

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091519\
 Data File : VN058096.D
 Acq On : 15 Sep 2019 16:50
 Operator : JC/SP
 Sample : K4719-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 03:42:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	480286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	253273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	355974	55.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.12%	
35) Dibromofluoromethane	7.58	113	243546	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
50) Toluene-d8	10.08	98	966796	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	324624	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	

Target Compounds

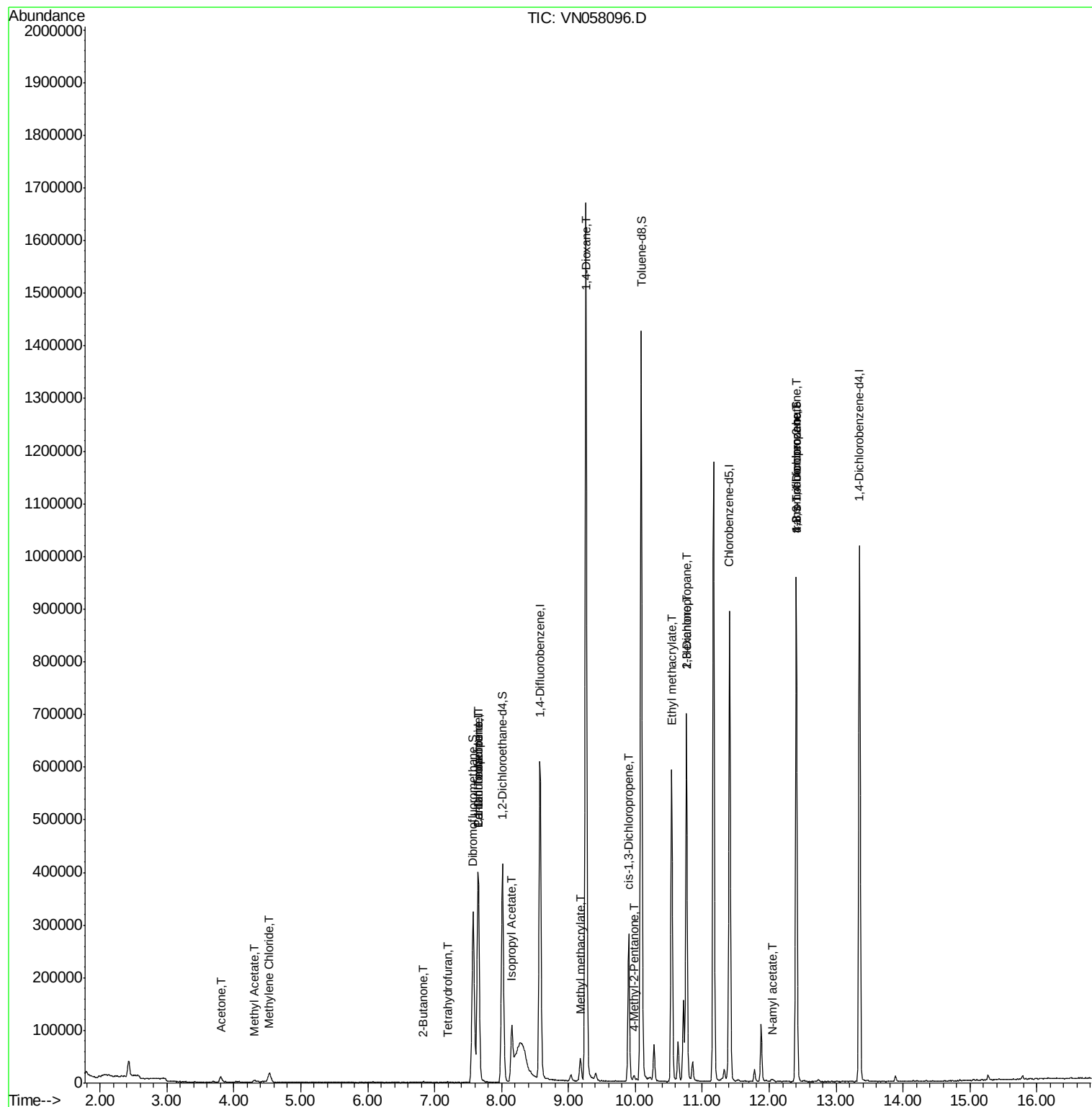
				Qvalue	
5) Bromomethane	2.53	94	32	Below Cal	# 2
16) Acetone	3.81	43	16355	7.786	ug/l # 89
18) Methyl Acetate	4.30	43	7909	1.412	ug/l # 65
20) Methylene Chloride	4.53	84	12069	1.832	ug/l # 98
25) 2-Butanone	6.83	43	809	0.266	ug/l # 98
29) Tetrahydrofuran	7.18	42	379	0.202	ug/l # 34
31) Cyclohexane	7.65	56	8030	Below Cal	# 16
36) 1,1-Dichloropropene	7.65	75	27490	4.523	ug/l # 46
38) Carbon Tetrachloride	7.65	117	32393	5.837	ug/l # 16
43) Isopropyl Acetate	8.15	43	149458	14.153	ug/l # 81
48) Methyl methacrylate	9.18	41	7249	1.353	ug/l # 13
49) 1,4-Dioxane	9.27	88	105	1.159	ug/l # 1
51) 4-Methyl-2-Pentanone	9.98	43	7794	1.247	ug/l # 100
54) cis-1,3-Dichloropropene	9.90	75	46768	6.261	ug/l # 65
56) Ethyl methacrylate	10.54	69	2338	0.318	ug/l # 1
57) 1,3-Dichloropropane	10.76	76	6822	0.811	ug/l # 43
59) 2-Hexanone	10.76	43	105830	22.594	ug/l # 54
74) N-amyl acetate	12.04	43	3737	0.437	ug/l # 47
76) 1,2,3-Trichloropropane	12.40	75	177839	31.039	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.40	75	177839	109.228	ug/l # 6
95) Naphthalene	15.13	128	426	Below Cal	# 69

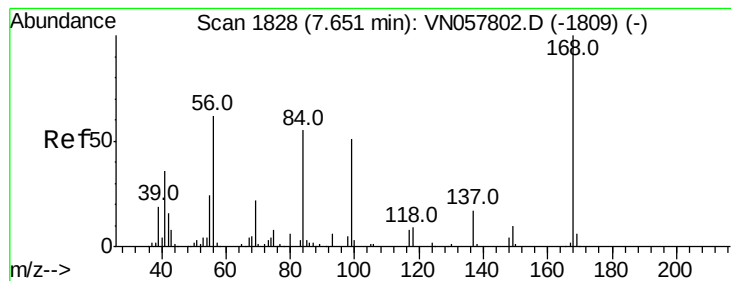
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091519\
Data File : VN058096.D
Acq On : 15 Sep 2019 16:50
Operator : JC/SP
Sample : K4719-19
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 16 03:42:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

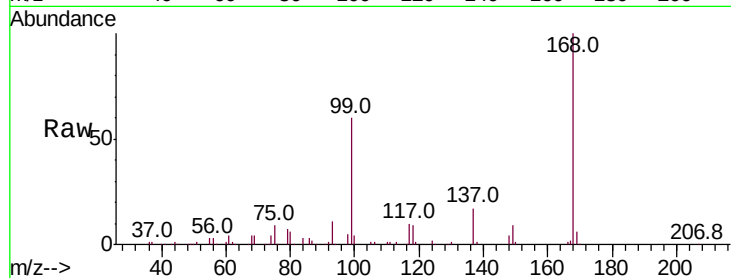
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 316345

Ion Ratio Lower Upper

168 100

99 59.7 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

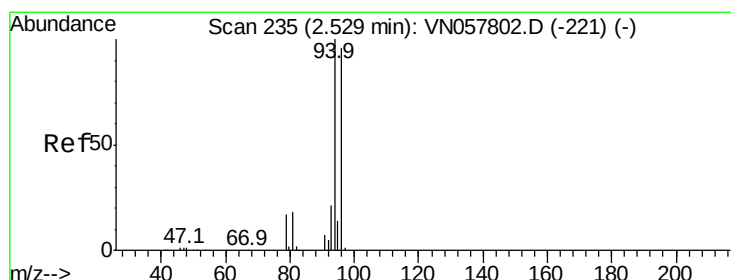
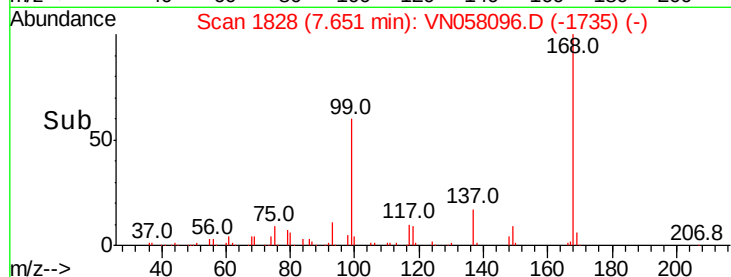
7.65

