

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059317.D
 Acq On : 20 Nov 2019 10:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 06:14:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 06:09:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	332378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	514972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	461522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	222047	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	180430	45.24	ug/l	0.00
Spiked Amount						
			Recovery	=	90.48%	
35) Dibromofluoromethane	7.57	113	151003	48.88	ug/l	0.00
Spiked Amount						
			Recovery	=	97.76%	
50) Toluene-d8	10.08	98	553161	45.04	ug/l	0.00
Spiked Amount						
			Recovery	=	90.08%	
62) 4-Bromofluorobenzene	12.40	95	209715	48.83	ug/l	0.00
Spiked Amount						
			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	279099	65.591	ug/l	99
3) Chloromethane	2.04	50	316670	60.748	ug/l	100
4) Vinyl Chloride	2.17	62	336807	62.755	ug/l	100
5) Bromomethane	2.54	94	176721	59.673	ug/l	99
6) Chloroethane	2.68	64	168103	57.390	ug/l	99
7) Trichlorofluoromethane	3.00	101	329761	57.057	ug/l	99
8) Diethyl Ether	3.38	74	140833	59.605	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	210613	59.595	ug/l	99
10) Methyl Iodide	3.92	142	270025	61.479	ug/l	100
11) Tert butyl alcohol	4.74	59	235411	294.834	ug/l	99
12) 1,1-Dichloroethene	3.71	96	207653	57.886	ug/l	98
13) Acrolein	3.58	56	67148	92.127	ug/l	98
14) Allyl chloride	4.29	41	397506	59.316	ug/l	100
15) Acrylonitrile	4.95	53	615094	291.360	ug/l	100
16) Acetone	3.79	43	635369	355.324	ug/l	100
17) Carbon Disulfide	4.02	76	657424	58.452	ug/l	100
18) Methyl Acetate	4.29	43	347366	58.535	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	703415	60.710	ug/l	99
20) Methylene Chloride	4.52	84	234982	58.266	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	223270	58.726	ug/l	96
22) Diisopropyl ether	5.92	45	769765	61.007	ug/l	99
23) Vinyl Acetate	5.86	43	3071972	309.607	ug/l	100
24) 1,1-Dichloroethane	5.82	63	430407	60.603	ug/l	99
25) 2-Butanone	6.81	43	870841	313.191	ug/l	100
26) 2,2-Dichloropropane	6.80	77	365855	59.492	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	253437	59.083	ug/l	100
28) Bromochloromethane	7.17	49	84152	30.072	ug/l	100
29) Tetrahydrofuran	7.18	42	559664	291.090	ug/l	100
30) Chloroform	7.35	83	406743	59.044	ug/l	99
31) Cyclohexane	7.63	56	400796	57.076	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	348506	58.854	ug/l	99
36) 1,1-Dichloropropene	7.77	75	325426	61.213	ug/l	99
37) Ethyl Acetate	6.90	43	339189	59.365	ug/l	99
38) Carbon Tetrachloride	7.75	117	310223	60.955	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	395016	61.618	ug/l	100
40) Benzene	8.02	78	963275	61.735	ug/l	99
41) Methacrylonitrile	7.18	41	484360	190.964	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	315442	61.127	ug/l	100
43) Isopropyl Acetate	8.14	43	539722	61.810	ug/l	100
44) Trichloroethene	8.82	130	240721	60.873	ug/l	100
45) 1,2-Dichloropropane	9.10	63	259199	62.296	ug/l	98
46) Dibromomethane	9.19	93	155838	61.062	ug/l	99
47) Bromodichloromethane	9.39	83	320857	62.776	ug/l	99
48) Methyl methacrylate	9.18	41	246402	62.053	ug/l	99
49) 1,4-Dioxane	9.18	88	80397	1347.171	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1664790	325.726	ug/l	100
52) Toluene	10.15	92	584209	62.268	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	369468	62.184	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	404182	62.690	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	227908	62.477	ug/l	98
56) Ethyl methacrylate	10.42	69	361940	58.365	ug/l	99
57) 1,3-Dichloropropane	10.70	76	397824	62.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	443243	200.929	ug/l	100
59) 2-Hexanone	10.74	43	1252430	334.649	ug/l	100
60) Dibromochloromethane	10.90	129	245300	63.814	ug/l	100
61) 1,2-Dibromoethane	11.00	107	236998	62.440	ug/l	100
64) Tetrachloroethene	10.63	164	211063	59.130	ug/l	99
65) Chlorobenzene	11.43	112	608738	61.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224706	62.329	ug/l	100
67) Ethyl Benzene	11.51	91	1120721	63.251	ug/l	100
68) m/p-Xylenes	11.62	106	838256	127.318	ug/l	100
69) o-Xylene	11.95	106	398680	63.251	ug/l	99
70) Styrene	11.96	104	646393	64.992	ug/l	99
71) Bromoform	12.13	173	175440	64.257	ug/l #	100
73) Isopropylbenzene	12.25	105	1077499	59.237	ug/l	99
74) N-amyl acetate	12.07	43	445005	60.874	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	343117	57.023	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	455470	88.788	ug/l #	100
77) Bromobenzene	12.53	156	253143	57.377	ug/l	98
78) n-propylbenzene	12.59	91	1261562	61.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	742651	58.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	919418	60.128	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	127057	61.949	ug/l	96
82) 4-Chlorotoluene	12.77	91	763276	58.322	ug/l	100
83) tert-Butylbenzene	12.99	119	772165	59.792	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	899466	60.050	ug/l	99
85) sec-Butylbenzene	13.17	105	1037049	59.747	ug/l	100
86) p-Isopropyltoluene	13.29	119	947846	61.367	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	455610	57.988	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	451283	58.052	ug/l	99
89) n-Butylbenzene	13.62	91	834011	61.553	ug/l	99
90) Hexachloroethane	13.88	117	171334	58.573	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	443519	58.345	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68754	53.744	ug/l	99

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QLast Update : Thu Nov 21 06:09:11 2019
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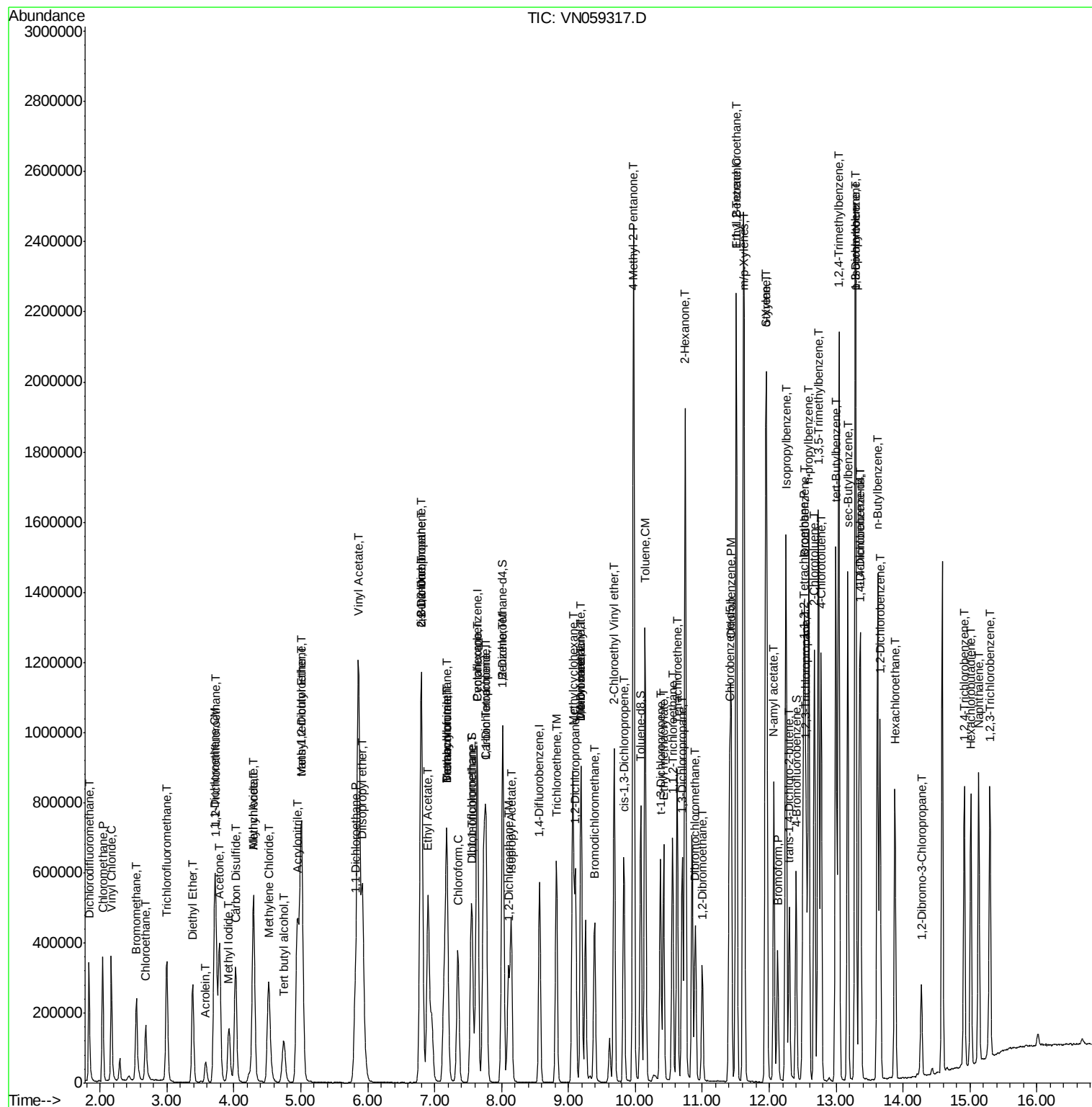
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	259100	54.519	ug/l	99
94) Hexachlorobutadiene	15.01	225	154763	56.508	ug/l	99
95) Naphthalene	15.13	128	681542	51.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	249527	53.628	ug/l	99

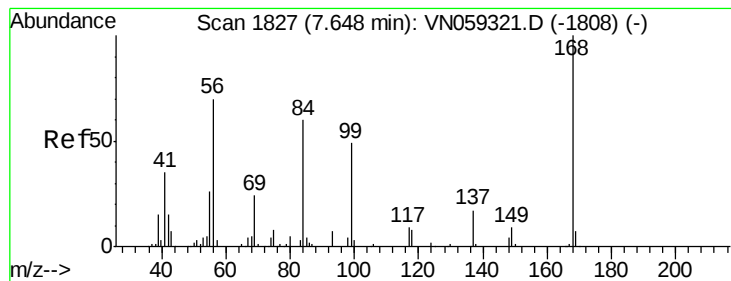
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

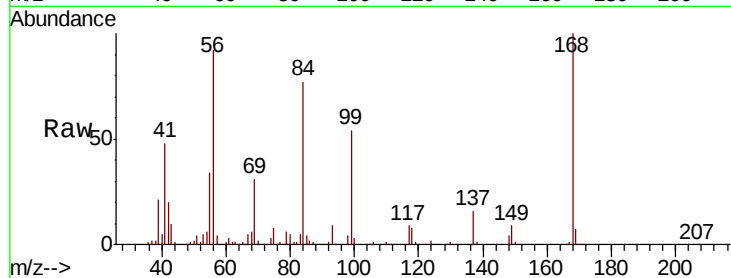
ClientSampleId :

Tot Ion:168 Resp: 332378

Ion Ratio Lower Upper

168 100

99 53.5 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

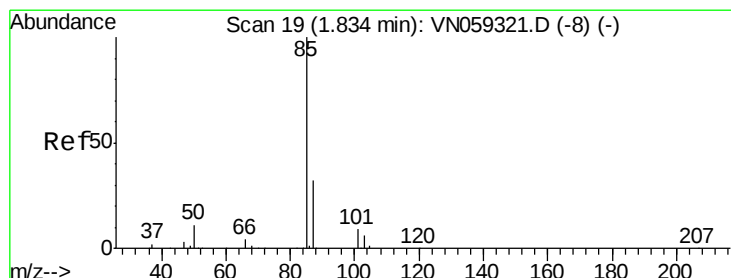
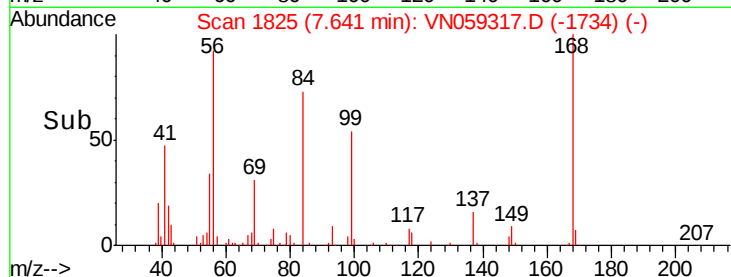
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 65.591 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059317.D

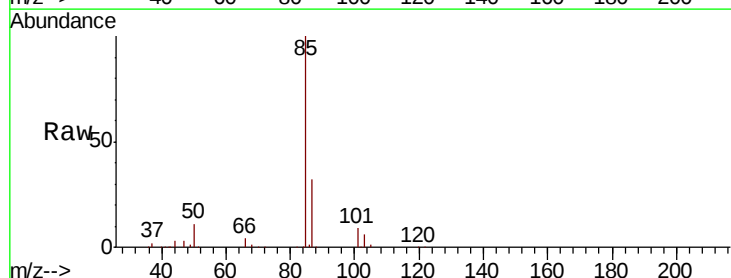
Acq: 20 Nov 2019 10:41

Tgt Ion: 85 Resp: 279099

Ion Ratio Lower Upper

85 100

87 31.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

200000

150000

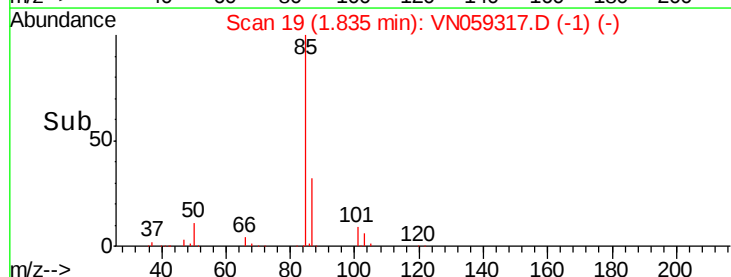
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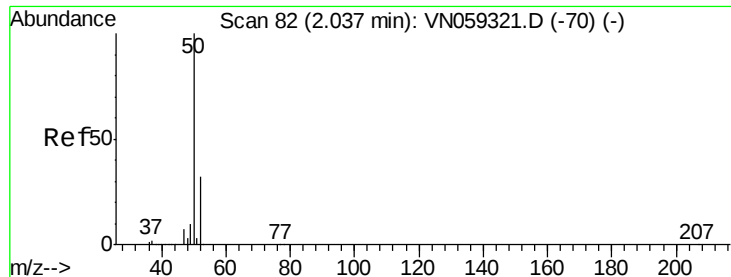
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 60.748 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

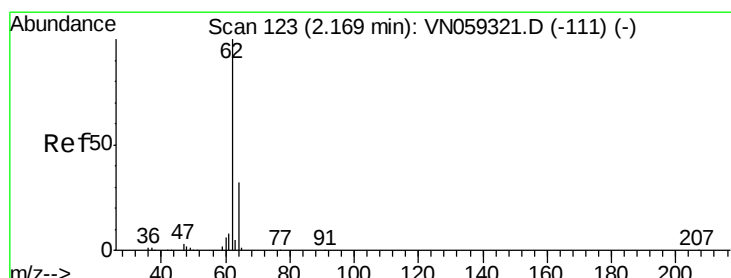
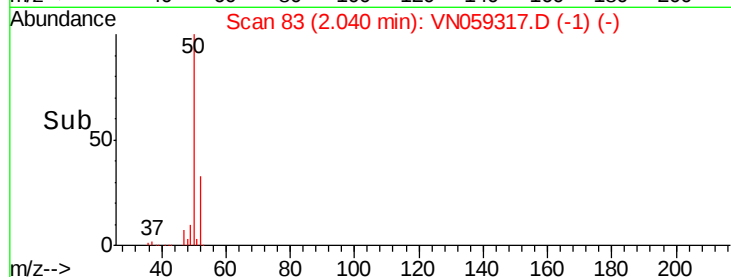
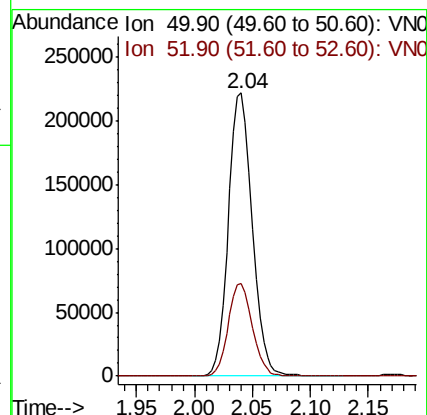
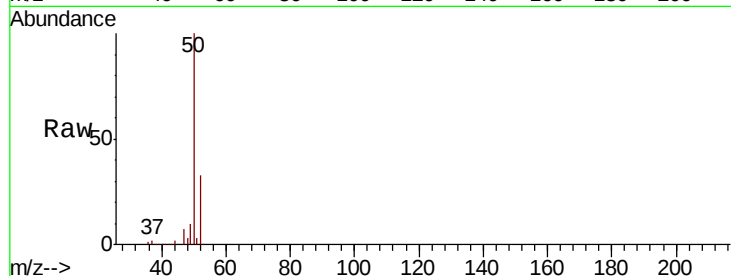
ClientSampleId :

Tot Ion: 50 Resp: 316670

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 62.755 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059317.D

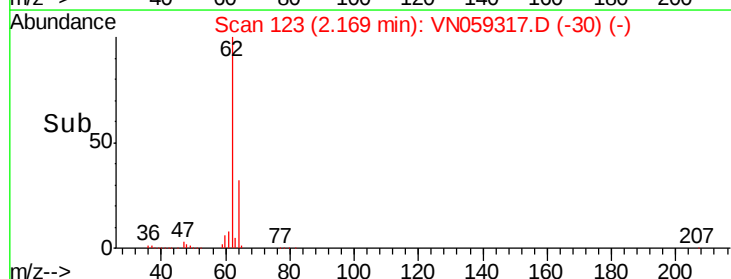
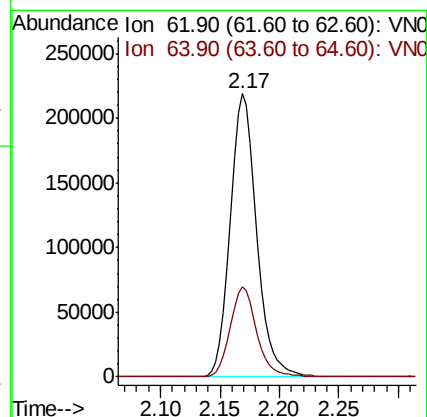
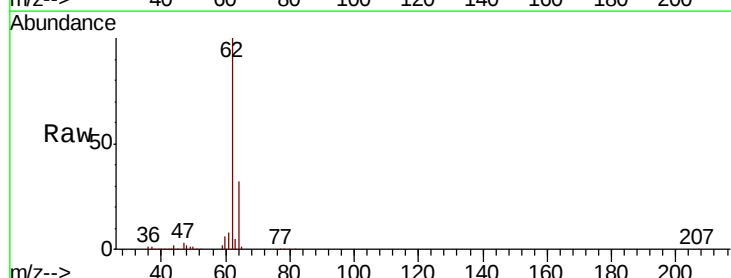
Acq: 20 Nov 2019 10:41

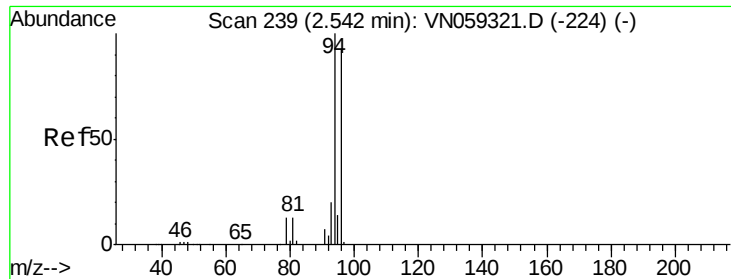
Tgt Ion: 62 Resp: 336807

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 59.673 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

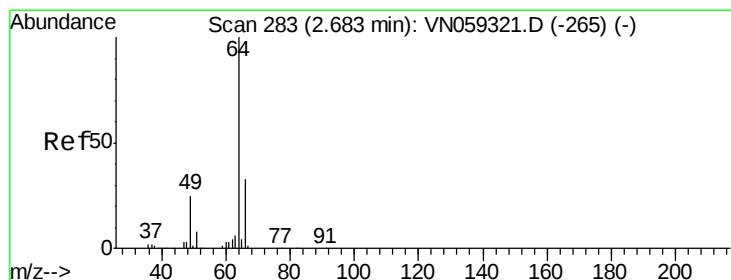
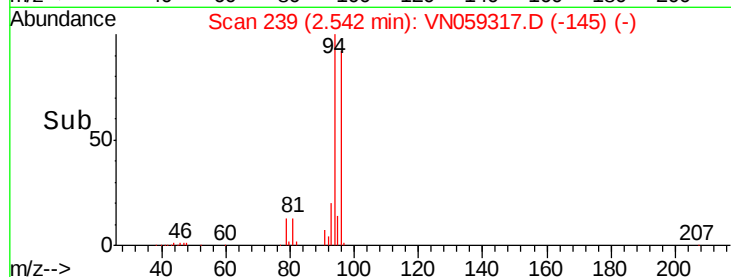
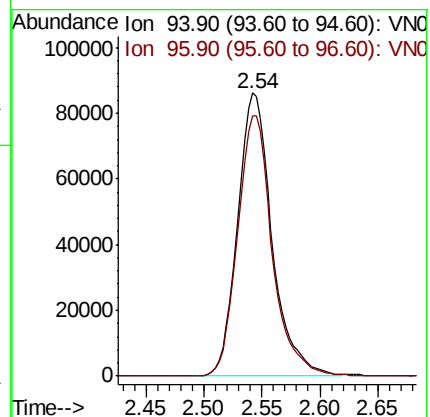
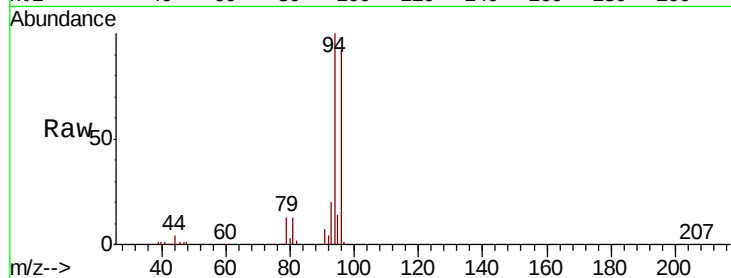
ClientSampleId :

Tot Ion: 94 Resp: 176721

Ion Ratio Lower Upper

94 100

96 92.1 74.5 111.7



#6

Chloroethane

Concen: 57.390 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059317.D

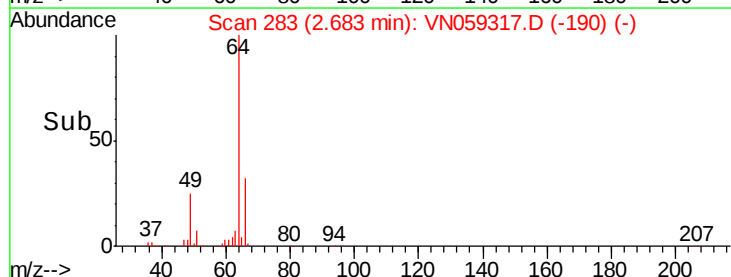
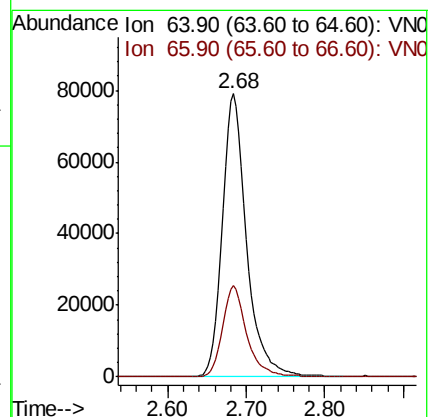
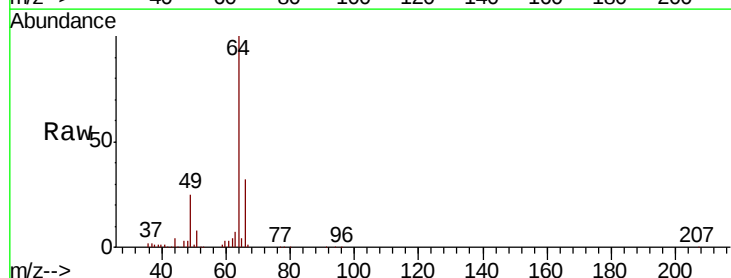
Acq: 20 Nov 2019 10:41

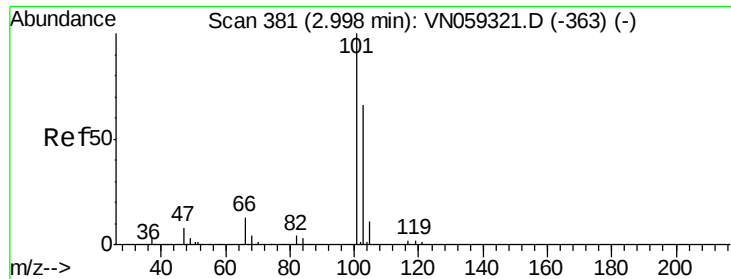
Tgt Ion: 64 Resp: 168103

Ion Ratio Lower Upper

64 100

66 32.1 26.2 39.2



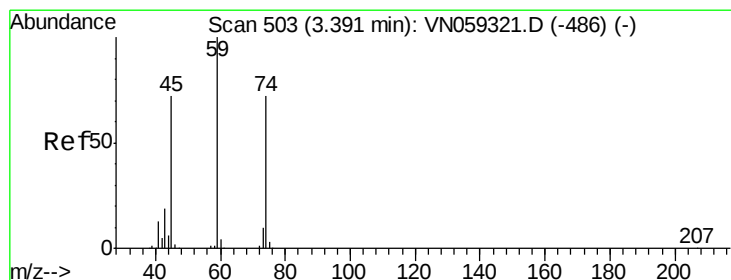
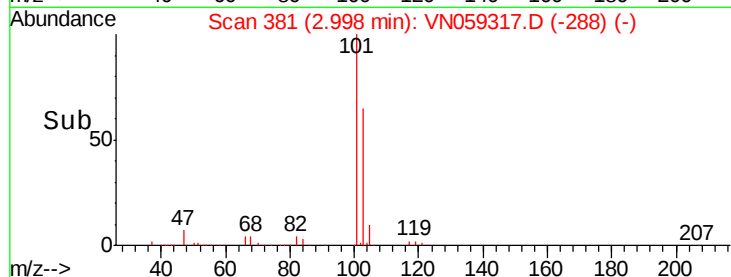
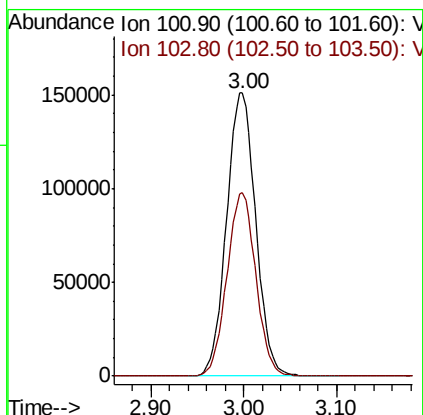
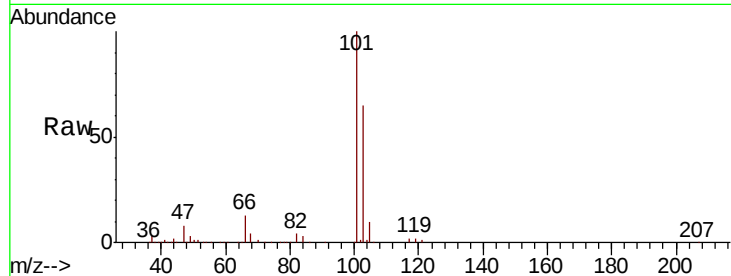


#7

Trichlorofluoromethane
 Concen: 57.057 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampled :

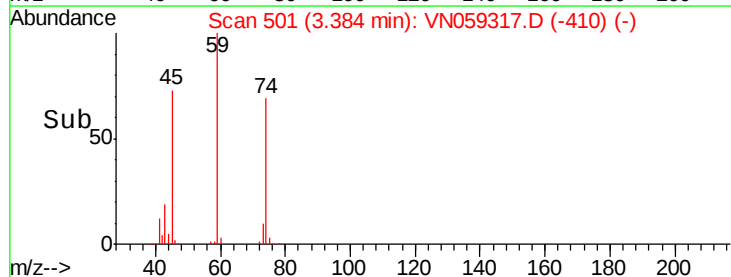
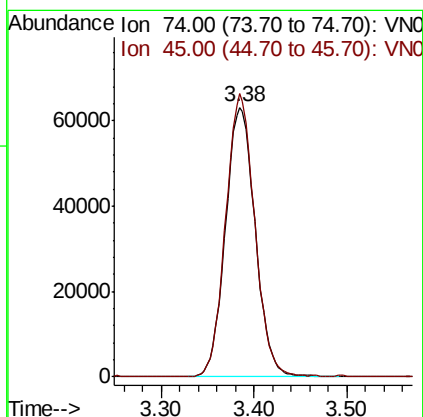
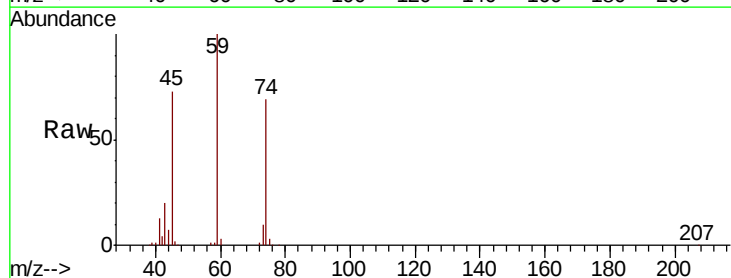
Tot Ion:101 Resp: 329761
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.5 78.7

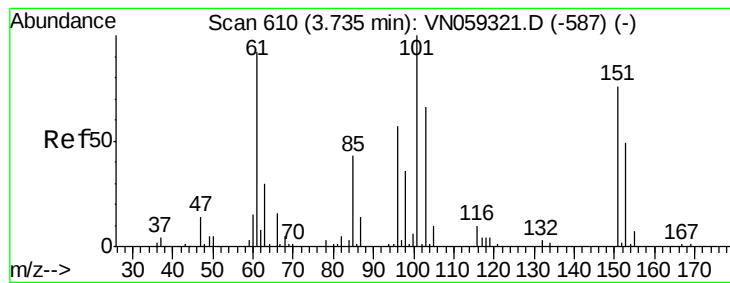


#8

Diethyl Ether
 Concen: 59.605 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion: 74 Resp: 140833
 Ion Ratio Lower Upper
 74 100
 45 102.3 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.595 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampled :

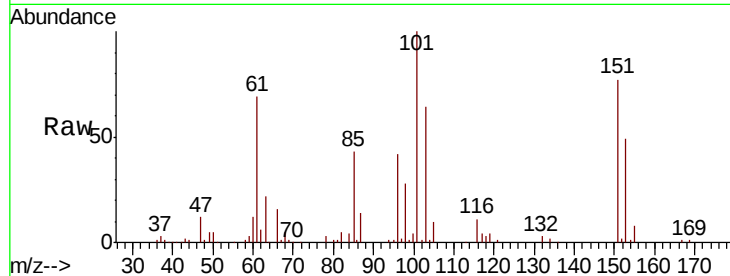
Tot Ion:101 Resp: 210613

Ion Ratio Lower Upper

101 100

85 43.3 34.8 52.2

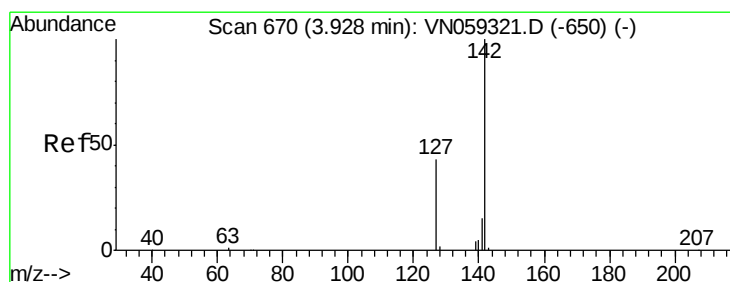
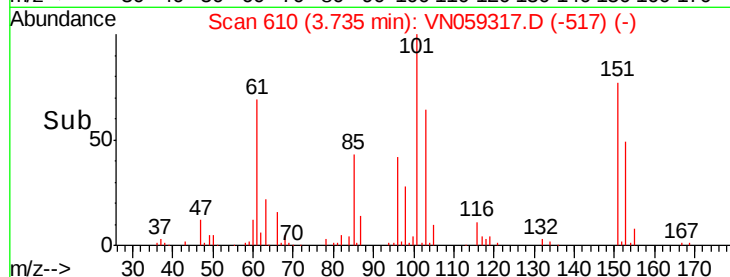
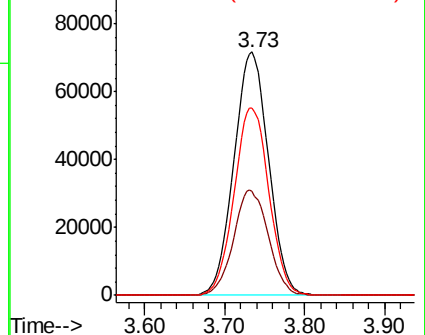
151 77.1 62.2 93.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 61.479 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

