

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056124.D
 Acq On : 8 Jun 2019 2:01
 Operator : JC/SP
 Sample : K3223-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0532-190605

Quant Time: Jun 08 07:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	319405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	485795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152236	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	167684	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
35) Dibromofluoromethane	7.59	113	152336	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	10.09	98	614760	53.60	ug/l	0.00
Spiked Amount			Recovery	=	107.20%	
62) 4-Bromofluorobenzene	12.40	95	196512	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	

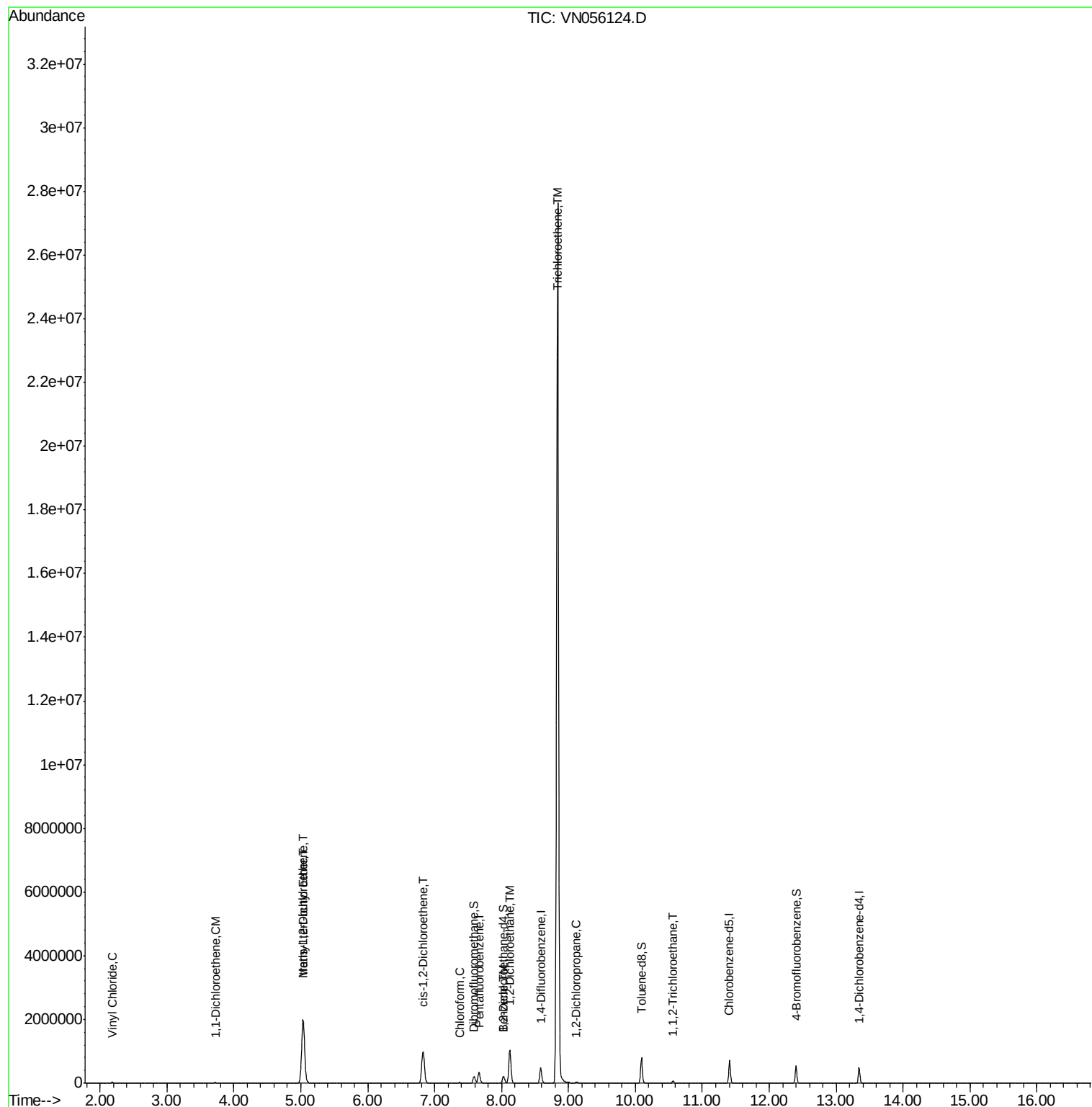
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	21813	6.281	ug/l	99
12) 1,1-Dichloroethene	3.72	96	8784	3.276	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	308993	36.152	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	1322223	460.230	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	713738	211.347	ug/l	90
30) Chloroform	7.37	83	20106	3.959	ug/l	100
40) Benzene	8.04	78	10544	0.831	ug/l	100
42) 1,2-Dichloroethane	8.12	62	991232	242.892	ug/l	99
44) Trichloroethene	8.84	130	11118401	3049.832	ug/l	96
45) 1,2-Dichloropropane	9.12	63	10219	3.145	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	23433	7.493	ug/l	95

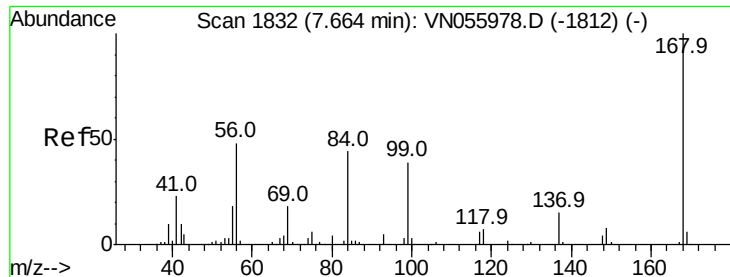
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

