

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056046.D
 Acq On : 6 Jun 2019 15:20
 Operator : JC/SP
 Sample : K3195-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0529-190603

Quant Time: Jun 06 17:55:13 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	333138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	503046	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	468054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145679	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	177707	53.72	ug/l	0.00
Spiked Amount			Recovery	=	107.44%	
35) Dibromofluoromethane	7.59	113	155756	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.09	98	647236	54.50	ug/l	0.00
Spiked Amount			Recovery	=	109.00%	
62) 4-Bromofluorobenzene	12.40	95	198855	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	

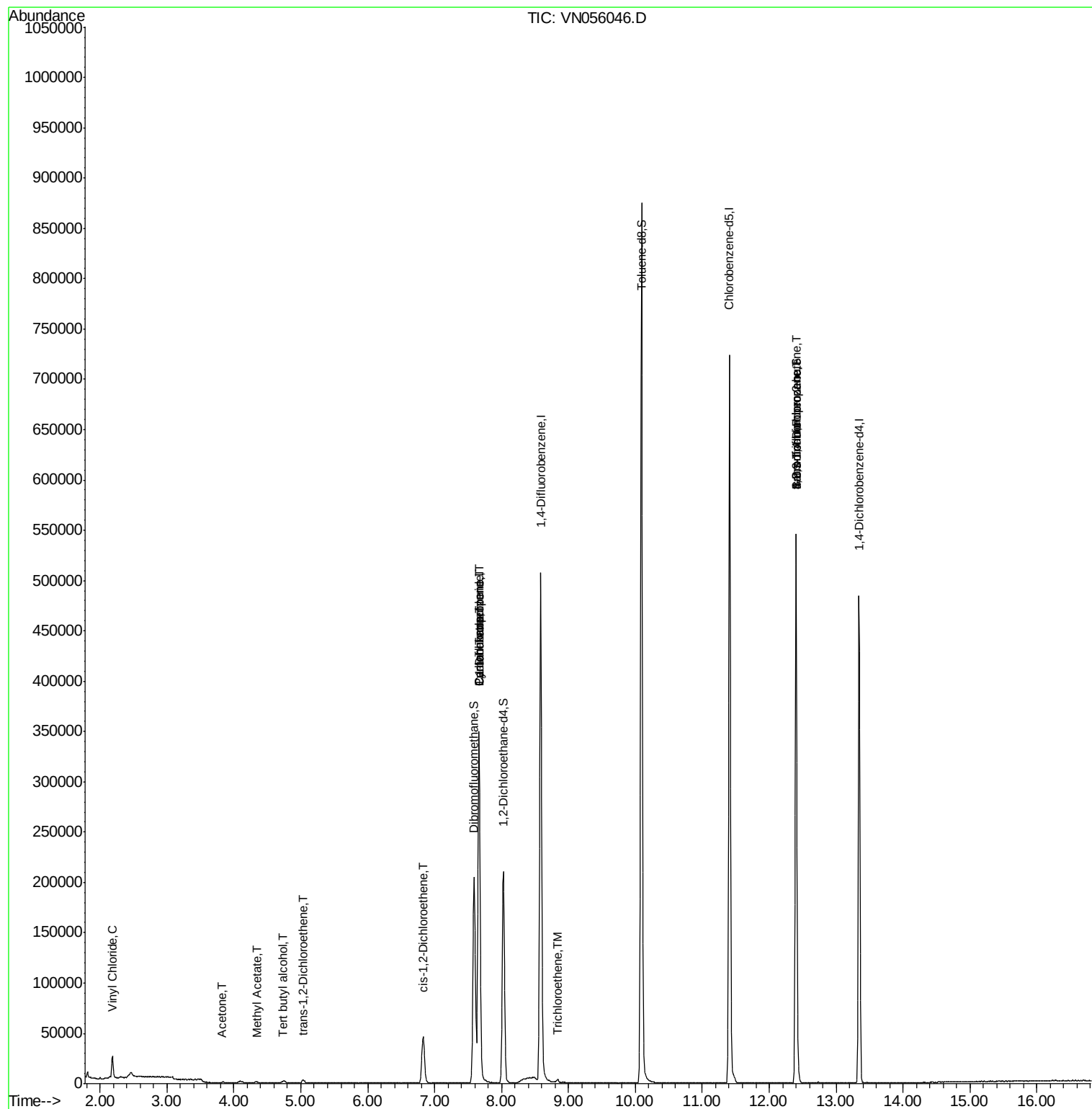
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	21113	5.828	ug/l	97
11) Tert butyl alcohol	4.73	59	701	1.218	ug/l #	74
16) Acetone	3.82	43	1254	0.793	ug/l #	41
18) Methyl Acetate	4.34	43	2933	0.370	ug/l #	60
21) trans-1,2-Dichloroethene	5.02	96	902	0.301	ug/l	91
27) cis-1,2-Dichloroethene	6.83	96	32536	9.237	ug/l	91
31) Cyclohexane	7.66	56	4471	0.852	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	19297	4.461	ug/l #	48
38) Carbon Tetrachloride	7.66	117	27443	6.882	ug/l #	15
44) Trichloroethene	8.84	130	1085	0.287	ug/l	88
71) Bromoform	12.40	173	1337	3.210	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	90254	33.670	ug/l #	100
79) 2-Chlorotoluene	12.40	91	448	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	90254	112.127	ug/l #	15

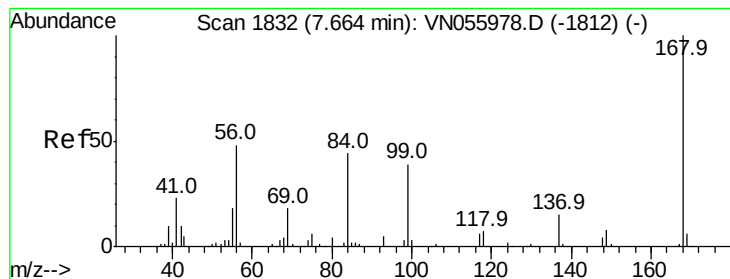
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056046.D

Acq: 6 Jun 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

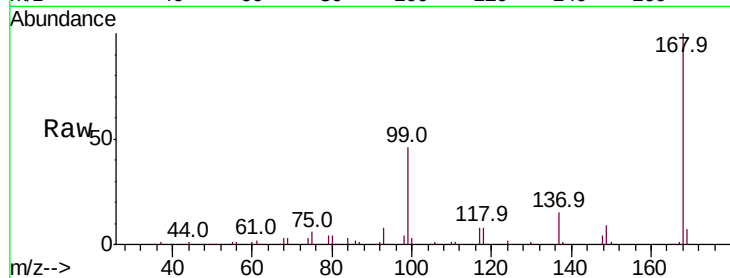
DUP-0529-190603

Tot Ion:168 Resp: 333138

Ion Ratio Lower Upper

168 100

99 46.4 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

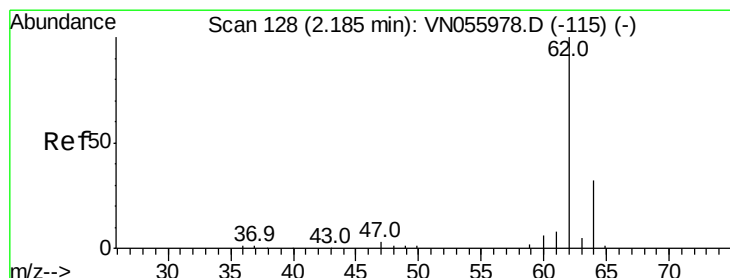
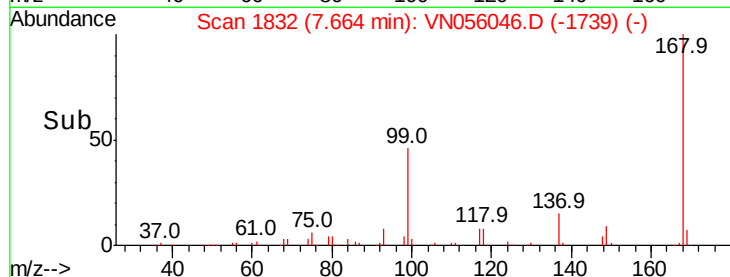
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 5.828 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056046.D

