

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058495.D
 Acq On : 2 Oct 2019 23:18
 Operator : JC/SP
 Sample : K5131-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 20190830-COMPOSITE-F

Quant Time: Oct 03 06:34:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

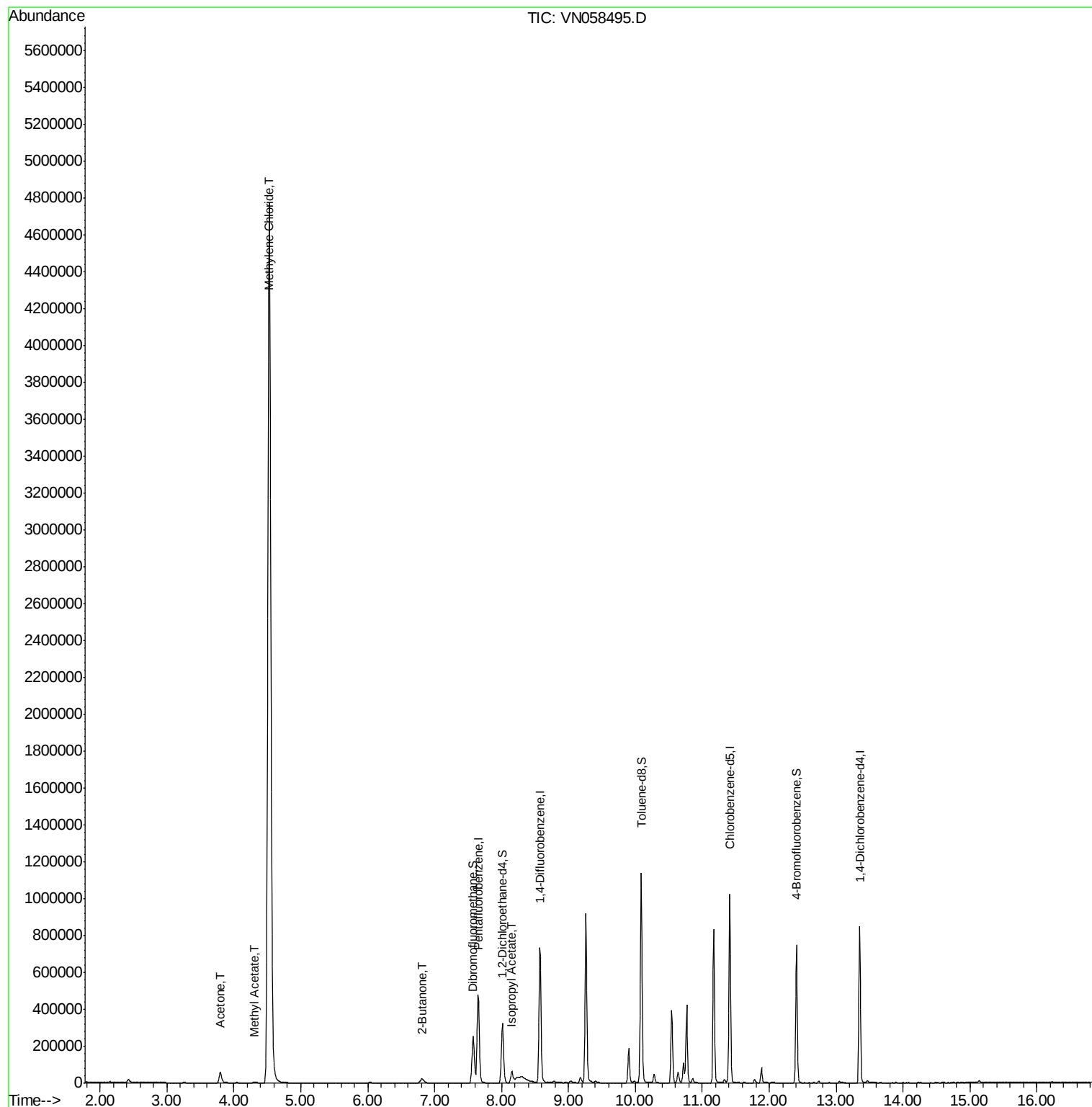
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	370499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	624031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	207668	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	278589	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
35) Dibromofluoromethane	7.58	113	192814	50.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.82%	
50) Toluene-d8	10.09	98	783658	52.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.41	95	249689	46.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.18%	
Target Compounds						
16) Acetone	3.80	43	96751	52.421	ug/l	98
18) Methyl Acetate	4.31	43	11056	2.382	ug/l	96
20) Methylene Chloride	4.53	84	3524475	827.478	ug/l	96
25) 2-Butanone	6.83	43	19162	7.562	ug/l	95
43) Isopropyl Acetate	8.15	43	83613	8.789	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

