

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057043.D
 Acq On : 1 Aug 2019 17:31
 Operator : JC/SP
 Sample : K4118-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-DUP02-20190731

Quant Time: Aug 02 05:15:25 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	555616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	800600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	664220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176292	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	314387	55.28	ug/l	0.00
Spiked Amount			Recovery	=	110.56%	
35) Dibromofluoromethane	7.58	113	285562	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	
50) Toluene-d8	10.08	98	1063867	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.40	95	277241	43.57	ug/l	0.00
Spiked Amount			Recovery	=	87.14%	

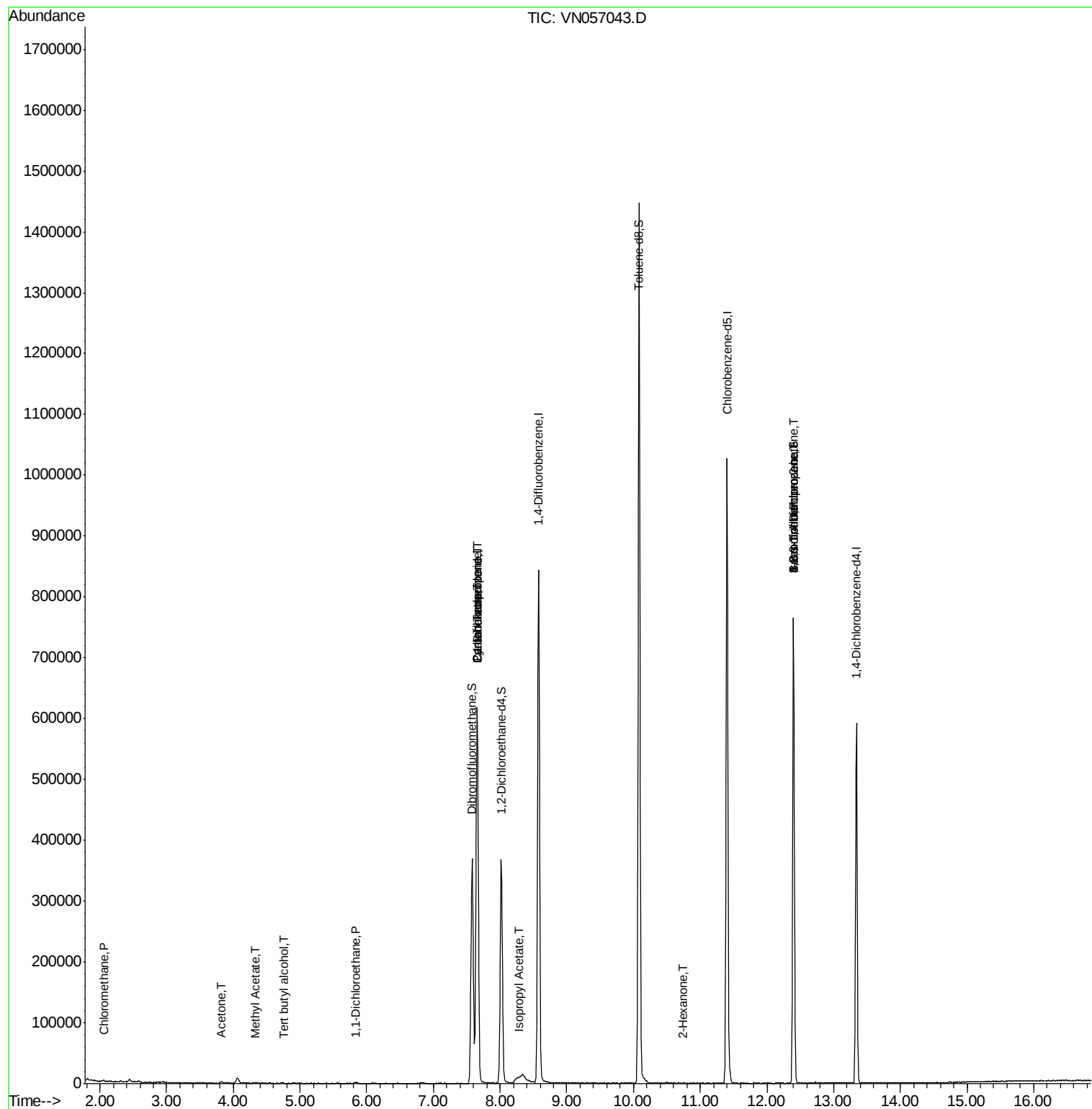
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3285	0.488	ug/l	89
11) Tert butyl alcohol	4.74	59	279	0.363	ug/l #	74
16) Acetone	3.81	43	5416	2.629	ug/l	98
18) Methyl Acetate	4.33	43	1890	0.288	ug/l #	51
24) 1,1-Dichloroethane	5.83	63	2395	0.248	ug/l #	84
31) Cyclohexane	7.66	56	7888	0.844	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	34161	4.849	ug/l #	48
38) Carbon Tetrachloride	7.66	117	47821	7.176	ug/l #	17
43) Isopropyl Acetate	8.27	43	13460	1.443	ug/l #	52
59) 2-Hexanone	10.74	43	67	2.515	ug/l #	23
71) Bromoform	12.39	173	2252	0.633	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	127104	35.502	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	127104	114.067	ug/l #	15

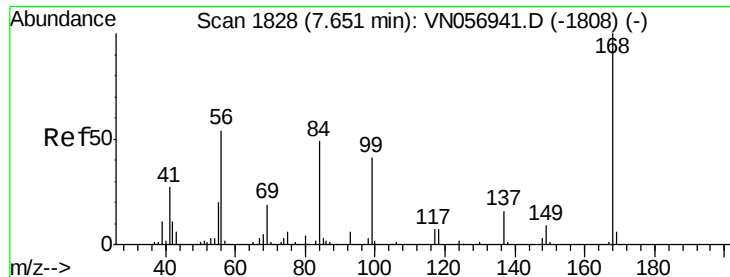
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057043.D

Acq: 1 Aug 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

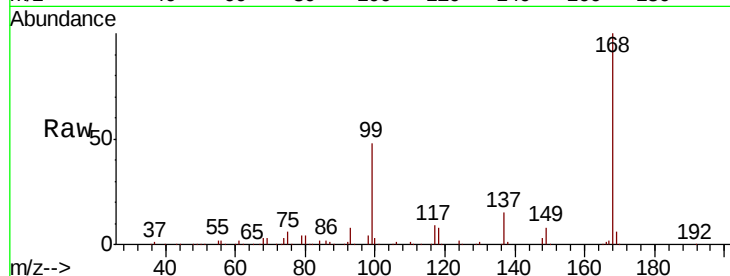
SA-DUP02-20190731

Tot Ion:168 Resp: 555616

Ion Ratio Lower Upper

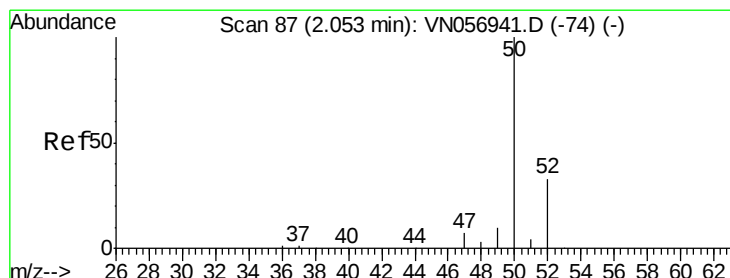
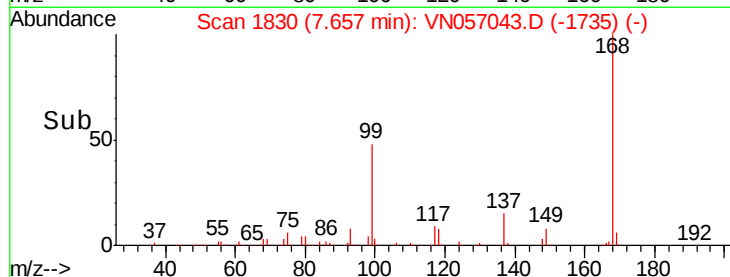
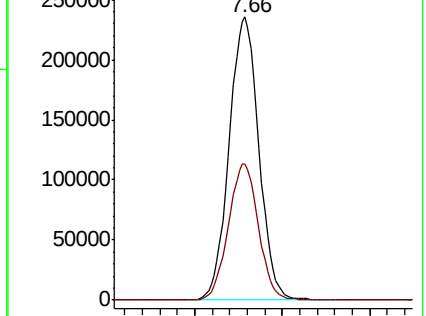
168 100

