

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059142.D
 Acq On : 8 Nov 2019 18:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 11 00:59:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	523957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	844037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	772909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	375796	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	326588	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
35) Dibromofluoromethane	7.57	113	255526	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
50) Toluene-d8	10.08	98	1009678	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	391082	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	239371	45.343	ug/l	100
3) Chloromethane	2.04	50	321375	44.784	ug/l	100
4) Vinyl Chloride	2.17	62	322493	46.353	ug/l	100
5) Bromomethane	2.53	94	164151	41.000	ug/l	98
6) Chloroethane	2.67	64	192226	46.707	ug/l	99
7) Trichlorofluoromethane	2.99	101	398625	47.902	ug/l	99
8) Diethyl Ether	3.39	74	173755	51.387	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	245832	48.995	ug/l	98
10) Methyl Iodide	3.92	142	305828	49.243	ug/l	99
11) Tert butyl alcohol	4.75	59	298552	243.225	ug/l	100
12) 1,1-Dichloroethene	3.71	96	243361	49.790	ug/l	100
13) Acrolein	3.58	56	141555	223.675	ug/l	99
14) Allyl chloride	4.29	41	478871	47.696	ug/l	99
15) Acrylonitrile	4.95	53	791757	259.188	ug/l	98
16) Acetone	3.79	43	765105	228.435	ug/l	98
17) Carbon Disulfide	4.02	76	678955	44.749	ug/l	100
18) Methyl Acetate	4.29	43	406092	51.081	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	884918	52.587	ug/l	99
20) Methylene Chloride	4.52	84	286595	49.116	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	258394	49.251	ug/l	96
22) Diisopropyl ether	5.92	45	953677	50.289	ug/l	99
23) Vinyl Acetate	5.86	43	3989163	271.418	ug/l	99
24) 1,1-Dichloroethane	5.82	63	527366	49.789	ug/l	99
25) 2-Butanone	6.81	43	1108473	251.114	ug/l	98
26) 2,2-Dichloropropane	6.80	77	443264	47.860	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	306242	50.313	ug/l	99
28) Bromochloromethane	7.17	49	151071	47.407	ug/l	98
29) Tetrahydrofuran	7.18	42	703277	250.741	ug/l	97
30) Chloroform	7.35	83	502259	49.432	ug/l	100
31) Cyclohexane	7.63	56	473556	47.227	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	436538	51.102	ug/l	100
36) 1,1-Dichloropropene	7.77	75	388047	49.187	ug/l	99
37) Ethyl Acetate	6.90	43	435834	49.659	ug/l	99
38) Carbon Tetrachloride	7.75	117	379889	48.379	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	468087	51.122	ug/l	98
40) Benzene	8.02	78	1164892	49.033	ug/l	100
41) Methacrylonitrile	7.18	41	615345	161.235	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	401480	49.273	ug/l	100
43) Isopropyl Acetate	8.14	43	703136	50.252	ug/l	99
44) Trichloroethene	8.82	130	291490	49.913	ug/l	99
45) 1,2-Dichloropropane	9.10	63	317572	49.214	ug/l	98
46) Dibromomethane	9.19	93	195695	48.667	ug/l	99
47) Bromodichloromethane	9.39	83	397981	49.565	ug/l	97
48) Methyl methacrylate	9.18	41	322393	51.512	ug/l	98
49) 1,4-Dioxane	9.18	88	102469	921.277	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	2169614	274.042	ug/l	99
52) Toluene	10.14	92	719569	50.533	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	482170	51.976	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	509963	51.105	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	285368	49.519	ug/l	99
56) Ethyl methacrylate	10.42	69	485015	50.443	ug/l	99
57) 1,3-Dichloropropane	10.70	76	505889	51.005	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	935340	291.640	ug/l	99
59) 2-Hexanone	10.74	43	1660919	273.325	ug/l	98
60) Dibromochloromethane	10.90	129	308495	50.631	ug/l	99
61) 1,2-Dibromoethane	11.00	107	297755	51.039	ug/l	99
64) Tetrachloroethene	10.62	164	252315	48.008	ug/l	99
65) Chlorobenzene	11.43	112	767227	50.921	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	283928	50.235	ug/l	100
67) Ethyl Benzene	11.51	91	1418974	53.081	ug/l	98
68) m/p-Xylenes	11.62	106	1052003	105.057	ug/l	99
69) o-Xylene	11.94	106	511456	52.852	ug/l	98
70) Styrene	11.96	104	862770	56.688	ug/l	99
71) Bromoform	12.12	173	224735	51.119	ug/l #	99
73) Isopropylbenzene	12.25	105	1373365	50.241	ug/l	100
74) N-amyl acetate	12.07	43	628781	54.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	440362	47.305	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	608009	71.065	ug/l #	100
77) Bromobenzene	12.53	156	336113	48.940	ug/l	97
78) n-propylbenzene	12.59	91	1615920	51.628	ug/l	100
79) 2-Chlorotoluene	12.67	91	956843	49.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1180376	50.960	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	168448	52.003	ug/l	97
82) 4-Chlorotoluene	12.77	91	974150	50.022	ug/l	98
83) tert-Butylbenzene	12.99	119	975544	48.770	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1171764	52.288	ug/l	99
85) sec-Butylbenzene	13.17	105	1328615	51.072	ug/l	100
86) p-Isopropyltoluene	13.29	119	1219596	53.095	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	590510	50.211	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	590835	50.212	ug/l	99
89) n-Butylbenzene	13.62	91	1090908	54.262	ug/l	100
90) Hexachloroethane	13.88	117	215809	46.788	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	577430	49.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97943	52.734	ug/l #	1

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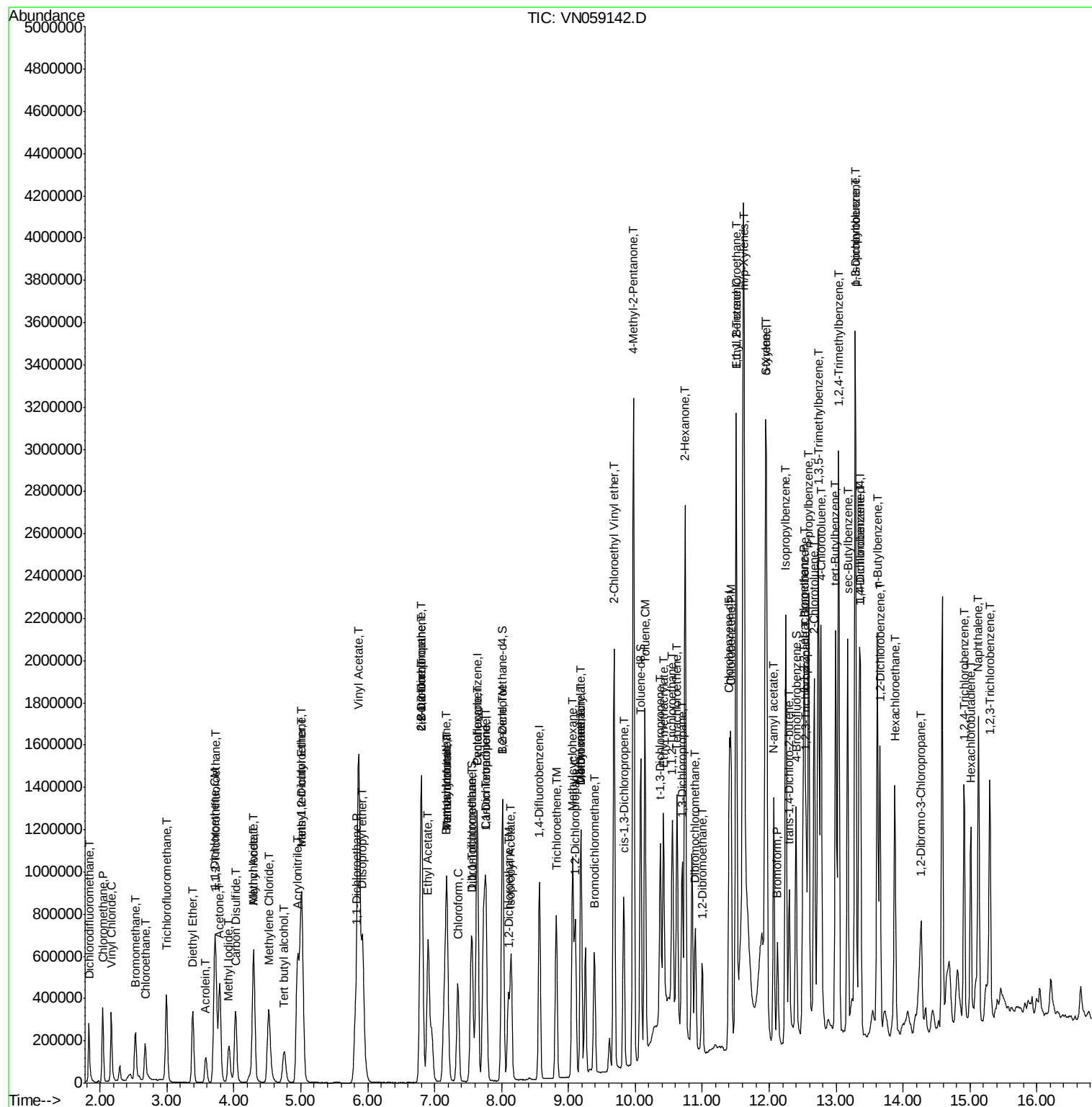
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	364035	51.750	ug/l	98
94) Hexachlorobutadiene	15.01	225	182661	45.791	ug/l	99
95) Naphthalene	15.13	128	1172443	59.585	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	359233	55.407	ug/l	98

(#) = 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. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

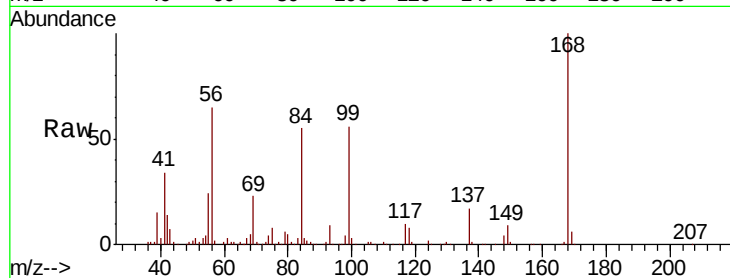
VSTDCCC050EC

Tot Ion:168 Resp: 523957

Ion Ratio Lower Upper

168 100

99 55.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

250000

200000

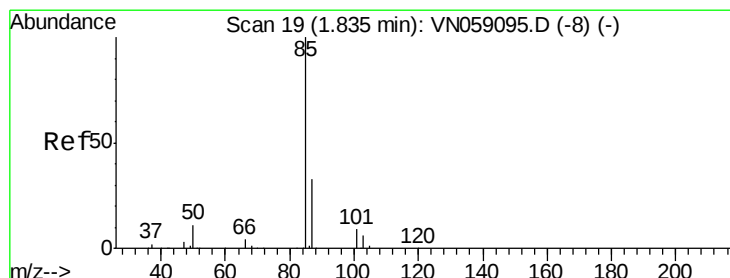
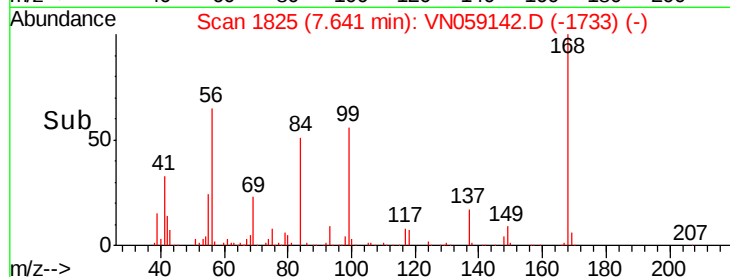
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.343 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059142.D

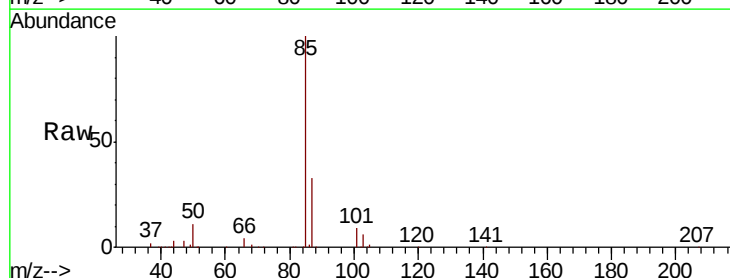
Acq: 8 Nov 2019 18:27

Tgt Ion: 85 Resp: 239371

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

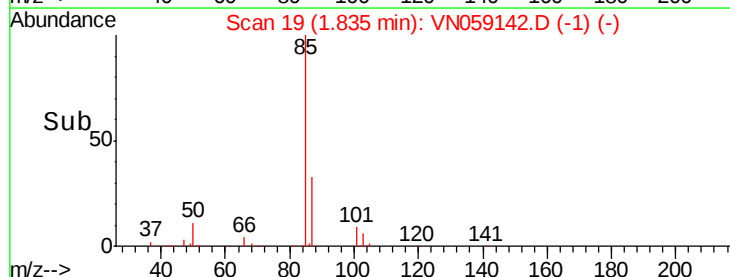
150000

100000

50000

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Time-->





#3

Chloromethane

Concen: 44.784 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

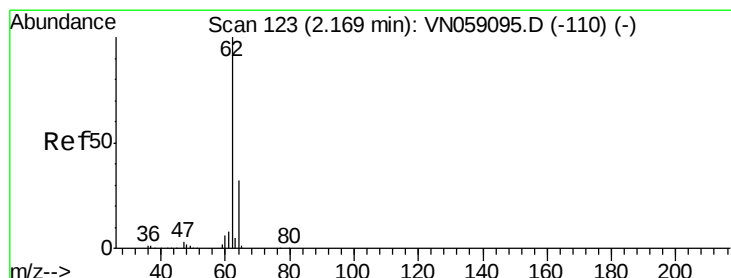
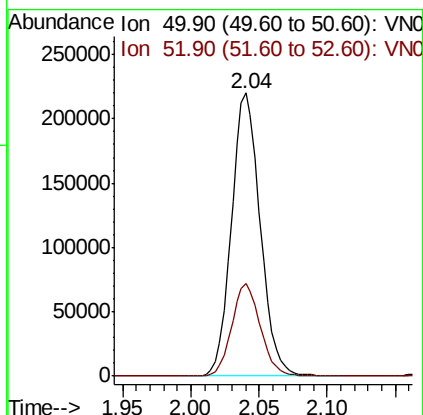
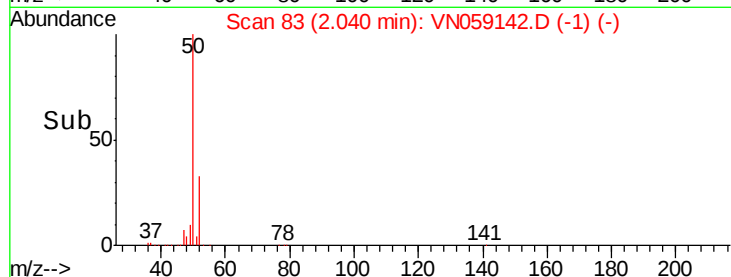
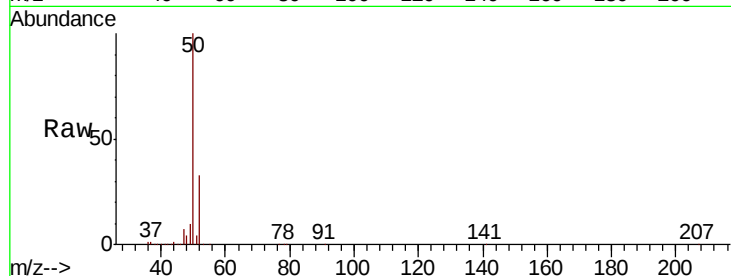
VSTDCCC050EC