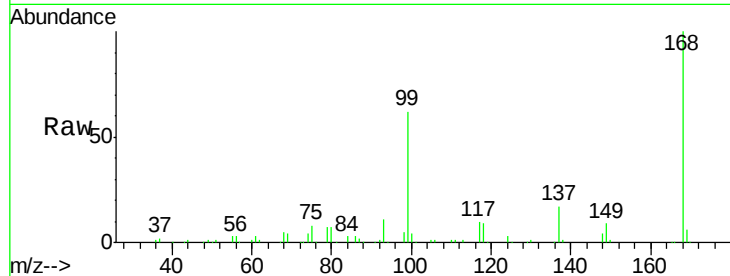
20190830-COMPOSITE-F

Tot Ion:168 Resp: 370499

Ion Ratio Lower Upper

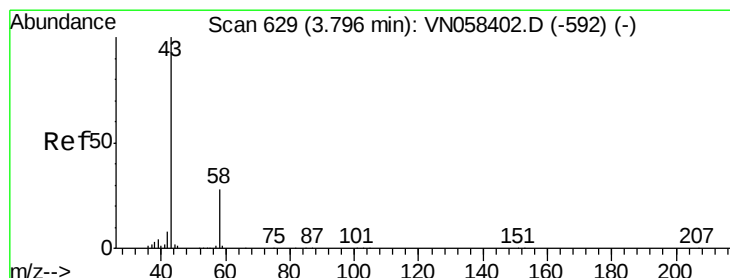
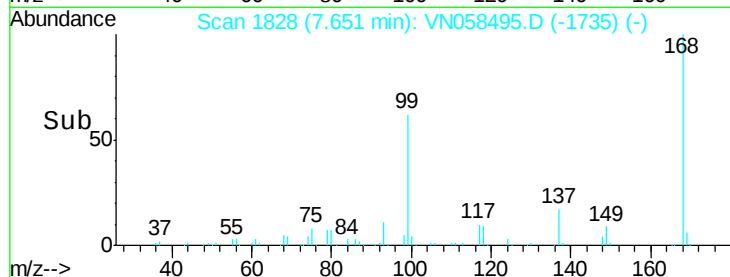
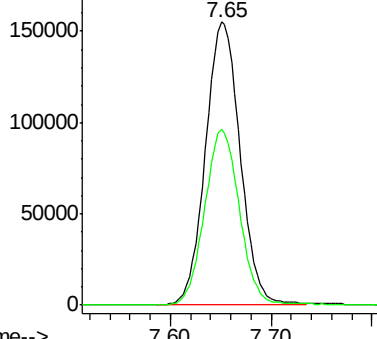
168 100

99 62.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 52.421 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058495.D

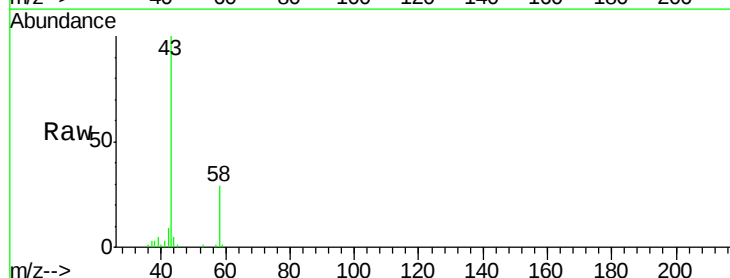
Acq: 2 Oct 2019 23:18

Tgt Ion: 43 Resp: 96751

Ion Ratio Lower Upper

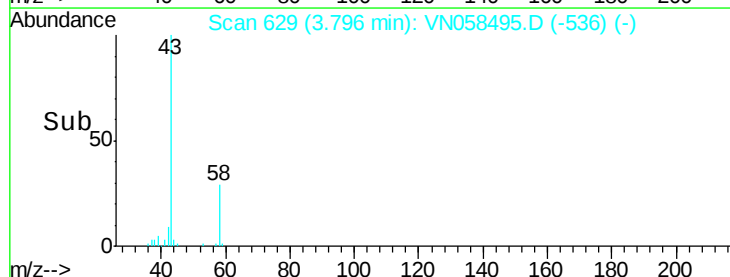
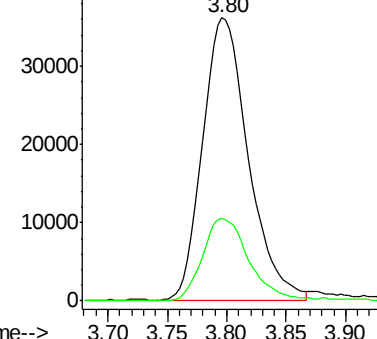
43 100

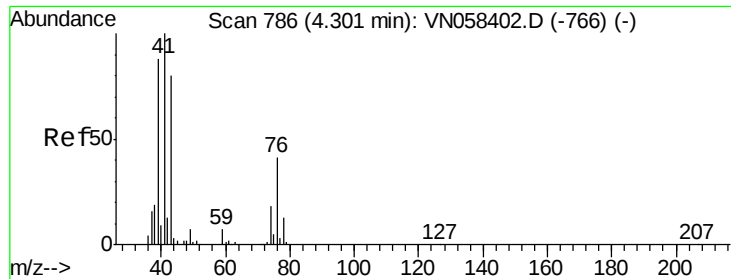
58 29.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