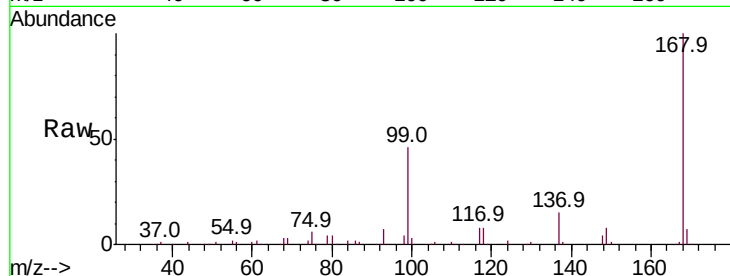
DUP-0532-190605

Tot Ion:168 Resp: 319405

Ion Ratio Lower Upper

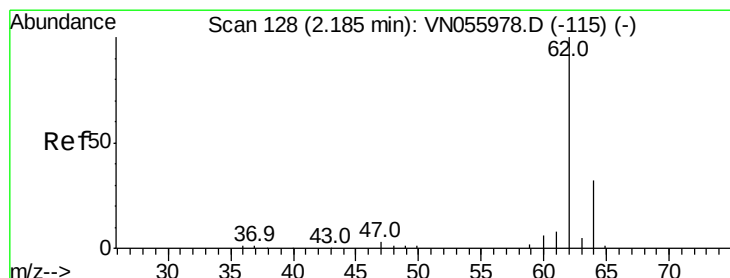
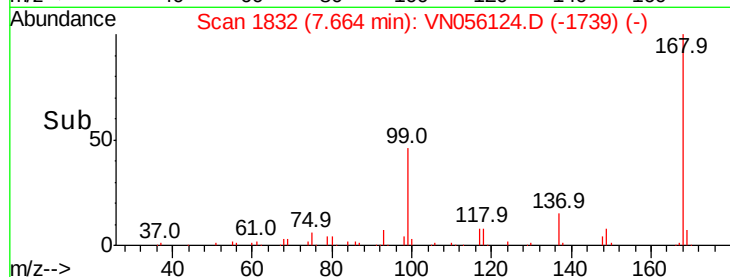
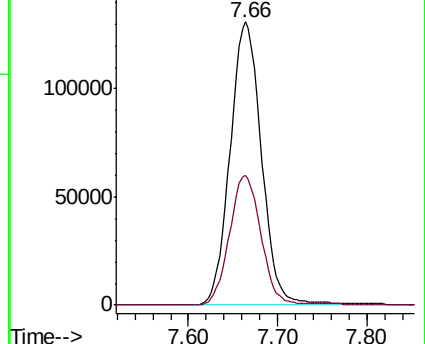
168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 6.281 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056124.D

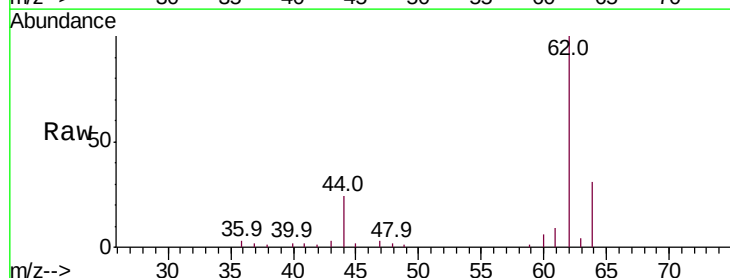
Acq: 8 Jun 2019 2:01

Tgt Ion: 62 Resp: 21813

Ion Ratio Lower Upper

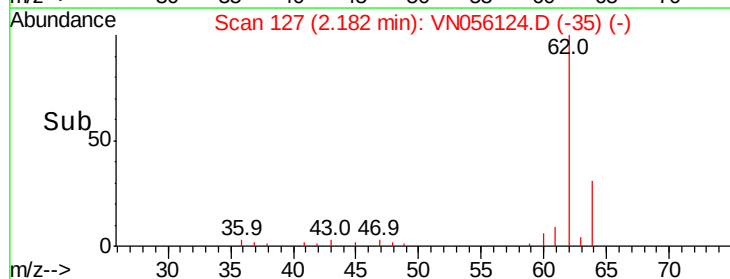
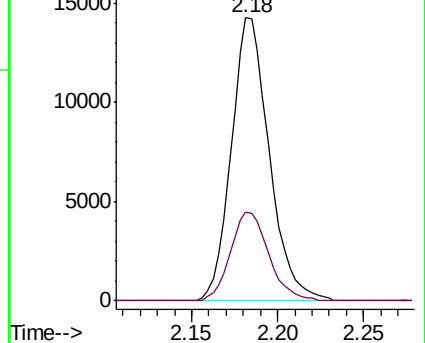
62 100

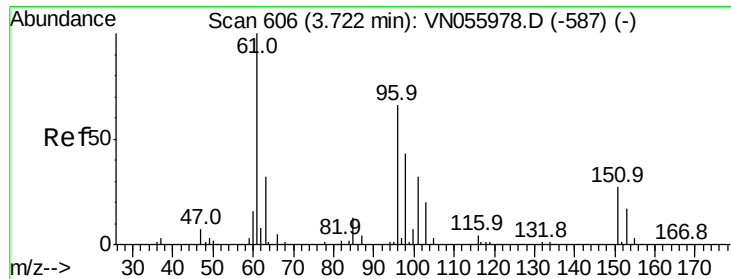
64 31.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#12

1,1-Dichloroethene

Concen: 3.276 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

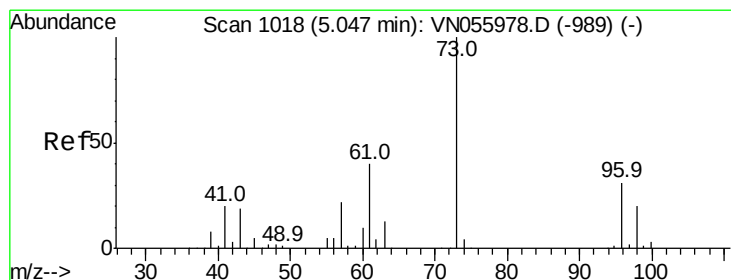
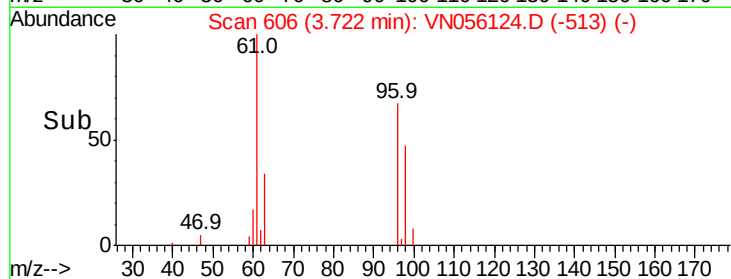
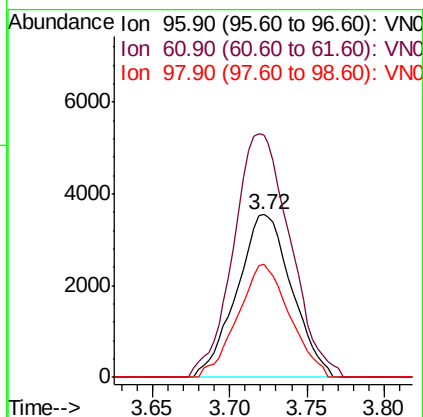
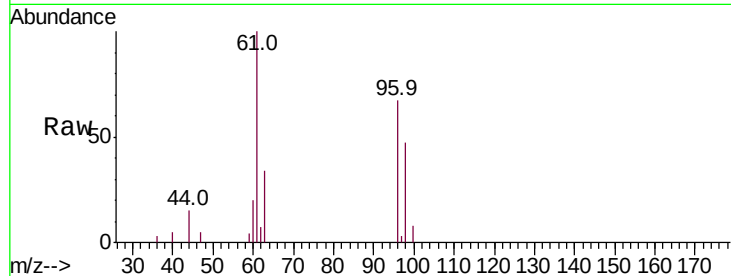
Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
DUP-0532-190605