Tot Ion: 50 Resp: 321375

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 46.353 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059142.D

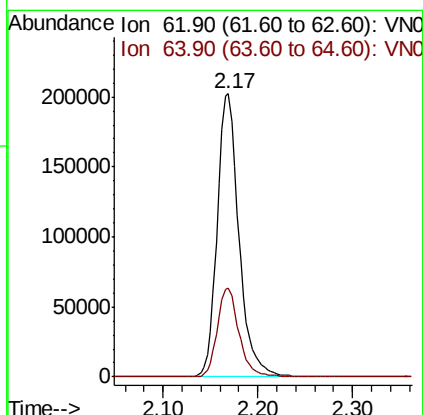
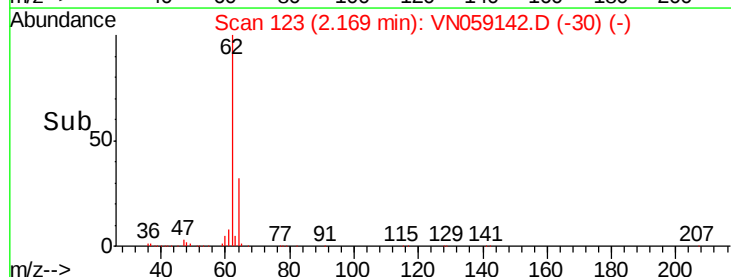
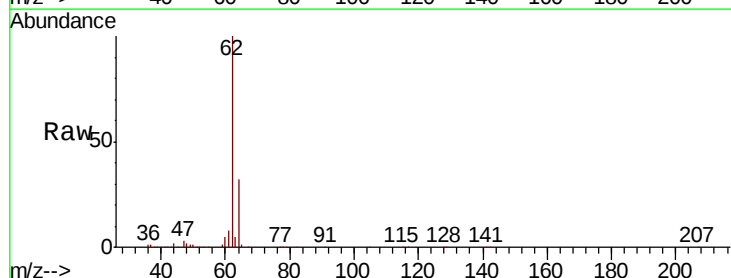
Acq: 8 Nov 2019 18:27

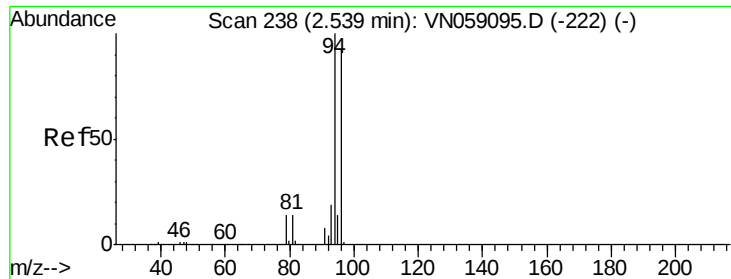
Tgt Ion: 62 Resp: 322493

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2





#5

Bromomethane

Concen: 41.000 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

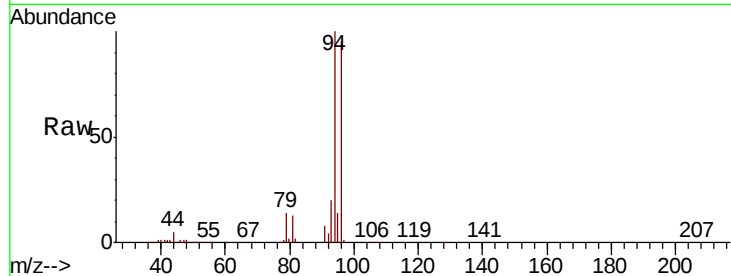
VSTDCCC050EC

Tot Ion: 94 Resp: 164151

Ion Ratio Lower Upper

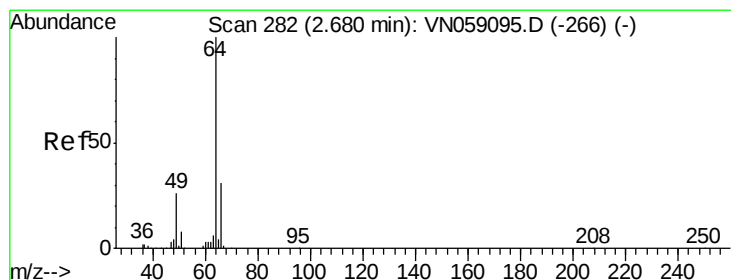
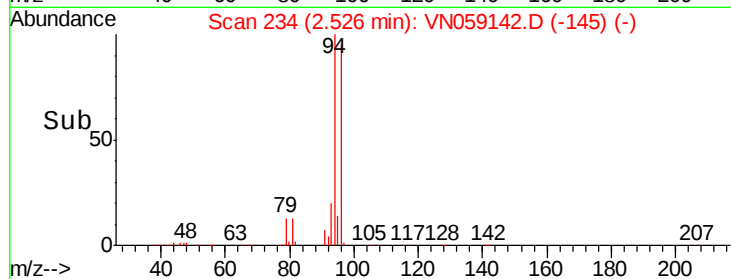
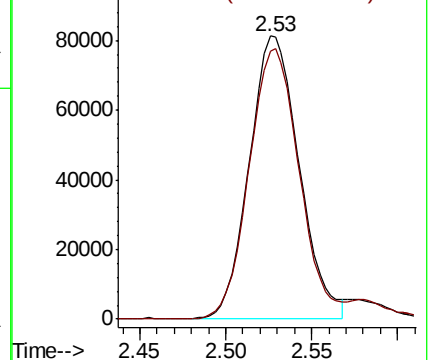
94 100

96 94.2 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.707 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059142.D

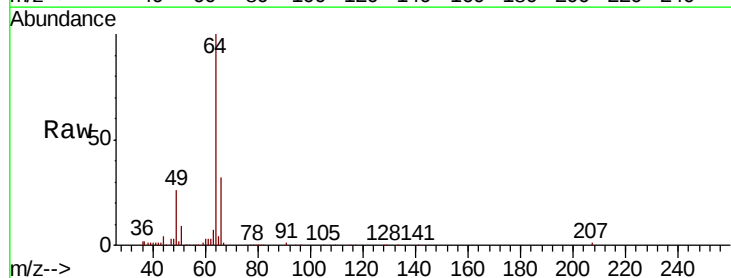
Acq: 8 Nov 2019 18:27

Tgt Ion: 64 Resp: 192226

Ion Ratio Lower Upper

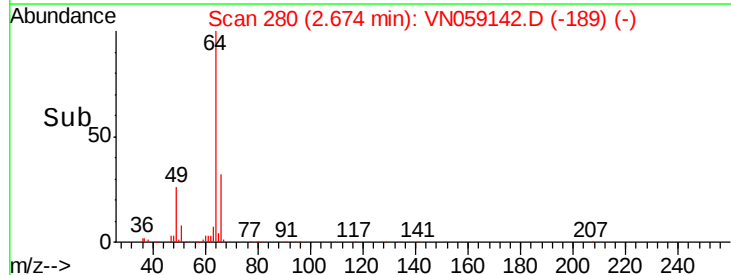
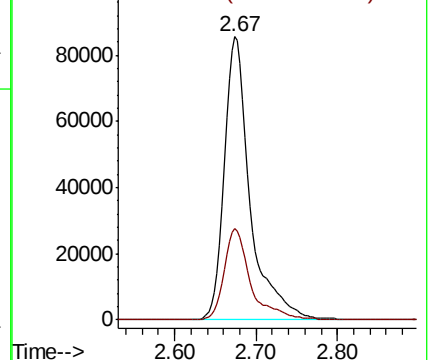
64 100

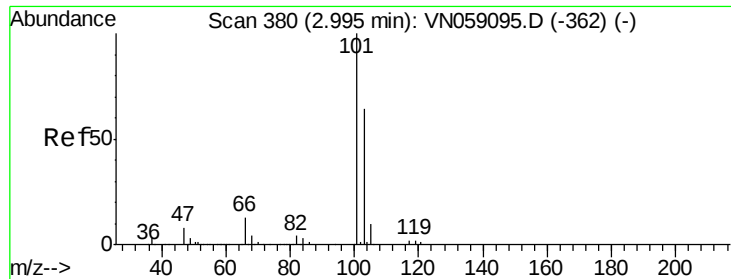
66 32.3 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



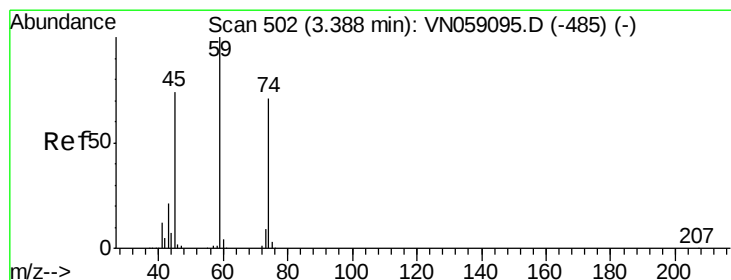
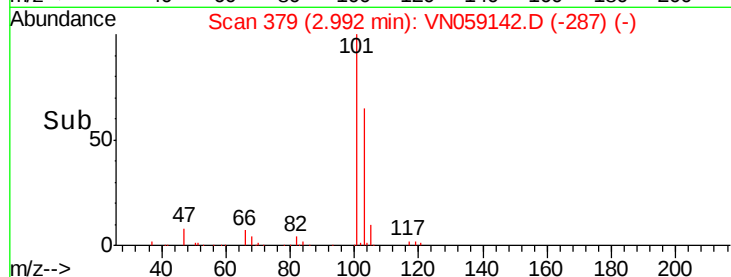
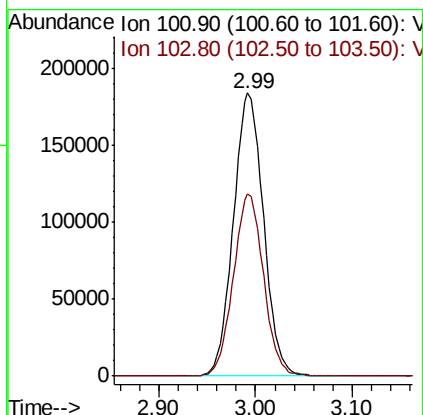
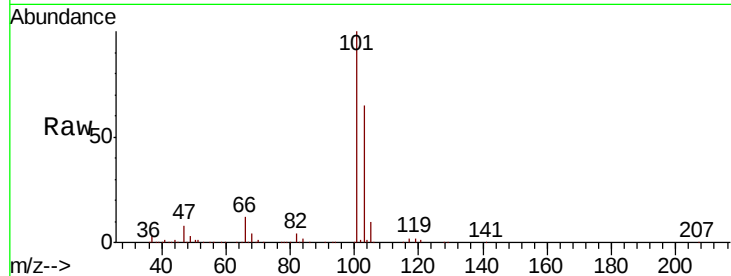


#7

Trichlorofluoromethane
 Concen: 47.902 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

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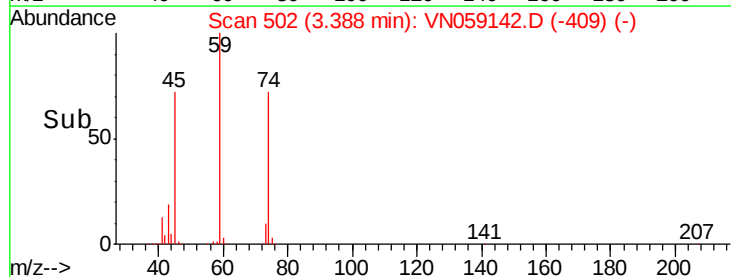
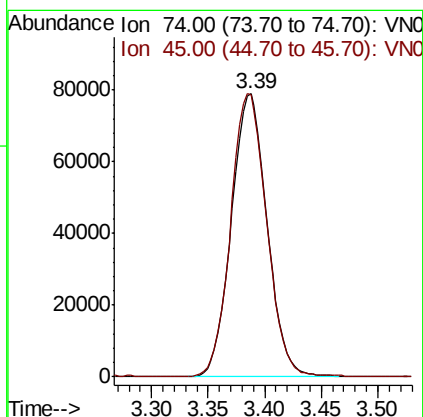
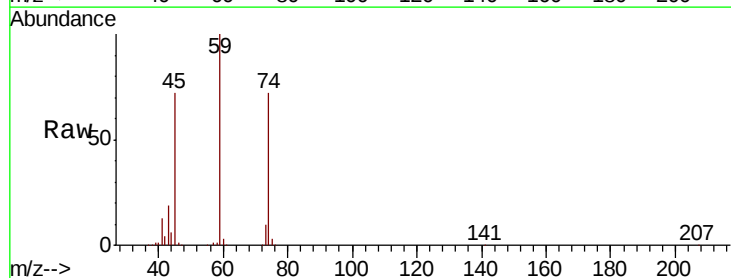
Tot Ion:101 Resp: 398625
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8