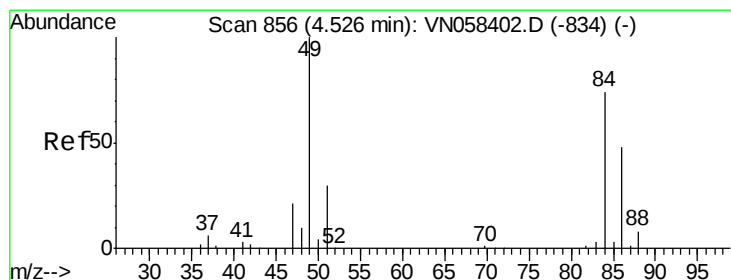
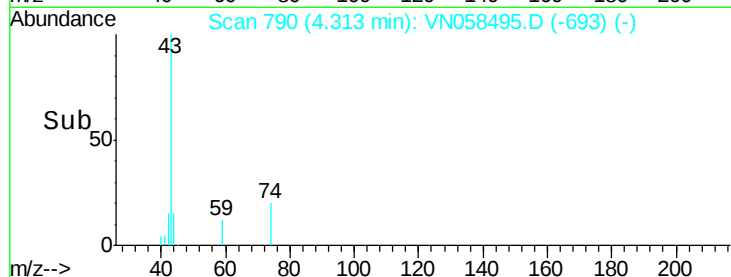
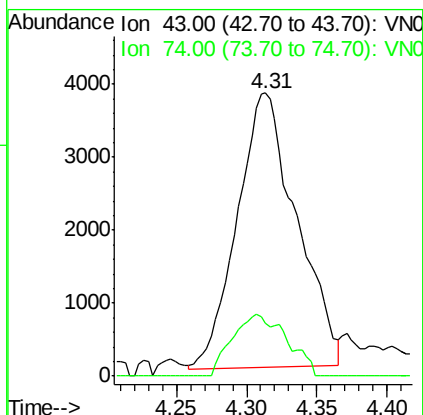
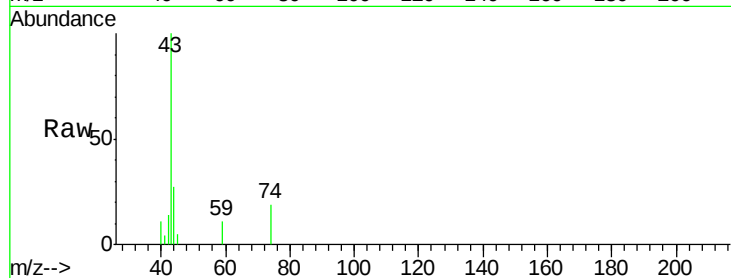




#18
Methvl Acetate
Concen: 2.382 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058495.D
Acq: 2 Oct 2019 23:18

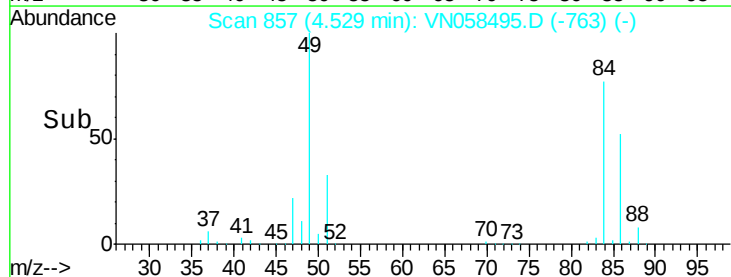
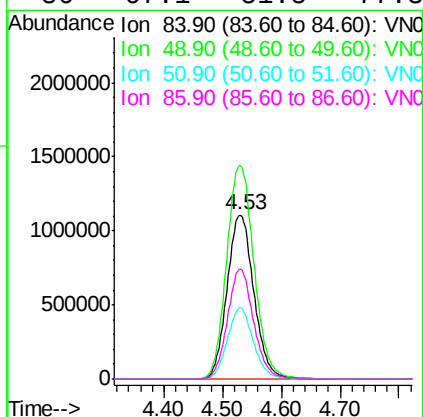
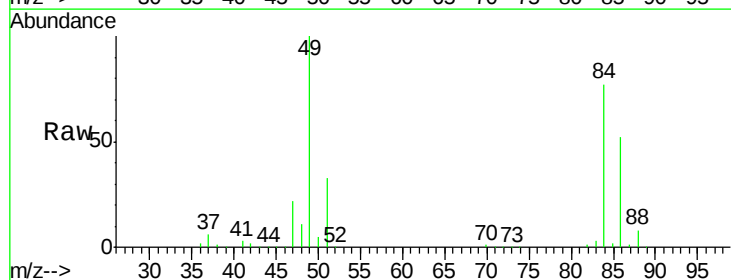
Instrument :
MSVOA_N
ClientSampleId :
20190830-COMPOSITE-F

