

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN060819\
 Data File : VN056126.D
 Acq On : 8 Jun 2019 2:51
 Operator : JC/SP
 Sample : K3203-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0530-190604

Quant Time: Jun 11 11:24:29 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	320944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	478520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140490	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	167917	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
35) Dibromofluoromethane	7.59	113	149078	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	10.09	98	611785	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.40	95	186736	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

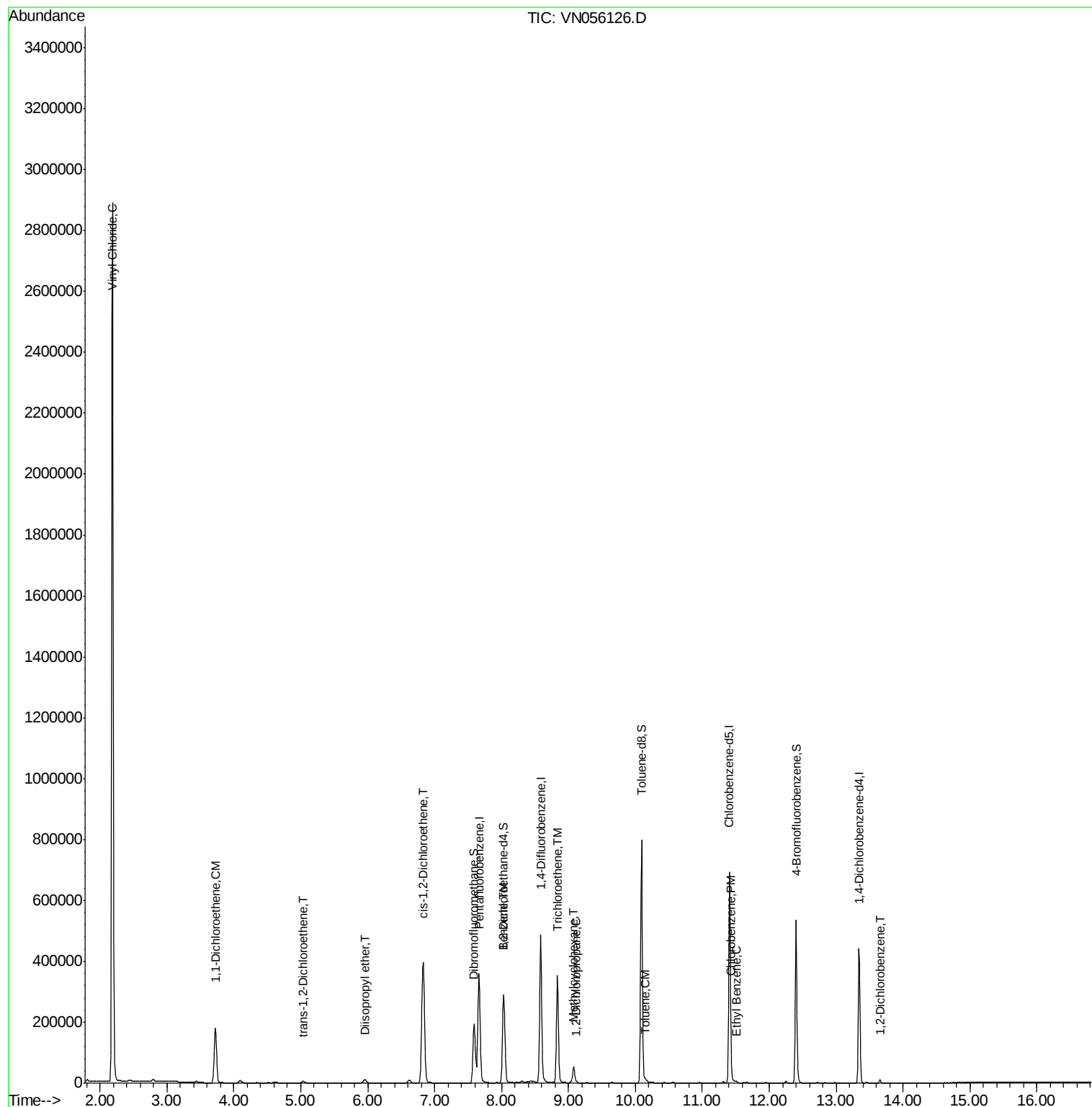
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	2718925	779.106	ug/l	100
12) 1,1-Dichloroethene	3.73	96	102330	37.980	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	3956	1.370	ug/l #	92
22) Diisopropyl ether	5.96	45	15508	1.763	ug/l	93
27) cis-1,2-Dichloroethene	6.83	96	285767	84.213	ug/l	90
39) Methylcyclohexane	9.08	83	24759	4.830	ug/l	98
40) Benzene	8.04	78	131170	10.496	ug/l	100
44) Trichloroethene	8.83	130	144966	40.369	ug/l	100
45) 1,2-Dichloropropane	9.12	63	2114	0.660	ug/l #	80
52) Toluene	10.16	92	3139	0.404	ug/l	99
65) Chlorobenzene	11.44	112	5048	0.564	ug/l	99
67) Ethyl Benzene	11.51	91	4336	0.278	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	5555	1.182	ug/l	99

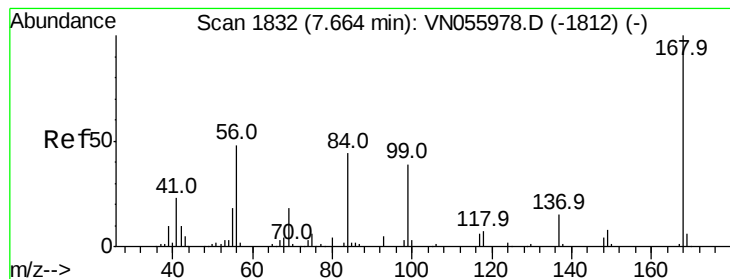
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

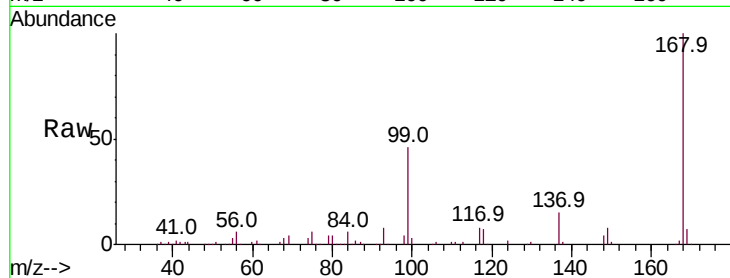
DUP-0530-190604

Tot Ion:168 Resp: 320944

Ion Ratio Lower Upper

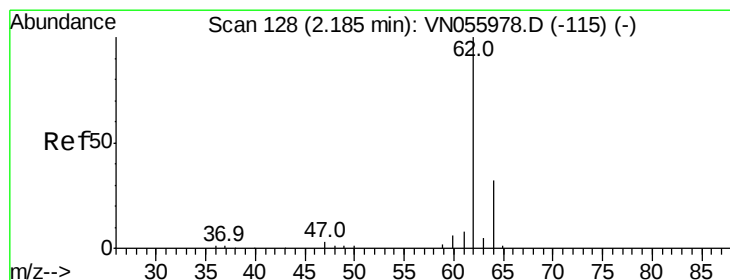
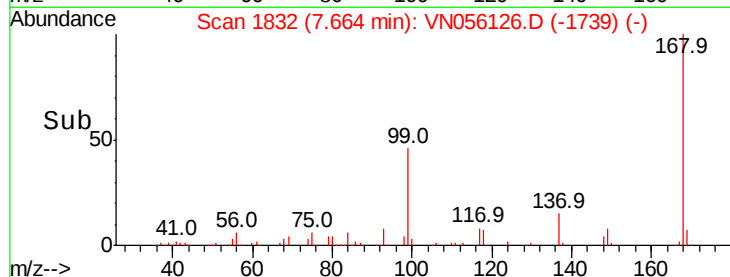
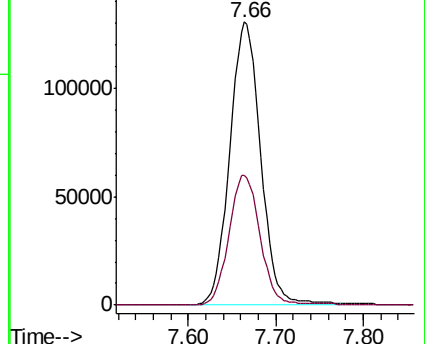
168 100