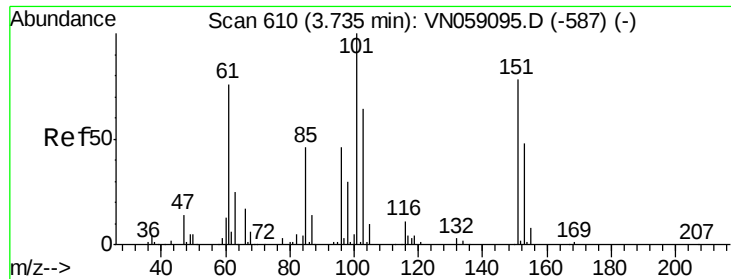


#8

Diethyl Ether
 Concen: 51.387 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion: 74 Resp: 173755
 Ion Ratio Lower Upper
 74 100
 45 100.1 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.995 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

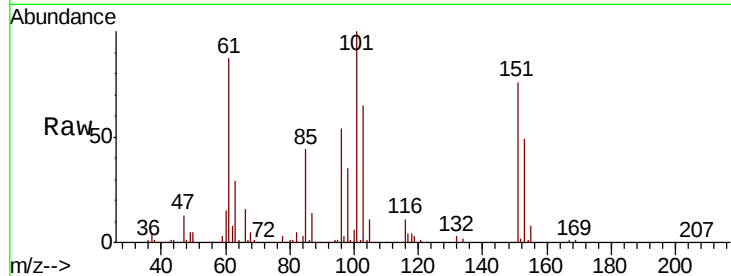
Tot Ion:101 Resp: 245832

Ion Ratio Lower Upper

101 100

85 43.3 35.5 53.3

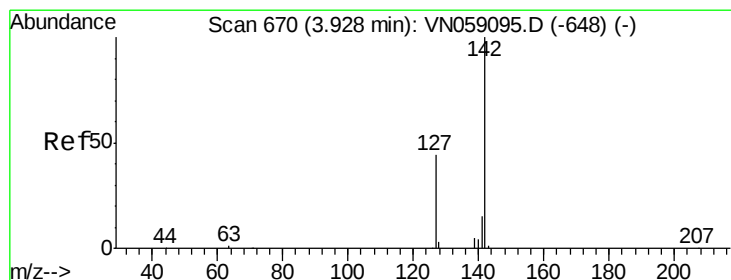
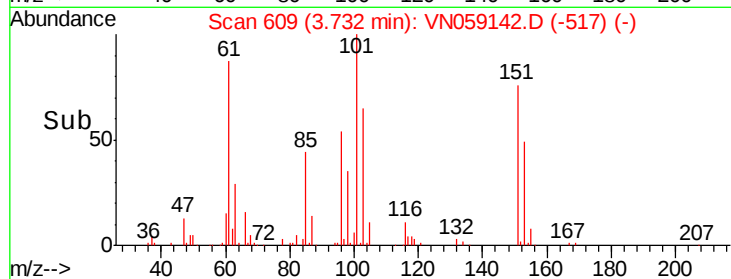
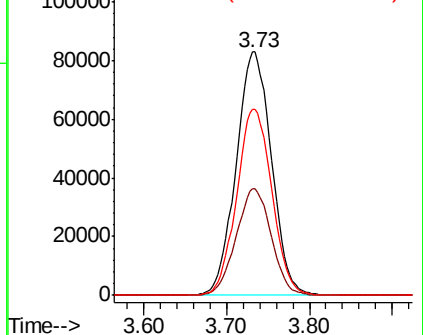
151 76.1 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.243 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

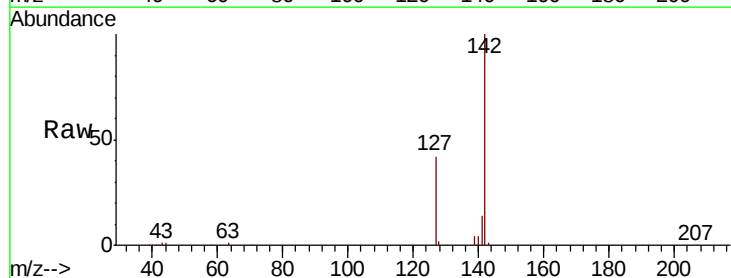
Tgt Ion:142 Resp: 305828

Ion Ratio Lower Upper

142 100

127 41.9 34.2 51.2

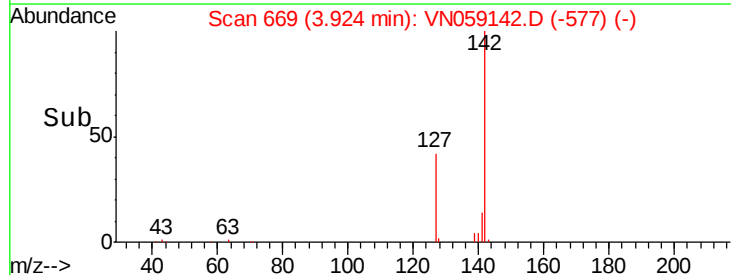
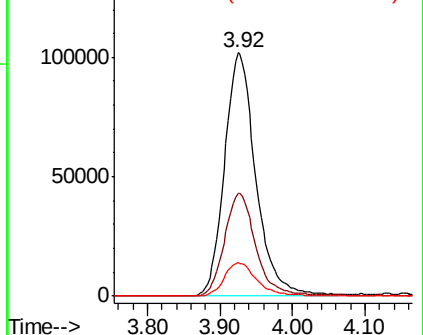
141 14.4 11.4 17.0

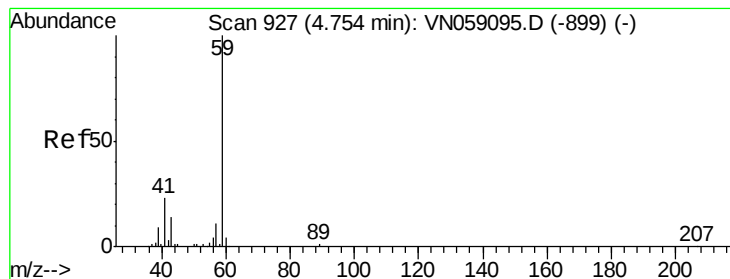


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



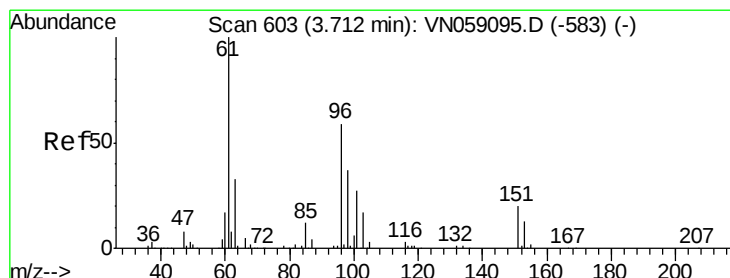
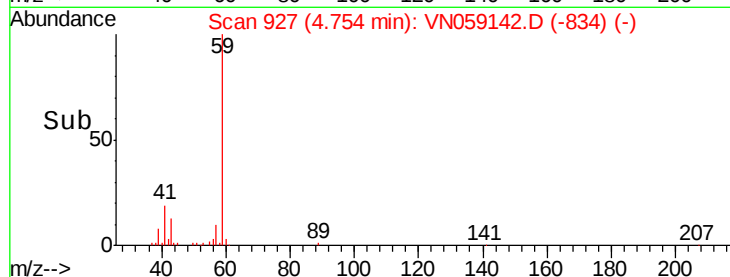
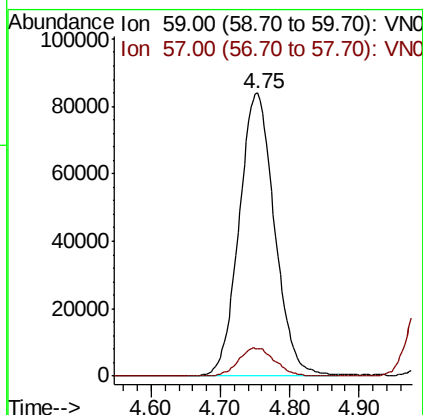
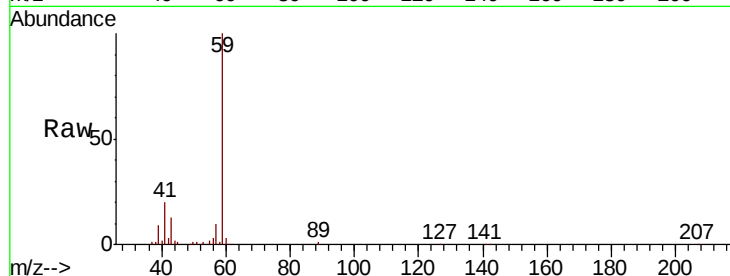


#11

Tert butyl alcohol
 Concen: 243.225 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

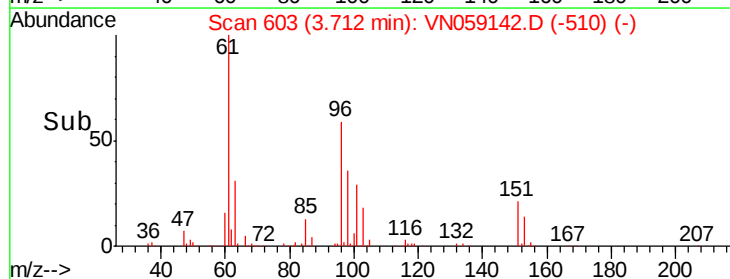
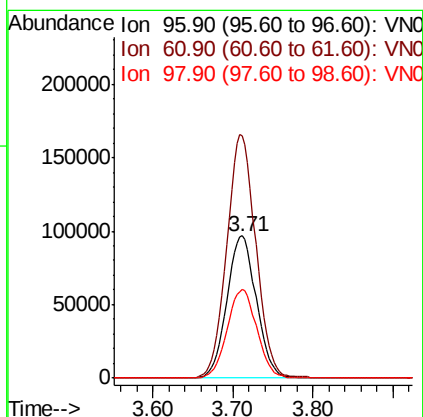
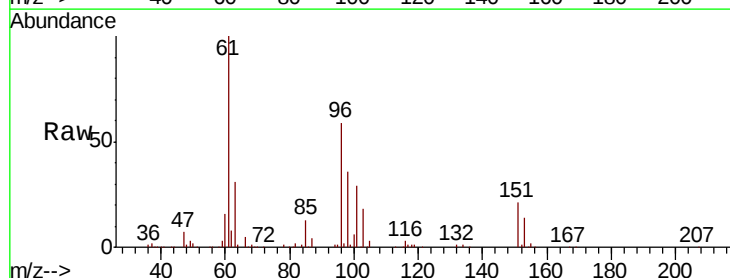
Tot Ion: 59 Resp: 298552
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5



#12

1,1-Dichloroethene
 Concen: 49.790 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion: 96 Resp: 243361
 Ion Ratio Lower Upper
 96 100
 61 170.6 136.5 204.7
 98 62.2 50.2 75.4





#13

Acrolein

Concen: 223.675 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

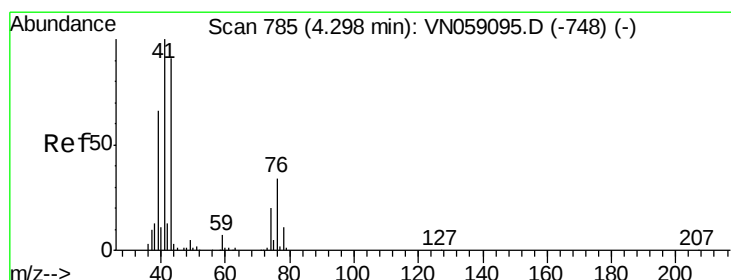
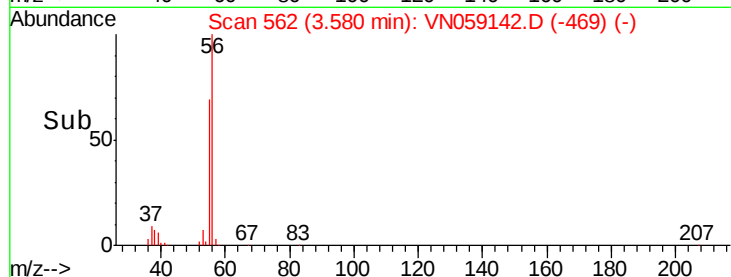
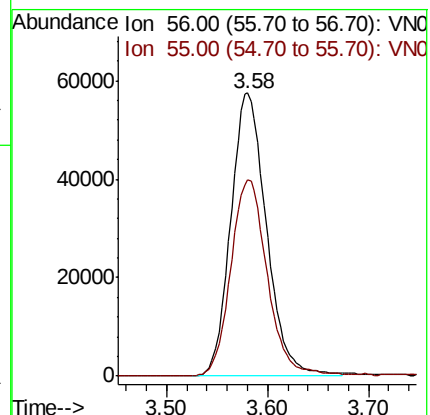
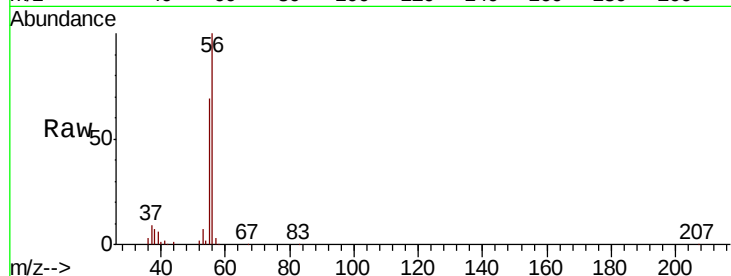
VSTDCCC050EC