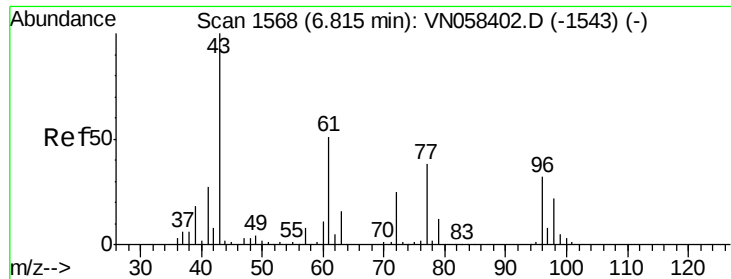
Tot Ion: 43 Resp: 11056
Ion Ratio Lower Upper
43 100
74 20.7 18.0 27.0



#20
Methylene Chloride
Concen: 827.478 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058495.D
Acq: 2 Oct 2019 23:18

Tgt Ion: 84 Resp: 3524475
Ion Ratio Lower Upper
84 100
49 129.8 107.9 161.9
51 43.3 32.8 49.2
86 67.1 51.5 77.3





#25

2-Butanone

Concen: 7.562 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

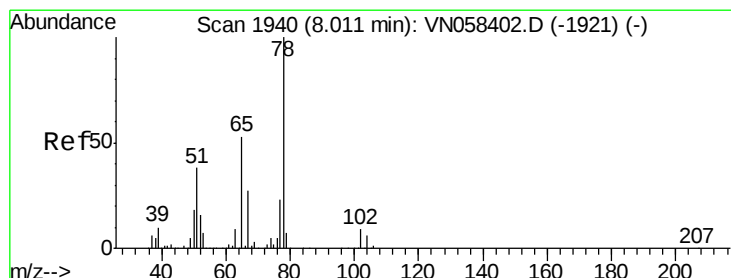
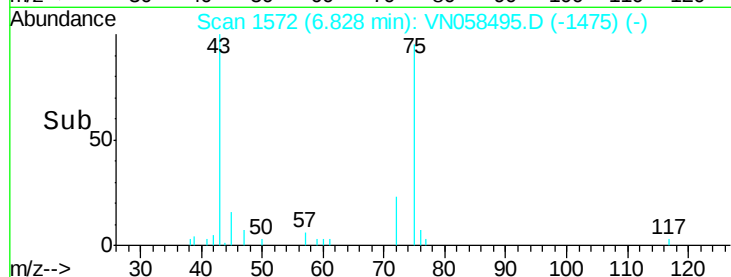
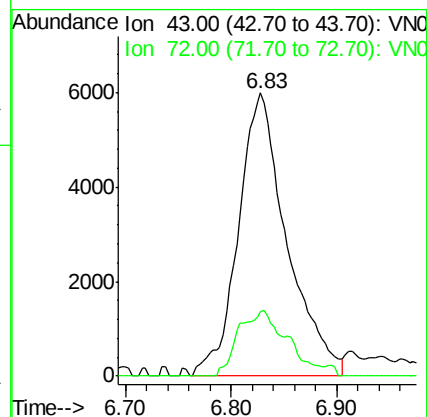
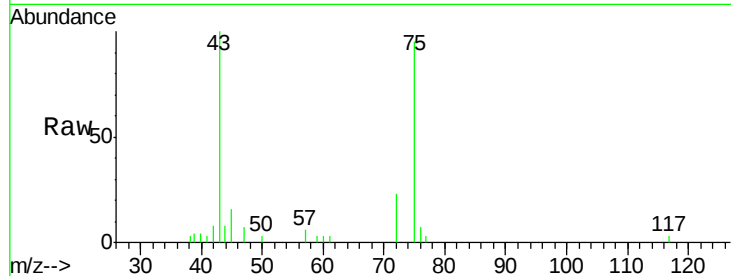
20190830-COMPOSITE-F