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN058096.D

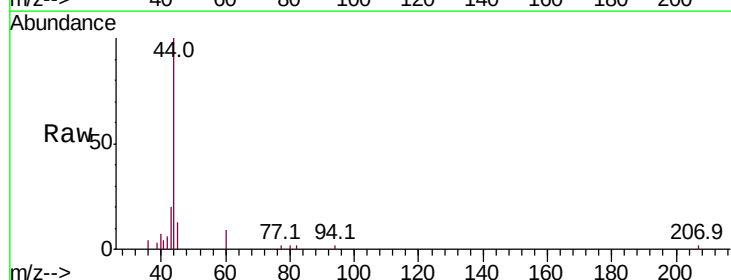
Acq: 15 Sep 2019 16:50

Tgt Ion: 94 Resp: 32

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

150

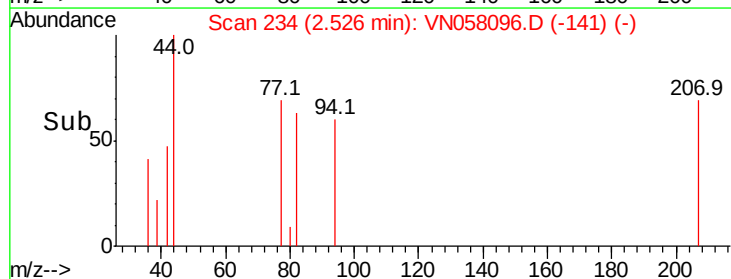
2.53

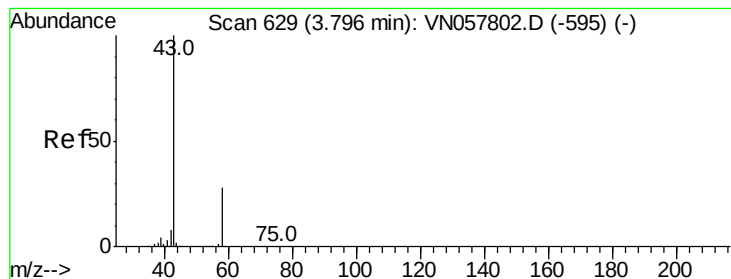
100

50

0

Time-->





#16

Acetone

Concen: 7.786 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

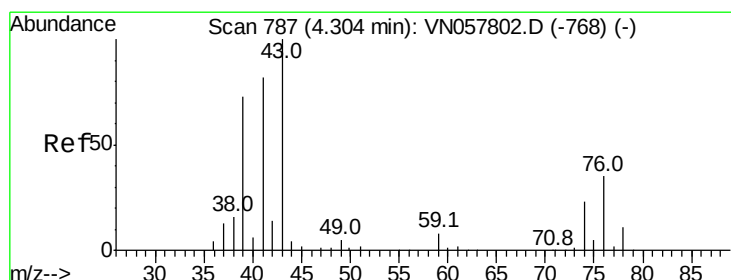
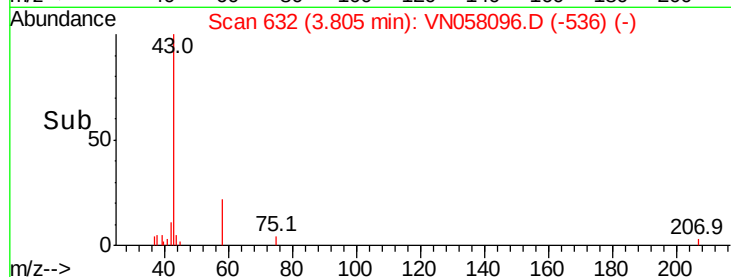
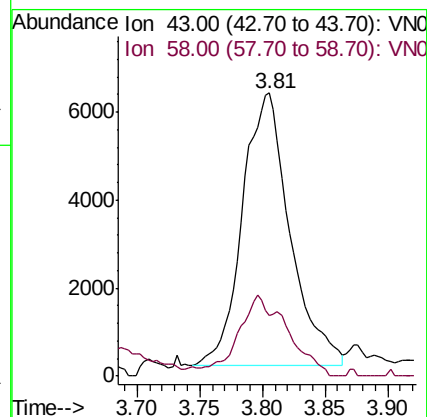
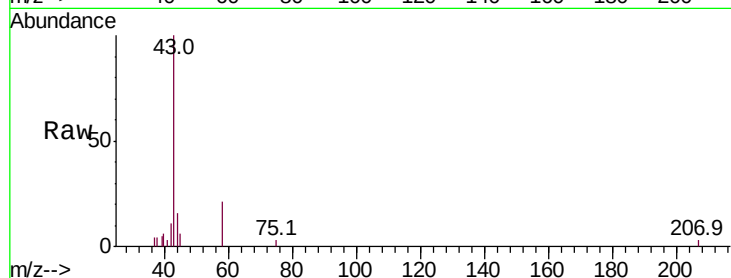
ClientSampleId :

Tot Ion: 43 Resp: 16355

Ion Ratio Lower Upper

43 100

58 22.1 22.2 33.2#



#18

Methyl Acetate

Concen: 1.412 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058096.D

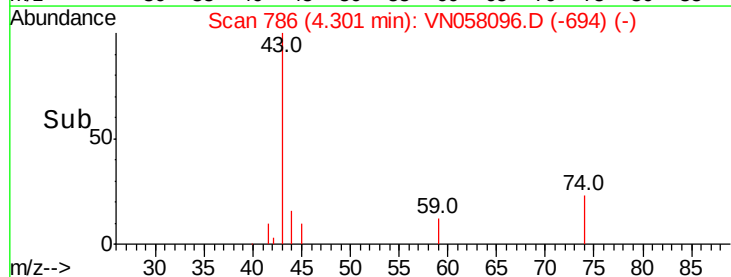
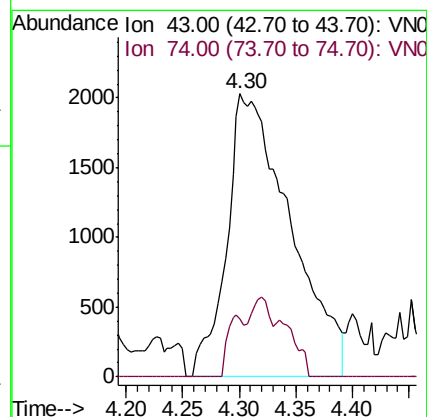
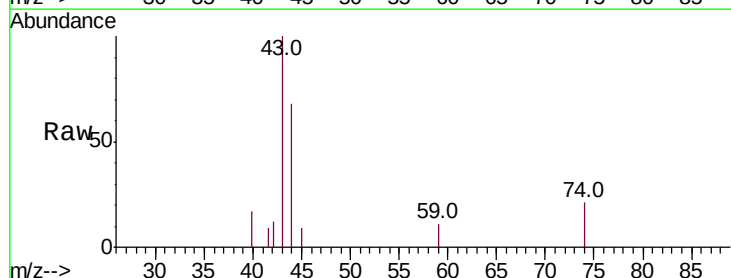
Acq: 15 Sep 2019 16:50

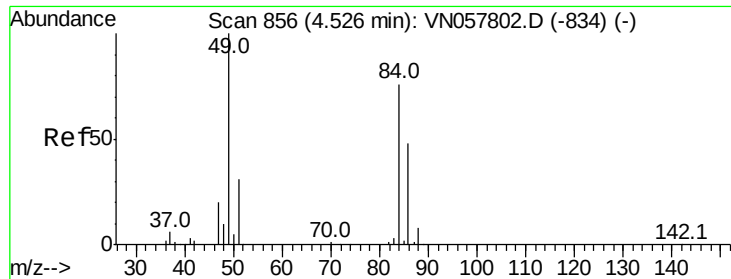
Tgt Ion: 43 Resp: 7909

Ion Ratio Lower Upper

43 100

74 5.6 17.9 26.9#

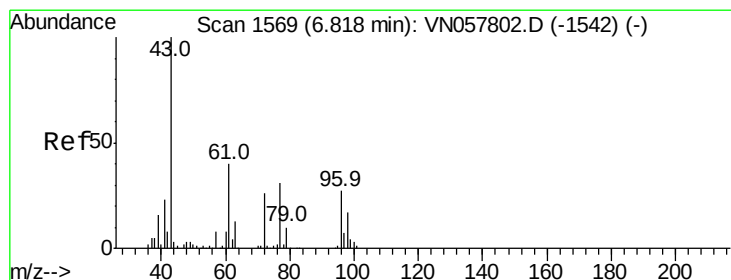
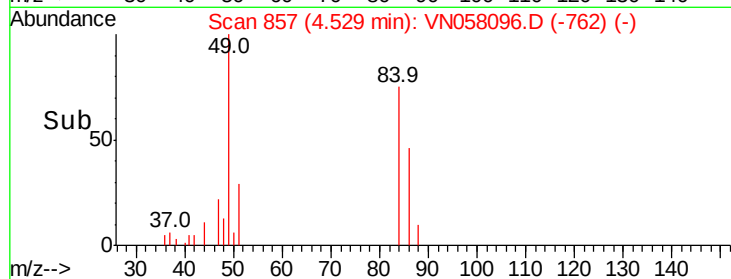
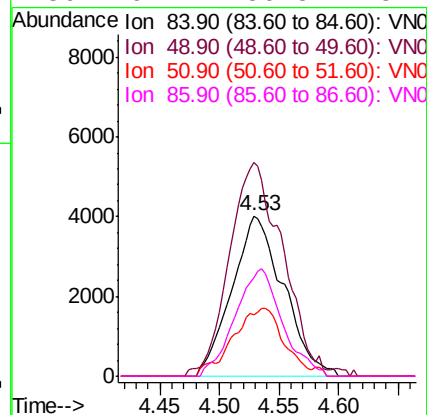
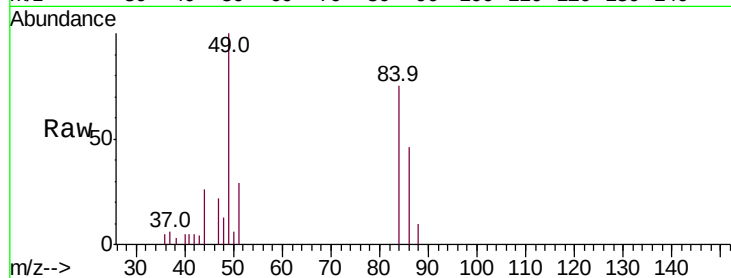




#20
Methvlene Chloride
Concen: 1.832 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058096.D
Acq: 15 Sep 2019 16:50

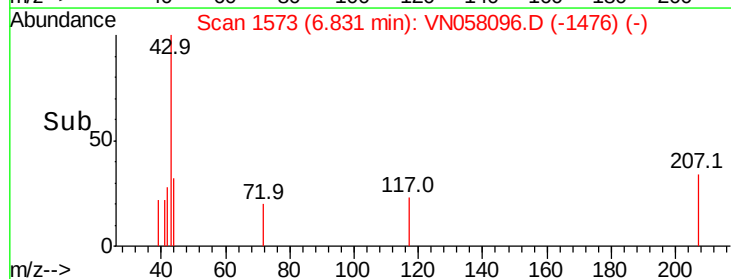
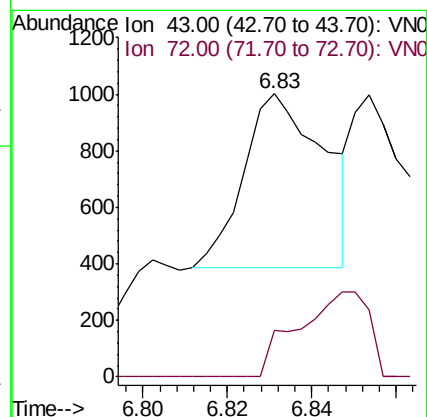
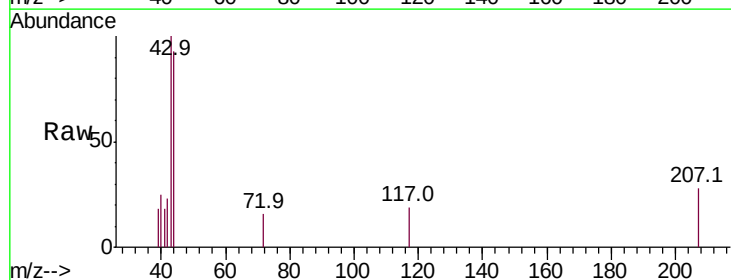
Instrument :
MSVOA_N
ClientSampleId :

