

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058579.D
 Acq On : 7 Oct 2019 20:05
 Operator : JC/SP
 Sample : K5146-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 14:07:41 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	485905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	763869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	656720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	261912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	339904	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
35) Dibromofluoromethane	7.57	113	240851	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.09	98	970881	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.41	95	313847	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	1535	0.262	ug/l	93
8) Diethyl Ether	3.40	74	1632	0.546	ug/l	87
11) Tert butyl alcohol	4.74	59	389	0.493	ug/l #	71
14) Allyl chloride	4.52	41	75128	9.006	ug/l #	21
16) Acetone	3.79	43	19264	7.958	ug/l	97
17) Carbon Disulfide	4.02	76	3462	0.287	ug/l #	87
18) Methyl Acetate	4.31	43	4441	0.729	ug/l #	65
20) Methylene Chloride	4.53	84	2115708	378.751	ug/l	99
25) 2-Butanone	6.83	43	5580	1.679	ug/l #	83
29) Tetrahydrofuran	7.20	42	465	0.220	ug/l #	55
30) Chloroform	7.35	83	3456	0.338	ug/l	89
31) Cyclohexane	7.65	56	11191	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	39624	5.425	ug/l #	51
37) Ethyl Acetate	6.83	43	5580	0.901	ug/l #	71
38) Carbon Tetrachloride	7.65	117	47819	7.253	ug/l #	16
43) Isopropyl Acetate	8.15	43	82395	7.076	ug/l	99
45) 1,2-Dichloropropane	9.26	63	1304	0.232	ug/l #	43
47) Bromodichloromethane	9.39	83	1473	0.218	ug/l #	88
48) Methyl methacrylate	9.18	41	5321	1.003	ug/l #	13
49) 1,4-Dioxane	9.27	88	61	0.860	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	4939	0.826	ug/l #	73
54) cis-1,3-Dichloropropene	9.90	75	36561	4.479	ug/l #	61
56) Ethyl methacrylate	10.54	69	1482	0.203	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	5530	0.644	ug/l #	45
59) 2-Hexanone	10.76	43	83550	19.182	ug/l #	53
60) Dibromochloromethane	10.90	129	382	Below Cal		69
64) Tetrachloroethene	10.63	164	1172	0.281	ug/l #	79
71) Bromoform	12.40	173	687	0.918	ug/l #	29
74) N-amyl acetate	12.03	43	4758	0.618	ug/l #	49
76) 1,2,3-Trichloropropane	12.41	75	166446	34.793	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4419	0.273	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.41	75	166446	105.672	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.05	105	5254	0.324	ug/l	95
95) Naphthalene	15.14	128	11693	0.885	ug/l	99

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QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

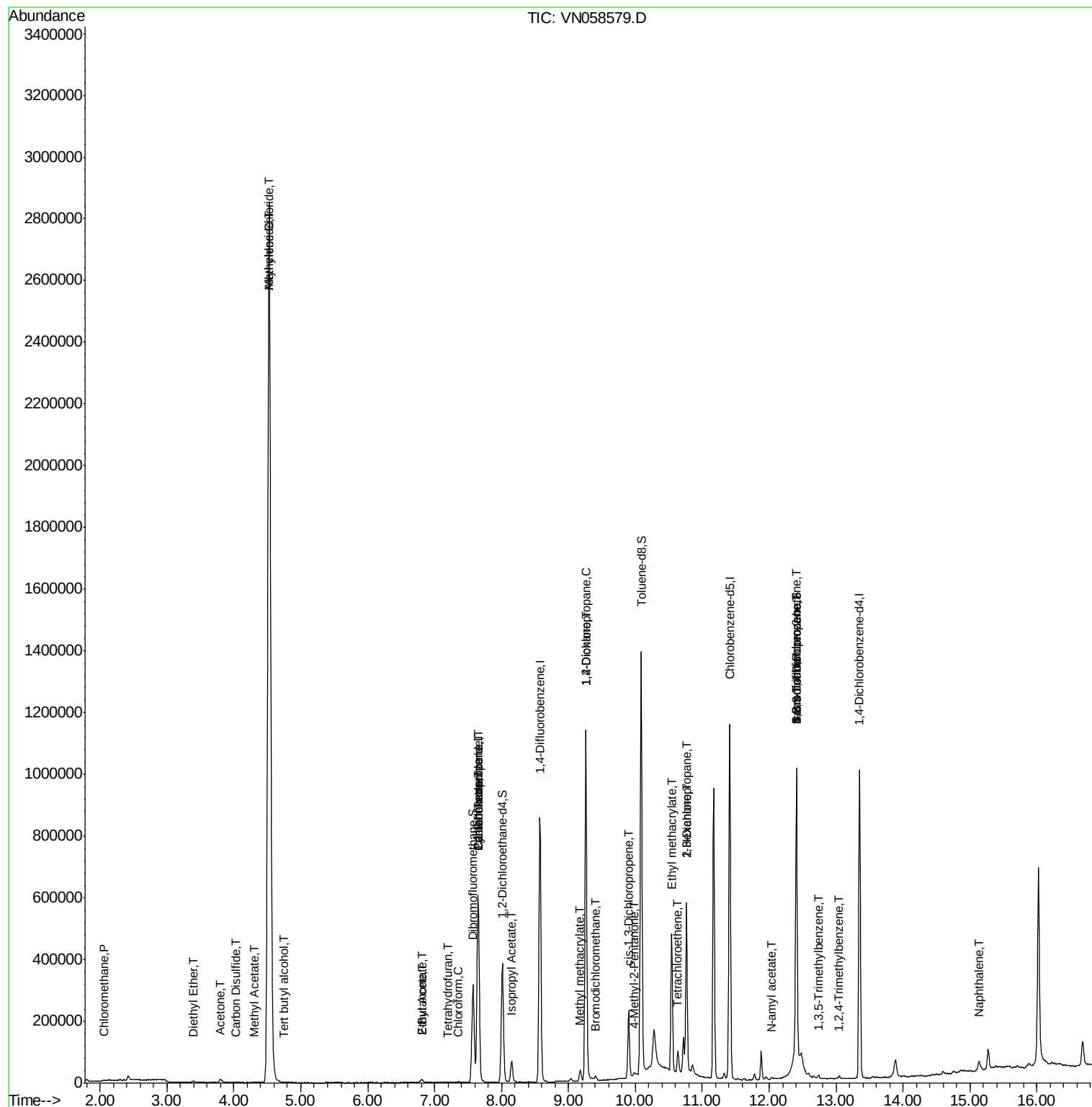
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.27	180	107	Below Cal	#	1

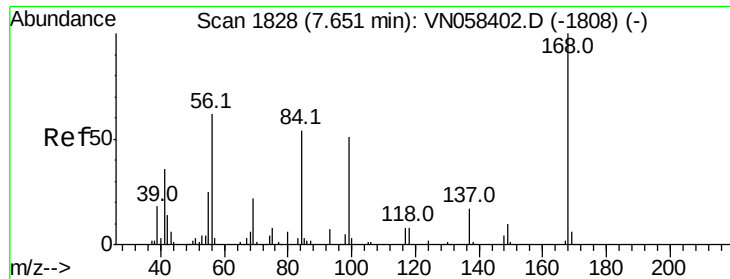
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100719\
Data File : VN058579.D
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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: VN058579.D

Acq: 7 Oct 2019 20:05

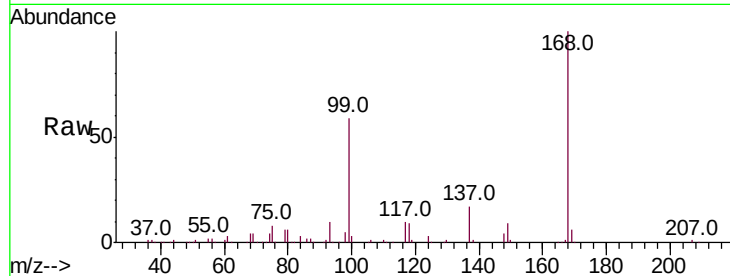
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 485905

Ion Ratio Lower Upper

168 100

99 59.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

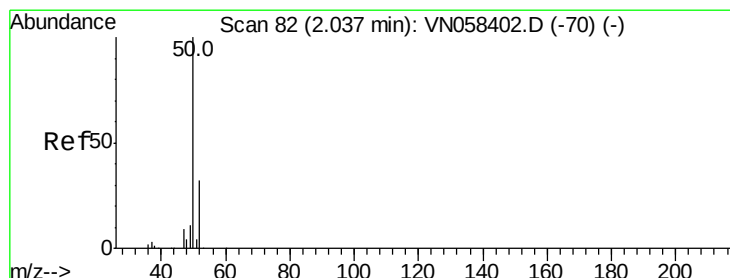
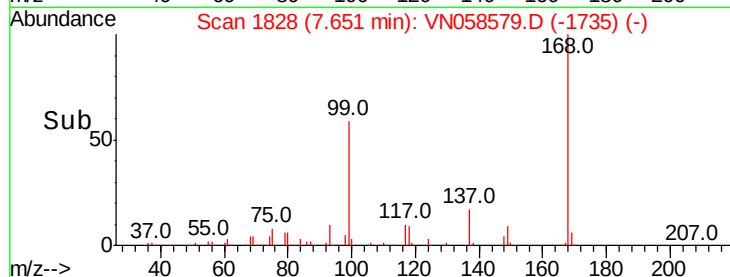
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.262 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058579.D

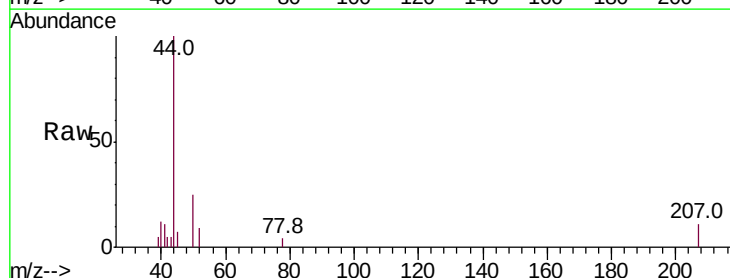
Acq: 7 Oct 2019 20:05

Tgt Ion: 50 Resp: 1535

Ion Ratio Lower Upper

50 100

52 36.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1200

1000

800

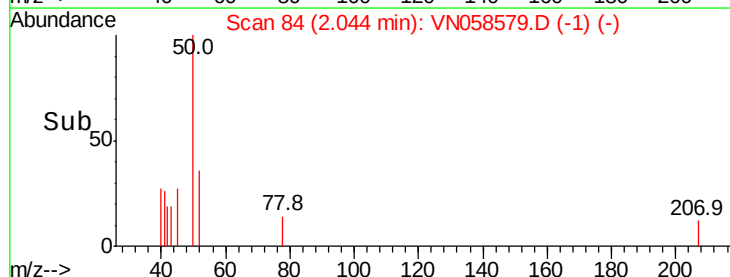
600

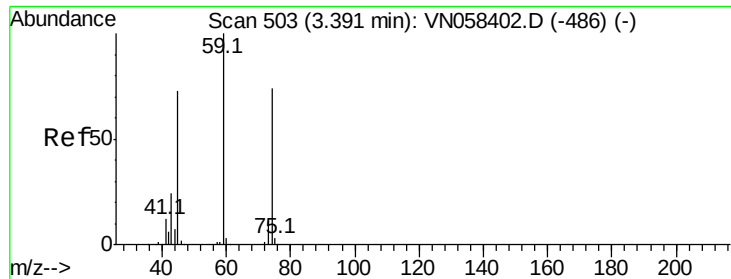
400

200

0

Time--> 2.00 2.02 2.04 2.06





#8

Diethyl Ether

Concen: 0.546 ug/l

RT: 3.40 min Scan# 505

Delta R.T. 0.01 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

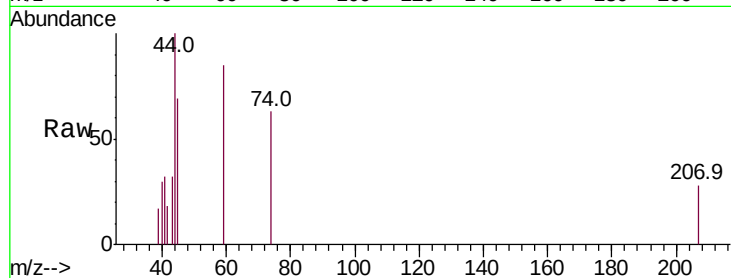
ClientSampleId :

Tot Ion: 74 Resp: 1632

Ion Ratio Lower Upper

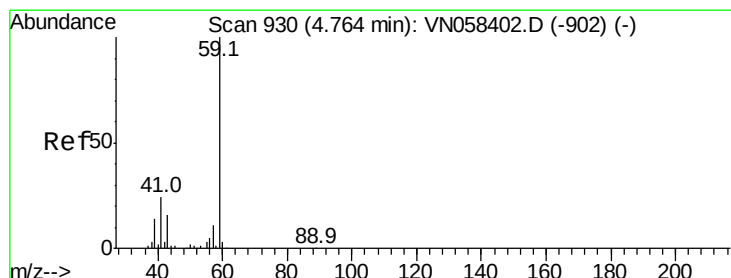
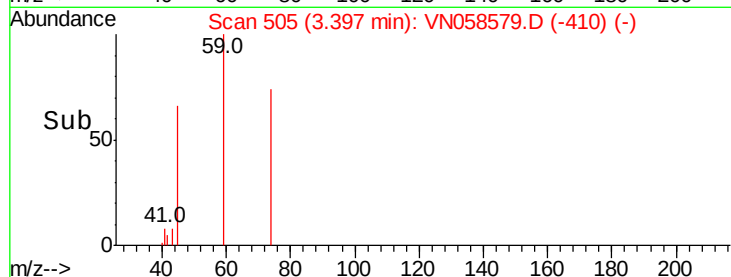
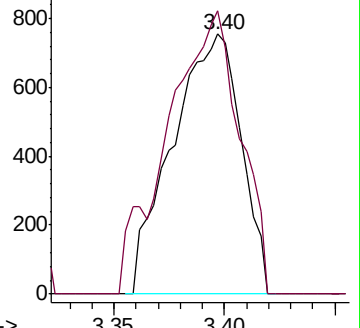
74 100