Tot Ion: 43 Resp: 19162

Ion Ratio Lower Upper

43 100

72 22.9 20.2 30.4



#33

1,2-Dichloroethane-d4

Concen: 51.455 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058495.D

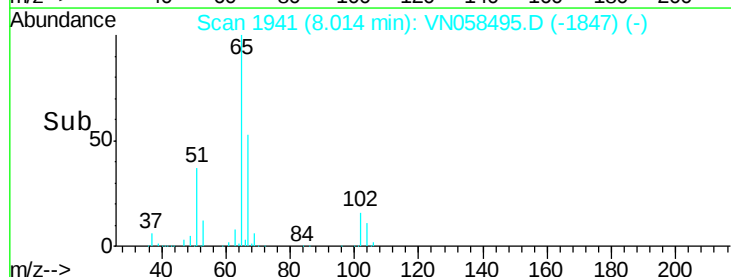
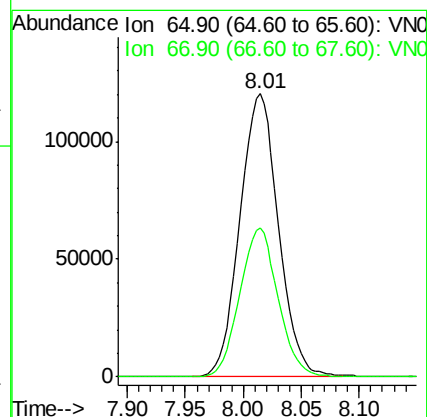
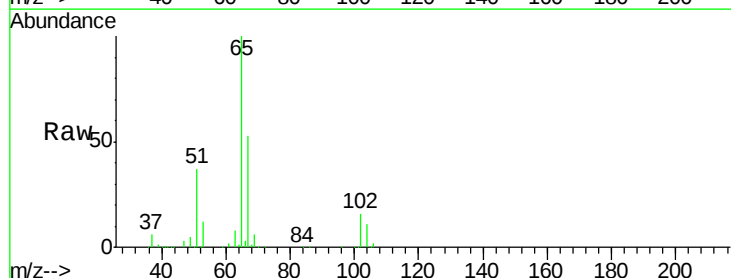
Acq: 2 Oct 2019 23:18

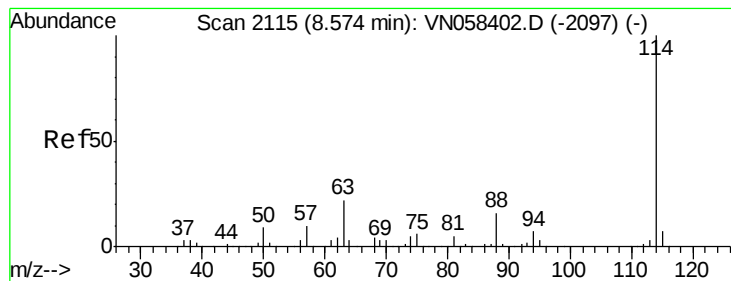
Tgt Ion: 65 Resp: 278589

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. 0.00 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

20190830-COMPOSITE-F

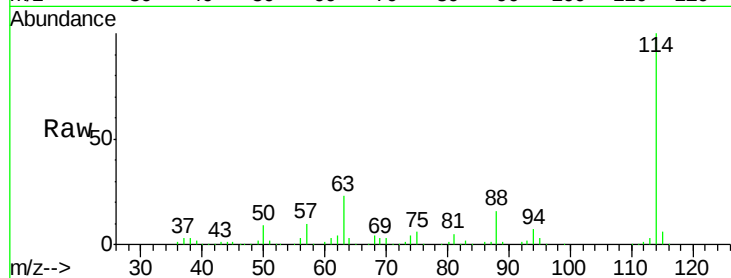
Tot Ion:114 Resp: 624031

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.0

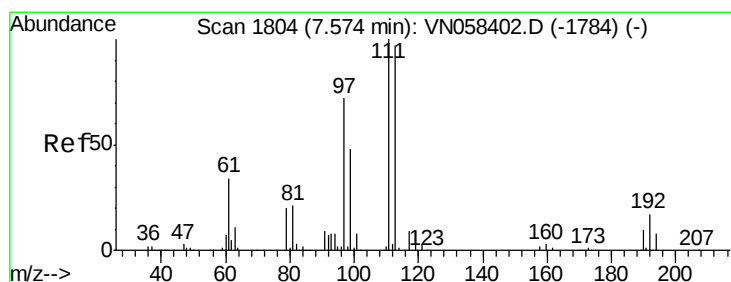
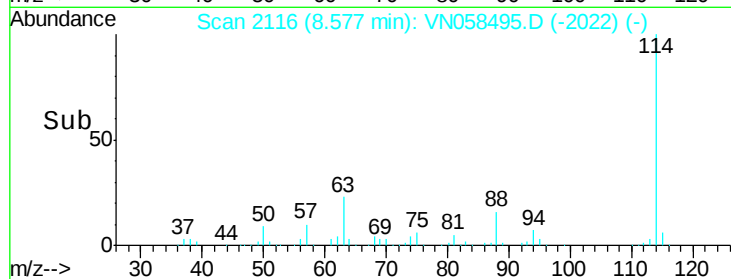
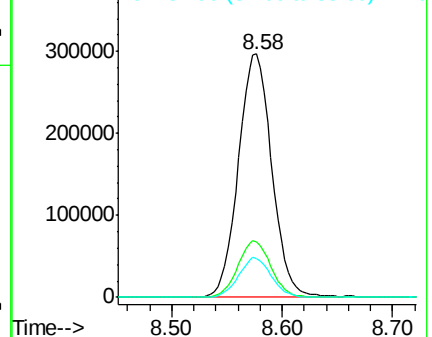
88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.414 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