99 46.0 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: 779.106 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056126.D

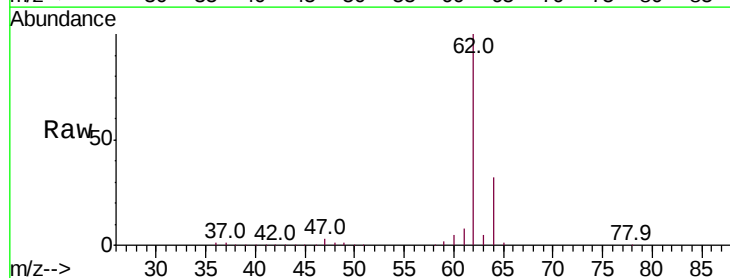
Acq: 8 Jun 2019 2:51

Tgt Ion: 62 Resp: 2718925

Ion Ratio Lower Upper

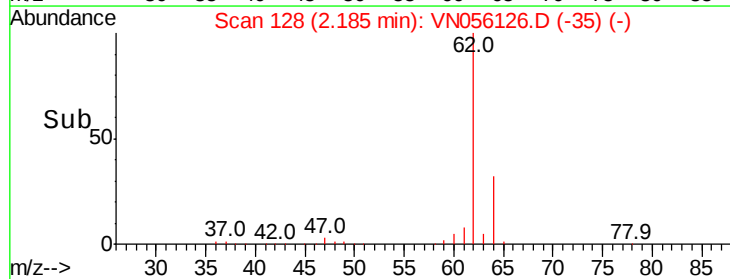
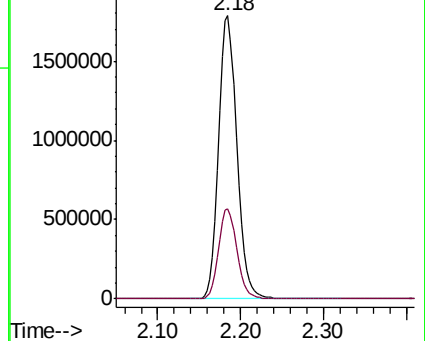
62 100

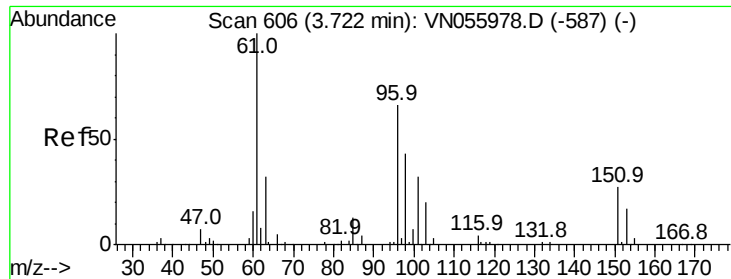
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#12

1,1-Dichloroethene

Concen: 37.980 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

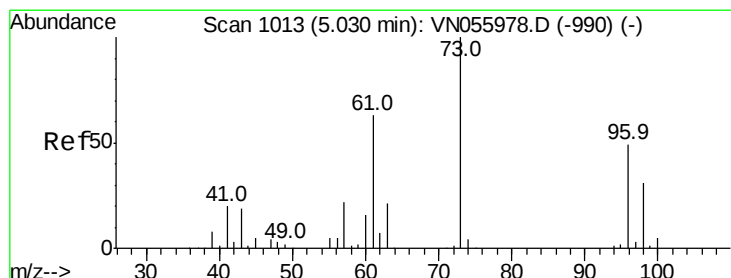
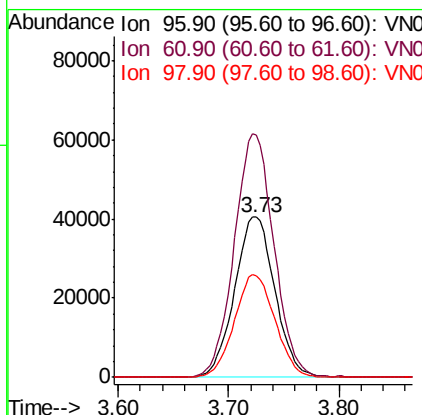
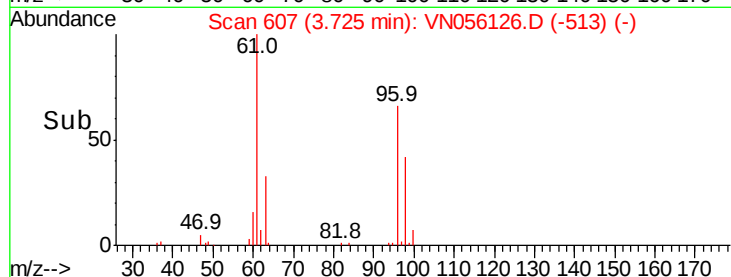
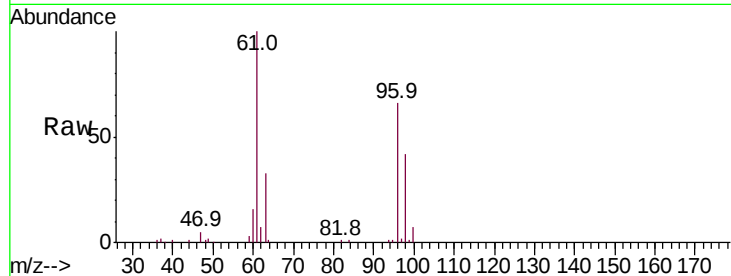
Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :
MSVOA_N
ClientSampleId :
DUP-0530-190604

Tot Ion: 96 Resp: 102330

Ion	Ratio	Lower	Upper
96	100		
61	151.3	123.2	184.8
98	63.6	50.4	75.6



#21

trans-1,2-Dichloroethene

Concen: 1.370 ug/l

RT: 5.03 min Scan# 1014

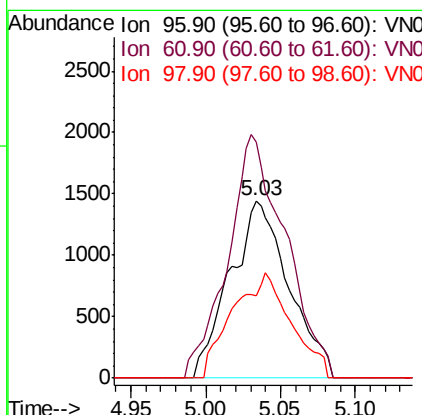
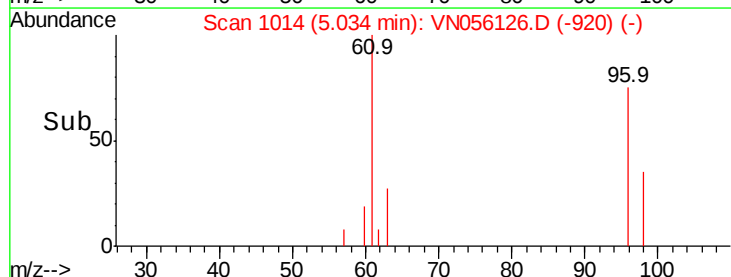
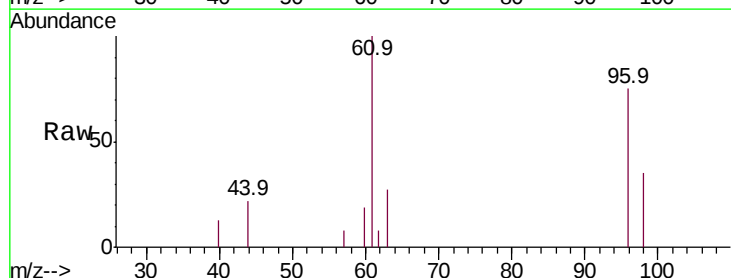
Delta R.T. 0.00 min