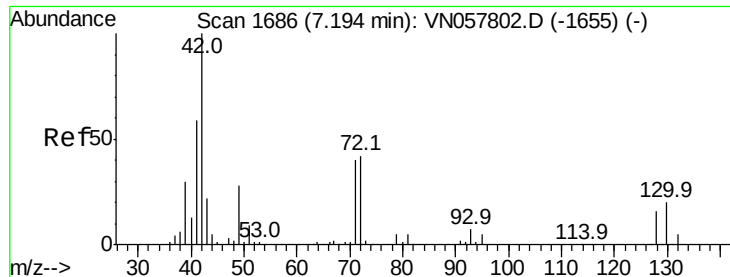
Tot Ion:	84	Resp:	12069
Ion	Ratio	Lower	Upper
84	100		
49	129.3	104.8	157.2
51	38.4	33.0	49.4
86	61.1	50.5	75.7



#25
2-Butanone
Concen: 0.266 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN058096.D
Acq: 15 Sep 2019 16:50

Tgt Ion:	43	Resp:	809
Ion	Ratio	Lower	Upper
43	100		
72	26.8	20.6	30.8





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

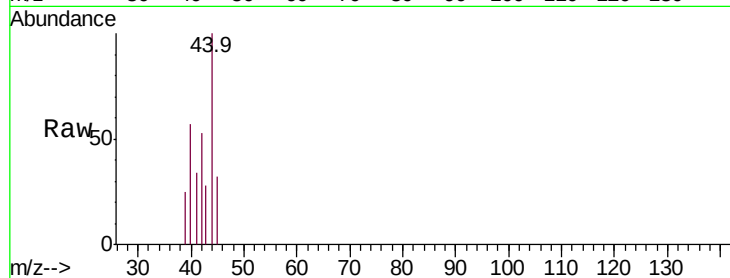
Tot Ion: 42 Resp: 379

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

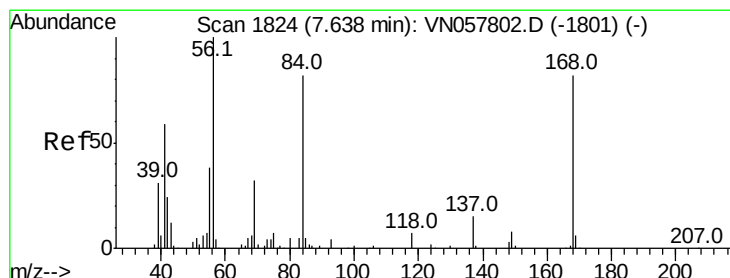
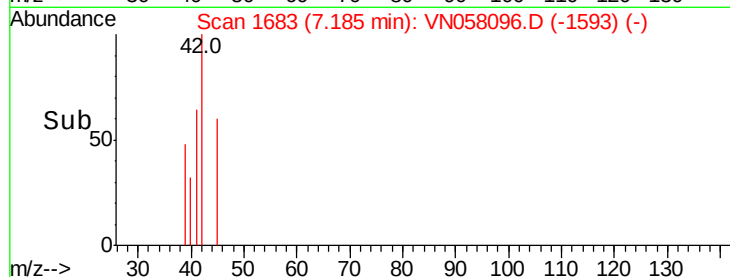
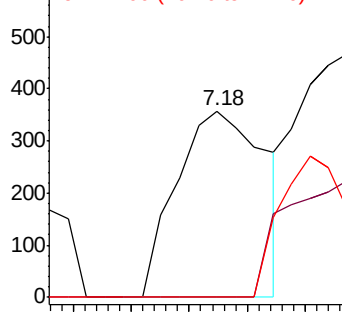
71 0.0 31.9 47.9#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

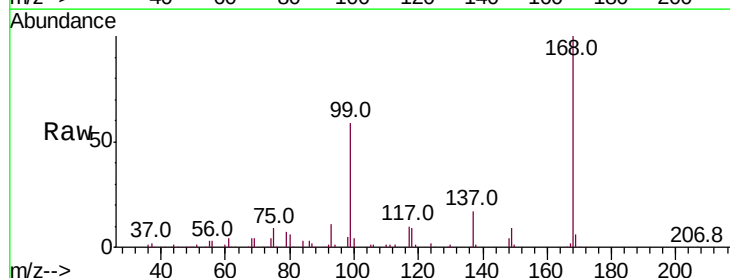
Tgt Ion: 56 Resp: 8030

Ion Ratio Lower Upper

56 100

69 146.6 25.9 38.9#

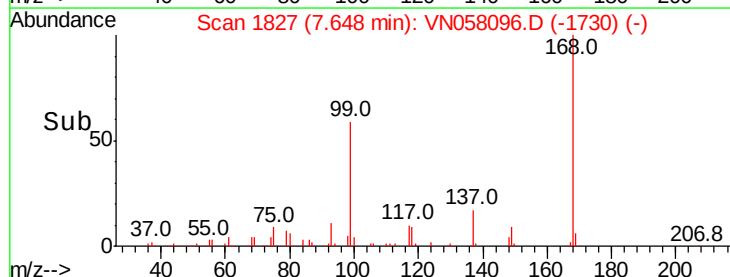
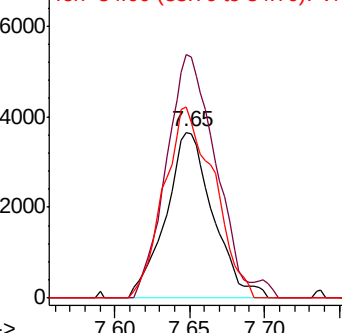
84 115.1 65.6 98.4#

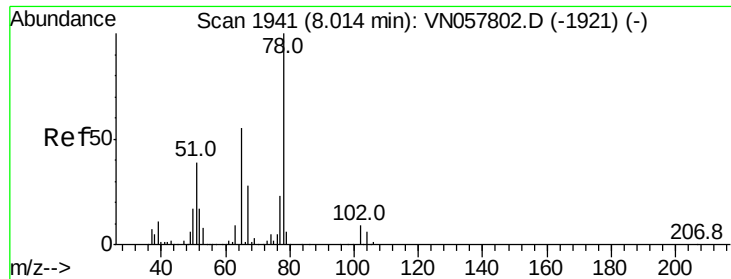


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

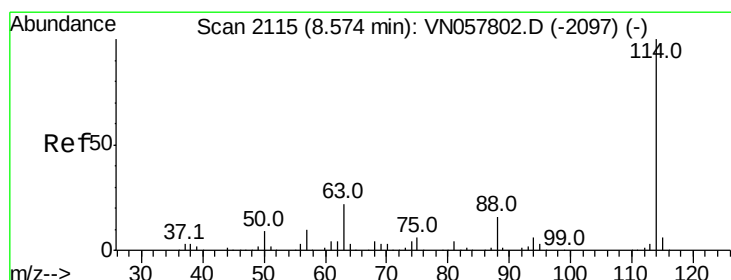
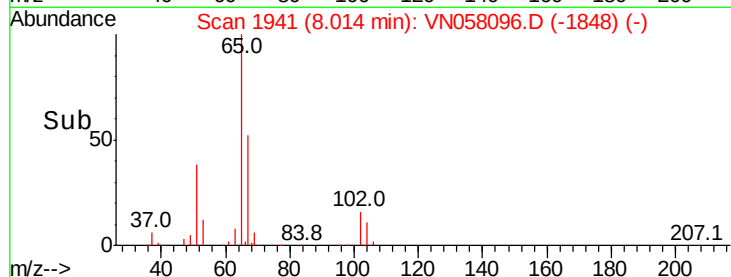
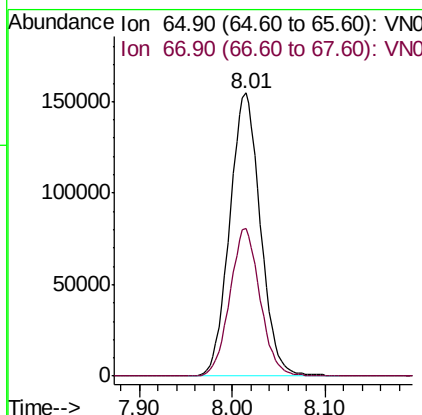
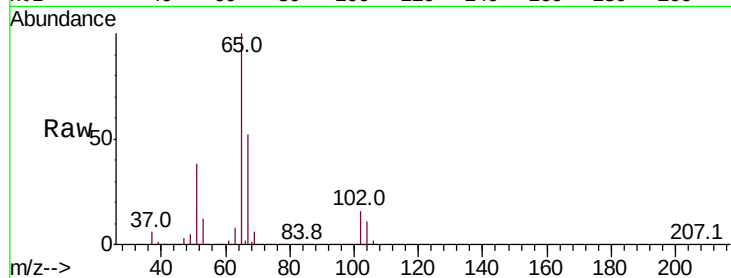




#33
 1,2-Dichloroethane-d4
 Concen: 55.557 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