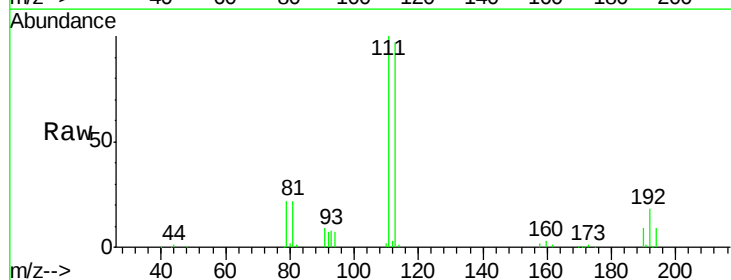
Tgt Ion:113 Resp: 192814

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

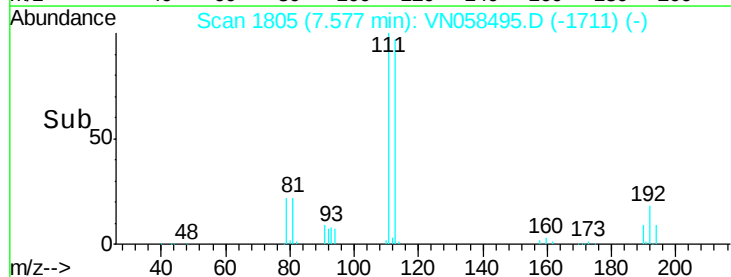
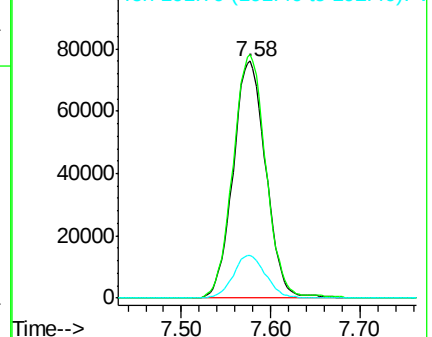
192 18.0 14.9 22.3

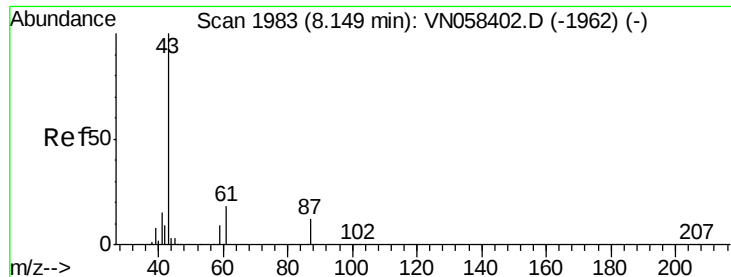


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#43

Isopropyl Acetate

Concen: 8.789 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

Instrument :

MSVOA_N

ClientSampleId :

20190830-COMPOSITE-F

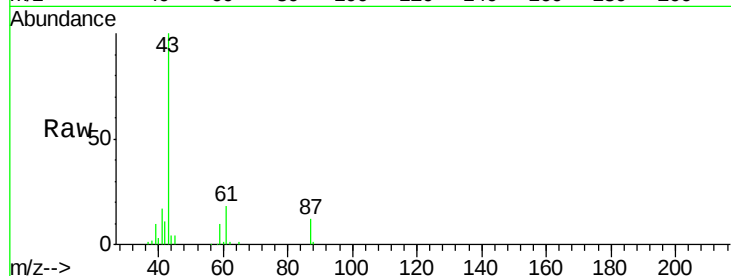
Tot Ion: 43 Resp: 83613

Ion Ratio Lower Upper

43 100

61 16.4 14.8 22.2

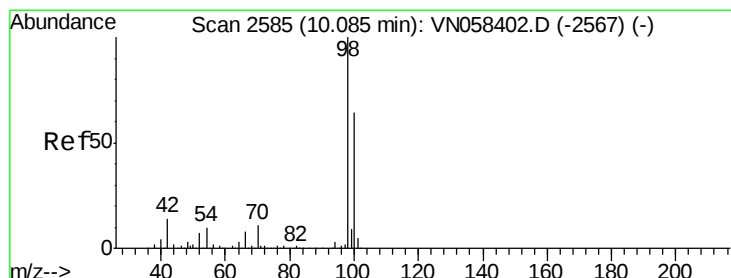
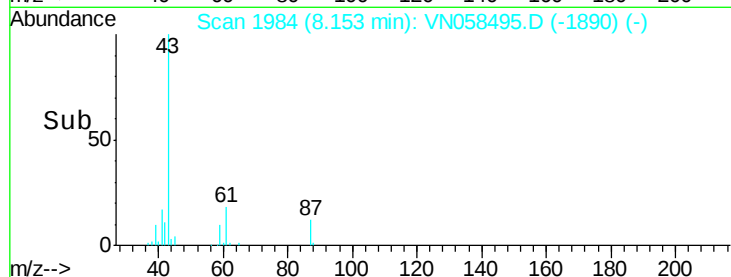
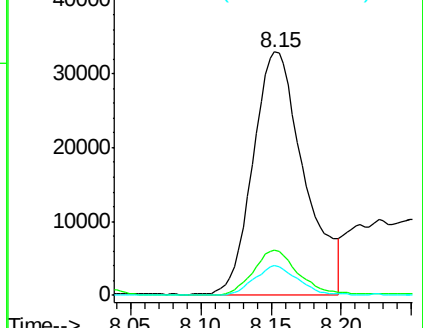
87 10.4 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058402.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058402.D (-1962) (-)