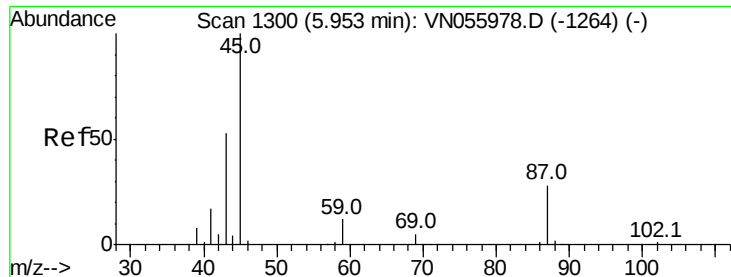
Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Tgt Ion: 96 Resp: 3956

Ion	Ratio	Lower	Upper
96	100		
61	132.6	107.8	161.8
98	46.5	49.8	74.8#





#22

Diisopropyl ether

Concen: 1.763 ug/l

RT: 5.96 min Scan# 1301

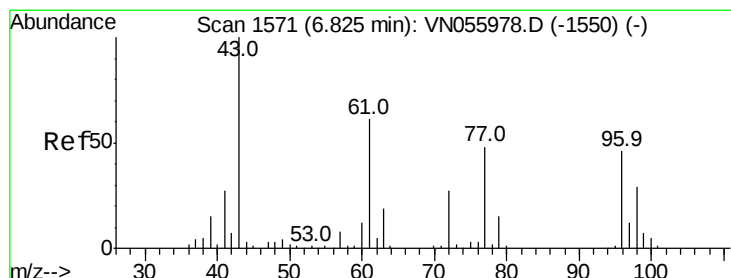
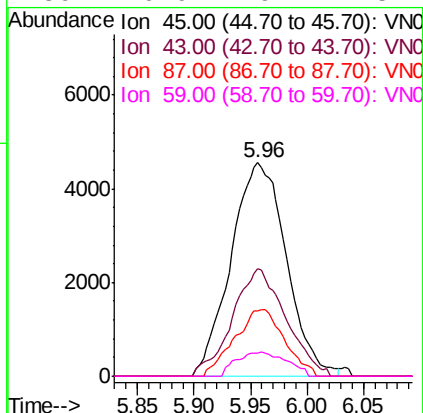
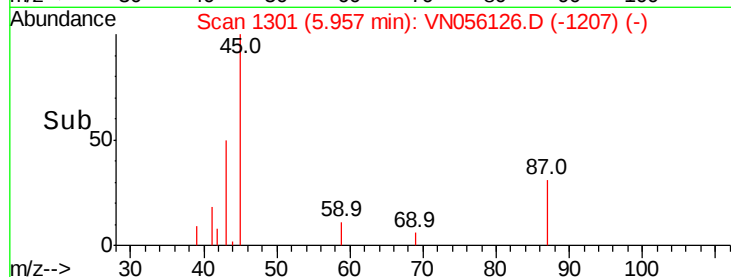
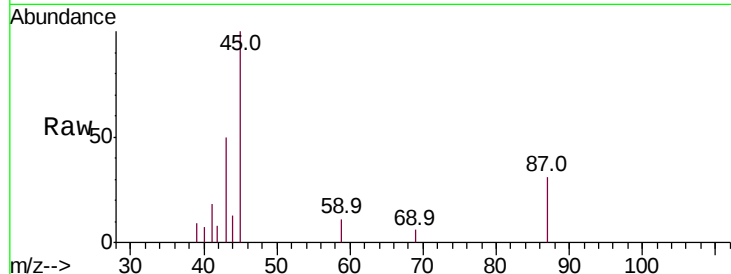
Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :
MSVOA_N
ClientSampleId :
DUP-0530-190604

Tot Ion:	45	Resp:	15508
Ion	Ratio	Lower	Upper
45	100		
43	50.4	45.0	67.6
87	30.7	22.2	33.4
59	10.9	9.1	13.7



#27

cis-1,2-Dichloroethene

Concen: 84.213 ug/l

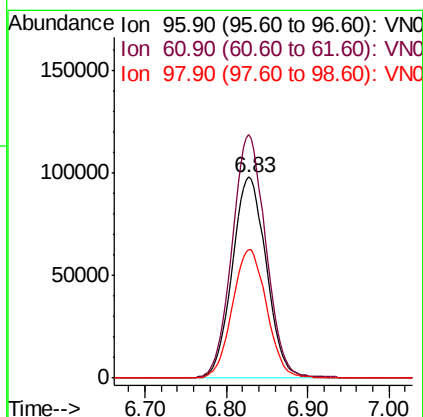
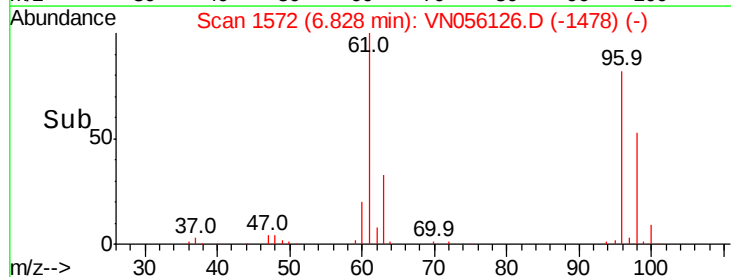
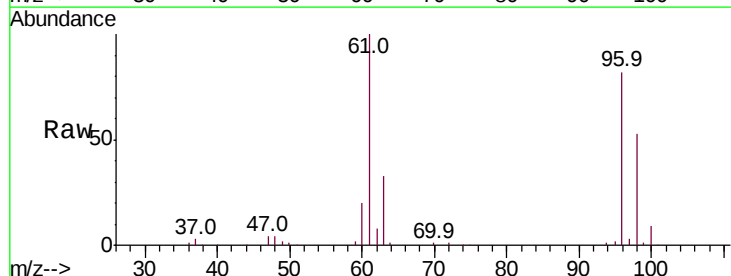
RT: 6.83 min Scan# 1572

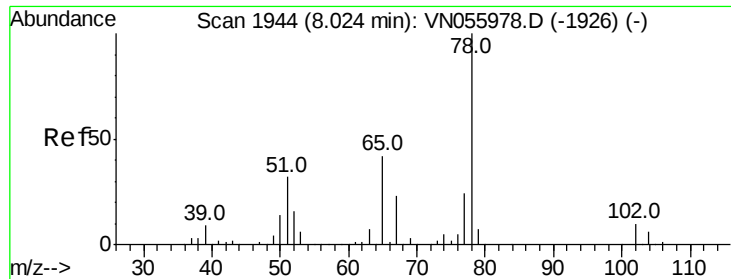
Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Tgt Ion:	96	Resp:	285767
Ion	Ratio	Lower	Upper
96	100		
61	119.6	0.0	275.8
98	64.3	0.0	128.4