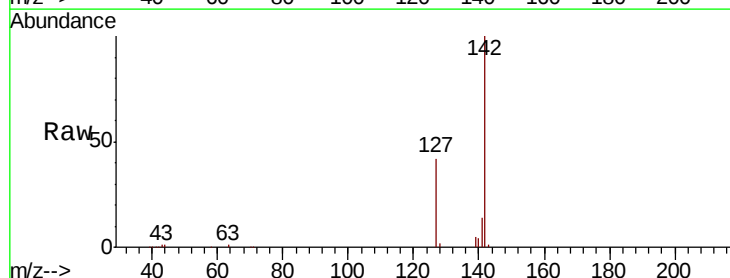
Tgt Ion:142 Resp: 270025

Ion Ratio Lower Upper

142 100

127 42.1 33.8 50.6

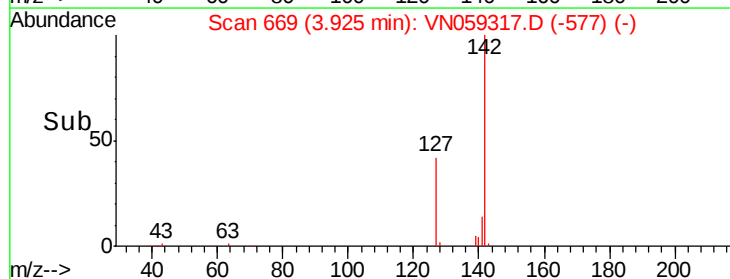
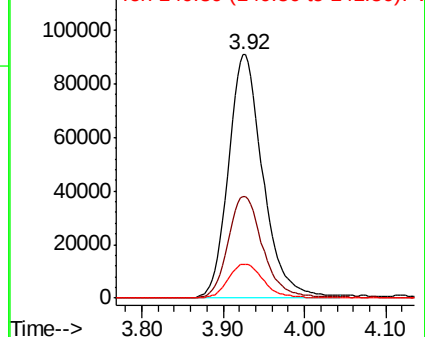
141 14.3 11.2 16.8

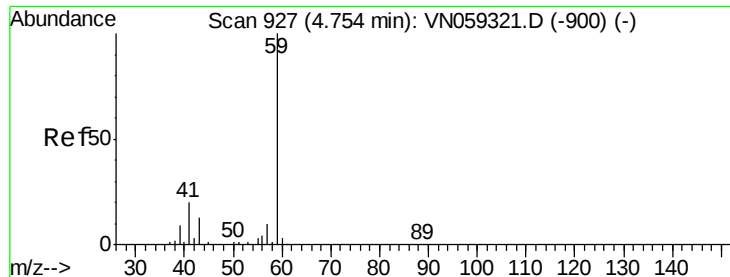


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

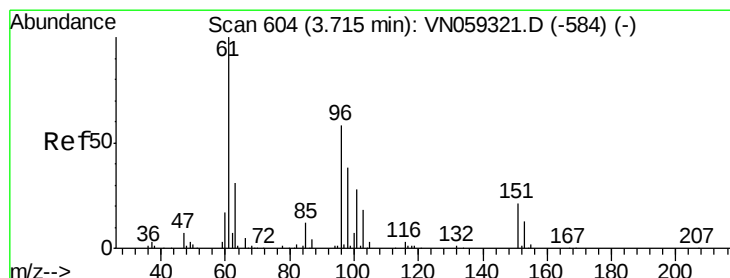
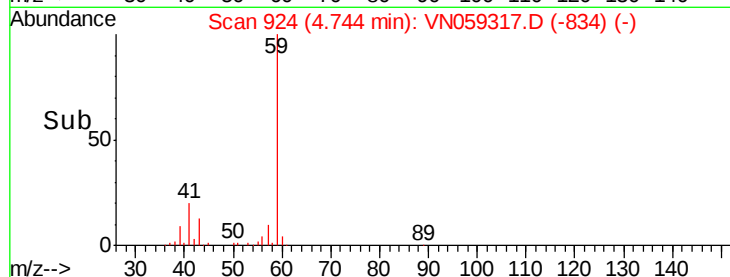
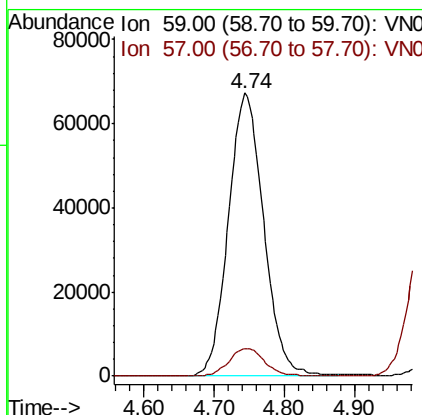
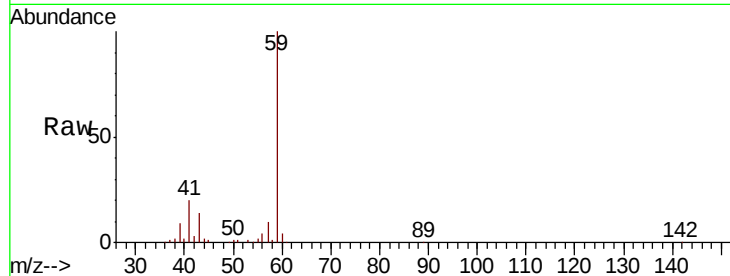




#11
Tert butyl alcohol
Concen: 294.834 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

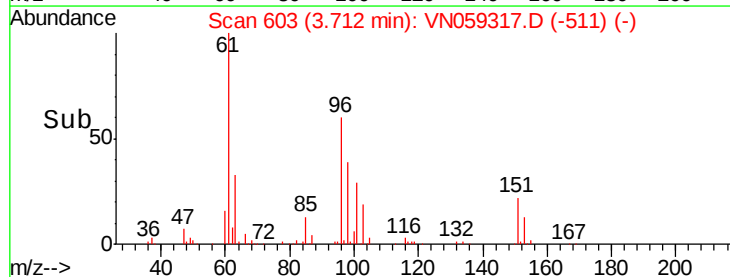
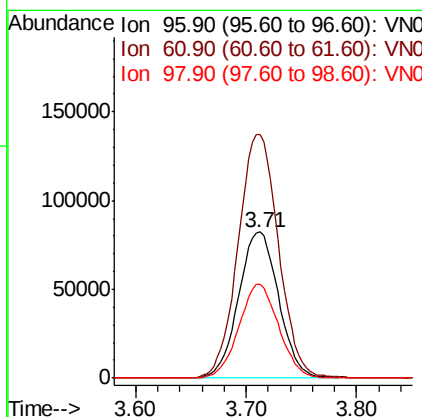
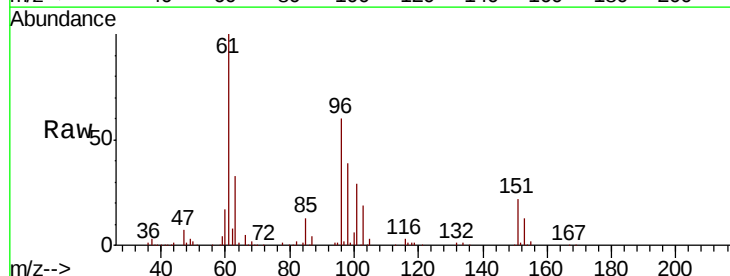
Instrument :
MSVOA_N
ClientSampled :

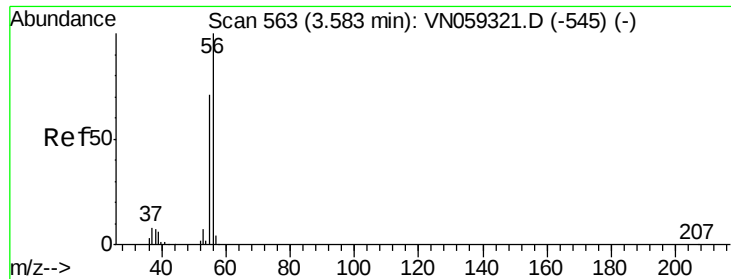
Tot Ion: 59 Resp: 235411
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.2



#12
1,1-Dichloroethene
Concen: 57.886 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 96 Resp: 207653
Ion Ratio Lower Upper
96 100
61 166.4 136.8 205.2
98 64.4 51.6 77.4





#13

Acrolein

Concen: 92.127 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

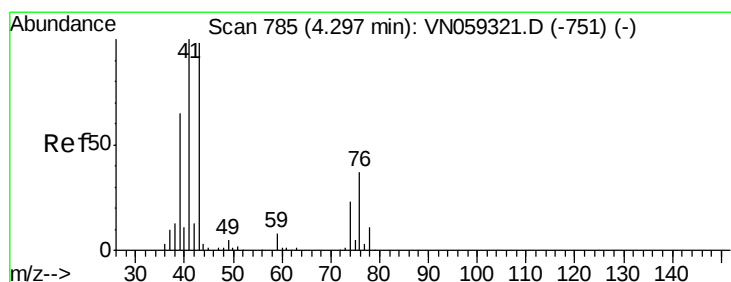
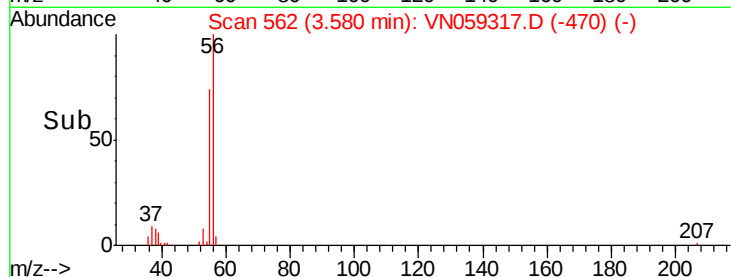
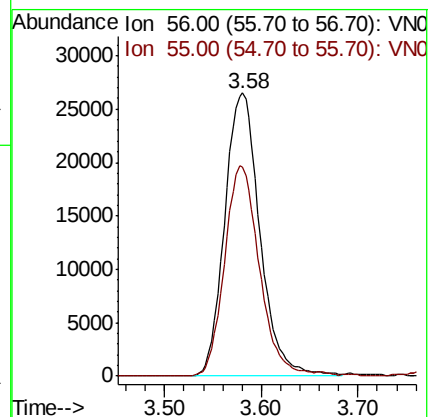
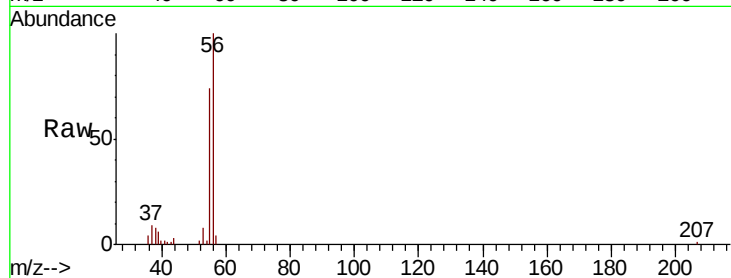
ClientSampled :

Tot Ion: 56 Resp: 67148

Ion Ratio Lower Upper

56 100

55 73.3 57.4 86.0



#14

Allyl chloride

Concen: 59.316 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

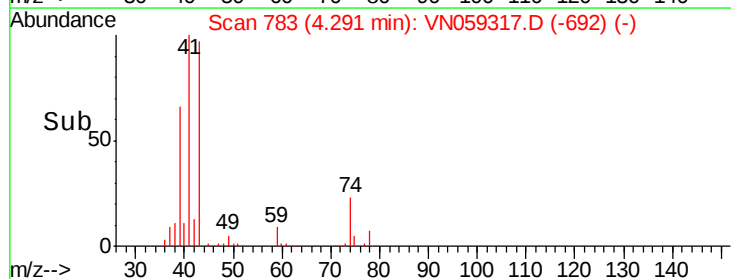
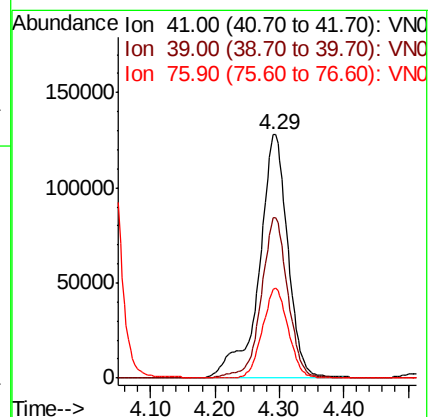
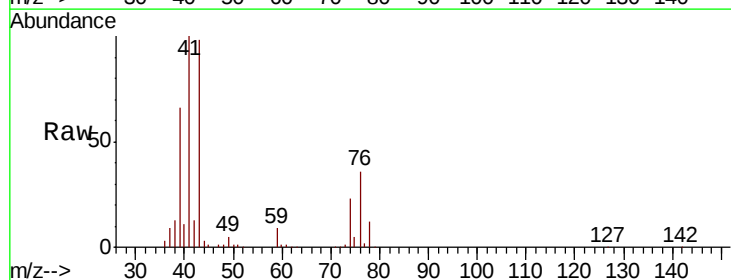
Tgt Ion: 41 Resp: 397506

Ion Ratio Lower Upper

41 100

39 60.9 48.4 72.6

76 32.7 26.2 39.4





#15

Acrylonitrile

Concen: 291.360 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampled :

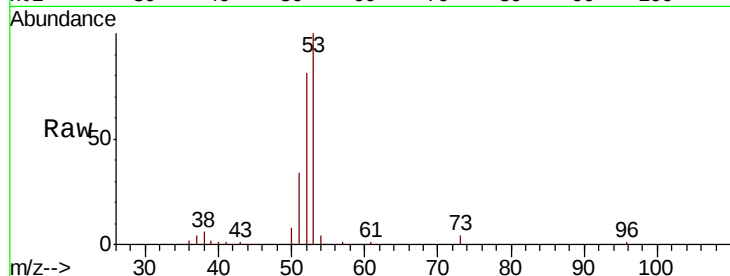
Tot Ion: 53 Resp: 615094

Ion Ratio Lower Upper

53 100

52 82.3 65.8 98.8

51 35.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN059317.D (-897) (-)

Ion 52.00 (51.70 to 52.70): VN059317.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VN059317.D (-897) (-)

4.95

250000

200000

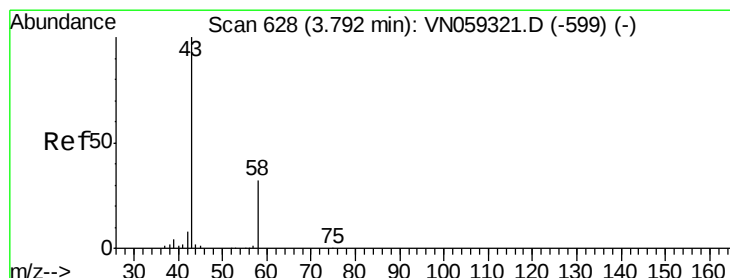
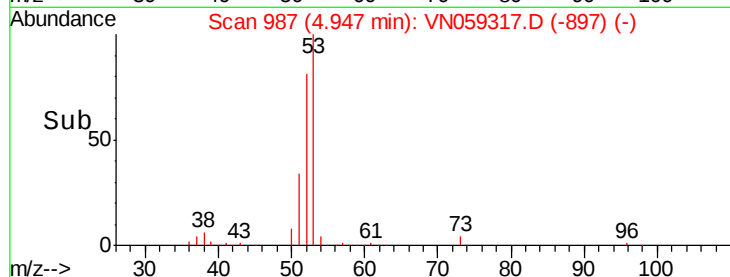
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 355.324 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN059317.D

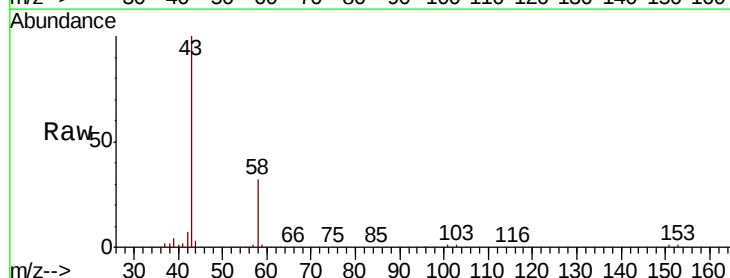
Acq: 20 Nov 2019 10:41

Tgt Ion: 43 Resp: 635369

Ion Ratio Lower Upper

43 100

58 32.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VN059317.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN059317.D (-535) (-)

3.79

250000

200000

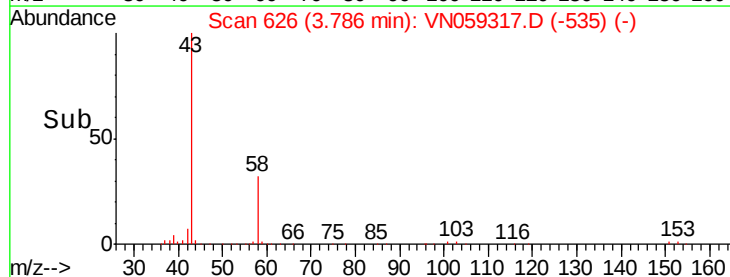
150000

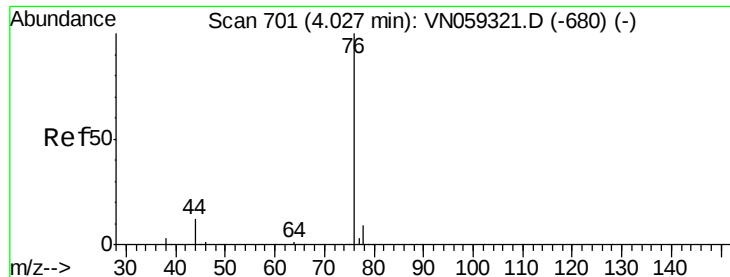
100000

50000

0

Time-->

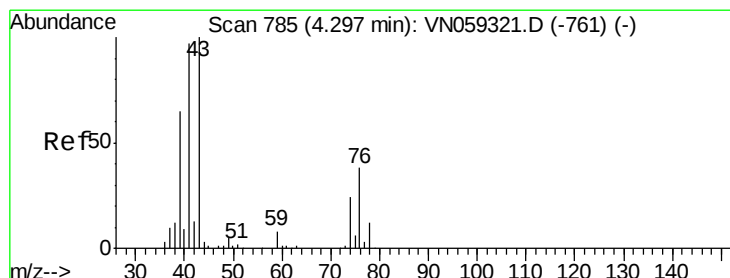
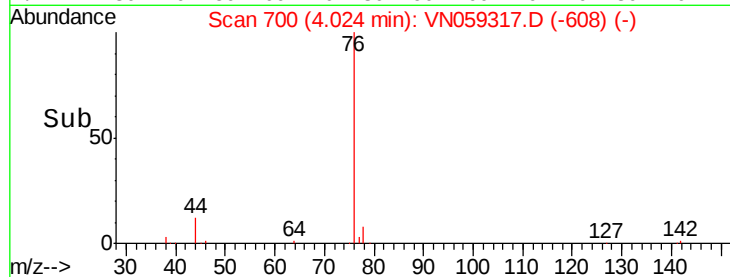
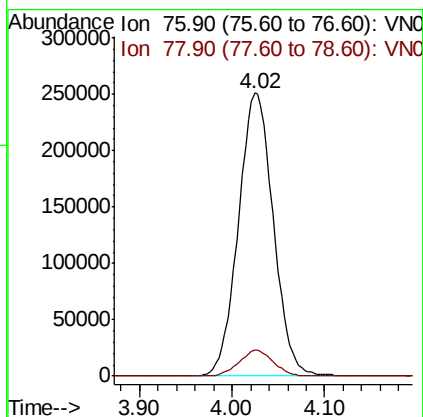
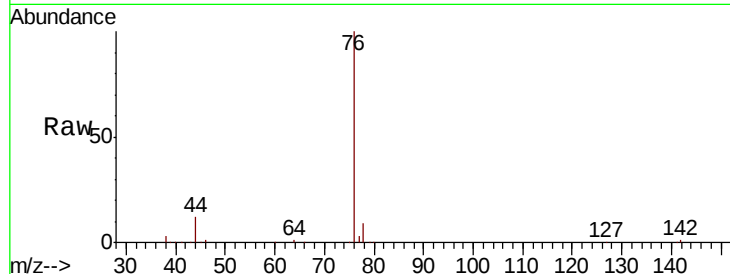




#17
Carbon Disulfide
Concen: 58.452 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

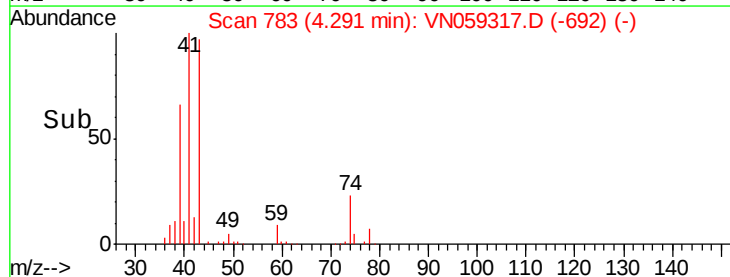
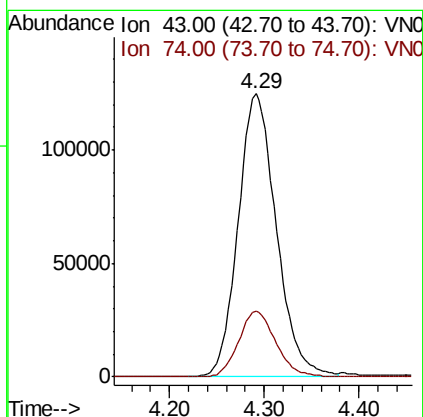
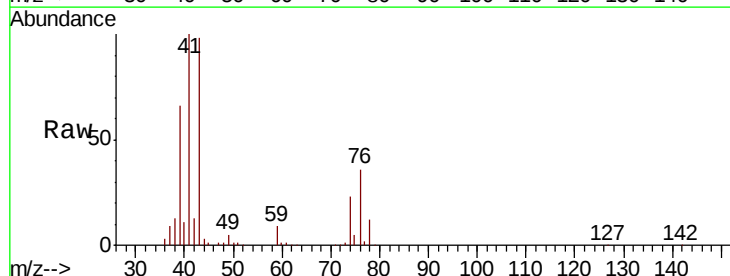
Instrument :
MSVOA_N
ClientSampleId :

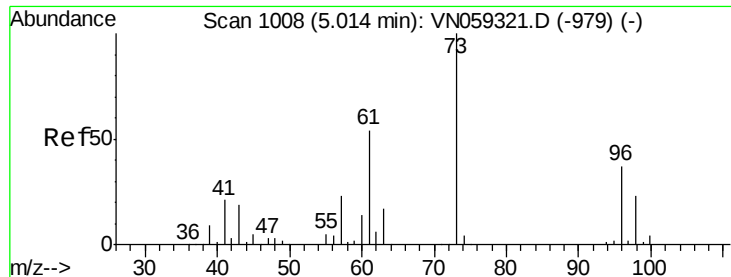
Tot Ion: 76 Resp: 657424
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 58.535 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 43 Resp: 347366
Ion Ratio Lower Upper
43 100
74 23.0 18.1 27.1

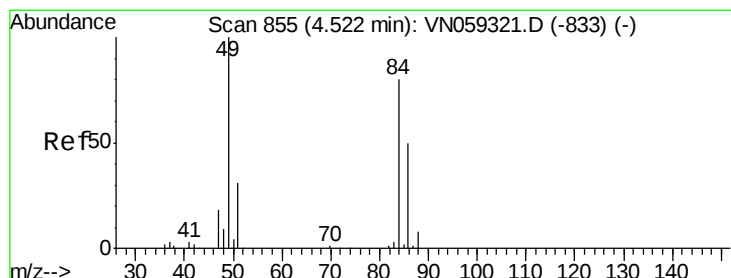
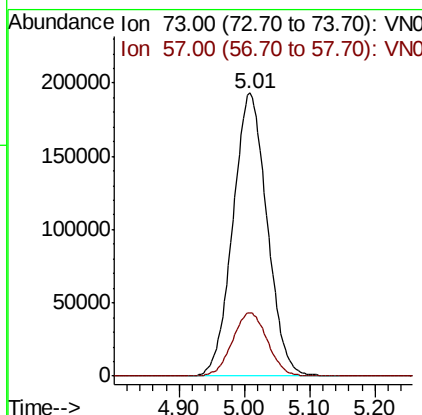
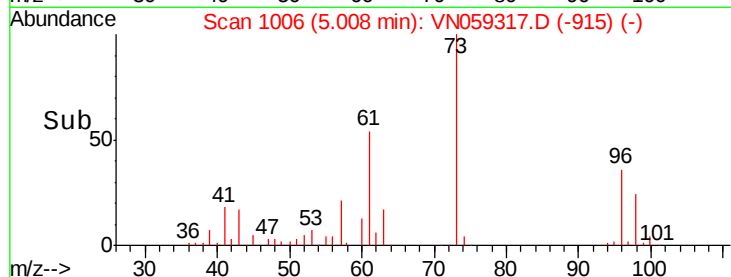
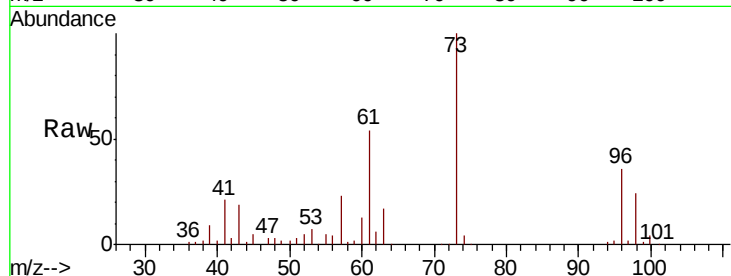




#19
Methvl tert-butvl Ether
Concen: 60.710 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

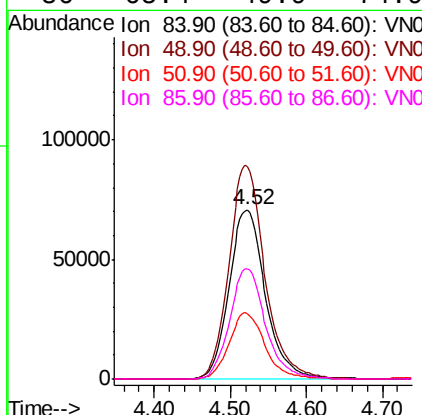
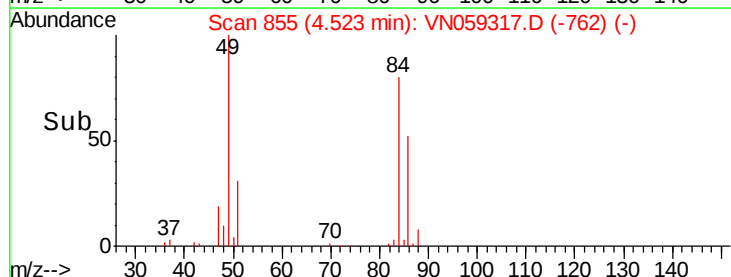
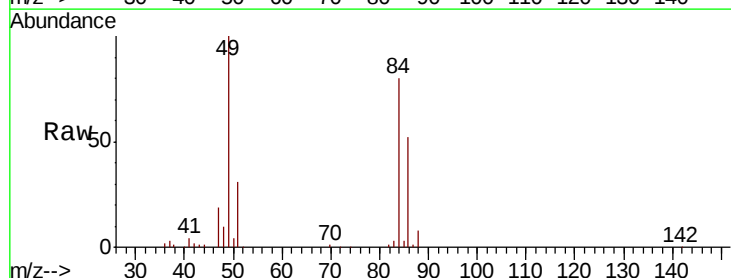
Instrument :
MSVOA_N
ClientSampled :

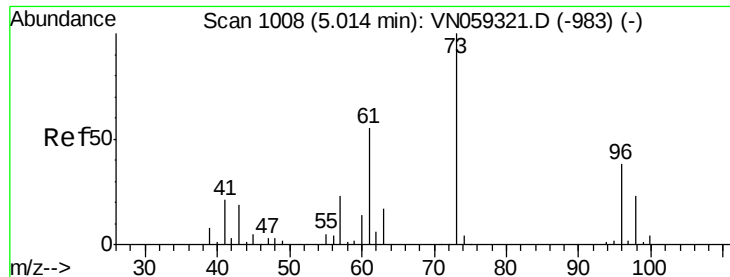
Tot Ion: 73 Resp: 703415
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6



#20
Methylene Chloride
Concen: 58.266 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 84 Resp: 234982
Ion Ratio Lower Upper
84 100
49 125.6 99.5 149.3
51 38.9 31.1 46.7
86 65.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 58.726 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampled :

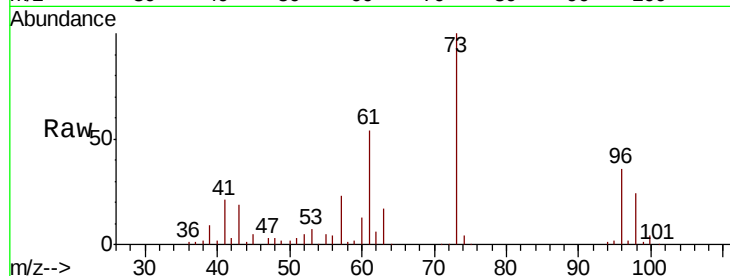
Tot Ion: 96 Resp: 223270

Ion Ratio Lower Upper

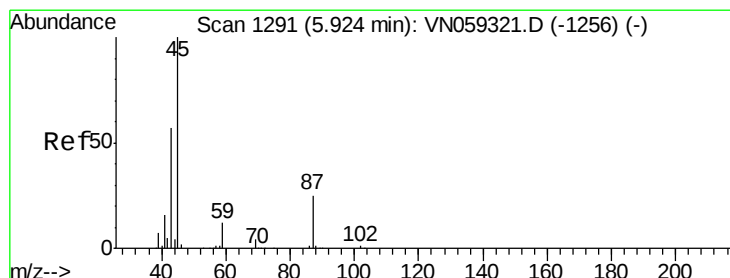
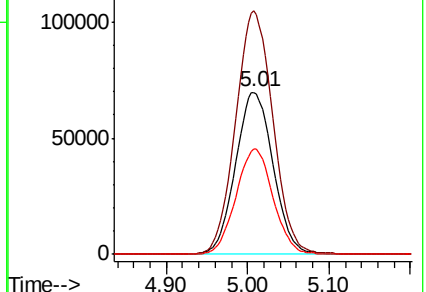
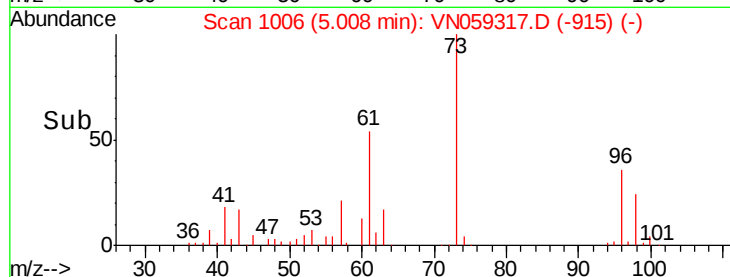
96 100

61 150.1 116.4 174.6

98 65.1 49.6 74.4



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



#22

Diisopropyl ether

Concen: 61.007 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion: 45 Resp: 769765