#50

Toluene-d8

Concen: 52.304 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058495.D

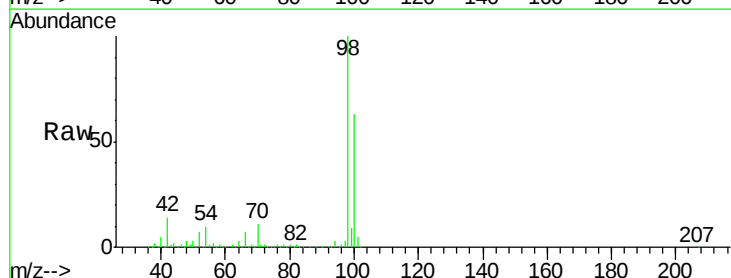
Acq: 2 Oct 2019 23:18

Tgt Ion: 98 Resp: 783658

Ion Ratio Lower Upper

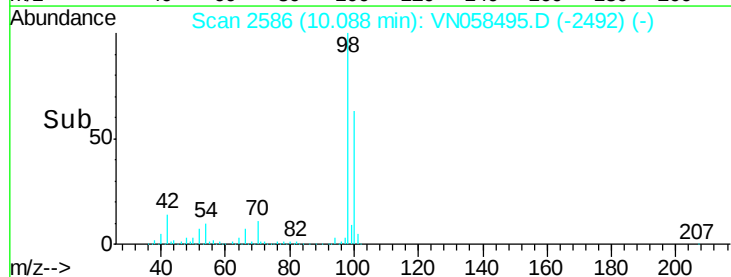
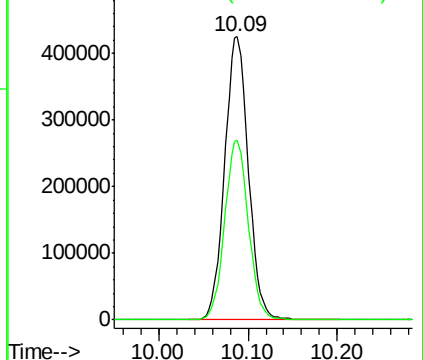
98 100

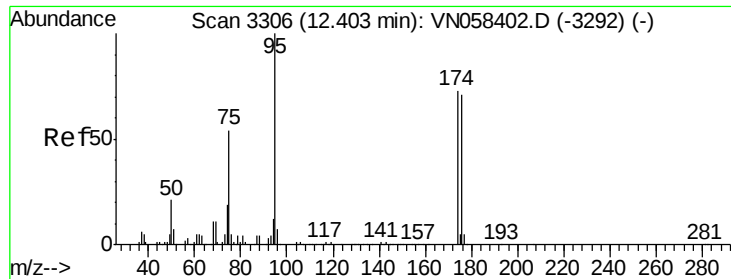
100 63.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)





#62

4-Bromofluorobenzene

Concen: 46.090 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

Instrument :

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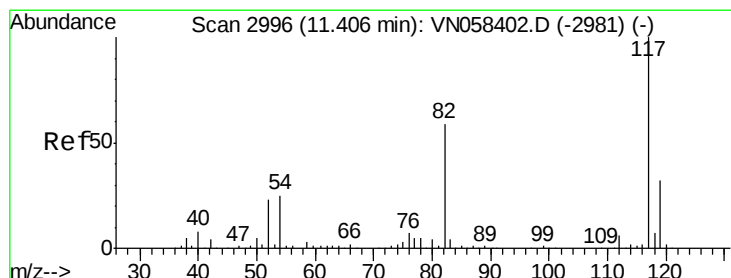
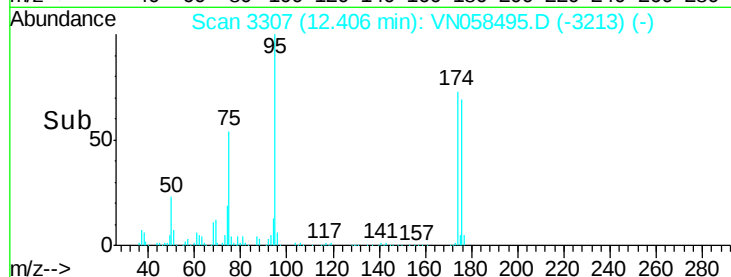
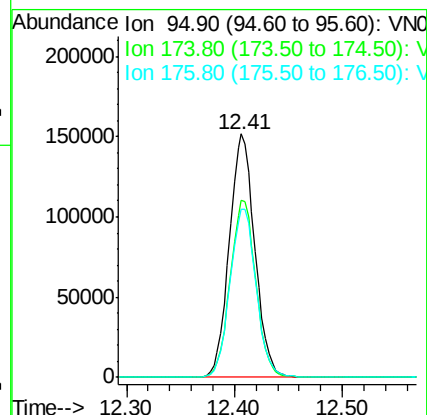
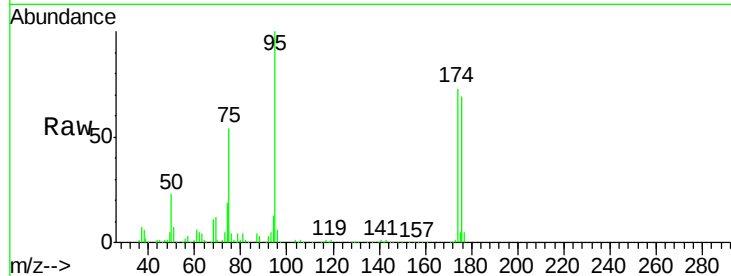
Tot Ion: 95 Resp: 249689