Tot Ion: 96 Resp: 8784

Ion	Ratio	Lower	Upper
96	100		
61	148.7	123.2	184.8
98	69.4	50.4	75.6



#19

Methyl tert-butyl Ether

Concen: 36.152 ug/l

RT: 5.05 min Scan# 1019

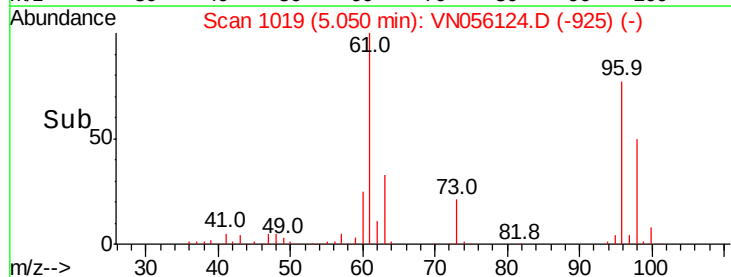
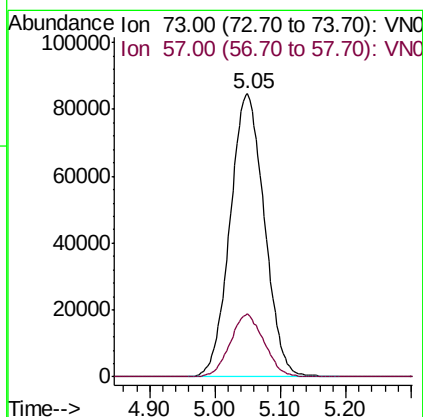
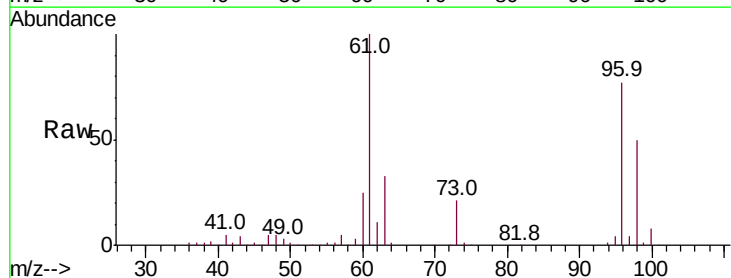
Delta R.T. 0.00 min

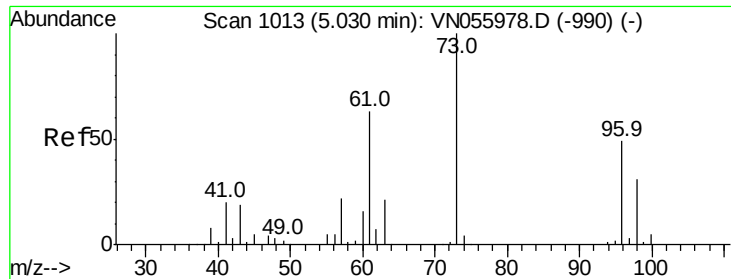
Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Tgt Ion: 73 Resp: 308993

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.8	26.8

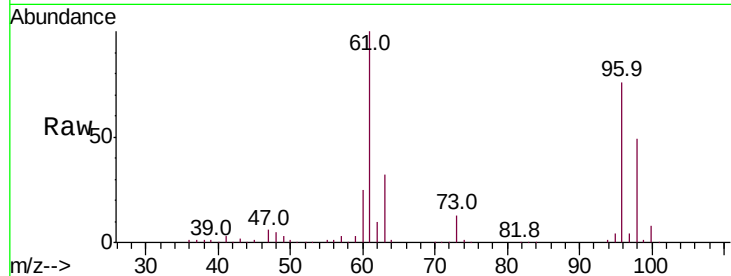




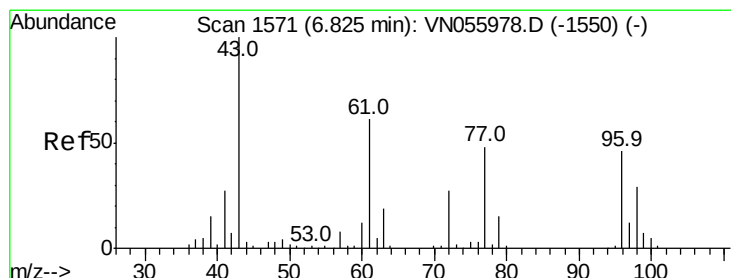
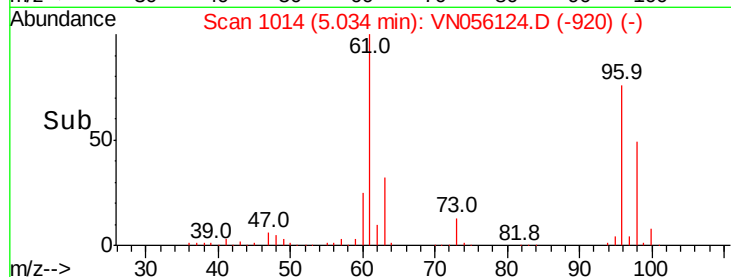
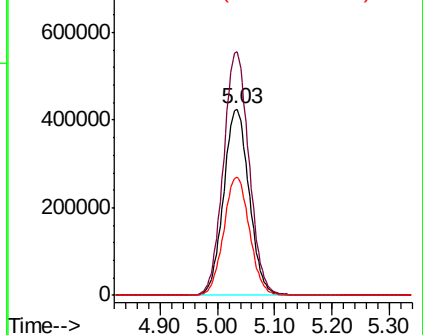
#21
trans-1,2-Dichloroethene
Concen: 460.230 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056124.D
Acq: 8 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
DUP-0532-190605

Tot Ion: 96 Resp: 1322223
Ion Ratio Lower Upper
96 100
61 130.9 107.8 161.8
98 63.6 49.8 74.8

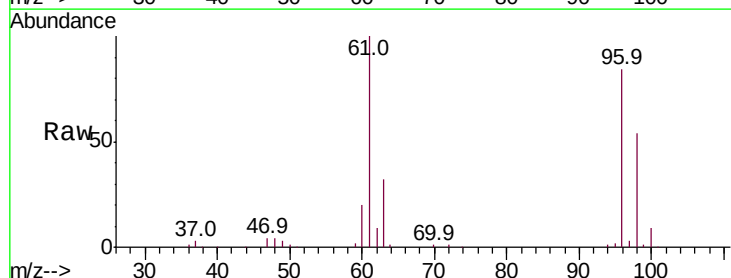


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

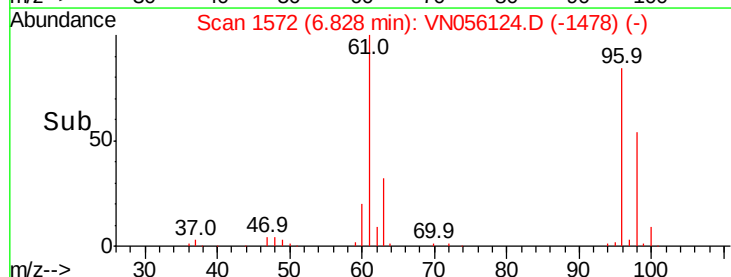
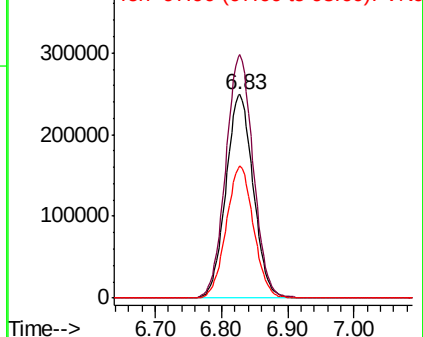