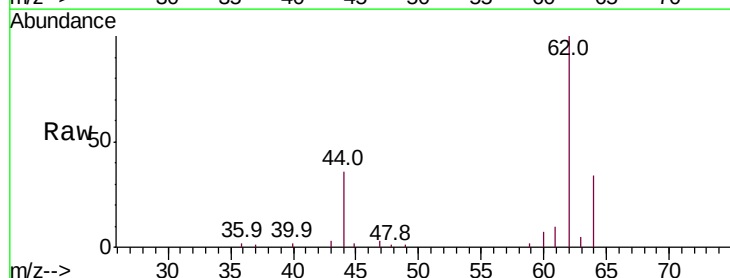
Acq: 6 Jun 2019 15:20

Tgt Ion: 62 Resp: 21113

Ion Ratio Lower Upper

62 100

64 33.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

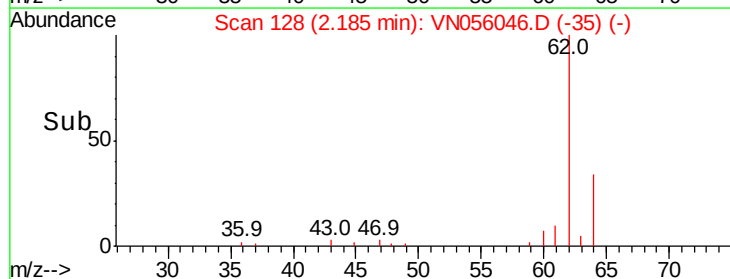
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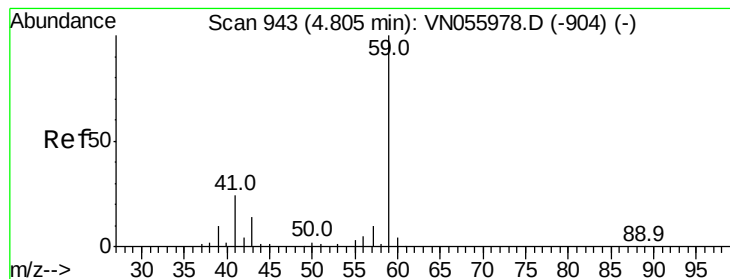
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Time-->



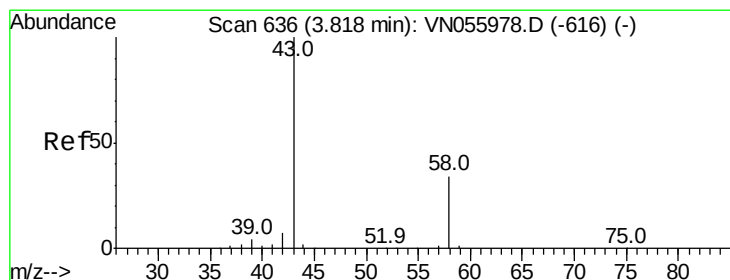
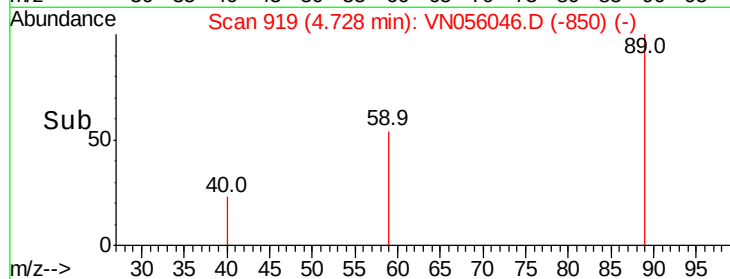
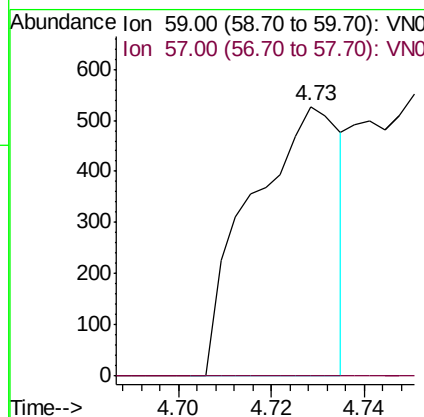
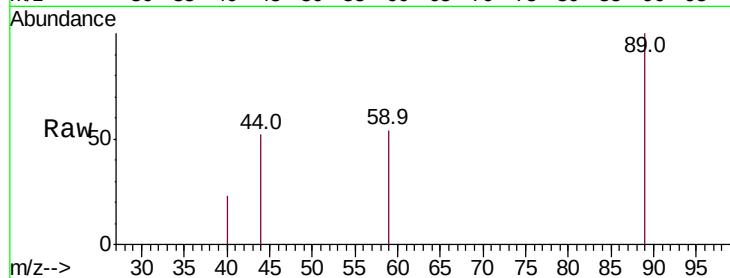


#11

Tert butyl alcohol
Concen: 1.218 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.08 min
Lab File: VN056046.D
Acq: 6 Jun 2019 15:20

Instrument :
MSVOA_N
ClientSampleId :
DUP-0529-190603

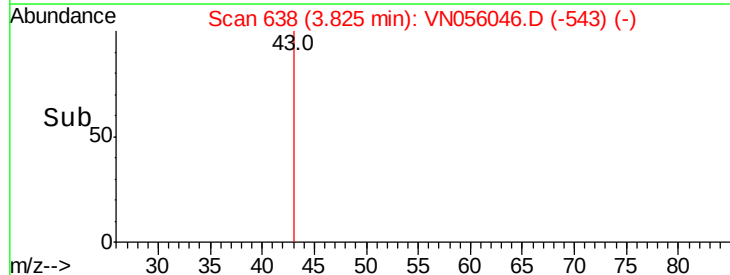
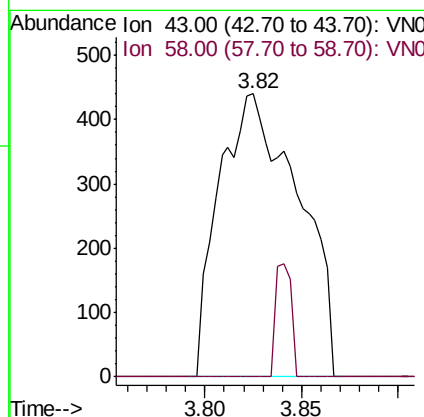
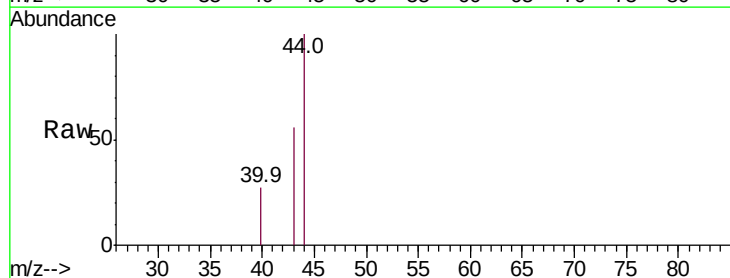
Tot Ion: 59 Resp: 701
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