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



#3

Chloromethane

Concen: 0.488 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057043.D

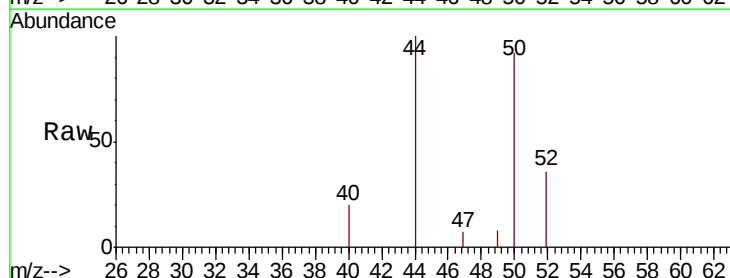
Acq: 1 Aug 2019 17:31

Tgt Ion: 50 Resp: 3285

Ion Ratio Lower Upper

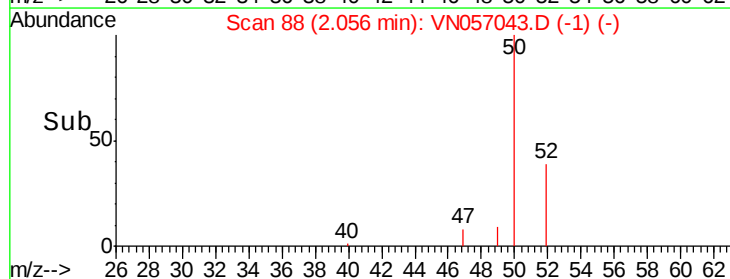
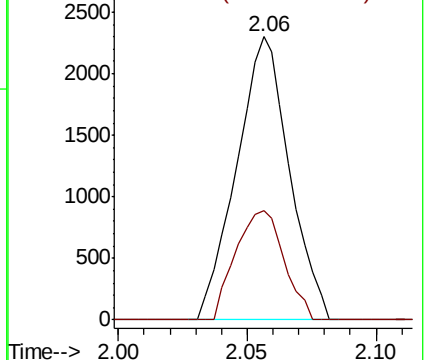
50 100

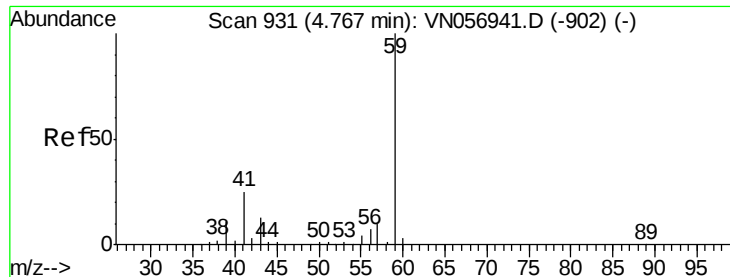
52 38.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

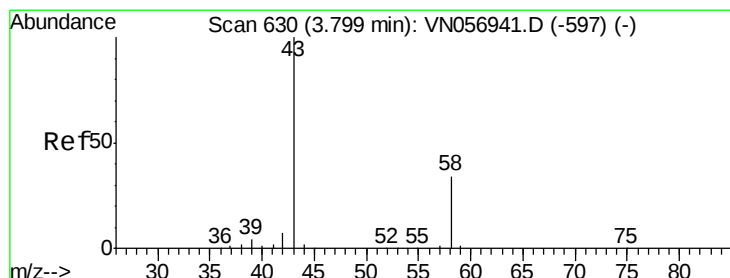
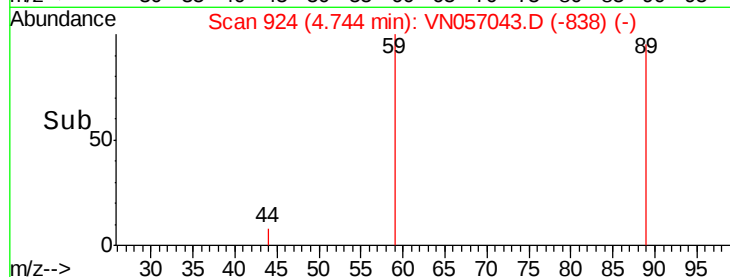
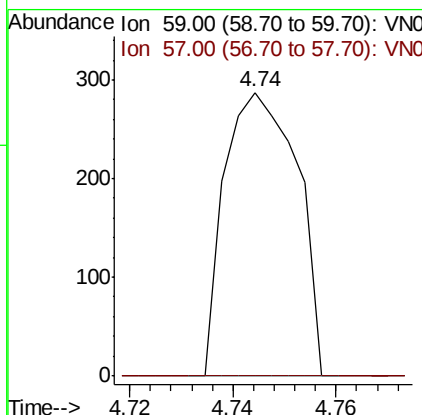
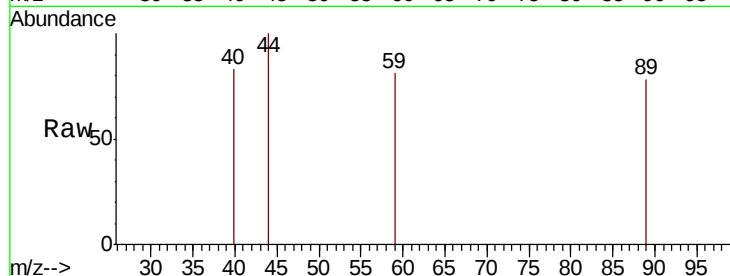




#11
Tert butyl alcohol
Concen: 0.363 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.02 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

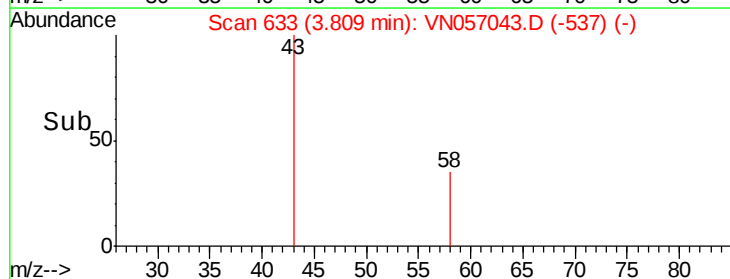
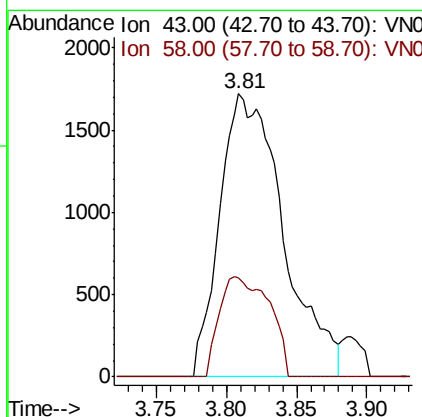
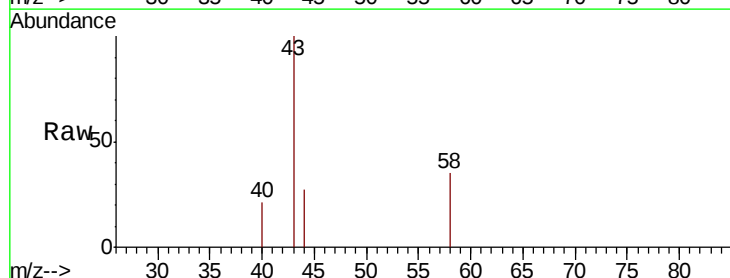
Instrument :
MSVOA_N
ClientSampleId :
SA-DUP02-20190731