Tot Ion: 56 Resp: 141555

Ion Ratio Lower Upper

56 100

55 71.4 56.4 84.6



#14

Allyl chloride

Concen: 47.696 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

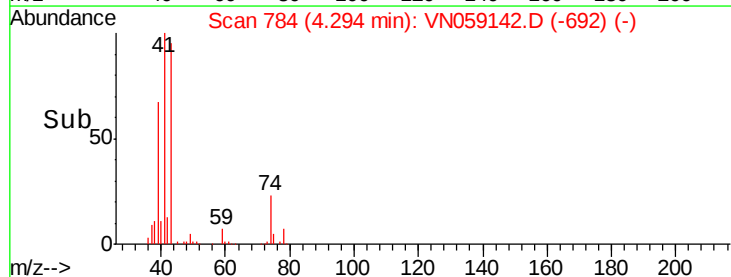
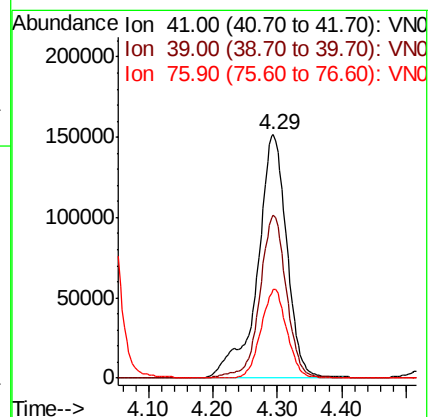
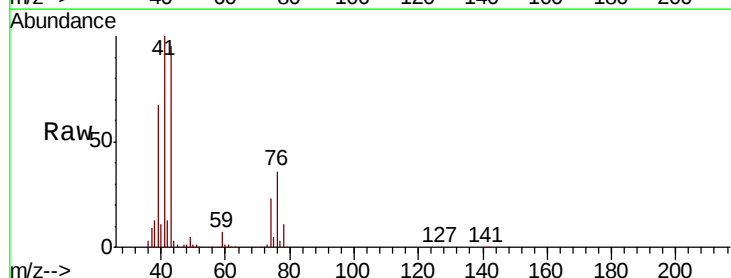
Tgt Ion: 41 Resp: 478871

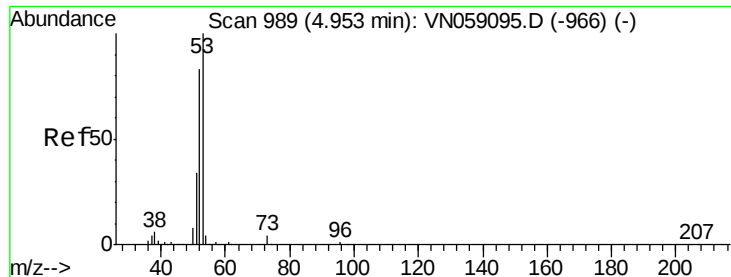
Ion Ratio Lower Upper

41 100

39 60.9 49.1 73.7

76 32.2 24.9 37.3





#15

Acrylonitrile

Concen: 259.188 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

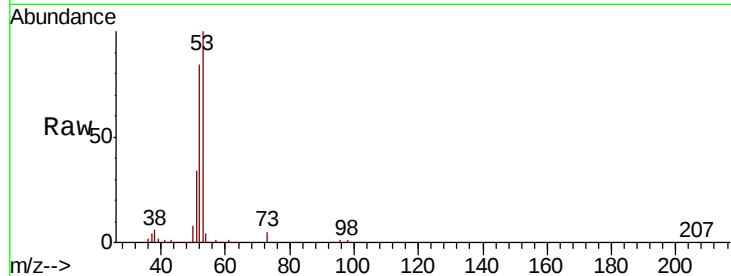
Tot Ion: 53 Resp: 791757

Ion Ratio Lower Upper

53 100

52 83.3 65.0 97.6

51 34.8 28.0 42.0

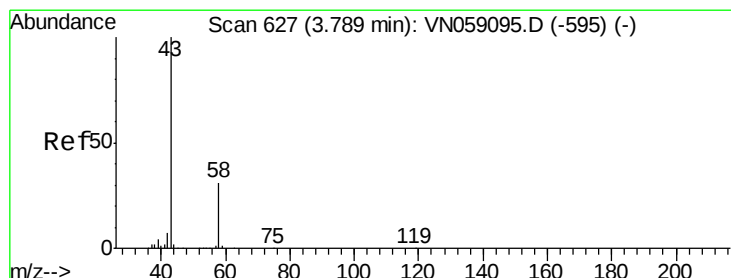
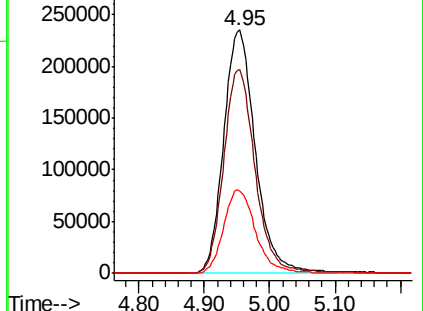
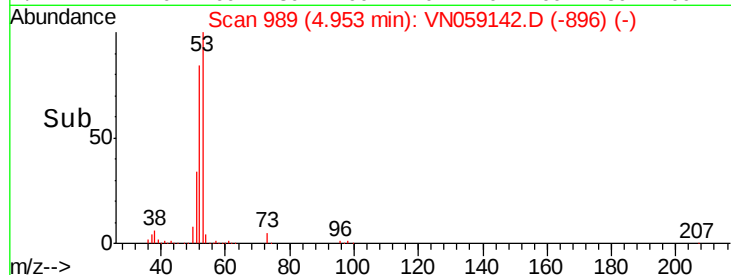


Abundance Ion 53.00 (52.70 to 53.70): VN059142.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059142.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059142.D (-966) (-)

Time-->



#16

Acetone

Concen: 228.435 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059142.D

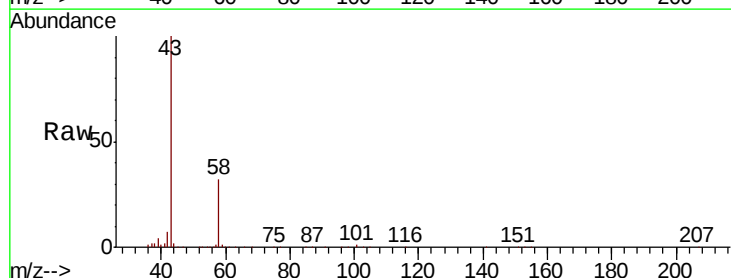
Acq: 8 Nov 2019 18:27

Tgt Ion: 43 Resp: 765105

Ion Ratio Lower Upper

43 100

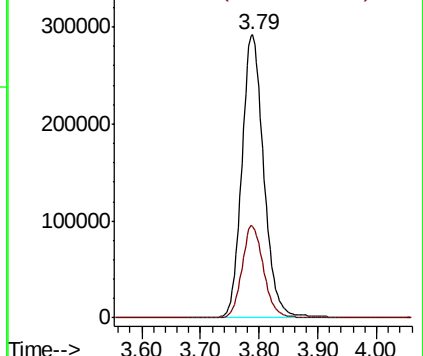
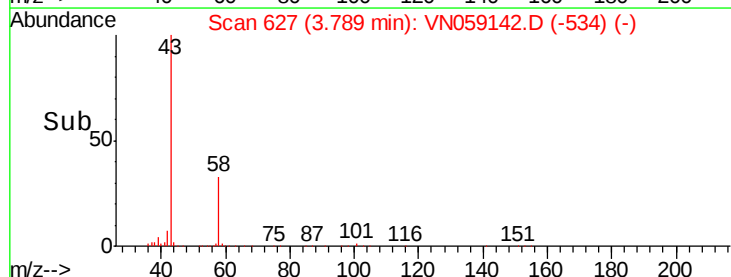
58 32.4 24.9 37.3

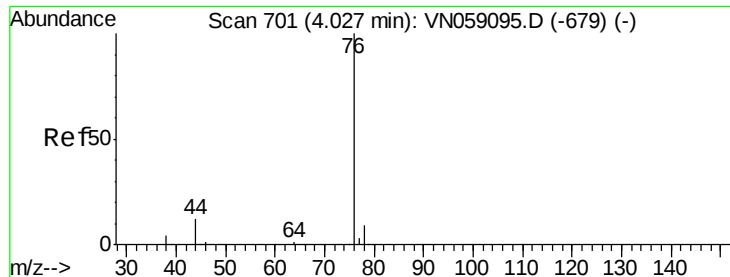


Abundance Ion 43.00 (42.70 to 43.70): VN059142.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059142.D (-534) (-)

Time-->





#17

Carbon Disulfide

Concen: 44.749 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

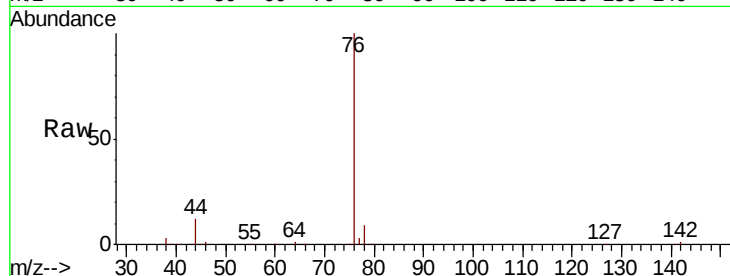
VSTDCCC050EC

Tot Ion: 76 Resp: 678955

Ion Ratio Lower Upper

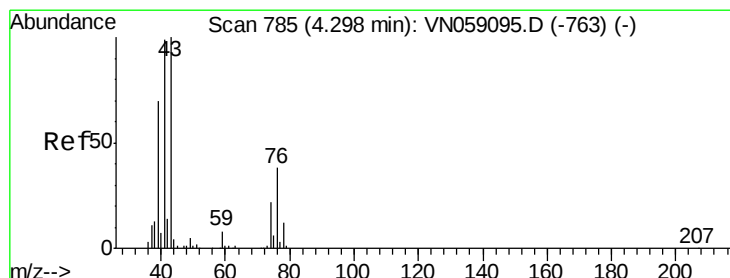
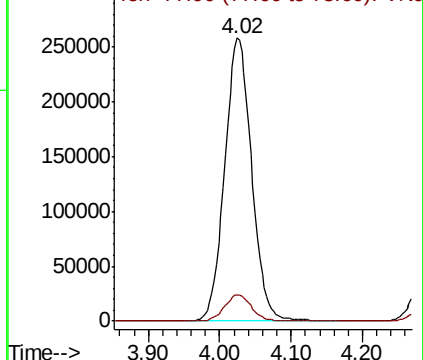
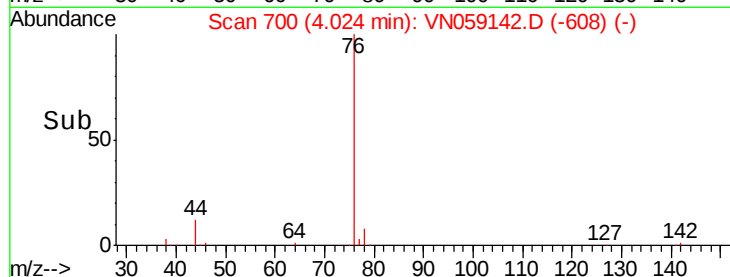
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059142.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059142.D (-608) (-)



#18

Methyl Acetate

Concen: 51.081 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059142.D

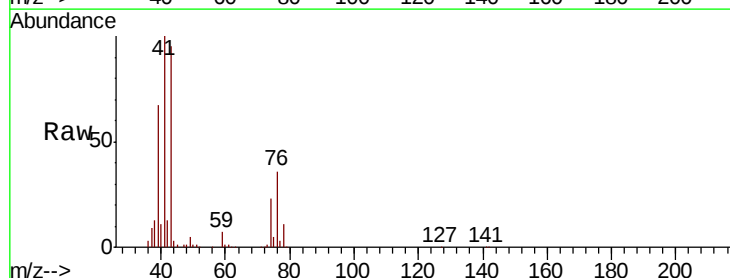
Acq: 8 Nov 2019 18:27

Tgt Ion: 43 Resp: 406092

Ion Ratio Lower Upper

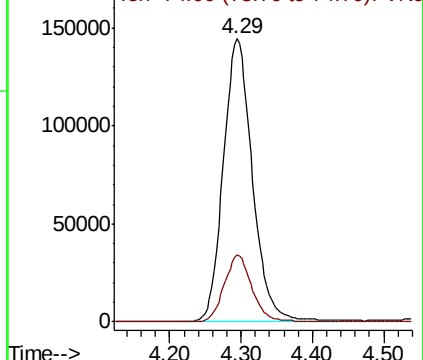
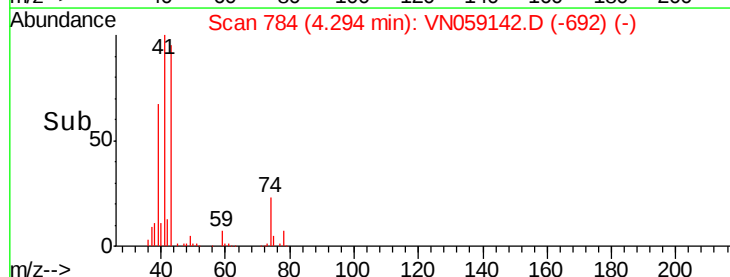
43 100

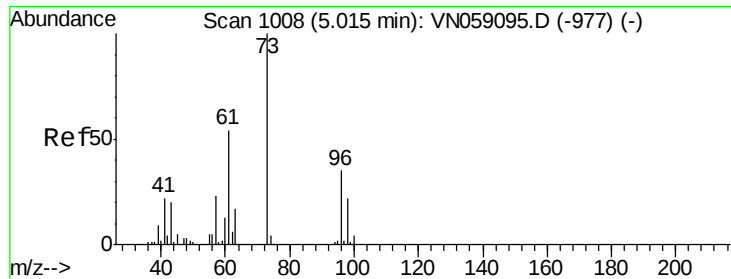
74 22.8 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059142.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059142.D (-692) (-)