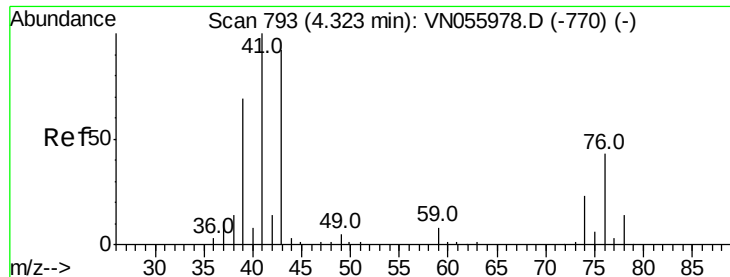


#16

Acetone
Concen: 0.793 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056046.D
Acq: 6 Jun 2019 15:20

Tgt Ion: 43 Resp: 1254
Ion Ratio Lower Upper
43 100
58 0.0 26.6 39.8#

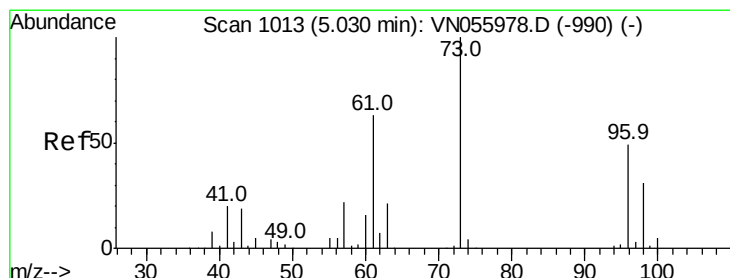
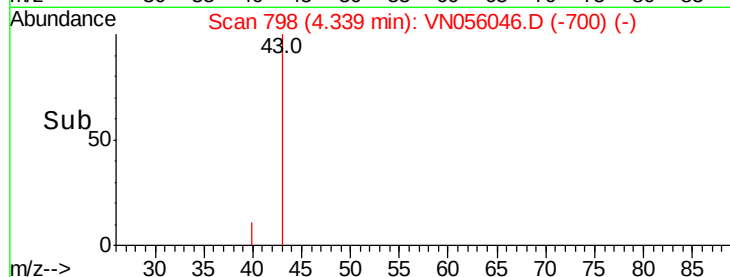
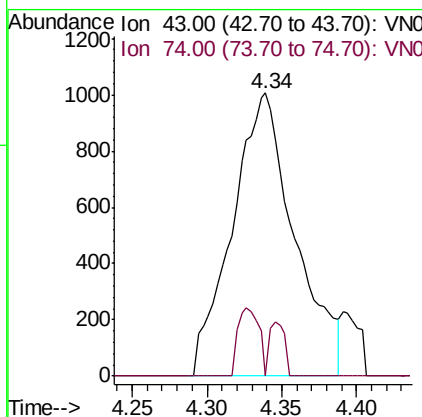
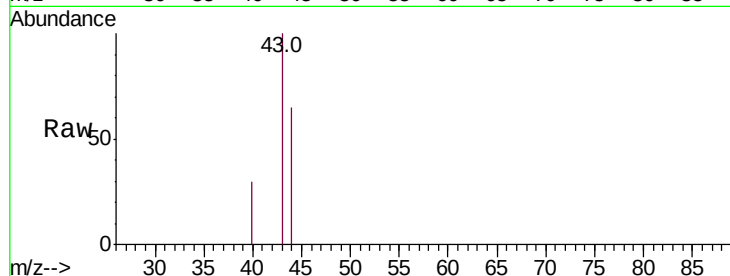




#18
Methyl Acetate
Concen: 0.370 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN056046.D
Acq: 6 Jun 2019 15:20

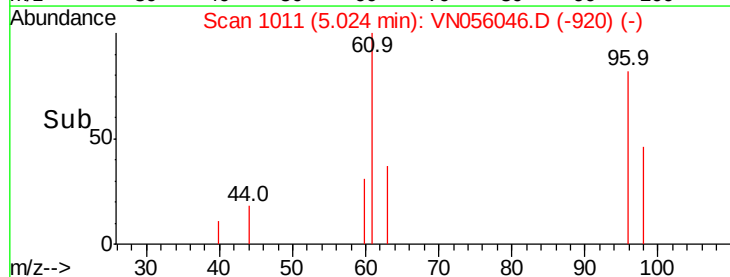
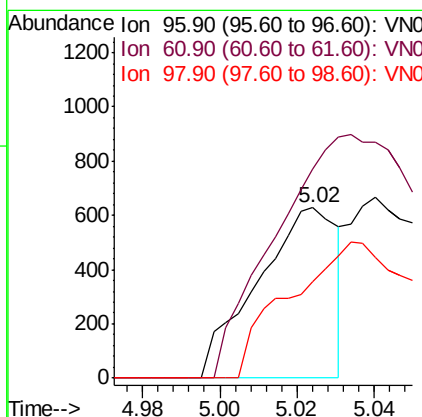
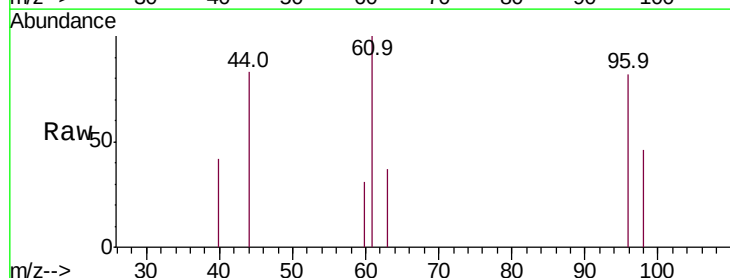
Instrument :
MSVOA_N
ClientSampleId :
DUP-0529-190603

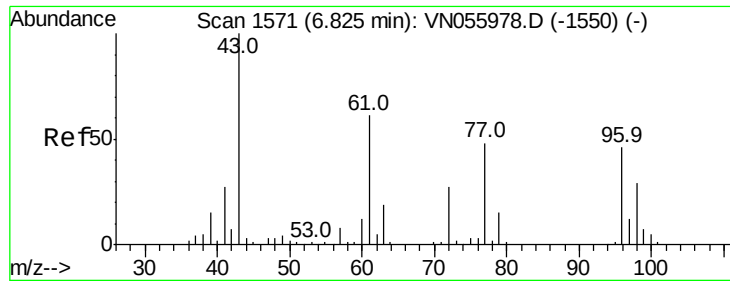
Tot Ion: 43 Resp: 2933
Ion Ratio Lower Upper
43 100
74 4.5 19.3 28.9#



#21
trans-1,2-Dichloroethene
Concen: 0.301 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN056046.D
Acq: 6 Jun 2019 15:20

Tgt Ion: 96 Resp: 902
Ion Ratio Lower Upper
96 100
61 122.6 107.8 161.8
98 56.8 49.8 74.8