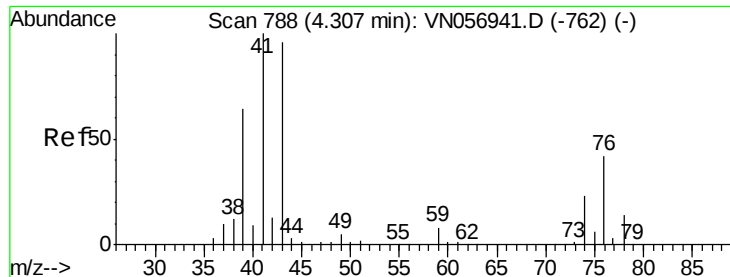
Tot Ion: 59 Resp: 279
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#



#16
Acetone
Concen: 2.629 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

Tgt Ion: 43 Resp: 5416
Ion Ratio Lower Upper
43 100
58 35.0 27.2 40.8

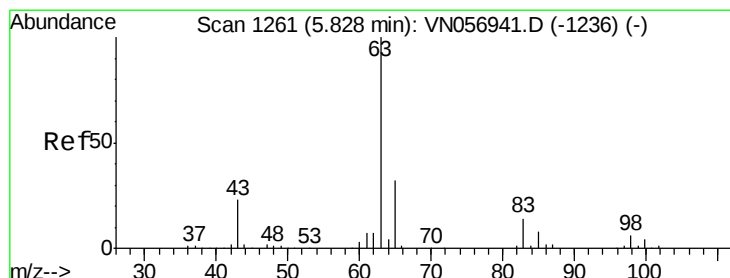
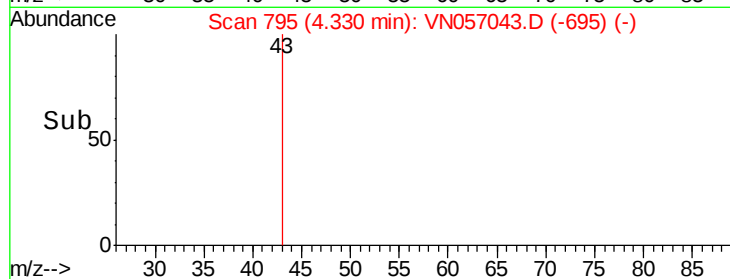
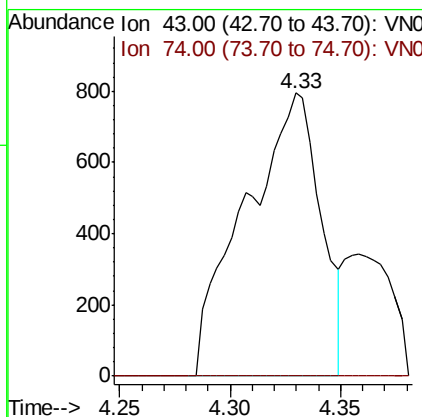
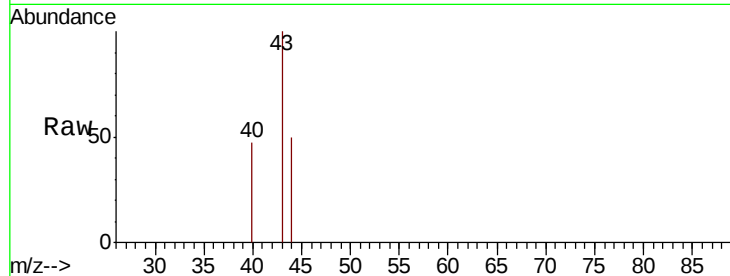




#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.02 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

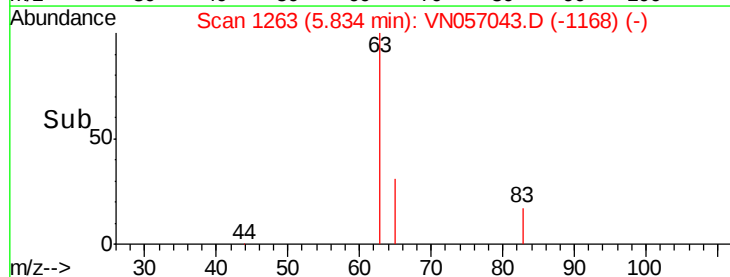
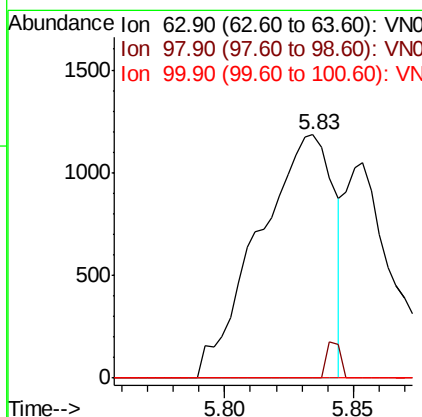
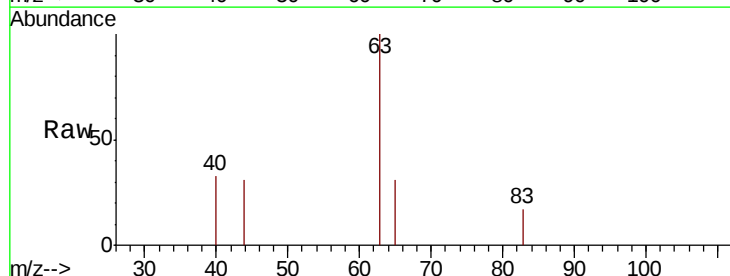
Instrument :
MSVOA_N
ClientSampleId :
SA-DUP02-20190731

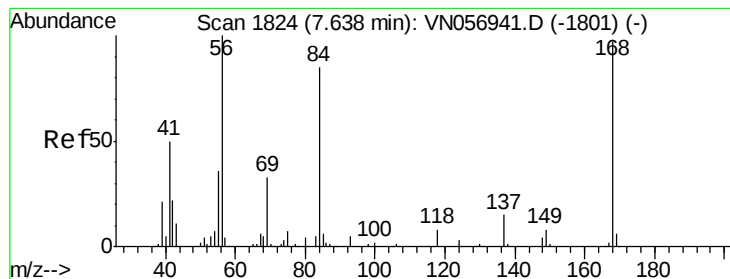
Tot Ion: 43 Resp: 1890
Ion Ratio Lower Upper
43 100
74 0.0 19.7 29.5#



#24
1,1-Dichloroethane
Concen: 0.248 ug/l
RT: 5.83 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

Tgt Ion: 63 Resp: 2395
Ion Ratio Lower Upper
63 100
98 0.0 3.2 9.6#
100 0.0 2.1 6.3#