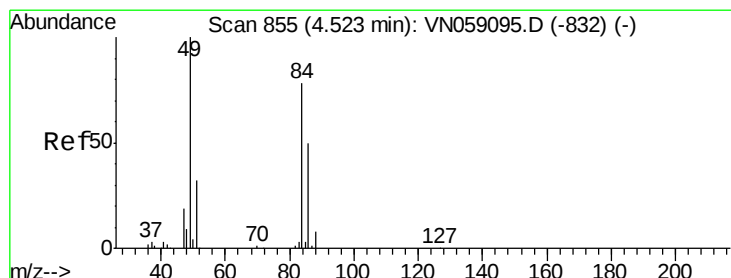
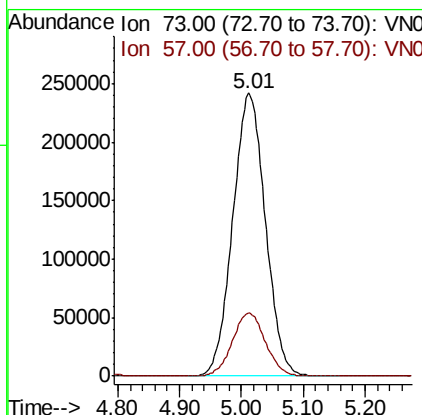
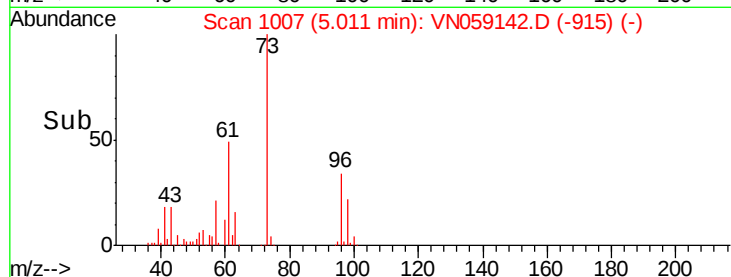
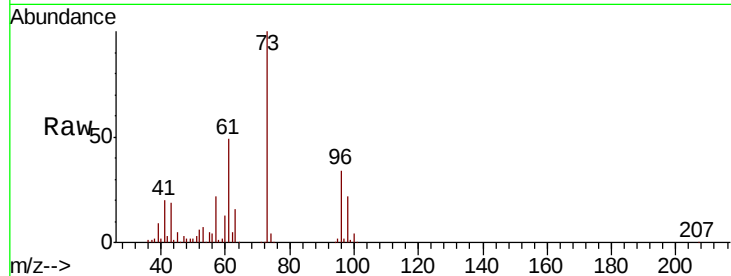




#19
Methyl tert-butyl Ether
Concen: 52.587 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

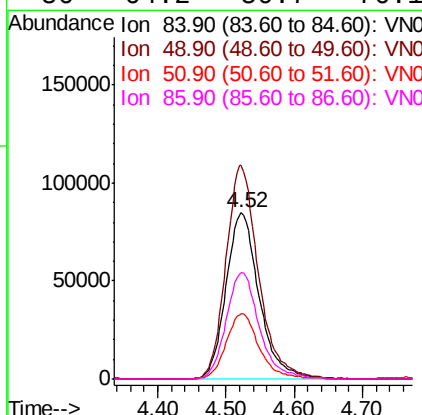
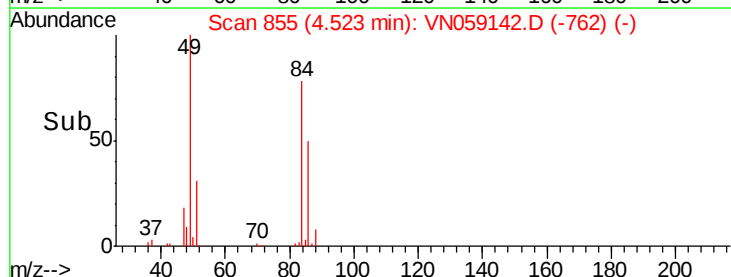
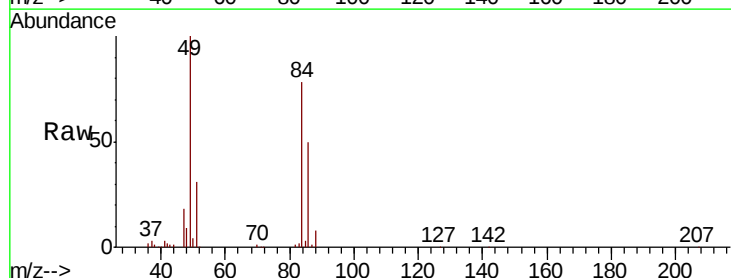
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

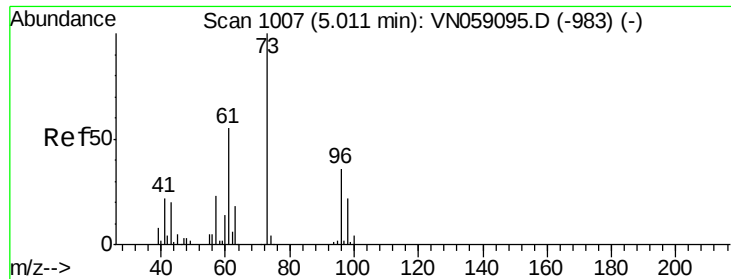
Tot Ion: 73 Resp: 884918
Ion Ratio Lower Upper
73 100
57 22.3 18.4 27.6



#20
Methylene Chloride
Concen: 49.116 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 84 Resp: 286595
Ion Ratio Lower Upper
84 100
49 128.2 102.0 153.0
51 39.4 32.2 48.2
86 64.2 50.7 76.1

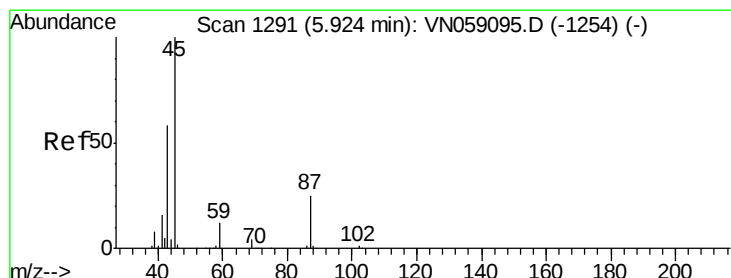
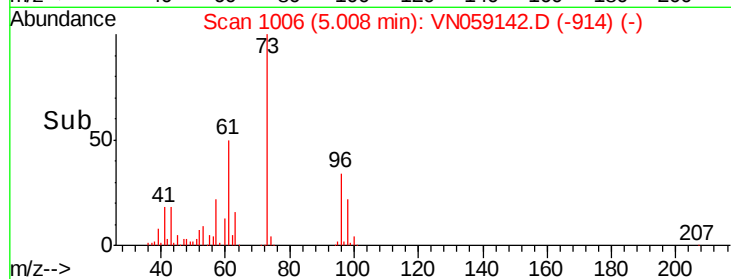
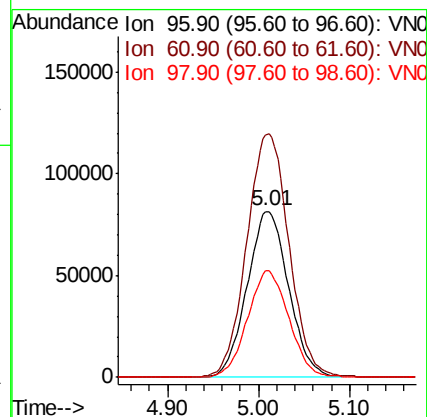
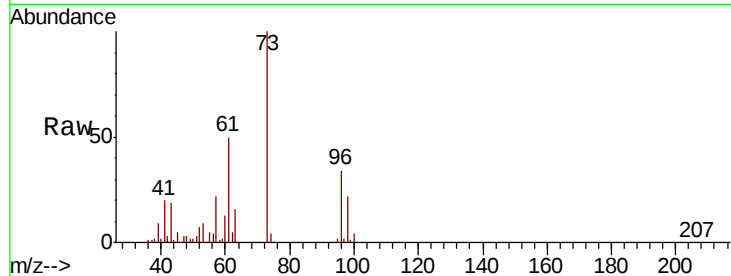




#21
trans-1,2-Dichloroethene
Concen: 49.251 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

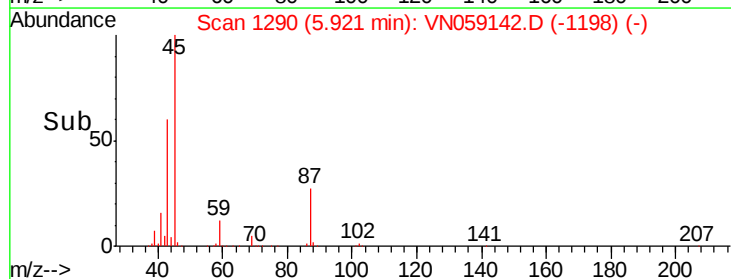
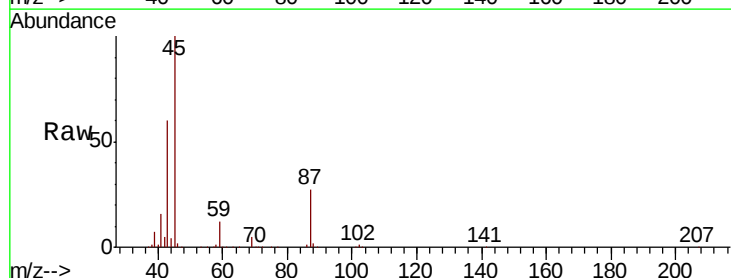
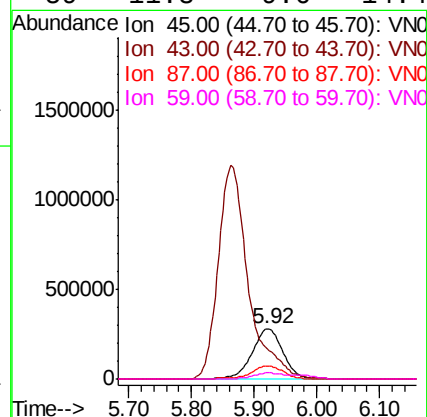
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

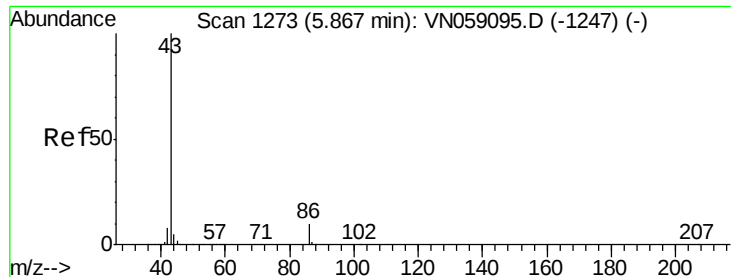
Tot Ion: 96 Resp: 258394
Ion Ratio Lower Upper
96 100
61 146.4 122.6 183.8
98 64.2 50.3 75.5



#22
Diisopropyl ether
Concen: 50.289 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 45 Resp: 953677
Ion Ratio Lower Upper
45 100
43 58.7 46.7 70.1
87 26.6 20.5 30.7
59 11.8 9.6 14.4





#23

Vinyl Acetate

Concen: 271.418 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

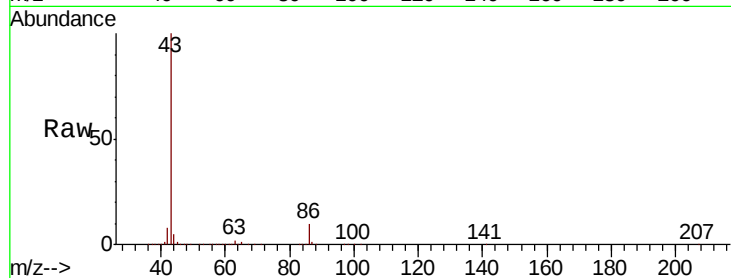
VSTDCCC050EC

Tot Ion: 43 Resp: 3989163

Ion Ratio Lower Upper

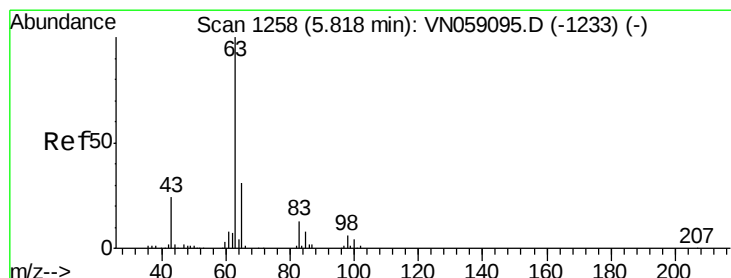
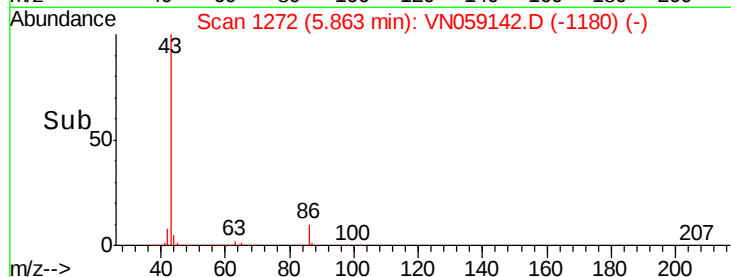
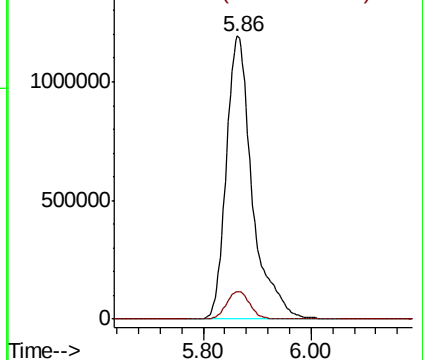
43 100

86 9.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.789 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

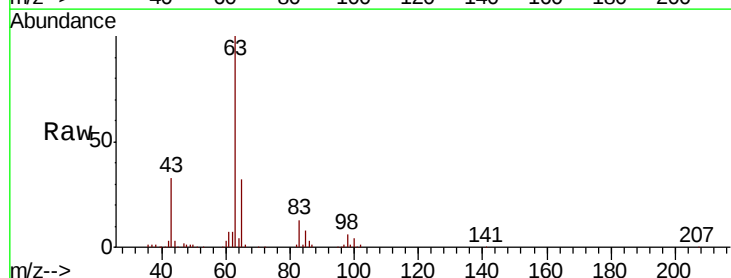
Tgt Ion: 63 Resp: 527366

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

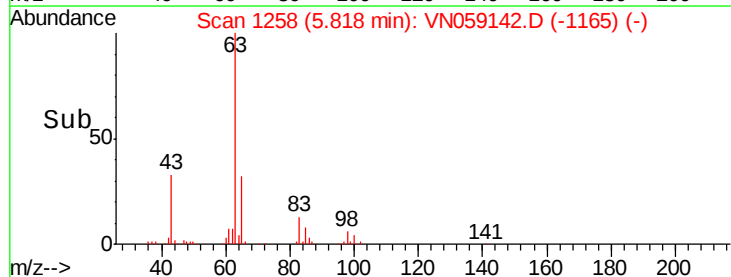
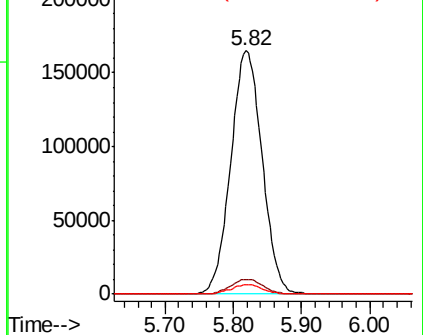
100 3.8 1.9 5.7