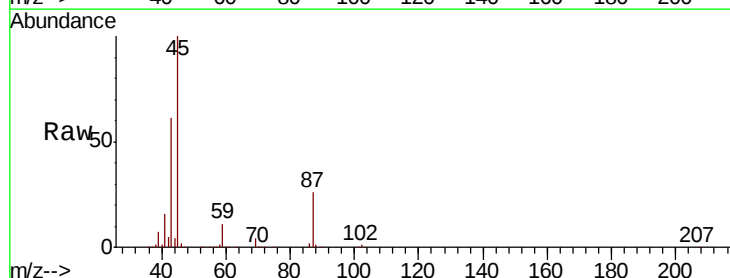
Ion Ratio Lower Upper

45 100

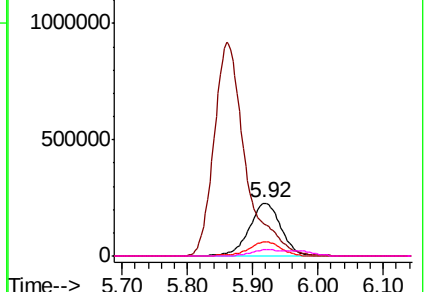
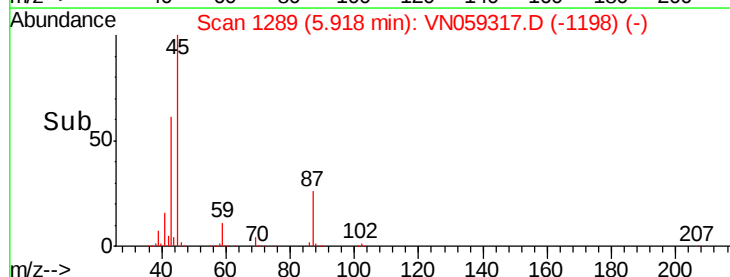
43 60.3 47.6 71.4

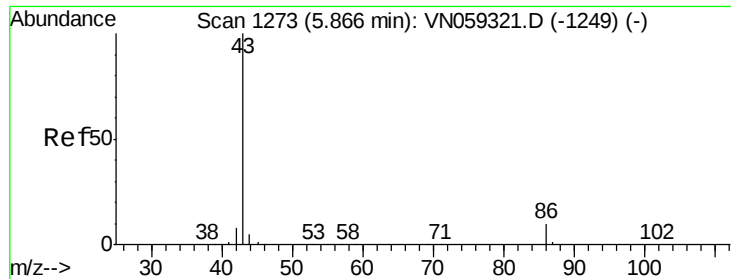
87 26.4 20.7 31.1

59 11.3 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

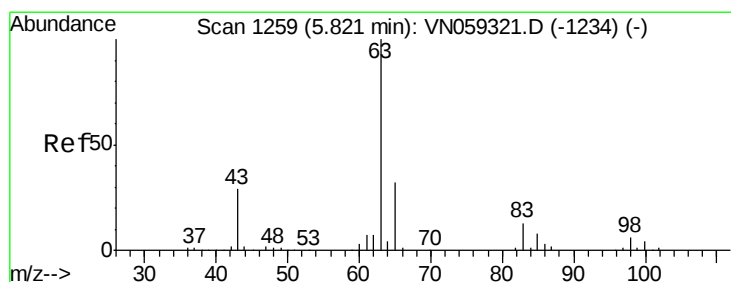
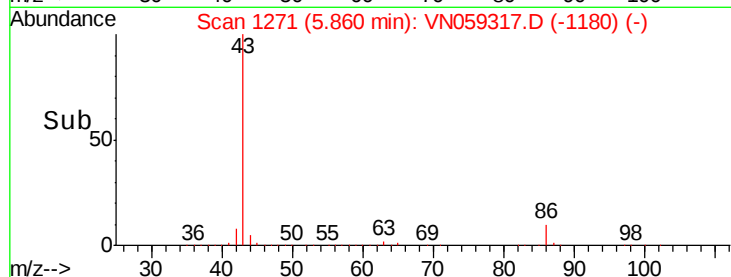
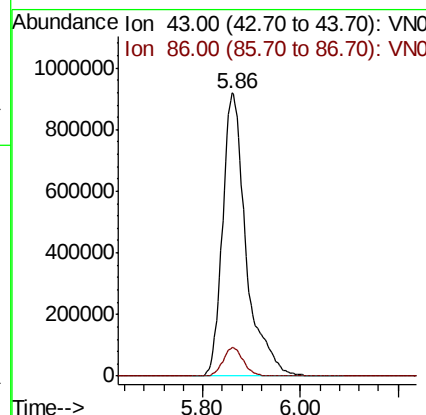
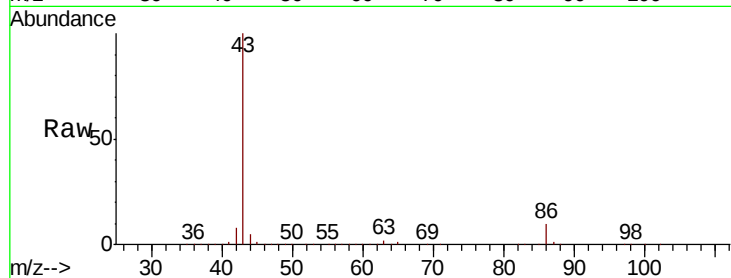




#23
 Vinyl Acetate
 Concen: 309.607 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

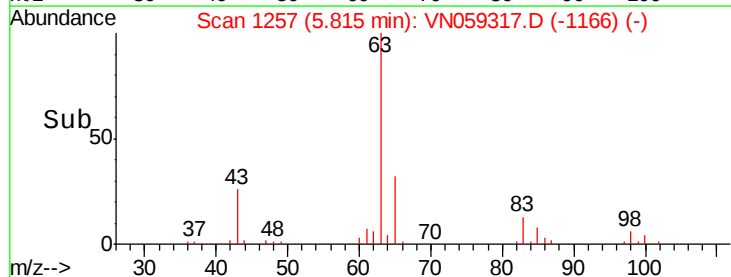
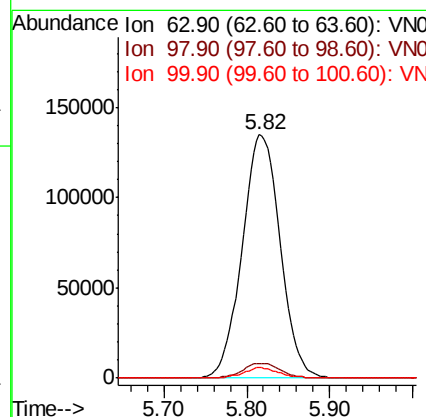
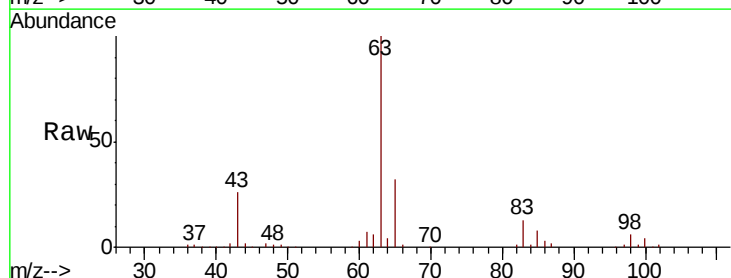
Instrument :
 MSVOA_N
 ClientSampled :

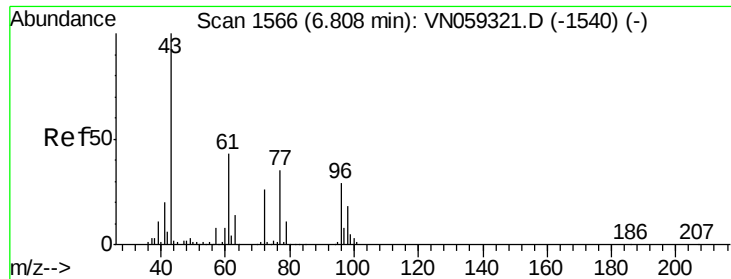
Tot Ion: 43 Resp: 3071972
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 60.603 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion: 63 Resp: 430407
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.2 1.9 5.7





#25

2-Butanone

Concen: 313.191 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

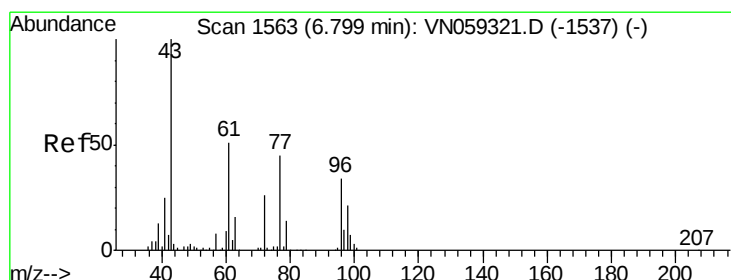
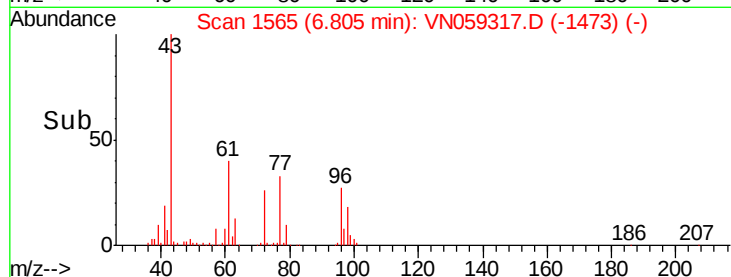
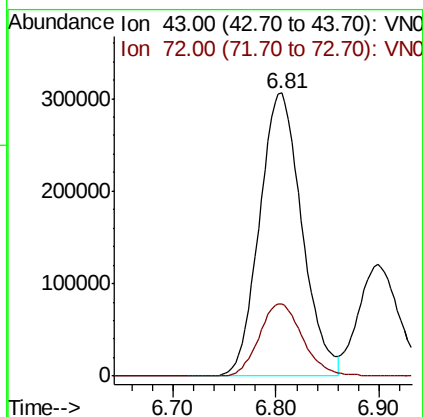
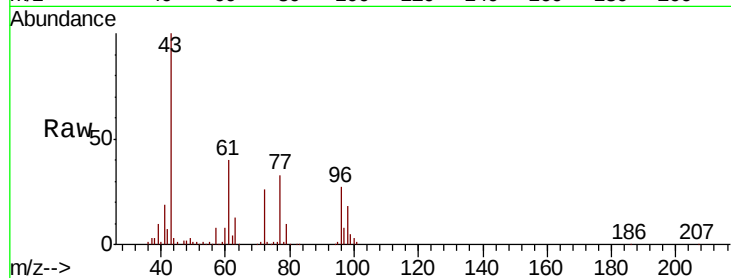
ClientSampled :

Tot Ion: 43 Resp: 870841

Ion Ratio Lower Upper

43 100

72 25.6 20.5 30.7



#26

2,2-Dichloropropane

Concen: 59.492 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059317.D

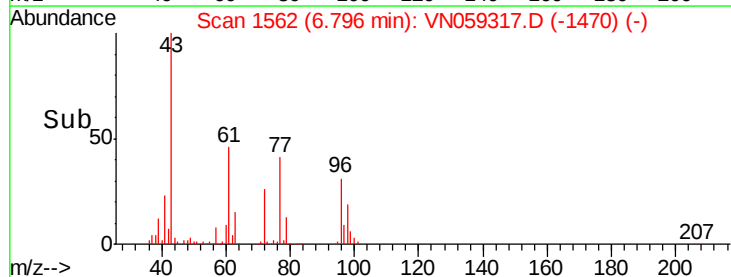
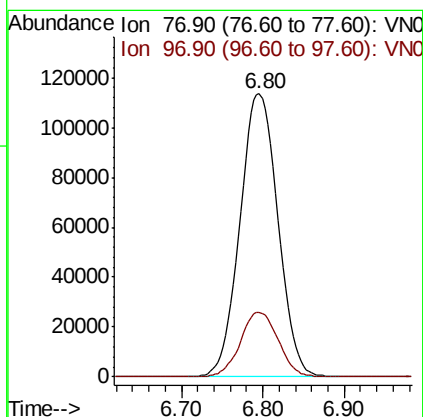
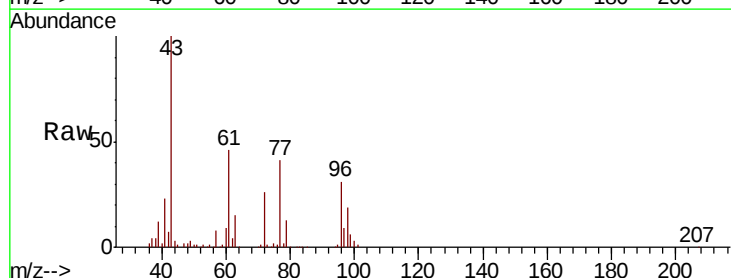
Acq: 20 Nov 2019 10:41

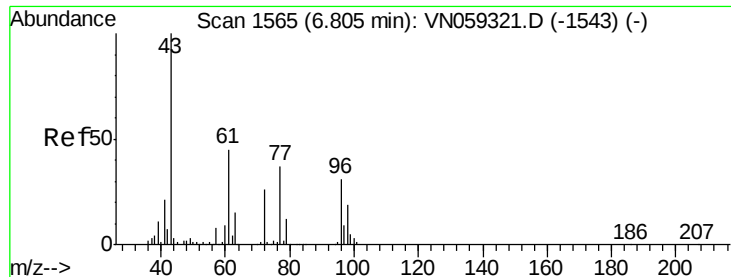
Tgt Ion: 77 Resp: 365855

Ion Ratio Lower Upper

77 100

97 22.9 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 59.083 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :

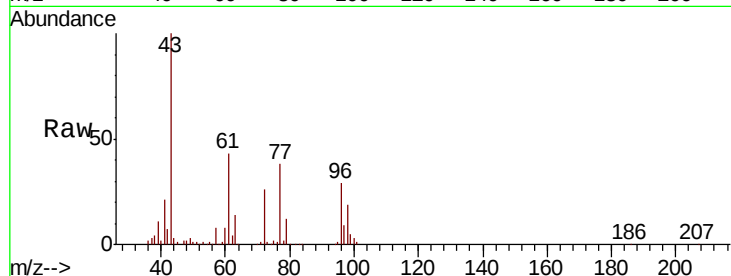
Tot Ion: 96 Resp: 253437

Ion Ratio Lower Upper

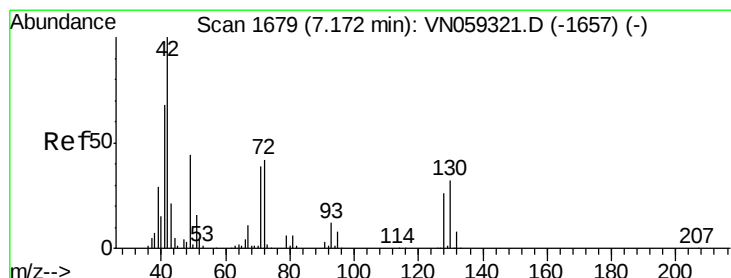
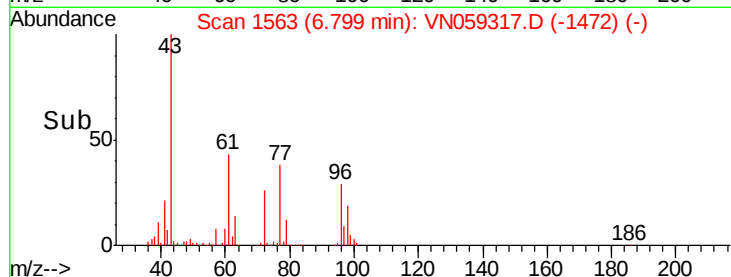
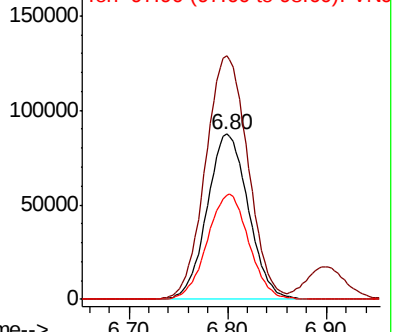
96 100

61 151.8 0.0 304.0

98 64.2 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



#28

Bromochloromethane

Concen: 30.072 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

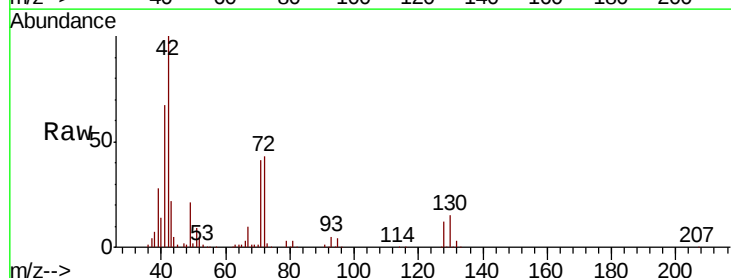
Tgt Ion: 49 Resp: 84152

Ion Ratio Lower Upper

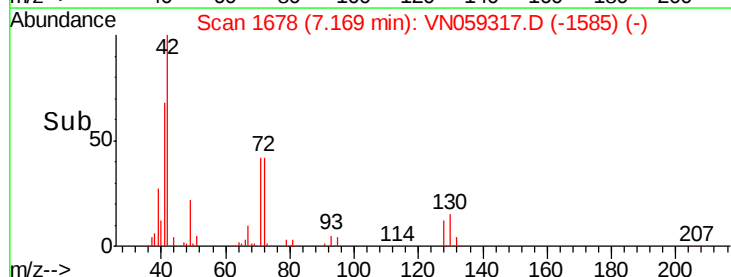
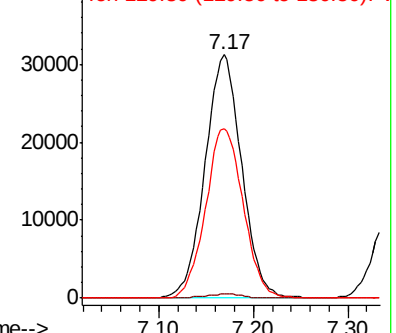
49 100

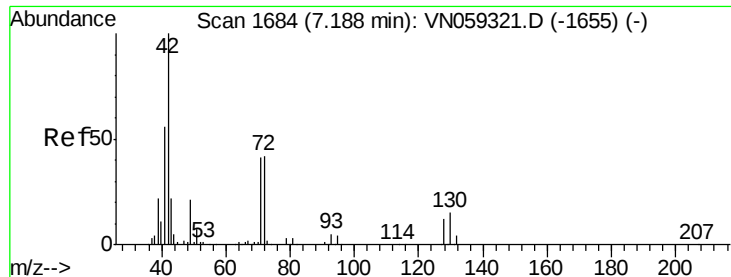
129 1.6 0.0 3.8

130 71.2 57.0 85.6



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

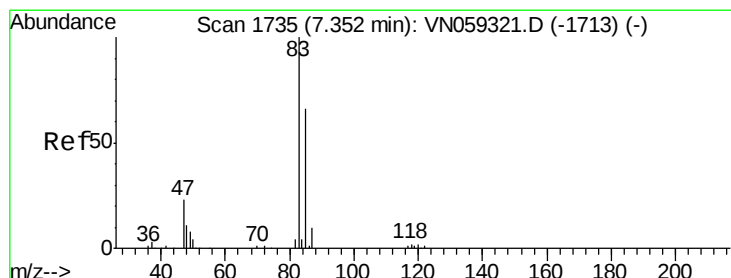
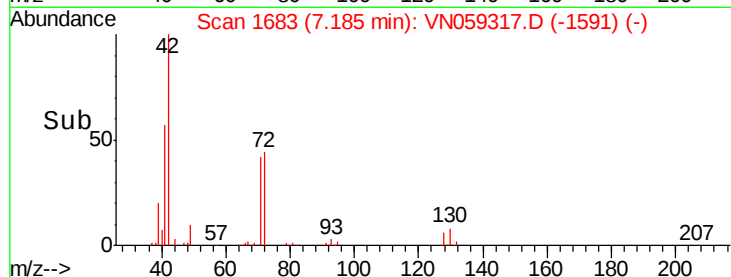
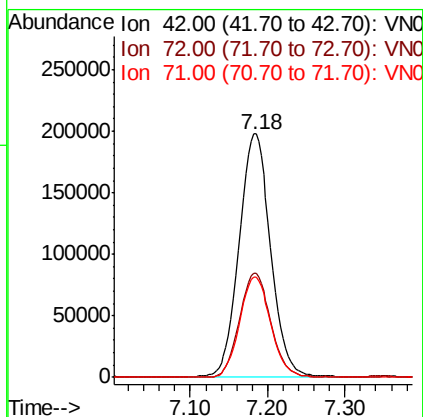
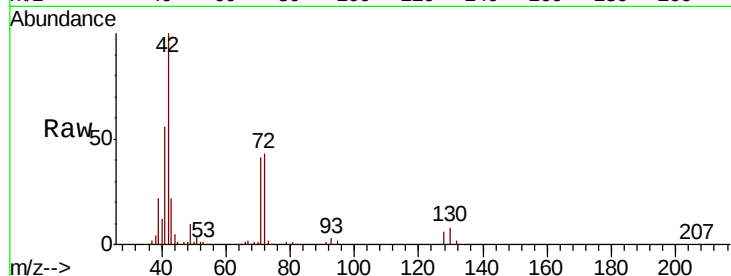




#29
Tetrahydrofuran
Concen: 291.090 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

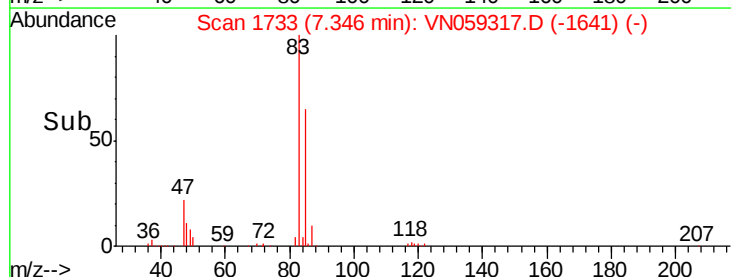
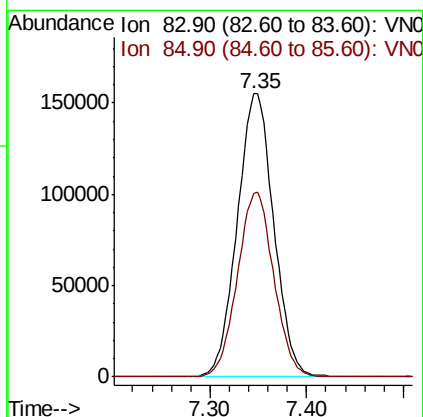
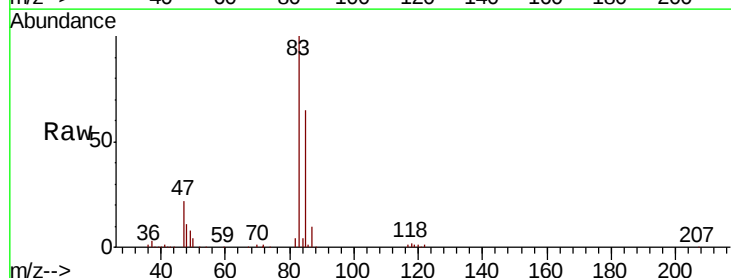
Instrument :
MSVOA_N
ClientSampled :

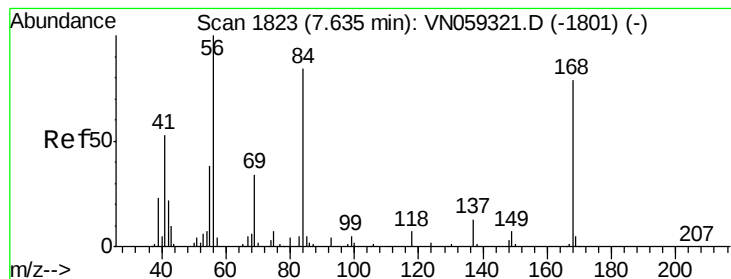
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.2	51.2
71	40.8	32.6	48.8



#30
Chloroform
Concen: 59.044 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.7	79.1





#31

Cyclohexane

Concen: 57.076 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :

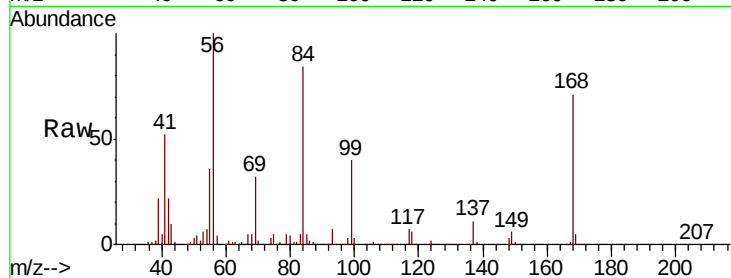
Tot Ion: 56 Resp: 400796

Ion Ratio Lower Upper

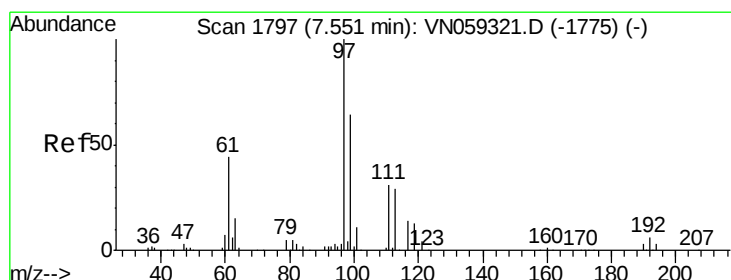
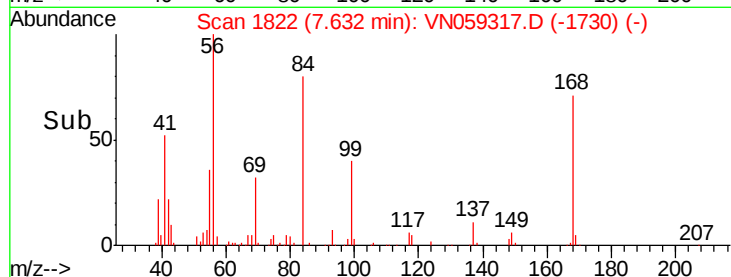
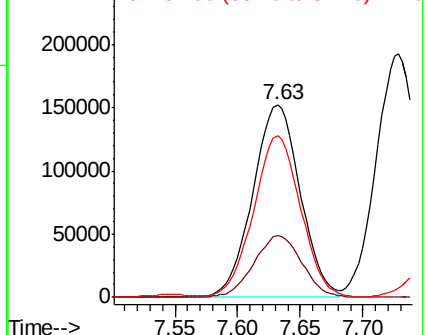
56 100

69 32.0 26.6 40.0

84 82.6 67.0 100.4



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



#32

1,1,1-Trichloroethane

Concen: 58.854 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

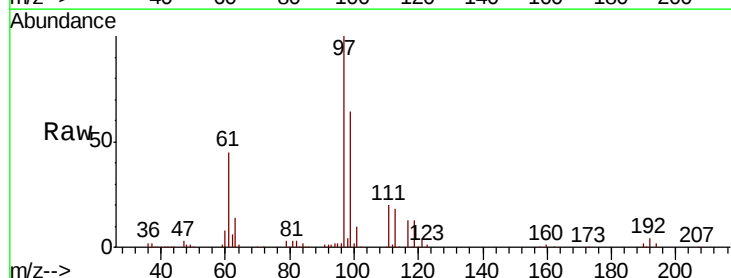
Tgt Ion: 97 Resp: 348506

Ion Ratio Lower Upper

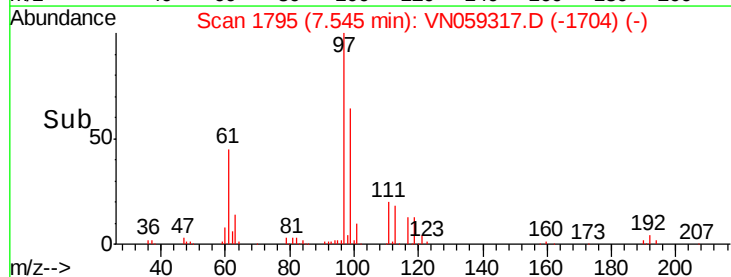
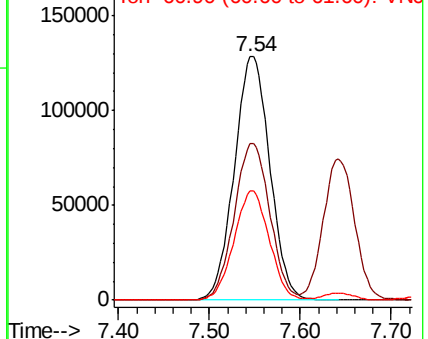
97 100

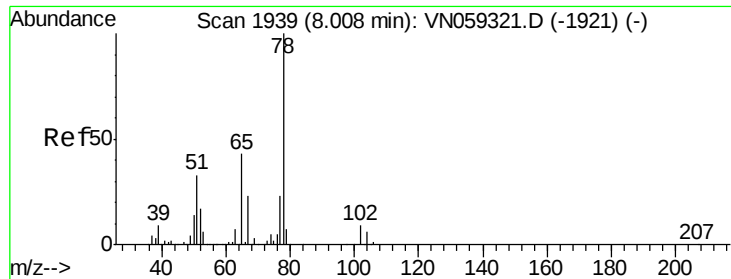
99 64.5 51.3 76.9

61 44.7 35.3 52.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

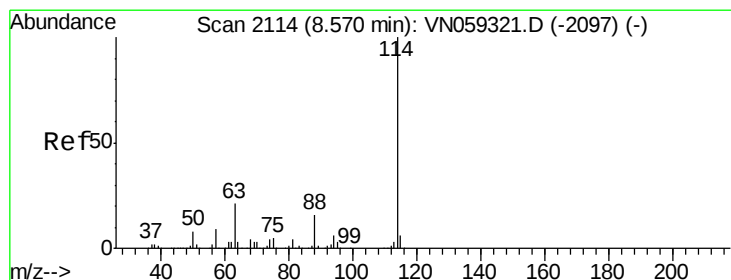
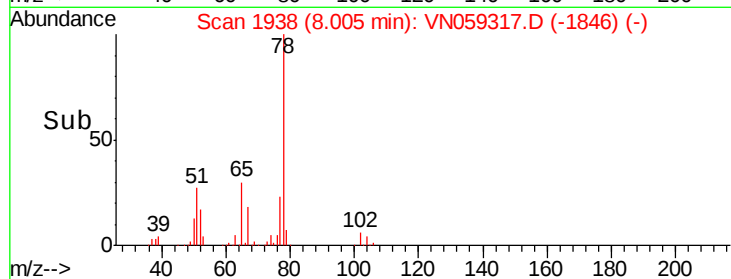
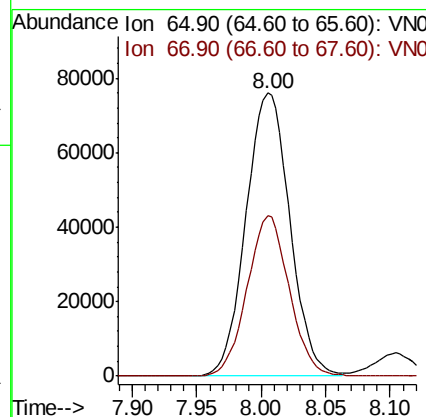
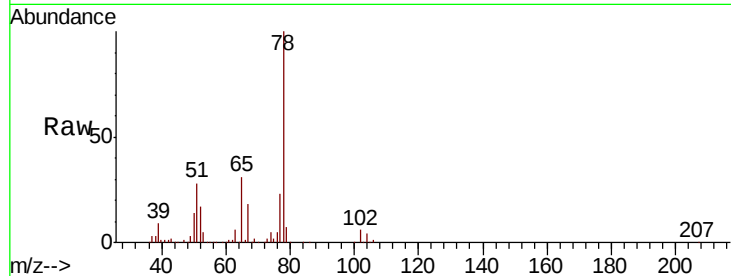




#33
 1,2-Dichloroethane-d4
 Concen: 45.243 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

