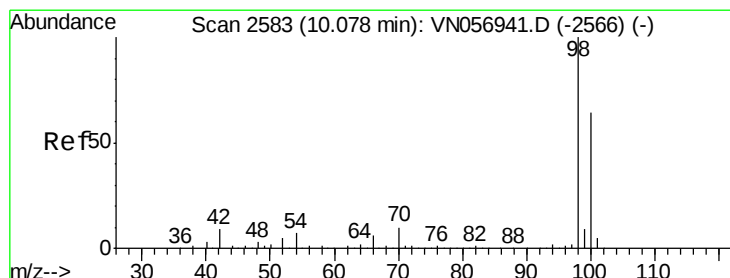
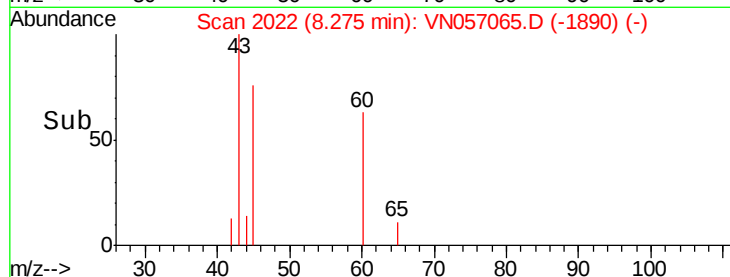
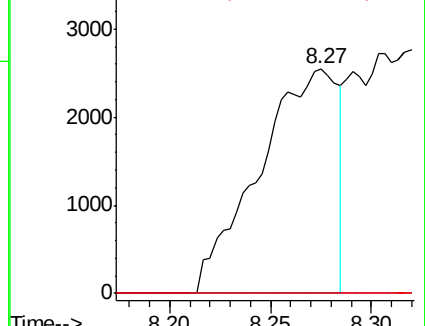
87 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#50

Toluene-d8

Concen: 53.678 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057065.D

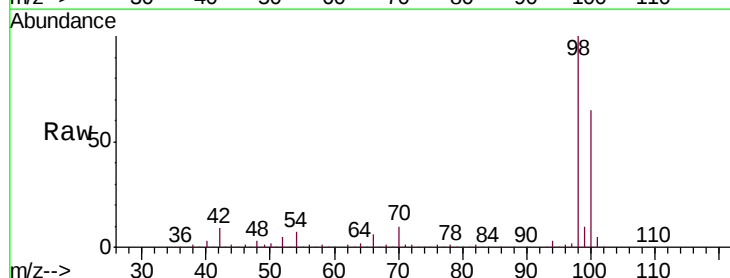
Acq: 2 Aug 2019 14:42

Tgt Ion: 98 Resp: 1023453

Ion Ratio Lower Upper

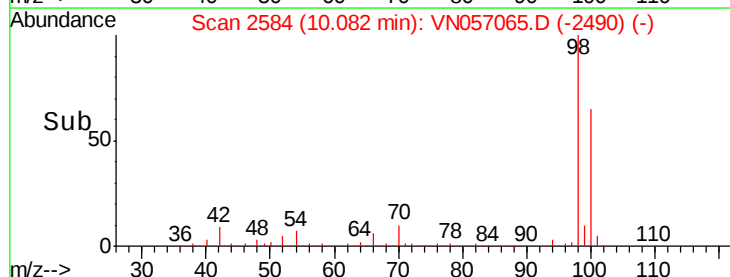
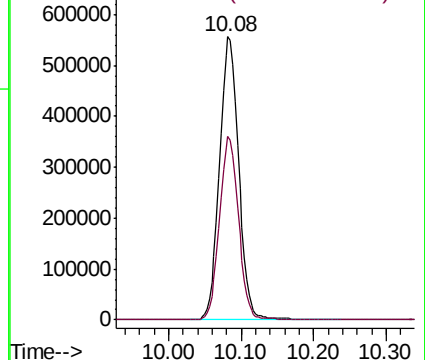
98 100

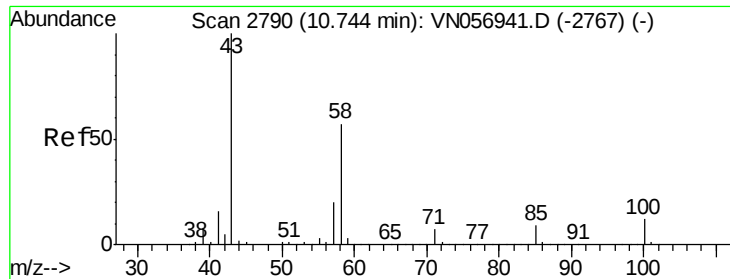
100 64.3 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN056941.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN056941.D (-2566) (-)