45 114.6 50.5 151.6



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#11

Tert butyl alcohol

Concen: 0.493 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.02 min

Lab File: VN058579.D

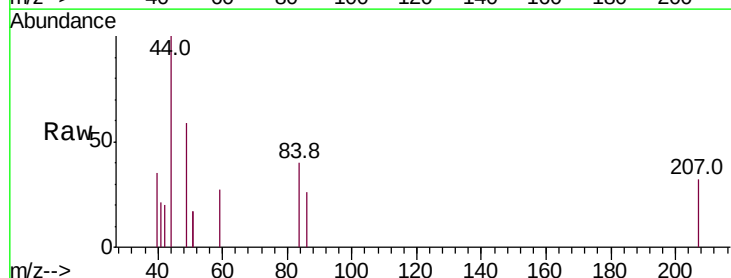
Acq: 7 Oct 2019 20:05

Tgt Ion: 59 Resp: 389

Ion Ratio Lower Upper

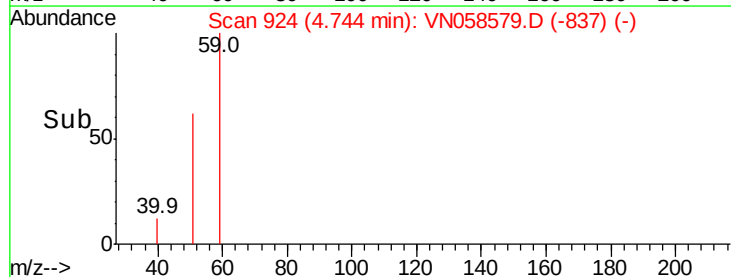
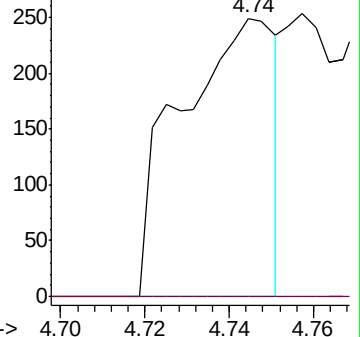
59 100

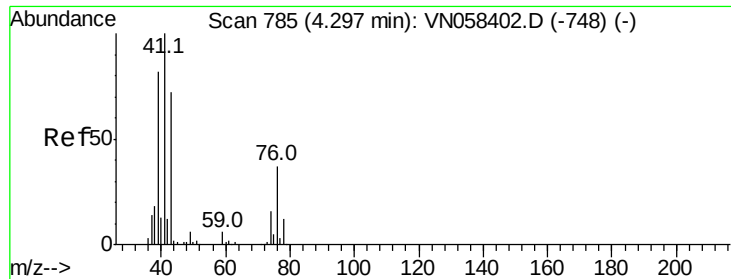
57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

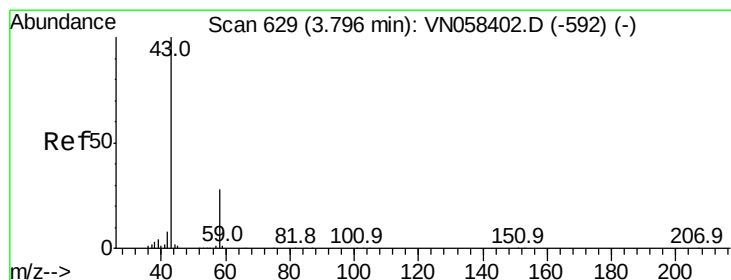
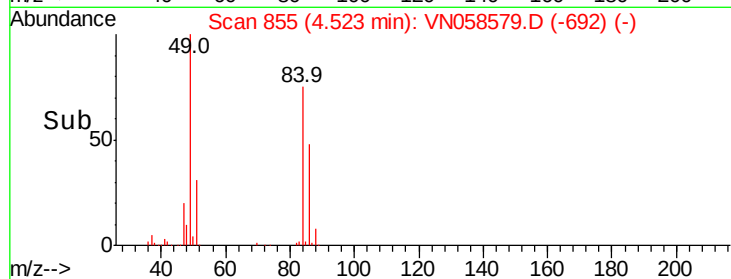
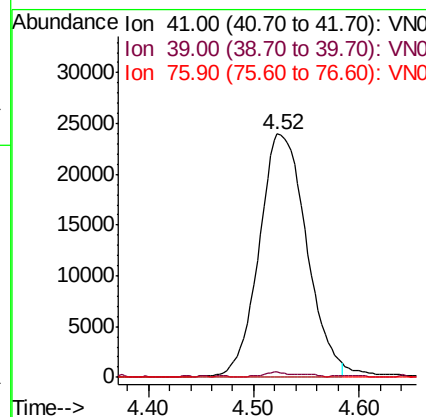
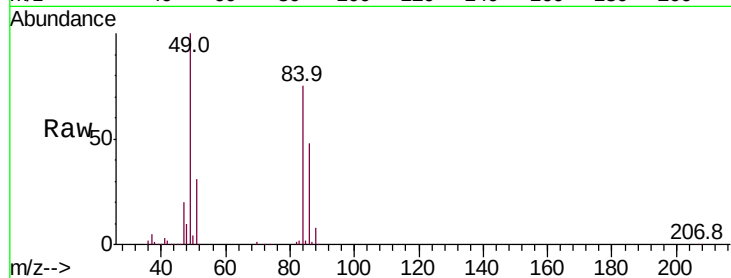




#14
Allvl chloride
Concen: 9.006 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.23 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

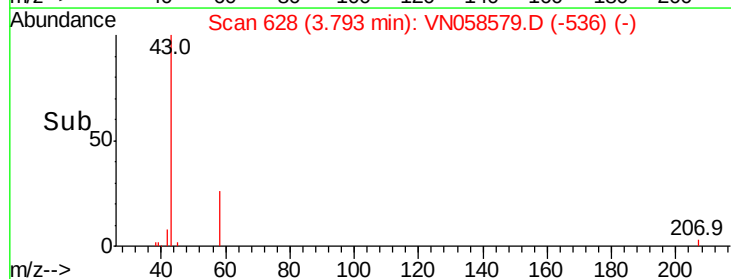
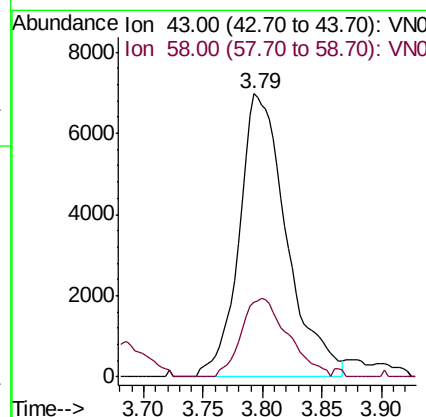
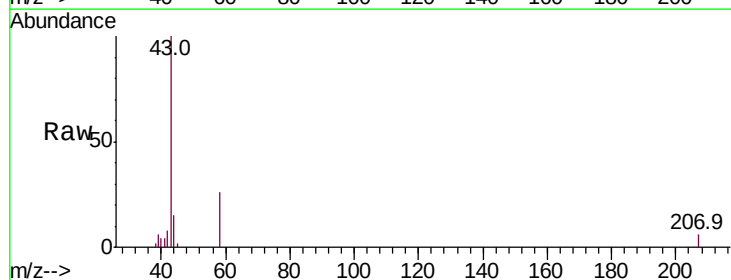
Instrument :
MSVOA_N
ClientSampled :

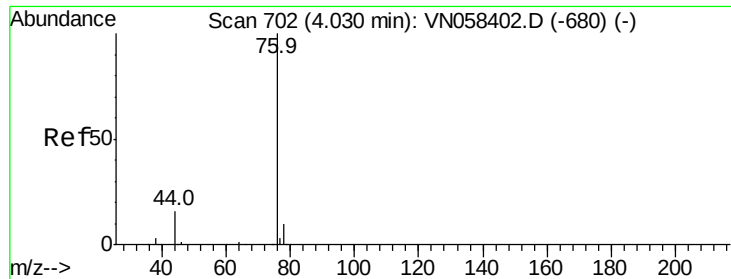
Tot Ion: 41 Resp: 75128
Ion Ratio Lower Upper
41 100
39 1.3 62.3 93.5#
76 0.0 26.9 40.3#



#16
Acetone
Concen: 7.958 ug/l
RT: 3.79 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Tgt Ion: 43 Resp: 19264
Ion Ratio Lower Upper
43 100
58 26.4 22.4 33.6





#17

Carbon Disulfide

Concen: 0.287 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

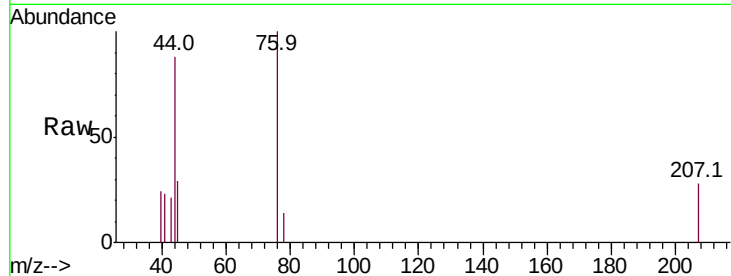
ClientSampled :

Tot Ion: 76 Resp: 3462

Ion Ratio Lower Upper

76 100

78 14.5 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

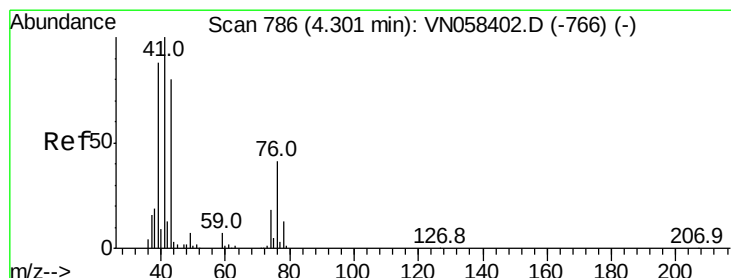
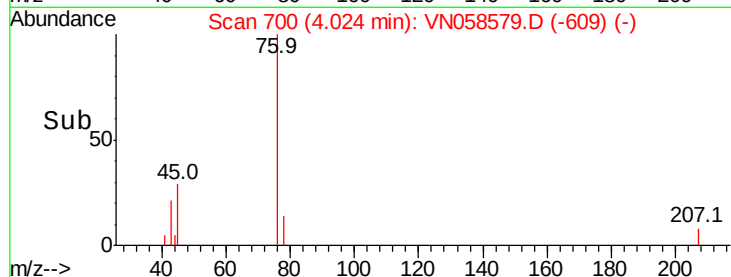
1500

1000

500

0

Time--> 3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 0.729 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058579.D

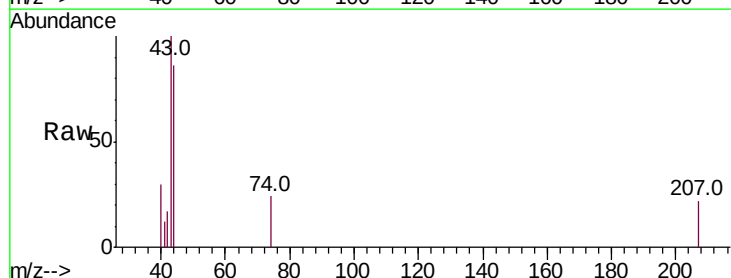
Acq: 7 Oct 2019 20:05

Tgt Ion: 43 Resp: 4441

Ion Ratio Lower Upper

43 100

74 5.9 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

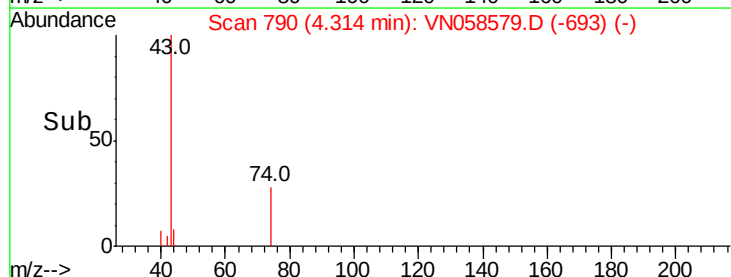
1500

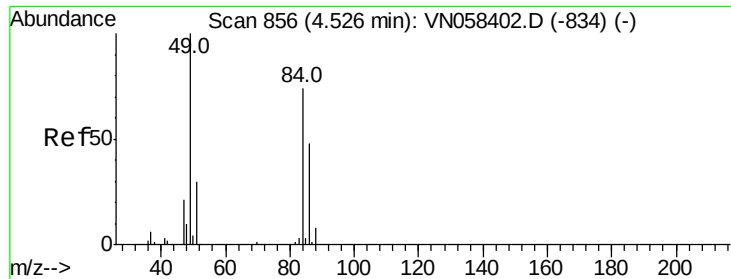
1000

500

0

Time--> 4.25 4.30 4.35 4.40





#20

Methvlene Chloride

Concen: 378.751 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 2115708

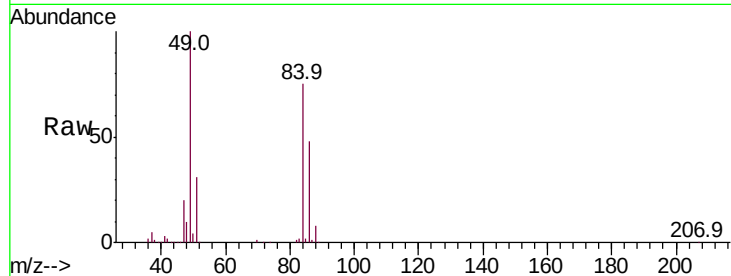
Ion Ratio Lower Upper

84 100

49 133.4 107.9 161.9

51 40.9 32.8 49.2

86 64.1 51.5 77.3

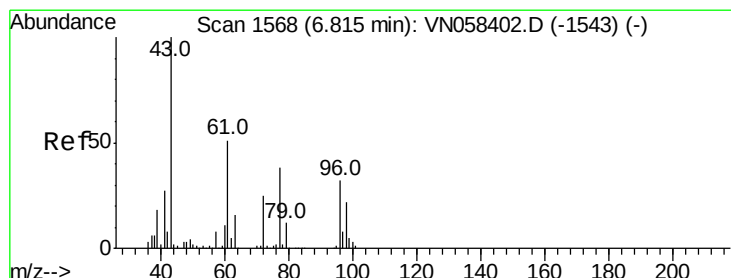
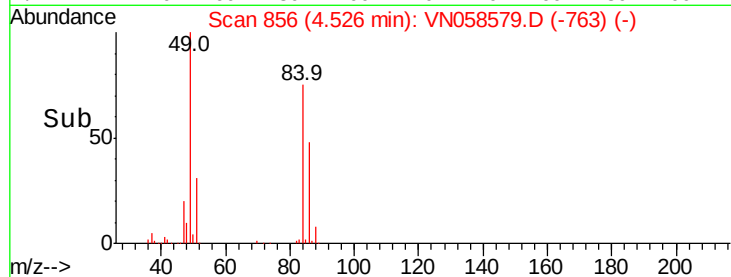
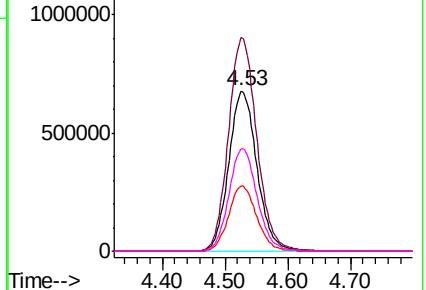