#27

cis-1,2-Dichloroethene

Concen: 9.237 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

DUP-0529-190603

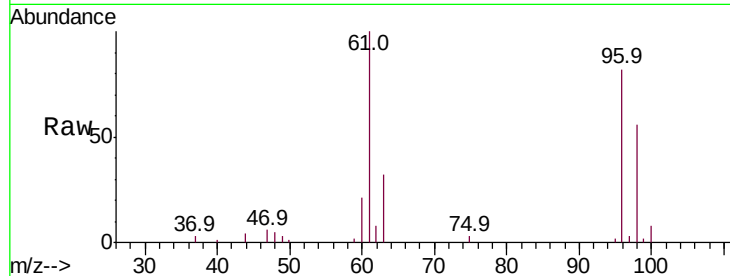
Tot Ion: 96 Resp: 32536

Ion Ratio Lower Upper

96 100

61 122.7 0.0 275.8

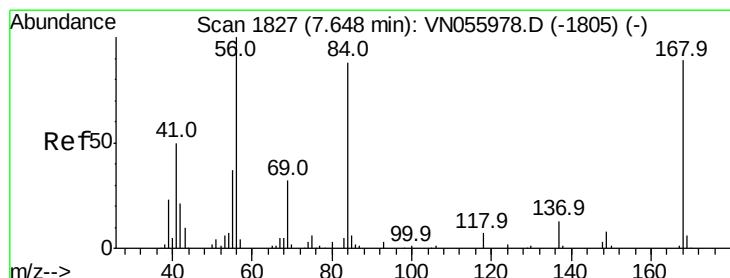
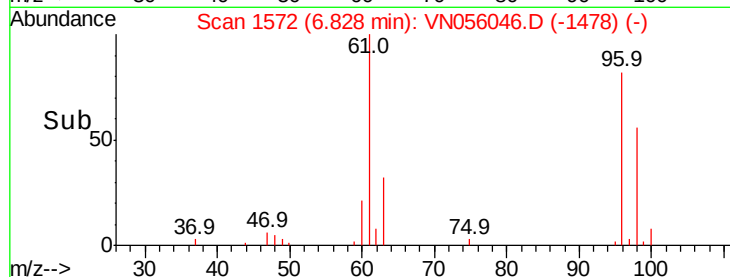
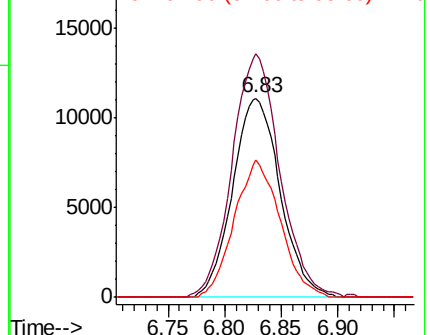
98 66.4 0.0 128.4



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



#31

Cyclohexane

Concen: 0.852 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

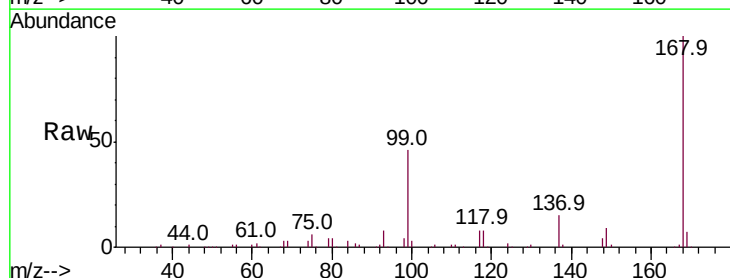
Tgt Ion: 56 Resp: 4471

Ion Ratio Lower Upper

56 100

69 204.8 25.6 38.4#

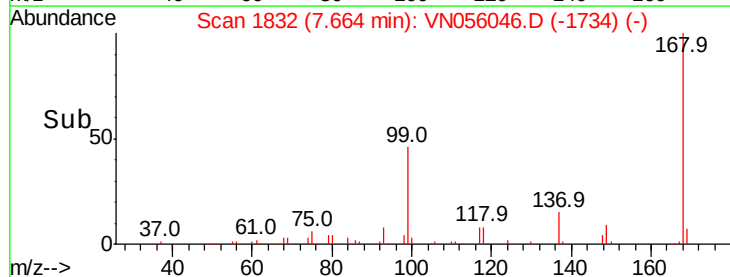
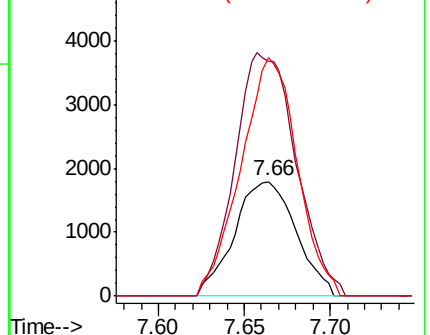
84 208.4 67.4 101.0#

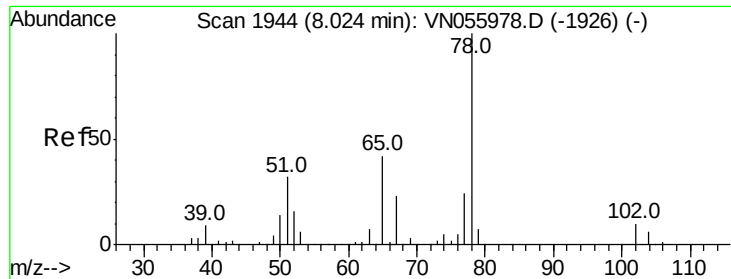


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

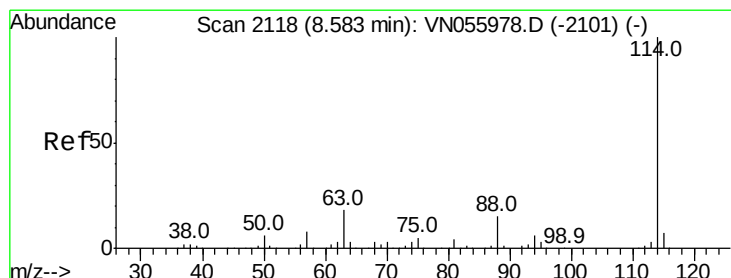
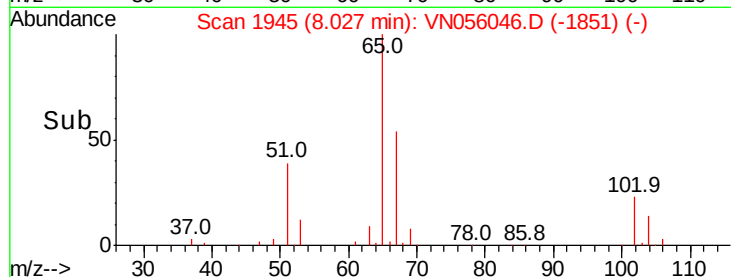
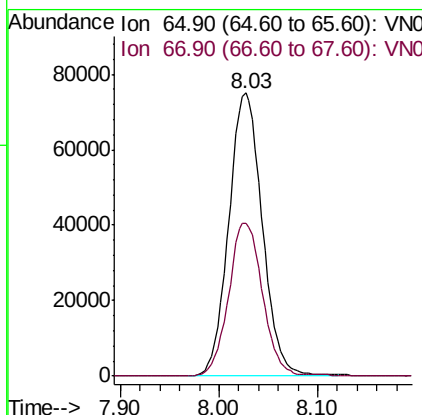
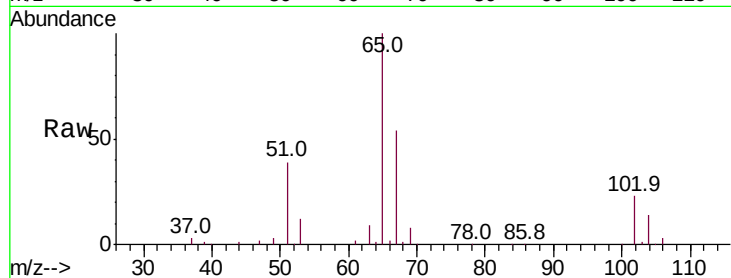




#33
 1,2-Dichloroethane-d4
 Concen: 53.724 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056046.D
 Acq: 6 Jun 2019 15:20