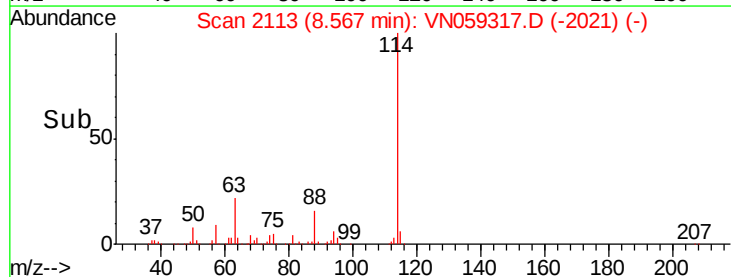
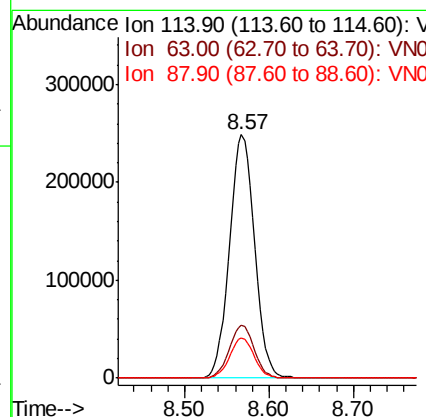
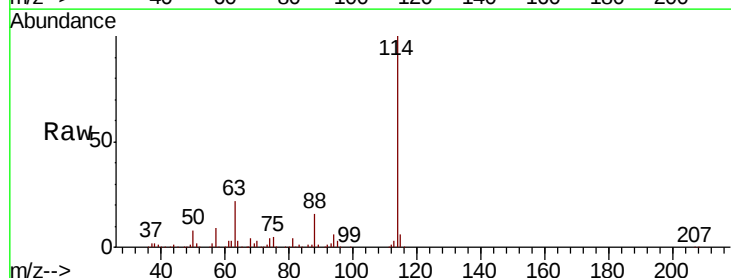
Instrument :
 MSVOA_N
 ClientSampled :

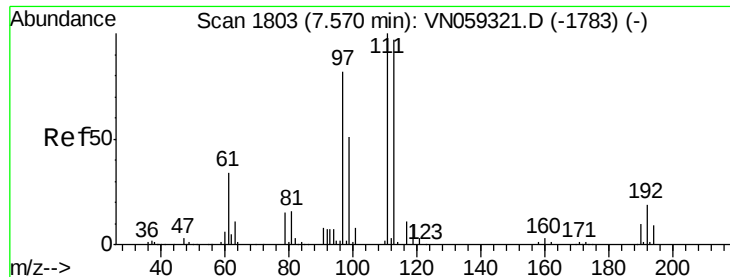
Tot Ion: 65 Resp: 180430
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion: 114 Resp: 514972
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.2
 88 16.4 0.0 32.2

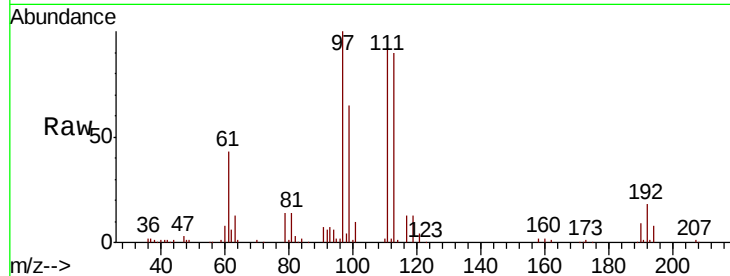




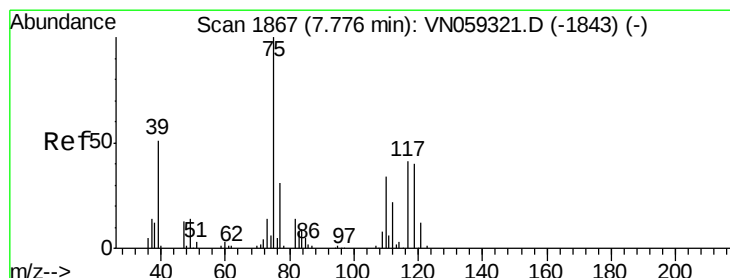
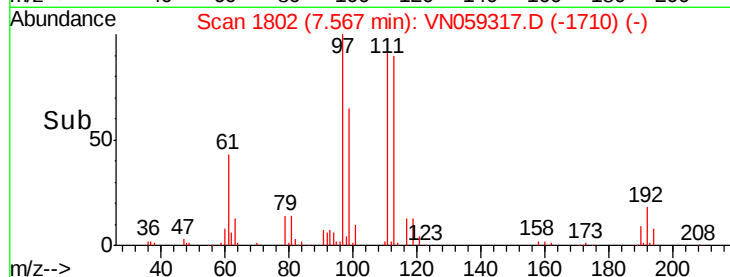
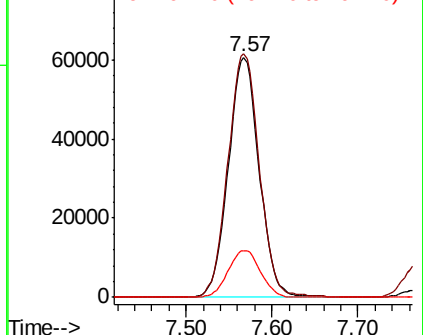
#35
 Dibromofluoromethane
 Concen: 48.876 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 151003
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.7 124.1
 192 20.4 16.3 24.5

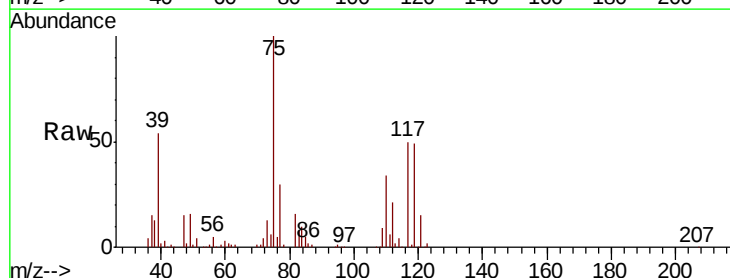


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

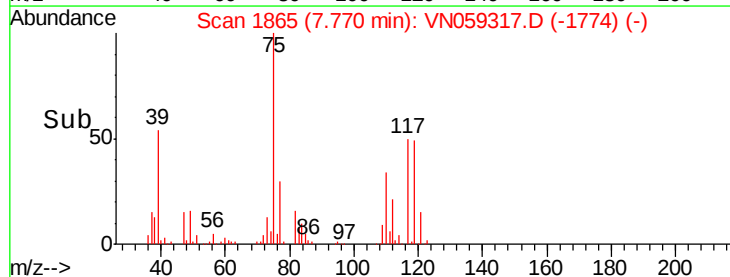
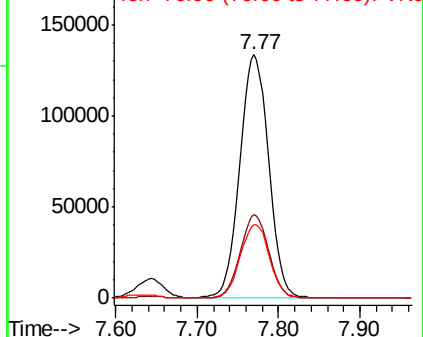


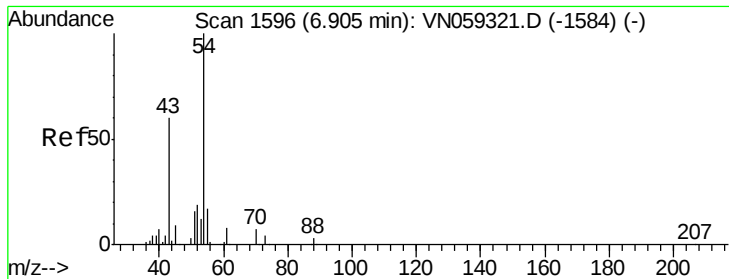
#36
 1,1-Dichloropropene
 Concen: 61.213 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.01 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion: 75 Resp: 325426
 Ion Ratio Lower Upper
 75 100
 110 33.7 17.0 51.0
 77 30.7 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

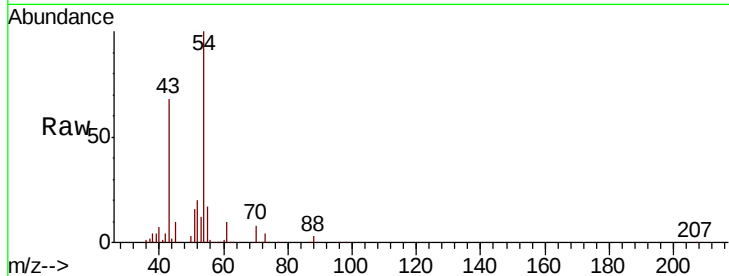




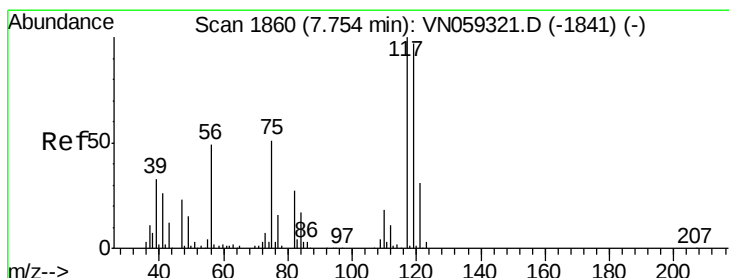
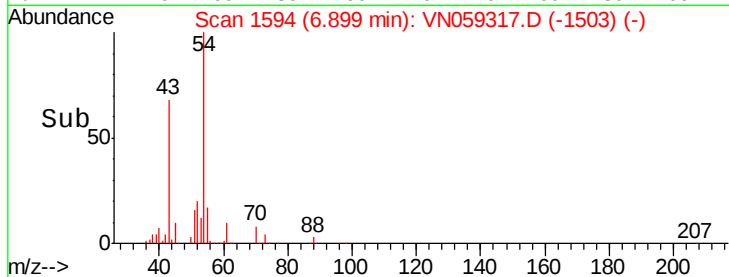
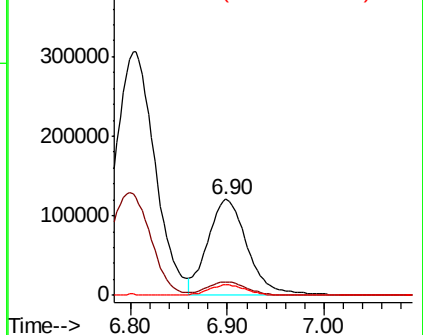
#37
Ethyl Acetate
Concen: 59.365 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 339189
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.6
70 10.5 8.8 13.2

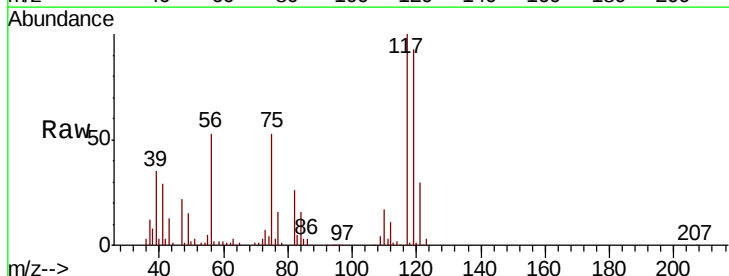


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

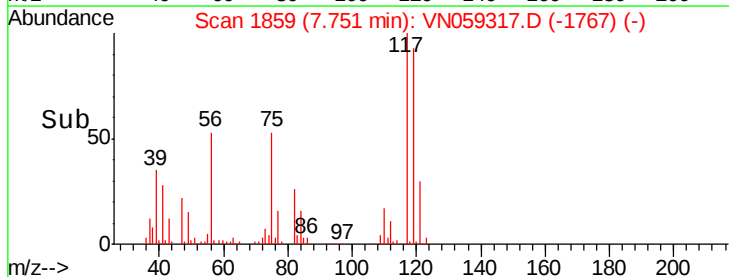
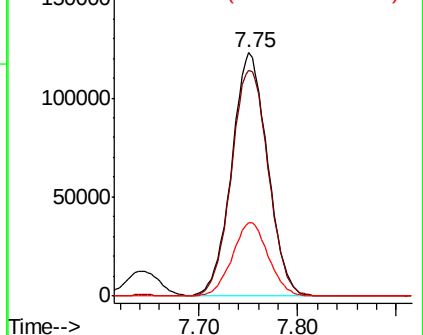


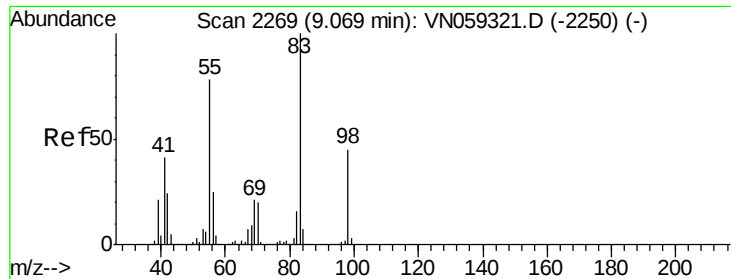
#38
Carbon Tetrachloride
Concen: 60.955 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 117 Resp: 310223
Ion Ratio Lower Upper
117 100
119 92.7 77.0 115.4
121 30.2 24.4 36.6



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

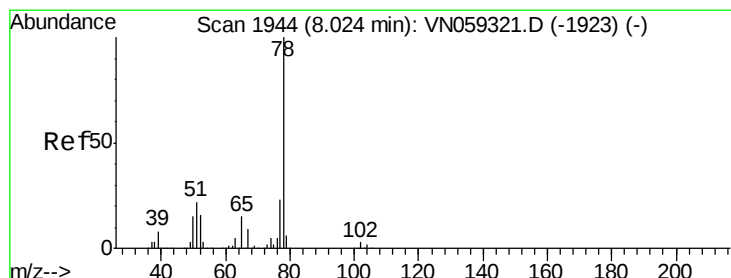
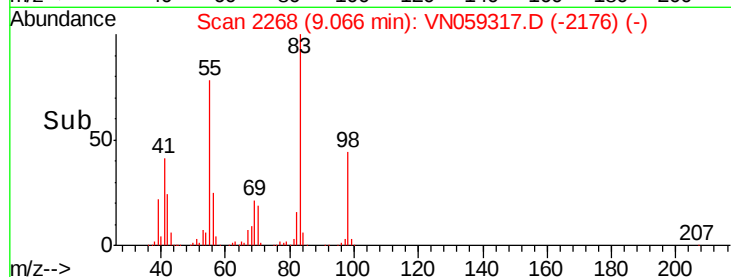
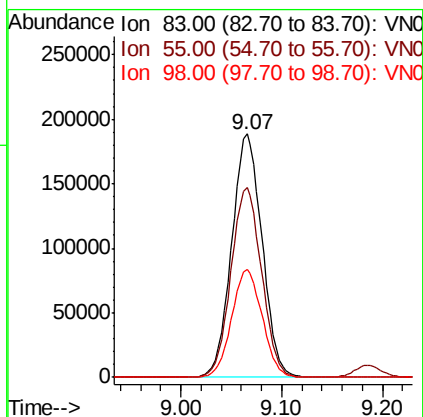
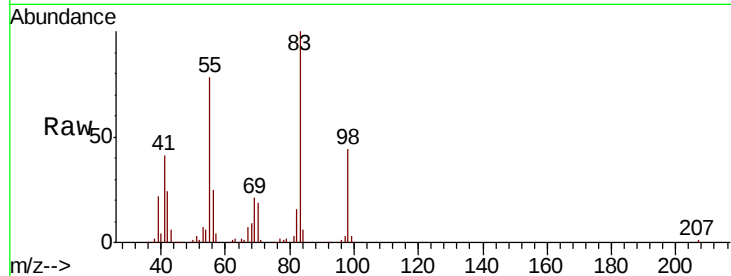




#39
Methvlcvclohexane
Concen: 61.618 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

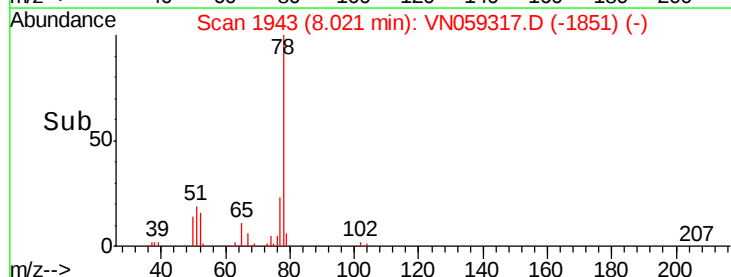
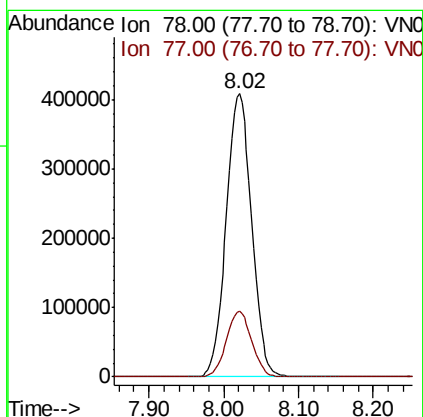
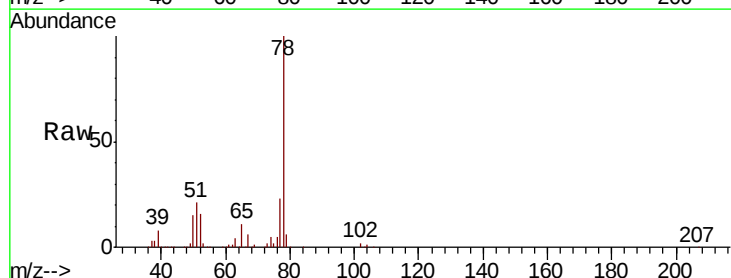
Instrument :
MSVOA_N
ClientSampled :

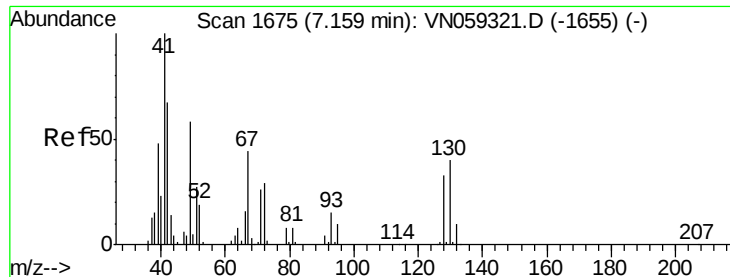
Tot Ion: 83 Resp: 395016
Ion Ratio Lower Upper
83 100
55 77.8 62.3 93.5
98 44.3 36.0 54.0



#40
Benzene
Concen: 61.735 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 78 Resp: 963275
Ion Ratio Lower Upper
78 100
77 23.3 18.4 27.6

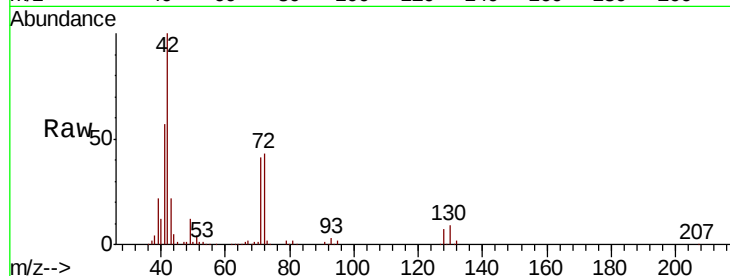




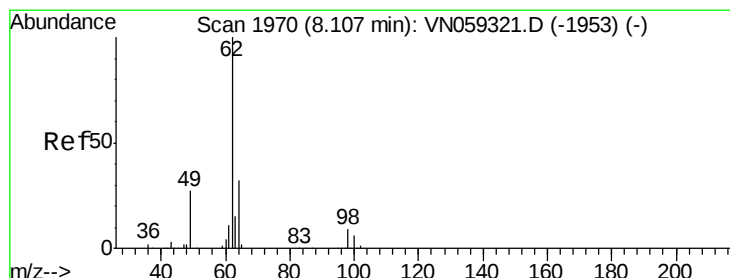
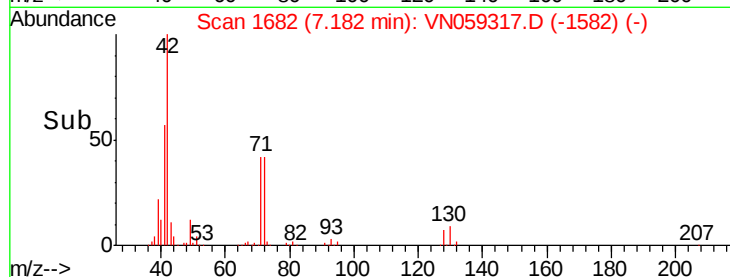
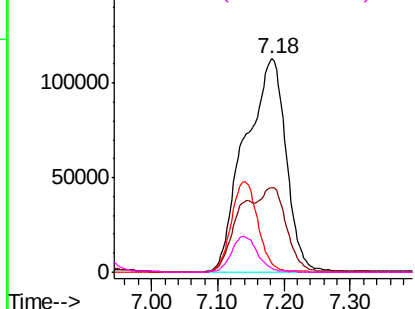
#41
Methacrylonitrile
Concen: 190.964 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	484360
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

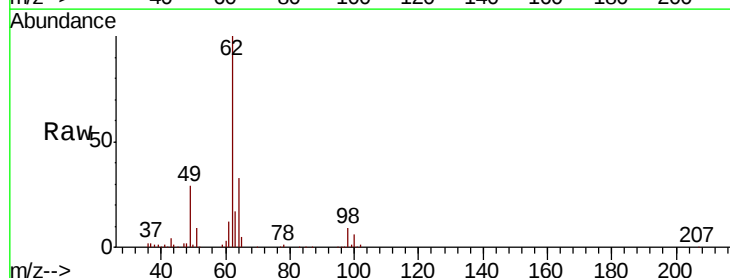


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

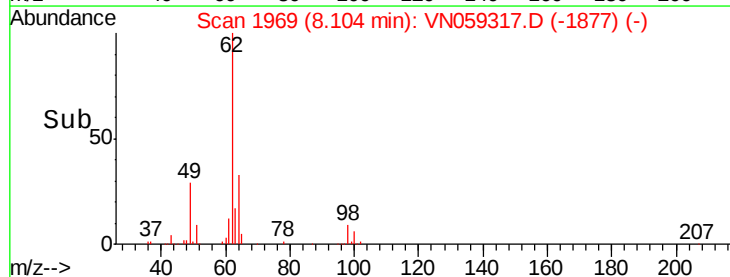
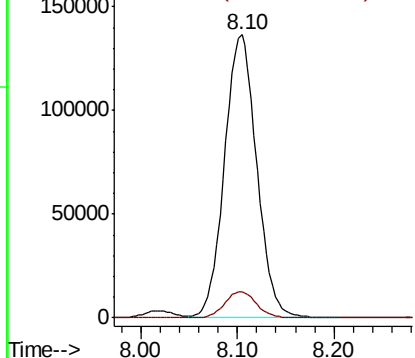


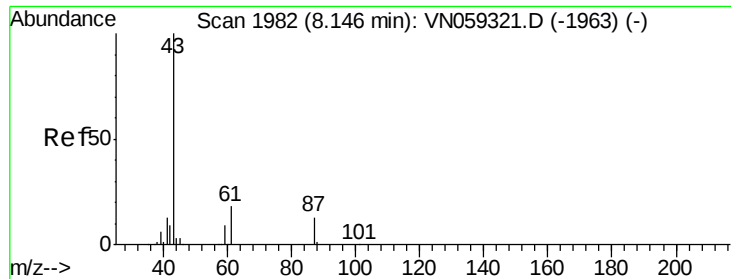
#42
1,2-Dichloroethane
Concen: 61.127 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion:	62	Resp:	315442
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

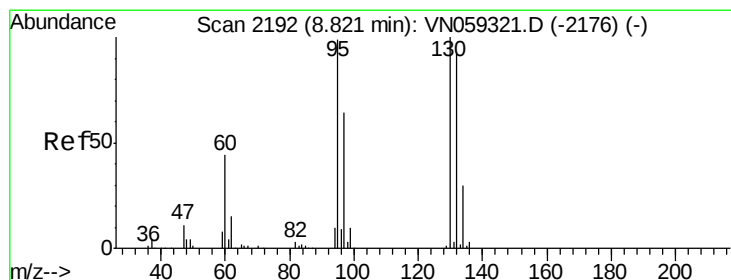
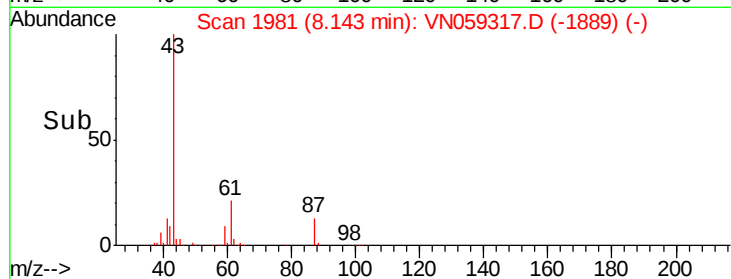
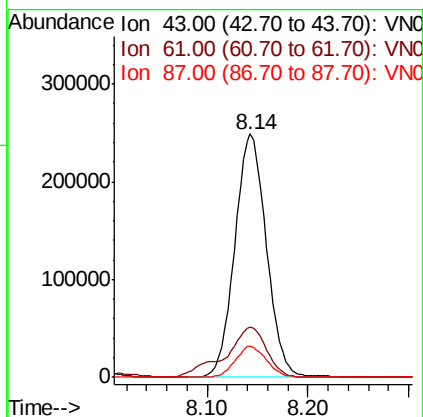
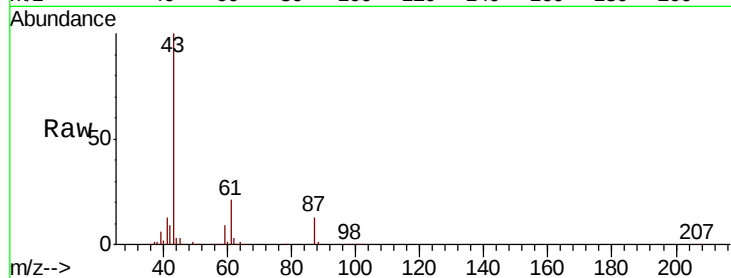




#43
Isopropyl Acetate
Concen: 61.810 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

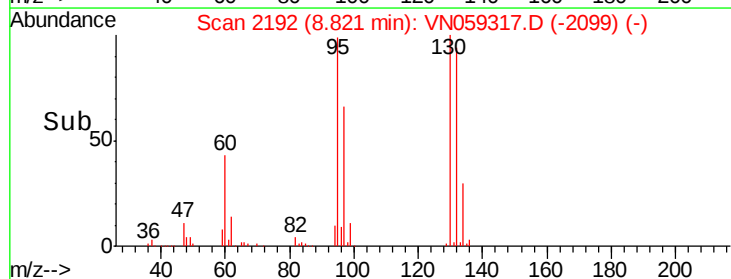
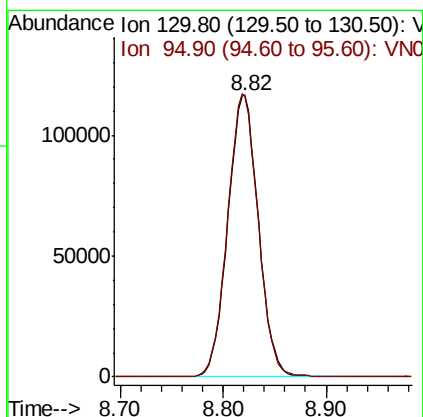
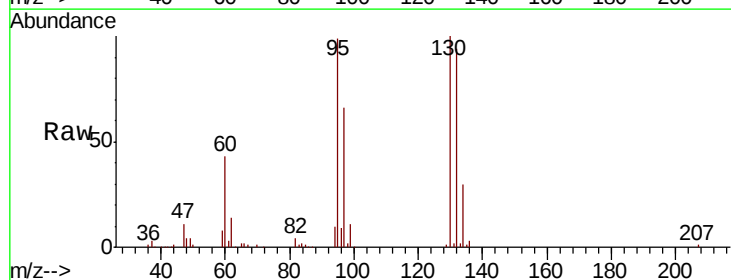
Instrument :
MSVOA_N
ClientSampleId :

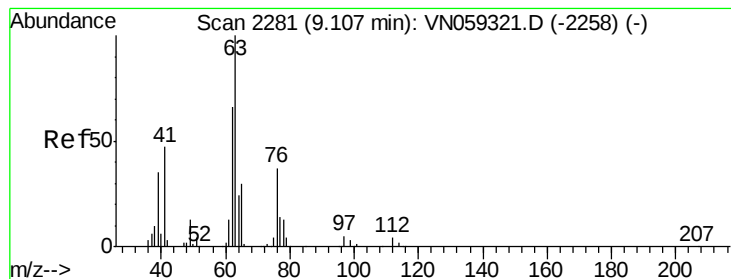
Tot Ion: 43 Resp: 539722
Ion Ratio Lower Upper
43 100
61 27.1 21.7 32.5
87 12.8 10.2 15.4



#44
Trichloroethene
Concen: 60.873 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion:130 Resp: 240721
Ion Ratio Lower Upper
130 100
95 99.5 0.0 198.4





#45

1,2-Dichloropropane

Concen: 62.296 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.01 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

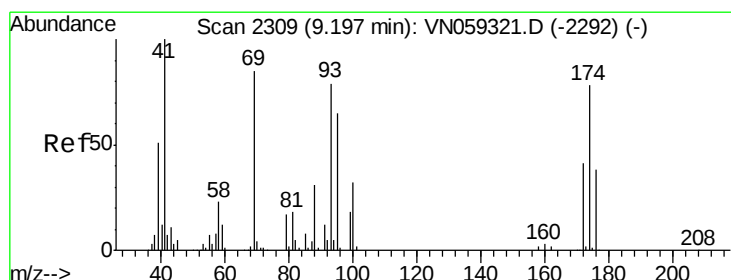
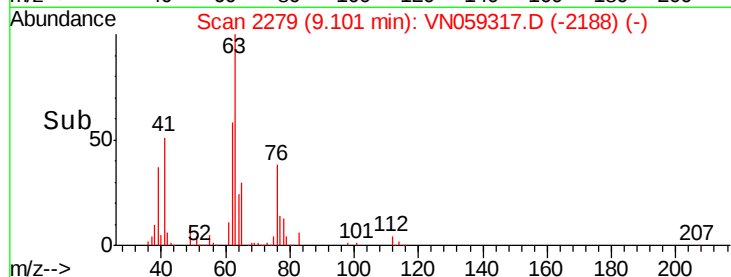
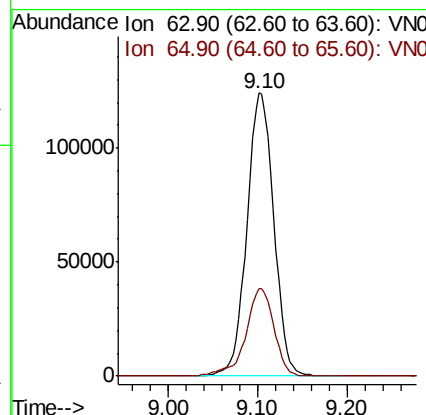
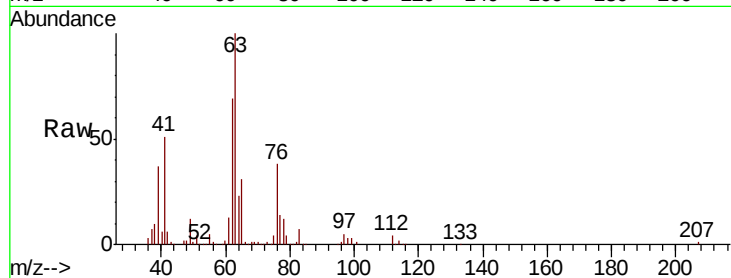
ClientSampled :

Tot Ion: 63 Resp: 259199

Ion Ratio Lower Upper

63 100

65 31.1 23.9 35.9



#46

Dibromomethane

Concen: 61.062 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

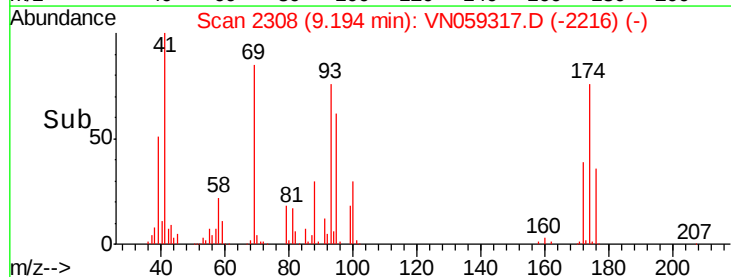
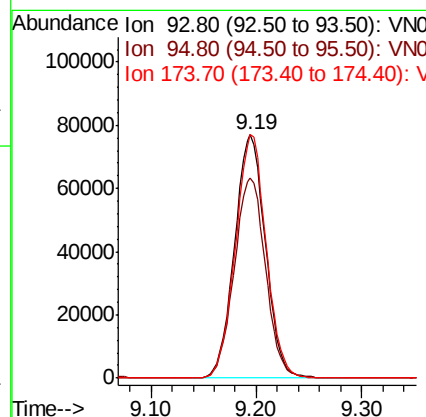
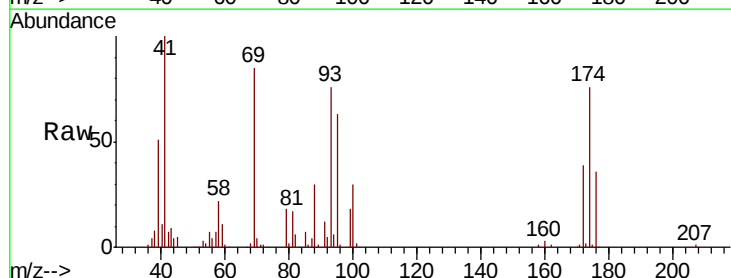
Tgt Ion: 93 Resp: 155838