#59

2-Hexanone

Concen: 2.515 ug/l

RT: 10.73 min Scan# 2785

Delta R.T. -0.02 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

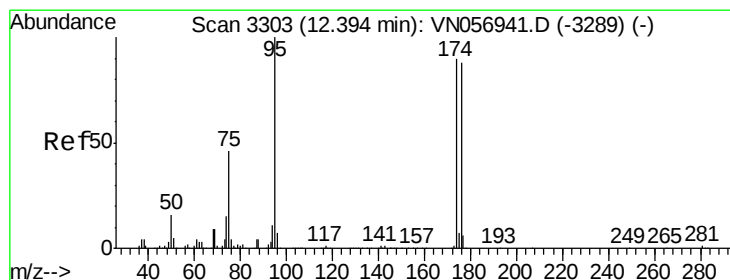
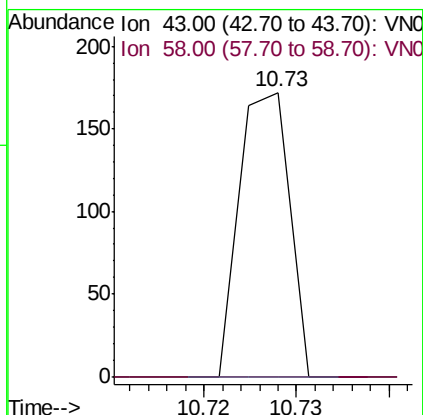
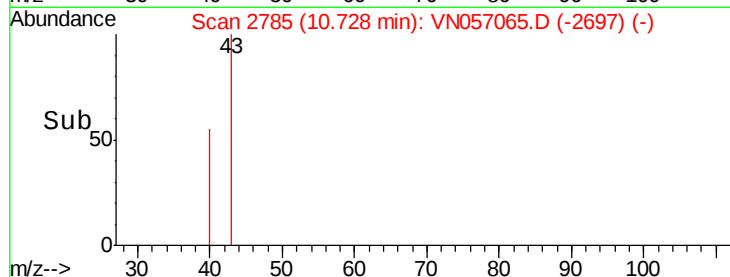
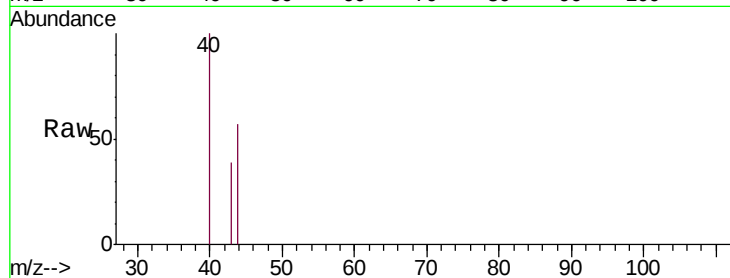
SA-PZ182I-20190731RE

Tgt Ion: 43 Resp: 65

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



#62

4-Bromofluorobenzene

Concen: 41.851 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

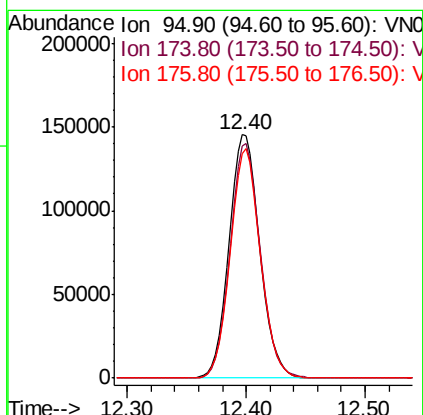
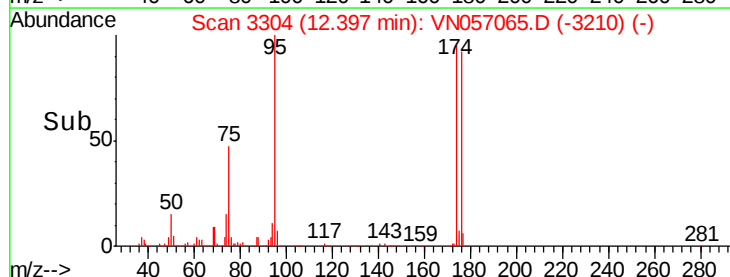
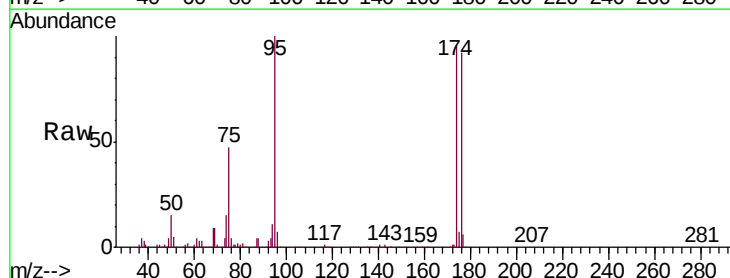
Tgt Ion: 95 Resp: 259769