#33

1,2-Dichloroethane-d4

Concen: 52.693 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

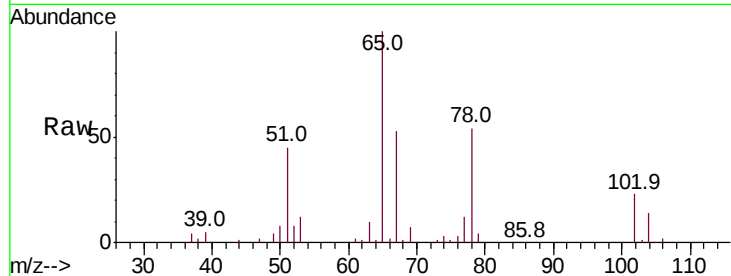
DUP-0530-190604

Tot Ion: 65 Resp: 167917

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN055978.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055978.D (-1926) (-)

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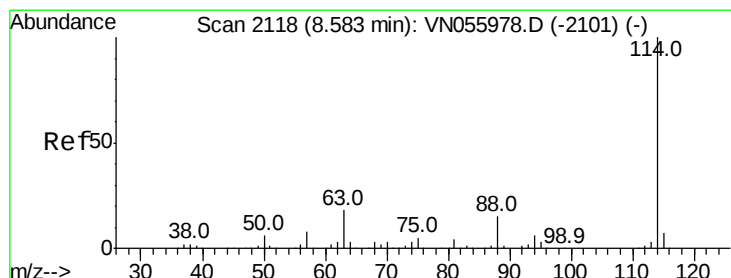
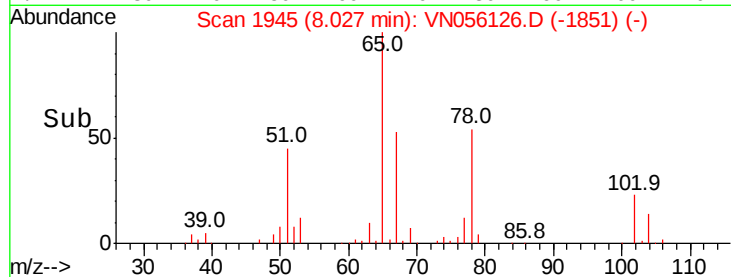
8.03

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

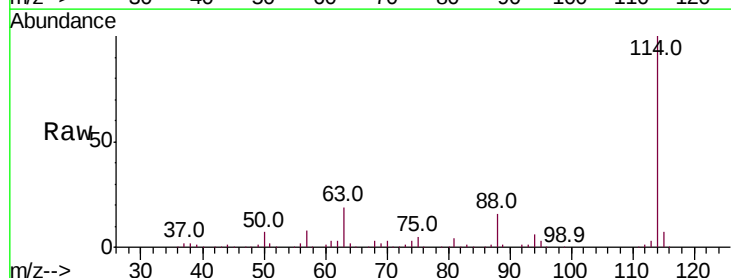
Tgt Ion:114 Resp: 478520

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.2

88 15.7 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN055978.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN055978.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN055978.D (-2101) (-)

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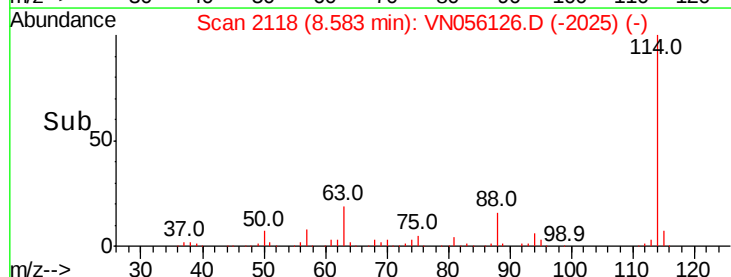
8.58

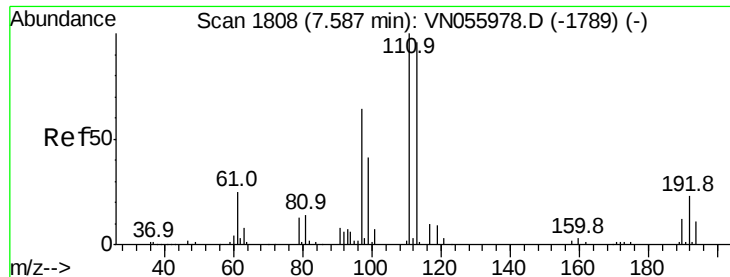
8.58

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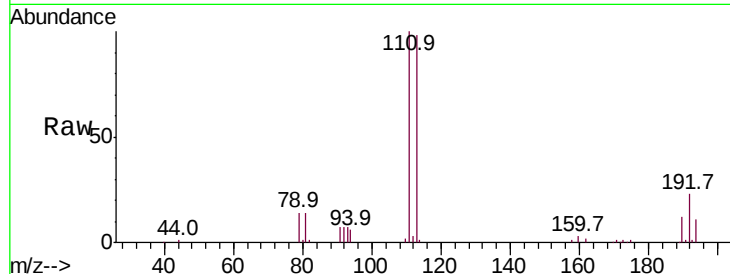




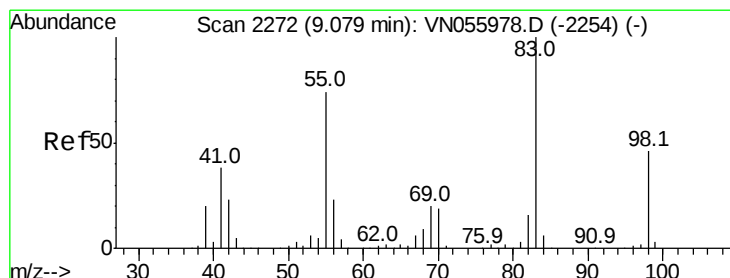
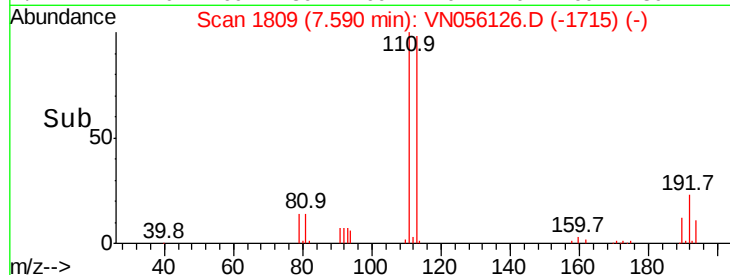
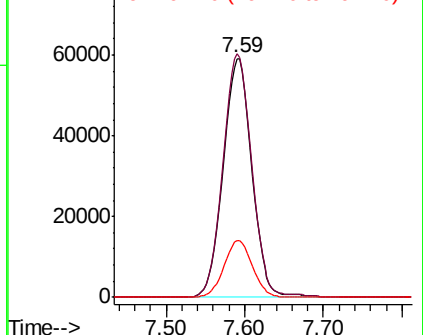
#35
Dibromofluoromethane
Concen: 50.778 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056126.D
Acq: 8 Jun 2019 2:51

Instrument :
MSVOA_N
ClientSampleId :
DUP-0530-190604

Tot Ion:113 Resp: 149078
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 23.5 19.5 29.3