#31

Cyclohexane

Concen: 0.844 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.02 min

Lab File: VN057043.D

Acq: 1 Aug 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

SA-DUP02-20190731

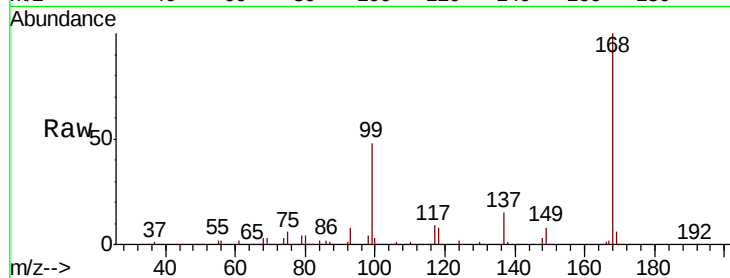
Tot Ion: 56 Resp: 7888

Ion Ratio Lower Upper

56 100

69 182.2 26.2 39.2#

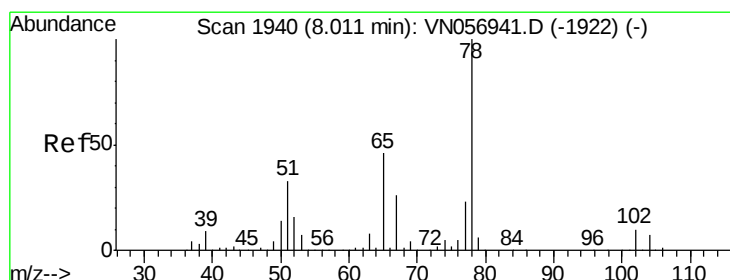
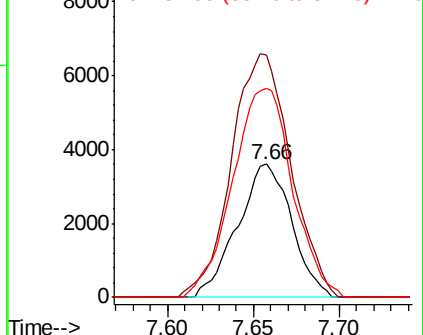
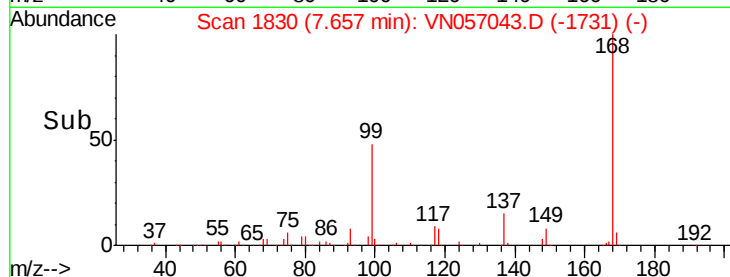
84 152.9 68.2 102.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 55.277 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057043.D

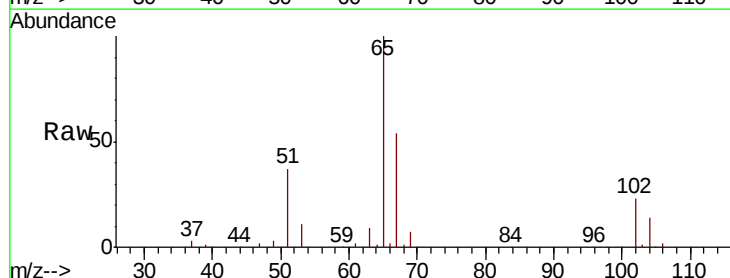
Acq: 1 Aug 2019 17:31

Tgt Ion: 65 Resp: 314387

Ion Ratio Lower Upper

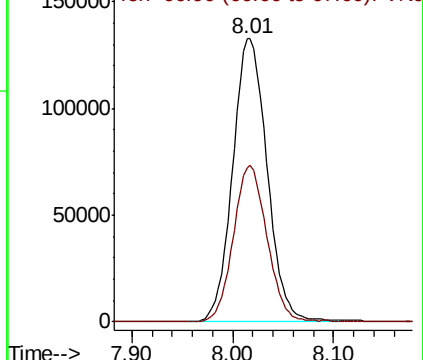
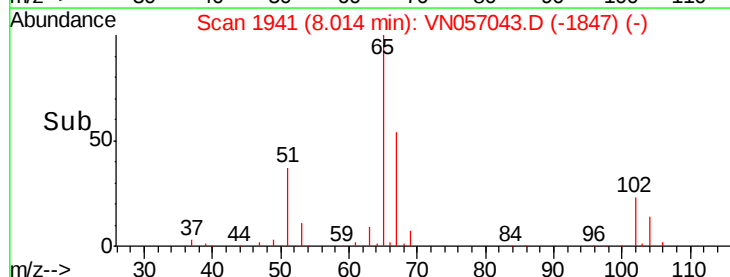
65 100

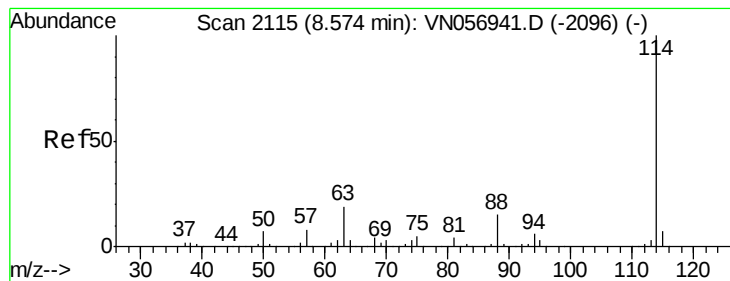
67 53.9 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN057043.D

Acq: 1 Aug 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

SA-DUP02-20190731

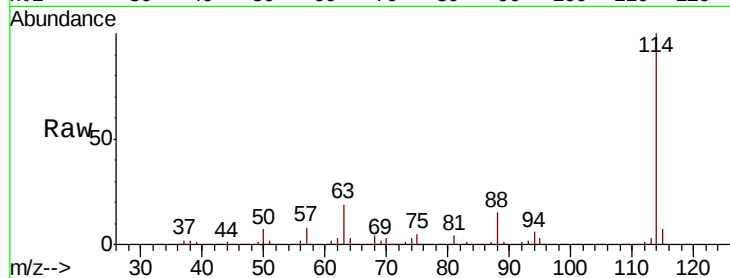
Tot Ion:114 Resp: 800600

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.0

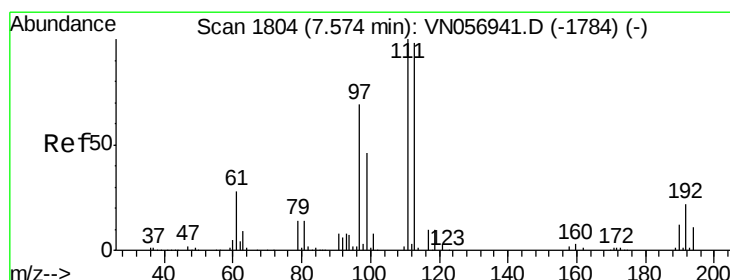
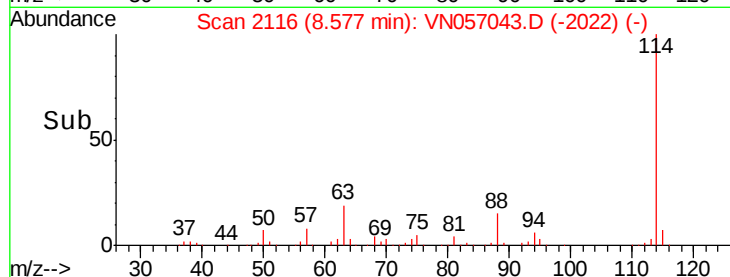
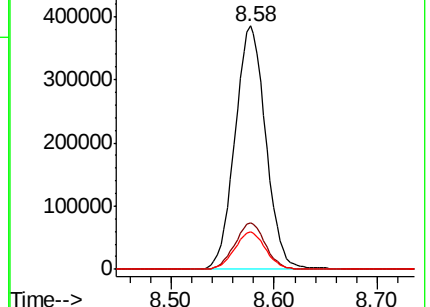
88 15.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 55.717 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.01 min