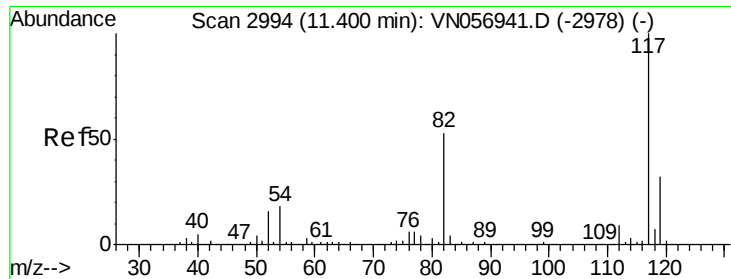
Ion Ratio Lower Upper

95 100

174 94.8 0.0 182.2

176 92.3 0.0 179.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ182I-20190731RE

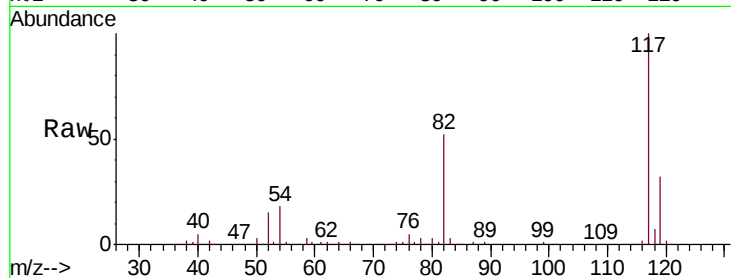
Tgt Ion:117 Resp: 636678

Ion Ratio Lower Upper

117 100

82 51.7 42.2 63.4

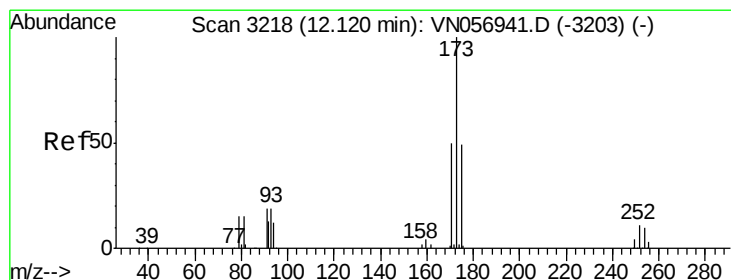
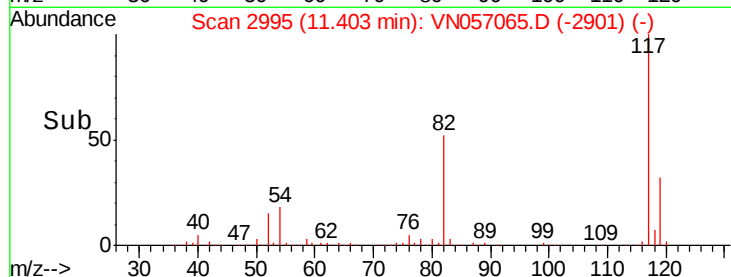
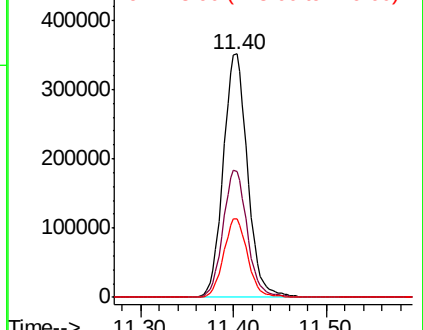
119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.535 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