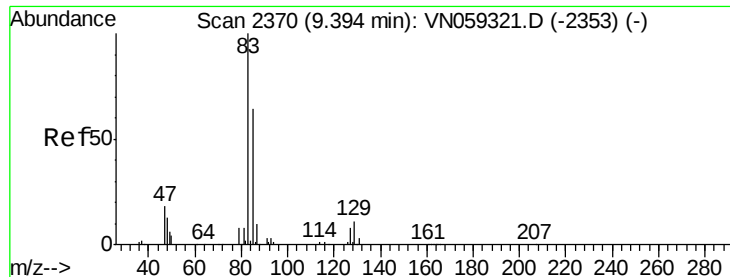
Ion Ratio Lower Upper

93 100

95 83.7 66.9 100.3

174 99.7 80.6 120.8





#47

Bromodichloromethane

Concen: 62.776 ug/l

RT: 9.39 min Scan# 2369

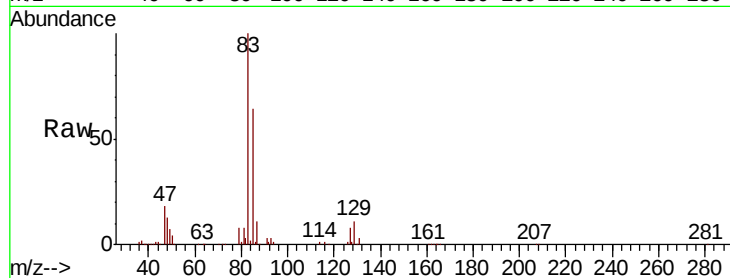
Delta R.T. -0.00 min

Lab File: VN059317.D

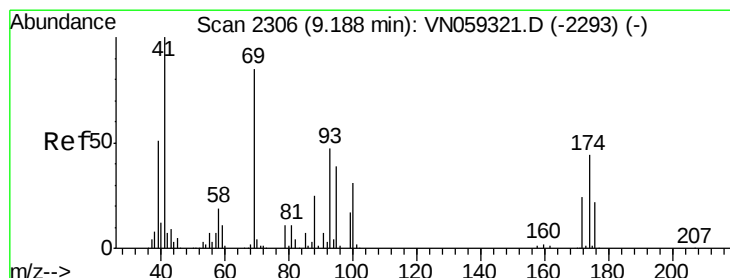
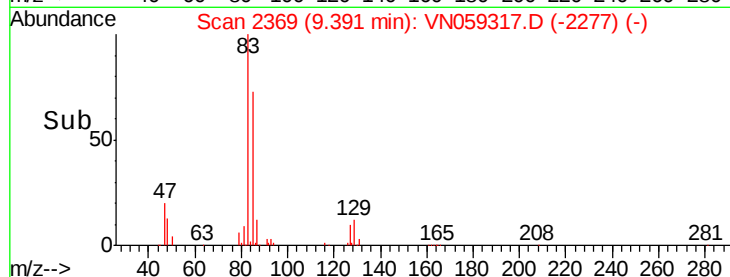
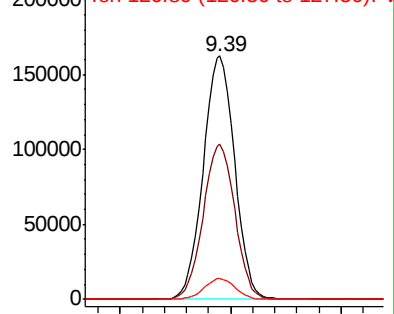
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	83	Resp:	320857
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3
127	8.5	6.6	10.0



Abundance Ion 82.90 (82.60 to 83.60): VN059317.D (-2277) (-)



#48

Methyl methacrylate

Concen: 62.053 ug/l

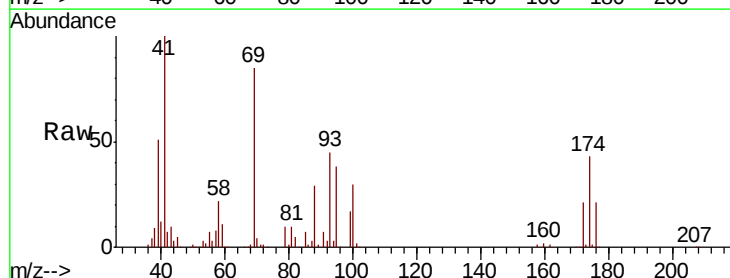
RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

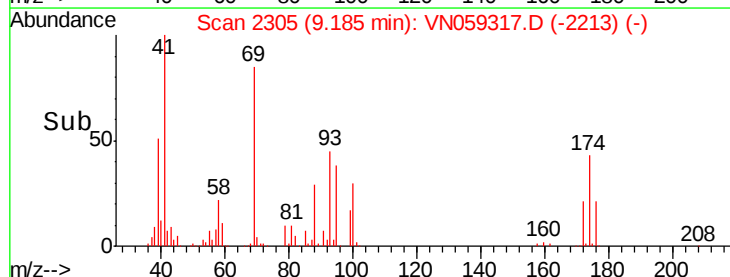
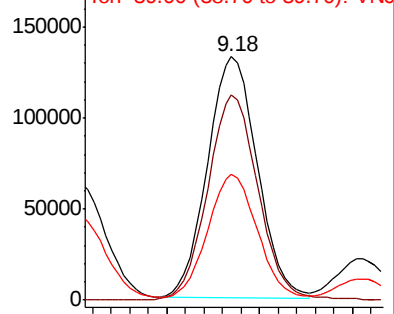
Lab File: VN059317.D

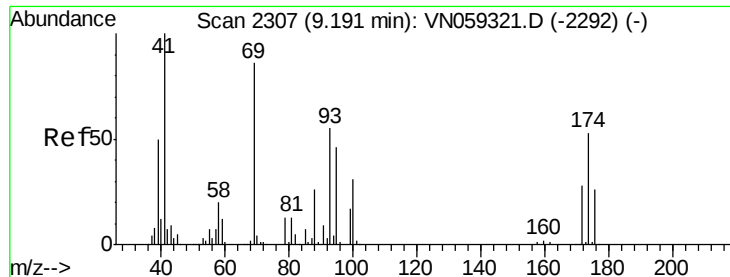
Acq: 20 Nov 2019 10:41

Tgt Ion:	41	Resp:	246402
Ion	Ratio	Lower	Upper
41	100		
69	86.6	68.8	103.2
39	52.4	42.1	63.1



Abundance Ion 41.00 (40.70 to 41.70): VN059317.D (-2213) (-)

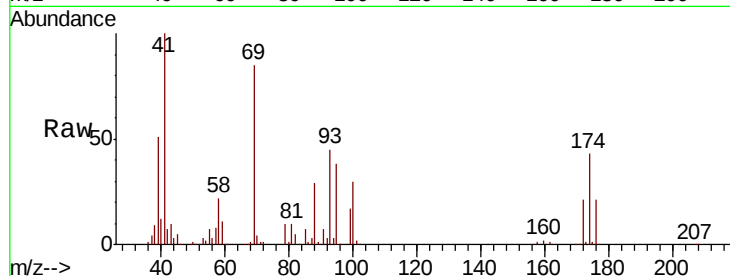




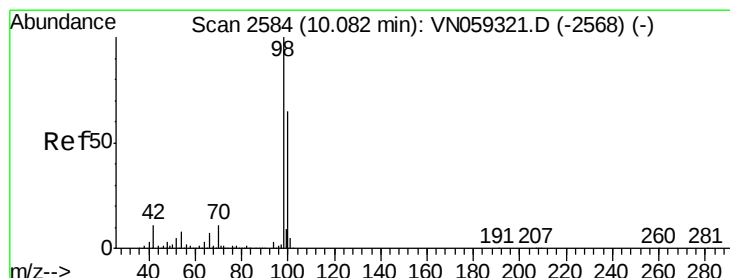
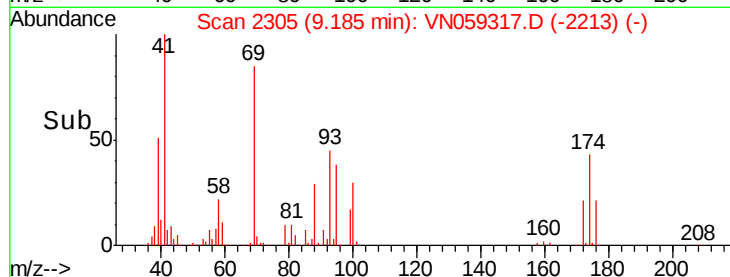
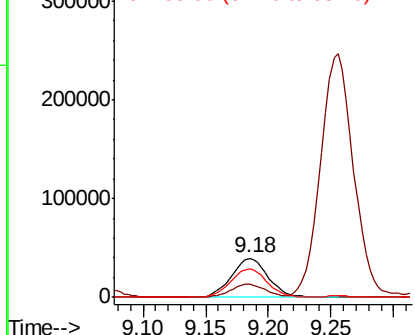
#49
1,4-Dioxane
Concen: 1347.171 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 80397
Ion Ratio Lower Upper
88 100
43 31.3 26.9 40.3
58 73.4 59.2 88.8

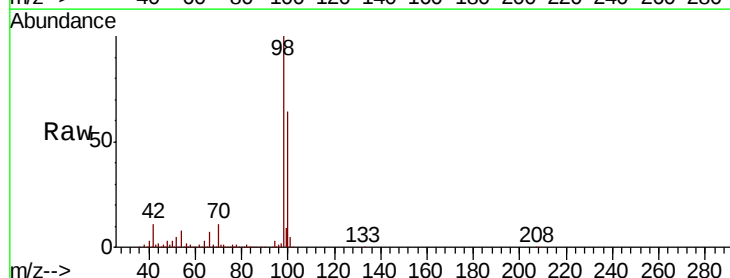


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

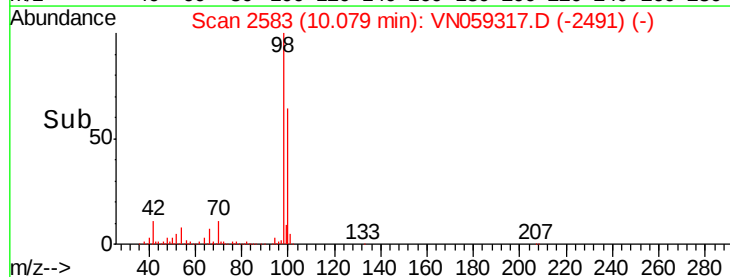
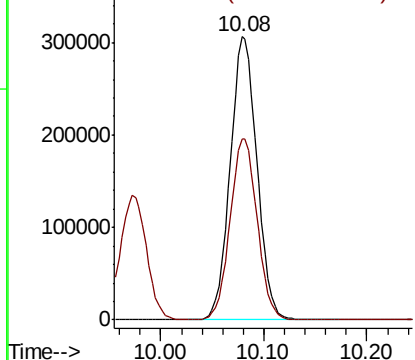


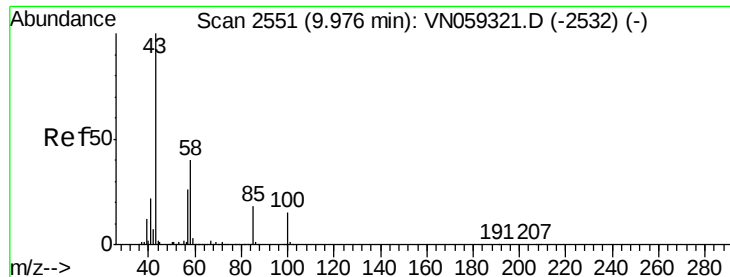
#50
Toluene-d8
Concen: 45.037 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 98 Resp: 553161
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 325.726 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

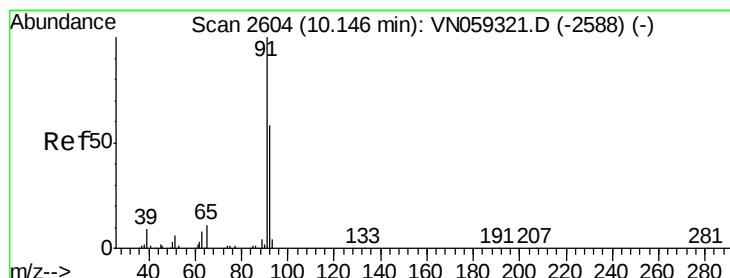
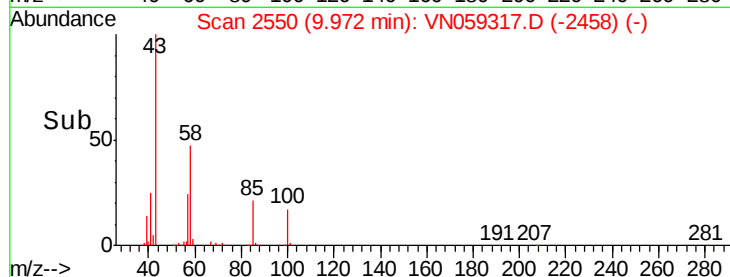
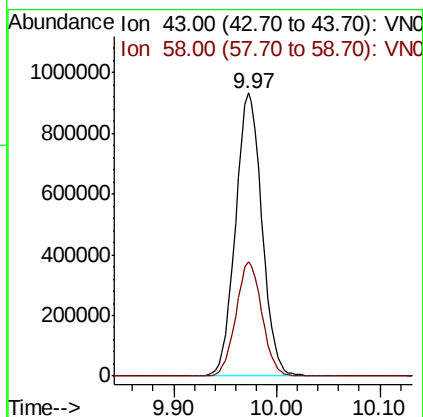
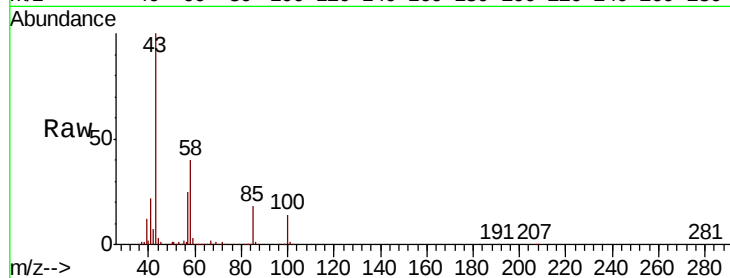
ClientSampleId :

Tot Ion: 43 Resp: 1664790

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8



#52

Toluene

Concen: 62.268 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059317.D

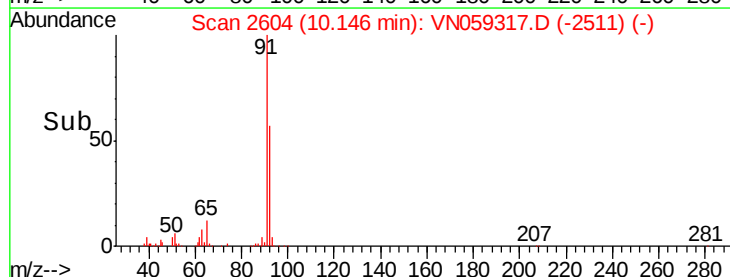
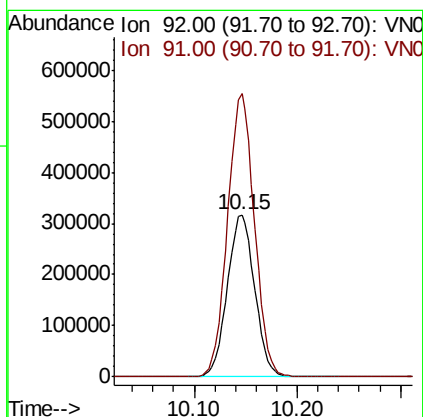
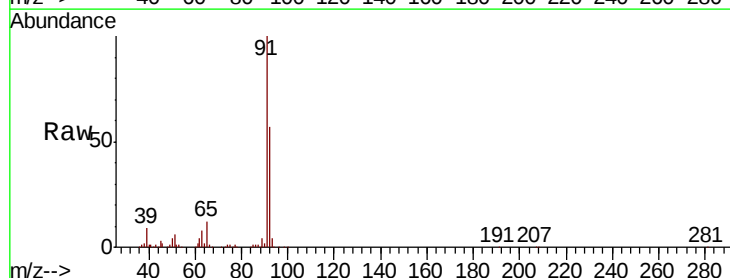
Acq: 20 Nov 2019 10:41

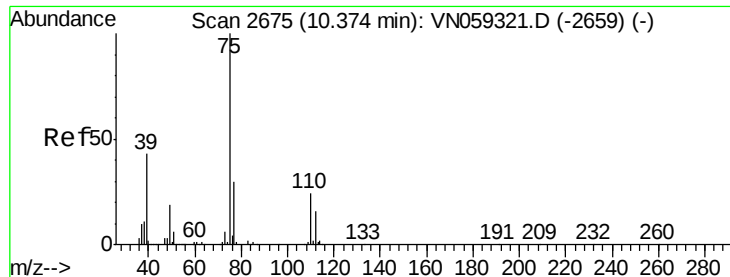
Tgt Ion: 92 Resp: 584209

Ion Ratio Lower Upper

92 100

91 172.1 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 62.184 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

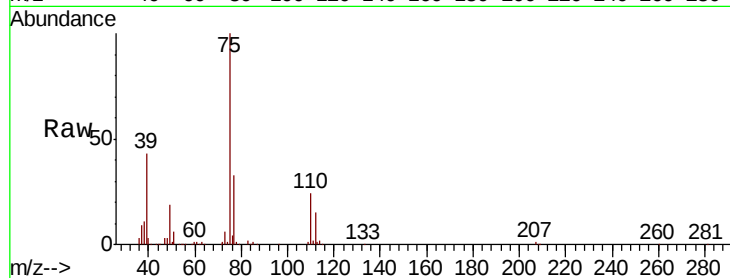
ClientSampleId :

Tot Ion: 75 Resp: 369468

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

200000

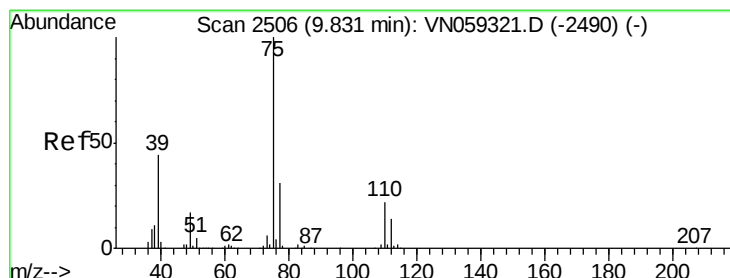
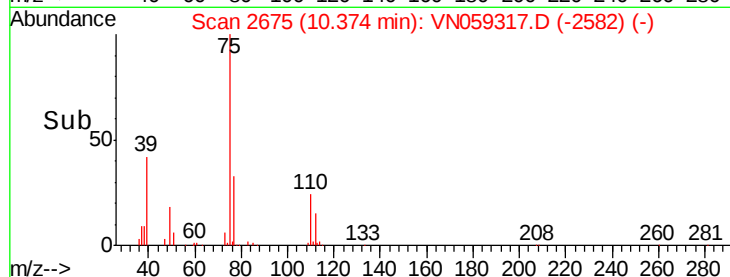
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 62.690 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

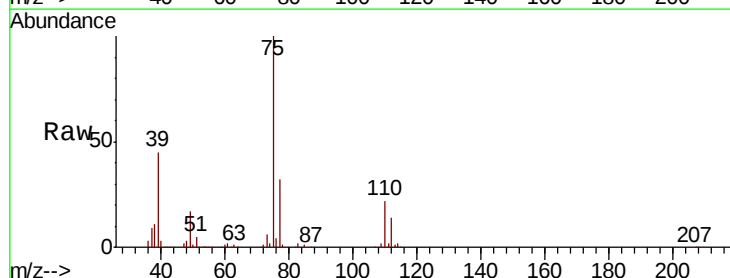
Tgt Ion: 75 Resp: 404182

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 44.9 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

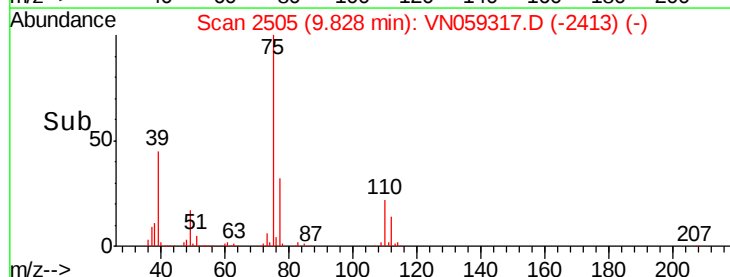
150000

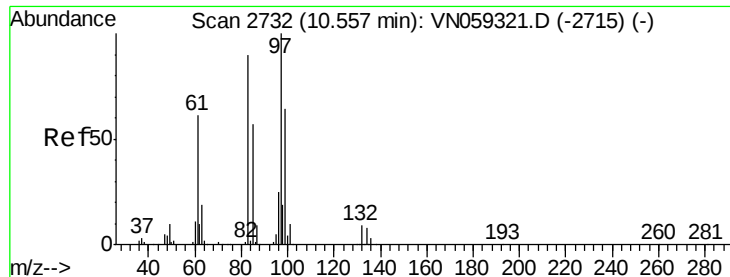
100000

50000

0

Time-->

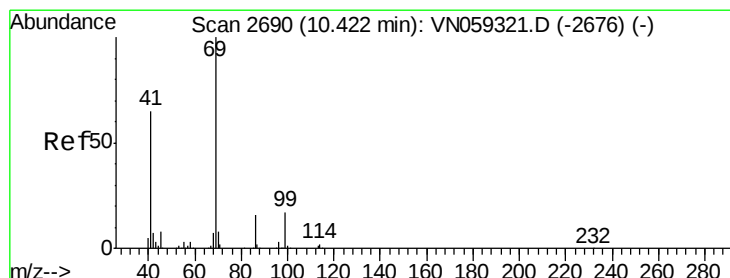
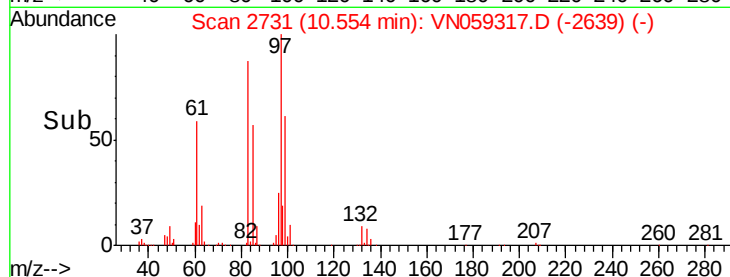
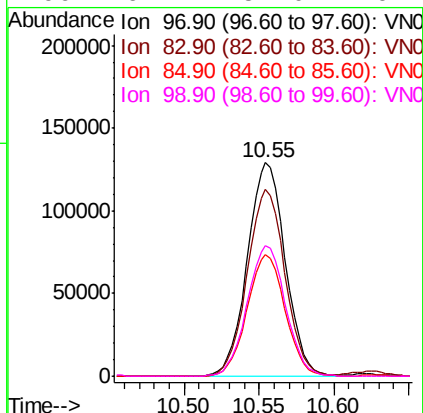
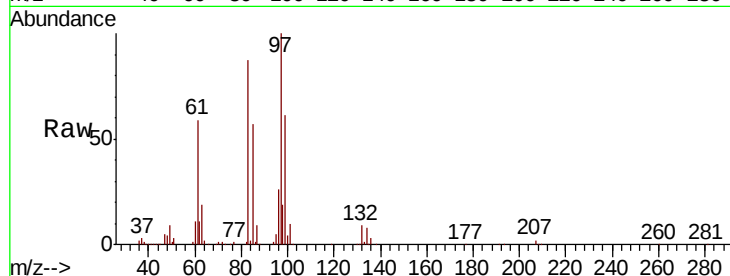




#55
 1,1,2-Trichloroethane
 Concen: 62.477 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

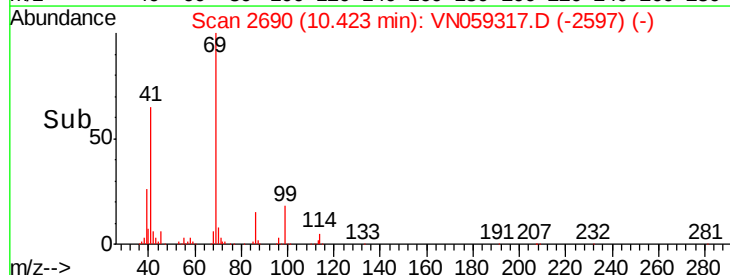
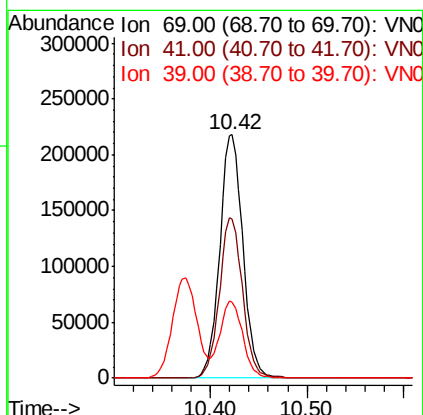
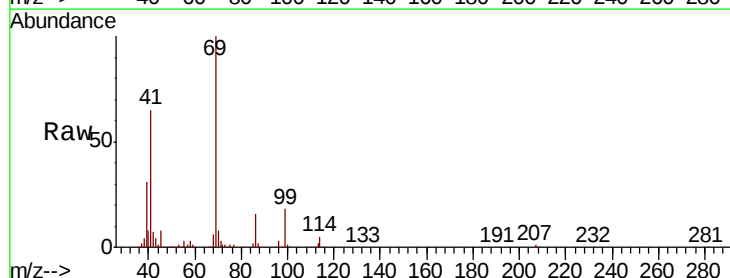
Instrument :
 MSVOA_N
 ClientSampleId :

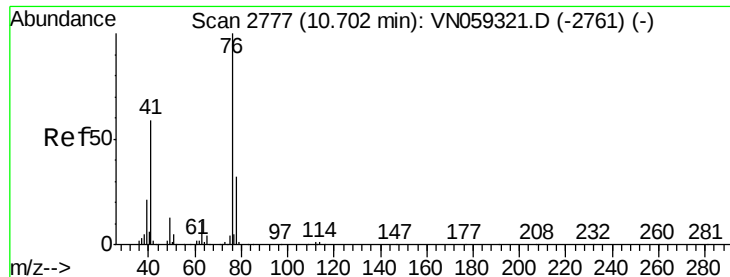
Tot Ion:	97	Resp:	227908
Ion	Ratio	Lower	Upper
97	100		
83	87.3	72.0	108.0
85	56.8	45.8	68.6
99	61.1	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 58.365 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion:	69	Resp:	361940
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.7	77.5
39	30.8	25.2	37.8





#57

1,3-Dichloropropane

Concen: 62.572 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

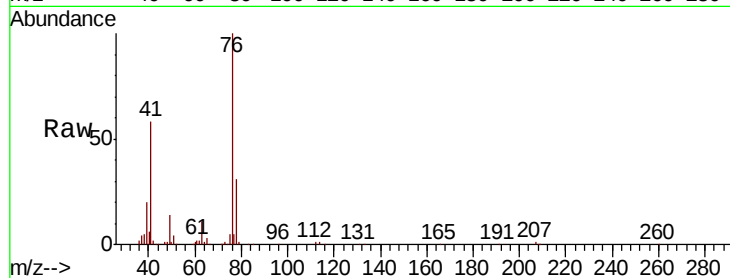
ClientSampled :

Tot Ion: 76 Resp: 397824

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

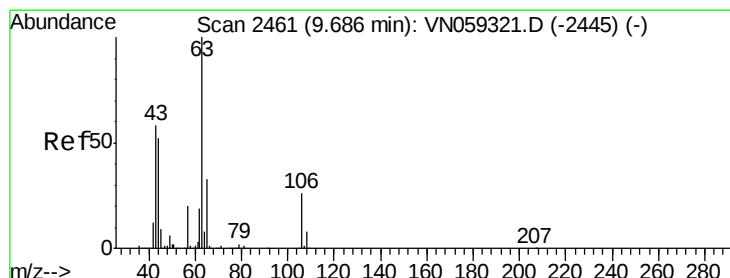
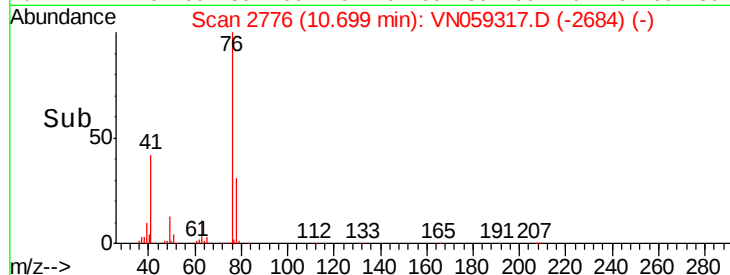
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 200.929 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059317.D

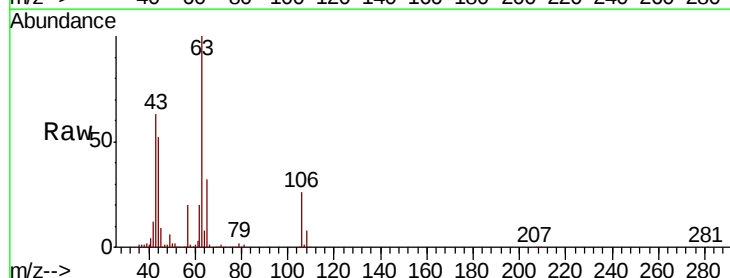
Acq: 20 Nov 2019 10:41

Tgt Ion: 63 Resp: 443243

Ion Ratio Lower Upper

63 100

106 25.7 20.5 30.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

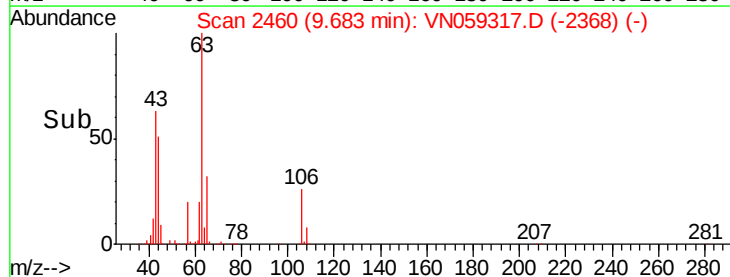
150000

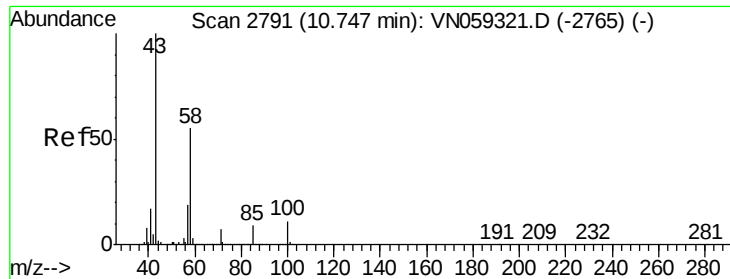
100000

50000

0

Time-->

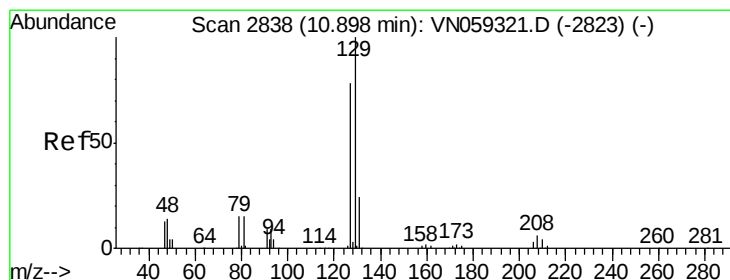
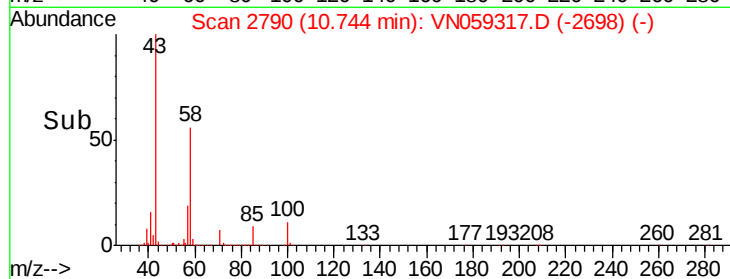
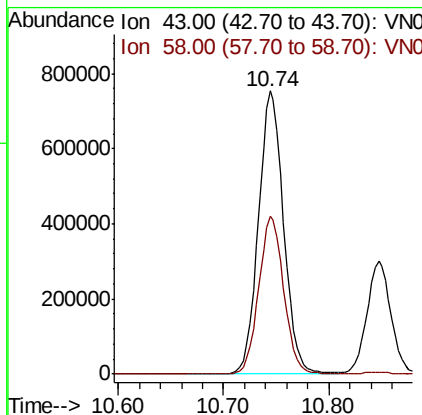
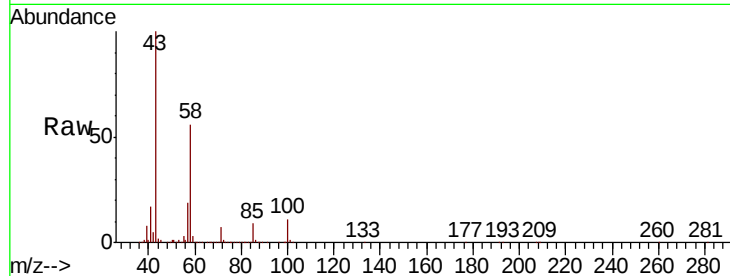