Lab File: VN057043.D

Acq: 1 Aug 2019 17:31

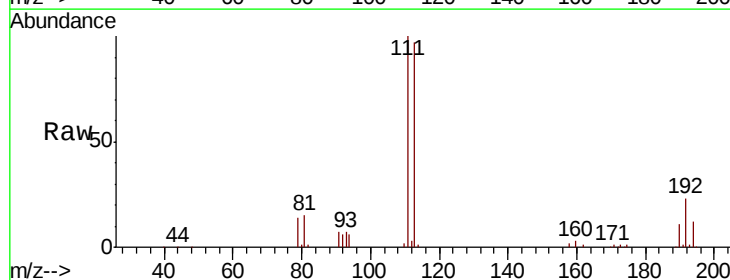
Tgt Ion:113 Resp: 285562

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

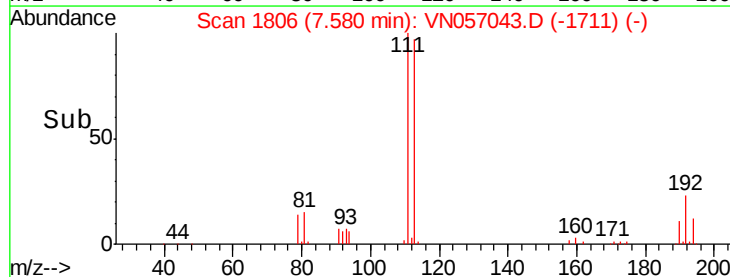
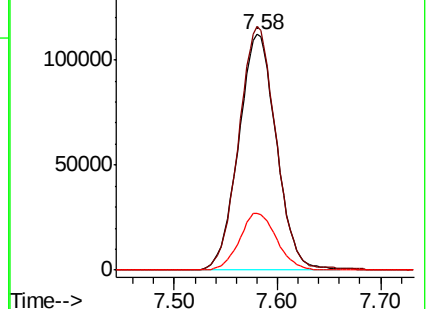
192 23.8 18.4 27.6

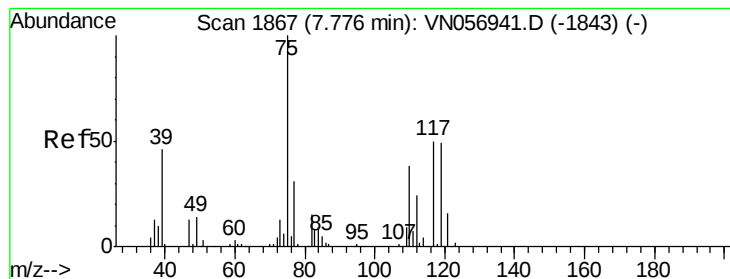


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.849 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN057043.D

Acq: 1 Aug 2019 17:31

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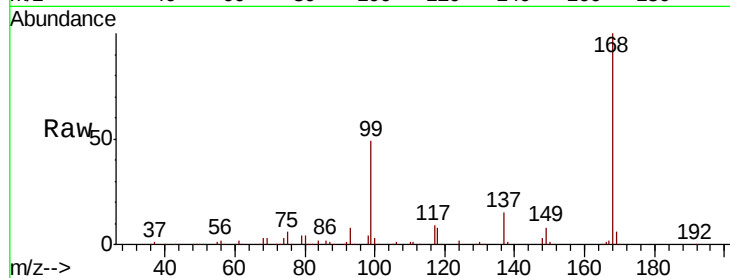
Tot Ion: 75 Resp: 34161

Ion Ratio Lower Upper

75 100

110 9.0 18.6 55.8#

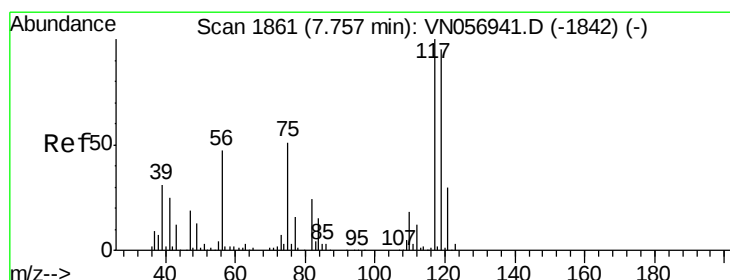
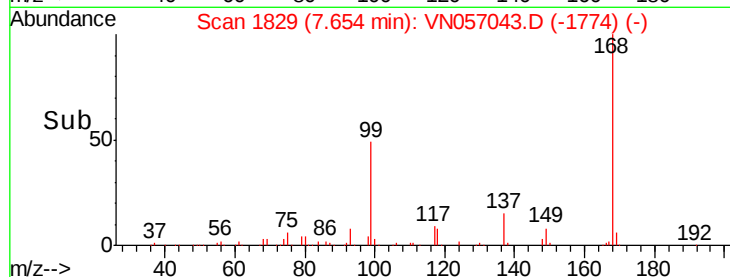
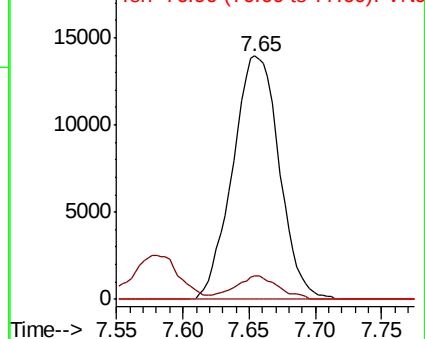
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN057043.D (-1774) (-)

Ion 109.90 (109.60 to 110.60): VN057043.D (-1774) (-)

Ion 76.90 (76.60 to 77.60): VN057043.D (-1774) (-)



#38

Carbon Tetrachloride

Concen: 7.176 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.10 min

Lab File: VN057043.D

Acq: 1 Aug 2019 17:31

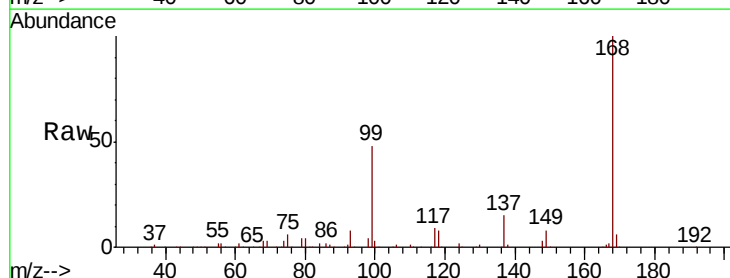
Tgt Ion: 117 Resp: 47821

Ion Ratio Lower Upper

117 100

119 5.5 75.3 112.9#

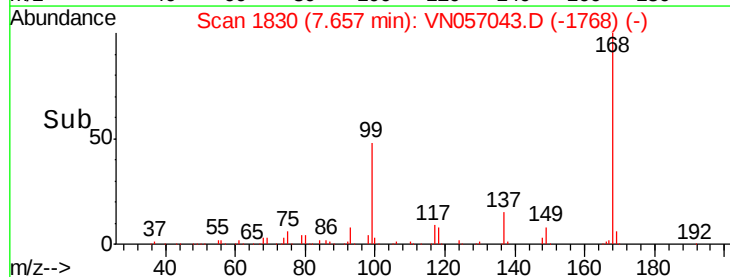
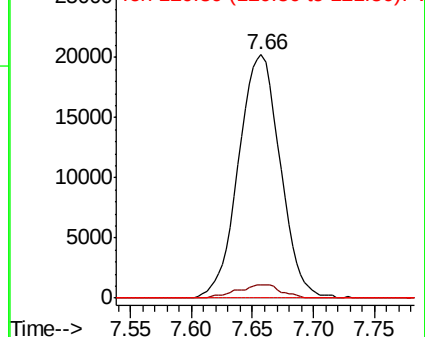
121 0.0 24.2 36.4#