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.679 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VN058579.D

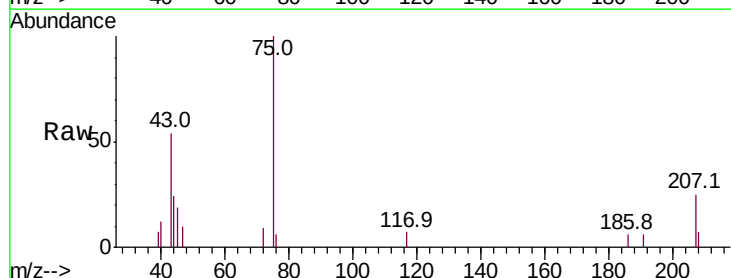
Acq: 7 Oct 2019 20:05

Tgt Ion: 43 Resp: 5580

Ion Ratio Lower Upper

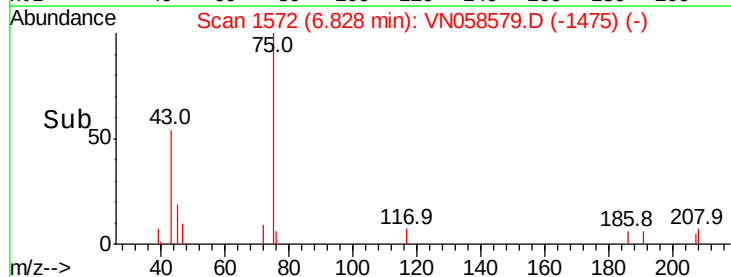
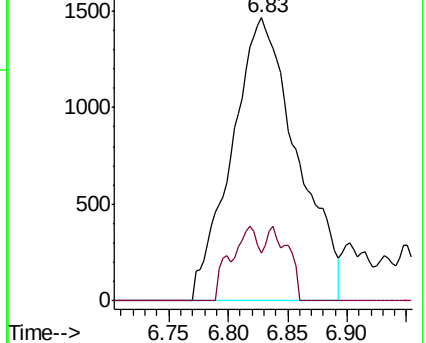
43 100

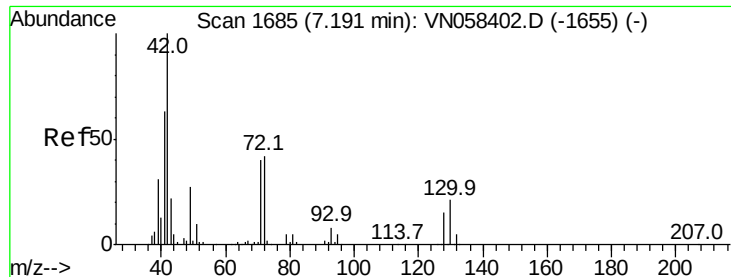
72 16.9 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

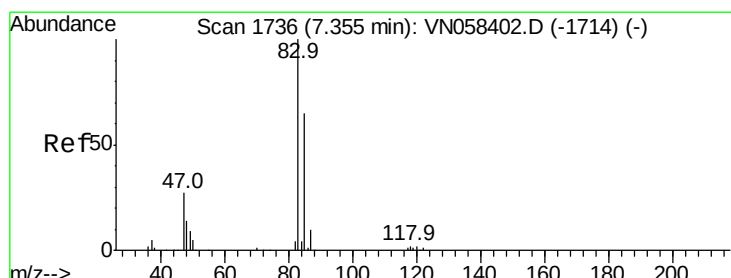
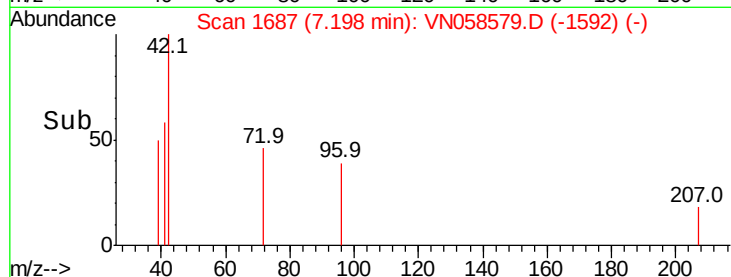
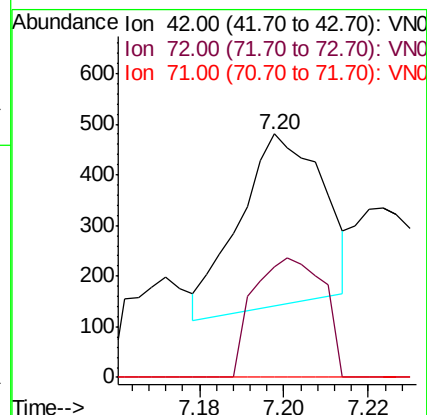
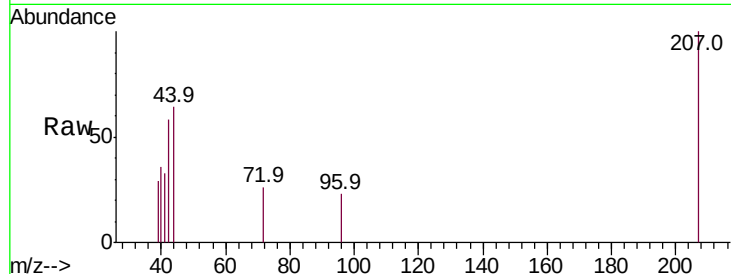




#29
Tetrahydrofuran
Concen: 0.220 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

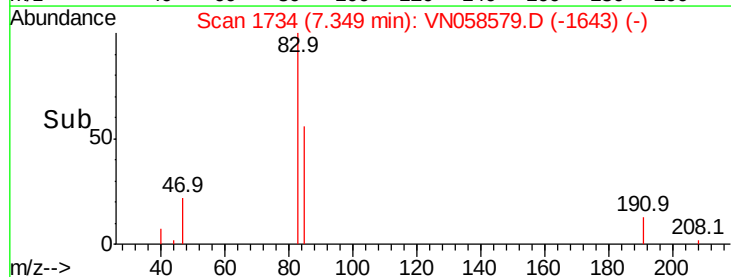
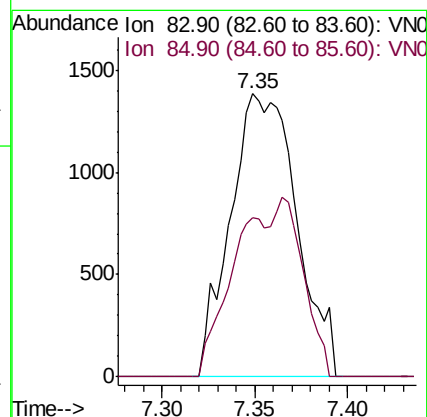
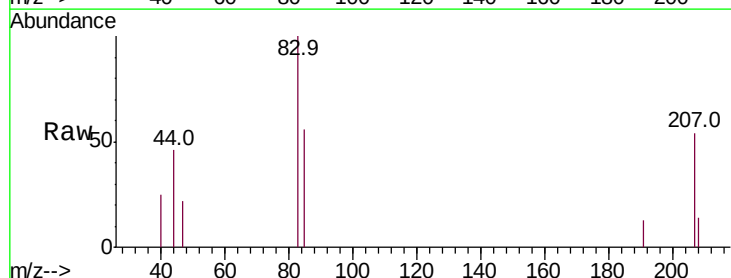
Instrument :
MSVOA_N
ClientSampled :

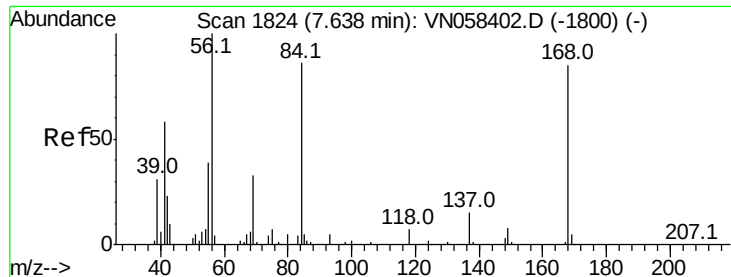
Tot Ion: 42 Resp: 465
Ion Ratio Lower Upper
42 100
72 58.7 33.7 50.5#
71 0.0 31.8 47.6#



#30
Chloroform
Concen: 0.338 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Tgt Ion: 83 Resp: 3456
Ion Ratio Lower Upper
83 100
85 56.1 52.0 78.0





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :
MSVOA_N
ClientSampled :

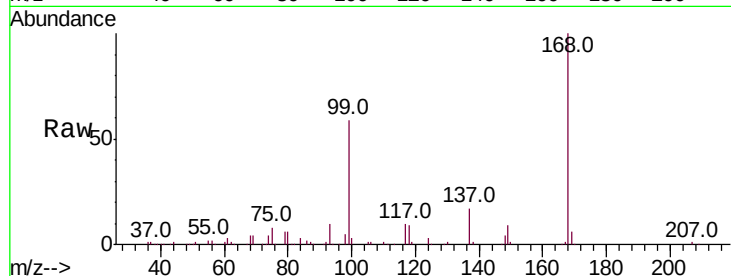
Tot Ion: 56 Resp: 11191

Ion Ratio Lower Upper

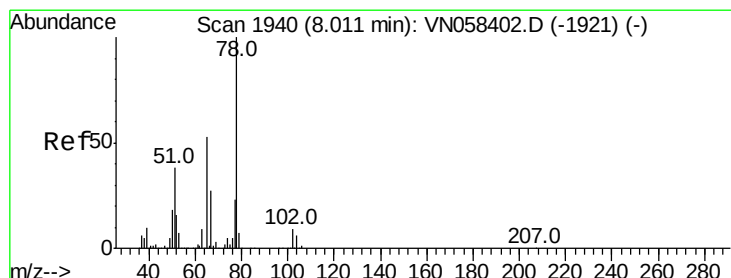
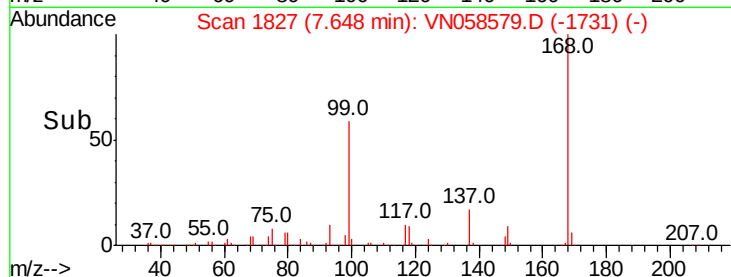
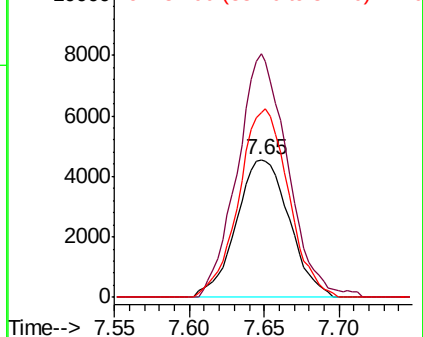
56 100

69 177.1 26.2 39.4#

84 134.8 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 47.869 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058579.D

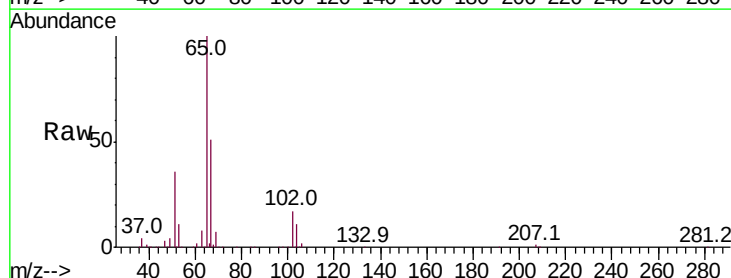
Acq: 7 Oct 2019 20:05

Tgt Ion: 65 Resp: 339904

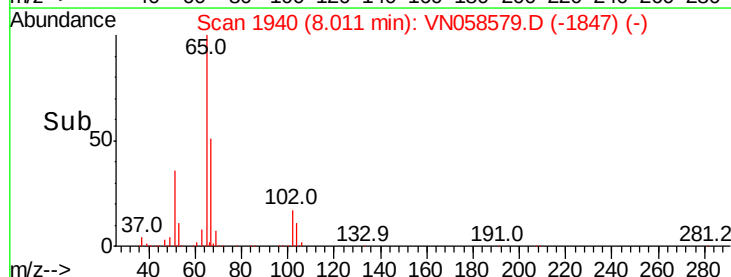
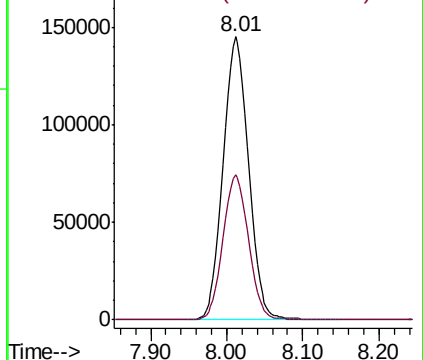
Ion Ratio Lower Upper