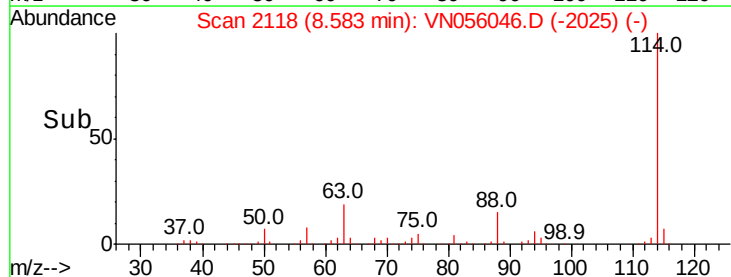
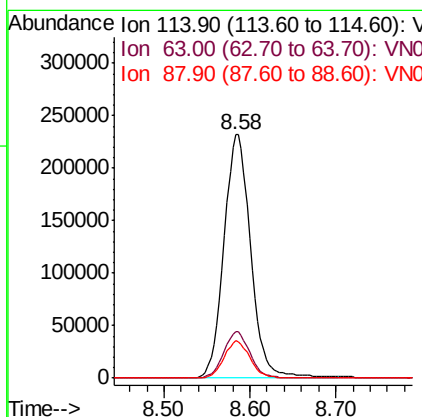
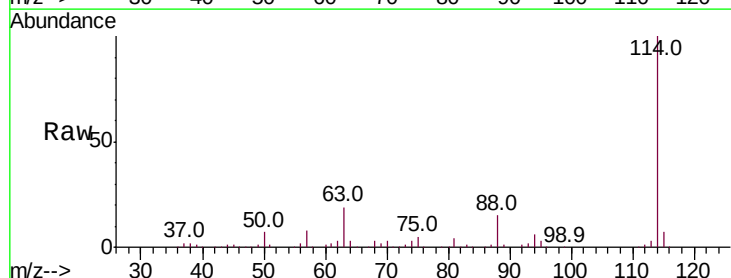
Instrument :
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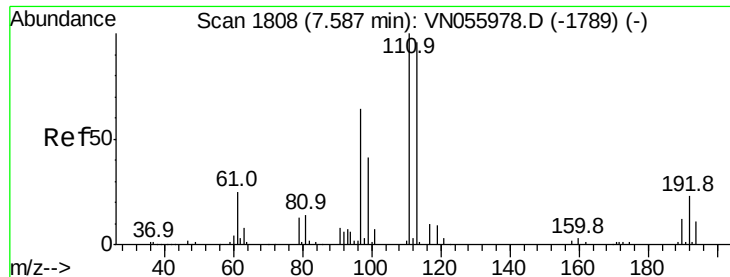
Tot Ion: 65 Resp: 177707
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056046.D
 Acq: 6 Jun 2019 15:20

Tgt Ion: 114 Resp: 503046
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.466 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

DUP-0529-190603

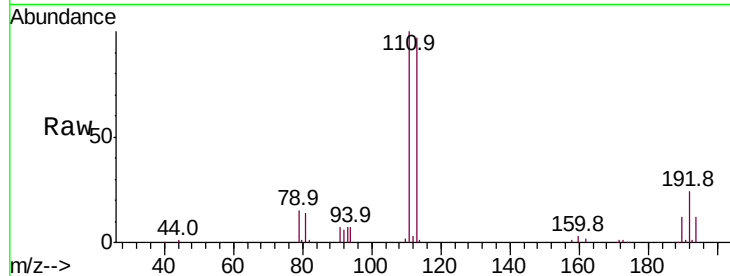
Tot Ion:113 Resp: 155756

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

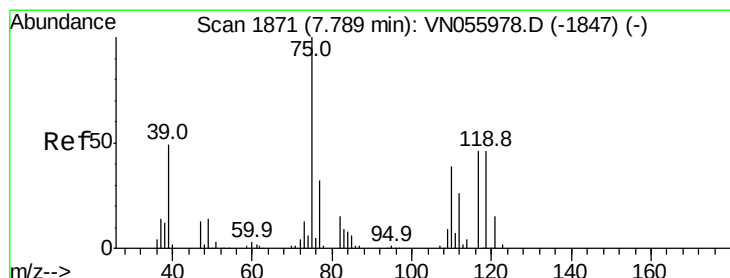
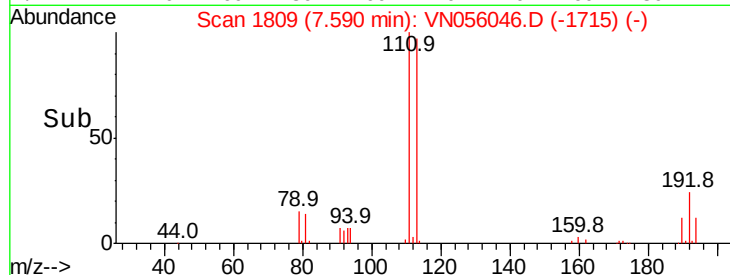
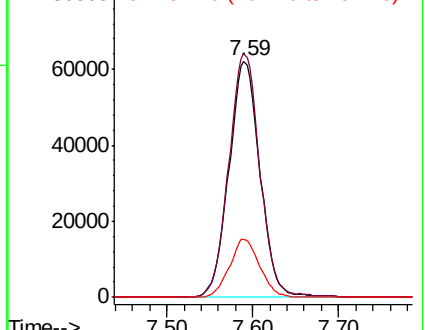
192 23.9 19.5 29.3



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



#36

1,1-Dichloropropene

Concen: 4.461 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

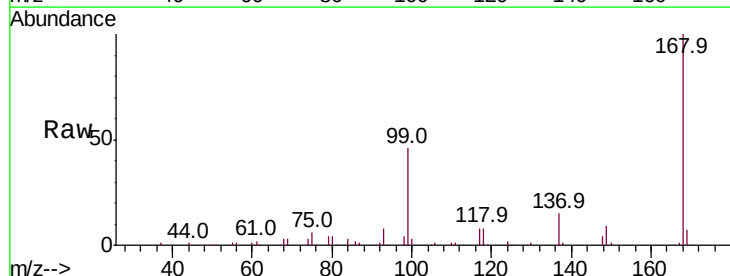
Tgt Ion: 75 Resp: 19297

Ion Ratio Lower Upper

75 100

110 8.6 19.0 57.0#

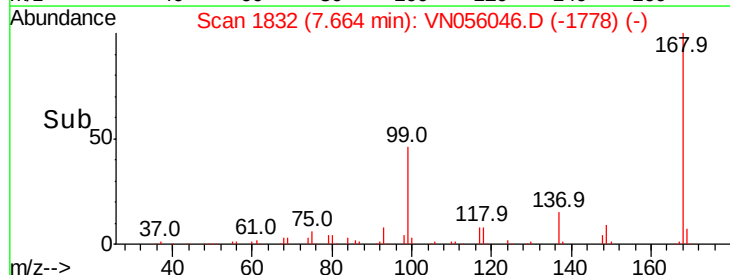
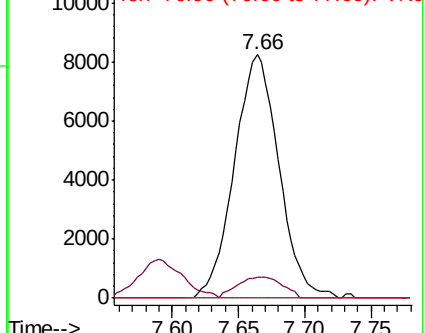
77 0.0 25.1 37.7#

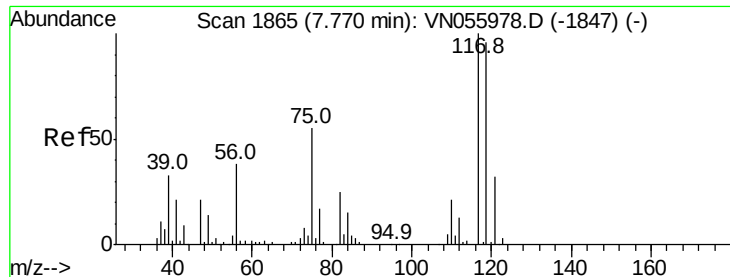


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.882 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