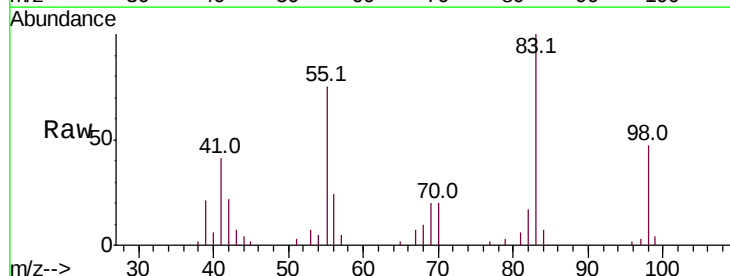


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

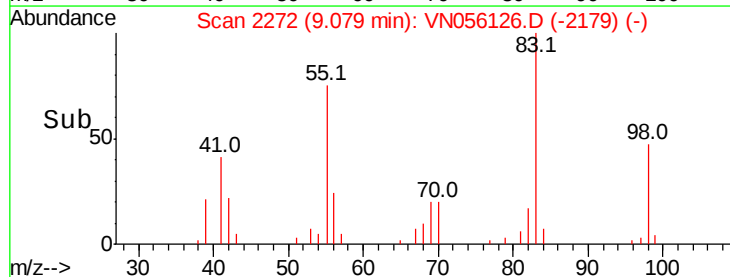
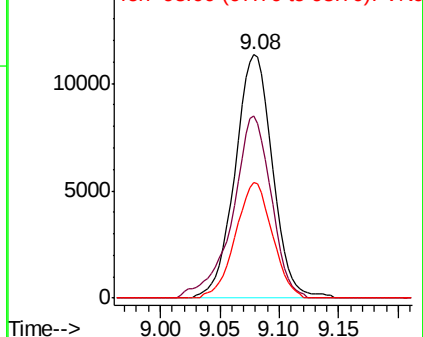


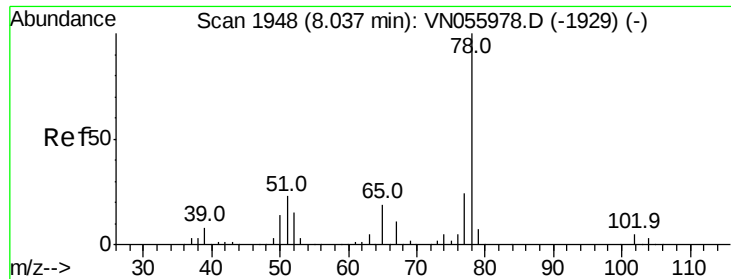
#39
Methylcyclohexane
Concen: 4.830 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056126.D
Acq: 8 Jun 2019 2:51

Tgt Ion: 83 Resp: 24759
Ion Ratio Lower Upper
83 100
55 75.1 59.3 88.9
98 47.5 36.6 54.8



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 10.496 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

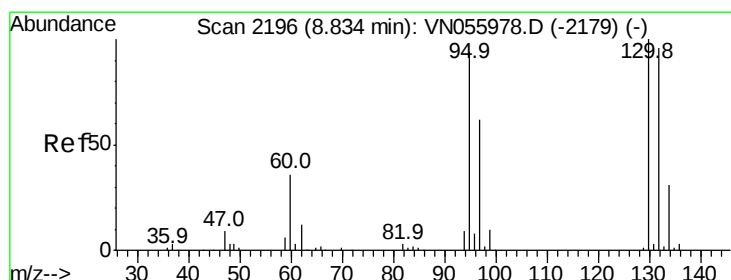
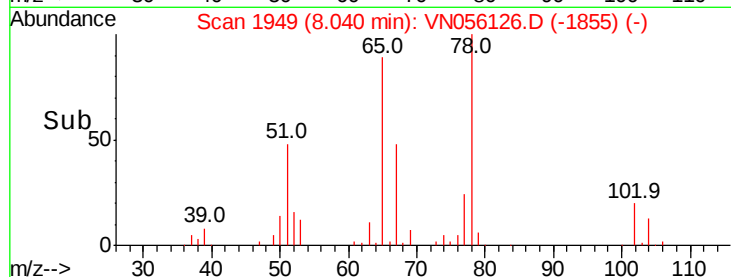
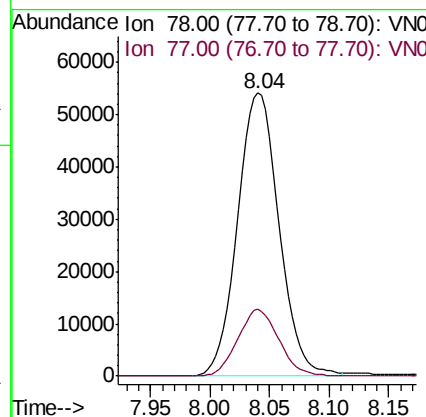
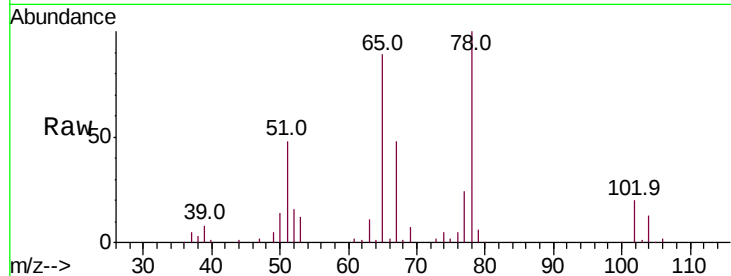
DUP-0530-190604

Tot Ion: 78 Resp: 131170

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2



#44

Trichloroethene

Concen: 40.369 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056126.D

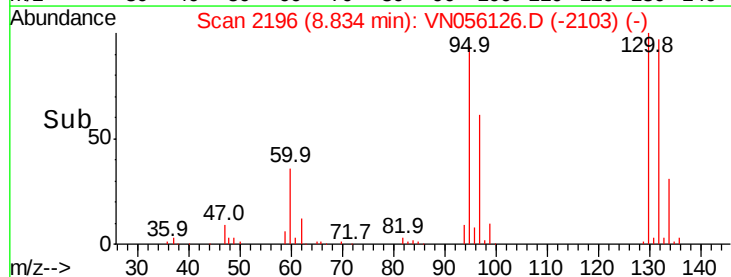
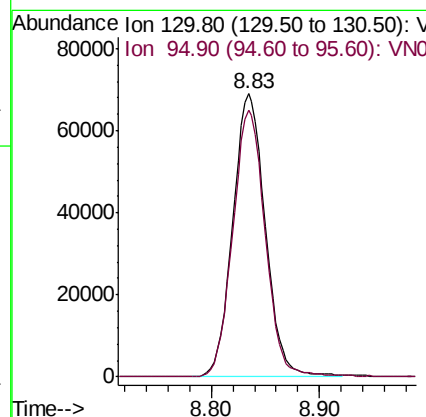
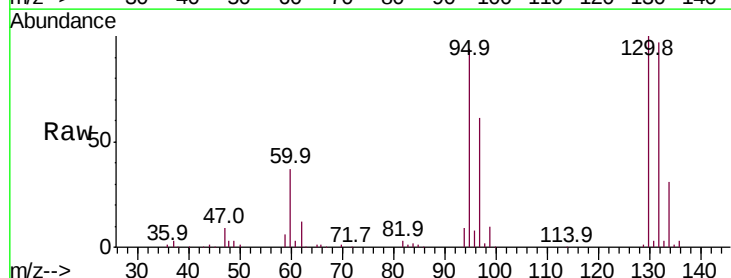
Acq: 8 Jun 2019 2:51

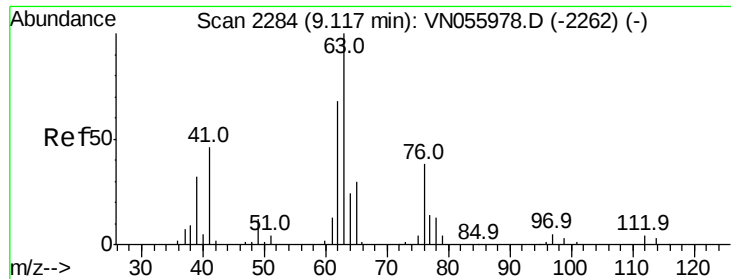
Tgt Ion:130 Resp: 144966

Ion Ratio Lower Upper

130 100

95 94.3 0.0 188.0





#45

1,2-Dichloropropane

Concen: 0.660 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.01 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