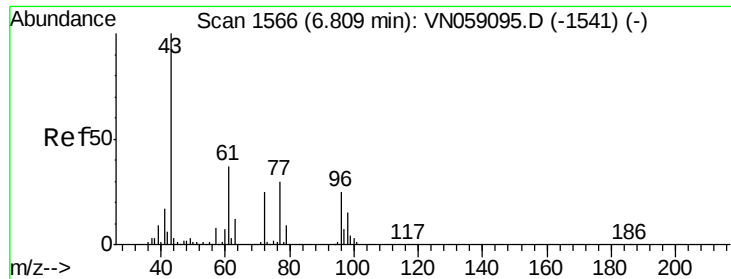


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 251.114 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

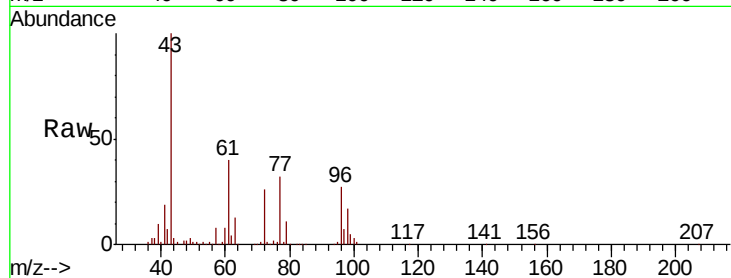
VSTDCCC050EC

Tot Ion: 43 Resp: 1108473

Ion Ratio Lower Upper

43 100

72 26.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN059142.D (-1541) (-)

Ion 72.00 (71.70 to 72.70): VN059142.D (-1541) (-)

6.81

400000

300000

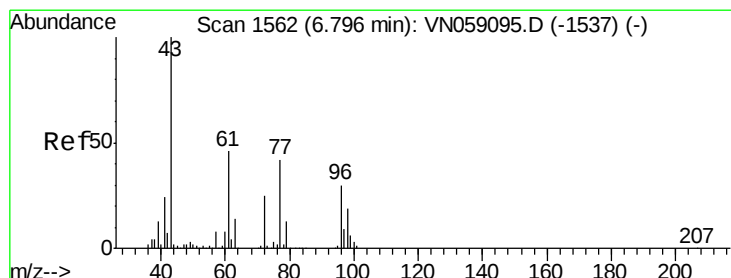
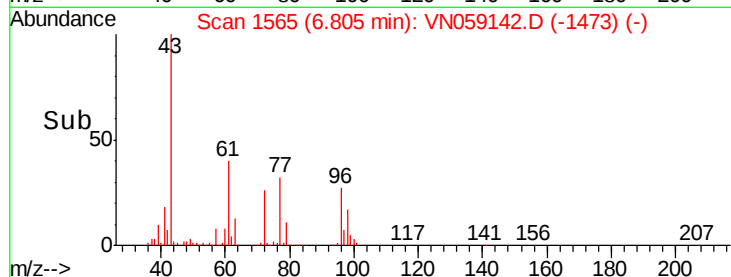
200000

100000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 47.860 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059142.D

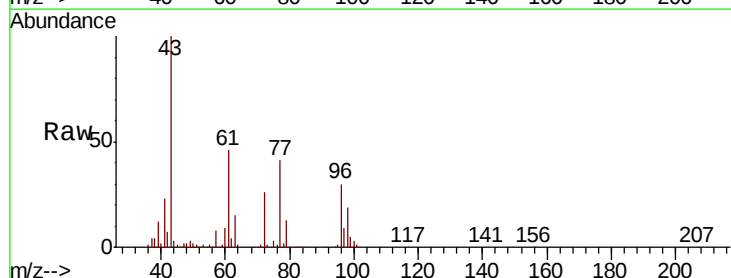
Acq: 8 Nov 2019 18:27

Tgt Ion: 77 Resp: 443264

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN059142.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN059142.D (-1469) (-)

6.80

150000

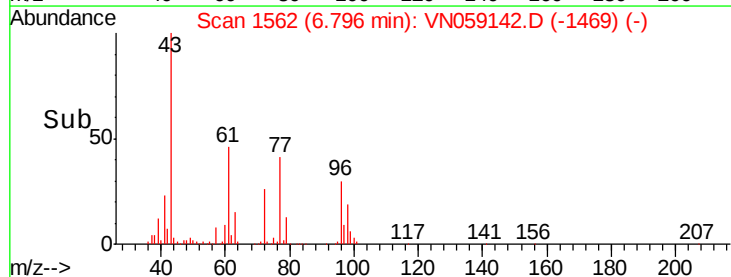
100000

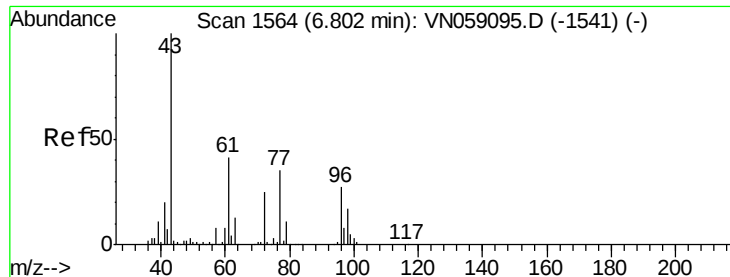
50000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.313 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

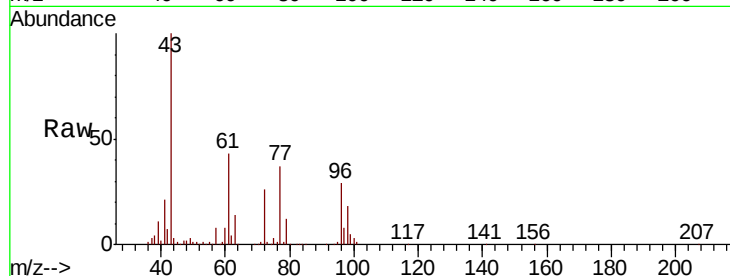
Tot Ion: 96 Resp: 306242

Ion Ratio Lower Upper

96 100

61 153.8 0.0 311.6

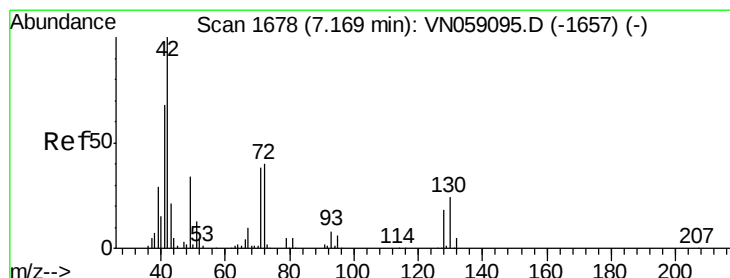
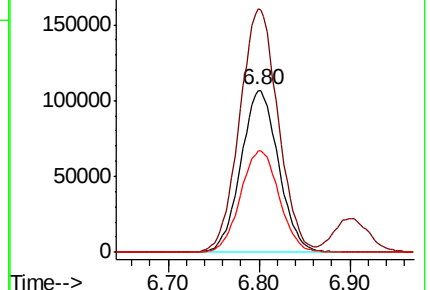
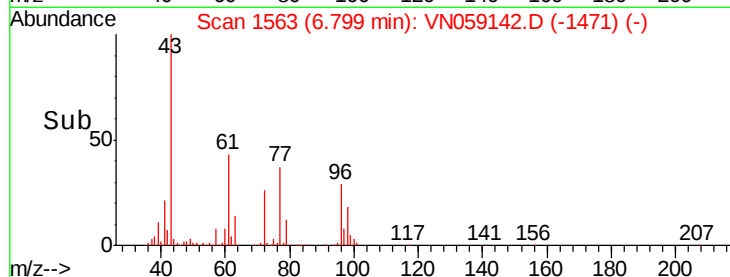
98 64.6 0.0 129.8



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: 47.407 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

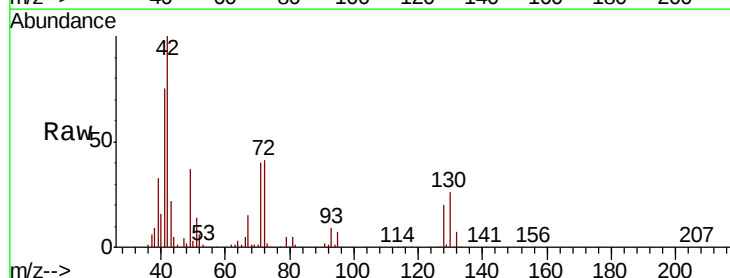
Tgt Ion: 49 Resp: 151071

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

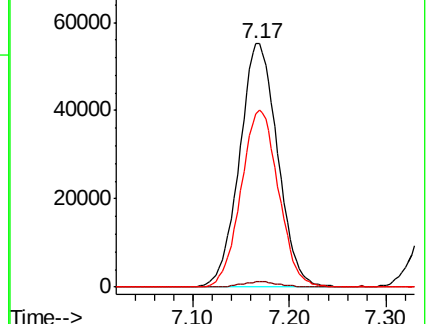
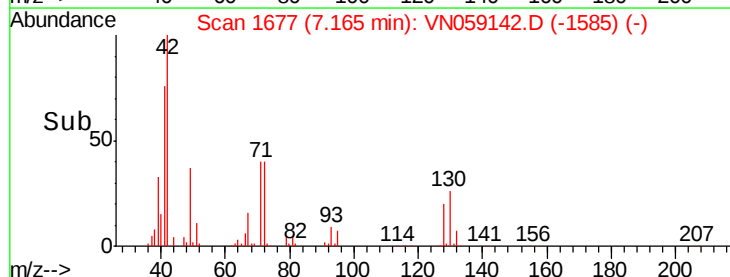
130 71.6 55.6 83.4

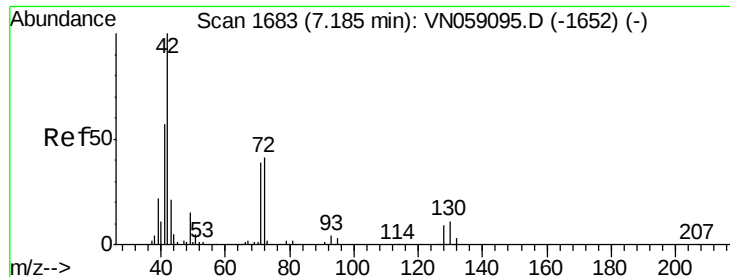


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 250.741 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

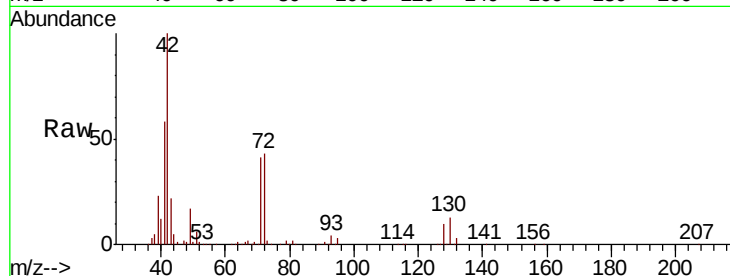
Tot Ion: 42 Resp: 703277

Ion Ratio Lower Upper

42 100

72 42.7 33.1 49.7

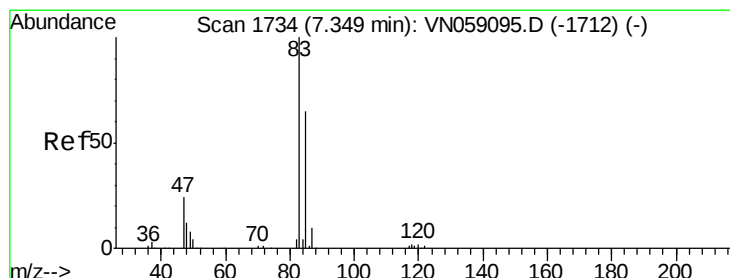
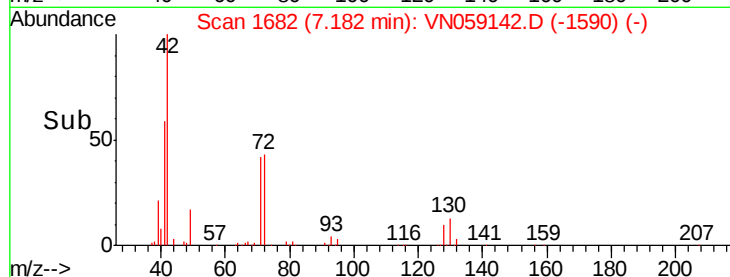
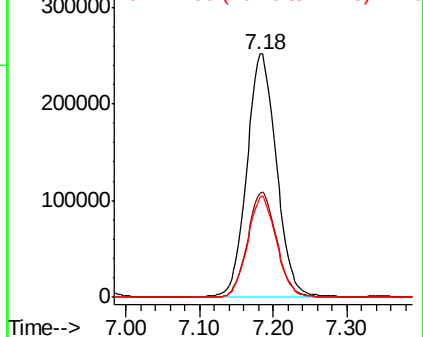
71 40.8 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.432 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN059142.D