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DUP-0529-190603

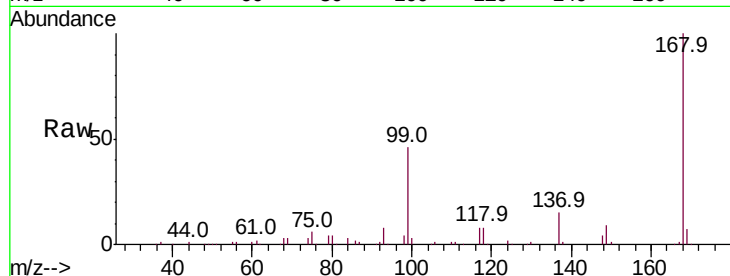
Tot Ion:117 Resp: 27443

Ion Ratio Lower Upper

117 100

119 5.2 79.0 118.6#

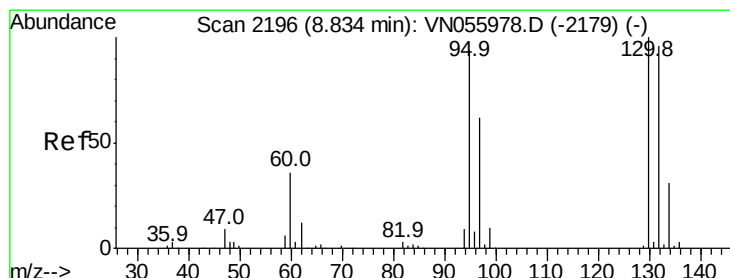
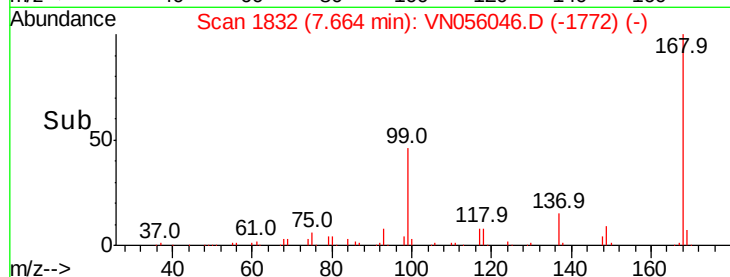
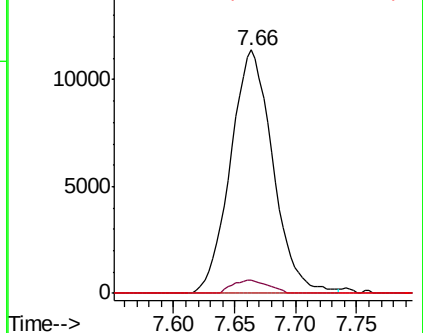
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 0.287 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN056046.D

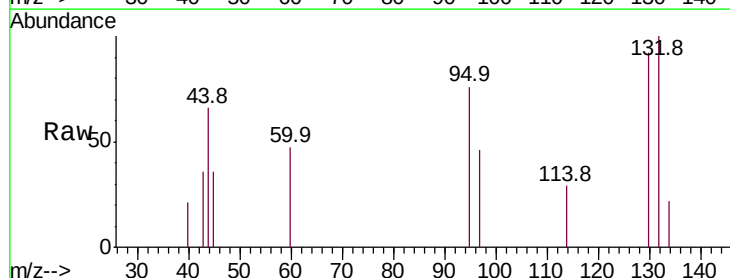
Acq: 6 Jun 2019 15:20

Tgt Ion:130 Resp: 1085

Ion Ratio Lower Upper

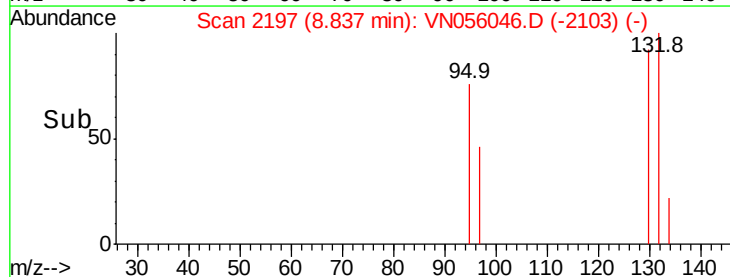
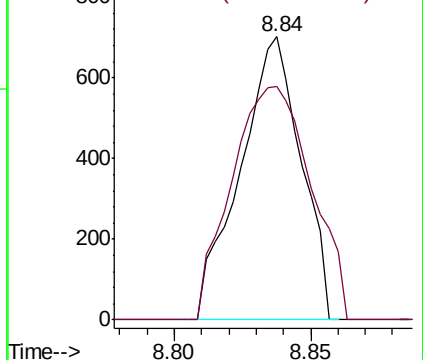
130 100

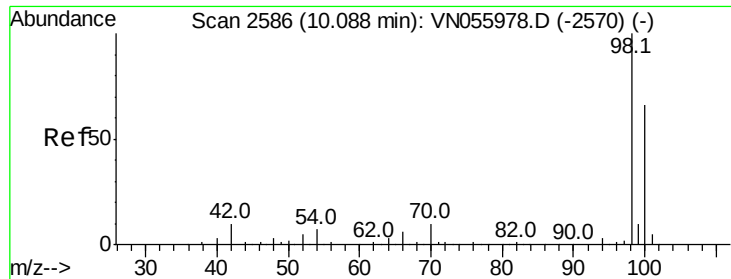
95 82.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 54.498 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

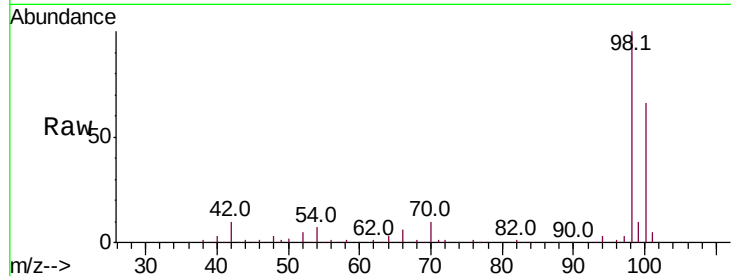
DUP-0529-190603

Tot Ion: 98 Resp: 647236

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

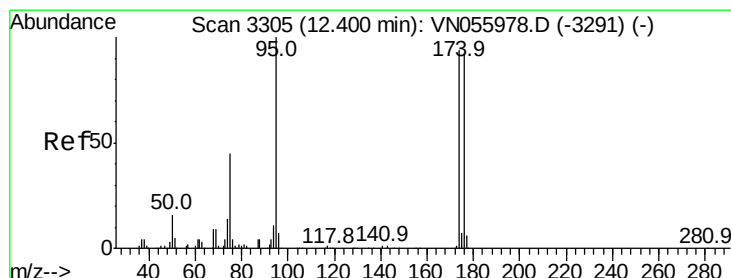
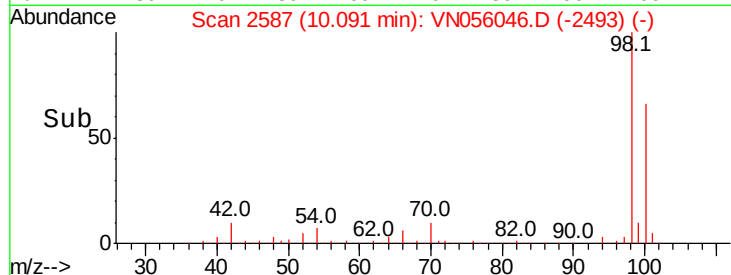
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.236 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

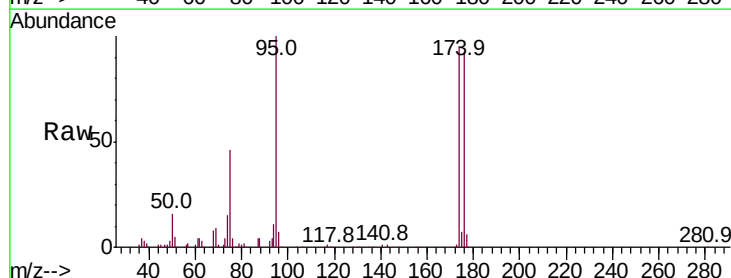
Tgt Ion: 95 Resp: 198855

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

176 92.5 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)