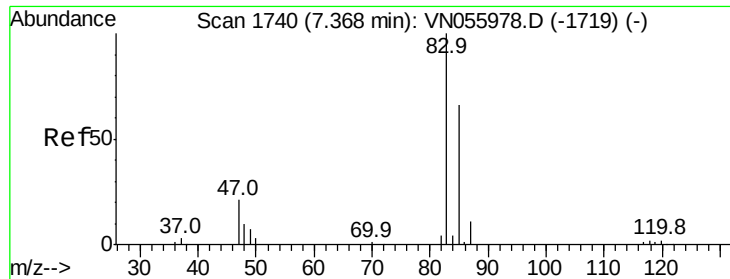
#27
cis-1,2-Dichloroethene
Concen: 211.347 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN056124.D
Acq: 8 Jun 2019 2:01

Tgt Ion: 96 Resp: 713738
Ion Ratio Lower Upper
96 100
61 120.1 0.0 275.8
98 64.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

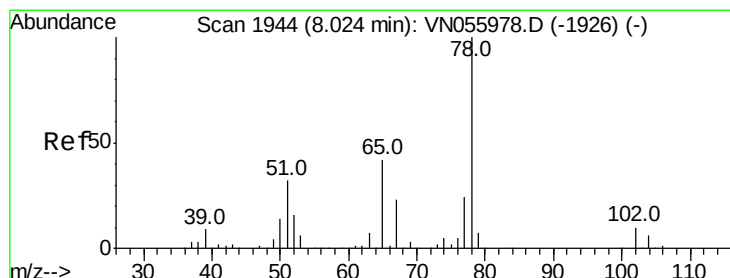
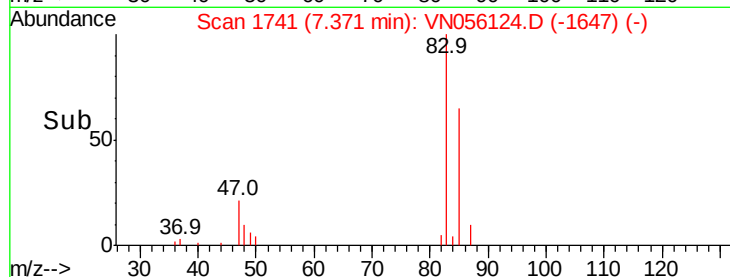
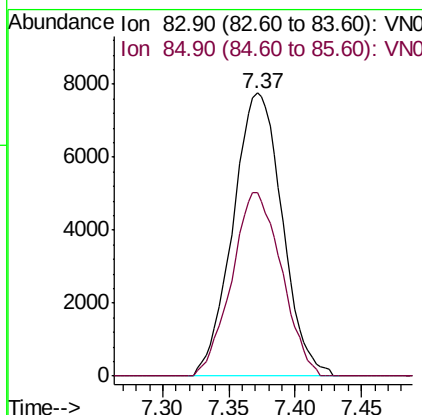
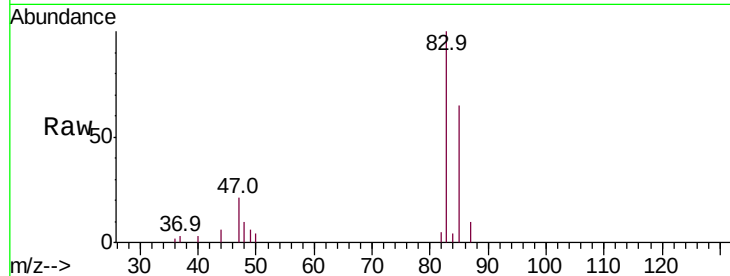




#30
Chloroform
Concen: 3.959 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056124.D
Acq: 8 Jun 2019 2:01

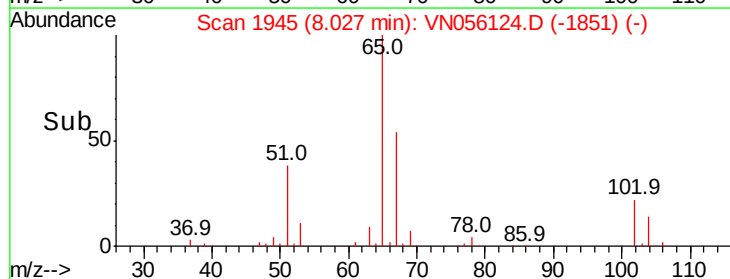
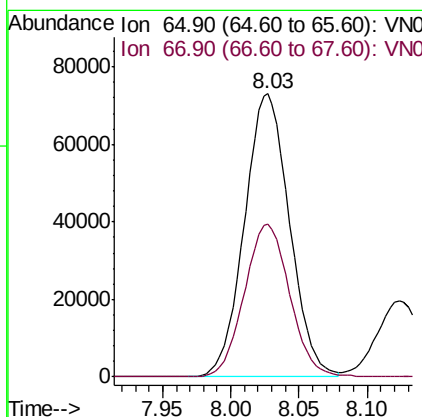
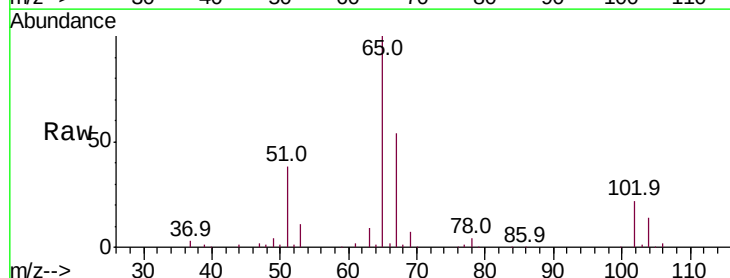
Instrument :
MSVOA_N
ClientSampleId :
DUP-0532-190605

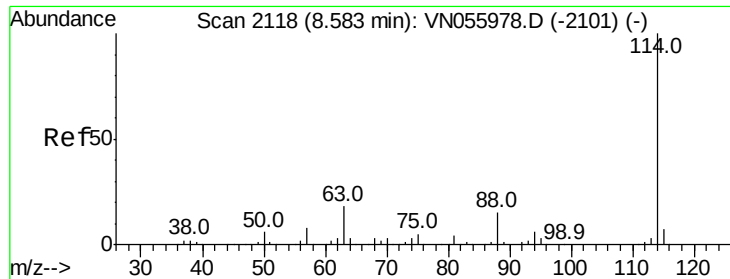
Tot Ion: 83 Resp: 20106
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.8