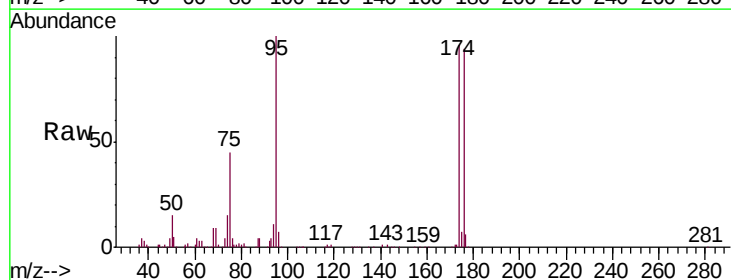
Tgt Ion:173 Resp: 1823

Ion Ratio Lower Upper

173 100

175 774.5 24.1 72.4#

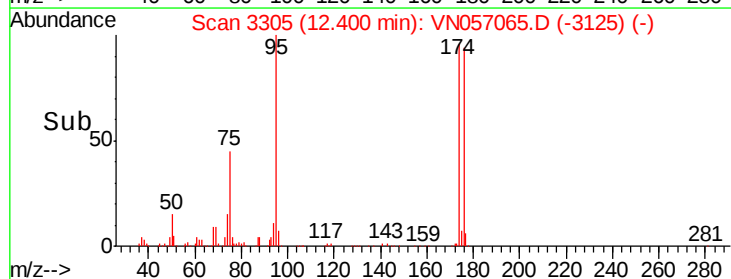
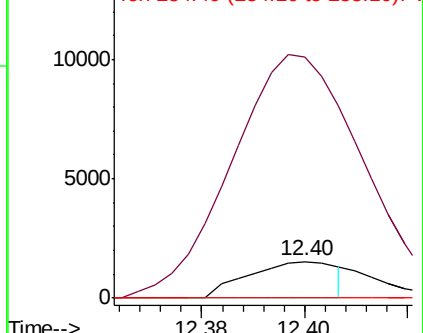
254 0.0 0.1 0.1#