Ion Ratio Lower Upper

95 100

174 73.3 0.0 150.6

176 70.9 0.0 146.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

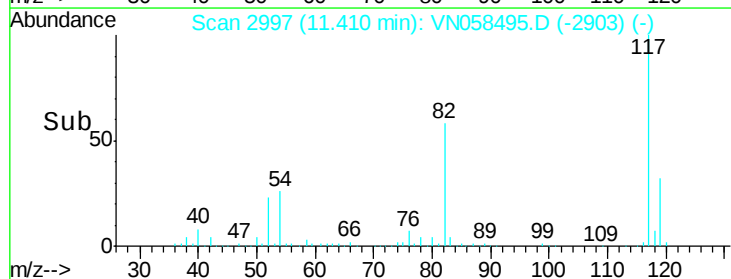
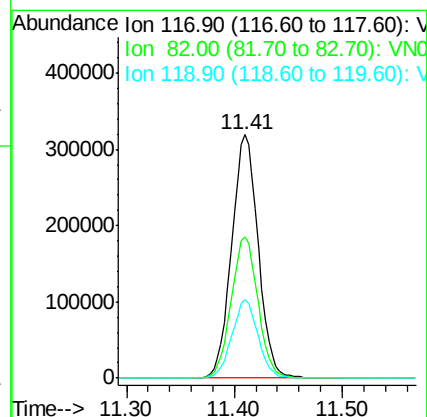
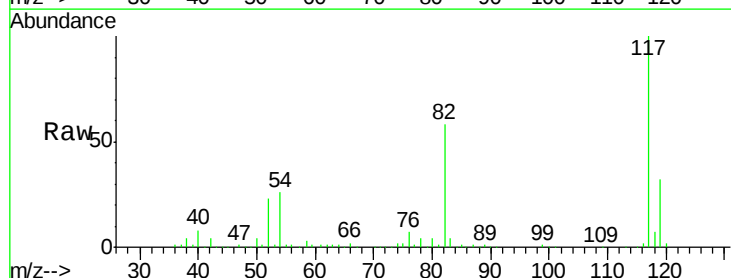
Tgt Ion: 117 Resp: 547336

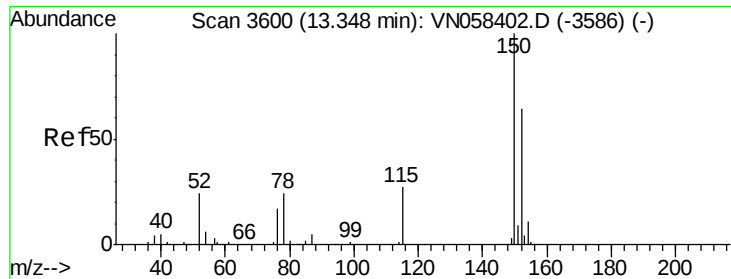
Ion Ratio Lower Upper

117 100

82 58.1 47.4 71.0

119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058495.D

Acq: 2 Oct 2019 23:18

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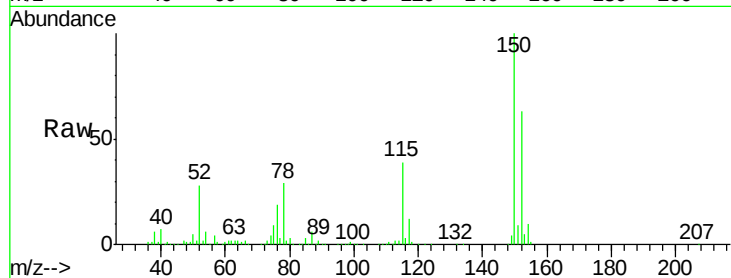
Tot Ion:152 Resp: 207668

Ion Ratio Lower Upper

152 100

115 61.6 30.0 90.0

150 157.7 0.0 348.2



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