#33
1,2-Dichloroethane-d4
Concen: 52.873 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056124.D
Acq: 8 Jun 2019 2:01

Tgt Ion: 65 Resp: 167684
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.2

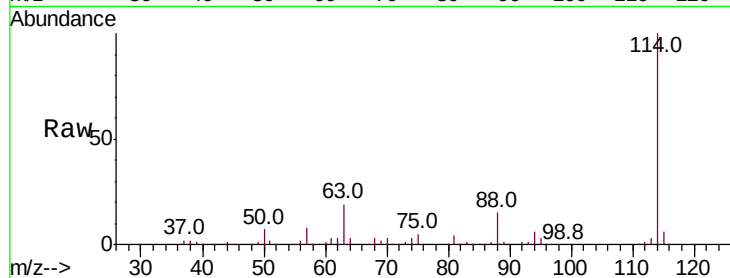




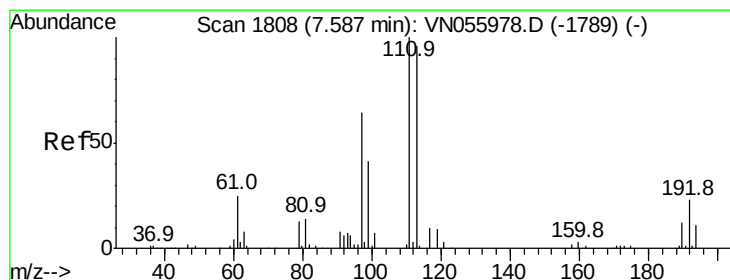
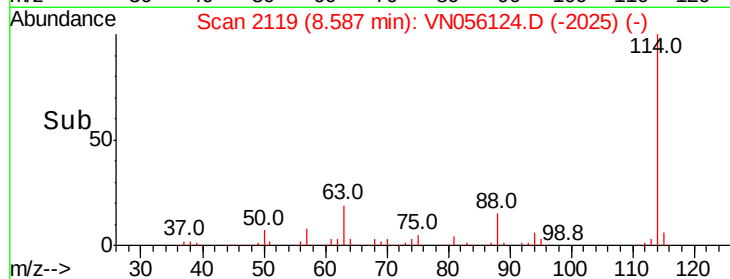
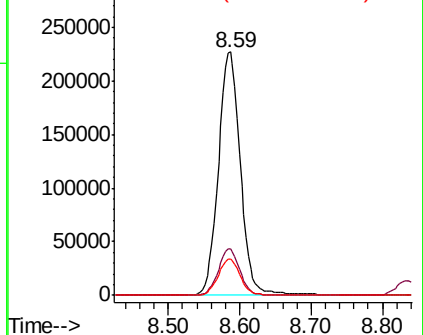
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056124.D
 Acq: 8 Jun 2019 2:01

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0532-190605

Tot Ion:114 Resp: 485795
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 14.9 0.0 31.0

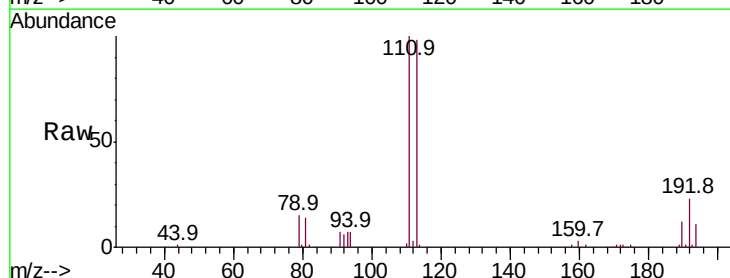


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

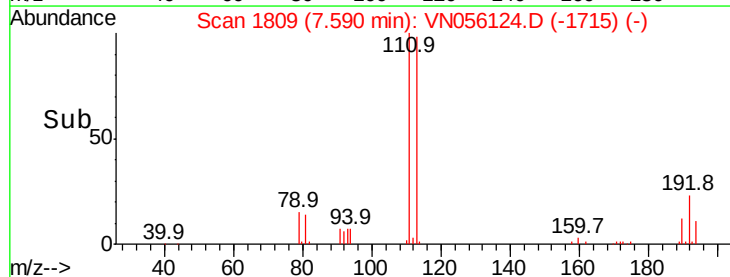
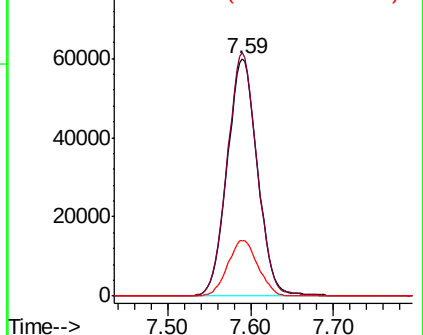


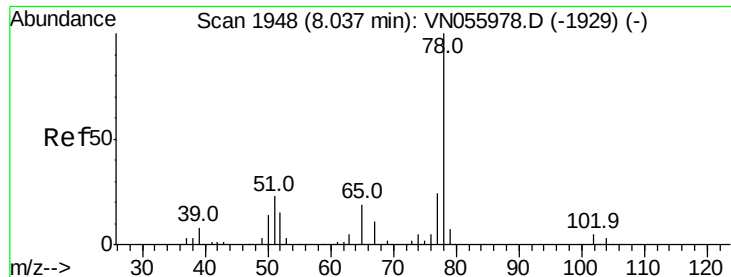
#35
 Dibromofluoromethane
 Concen: 51.111 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056124.D
 Acq: 8 Jun 2019 2:01

Tgt Ion:113 Resp: 152336
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.9 122.9
 192 23.5 19.5 29.3