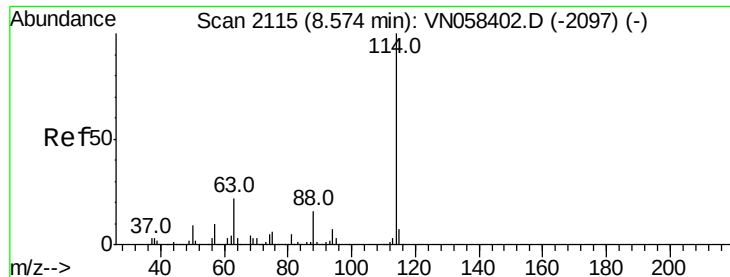
65 100

67 51.3 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

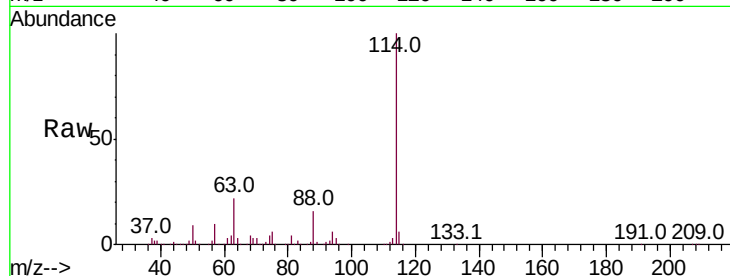




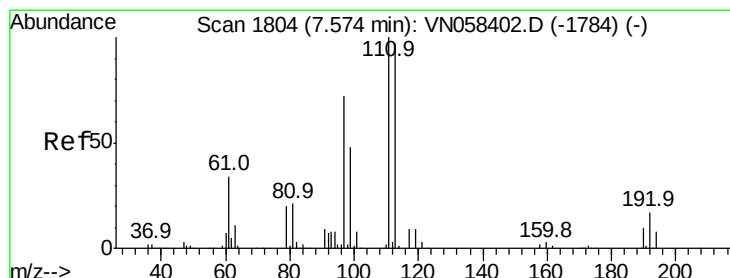
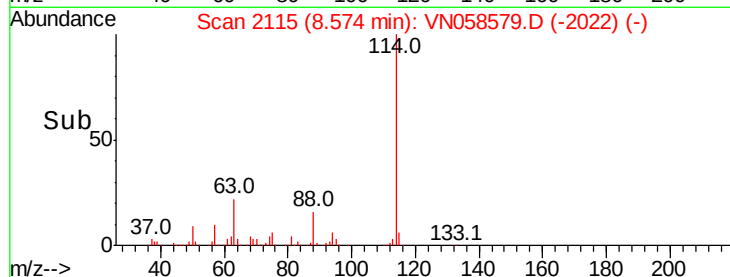
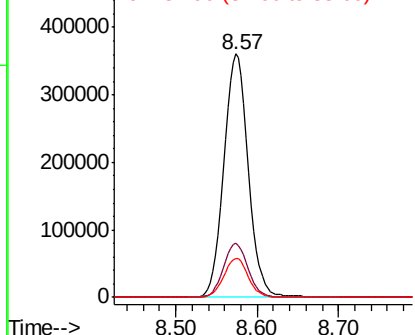
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 763869
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 16.1 0.0 32.2

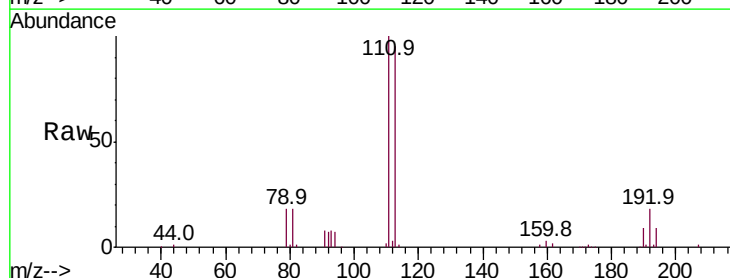


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

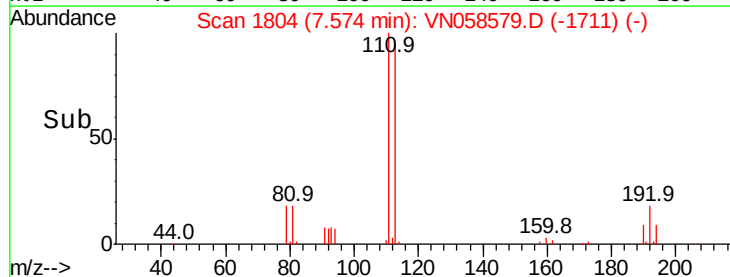
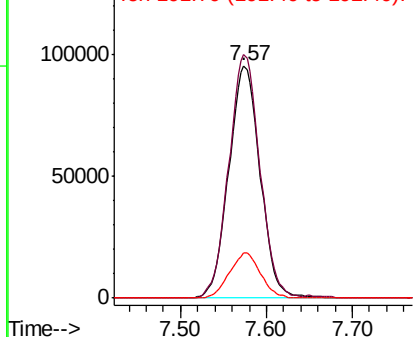


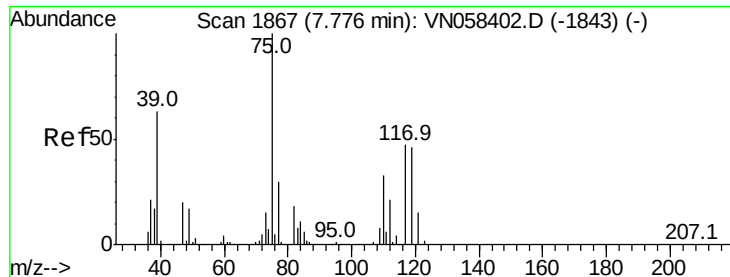
#35
Dibromofluoromethane
Concen: 51.445 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Tgt Ion:113 Resp: 240851
Ion Ratio Lower Upper
113 100
111 104.0 83.4 125.2
192 19.2 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





#36

1,1-Dichloropropene

Concen: 5.425 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

ClientSampled :

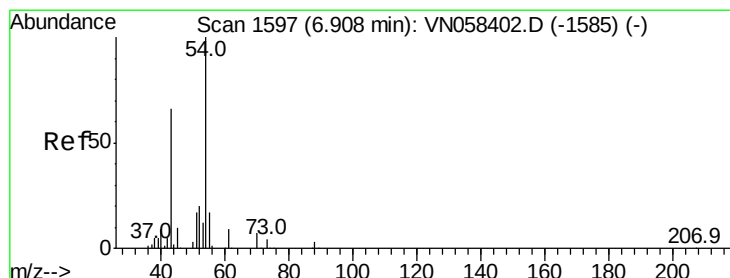
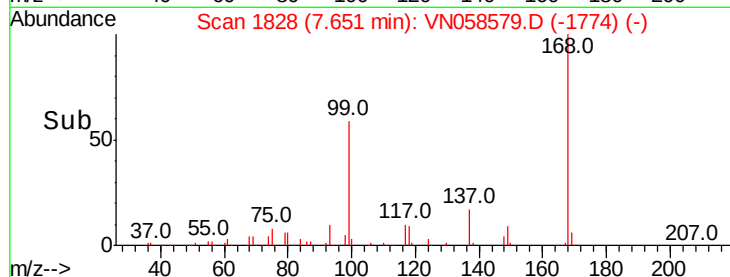
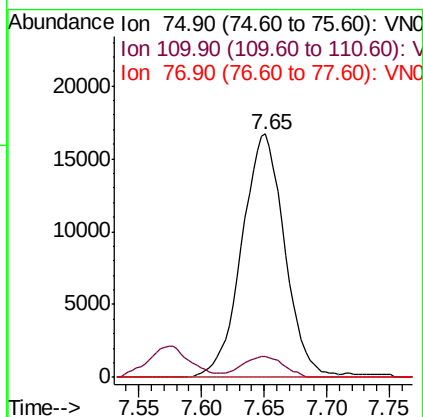
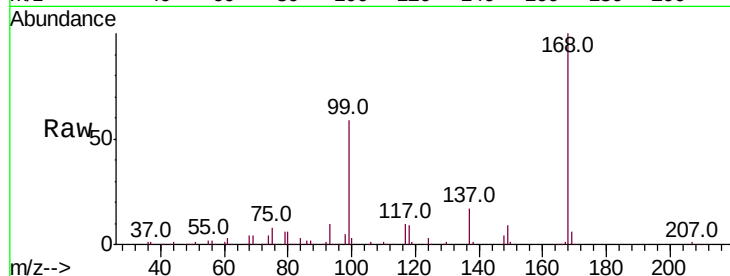
Tot Ion: 75 Resp: 39624

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.2#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 0.901 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.08 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

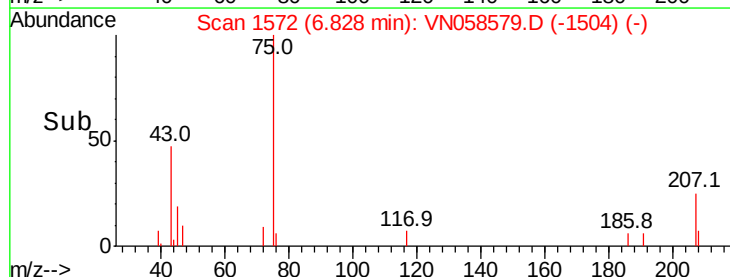
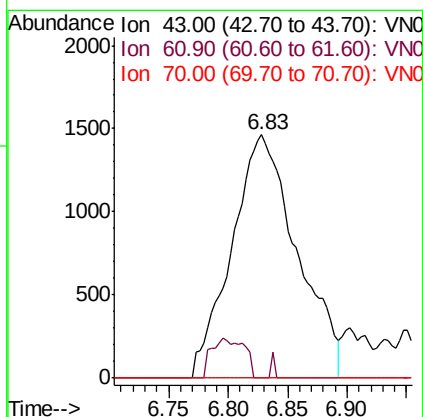
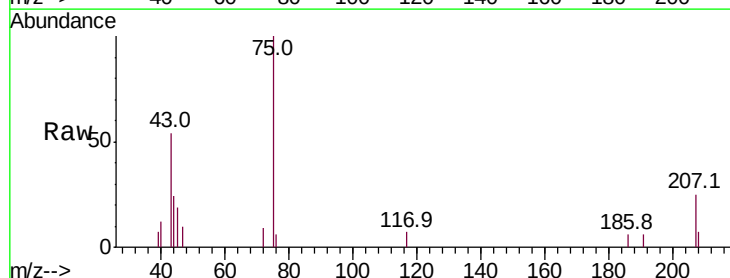
Tgt Ion: 43 Resp: 5580

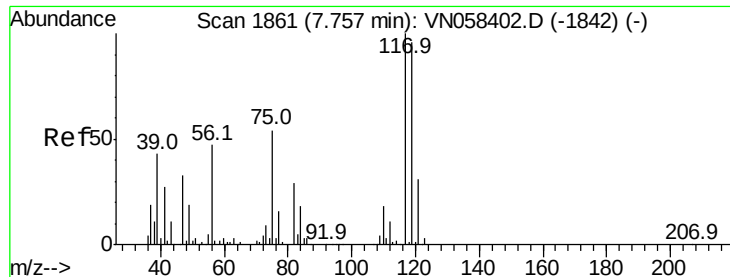
Ion Ratio Lower Upper

43 100

61 0.5 10.5 15.7#

70 0.0 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 7.253 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :

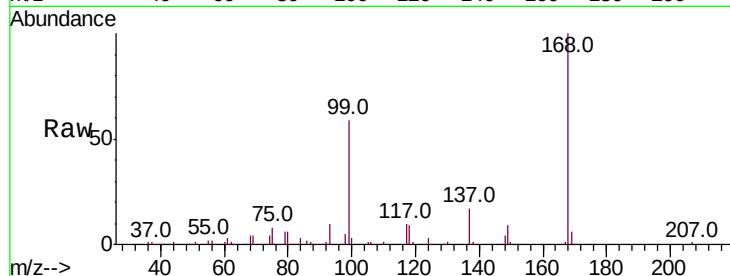
Tot Ion:117 Resp: 47819

Ion Ratio Lower Upper

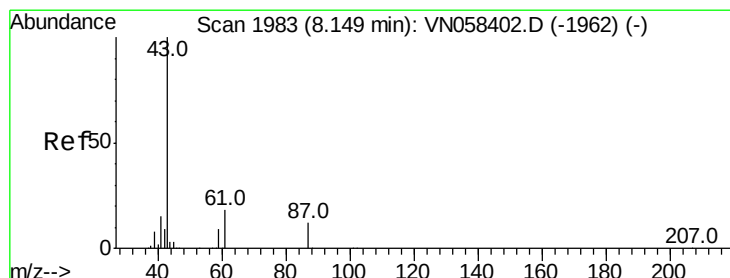
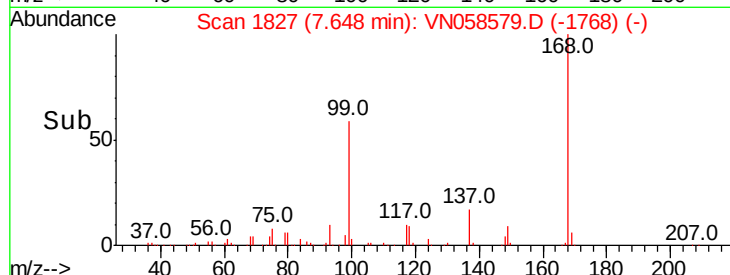
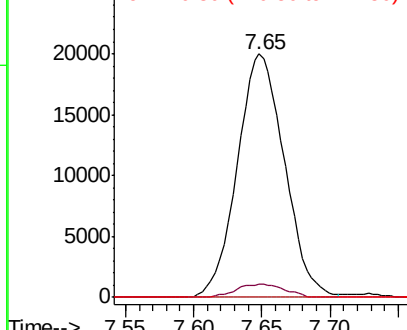
117 100