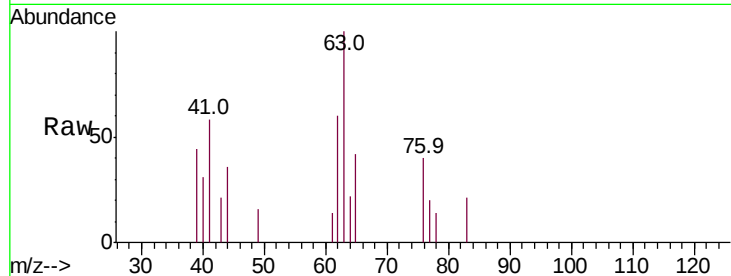
DUP-0530-190604

Tot Ion: 63 Resp: 2114

Ion Ratio Lower Upper

63 100

65 41.8 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

1200

1000

800

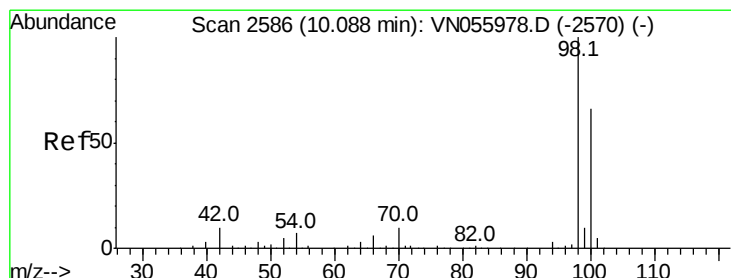
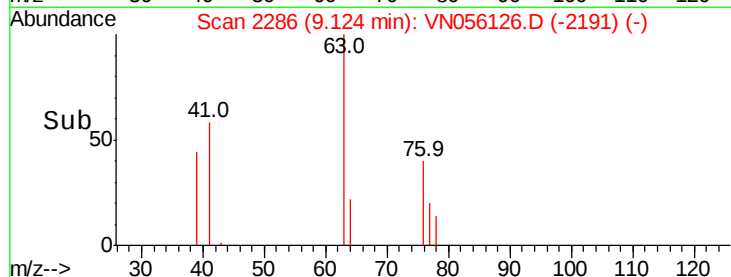
600

400

200

0

Time--> 9.05 9.10 9.15



#50

Toluene-d8

Concen: 54.153 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056126.D

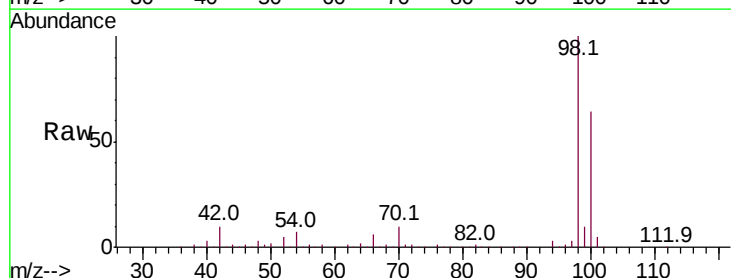
Acq: 8 Jun 2019 2:51

Tgt Ion: 98 Resp: 611785

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

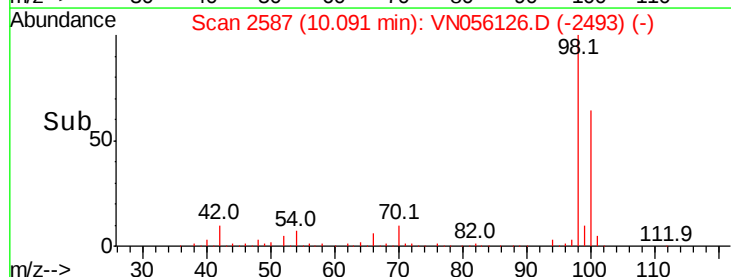
300000

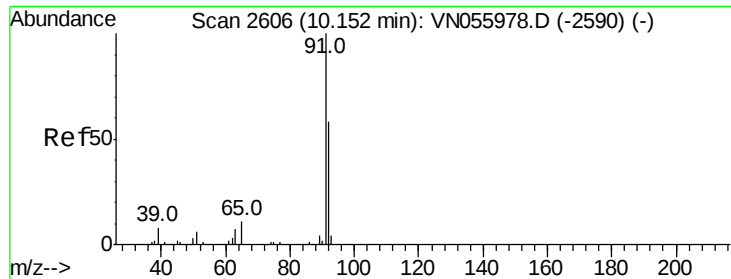
200000

100000

0

Time--> 10.00 10.10 10.20 10.30





#52

Toluene

Concen: 0.404 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

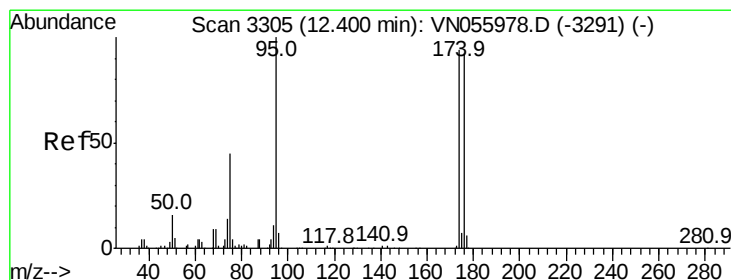
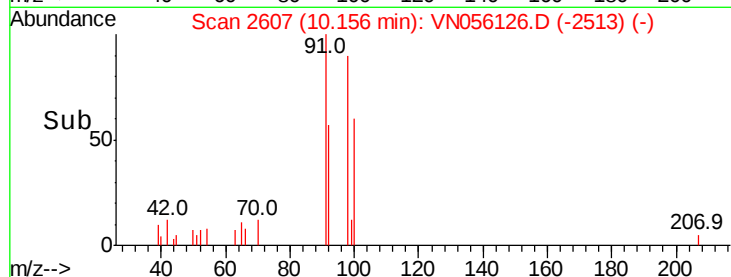
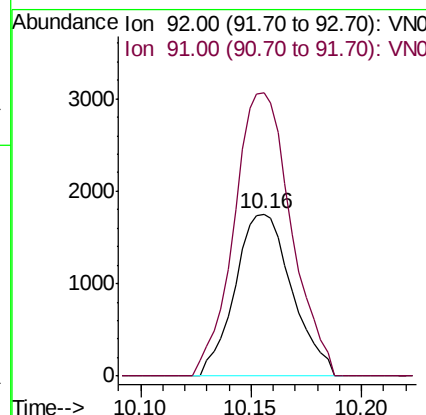
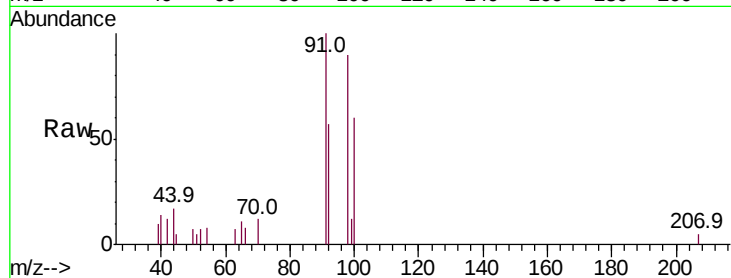
DUP-0530-190604