12.40

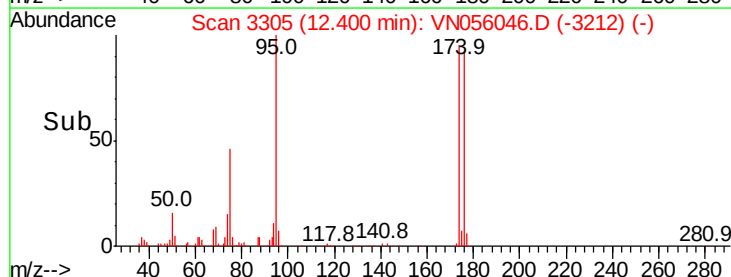
150000

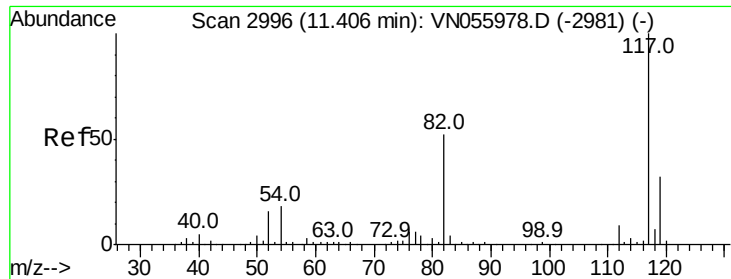
100000

50000

0

Time-->

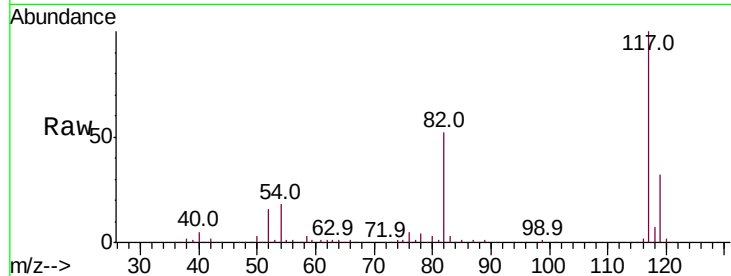




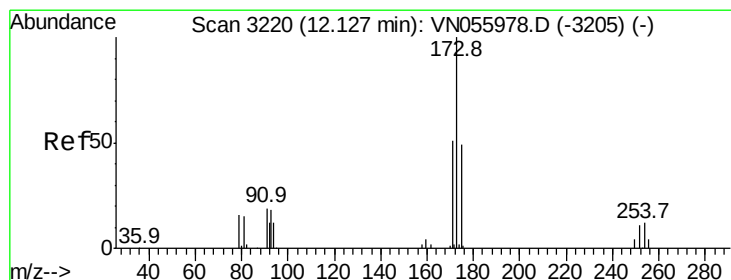
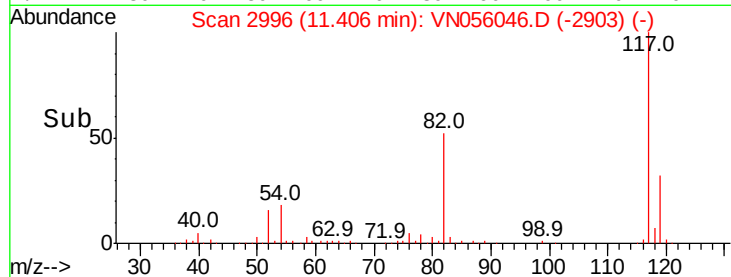
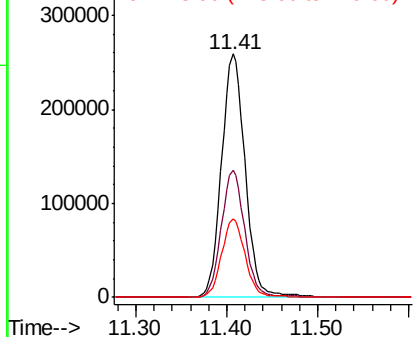
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN056046.D
 Acq: 6 Jun 2019 15:20

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-0529-190603

Tot Ion:117 Resp: 468054
 Ion Ratio Lower Upper
 117 100
 82 52.2 41.8 62.8
 119 32.4 25.4 38.0

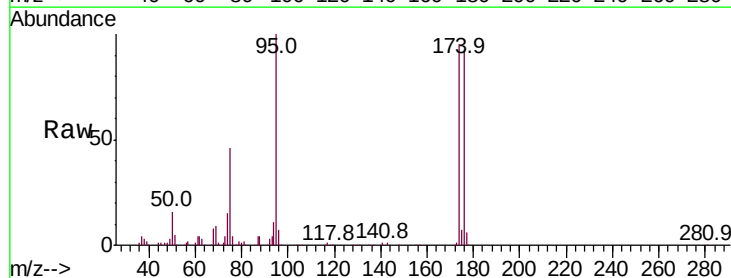


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 118.90 (118.60 to 119.60): V

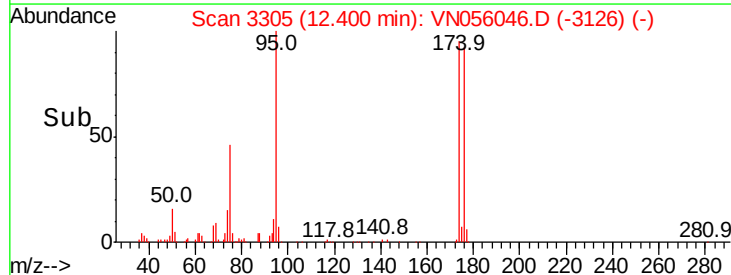
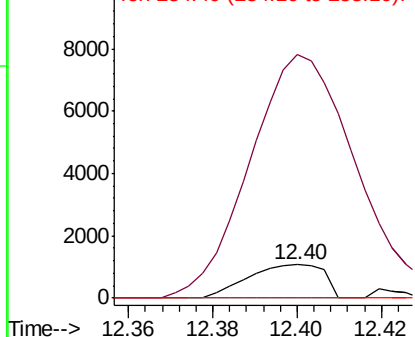


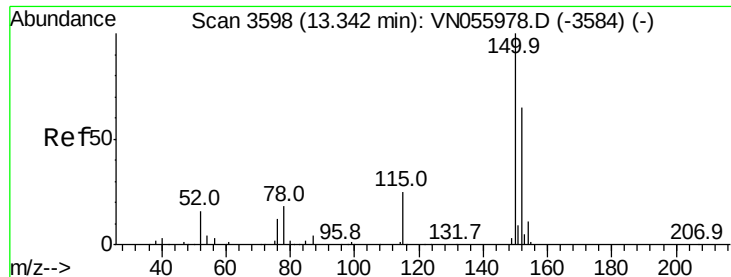
#71
 Bromoform
 Concen: 3.210 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.27 min
 Lab File: VN056046.D
 Acq: 6 Jun 2019 15:20

Tgt Ion:173 Resp: 1337
 Ion Ratio Lower Upper
 173 100
 175 876.8 24.3 72.8#
 254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