119 5.5 76.6 115.0#

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



#43

Isopropyl Acetate

Concen: 7.076 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

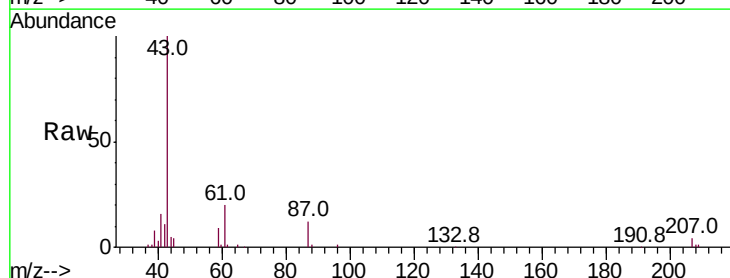
Tgt Ion: 43 Resp: 82395

Ion Ratio Lower Upper

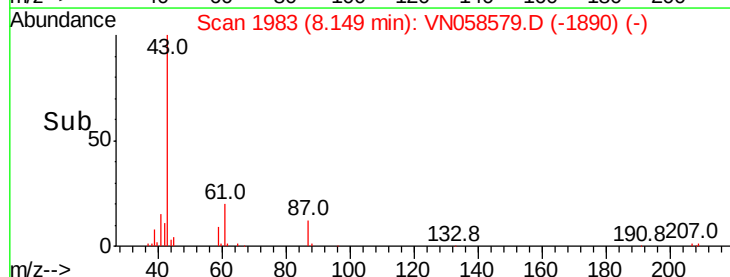
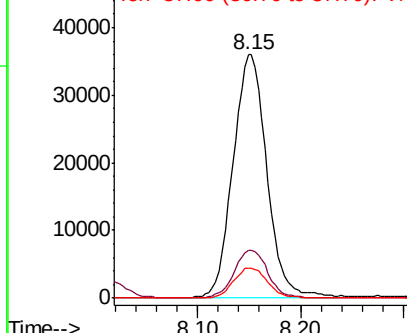
43 100

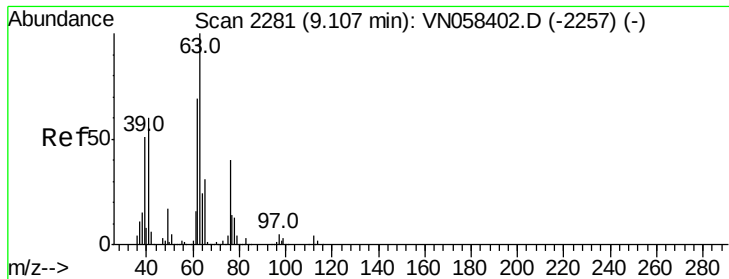
61 19.4 14.8 22.2

87 12.3 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.232 ug/l

RT: 9.26 min Scan# 2327

Delta R.T. 0.15 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

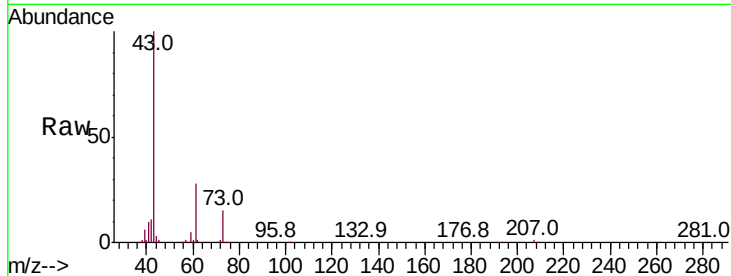
ClientSampleId :

Tot Ion: 63 Resp: 1304

Ion Ratio Lower Upper

63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.26

800

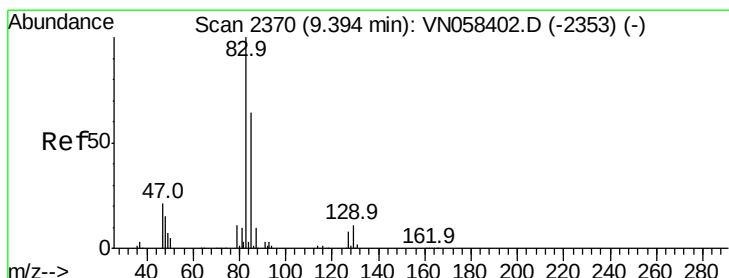
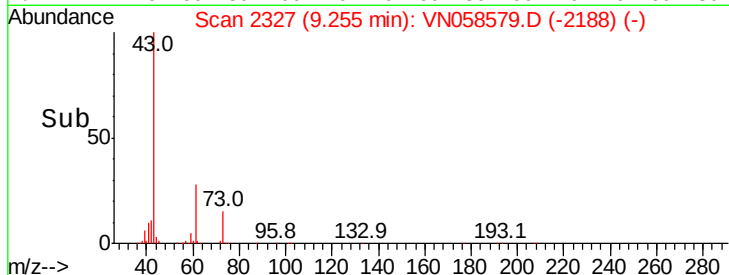
600

400

200

0

Time-->



#47

Bromodichloromethane

Concen: 0.218 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

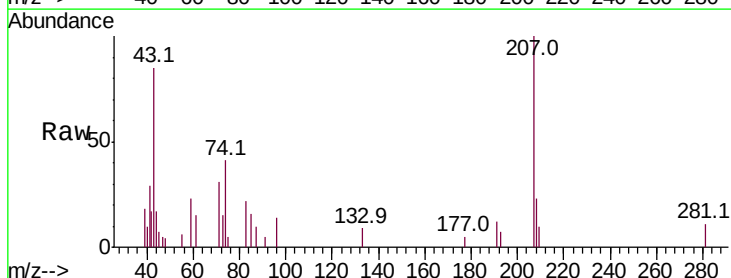
Tgt Ion: 83 Resp: 1473

Ion Ratio Lower Upper

83 100

85 72.4 51.2 76.8

127 0.0 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V

1000

800

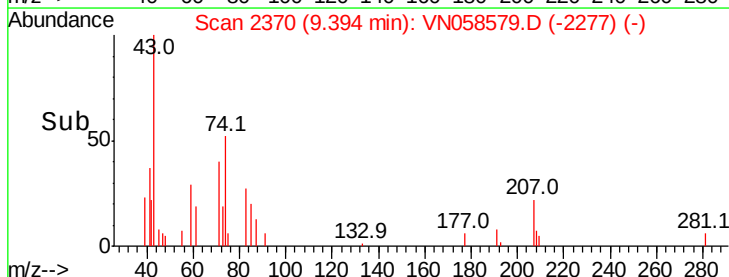
600

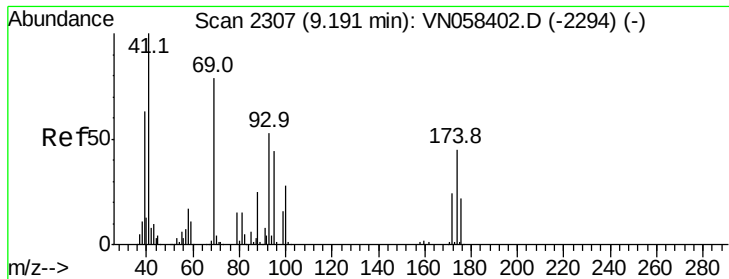
400

200

0

Time-->

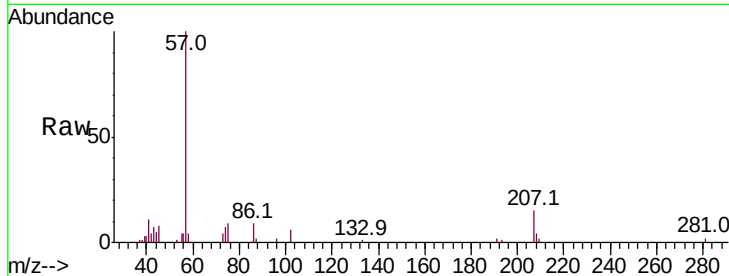




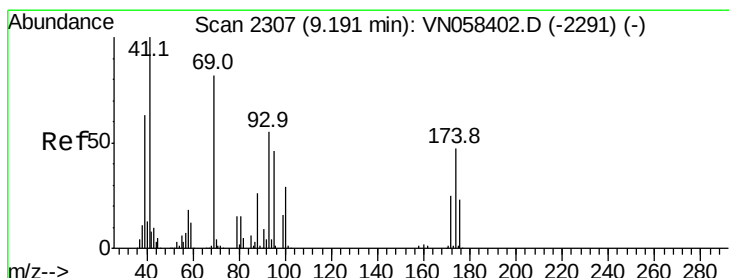
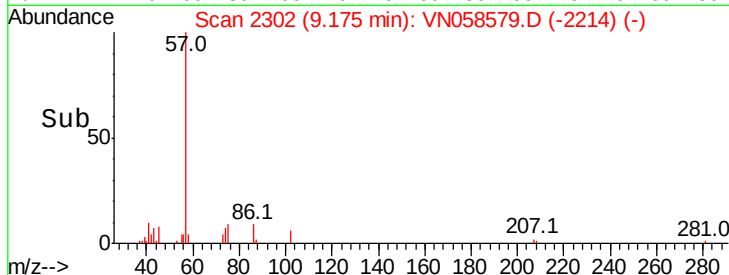
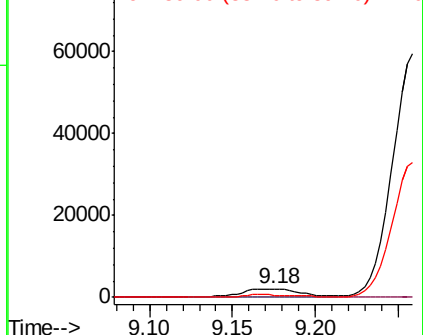
#48
Methvl methacrylate
Concen: 1.003 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 5321
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 0.0 52.9 79.3#

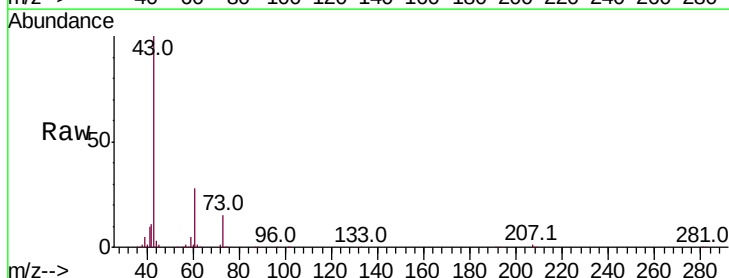


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

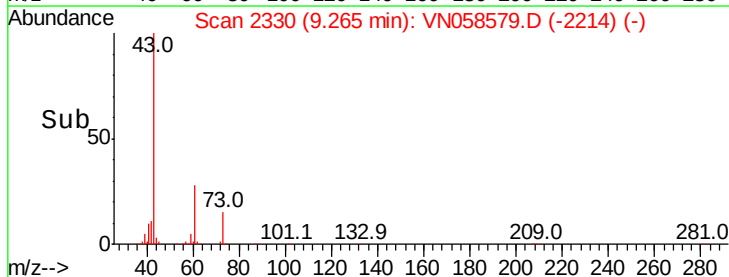
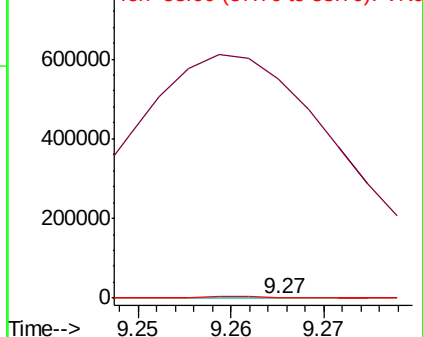


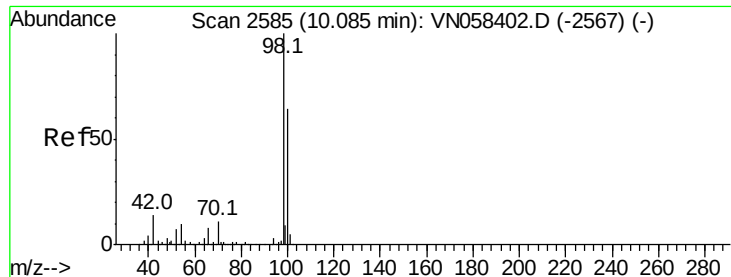
#49
1,4-Dioxane
Concen: 0.860 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 1867677.0 31.1 46.7#
58 7890.2 58.1 87.1#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 52.938 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

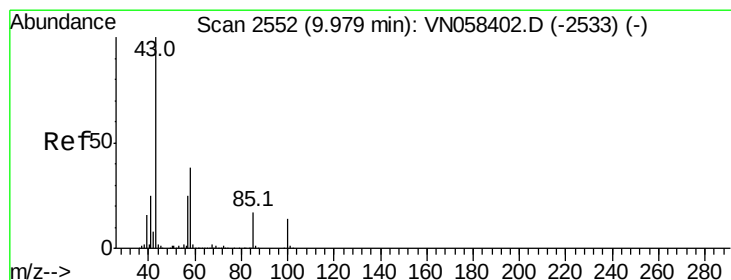
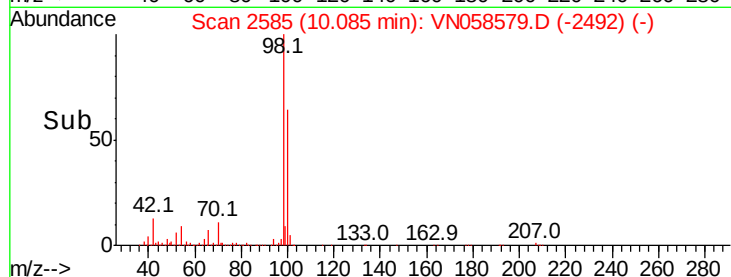
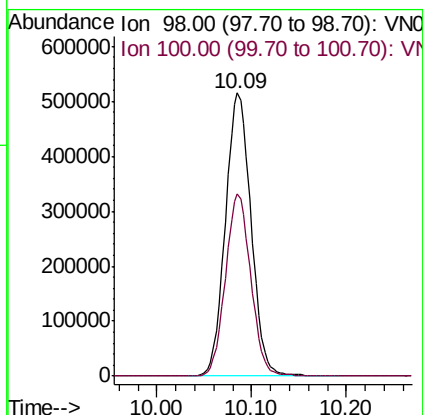
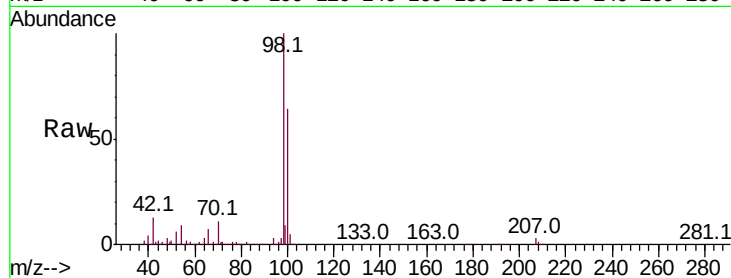
ClientSampled :