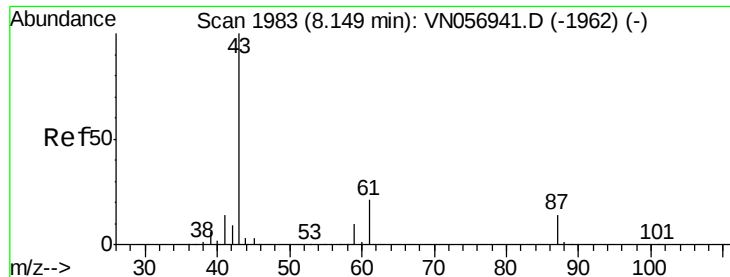


Abundance Ion 116.80 (116.50 to 117.50): VN057043.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN057043.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN057043.D (-1768) (-)





#43

Isopropyl Acetate

Concen: 1.443 ug/l

RT: 8.27 min Scan# 2022

Delta R.T. 0.13 min

Lab File: VN057043.D

Acq: 1 Aug 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

SA-DUP02-20190731

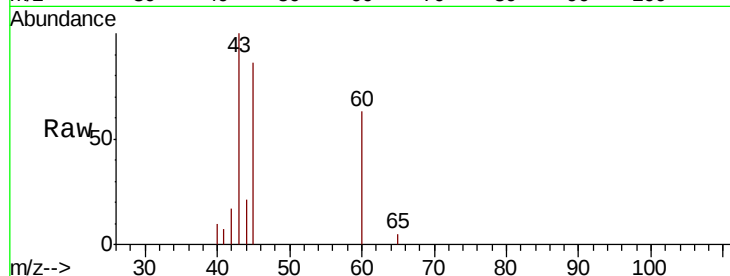
Tot Ion: 43 Resp: 13460

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

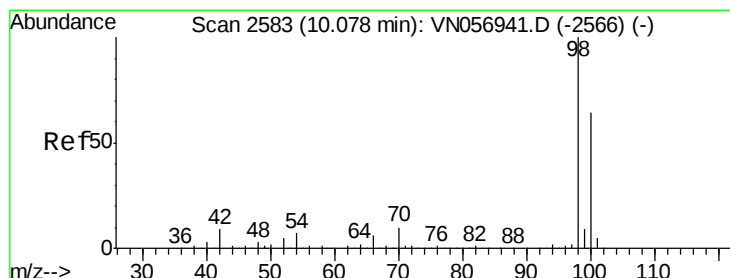
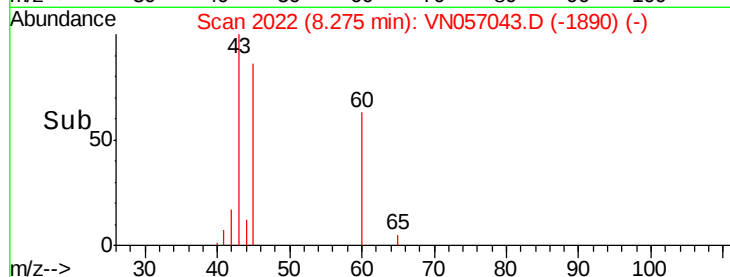
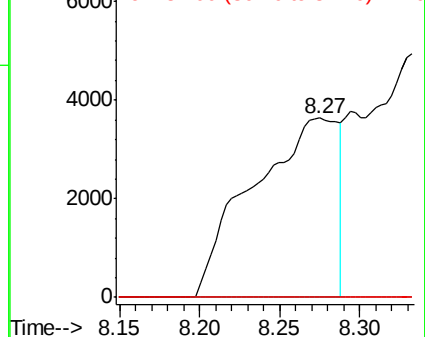
87 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 54.432 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057043.D

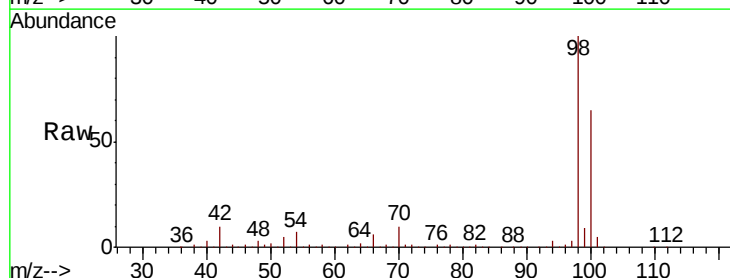
Acq: 1 Aug 2019 17:31

Tgt Ion: 98 Resp: 1063867

Ion Ratio Lower Upper

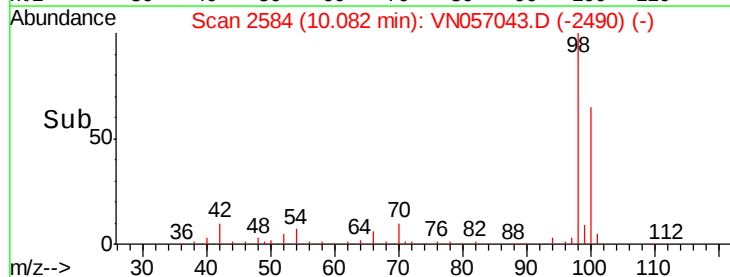
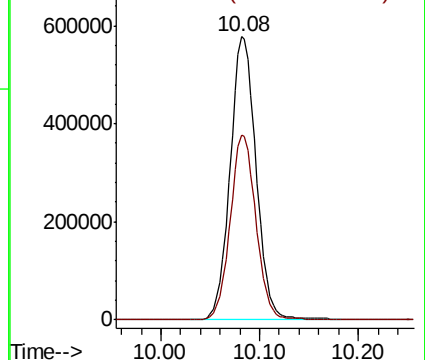
98 100

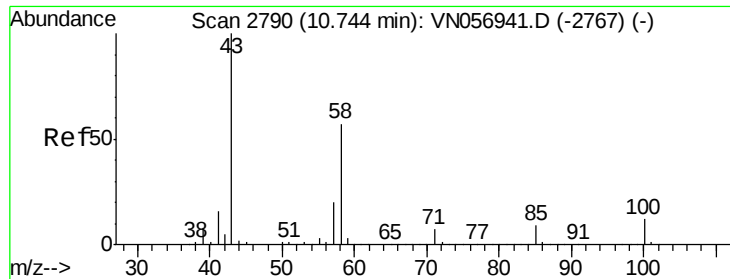
100 64.7 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