DUP-0529-190603

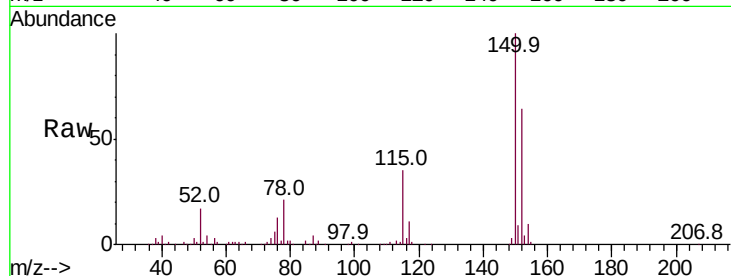
Tot Ion:152 Resp: 145679

Ion Ratio Lower Upper

152 100

115 53.2 27.0 81.0

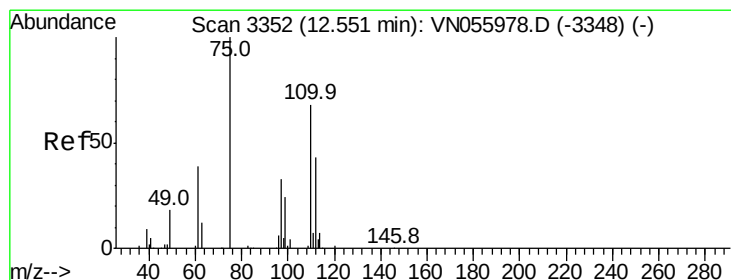
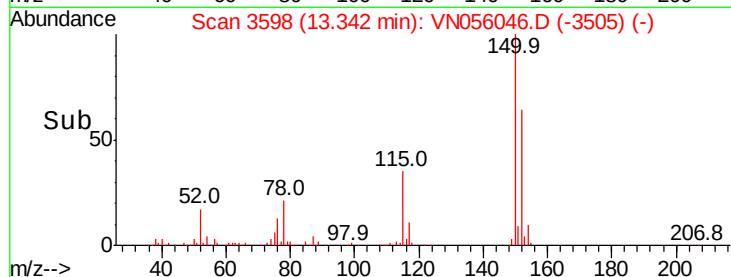
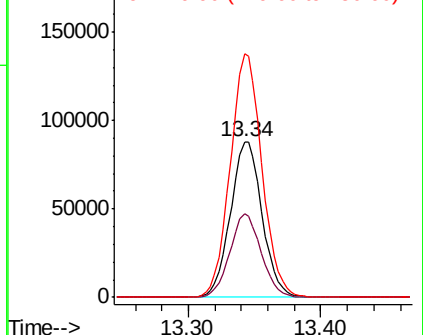
150 157.0 0.0 343.2



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



#76

1,2,3-Trichloropropane

Concen: 33.670 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056046.D

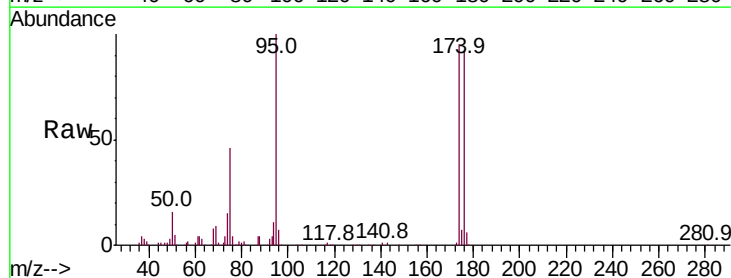
Acq: 6 Jun 2019 15:20

Tgt Ion: 75 Resp: 90254

Ion Ratio Lower Upper

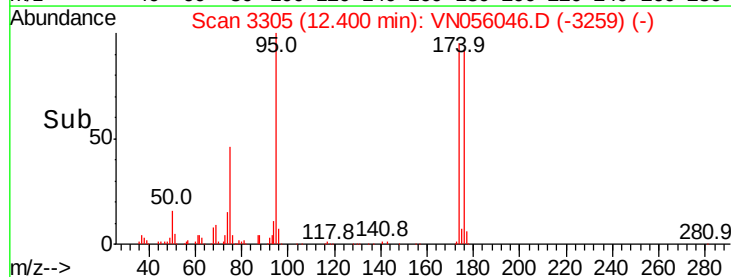
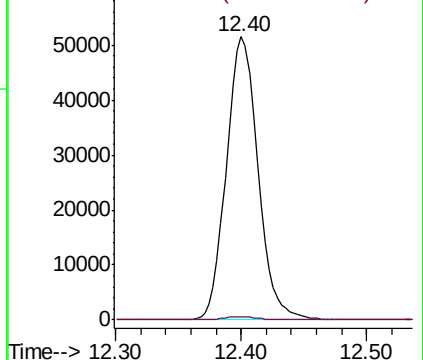
75 100

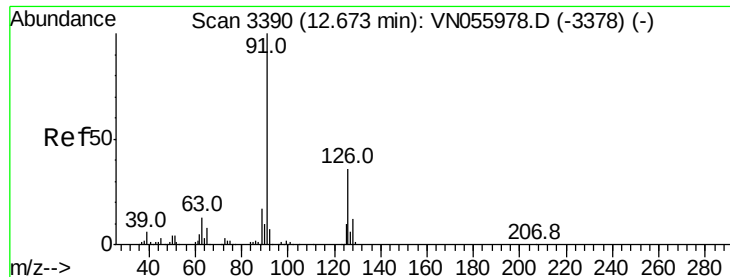
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

Instrument :

MSVOA_N

ClientSampleId :

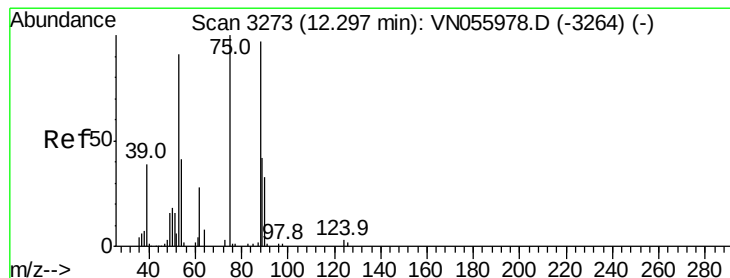
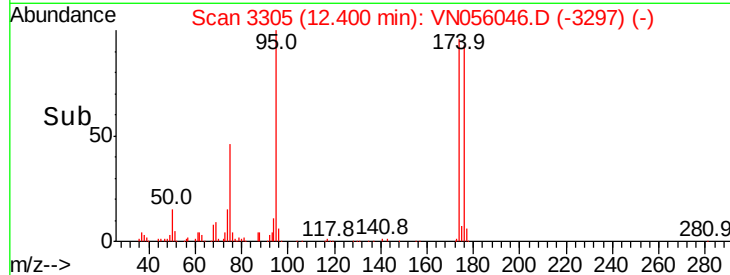
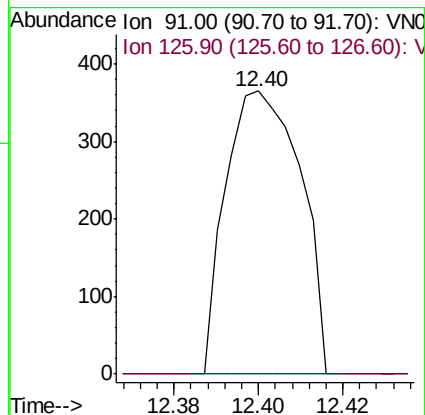
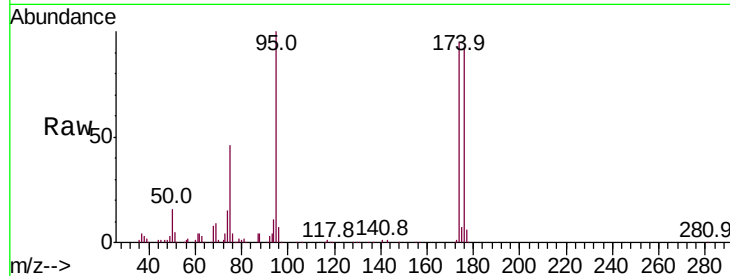
DUP-0529-190603

Tot Ion: 91 Resp: 448

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.127 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056046.D

Acq: 6 Jun 2019 15:20

Tgt Ion: 75 Resp: 90254

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

89 0.0 36.9 55.3#