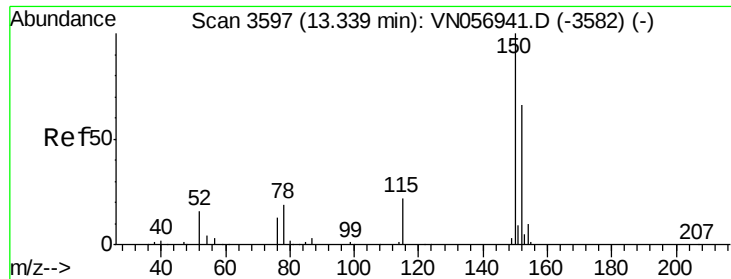


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ182I-20190731RE

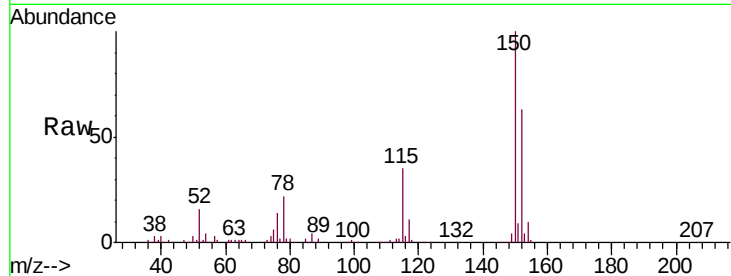
Tgt Ion:152 Resp: 162952

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

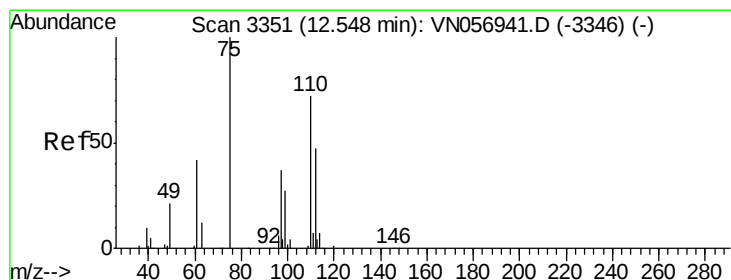
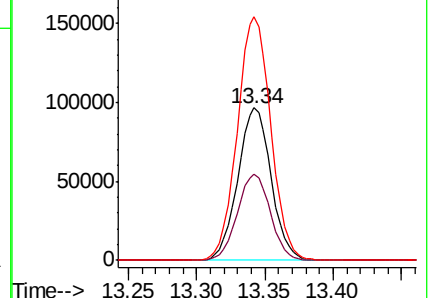
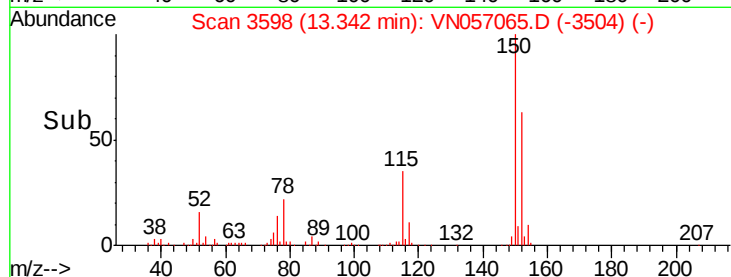
150 160.9 0.0 349.4



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: 36.131 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057065.D

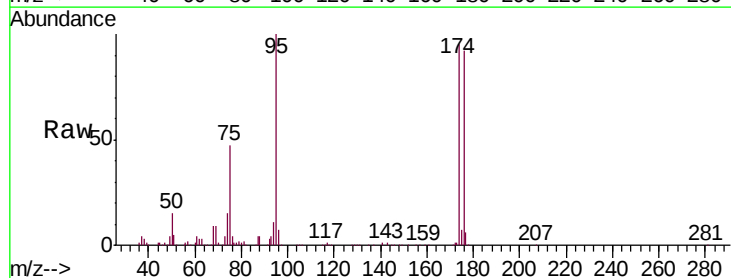
Acq: 2 Aug 2019 14:42

Tgt Ion: 75 Resp: 119569

Ion Ratio Lower Upper

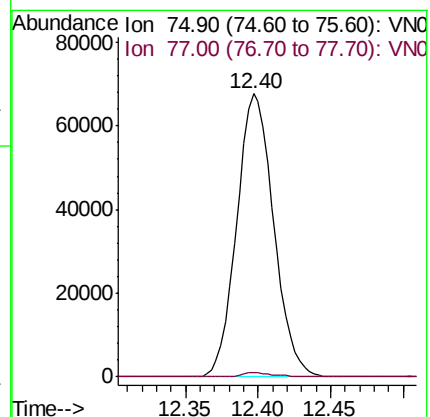
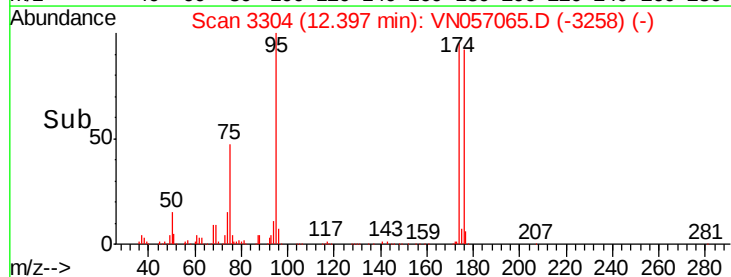
75 100

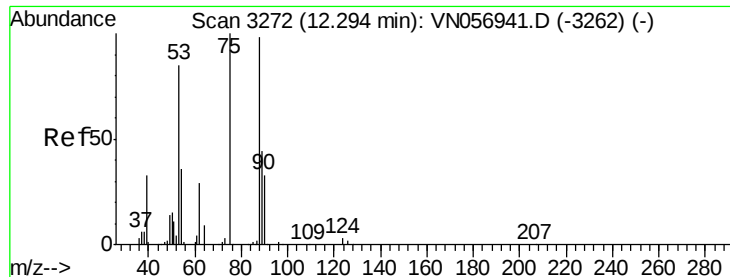
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 116.089 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ182I-20190731RE