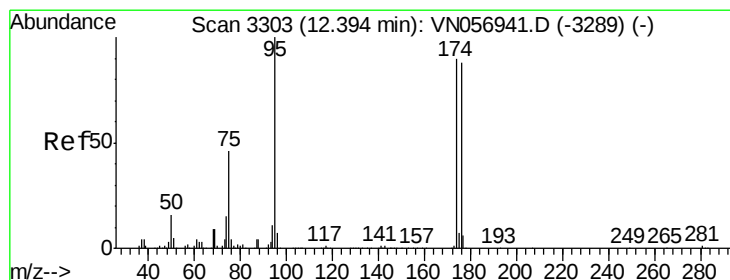
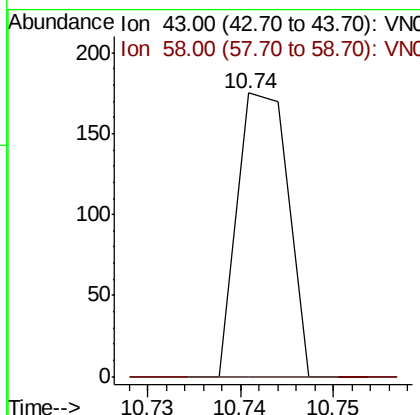
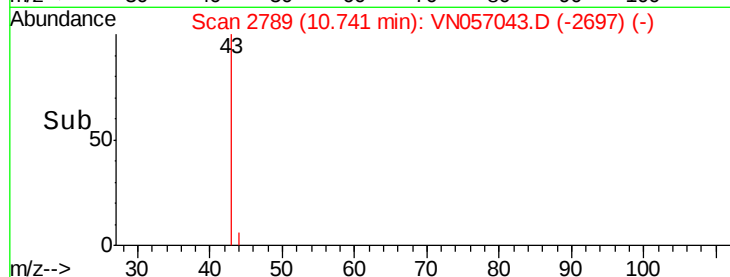
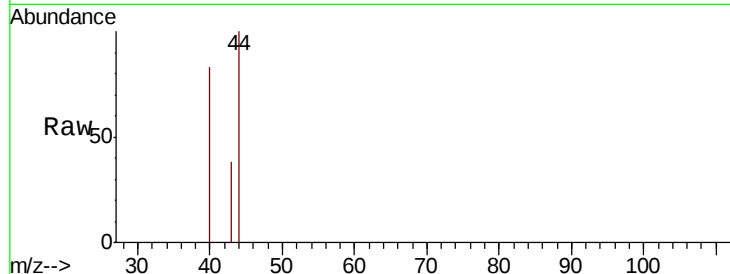




#59
2-Hexanone
Concen: 2.515 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

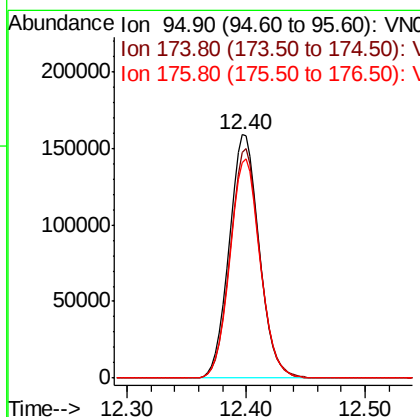
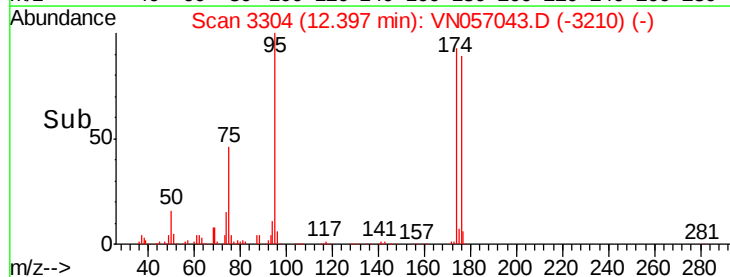
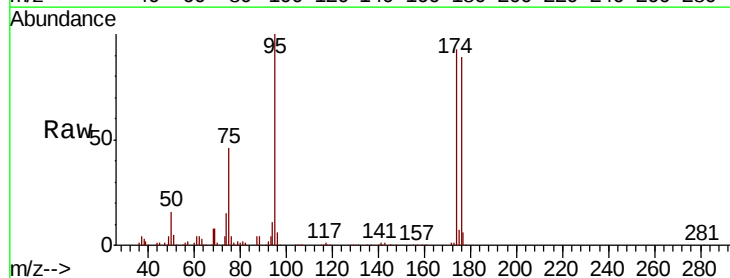
Instrument :
MSVOA_N
ClientSampleId :
SA-DUP02-20190731

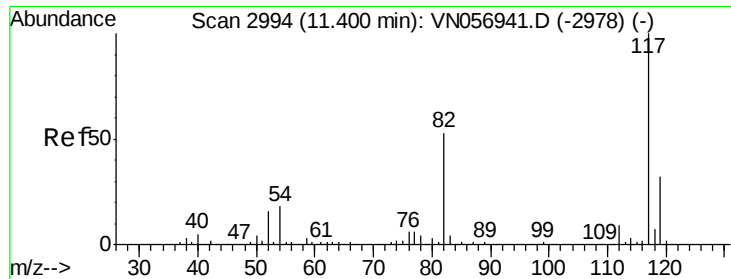
Tot Ion: 43 Resp: 67
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 43.573 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

Tgt Ion: 95 Resp: 277241
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.2
176 90.6 0.0 179.4

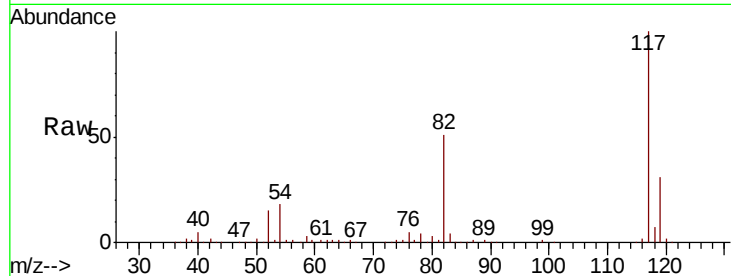




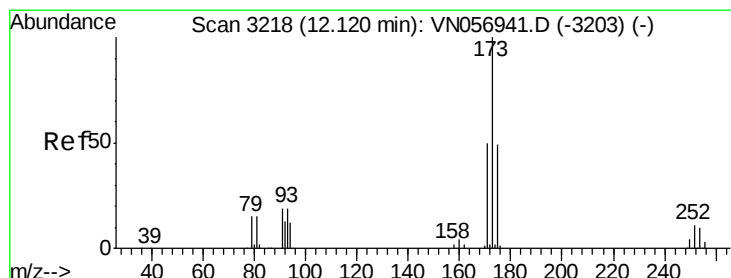
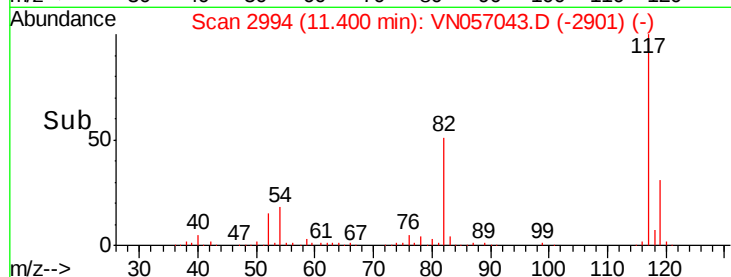
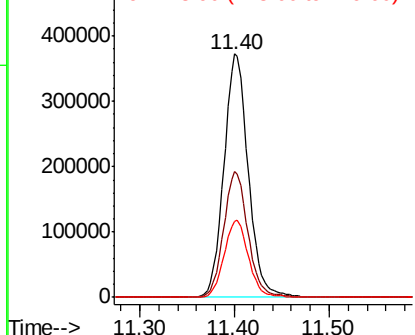
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

Instrument :
MSVOA_N
ClientSampleId :
SA-DUP02-20190731

Tot Ion:117 Resp: 664220
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.4
119 31.3 25.8 38.6