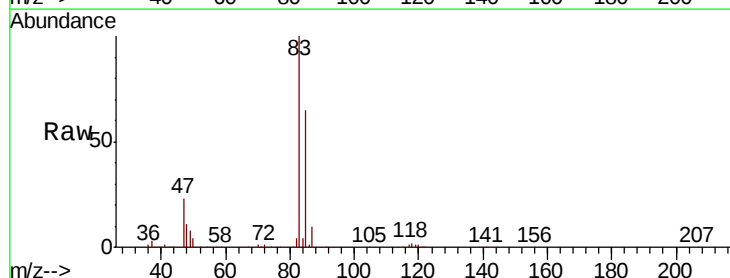
Acq: 8 Nov 2019 18:27

Tgt Ion: 83 Resp: 502259

Ion Ratio Lower Upper

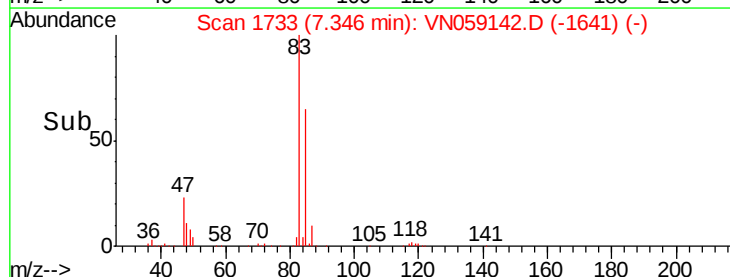
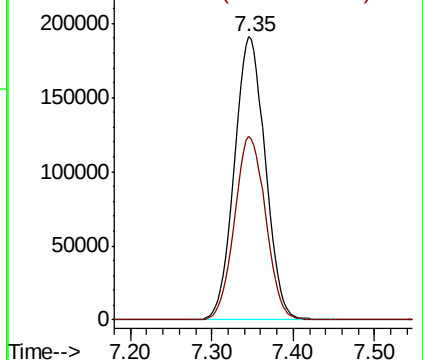
83 100

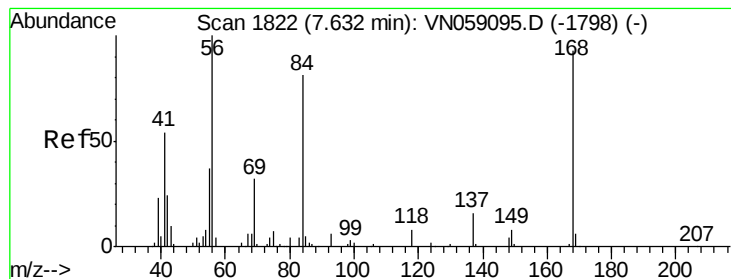
85 64.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.227 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

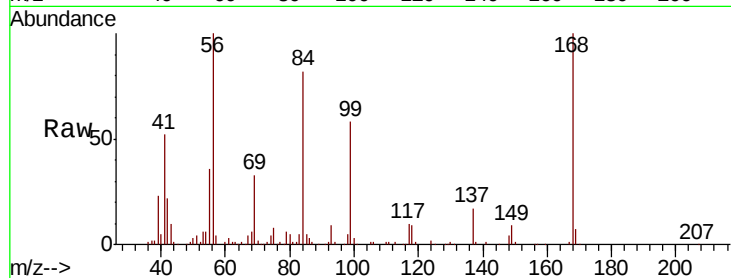
Tot Ion: 56 Resp: 473556

Ion Ratio Lower Upper

56 100

69 32.9 25.8 38.8

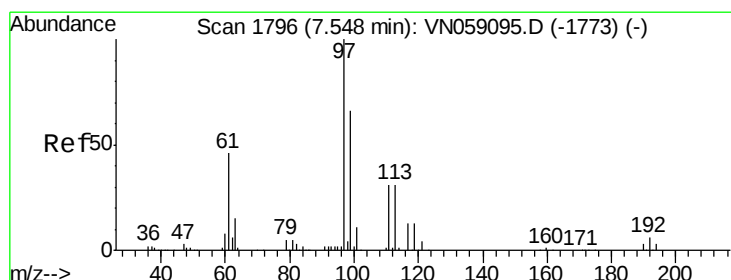
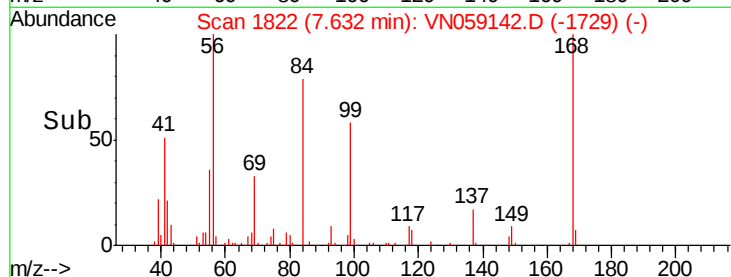
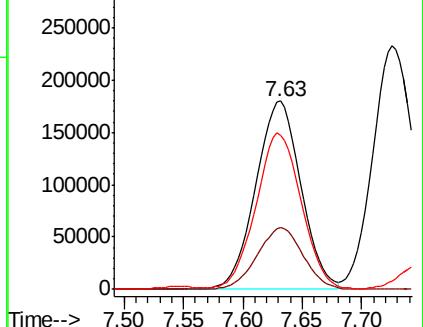
84 80.7 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN059142.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059142.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059142.D (-1798) (-)



#32

1,1,1-Trichloroethane

Concen: 51.102 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

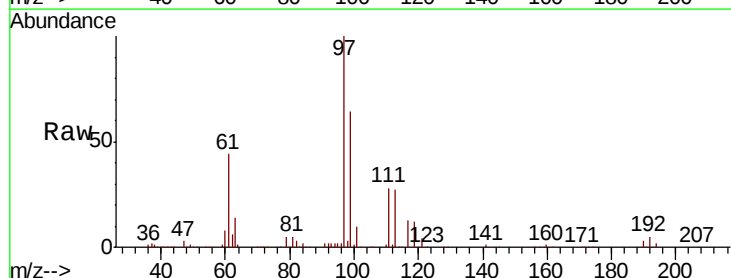
Tgt Ion: 97 Resp: 436538

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

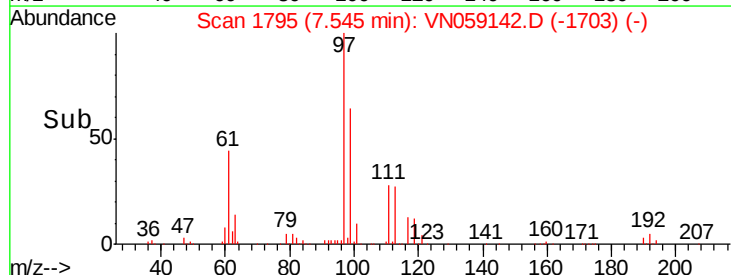
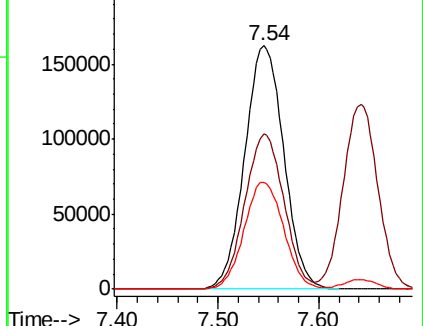
61 44.5 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN059142.D (-1773) (-)

Ion 98.90 (98.60 to 99.60): VN059142.D (-1773) (-)

Ion 60.90 (60.60 to 61.60): VN059142.D (-1773) (-)

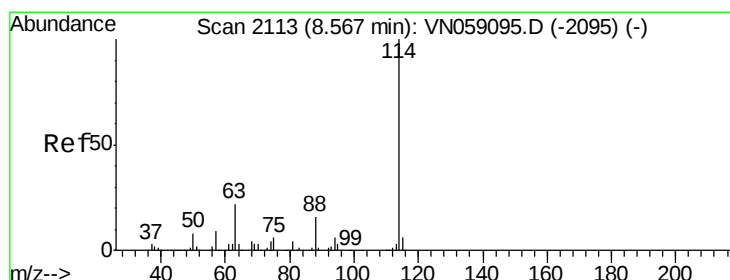
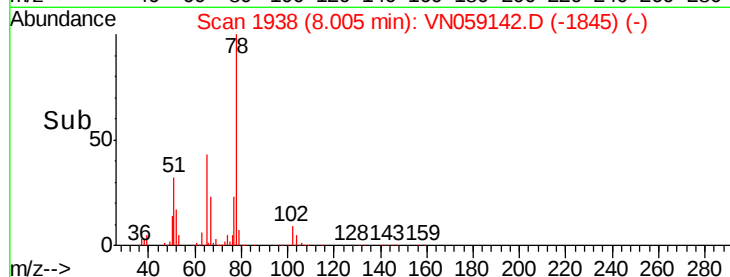
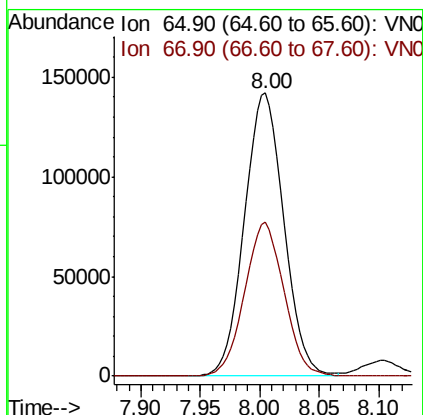
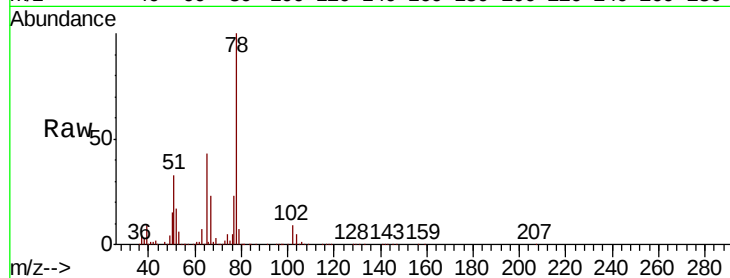




#33
 1,2-Dichloroethane-d4
 Concen: 50.706 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

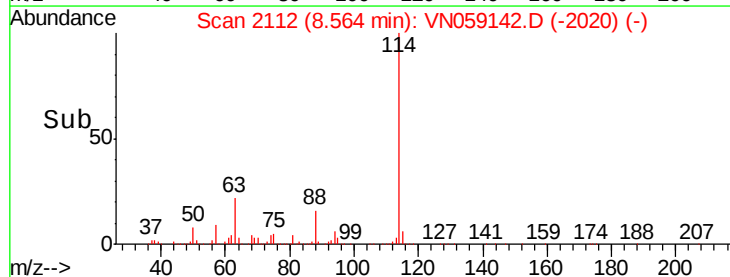
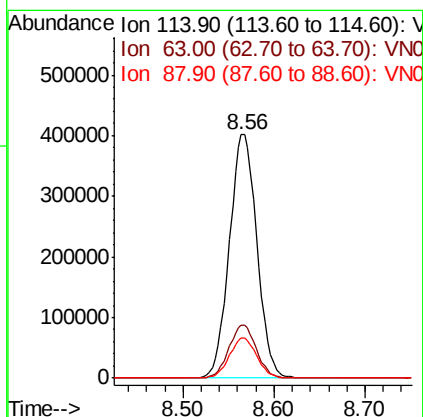
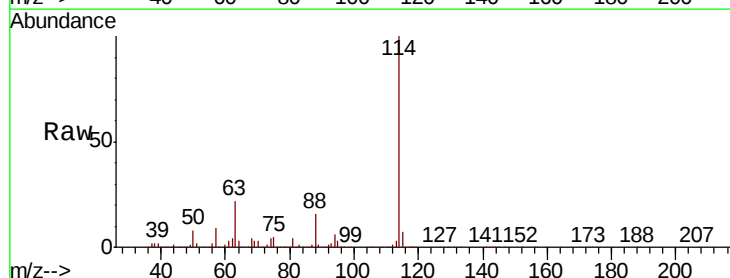
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

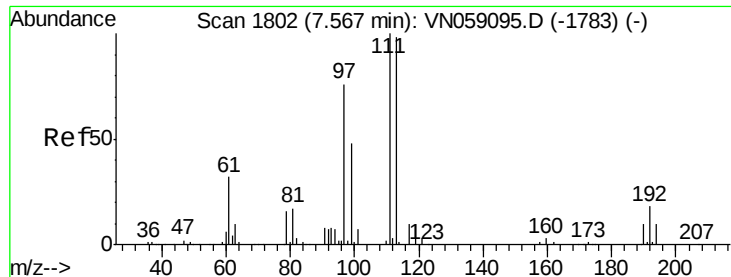
Tot Ion: 65 Resp: 326588
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion: 114 Resp: 844037
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.4 0.0 32.2

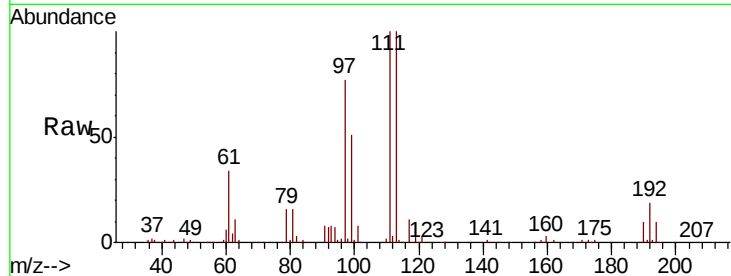




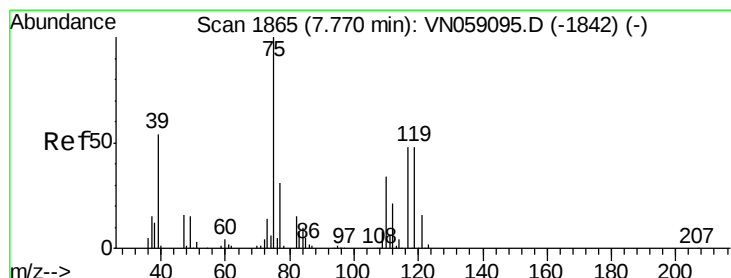
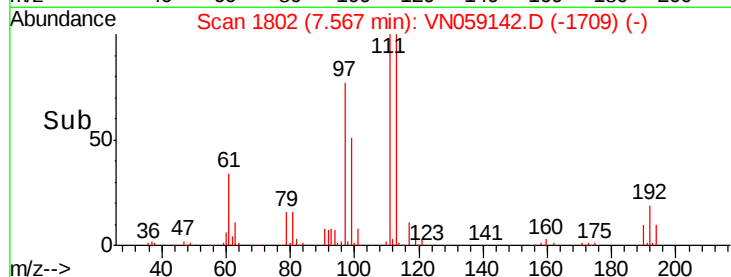
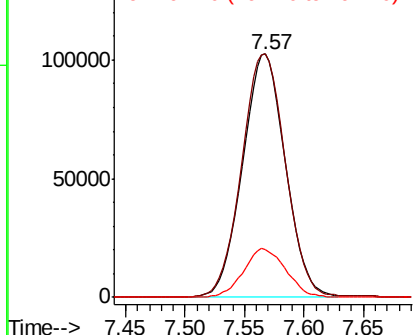
#35
Dibromofluoromethane
Concen: 50.702 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 255526
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 19.8 16.1 24.1