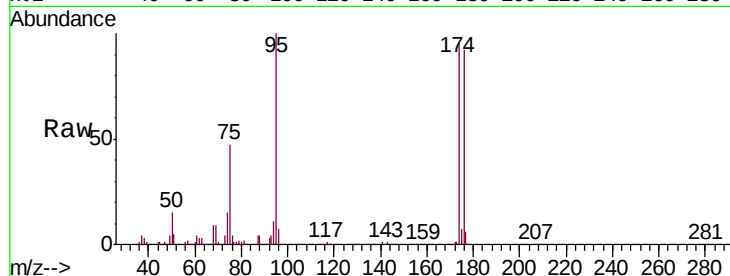
Tgt Ion: 75 Resp: 119569

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

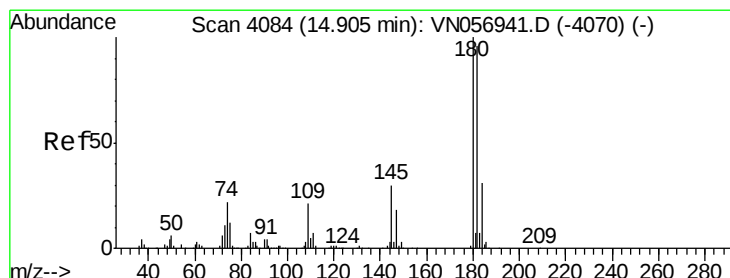
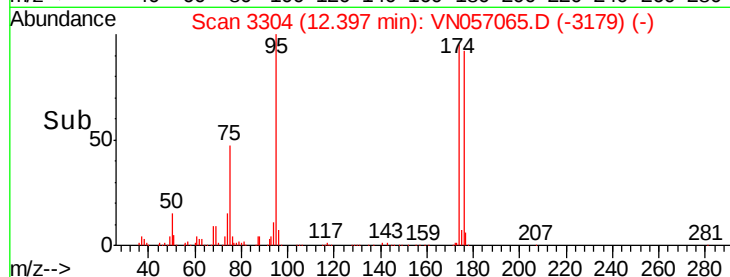
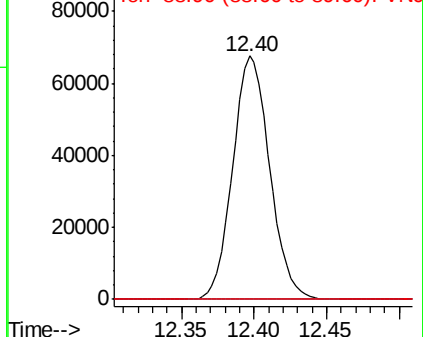
89 0.0 35.8 53.6#



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3262) (-)

Ion 53.00 (52.70 to 53.70): VN056941.D (-3262) (-)

Ion 88.90 (88.60 to 89.60): VN056941.D (-3262) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.778 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

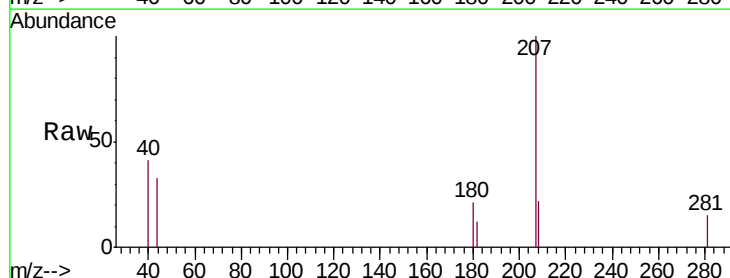
Tgt Ion: 180 Resp: 199

Ion Ratio Lower Upper

180 100

182 14.6 47.6 142.8#

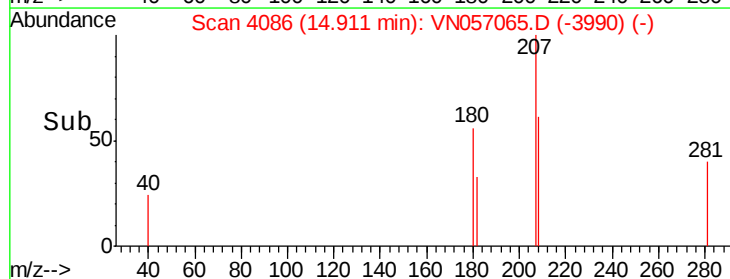
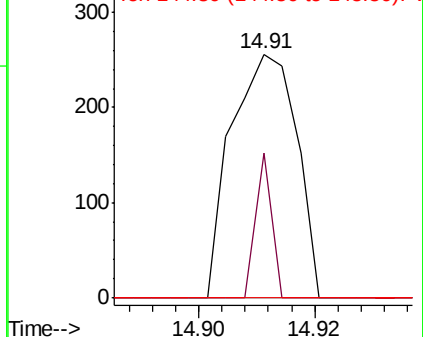
145 0.0 14.2 42.8#