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





#40

Benzene

Concen: 0.831 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

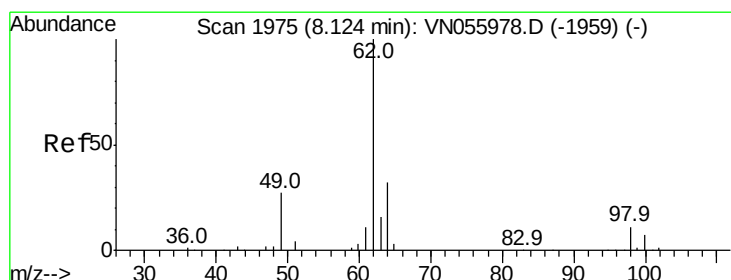
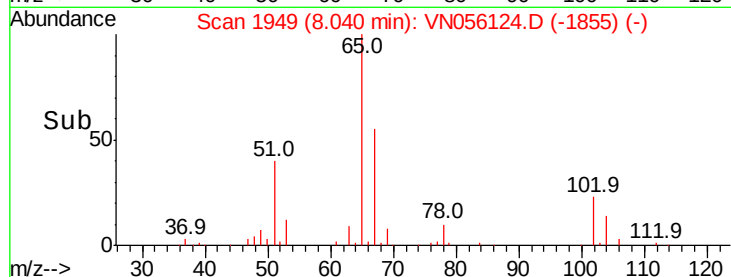
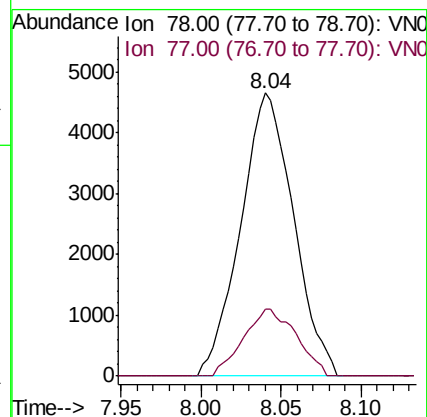
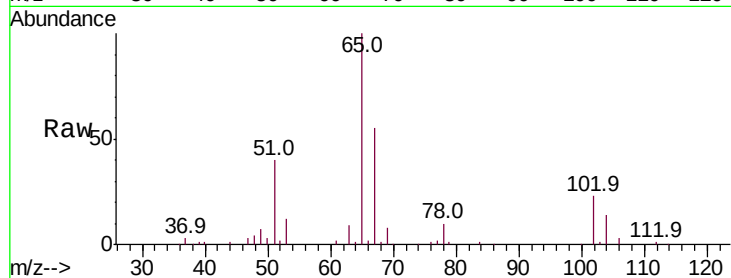
DUP-0532-190605

Tot Ion: 78 Resp: 10544

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



#42

1,2-Dichloroethane

Concen: 242.892 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN056124.D

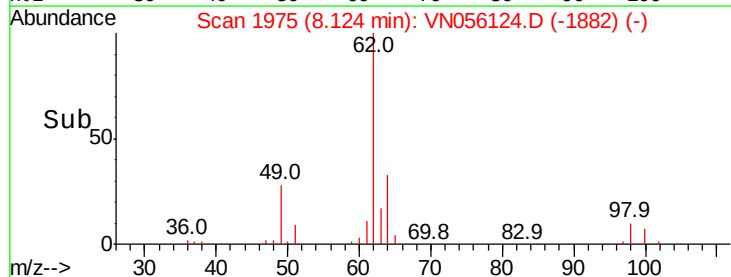
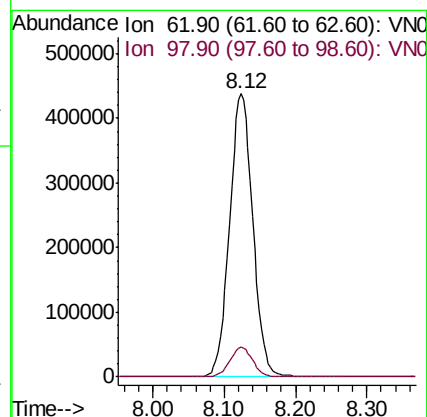
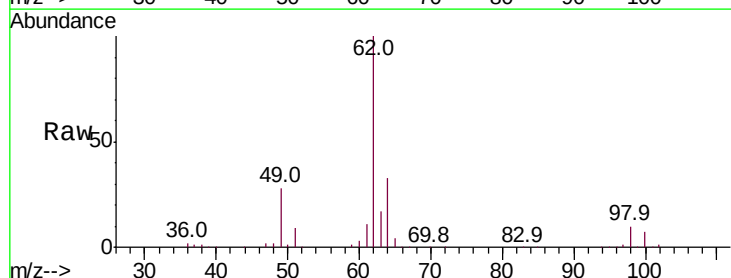
Acq: 8 Jun 2019 2:01

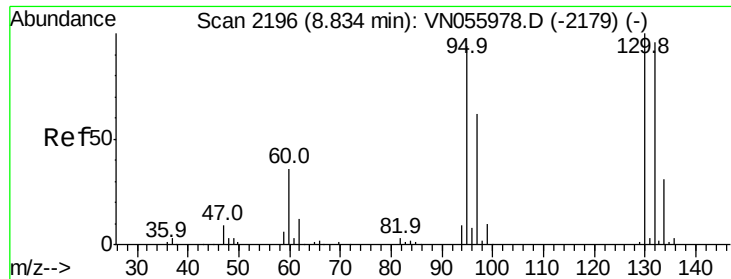
Tgt Ion: 62 Resp: 991232

Ion Ratio Lower Upper

62 100

98 10.3 0.0 20.2





#44

Trichloroethene

Concen: 3049.832 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

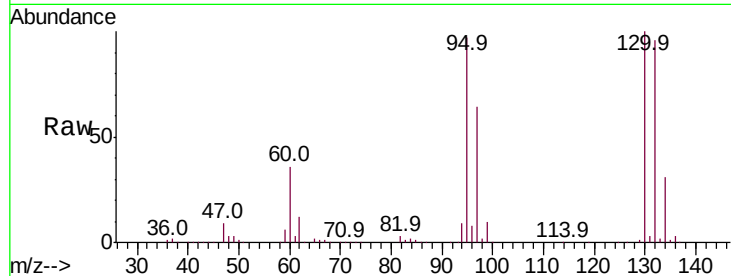
DUP-0532-190605

Tot Ion:130 Resp:11118401

Ion Ratio Lower Upper

130 100

95 97.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.84

5000000

4000000

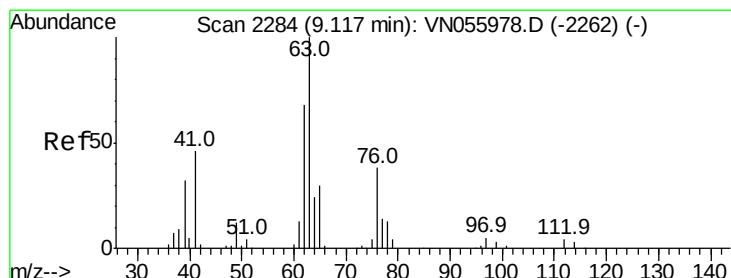
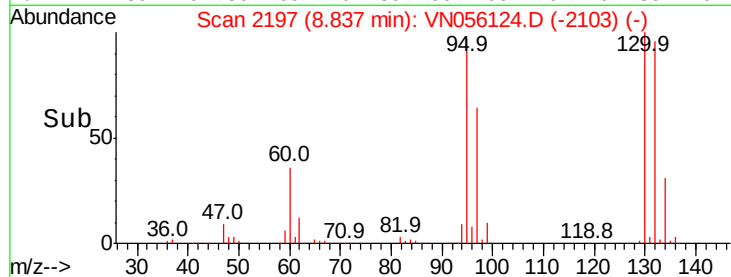
3000000