#59
2-Hexanone
Concen: 334.649 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

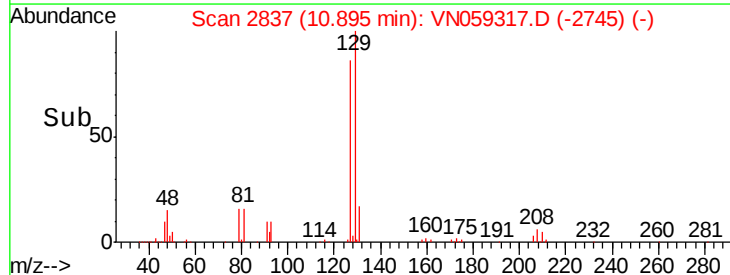
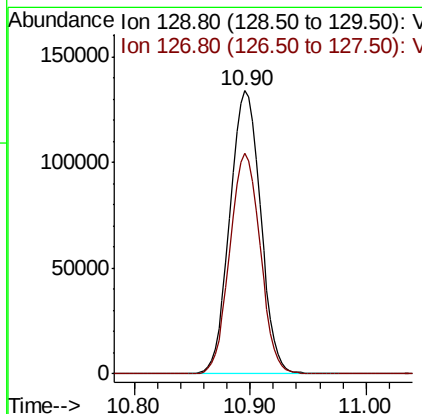
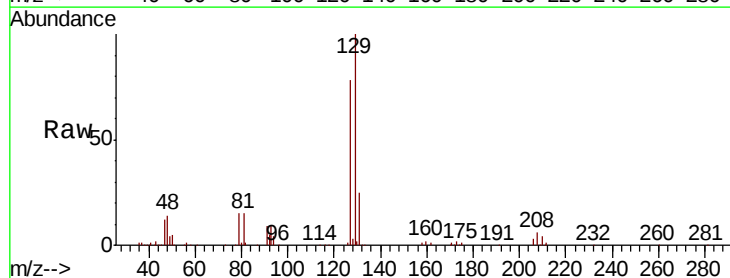
Instrument :
MSVOA_N
ClientSampleId :

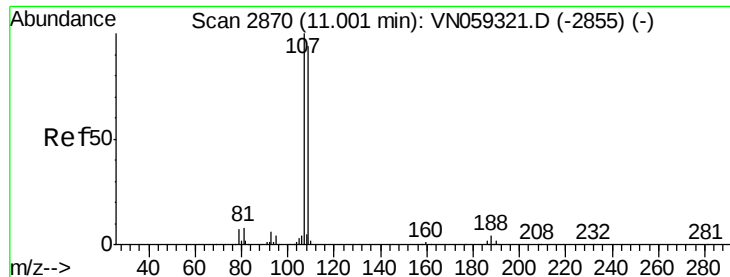
Tot Ion: 43 Resp: 1252430
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0



#60
Dibromochloromethane
Concen: 63.814 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 129 Resp: 245300
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 62.440 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

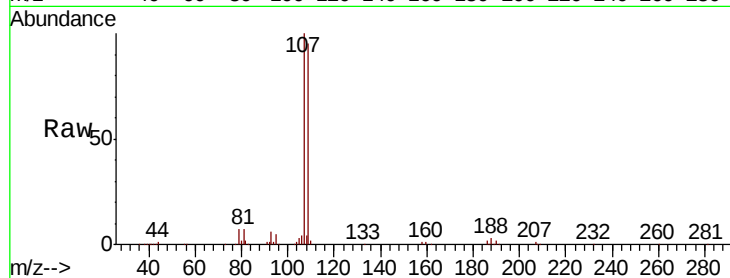
ClientSampled :

Tot Ion:107 Resp: 236998

Ion Ratio Lower Upper

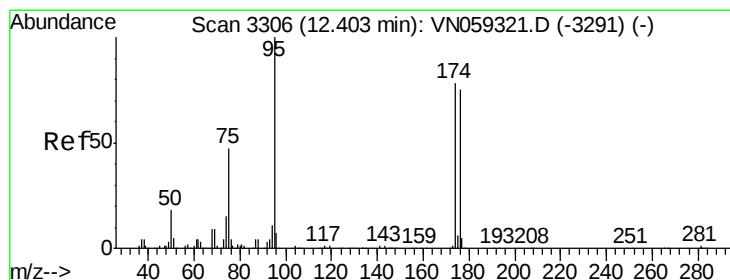
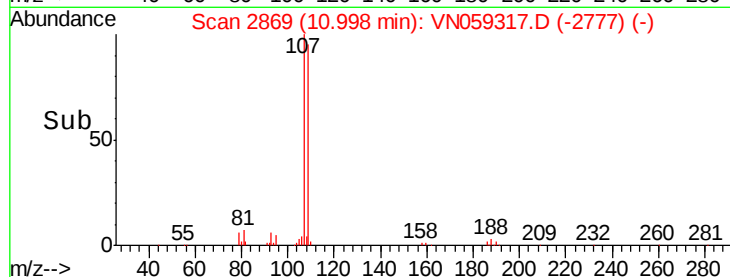
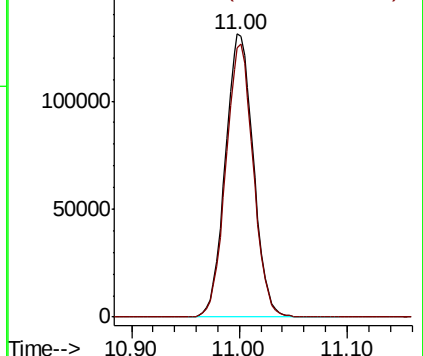
107 100

109 94.5 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

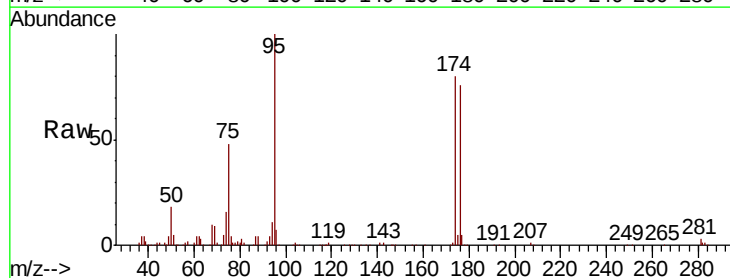
Tgt Ion: 95 Resp: 209715

Ion Ratio Lower Upper

95 100

174 79.4 0.0 157.4

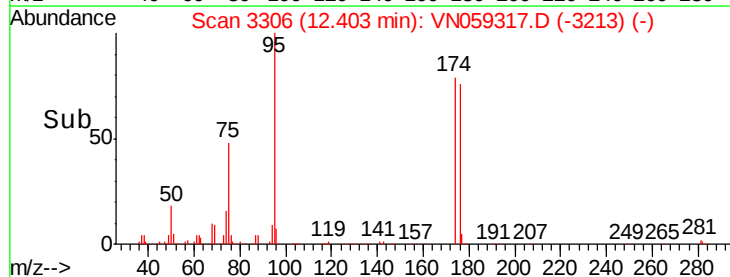
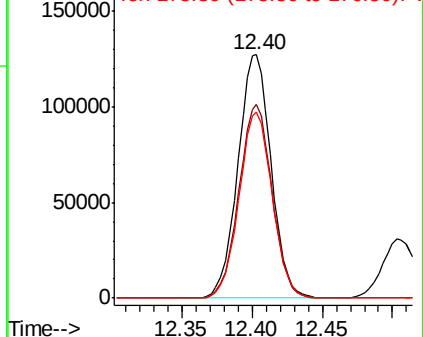
176 76.1 0.0 151.2

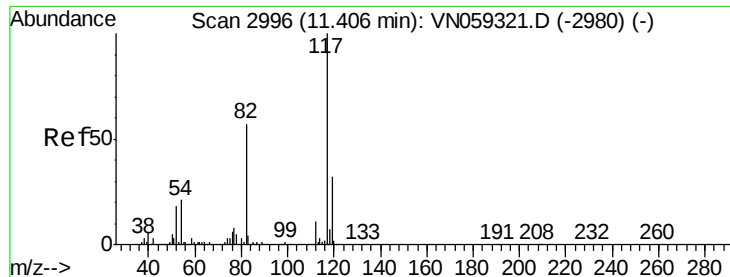


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

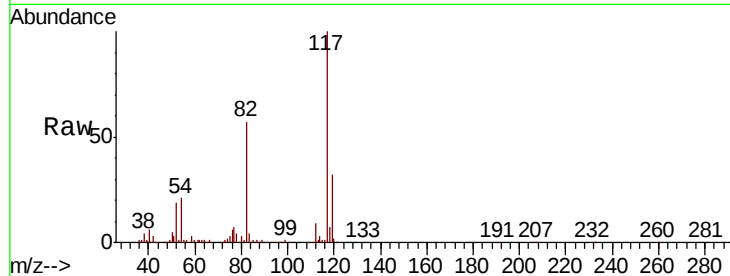
Tot Ion:117 Resp: 461522

Ion Ratio Lower Upper

117 100

82 57.4 45.7 68.5

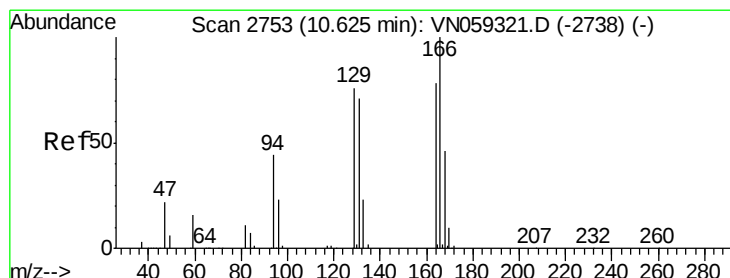
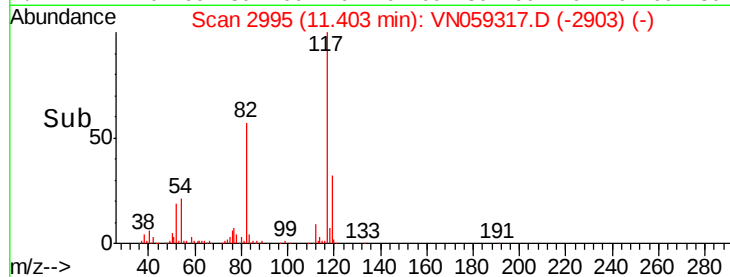
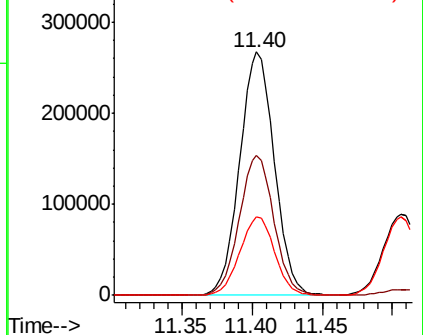
119 32.0 25.8 38.6



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: 59.130 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion:164 Resp: 211063

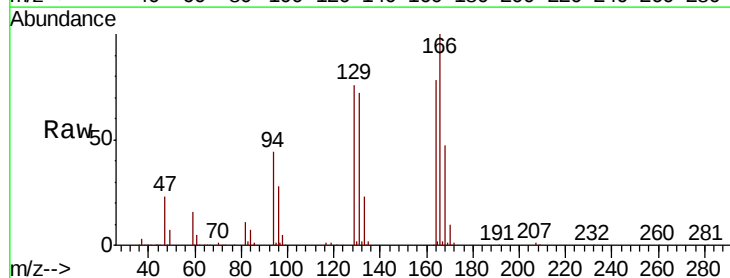
Ion Ratio Lower Upper

164 100

166 128.8 102.9 154.3

129 97.5 78.2 117.2

131 93.3 72.6 109.0

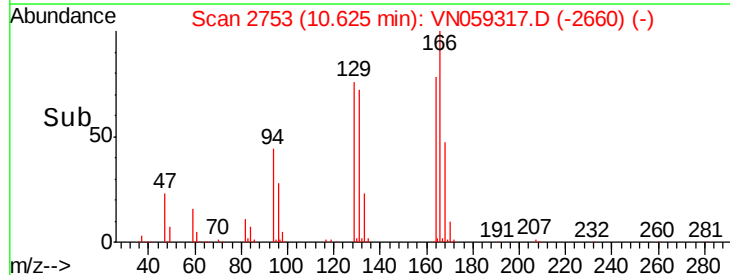
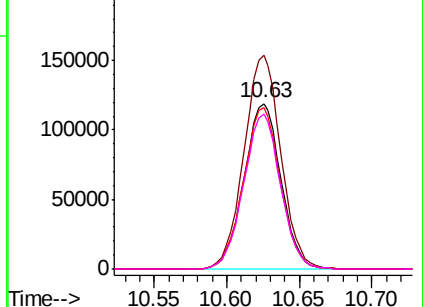


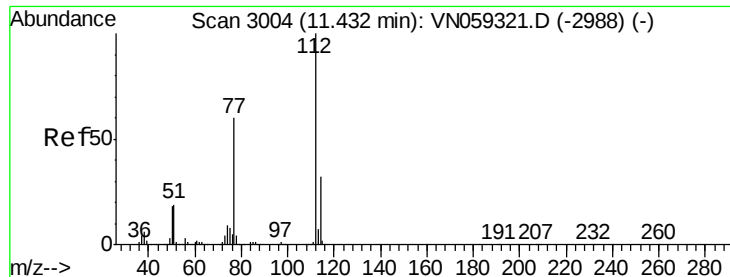
Abundance Ion 163.80 (163.50 to 164.50): V

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





#65

Chlorobenzene

Concen: 61.342 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

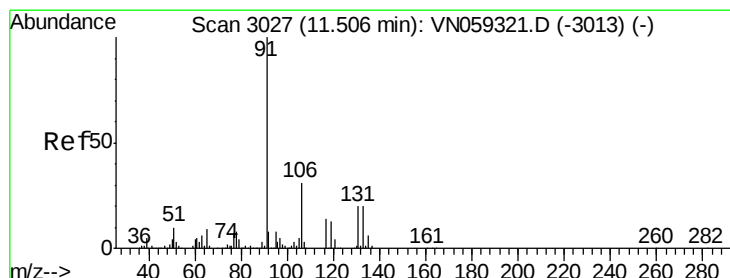
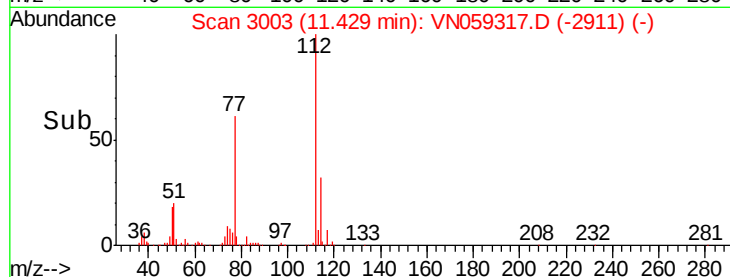
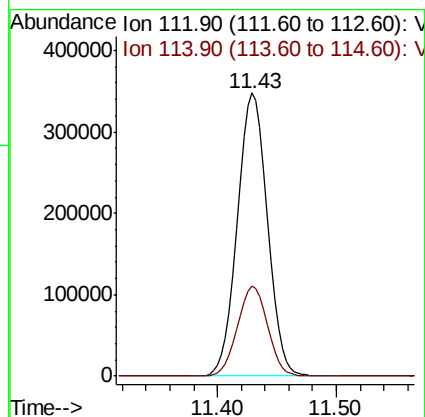
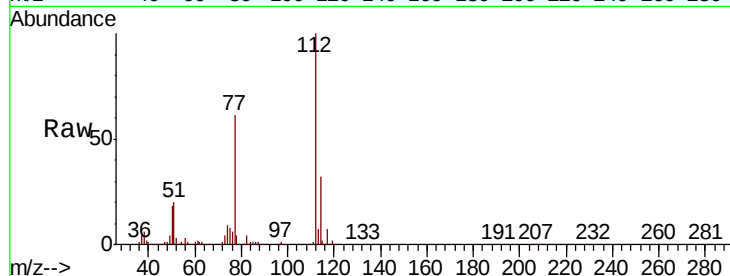
ClientSampled :

Tot Ion:112 Resp: 608738

Ion Ratio Lower Upper

112 100

114 31.6 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 62.329 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

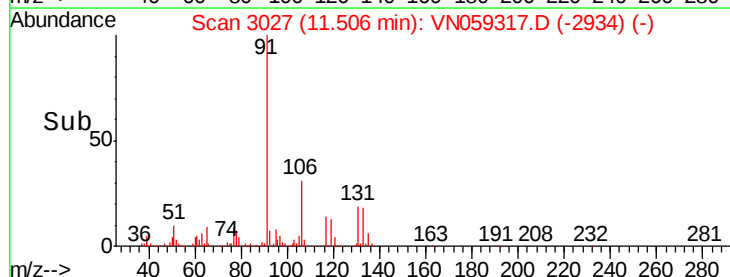
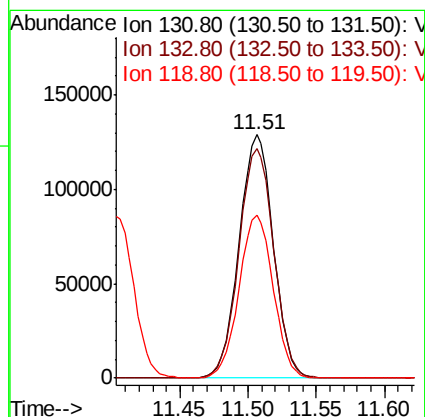
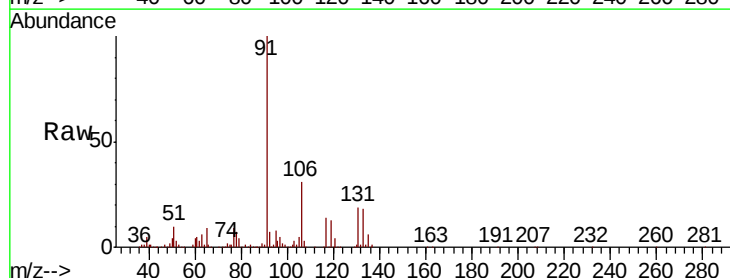
Tgt Ion:131 Resp: 224706

Ion Ratio Lower Upper

131 100

133 96.3 48.2 144.6

119 67.1 33.6 100.6





#67

Ethyl Benzene

Concen: 63.251 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

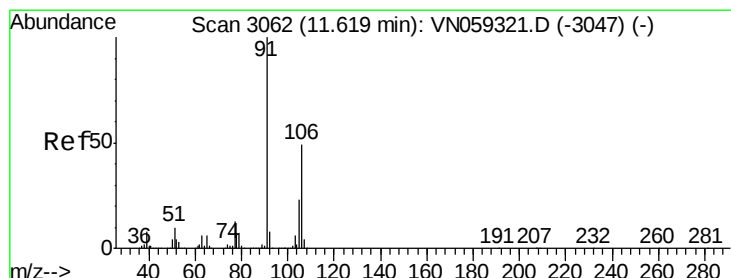
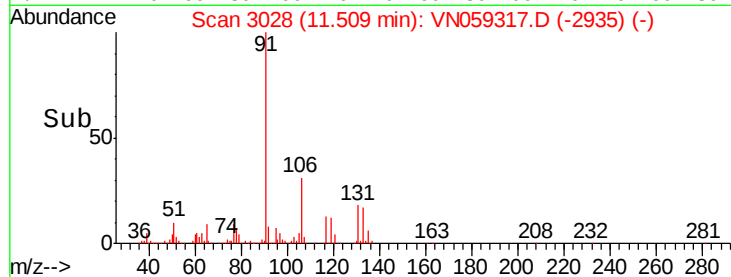
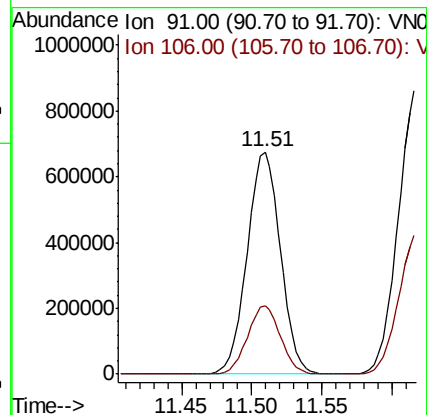
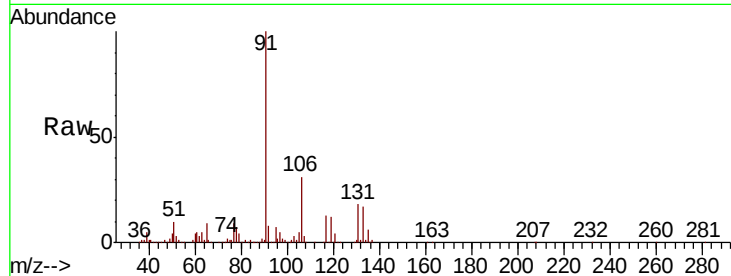
ClientSampled :

Tot Ion: 91 Resp: 1120721

Ion Ratio Lower Upper

91 100

106 30.8 24.6 37.0



#68

m/p-Xylenes

Concen: 127.318 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059317.D

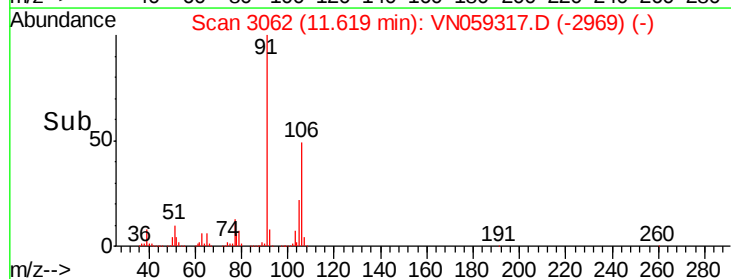
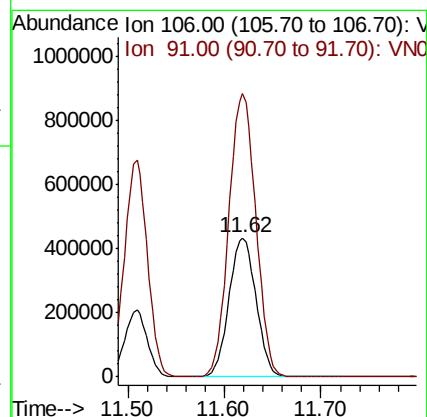
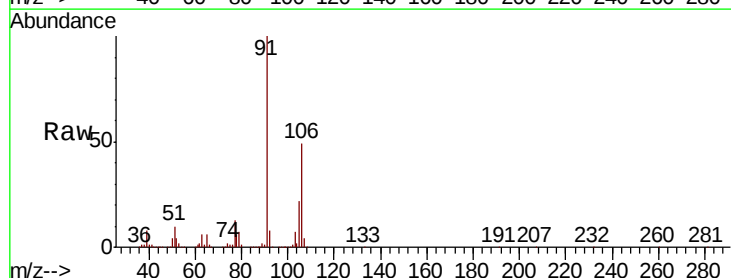
Acq: 20 Nov 2019 10:41

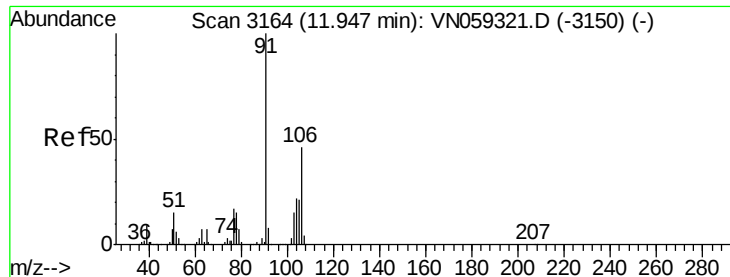
Tgt Ion: 106 Resp: 838256

Ion Ratio Lower Upper

106 100

91 204.0 163.2 244.8

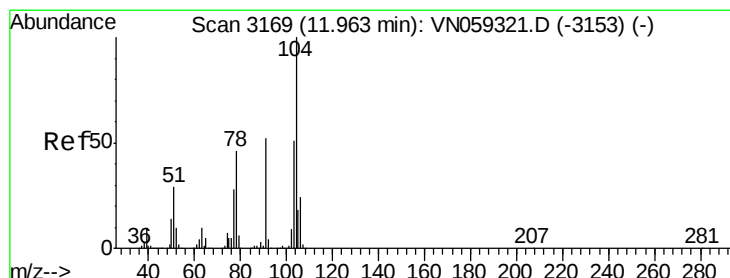
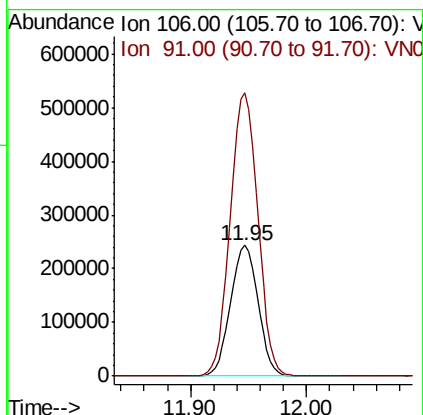
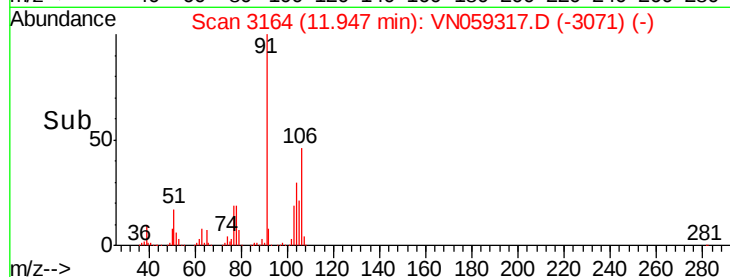
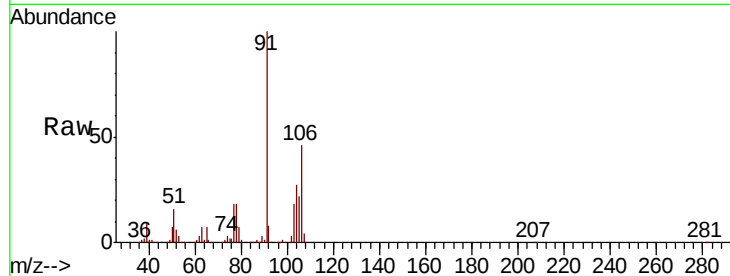




#69
o-Xylene
Concen: 63.251 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

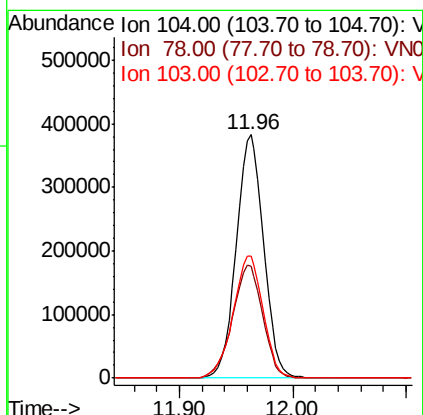
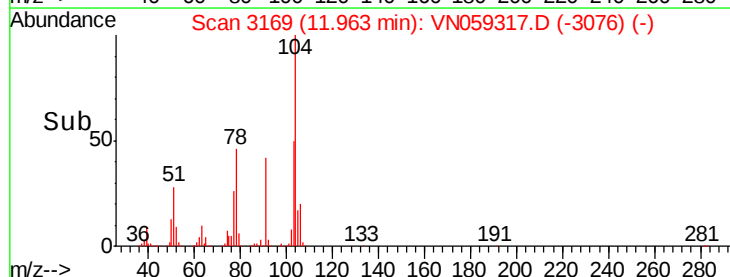
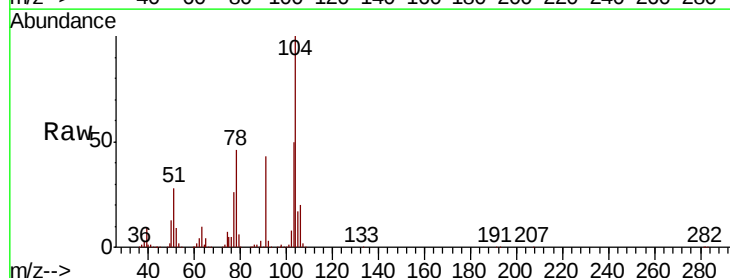
Instrument :
MSVOA_N
ClientSampled :

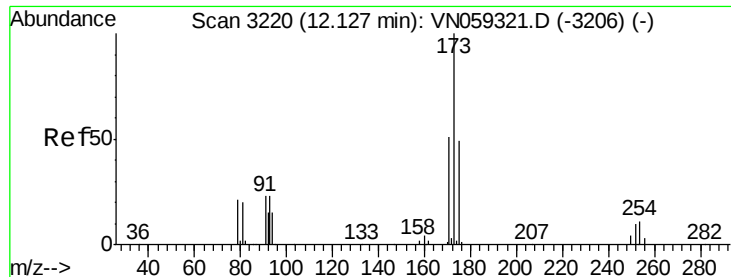
Tot Ion:106 Resp: 398680
Ion Ratio Lower Upper
106 100
91 217.2 109.3 327.9



#70
Styrene
Concen: 64.992 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion:104 Resp: 646393
Ion Ratio Lower Upper
104 100
78 51.1 40.3 60.5
103 54.7 43.6 65.4





#71

Bromoform

Concen: 64.257 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

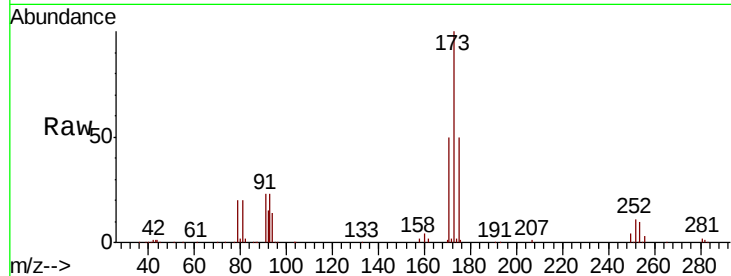
Tot Ion:173 Resp: 175440

Ion Ratio Lower Upper

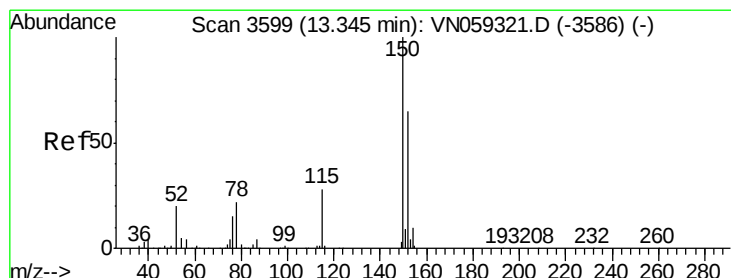
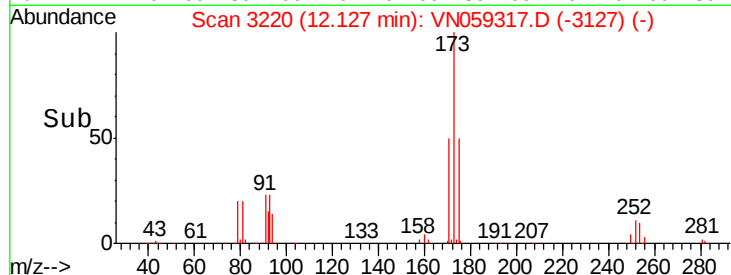
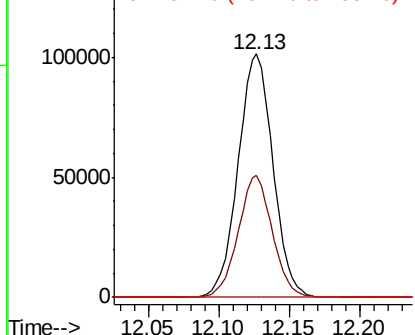
173 100