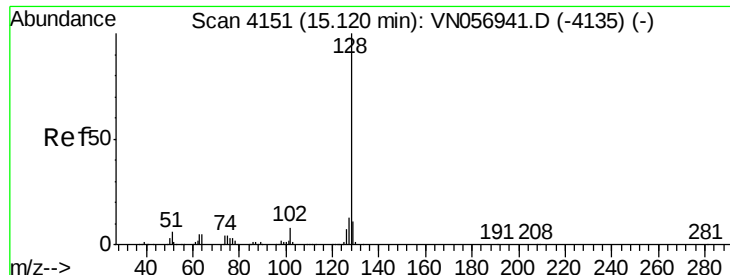


Abundance Ion 179.80 (179.50 to 180.50): VN056941.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN056941.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN056941.D (-4070) (-)





#95

Naphthalene

Concen: 3.617 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

SA-PZ182I-20190731RE

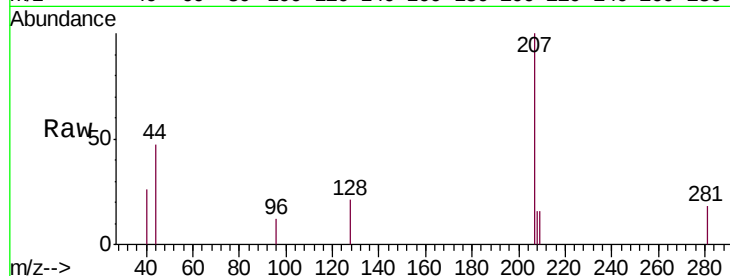
Tgt Ion:128 Resp: 219

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

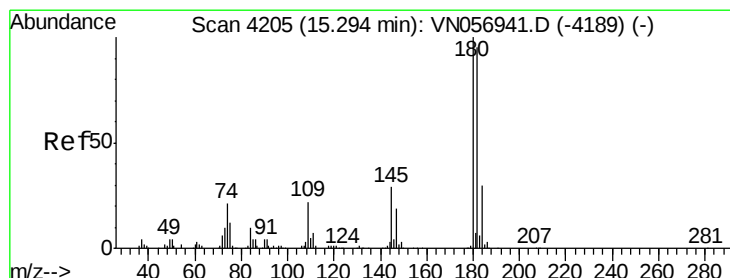
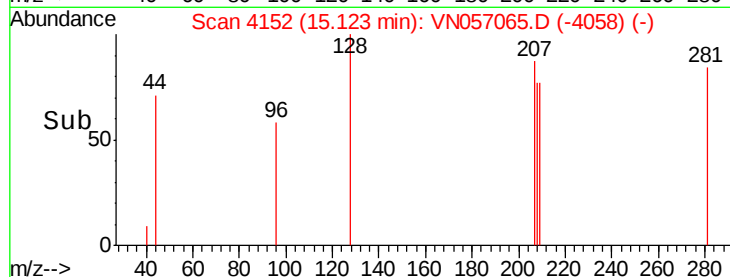
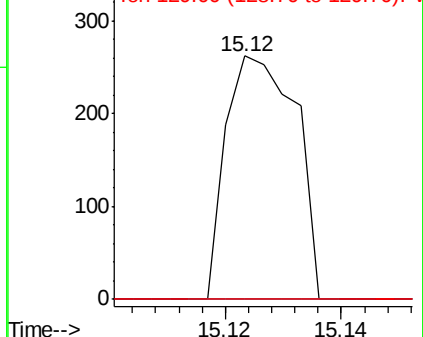
129 0.0 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.074 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057065.D

Acq: 2 Aug 2019 14:42

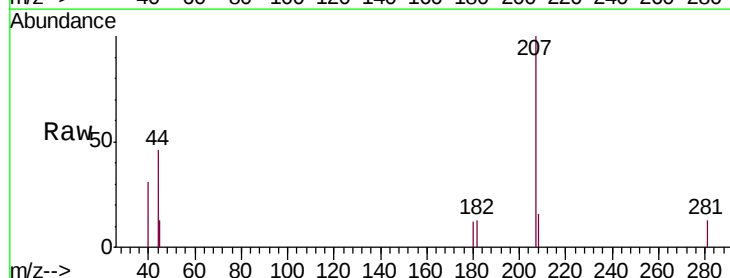
Tgt Ion:180 Resp: 71

Ion Ratio Lower Upper

180 100

182 150.7 48.0 144.2#

145 0.0 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