2000000

1000000

0

Time-->



#45

1,2-Dichloropropane

Concen: 3.145 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056124.D

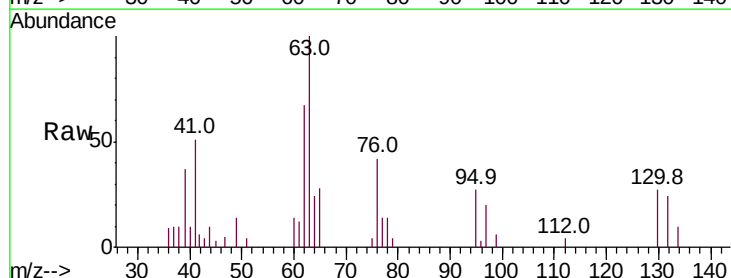
Acq: 8 Jun 2019 2:01

Tgt Ion: 63 Resp: 10219

Ion Ratio Lower Upper

63 100

65 27.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

5000

4000

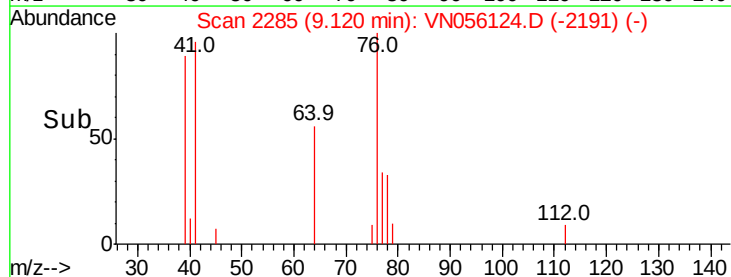
3000

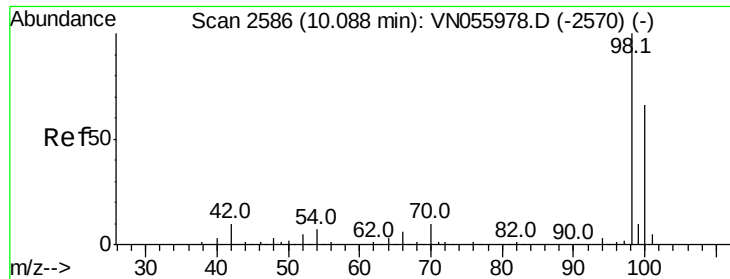
2000

1000

0

Time-->





#50

Toluene-d8

Concen: 53.602 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

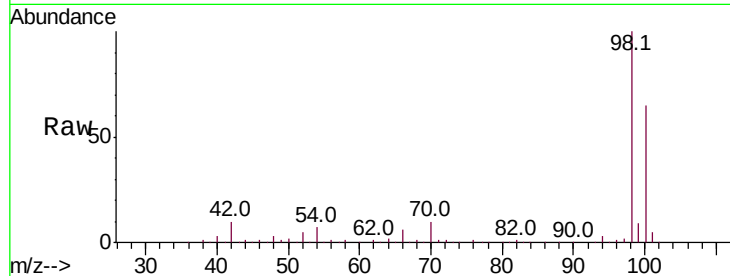
DUP-0532-190605

Tot Ion: 98 Resp: 614760

Ion Ratio Lower Upper

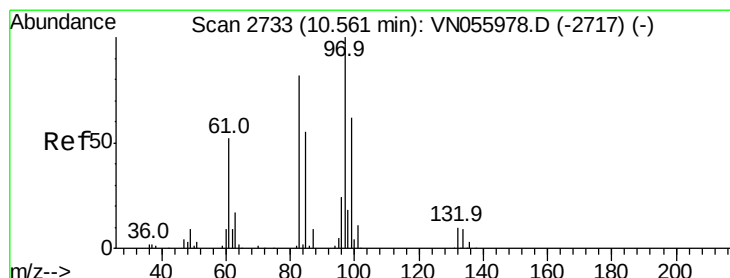
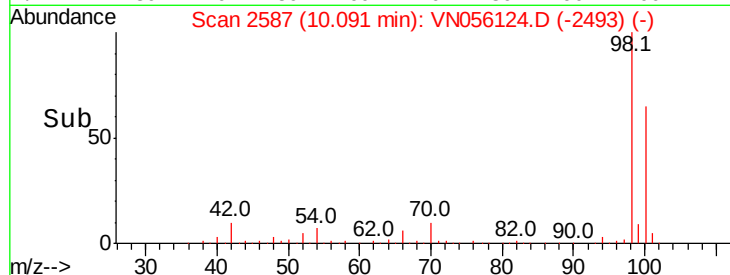
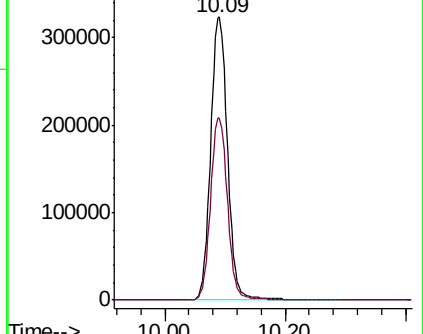
98 100

100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: 7.493 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Tgt Ion: 97 Resp: 23433

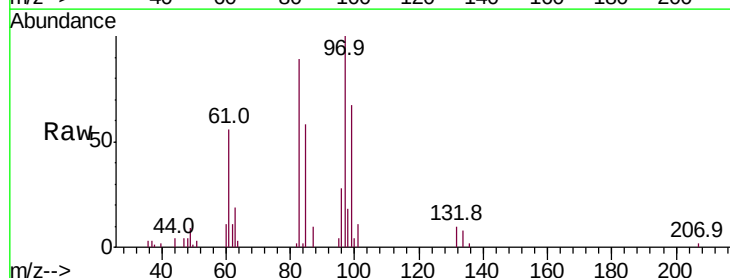
Ion Ratio Lower Upper

97 100

83 89.3 67.0 100.6

85 57.9 44.0 66.0

99 67.0 50.6 75.8

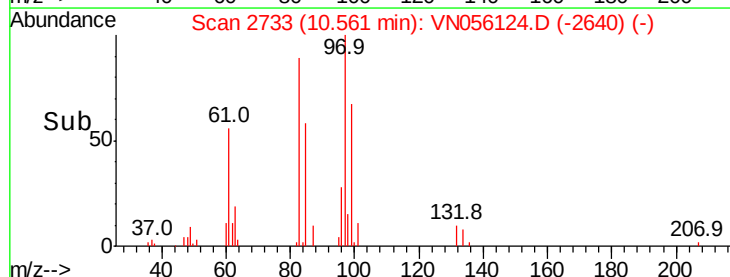
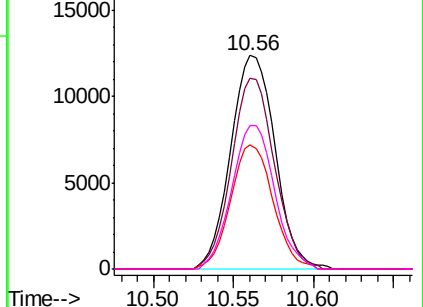