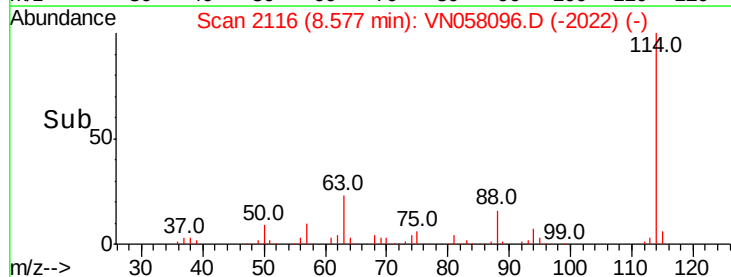
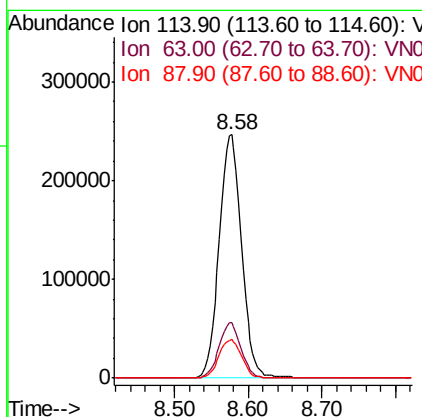
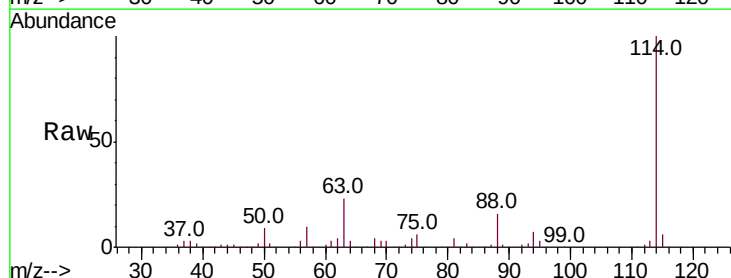
Instrument :
 MSVOA_N
 ClientSampleId :

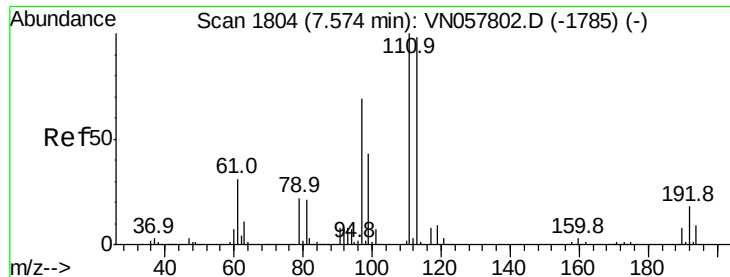
Tot Ion: 65 Resp: 355974
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

Tgt Ion: 114 Resp: 524080
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.0
 88 15.7 0.0 31.4

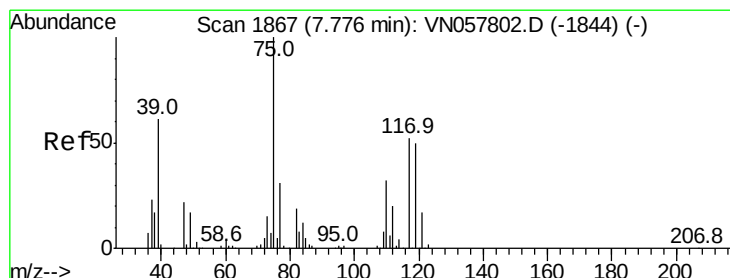
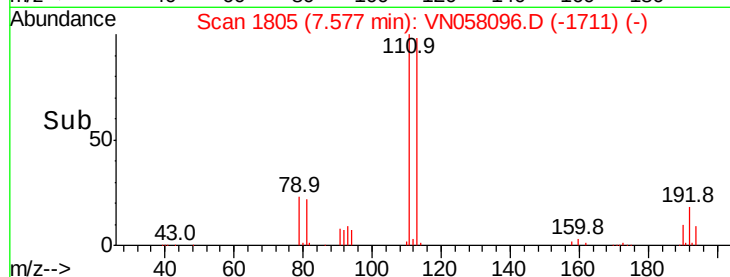
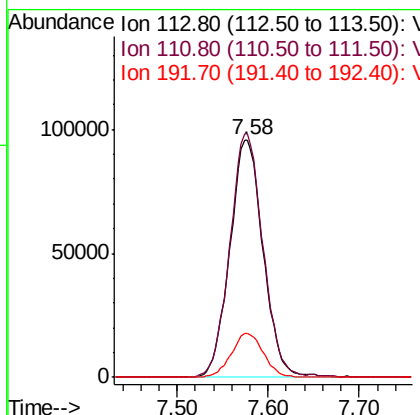
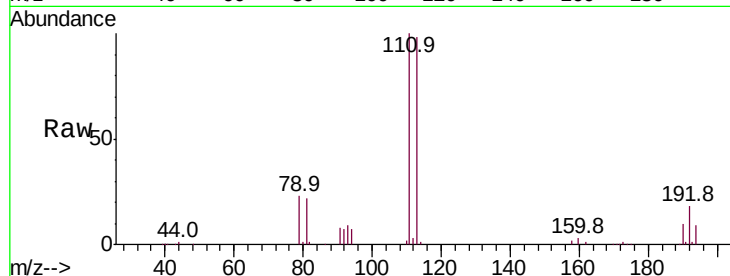




#35
 Dibromofluoromethane
 Concen: 50.350 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

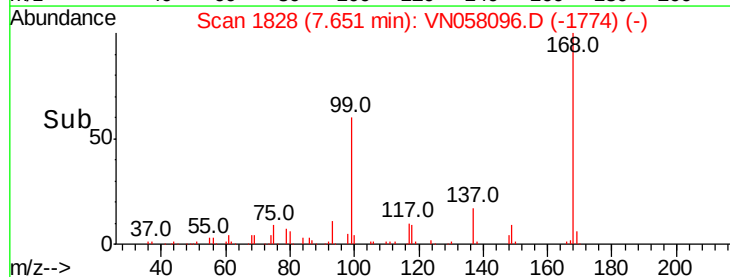
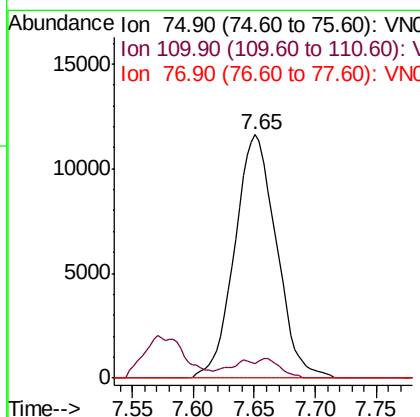
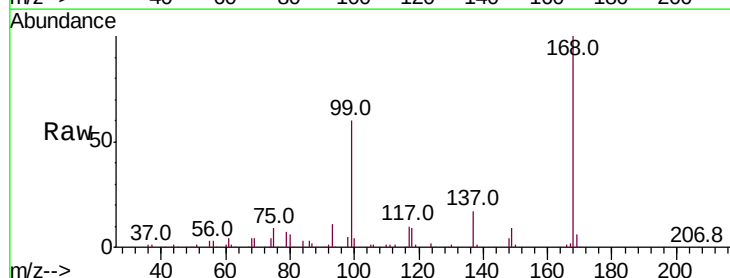
Instrument :
 MSVOA_N
 ClientSampled :

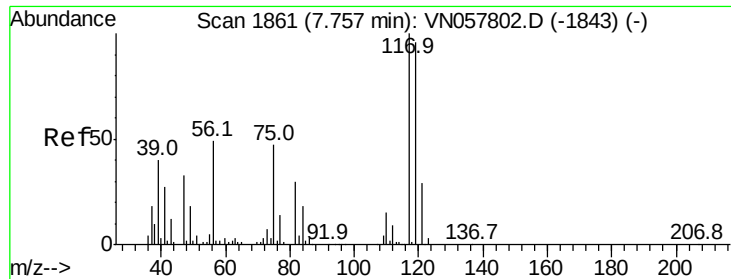
Tot Ion:113 Resp: 243546
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.3 121.9
 192 18.0 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.523 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

Tgt Ion: 75 Resp: 27490
 Ion Ratio Lower Upper
 75 100
 110 4.1 16.3 48.9#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.837 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

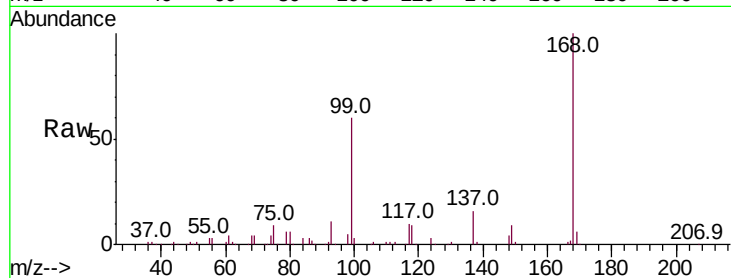
Tot Ion:117 Resp: 32393

Ion Ratio Lower Upper

117 100

119 4.7 76.9 115.3#

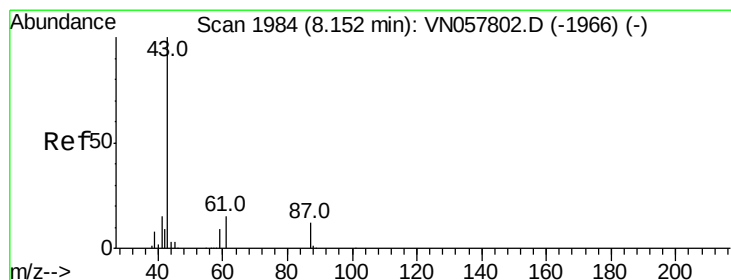
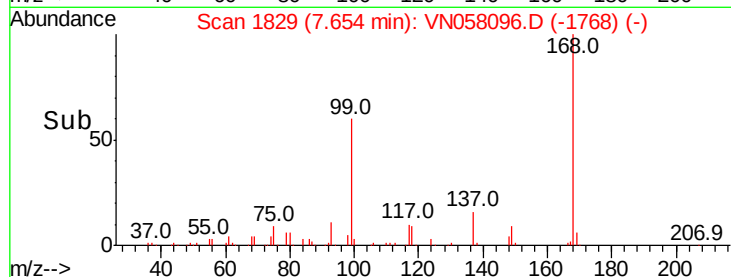
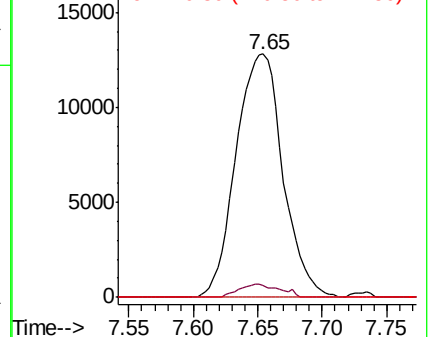
121 0.0 23.4 35.2#