Tot Ion: 98 Resp: 970881

Ion Ratio Lower Upper

98 100

100 63.6 51.0 76.6



#51

4-Methyl-2-Pentanone

Concen: 0.826 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058579.D

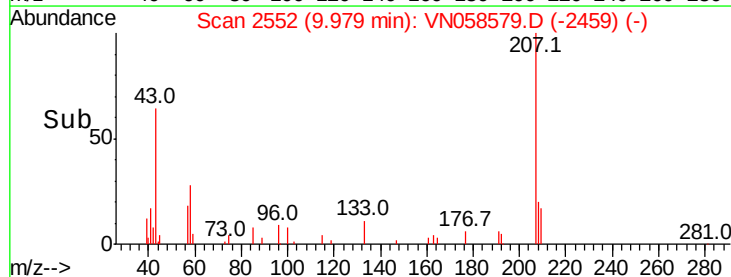
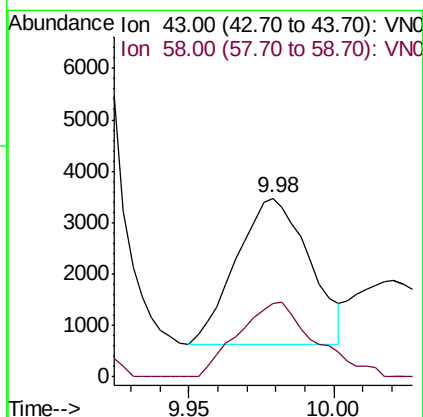
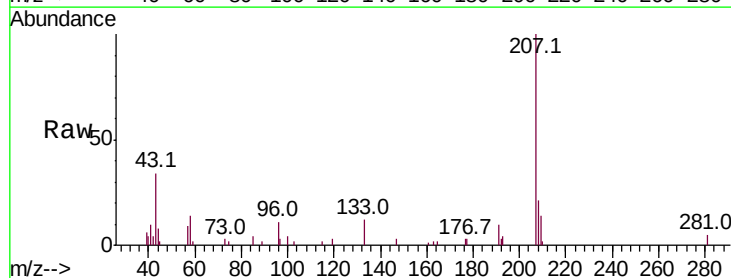
Acq: 7 Oct 2019 20:05

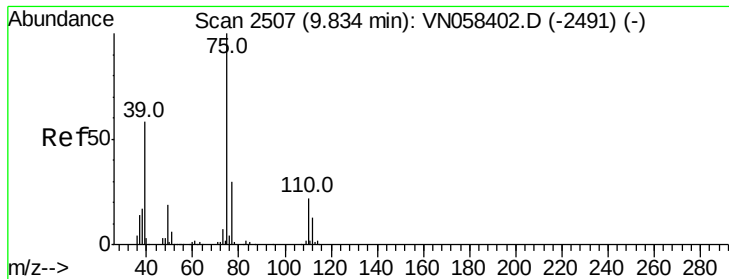
Tgt Ion: 43 Resp: 4939

Ion Ratio Lower Upper

43 100

58 54.1 30.2 45.2#



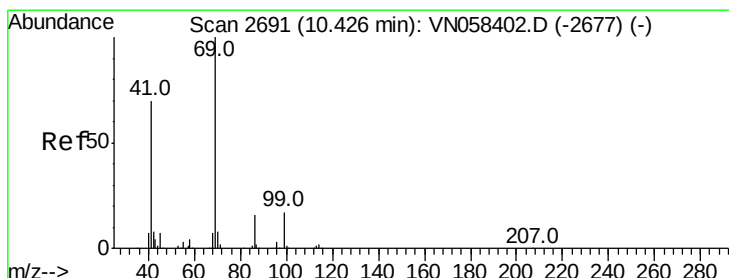
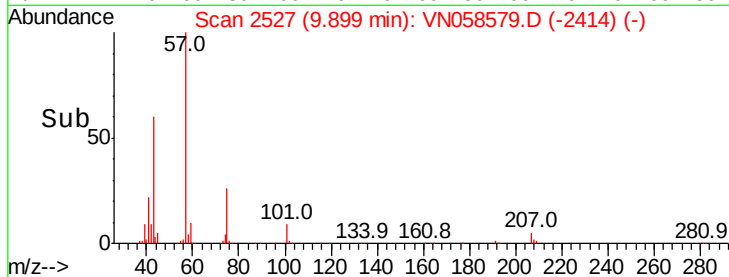
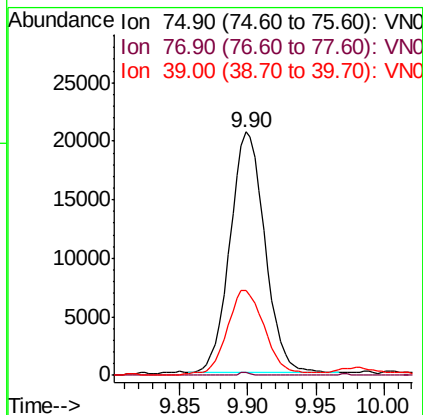
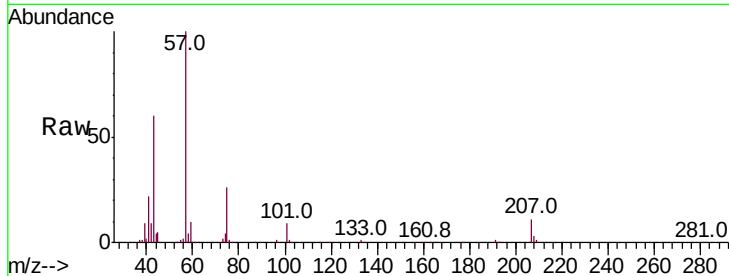


#54

cis-1,3-Dichloropropene
Concen: 4.479 ug/l
RT: 9.90 min Scan# 2527
Delta R.T. 0.06 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Instrument :
MSVOA_N
ClientSampled :

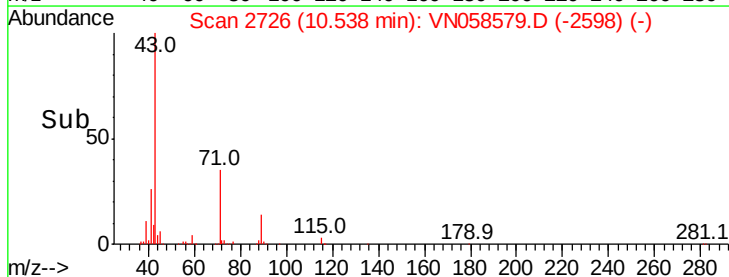
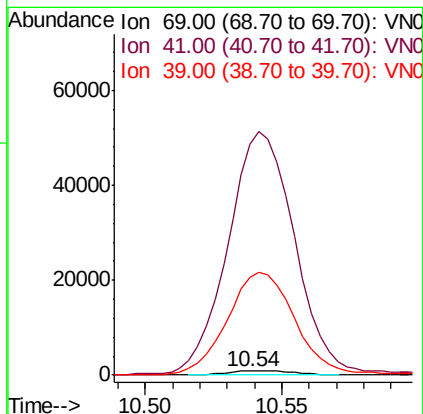
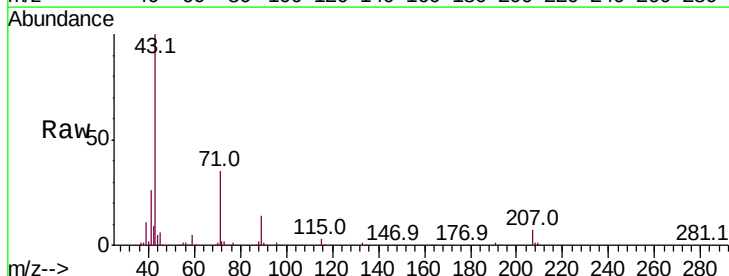
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.1	24.2	36.4#
39	34.3	46.4	69.6#

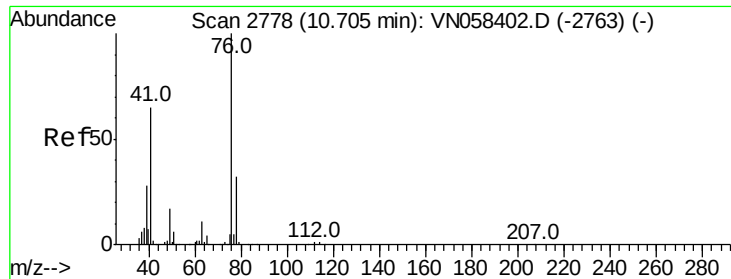


#56

Ethyl methacrylate
Concen: 0.203 ug/l
RT: 10.54 min Scan# 2726
Delta R.T. 0.11 min
Lab File: VN058579.D
Acq: 7 Oct 2019 20:05

Tgt Ion	Ratio	Lower	Upper
69	100		
41	5954.3	56.3	84.5#
39	2525.4	35.8	53.6#





#57

1,3-Dichloropropane

Concen: 0.644 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

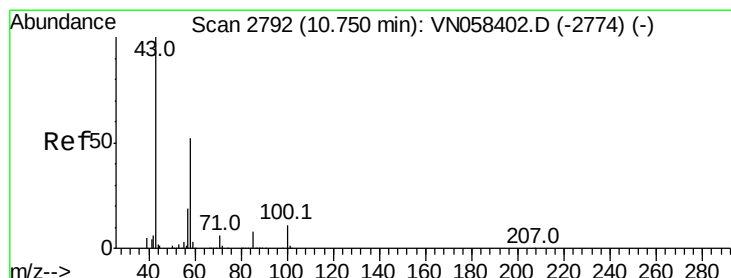
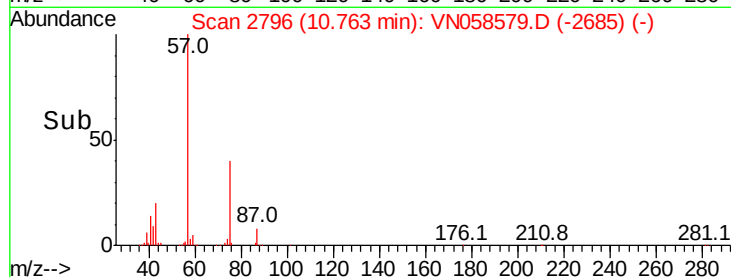
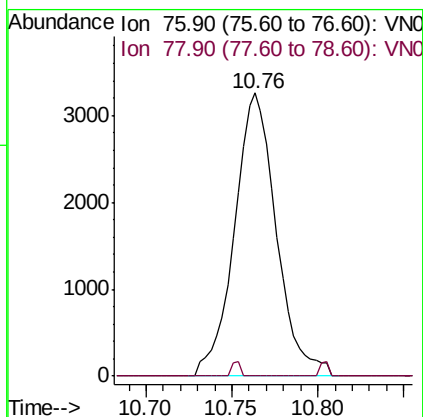
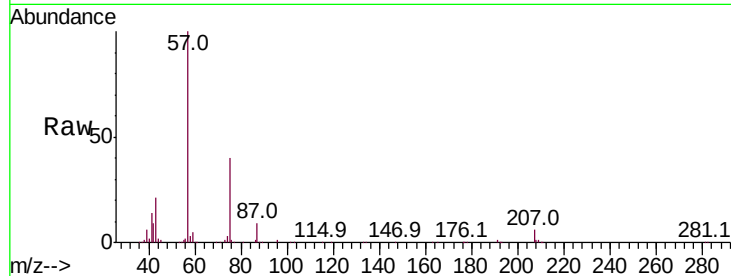
ClientSampleId :

Tot Ion: 76 Resp: 5530

Ion Ratio Lower Upper

76 100

78 1.1 25.7 38.5#



#59

2-Hexanone

Concen: 19.182 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN058579.D

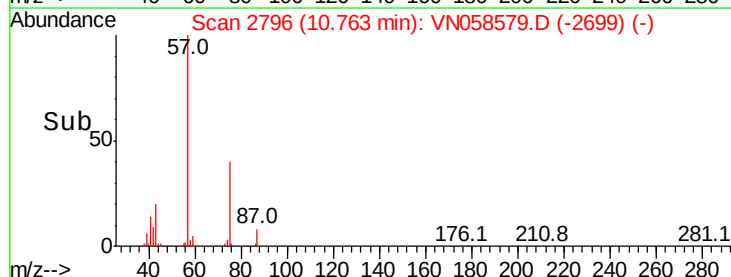
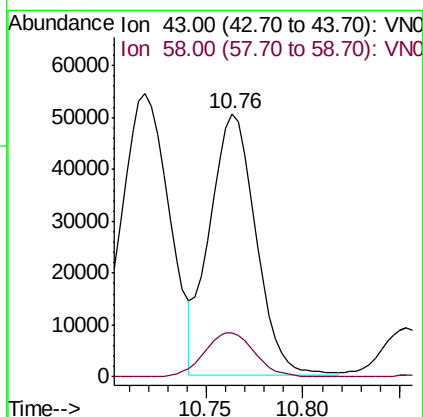
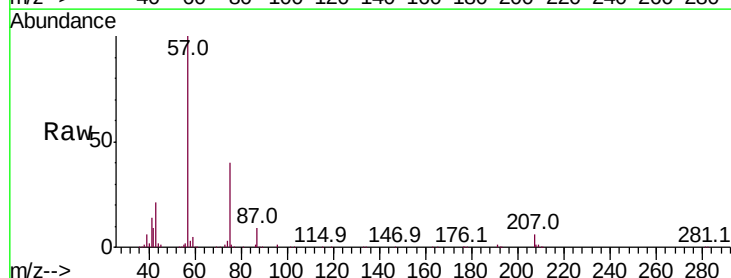
Acq: 7 Oct 2019 20:05

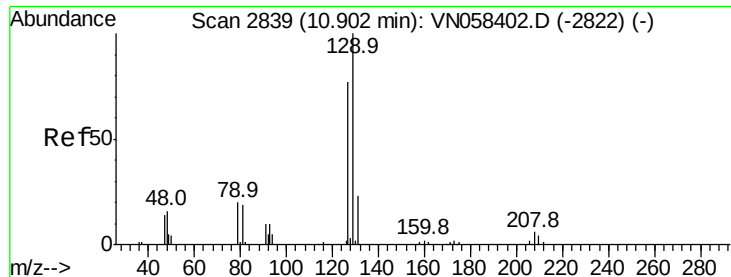
Tgt Ion: 43 Resp: 83550

Ion Ratio Lower Upper

43 100

58 18.5 25.8 77.3#





#60

Dibromochloromethane

Concen: Below Cal

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

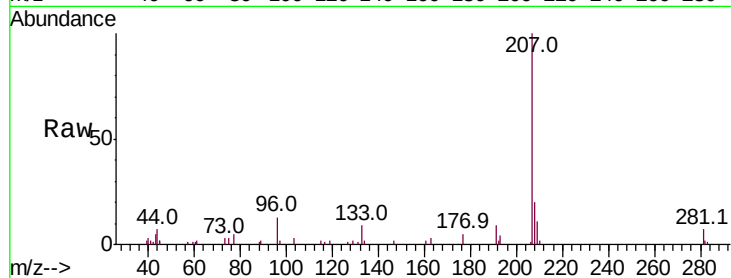
ClientSampled :