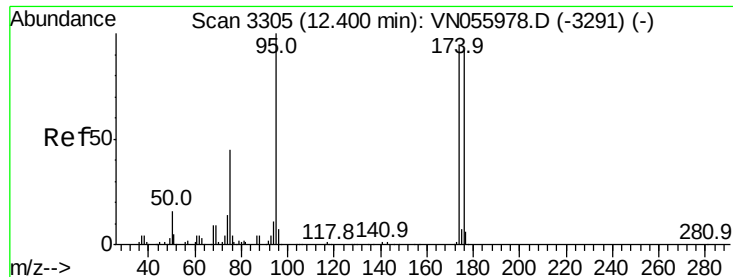
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

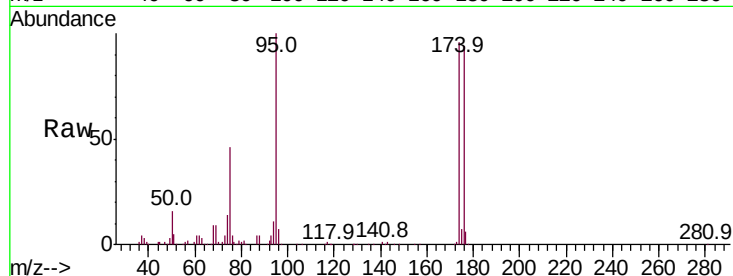




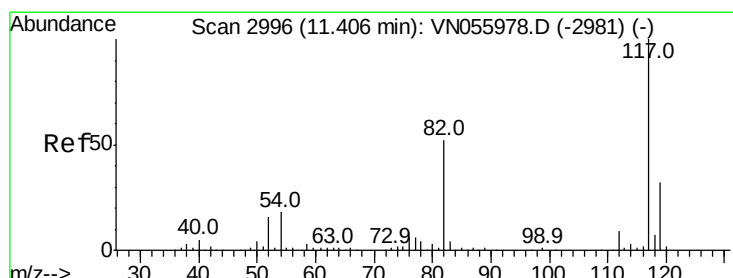
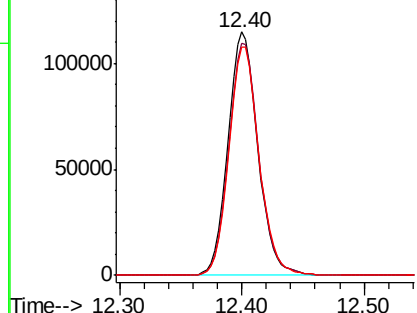
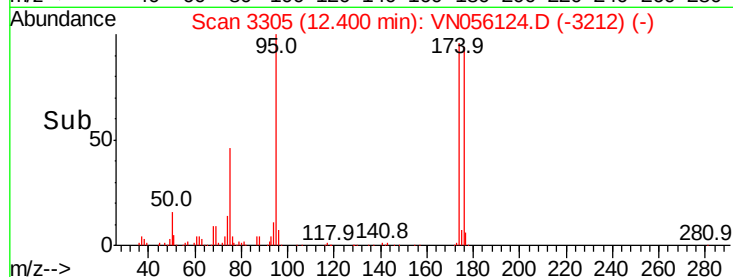
#62
4-Bromofluorobenzene
Concen: 50.383 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056124.D
Acq: 8 Jun 2019 2:01

Instrument :
MSVOA_N
ClientSampleId :
DUP-0532-190605

Tot Ion: 95 Resp: 196512
Ion Ratio Lower Upper
95 100
174 96.2 0.0 191.0
176 94.6 0.0 185.2

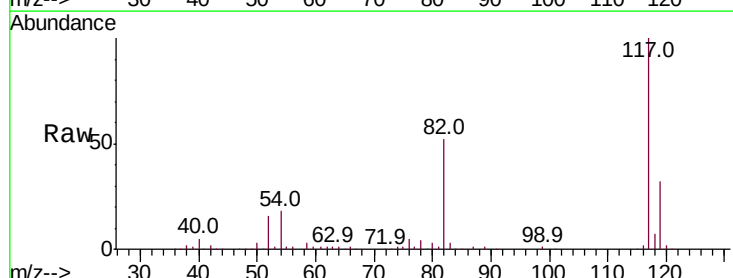


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): VN0
Ion 175.80 (175.50 to 176.50): VN0

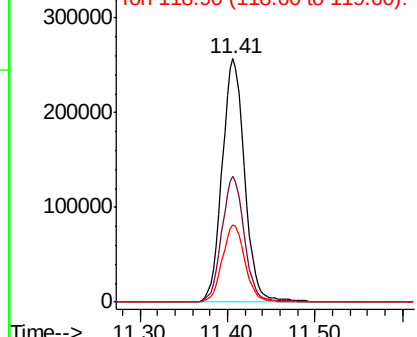
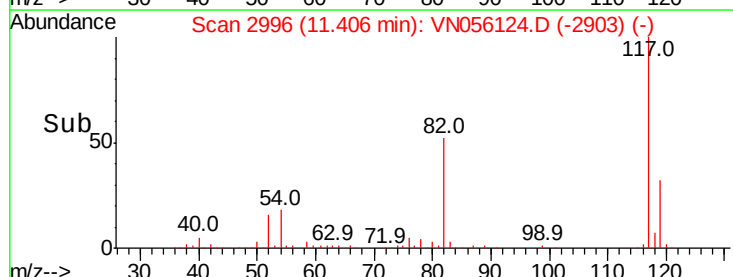


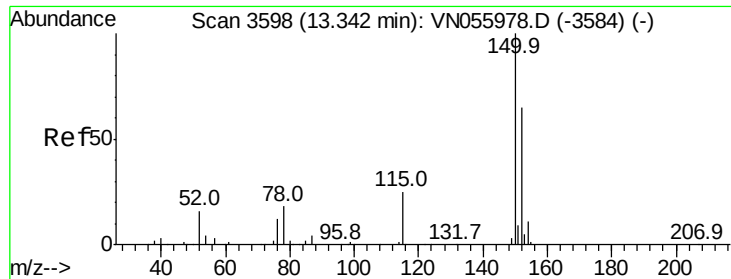
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056124.D
Acq: 8 Jun 2019 2:01

Tgt Ion: 117 Resp: 459974
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 31.9 25.4 38.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056124.D

Acq: 8 Jun 2019 2:01

Instrument :

MSVOA_N

ClientSampleId :

DUP-0532-190605

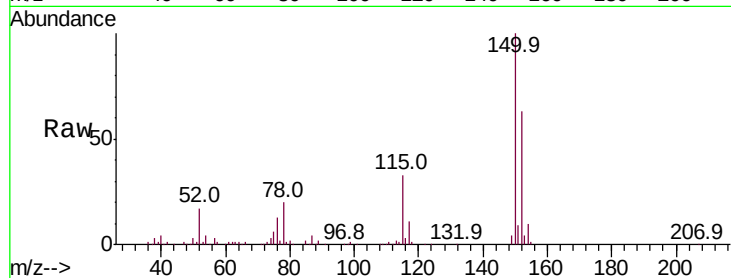
Tot Ion:152 Resp: 152236

Ion Ratio Lower Upper

152 100

115 52.6 27.0 81.0

150 157.3 0.0 343.2



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