Tot Ion: 92 Resp: 3139

Ion Ratio Lower Upper

92 100

91 175.5 139.4 209.2



#62

4-Bromofluorobenzene

Concen: 48.605 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

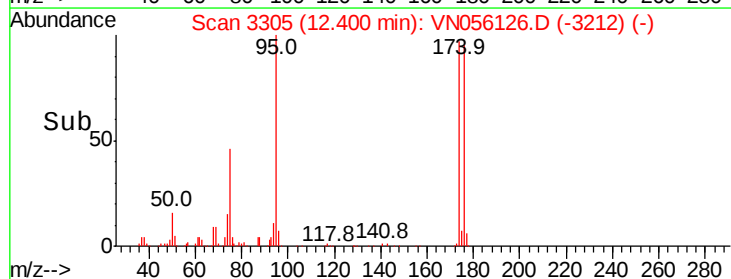
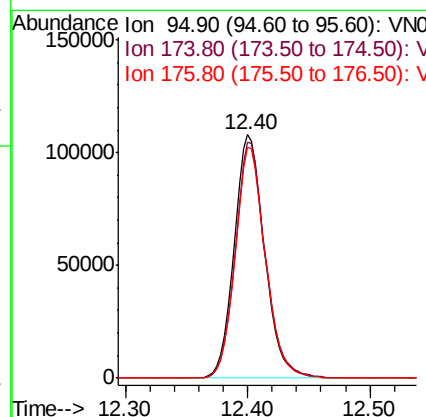
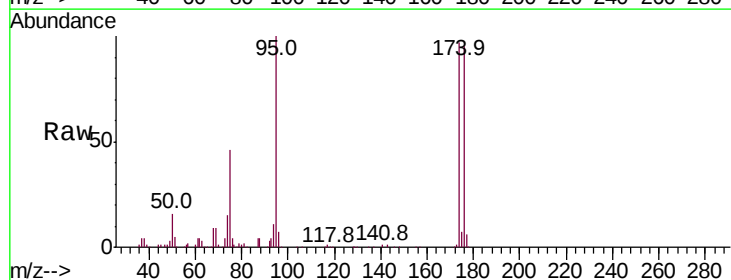
Tgt Ion: 95 Resp: 186736

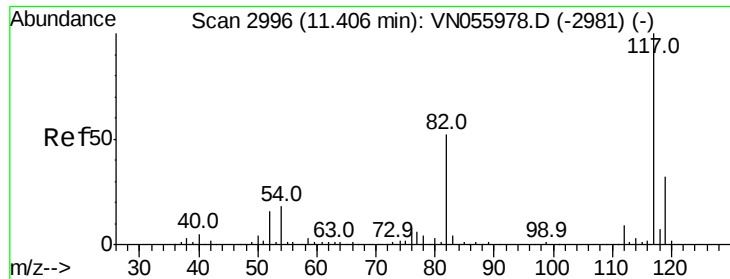
Ion Ratio Lower Upper

95 100

174 96.1 0.0 191.0

176 93.9 0.0 185.2

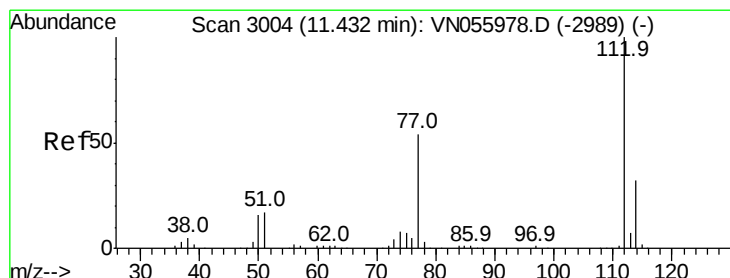
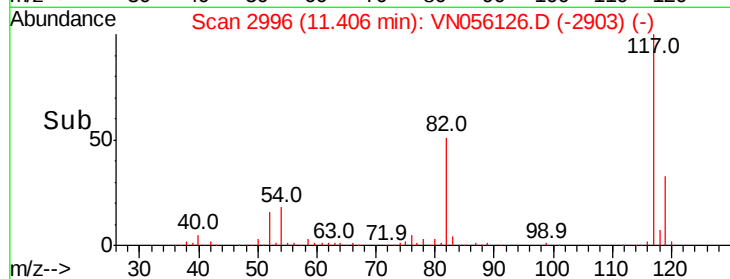
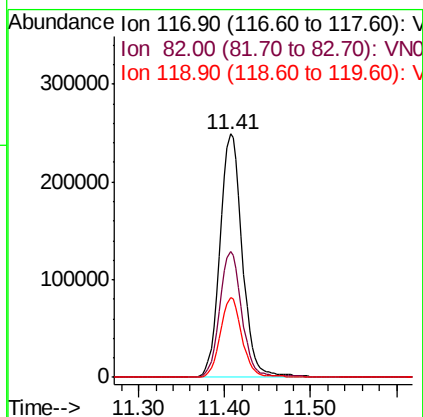
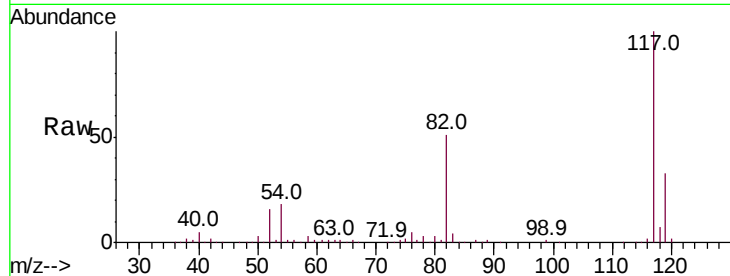




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056126.D
Acq: 8 Jun 2019 2:51

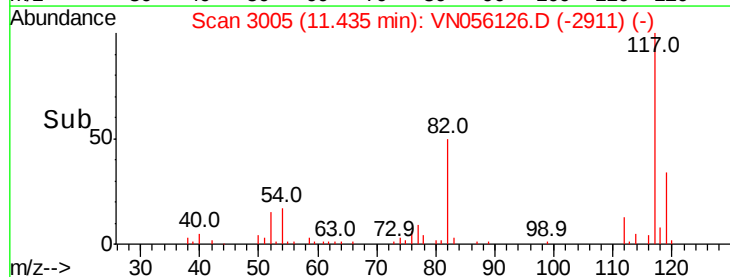
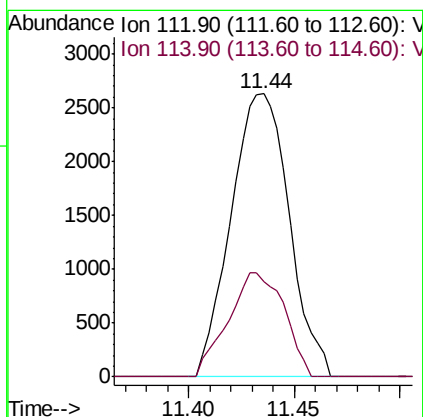
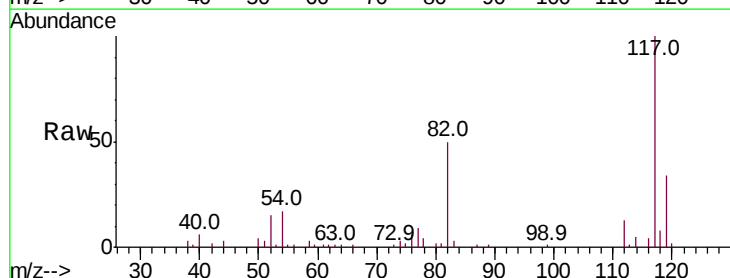
Instrument :
MSVOA_N
ClientSampleId :
DUP-0530-190604