Tot Ion:129 Resp: 382

Ion Ratio Lower Upper

129 100

127 49.5 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

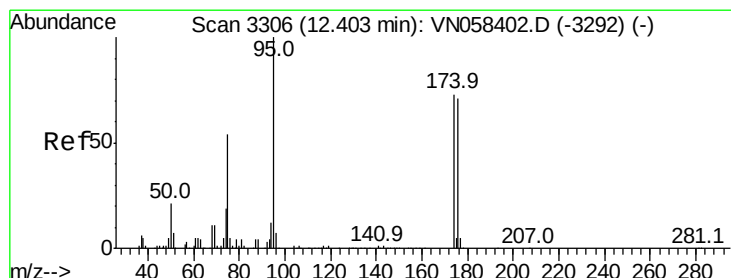
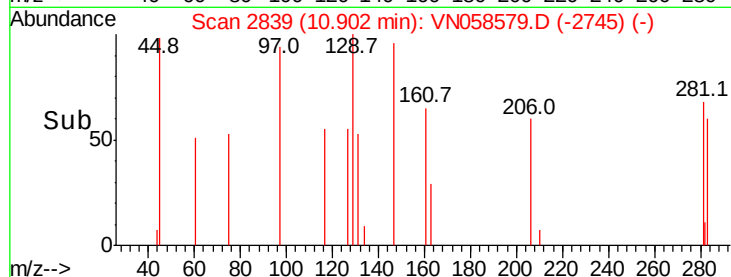
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.327 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

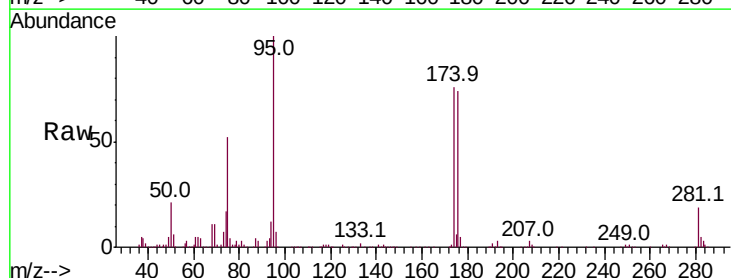
Tgt Ion: 95 Resp: 313847

Ion Ratio Lower Upper

95 100

174 76.5 0.0 150.6

176 74.5 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

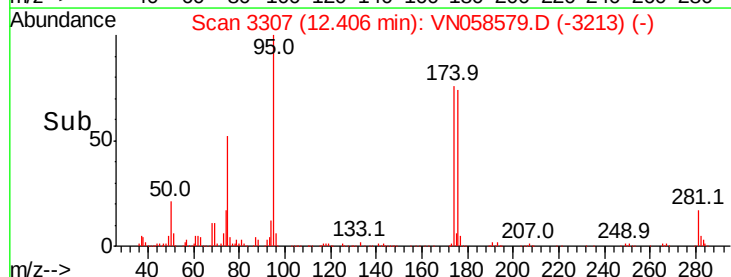
150000

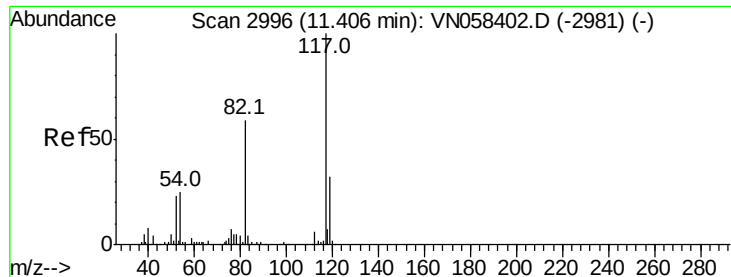
100000

50000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

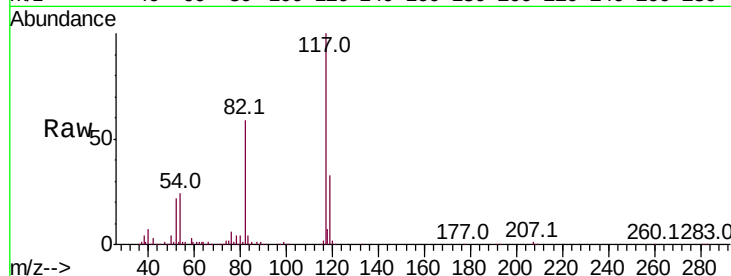
Tot Ion:117 Resp: 656720

Ion Ratio Lower Upper

117 100

82 58.8 47.4 71.0

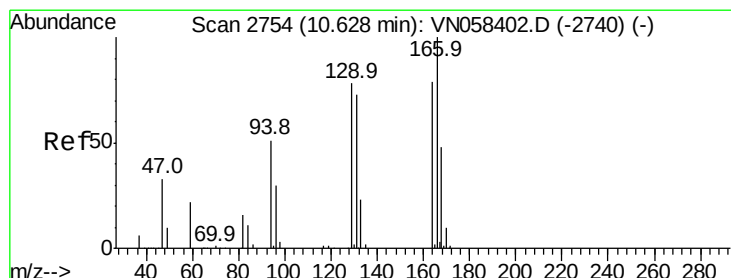
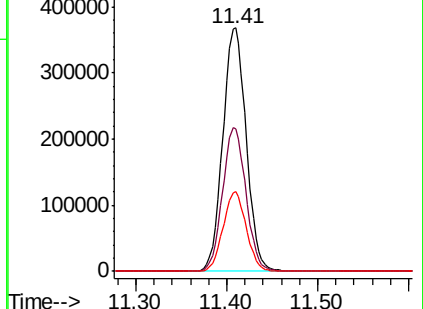
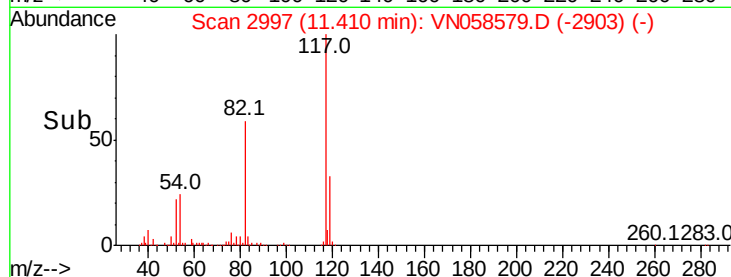
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.281 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Tgt Ion:164 Resp: 1172

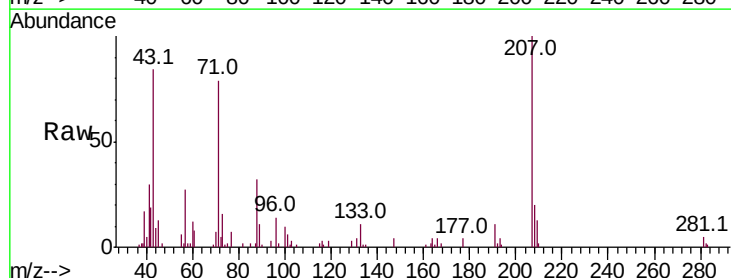
Ion Ratio Lower Upper

164 100

166 91.3 101.1 151.7#

129 80.7 79.2 118.8

131 101.8 74.1 111.1

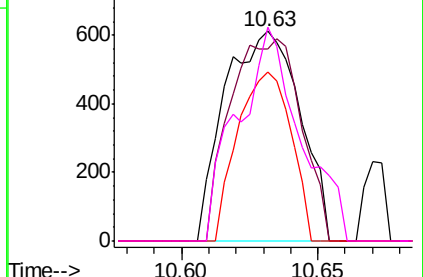
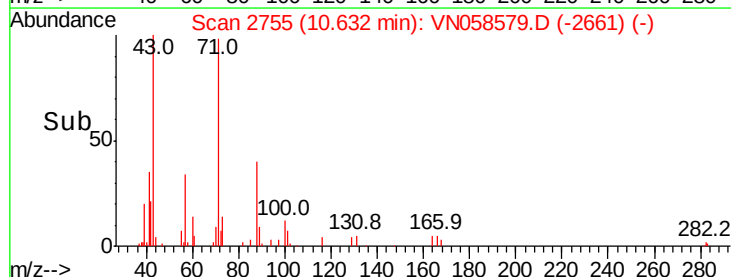


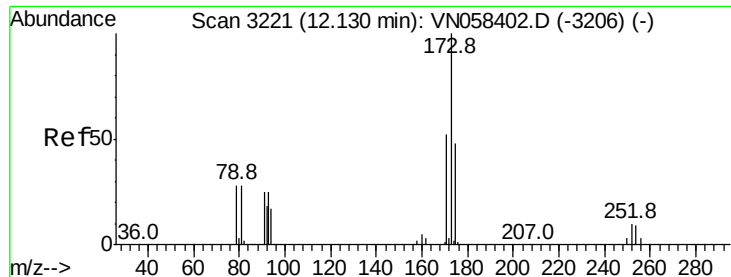
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.918 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

ClientSampled :

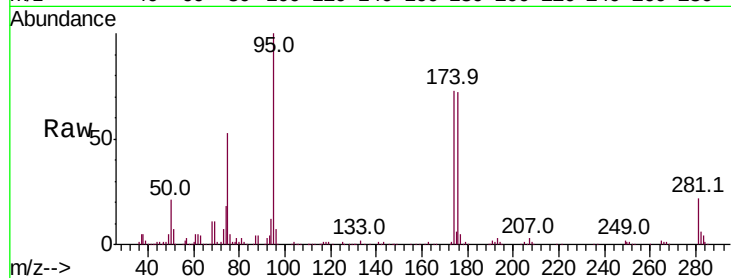
Tot Ion:173 Resp: 687

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

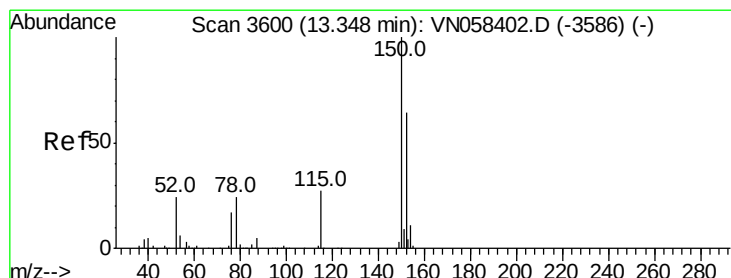
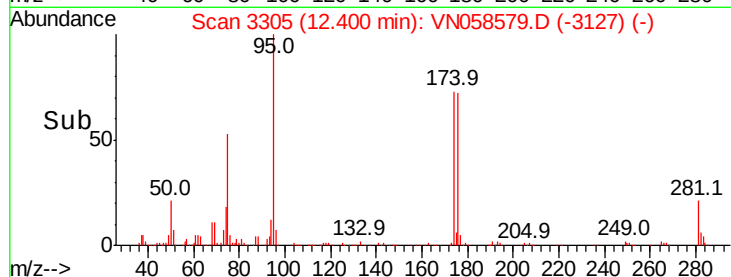
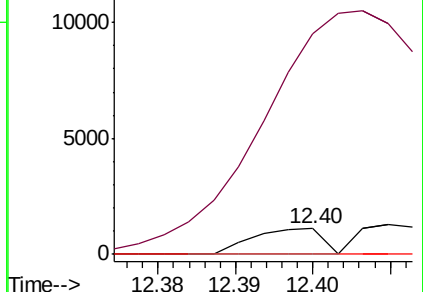
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

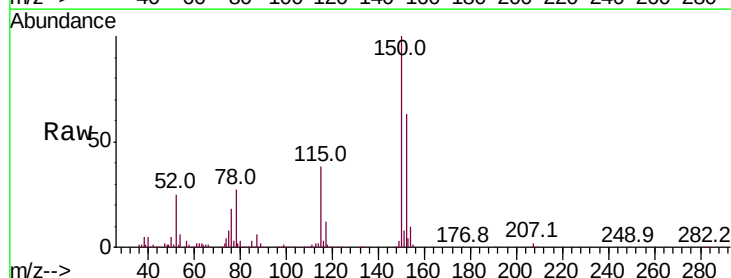
Tgt Ion:152 Resp: 261912

Ion Ratio Lower Upper

152 100

115 60.2 30.0 90.0

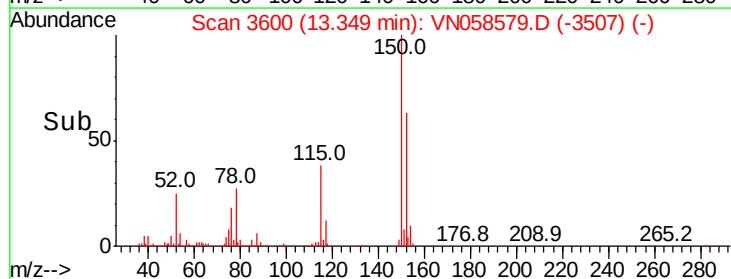
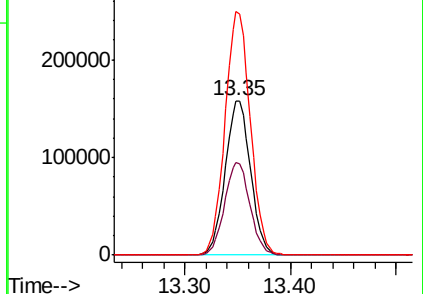
150 157.2 0.0 348.2

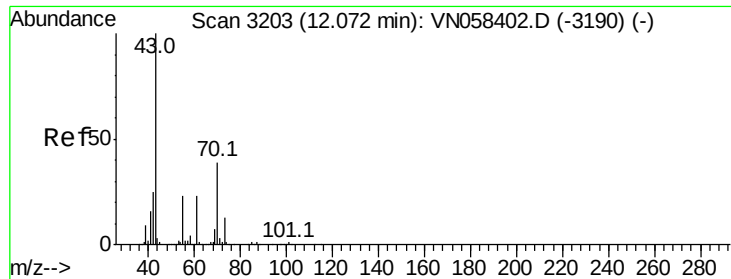


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.618 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 4758