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



#43

Isopropyl Acetate

Concen: 14.153 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

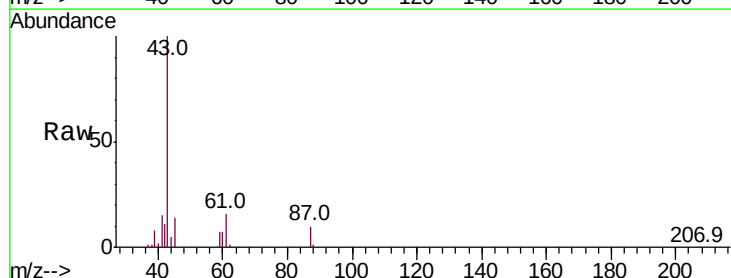
Tgt Ion: 43 Resp: 149458

Ion Ratio Lower Upper

43 100

61 13.7 20.1 30.1#

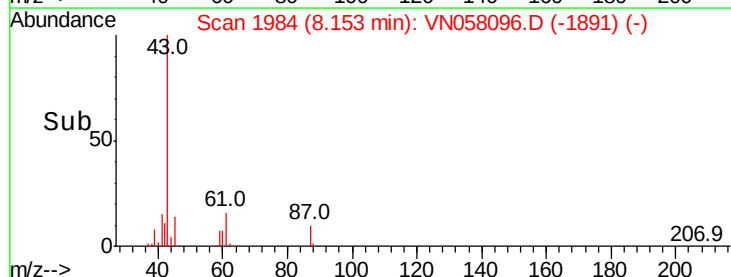
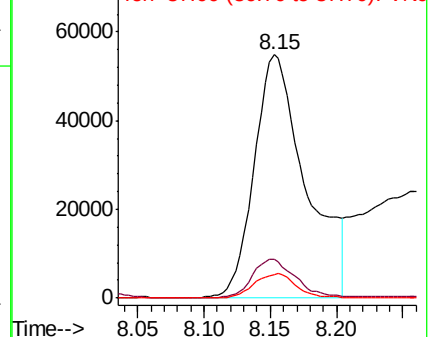
87 8.0 9.5 14.3#

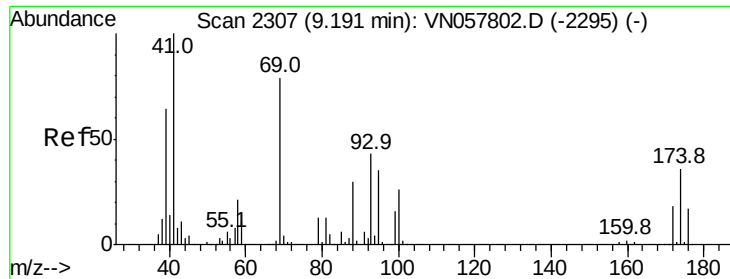


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

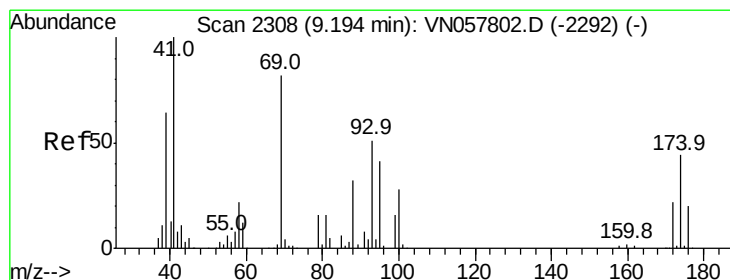
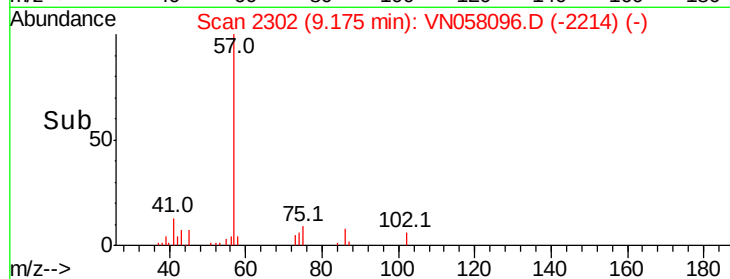
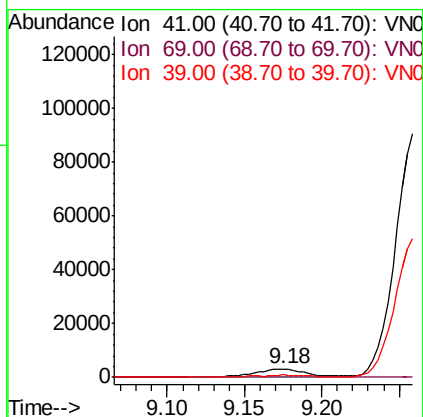
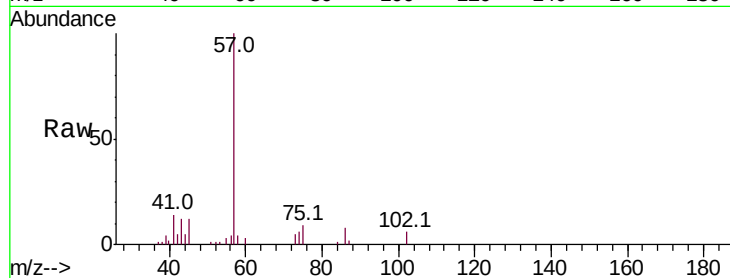




#48
Methyl methacrylate
Concen: 1.353 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN058096.D
Acq: 15 Sep 2019 16:50

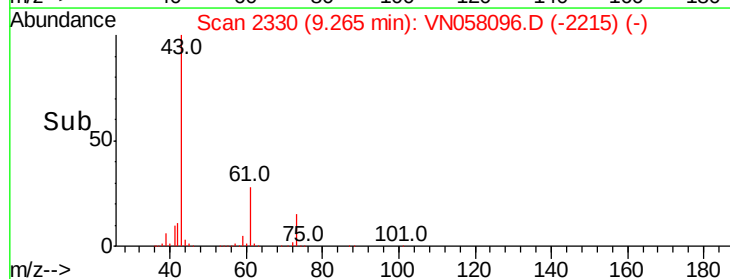
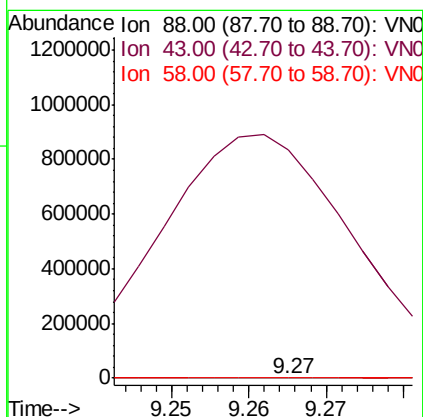
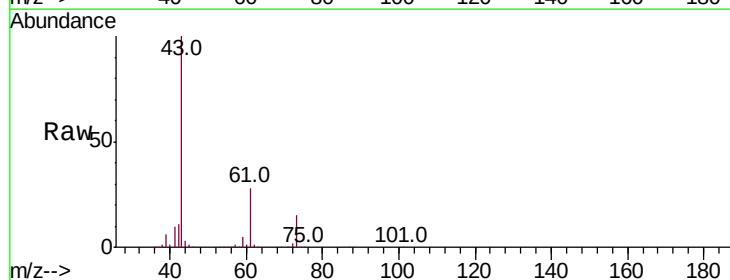
Instrument :
MSVOA_N
ClientSampleId :

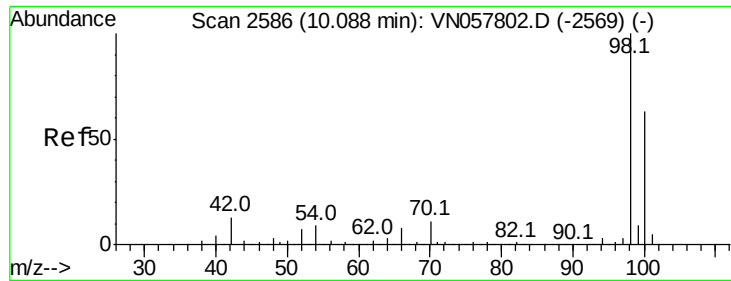
Tot Ion: 41 Resp: 7249
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 0.0 52.7 79.1#



#49
1,4-Dioxane
Concen: 1.159 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN058096.D
Acq: 15 Sep 2019 16:50

Tgt Ion: 88 Resp: 105
Ion Ratio Lower Upper
88 100
43 1567738.1 28.5 42.7#
58 6877.1 55.8 83.6#





#50

Toluene-d8

Concen: 51.480 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

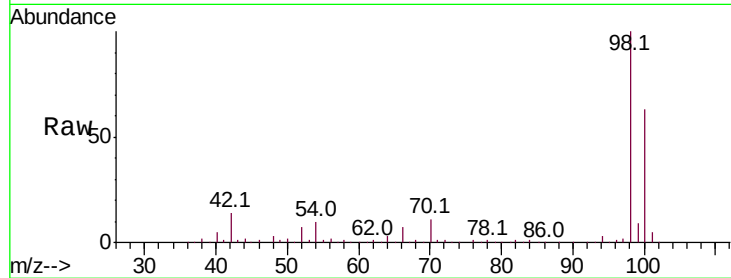
ClientSampled :

Tot Ion: 98 Resp: 966796

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN057802.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN057802.D (-2569) (-)

10.08

600000

500000

400000

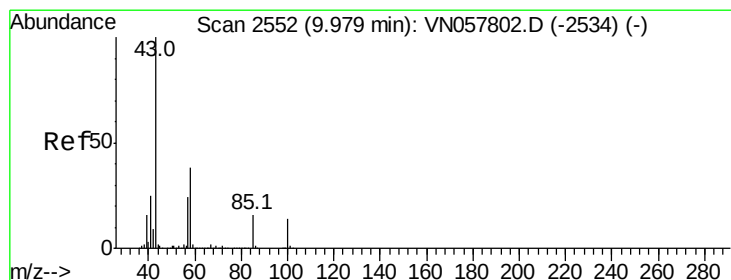
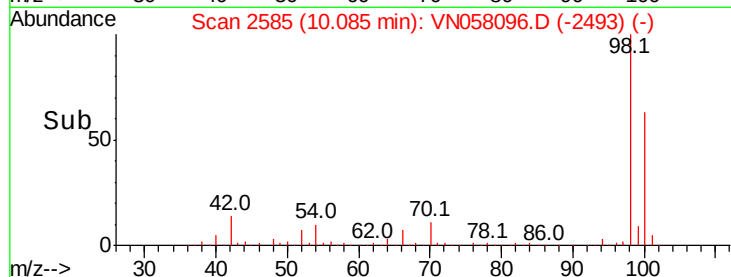
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.247 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058096.D