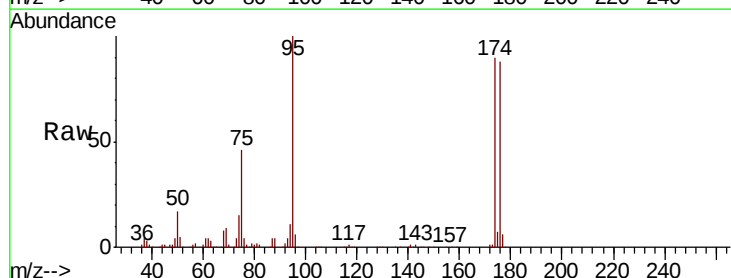


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

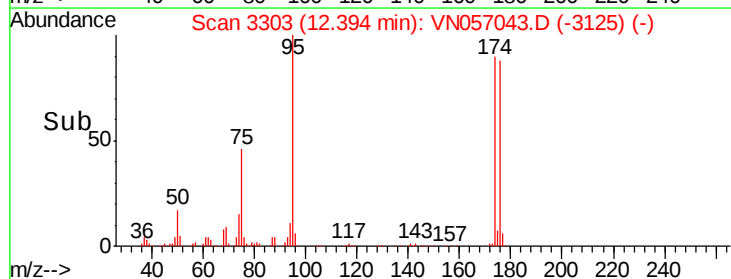
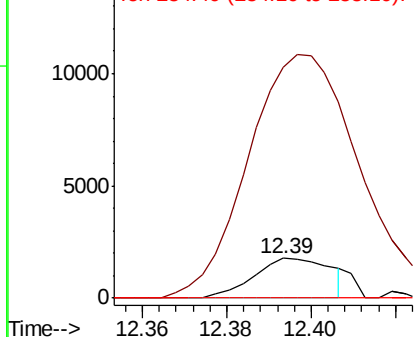


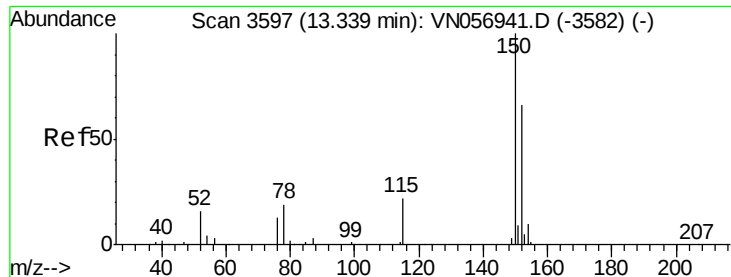
#71
Bromoform
Concen: 0.633 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN057043.D
Acq: 1 Aug 2019 17:31

Tgt Ion:173 Resp: 2252
Ion Ratio Lower Upper
173 100
175 688.4 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: VN057043.D

Acq: 1 Aug 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

SA-DUP02-20190731

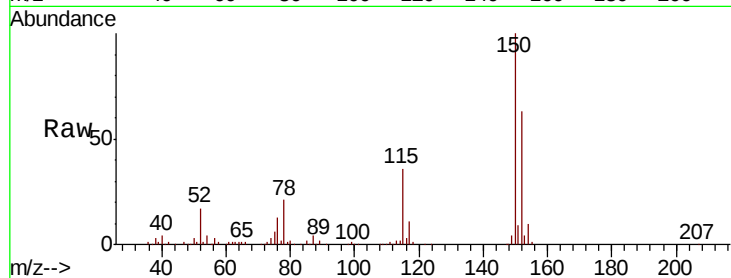
Tot Ion:152 Resp: 176292

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

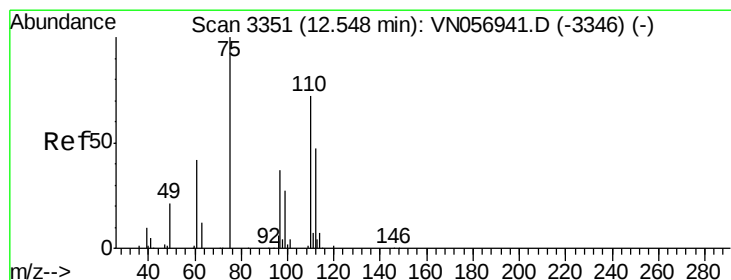
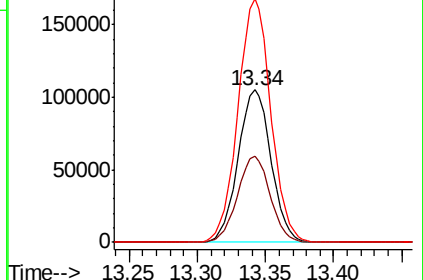
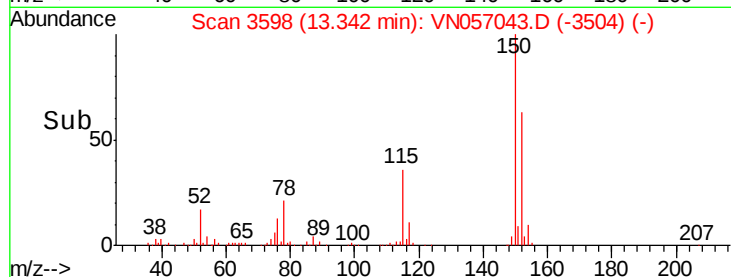
150 159.2 0.0 349.4



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: 35.502 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057043.D

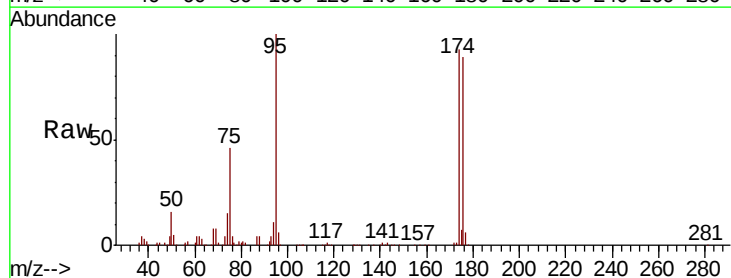
Acq: 1 Aug 2019 17:31

Tgt Ion: 75 Resp: 127104

Ion Ratio Lower Upper

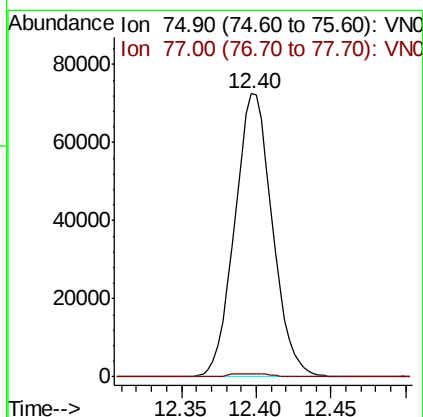
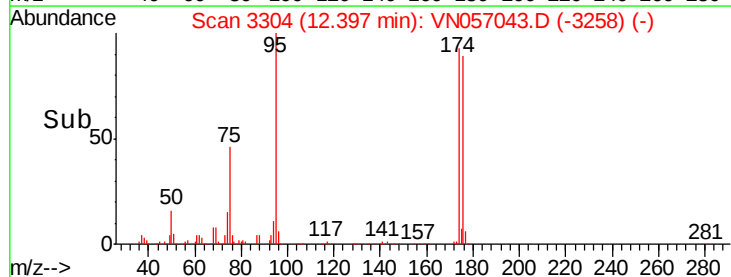
75 100

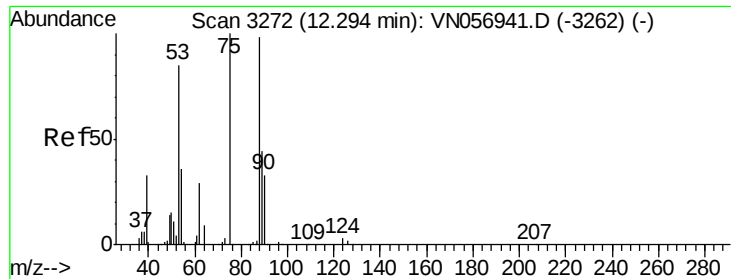
77 1.3 0.0 0.0#



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: 114.067 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057043.D

Acq: 1 Aug 2019 17:31

Instrument :

MSVOA_N

ClientSampleId :

SA-DUP02-20190731

Tot Ion: 75 Resp: 127104

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