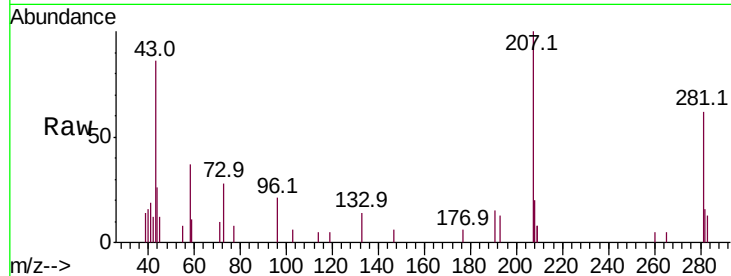
Ion Ratio Lower Upper

43 100

70 0.0 31.4 47.2#

55 6.9 18.2 27.4#

61 0.0 18.3 27.5#

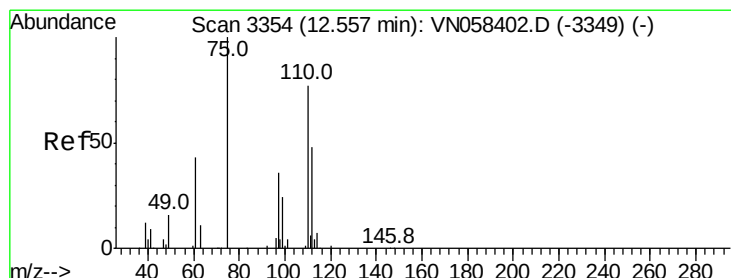
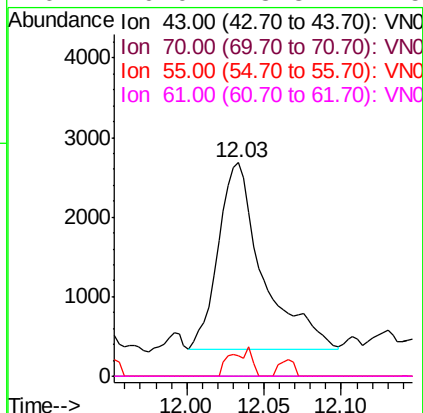
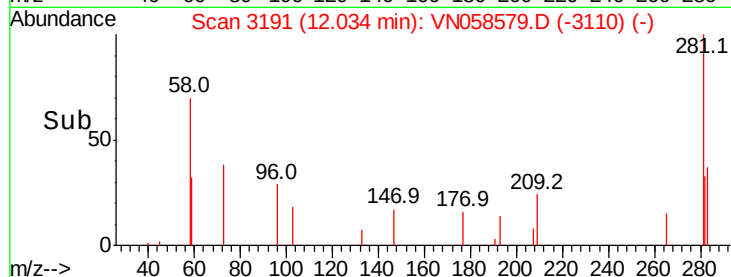


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 34.793 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058579.D

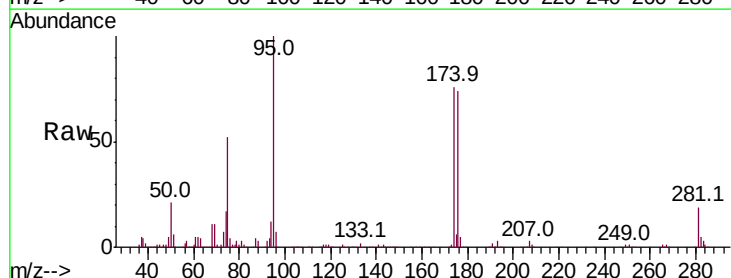
Acq: 7 Oct 2019 20:05

Tgt Ion: 75 Resp: 166446

Ion Ratio Lower Upper

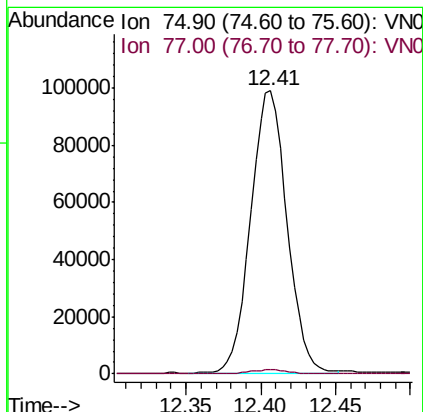
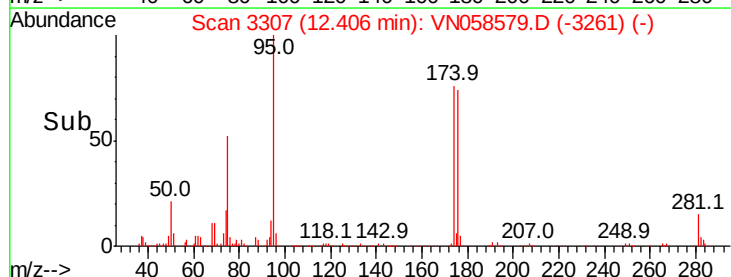
75 100

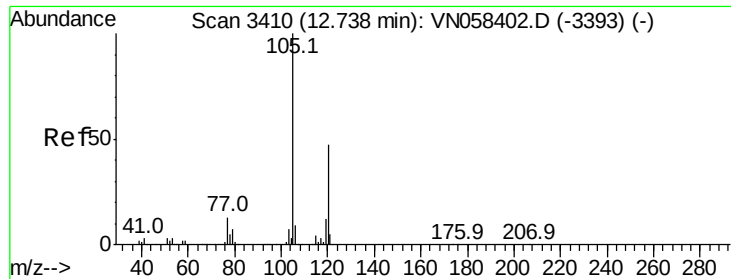
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

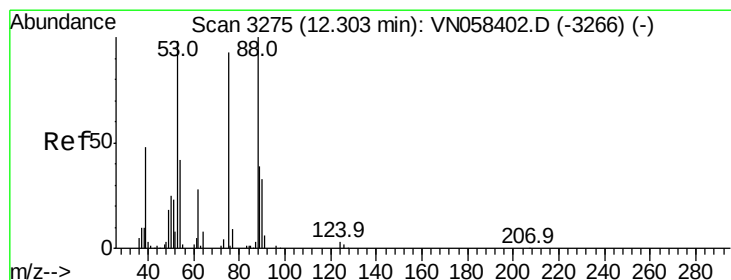
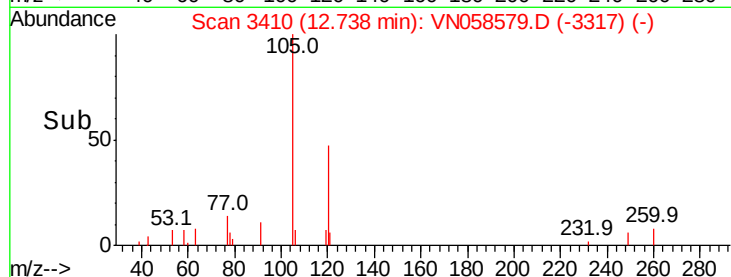
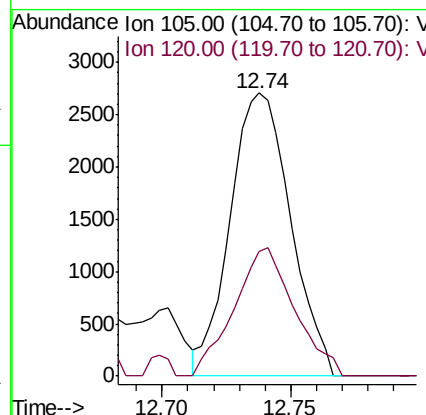
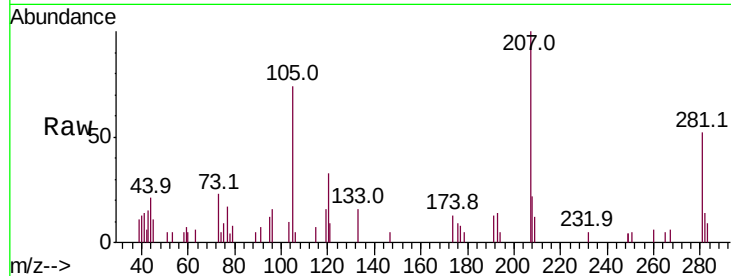




#80
 1,3,5-Trimethylbenzene
 Concen: 0.273 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058579.D
 Acq: 7 Oct 2019 20:05

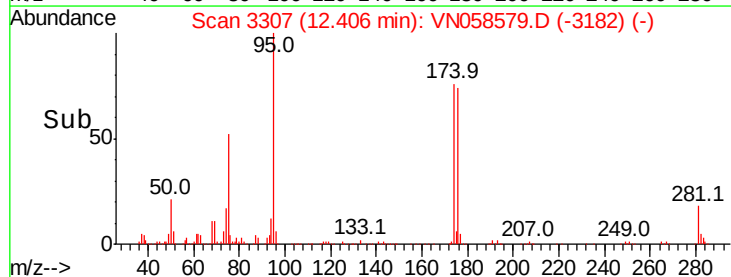
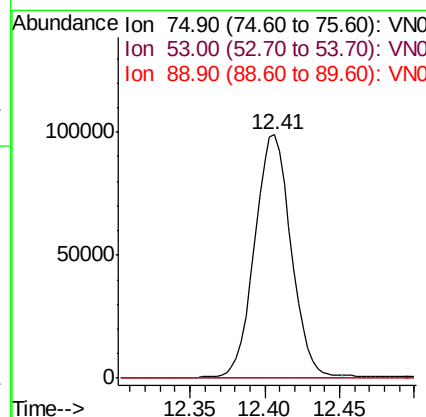
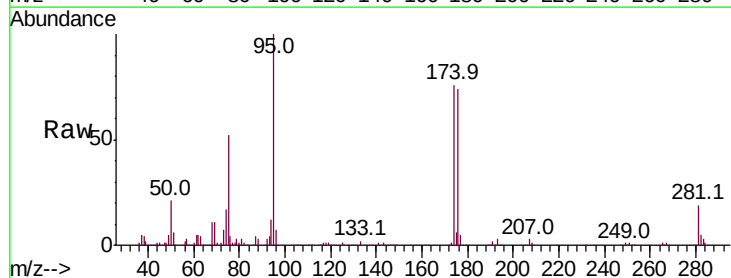
Instrument :
 MSVOA_N
 ClientSampled :

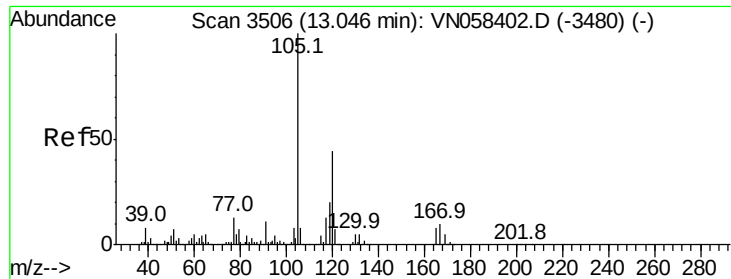
Tot Ion:105 Resp: 4419
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.5 70.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.672 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN058579.D
 Acq: 7 Oct 2019 20:05

Tgt Ion: 75 Resp: 166446
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.4 128.0#
 89 0.0 35.0 52.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.324 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

Instrument :

MSVOA_N

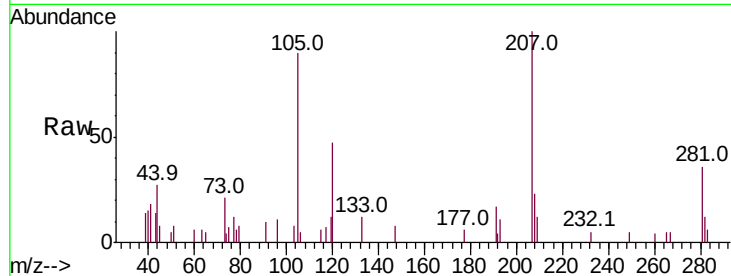
ClientSampleId :

Tot Ion:105 Resp: 5254

Ion Ratio Lower Upper

105 100

120 46.3 21.7 65.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.05

3000

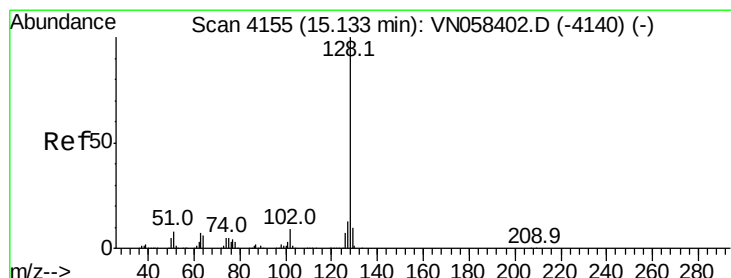
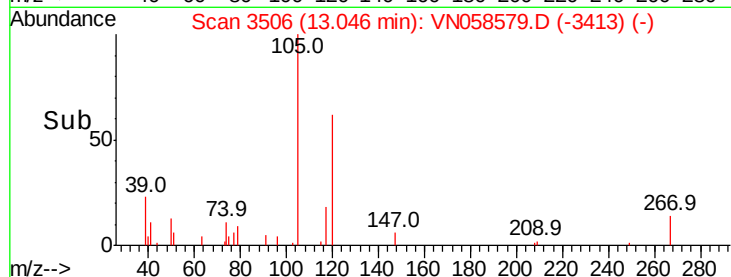
2000

1000

0

Time-->

13.00 13.05 13.10



#95

Naphthalene

Concen: 0.885 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058579.D

Acq: 7 Oct 2019 20:05

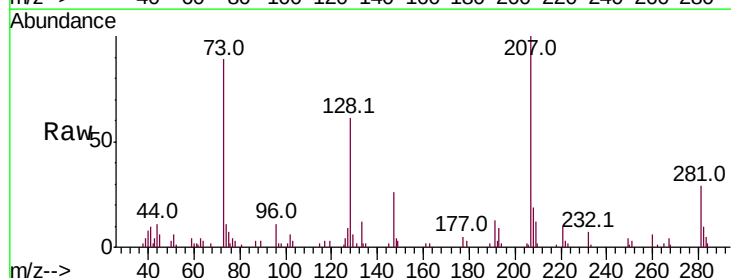
Tgt Ion:128 Resp: 11693

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 9.3 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

8000

6000

4000

2000

0

Time-->

15.10 15.15 15.20