175 49.1 24.6 73.6

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# 3599

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

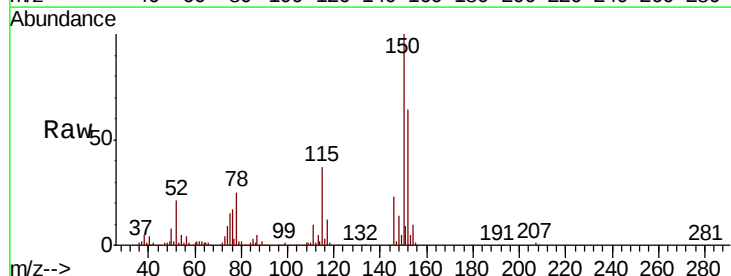
Tgt Ion:152 Resp: 222047

Ion Ratio Lower Upper

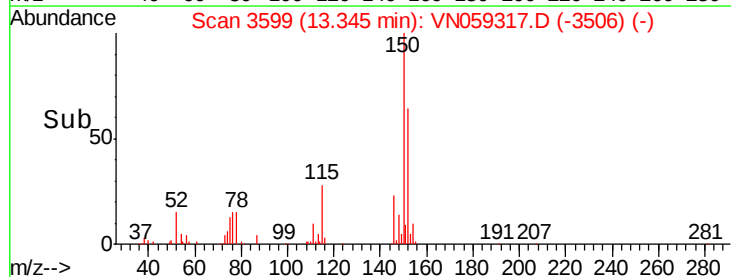
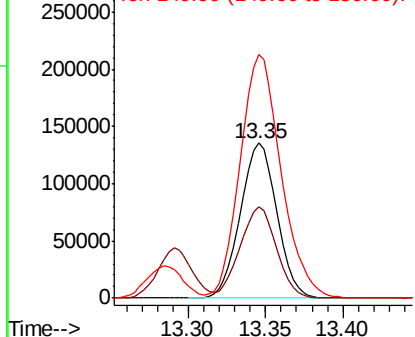
152 100

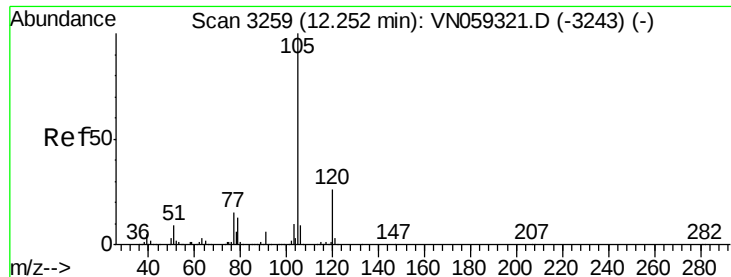
115 58.7 29.3 88.0

150 177.0 0.0 346.0



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





#73

Isopropylbenzene

Concen: 59.237 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

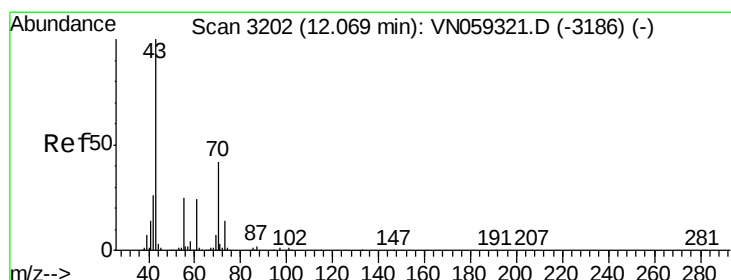
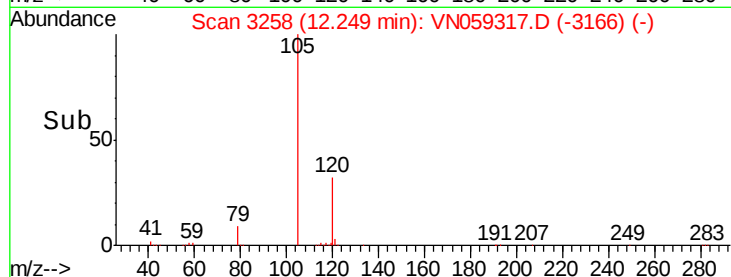
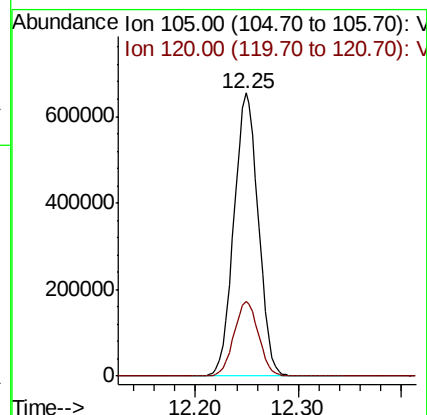
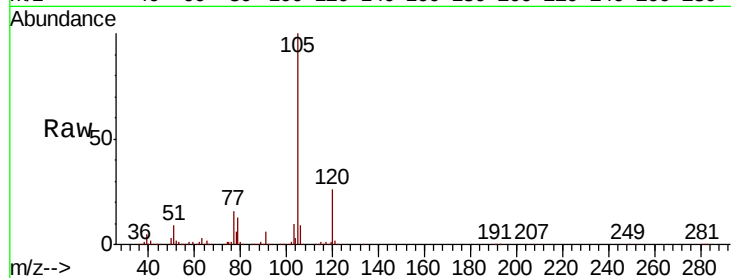
ClientSampleId :

Tot Ion:105 Resp: 1077499

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 60.874 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Tgt Ion: 43 Resp: 445005

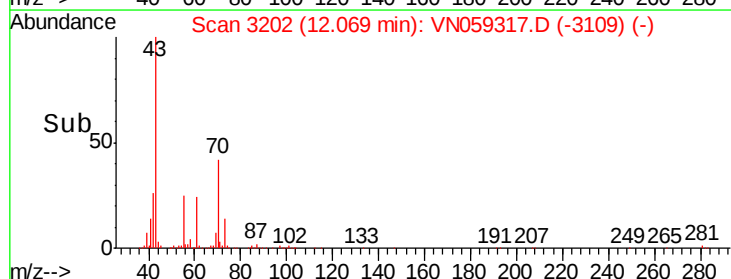
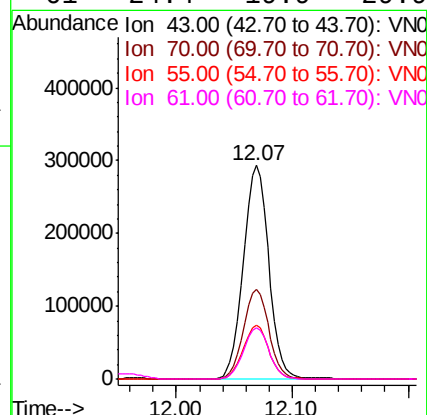
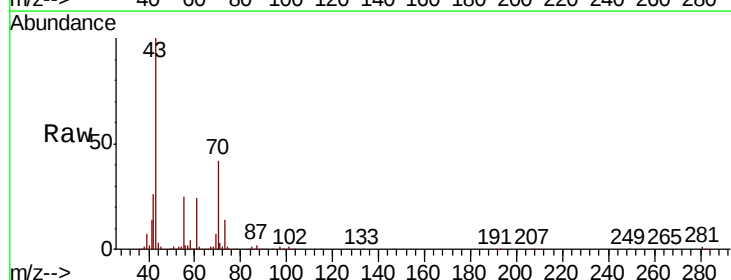
Ion Ratio Lower Upper

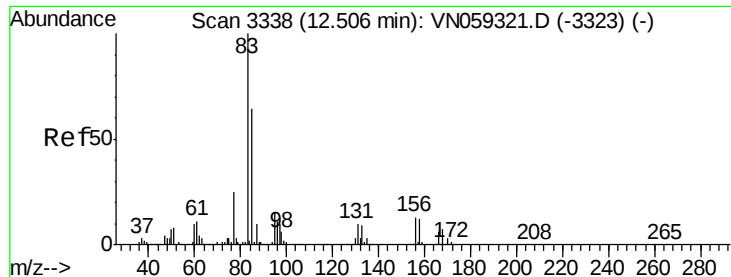
43 100

70 42.5 33.8 50.6

55 25.4 20.3 30.5

61 24.4 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 57.023 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

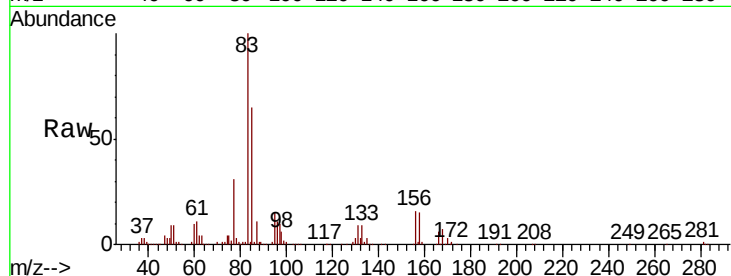
Tot Ion: 83 Resp: 343117

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

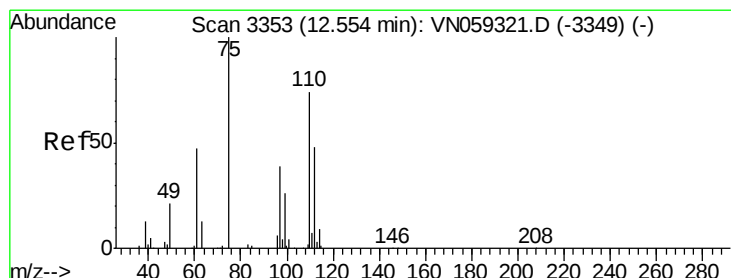
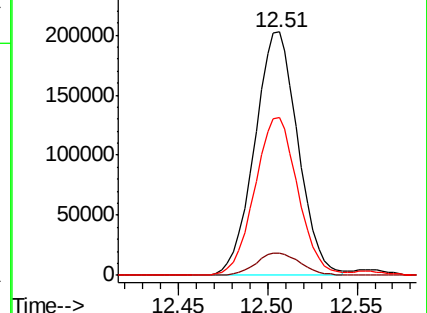
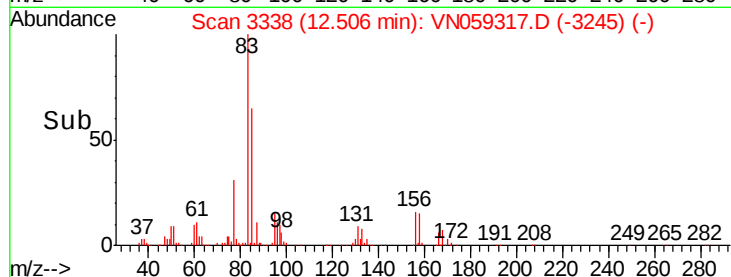
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN059317.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059317.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059317.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 88.788 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059317.D

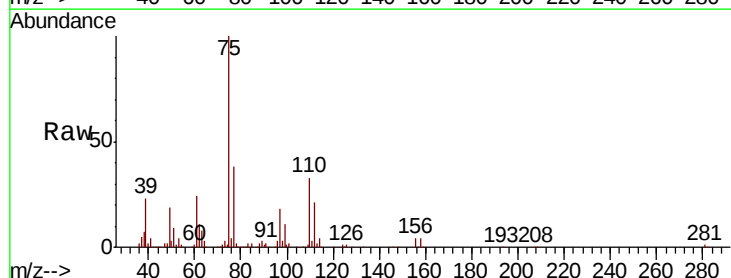
Acq: 20 Nov 2019 10:41

Tgt Ion: 75 Resp: 455470

Ion Ratio Lower Upper

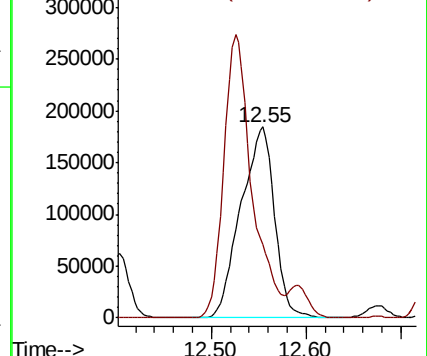
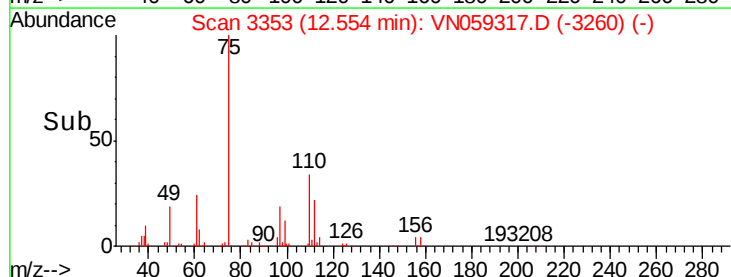
75 100

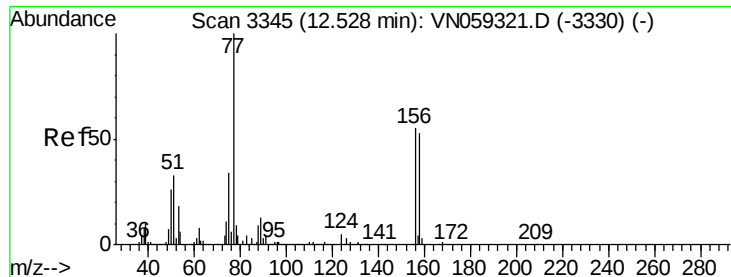
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059317.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059317.D (-3260) (-)





#77

Bromobenzene

Concen: 57.377 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

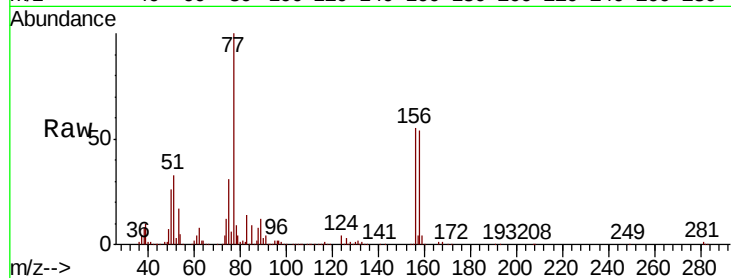
Tot Ion:156 Resp: 253143

Ion Ratio Lower Upper

156 100

77 224.5 111.1 333.4

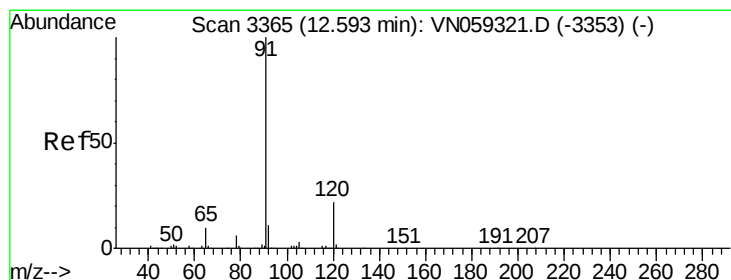
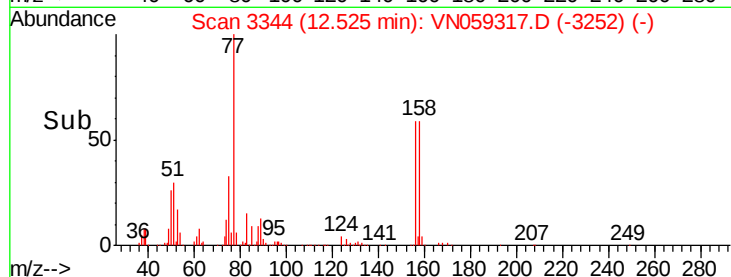
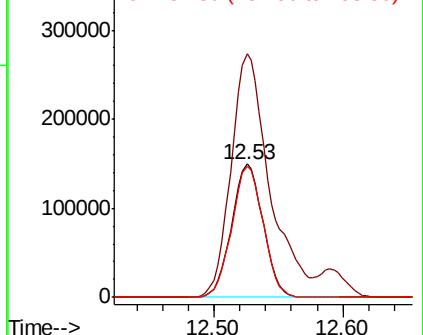
158 98.4 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 61.228 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059317.D

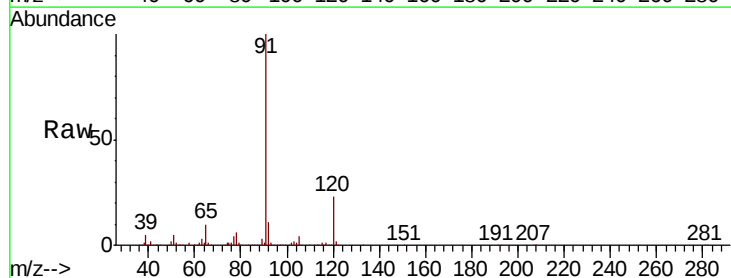
Acq: 20 Nov 2019 10:41

Tgt Ion: 91 Resp: 1261562

Ion Ratio Lower Upper

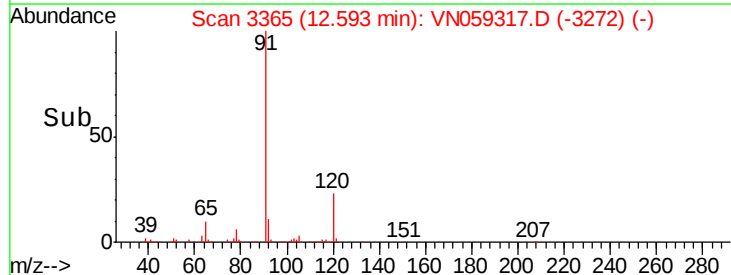
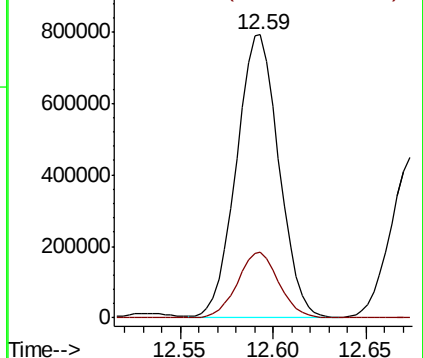
91 100

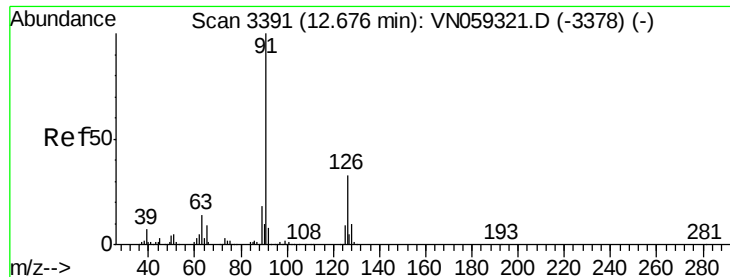
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

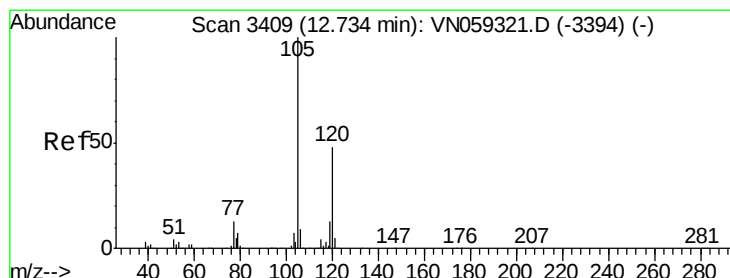
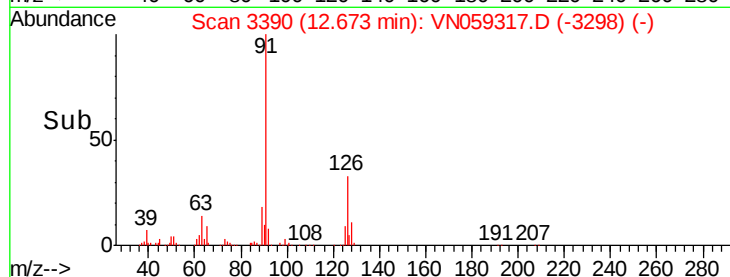
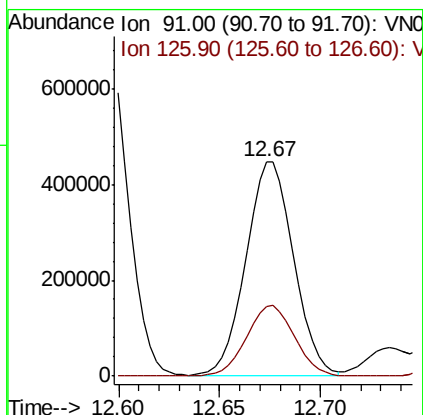
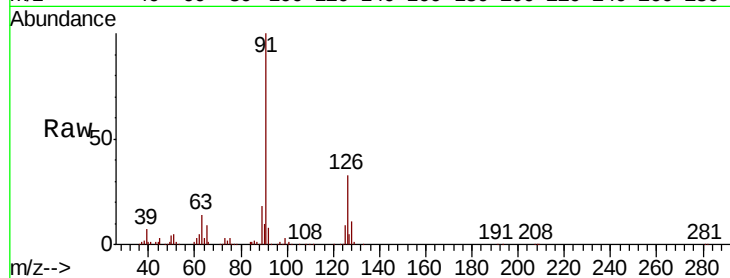




#79
 2-Chlorotoluene
 Concen: 58.722 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

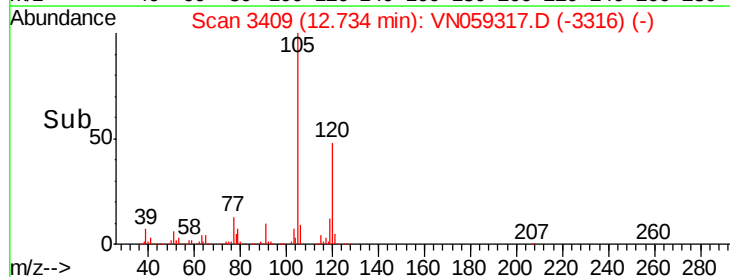
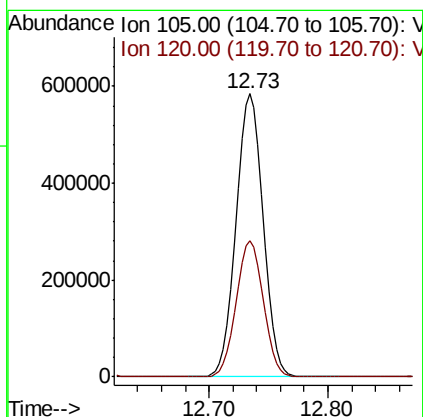
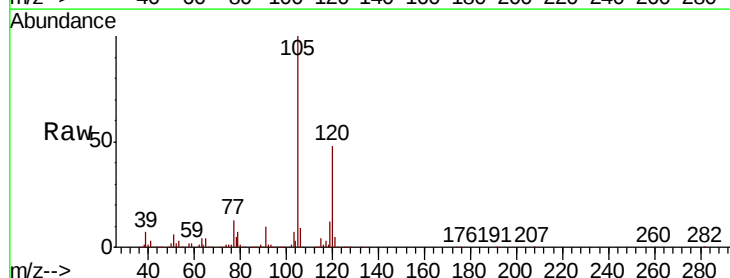
Instrument :
 MSVOA_N
 ClientSampleId :

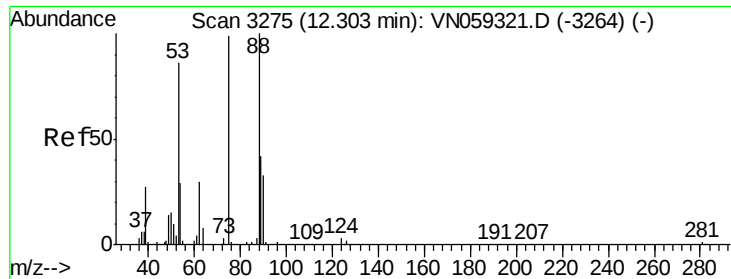
Tot Ion: 91 Resp: 742651
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 60.128 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion: 105 Resp: 919418
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.1 72.4

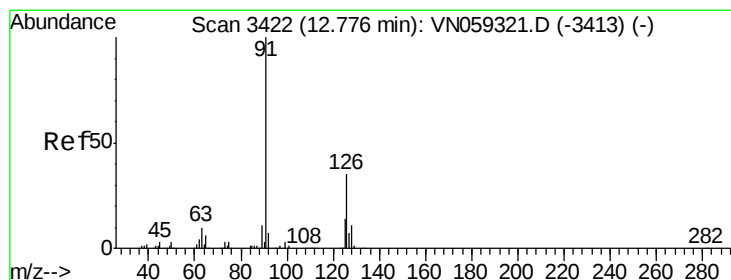
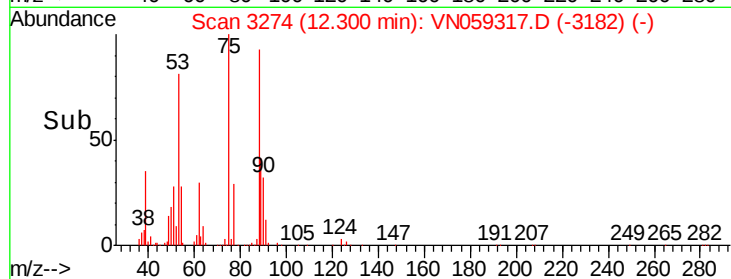
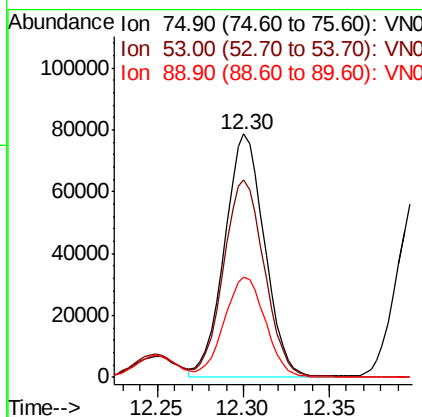
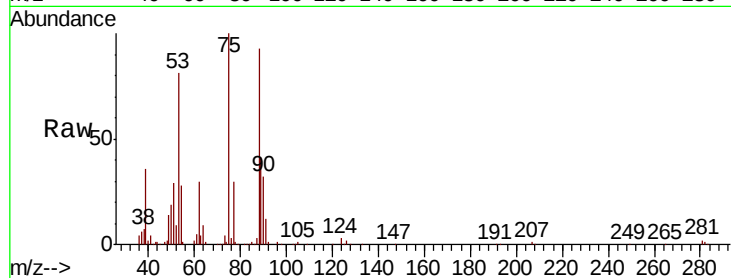




#81
trans-1,4-Dichloro-2-butene
Concen: 61.949 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

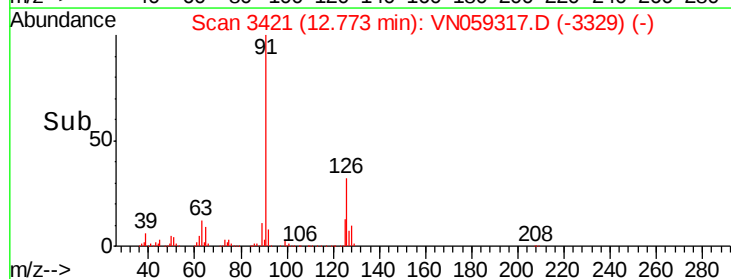
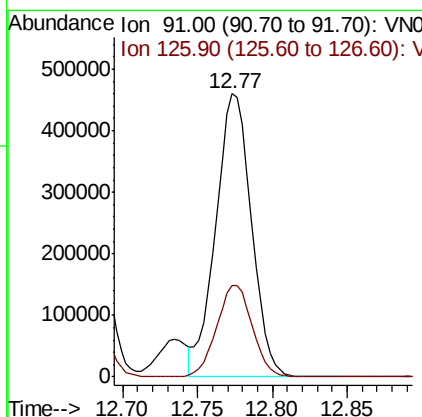
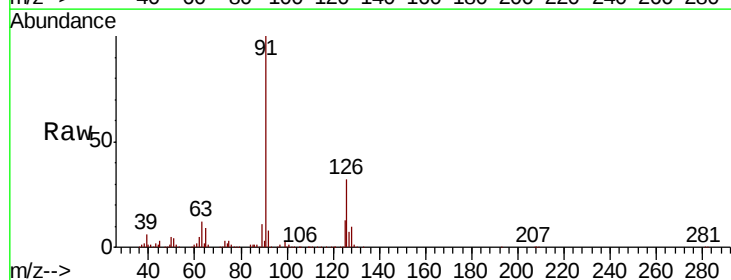
Instrument :
MSVOA_N
ClientSampled :

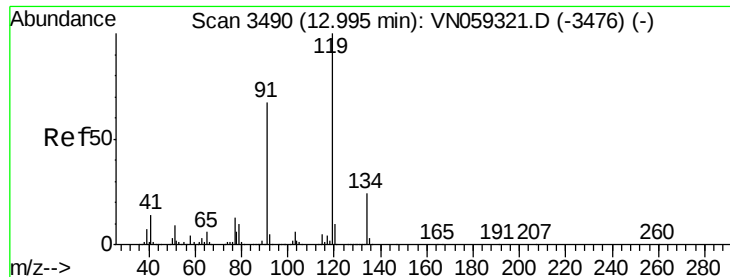
Tot Ion: 75 Resp: 127057
Ion Ratio Lower Upper
75 100
53 83.6 70.7 106.1
89 42.4 35.4 53.0



#82
4-Chlorotoluene
Concen: 58.322 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059317.D
Acq: 20 Nov 2019 10:41

Tgt Ion: 91 Resp: 763276
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.6





#83

tert-Butylbenzene

Concen: 59.792 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

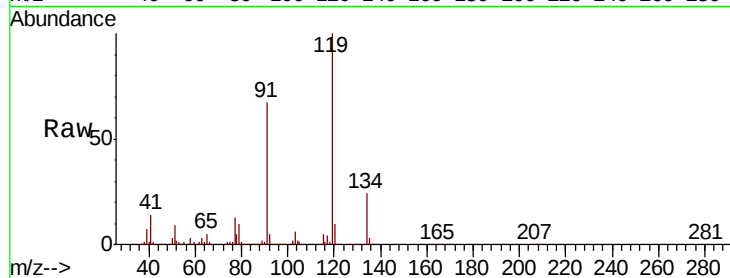
Tot Ion:119 Resp: 772165

Ion Ratio Lower Upper

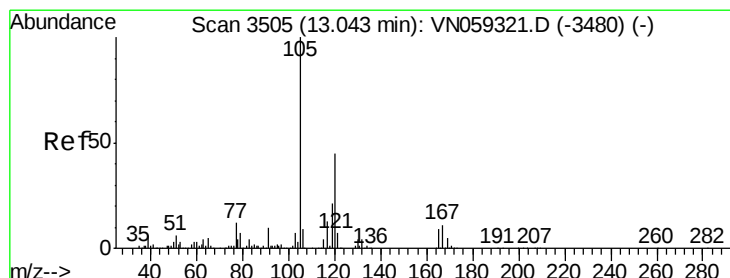
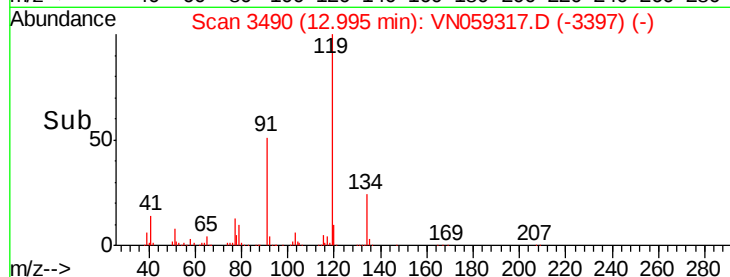
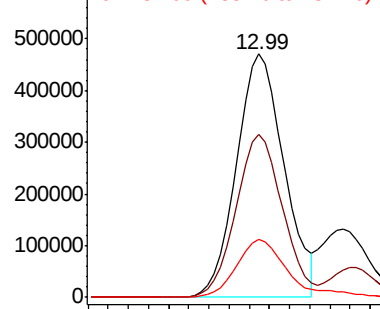
119 100