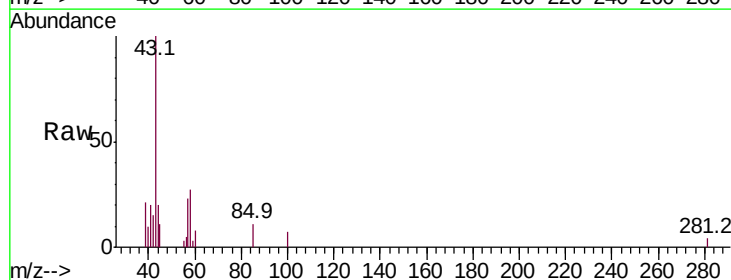
Acq: 15 Sep 2019 16:50

Tgt Ion: 43 Resp: 7794

Ion Ratio Lower Upper

43 100

58 37.1 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

9.98

6000

5000

4000

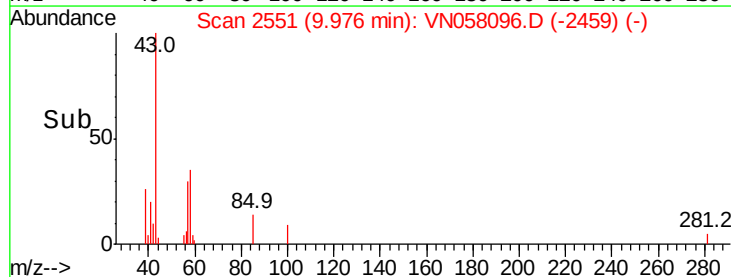
3000

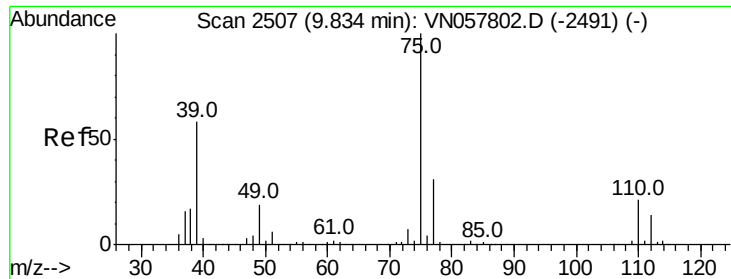
2000

1000

0

Time-->



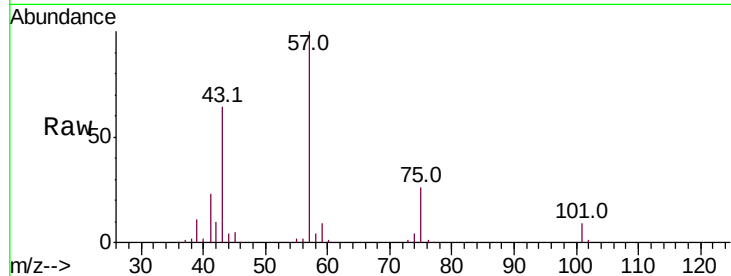


#54

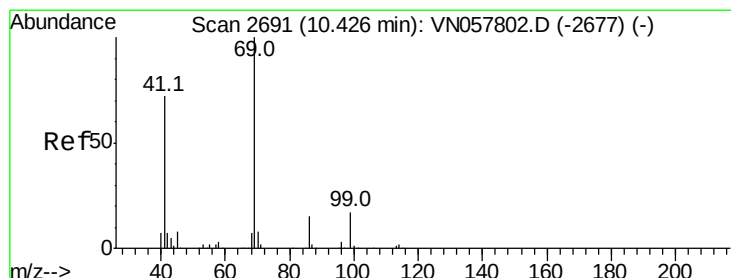
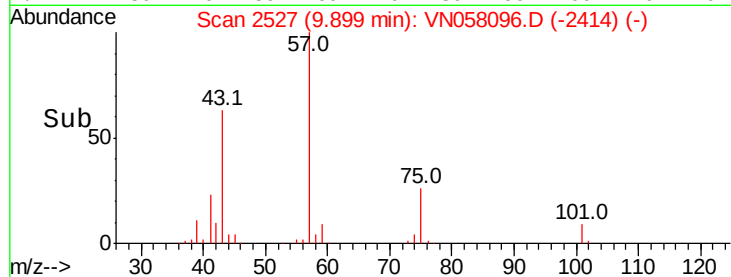
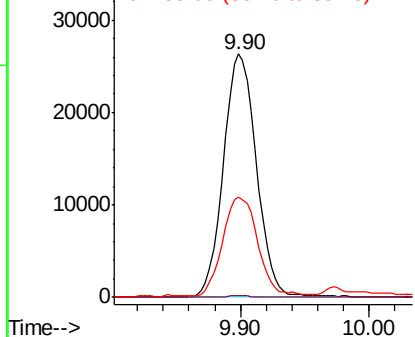
cis-1,3-Dichloropropene
 Concen: 6.261 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 46768
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 40.2 46.2 69.4#



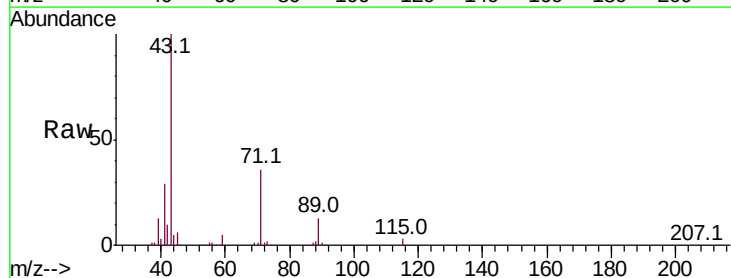
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



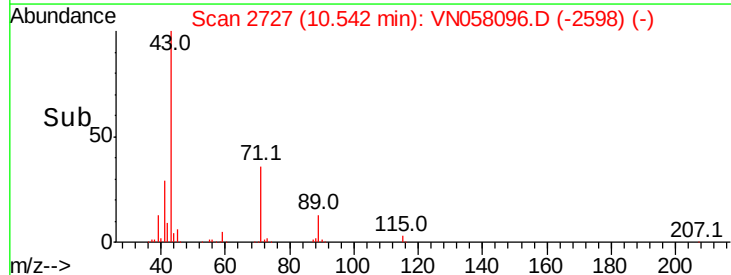
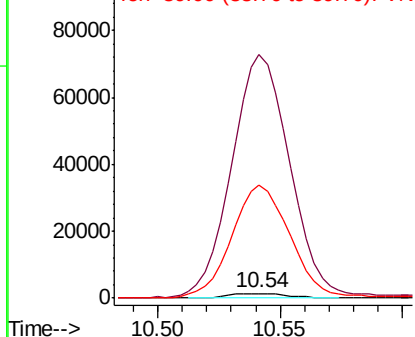
#56

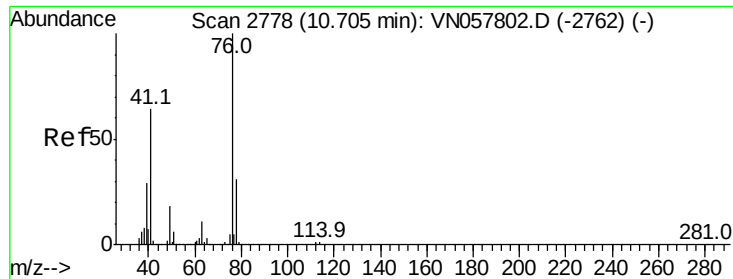
Ethyl methacrylate
 Concen: 0.318 ug/l
 RT: 10.54 min Scan# 2727
 Delta R.T. 0.12 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

Tgt Ion: 69 Resp: 2338
 Ion Ratio Lower Upper
 69 100
 41 5240.6 56.7 85.1#
 39 2417.5 36.3 54.5#



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

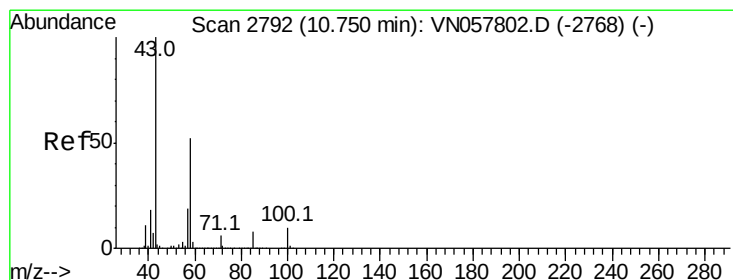
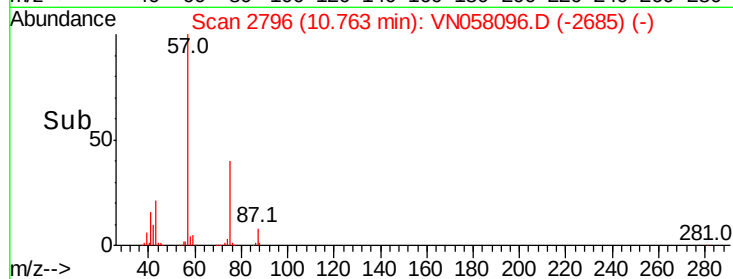
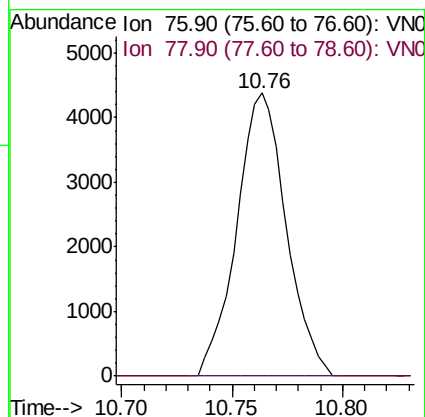
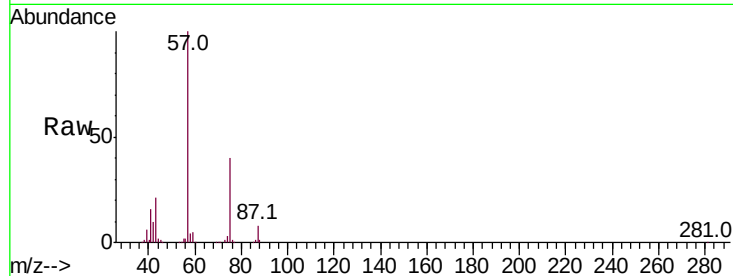