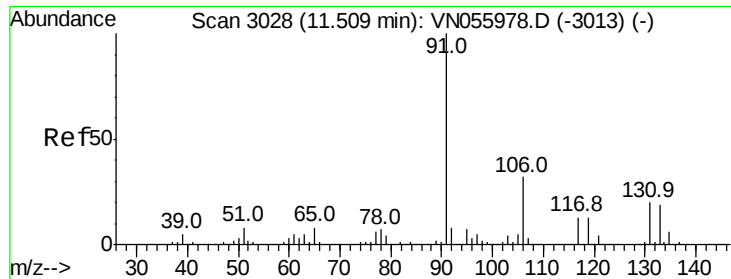
Tot Ion:117 Resp: 450065
Ion Ratio Lower Upper
117 100
82 51.5 41.8 62.8
119 32.5 25.4 38.0



#65
Chlorobenzene
Concen: 0.564 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN056126.D
Acq: 8 Jun 2019 2:51

Tgt Ion:112 Resp: 5048
Ion Ratio Lower Upper
112 100
114 33.5 26.2 39.4

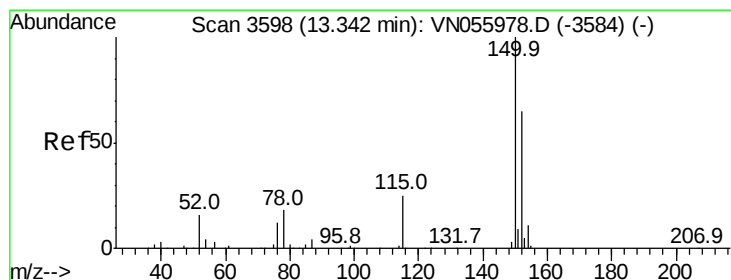
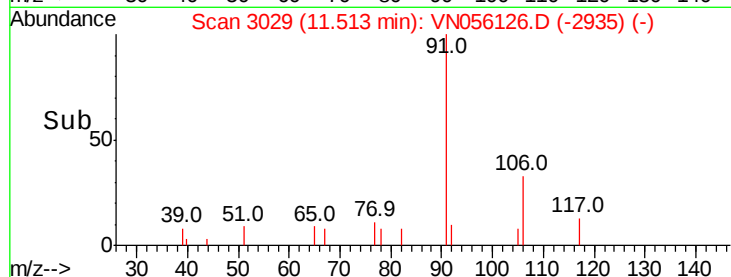
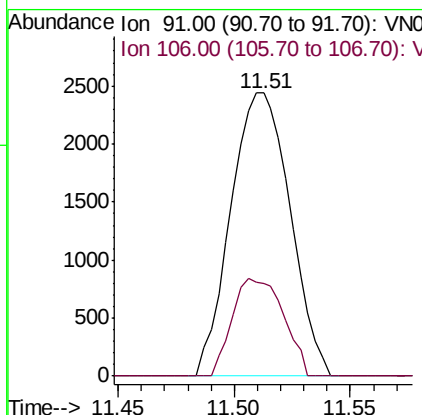
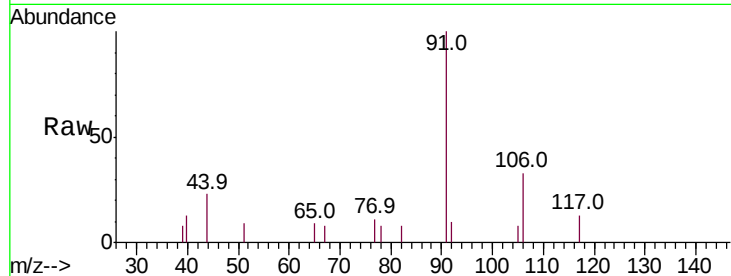




#67
Ethyl Benzene
Concen: 0.278 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN056126.D
Acq: 8 Jun 2019 2:51

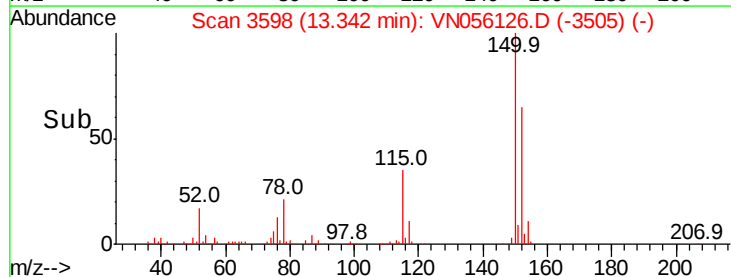
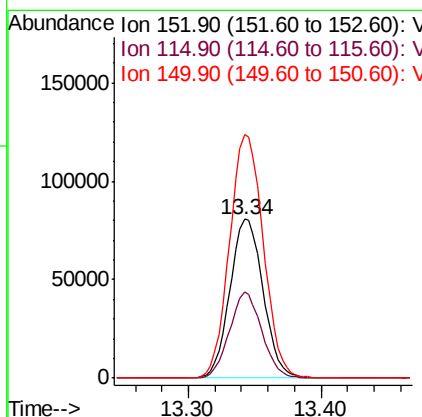
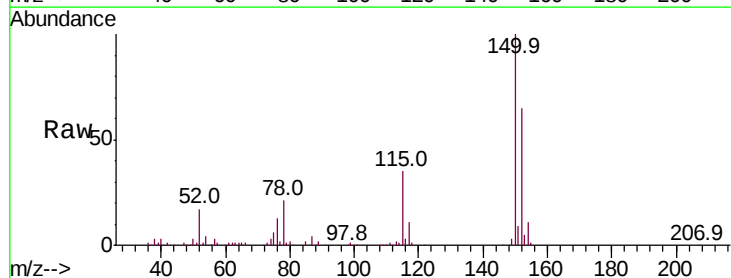
Instrument :
MSVOA_N
ClientSampleId :
DUP-0530-190604

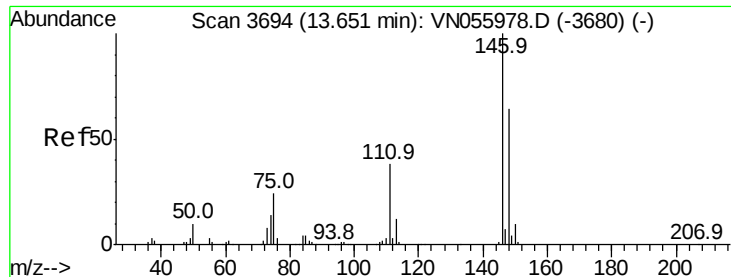
Tot Ion: 91 Resp: 4336
Ion Ratio Lower Upper
91 100
106 32.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056126.D
Acq: 8 Jun 2019 2:51

Tgt Ion: 152 Resp: 140490
Ion Ratio Lower Upper
152 100
115 52.7 27.0 81.0
150 155.7 0.0 343.2





#91

1,2-Dichlorobenzene

Concen: 1.182 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056126.D

Acq: 8 Jun 2019 2:51

Instrument :

MSVOA_N

ClientSampleId :

DUP-0530-190604

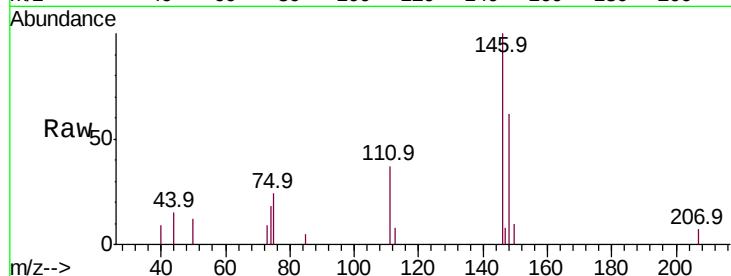
Tot Ion:146 Resp: 5555

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.5

148 63.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