91 65.4 32.8 98.4

134 25.6 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 60.050 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059317.D

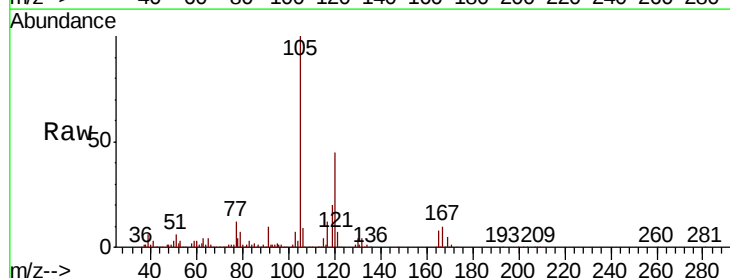
Acq: 20 Nov 2019 10:41

Tgt Ion:105 Resp: 899466

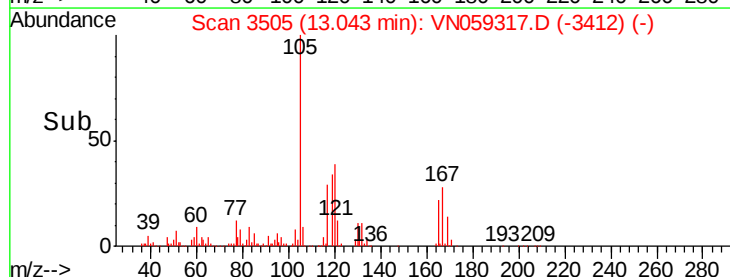
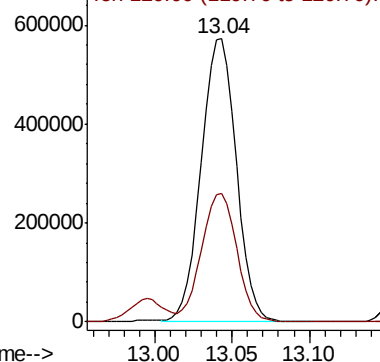
Ion Ratio Lower Upper

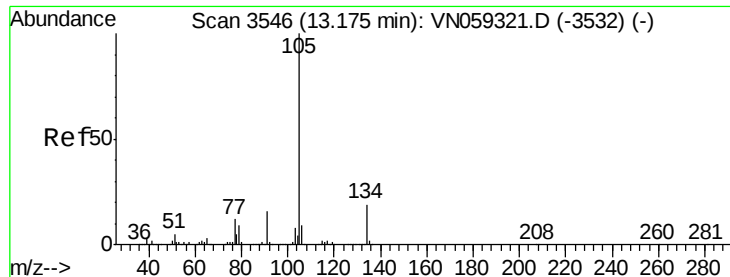
105 100

120 45.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 59.747 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

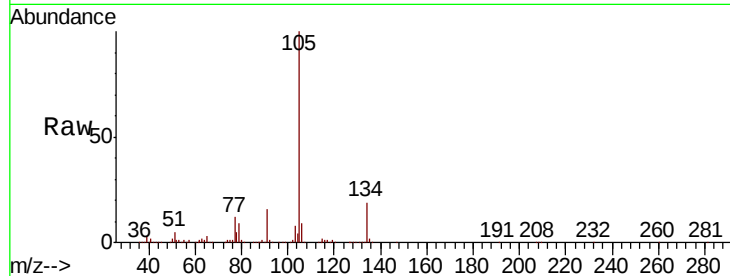
ClientSampled :

Tot Ion:105 Resp: 1037049

Ion Ratio Lower Upper

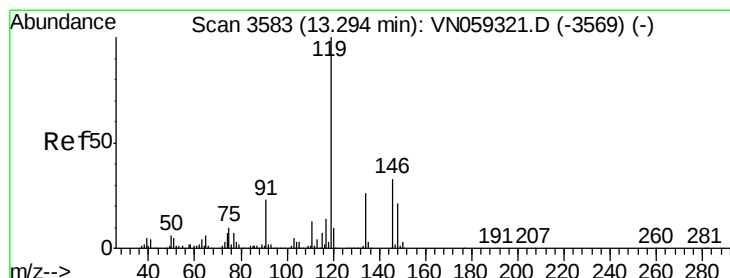
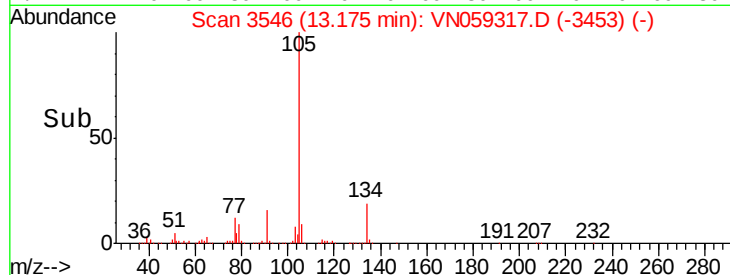
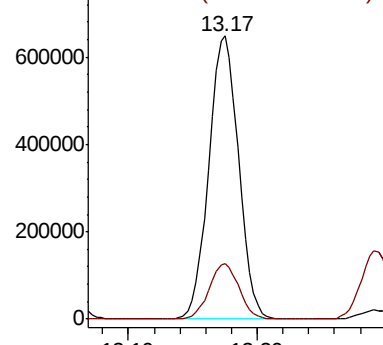
105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 61.367 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

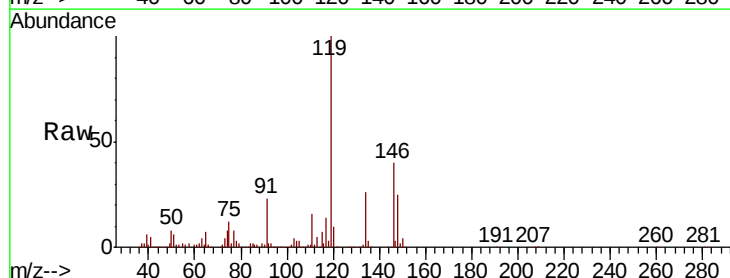
Tgt Ion:119 Resp: 947846

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

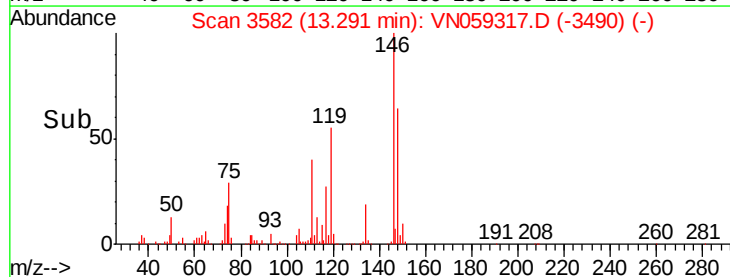
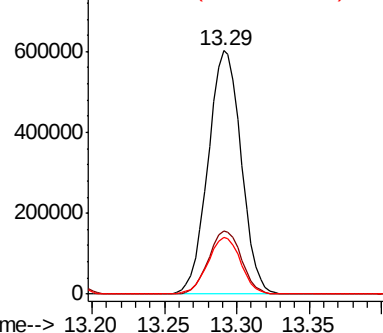
91 23.2 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 57.988 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

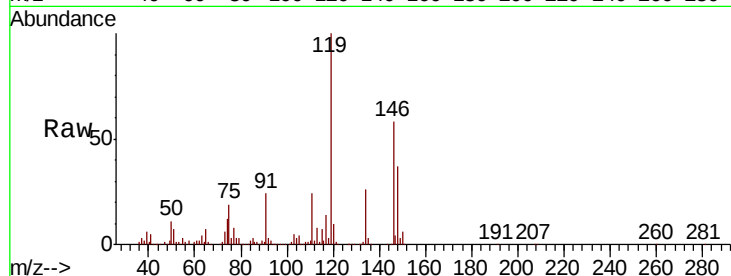
Tot Ion:146 Resp: 455610

Ion Ratio Lower Upper

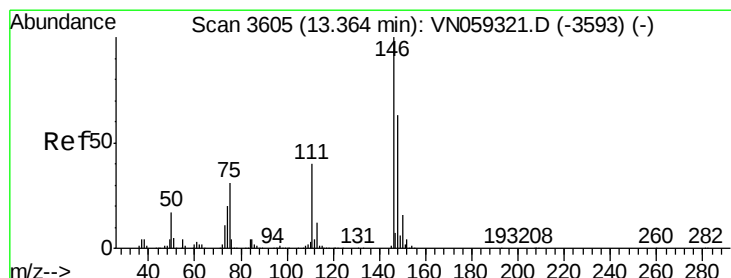
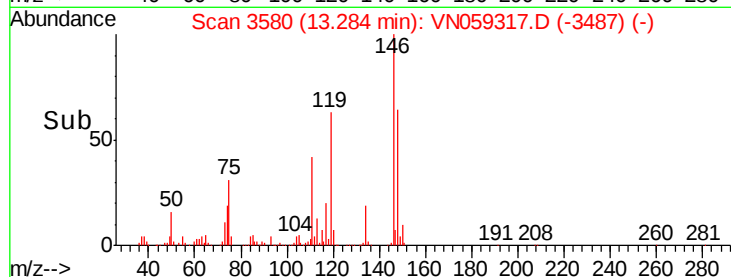
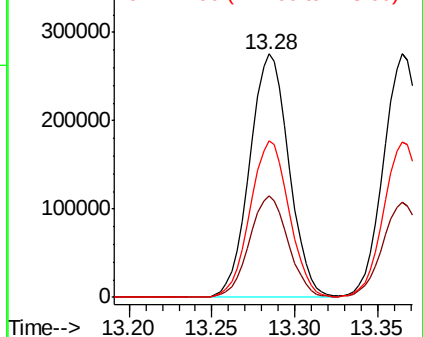
146 100

111 41.0 20.6 61.8

148 63.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 58.052 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

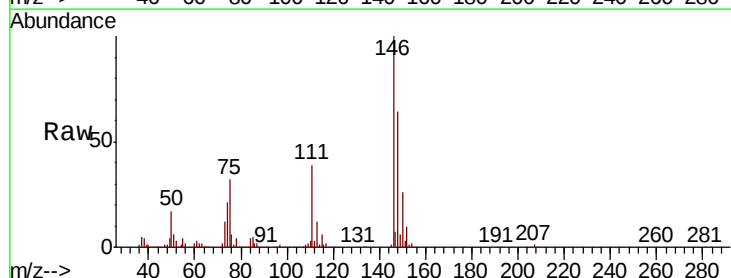
Tgt Ion:146 Resp: 451283

Ion Ratio Lower Upper

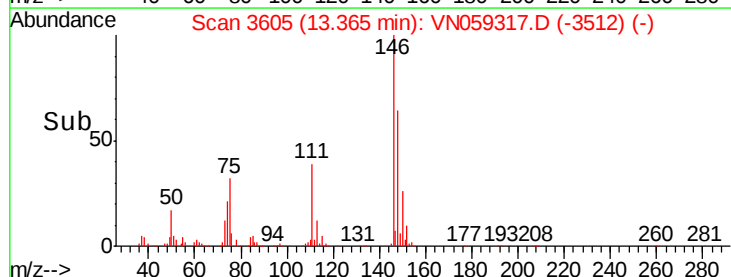
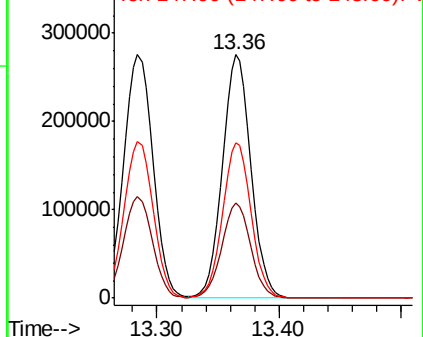
146 100

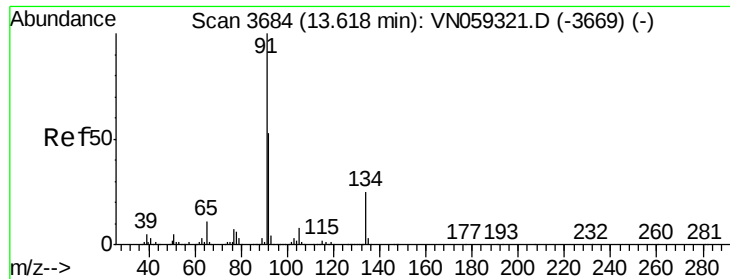
111 39.4 20.1 60.3

148 64.0 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 61.553 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampleId :

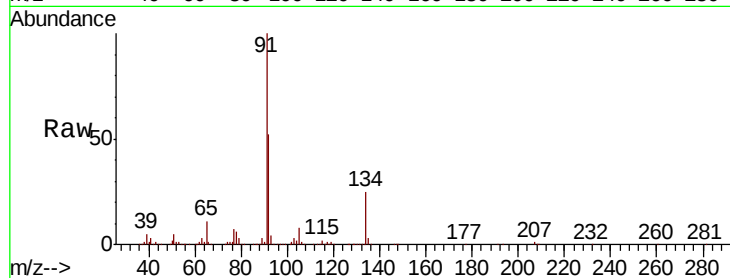
Tot Ion: 91 Resp: 834011

Ion Ratio Lower Upper

91 100

92 52.5 26.0 78.0

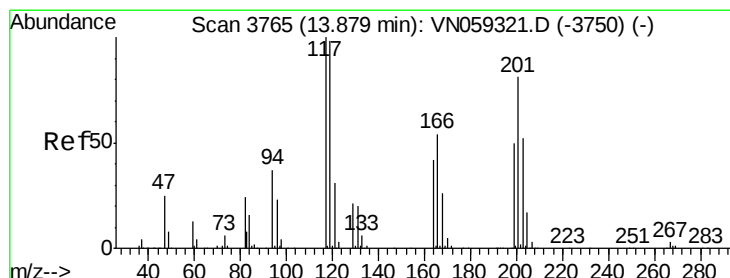
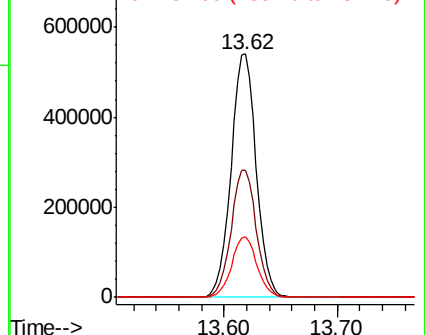
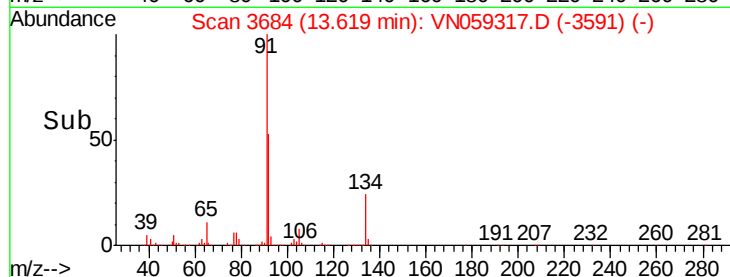
134 24.9 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN059317.D (-3591) (-)

Ion 92.00 (91.70 to 92.70): VN059317.D (-3591) (-)

Ion 134.00 (133.70 to 134.70): VN059317.D (-3591) (-)



#90

Hexachloroethane

Concen: 58.573 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059317.D

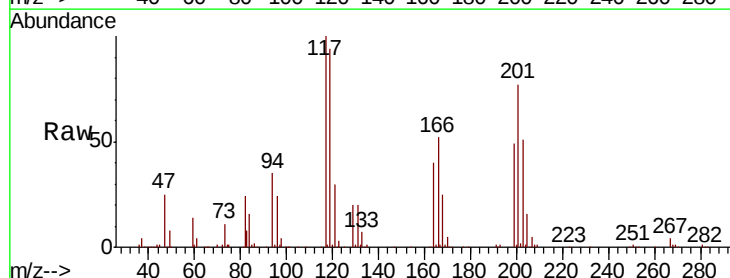
Acq: 20 Nov 2019 10:41

Tgt Ion: 117 Resp: 171334

Ion Ratio Lower Upper

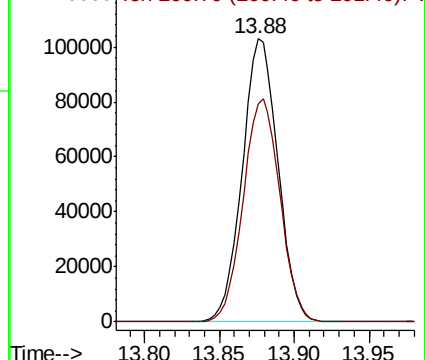
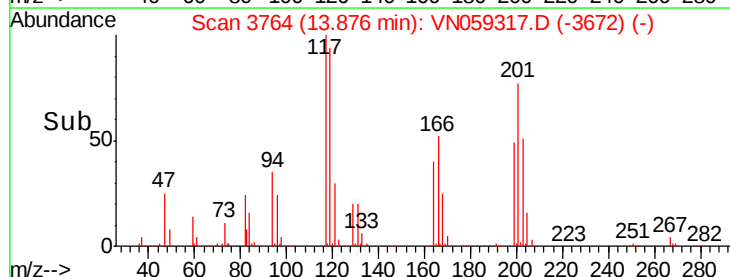
117 100

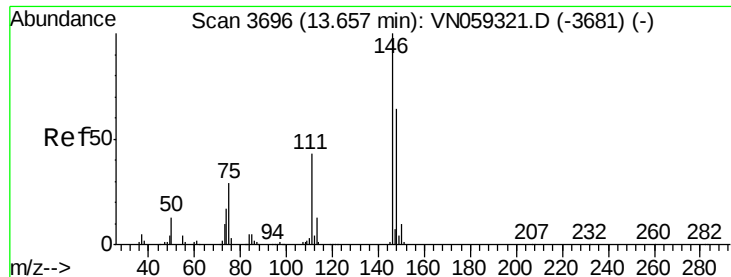
201 81.1 40.4 121.2



Abundance Ion 116.80 (116.50 to 117.50): VN059317.D (-3672) (-)

Ion 200.70 (200.40 to 201.40): VN059317.D (-3672) (-)

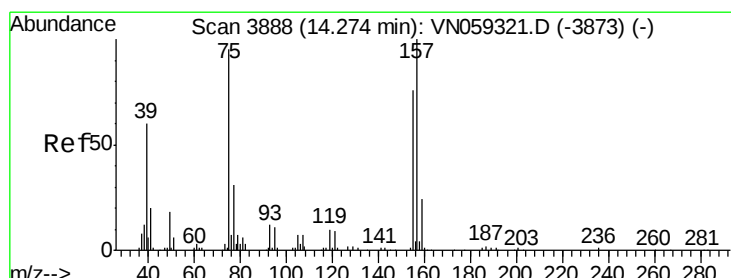
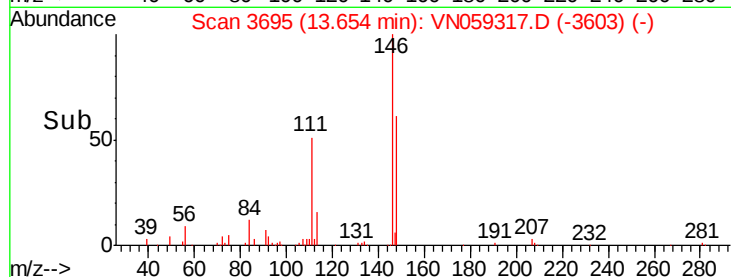
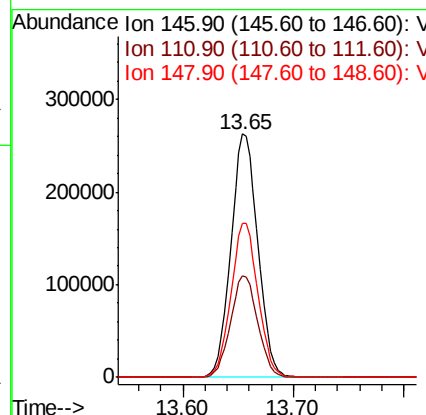
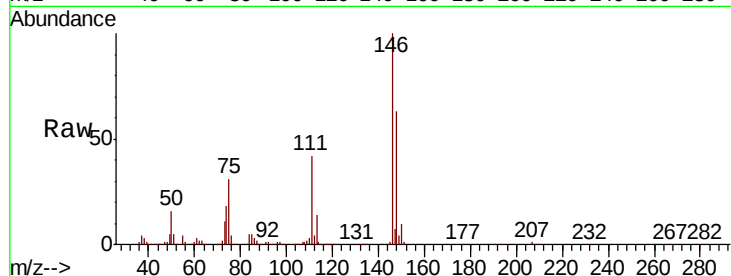




#91
 1,2-Dichlorobenzene
 Concen: 58.345 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

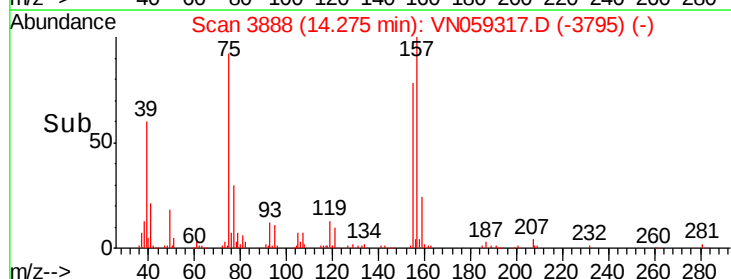
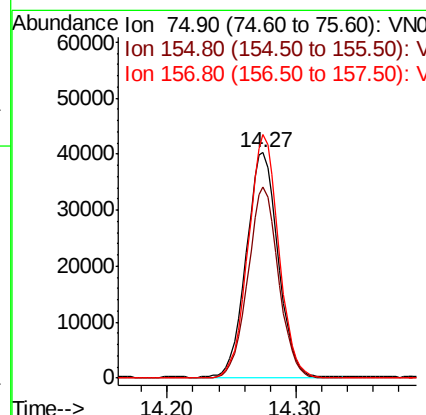
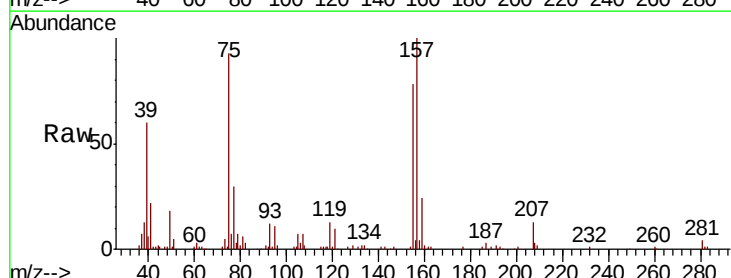
Instrument :
 MSVOA_N
 ClientSampleId :

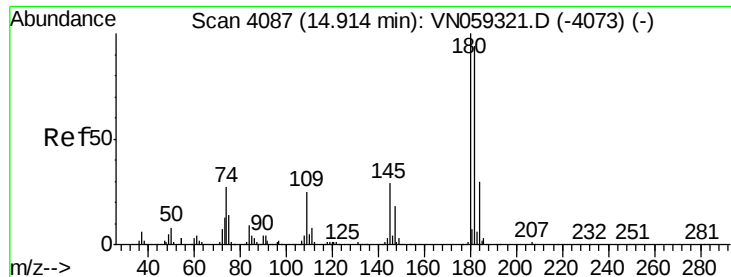
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.7	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.744 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.5	121.5
157	104.0	52.7	158.1

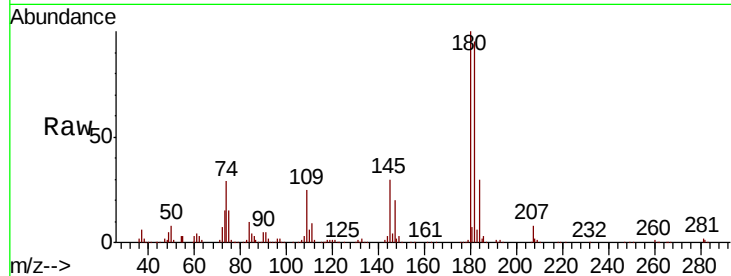




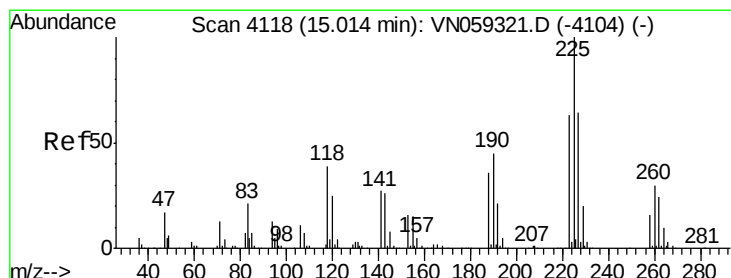
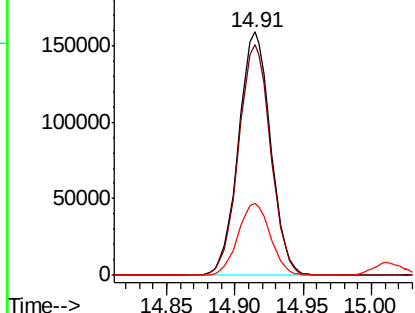
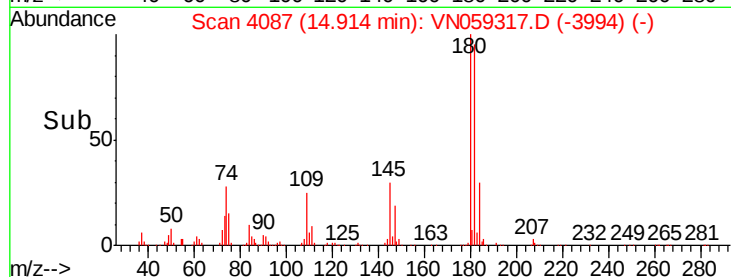
#93
 1,2,4-Trichlorobenzene
 Concen: 54.519 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 259100
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.2 141.6
 145 29.8 14.9 44.5

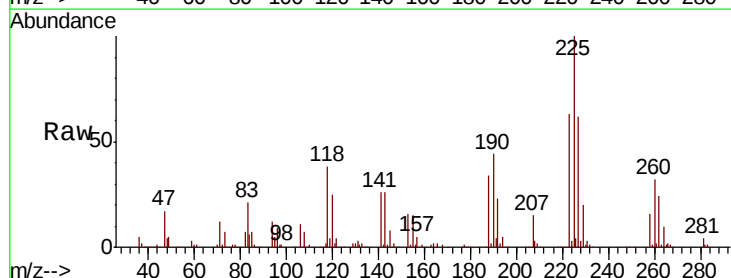


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

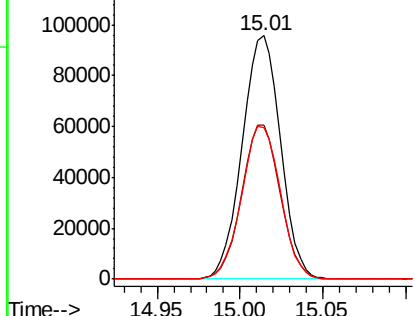
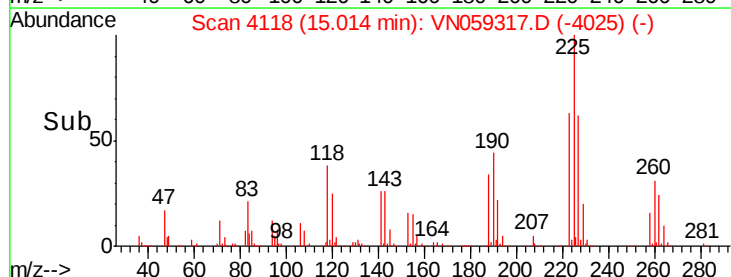


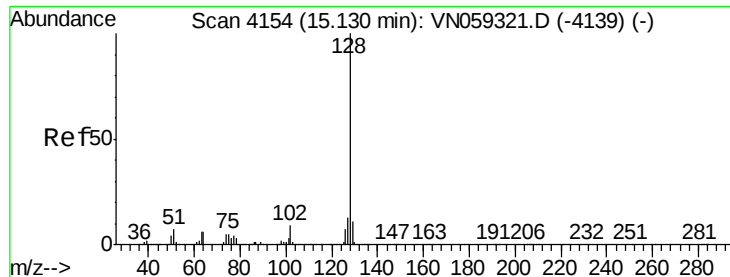
#94
 Hexachlorobutadiene
 Concen: 56.508 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059317.D
 Acq: 20 Nov 2019 10:41

Tgt Ion:225 Resp: 154763
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.6 94.8
 227 63.4 32.6 97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.929 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

Instrument :

MSVOA_N

ClientSampled :

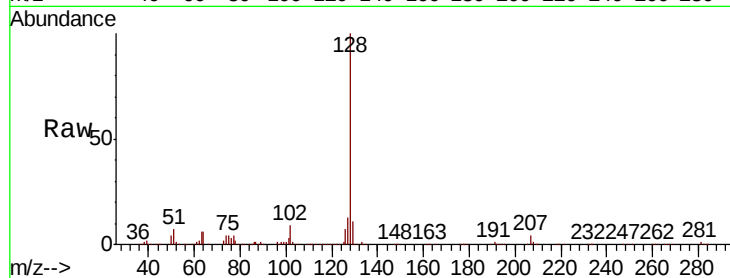
Tot Ion:128 Resp: 681542

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

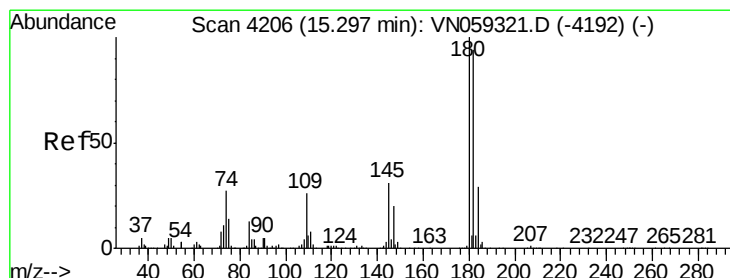
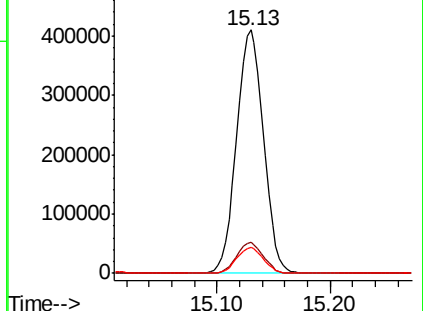
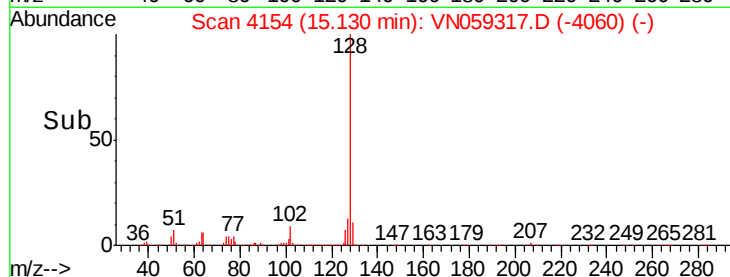
129 10.6 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 53.628 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059317.D

Acq: 20 Nov 2019 10:41

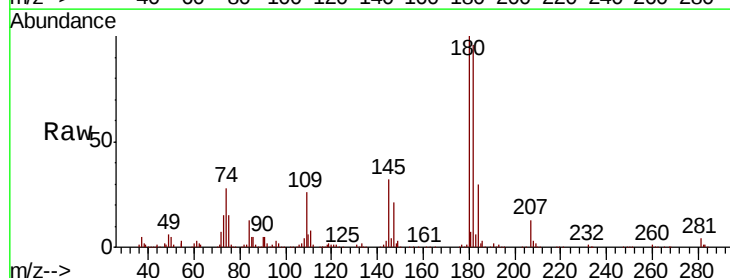
Tgt Ion:180 Resp: 249527

Ion Ratio Lower Upper

180 100

182 96.0 47.1 141.4

145 31.5 15.6 46.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