#57
 1,3-Dichloropropane
 Concen: 0.811 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

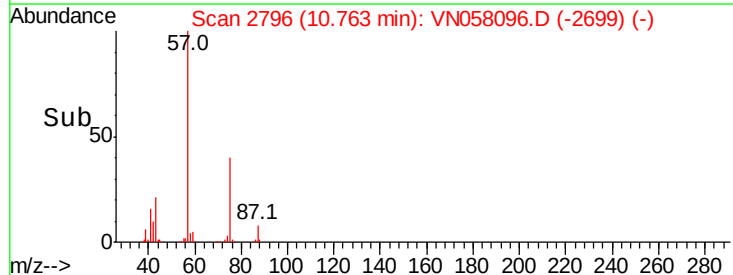
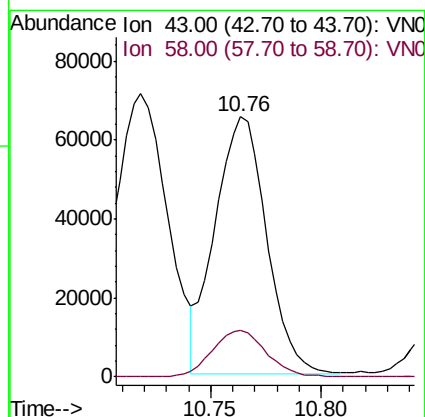
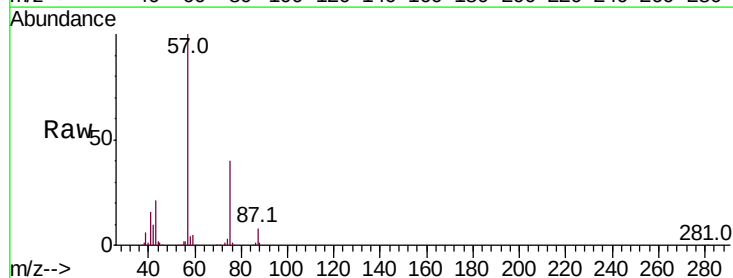
Instrument :
 MSVOA_N
 ClientSampleId :

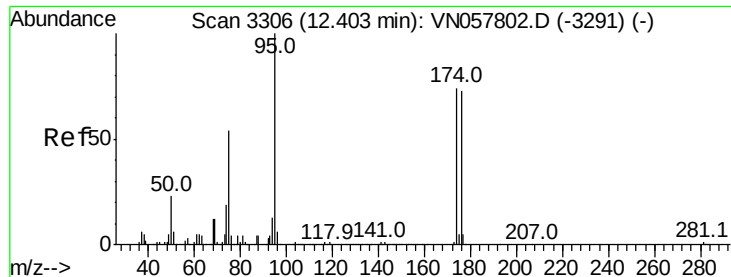
Tot Ion: 76 Resp: 6822
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.4 38.2#



#59
 2-Hexanone
 Concen: 22.594 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN058096.D
 Acq: 15 Sep 2019 16:50

Tgt Ion: 43 Resp: 105830
 Ion Ratio Lower Upper
 43 100
 58 19.2 25.6 76.8#





#62

4-Bromofluorobenzene

Concen: 45.359 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

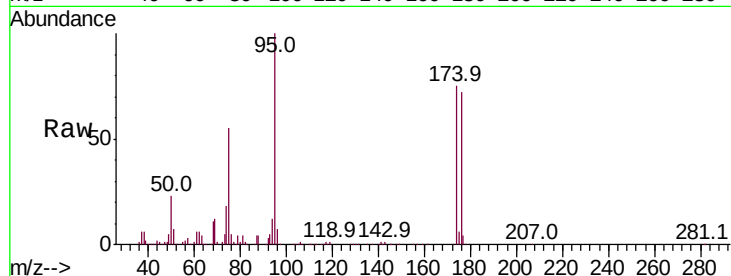
Tot Ion: 95 Resp: 324624

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.2

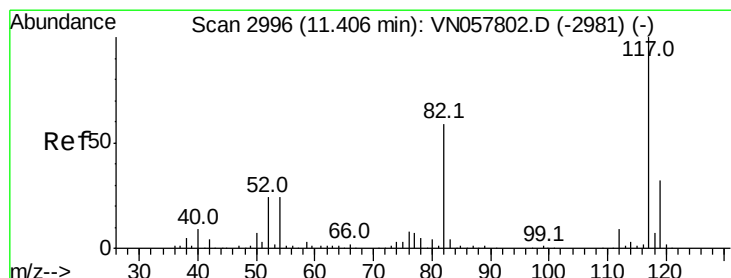
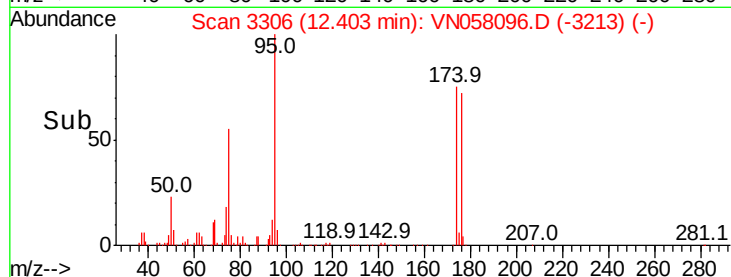
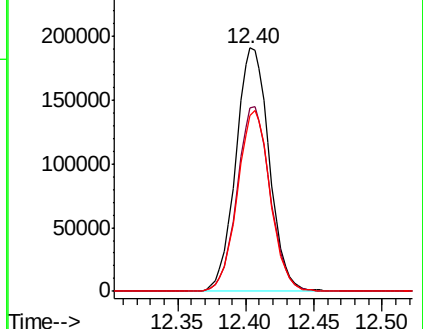
176 73.0 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN057802.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN057802.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN057802.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

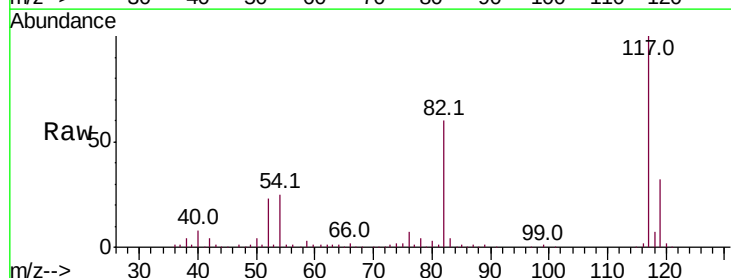
Tgt Ion: 117 Resp: 480286

Ion Ratio Lower Upper

117 100

82 59.8 47.2 70.8

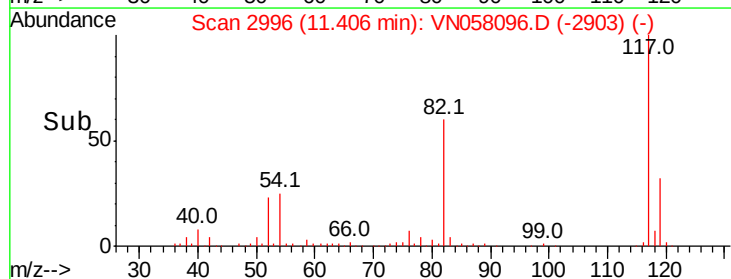
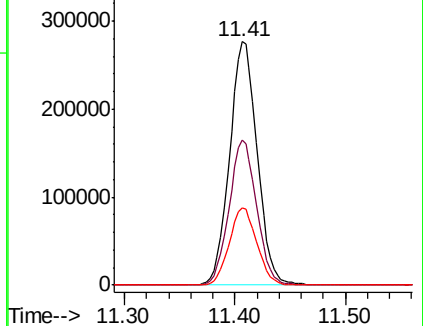
119 31.9 25.3 37.9

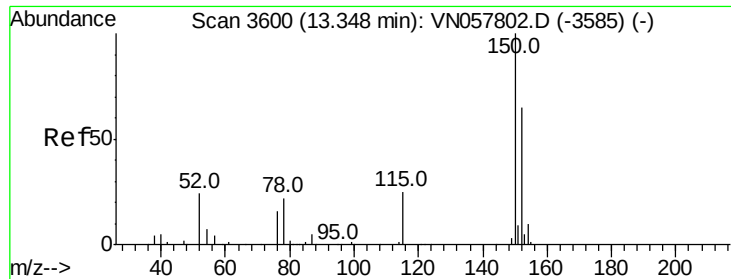


Abundance Ion 116.90 (116.60 to 117.60): VN057802.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN057802.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN057802.D (-2981) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

ClientSampled :

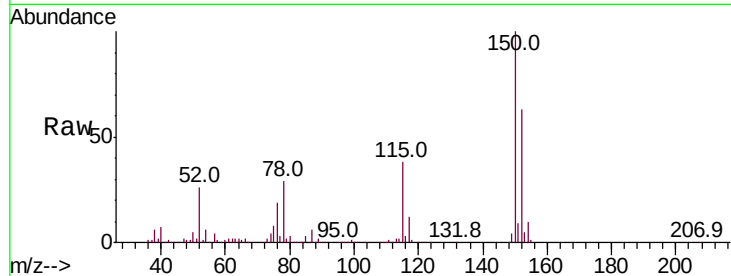
Tot Ion:152 Resp: 253273

Ion Ratio Lower Upper

152 100

115 61.3 30.3 91.0

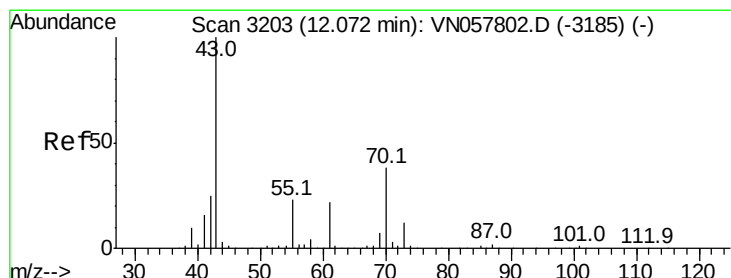
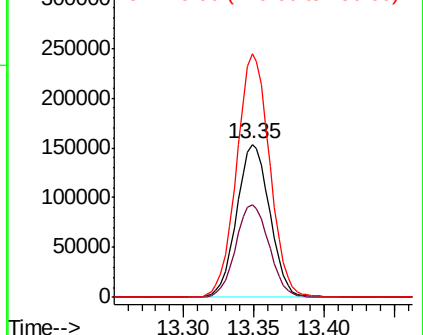
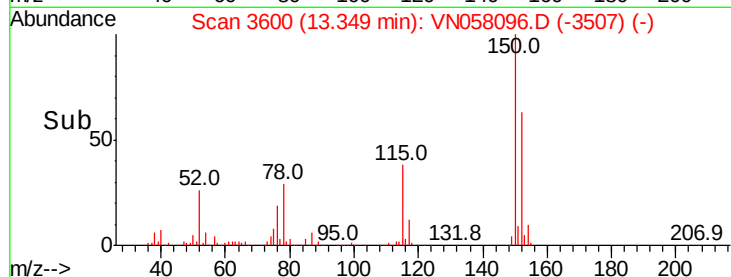
150 159.2 0.0 352.4



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



#74

N-ethyl acetate

Concen: 0.437 ug/l

RT: 12.04 min Scan# 3193

Delta R.T. -0.03 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Tgt Ion: 43 Resp: 3737

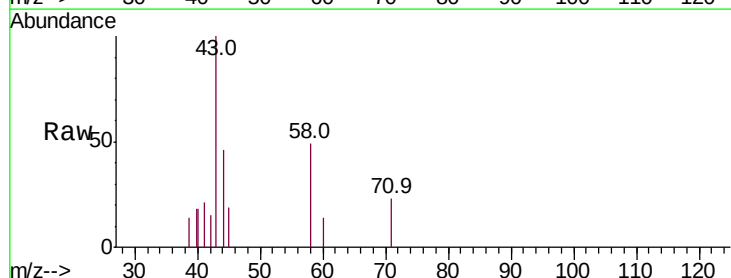
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 1.8 18.6 27.8#

61 0.0 17.4 26.2#

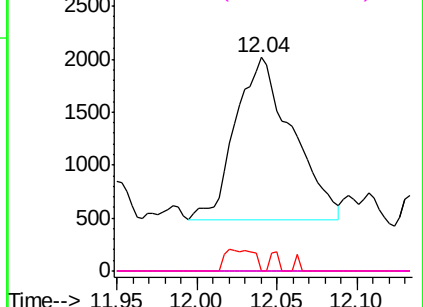
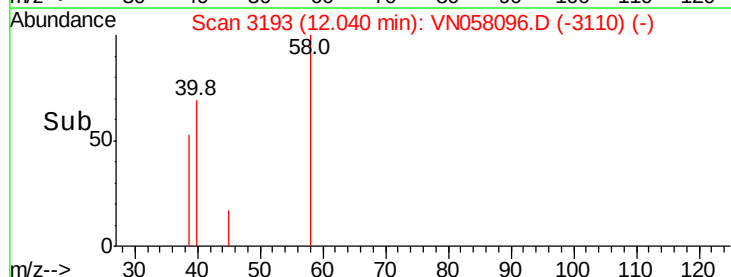


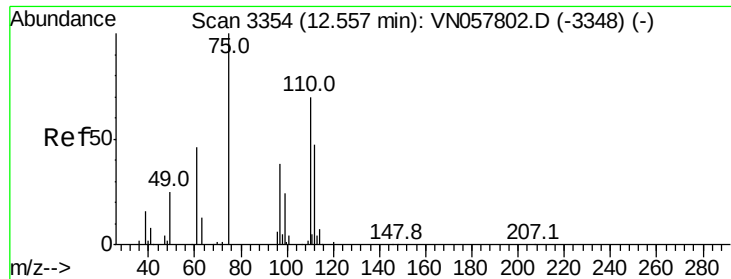
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 31.039 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

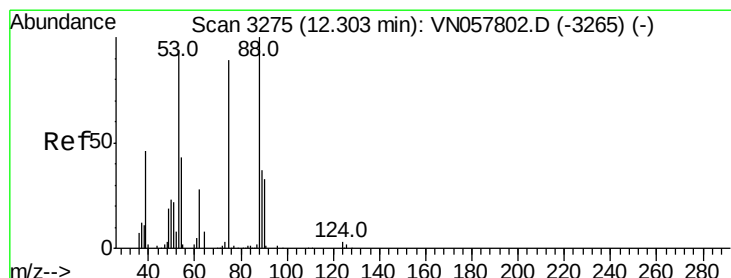
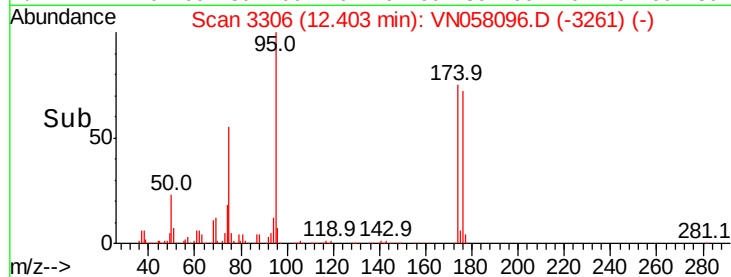
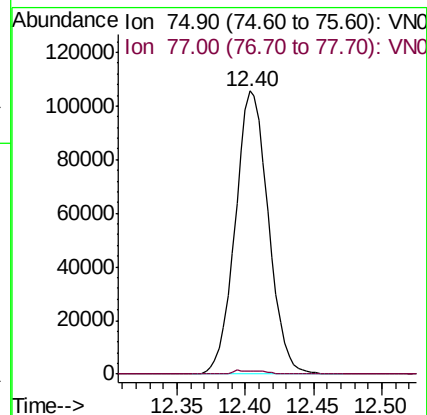
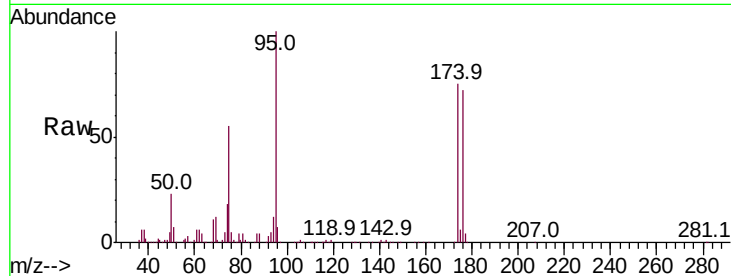
ClientSampleId :

Tot Ion: 75 Resp: 177839

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.228 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

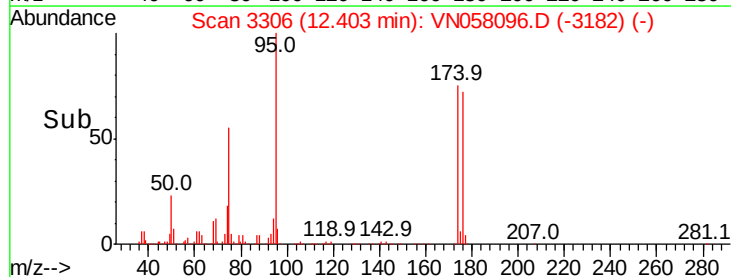
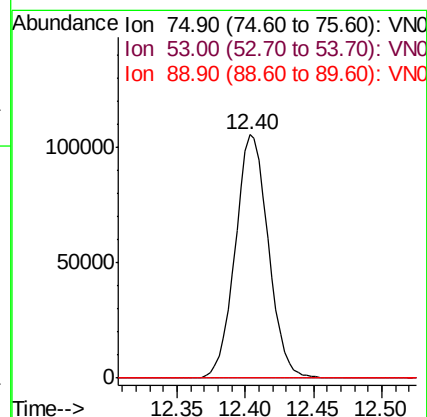
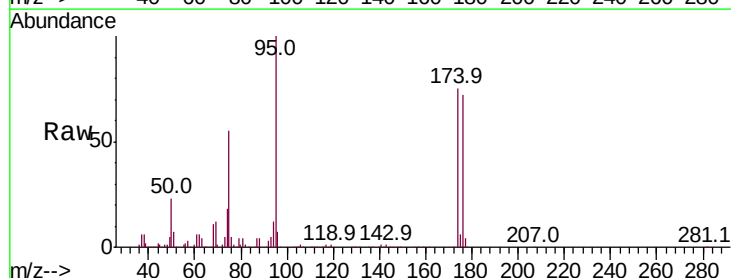
Tgt Ion: 75 Resp: 177839

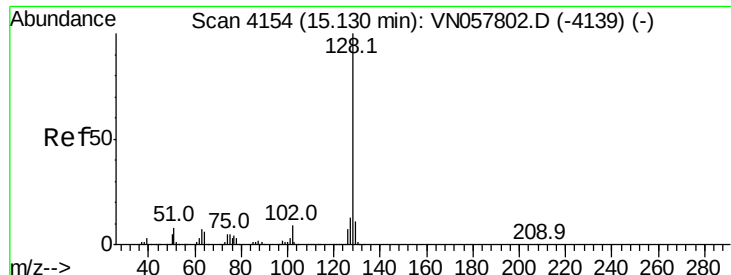
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

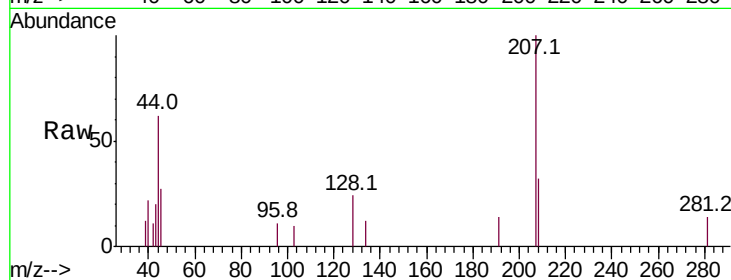
Lab File: VN058096.D

Acq: 15 Sep 2019 16:50

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:	128	Resp:	426
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	12.8#