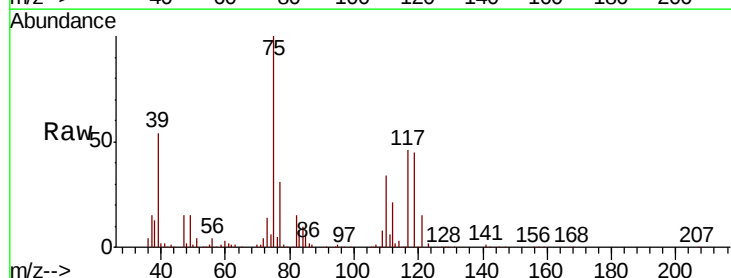


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

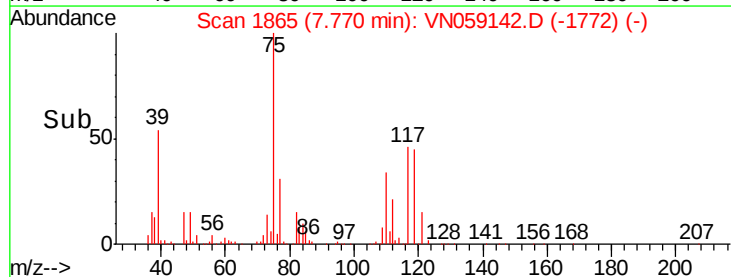
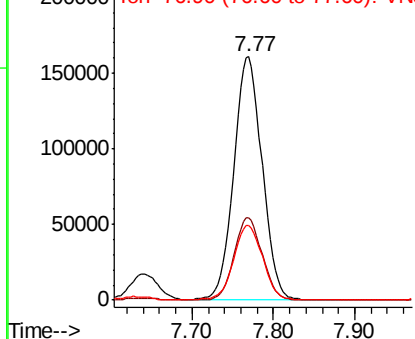


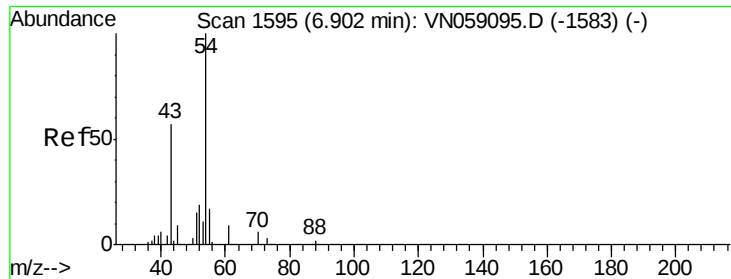
#36
1,1-Dichloropropene
Concen: 49.187 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 75 Resp: 388047
Ion Ratio Lower Upper
75 100
110 33.5 17.1 51.2
77 31.3 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

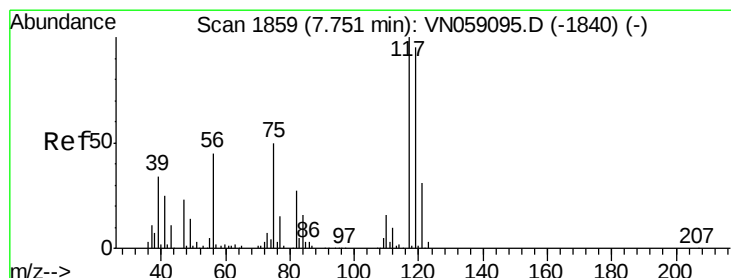
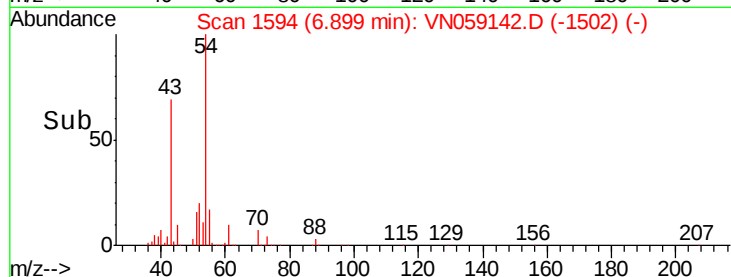
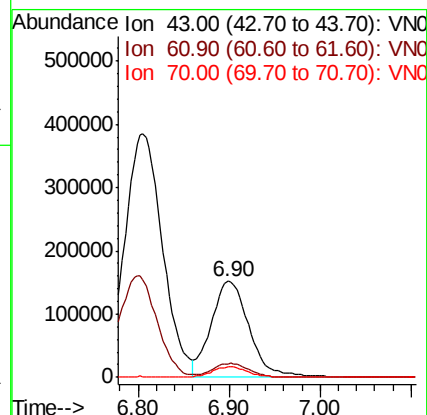
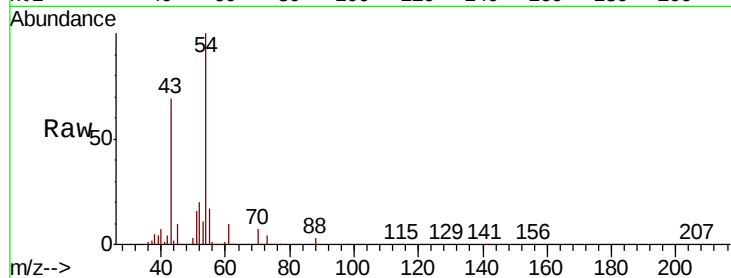




#37
Ethyl Acetate
Concen: 49.659 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

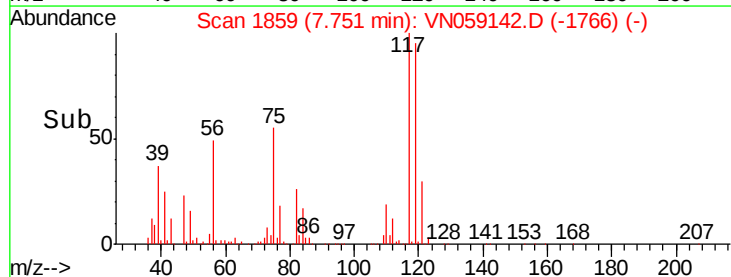
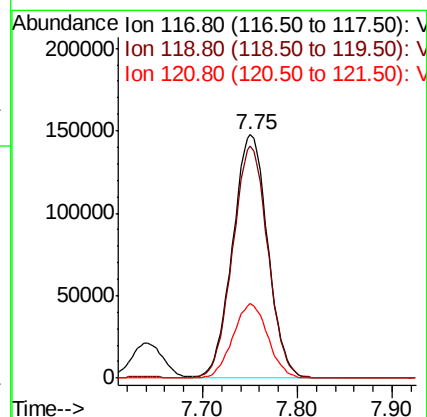
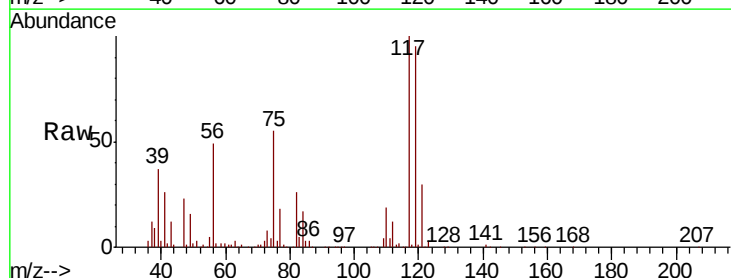
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

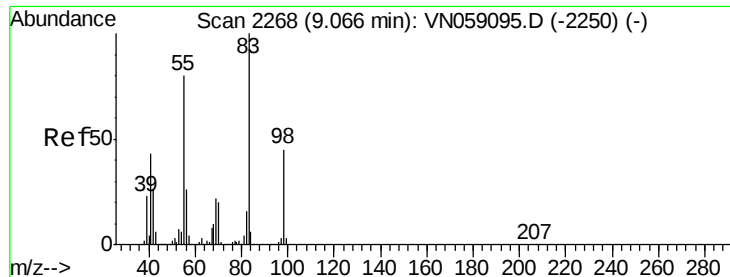
Tot Ion: 43 Resp: 435834
Ion Ratio Lower Upper
43 100
61 14.1 11.2 16.8
70 10.5 7.8 11.8



#38
Carbon Tetrachloride
Concen: 48.379 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 117 Resp: 379889
Ion Ratio Lower Upper
117 100
119 95.5 75.6 113.4
121 30.5 24.6 36.8

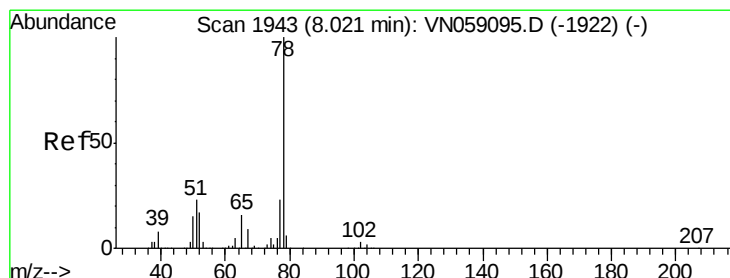
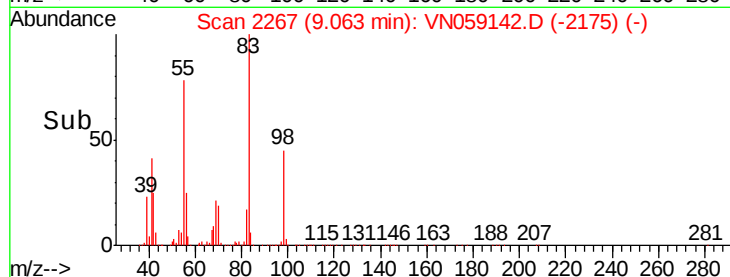
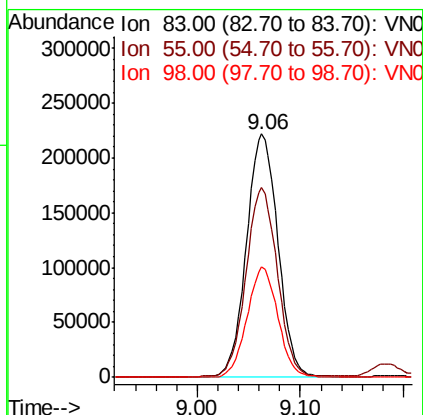
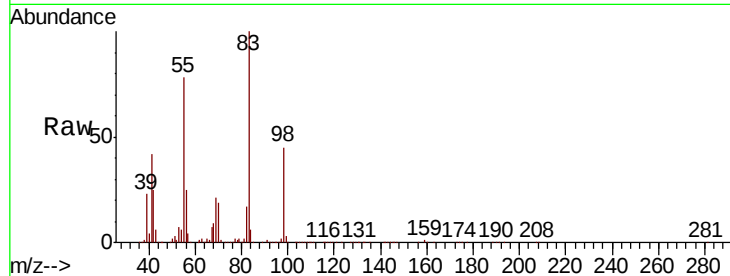




#39
Methvlcvclohexane
Concen: 51.122 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

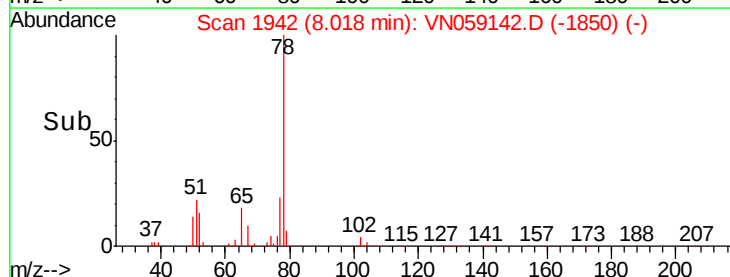
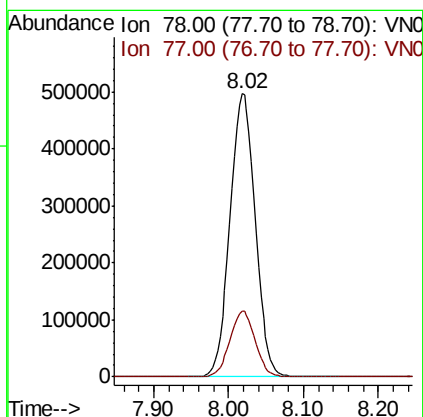
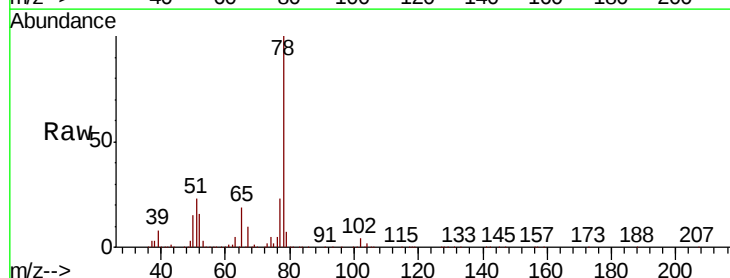
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

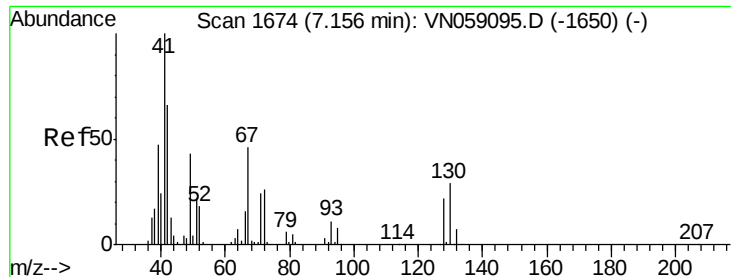
Tot Ion: 83 Resp: 468087
Ion Ratio Lower Upper
83 100
55 77.7 63.9 95.9
98 45.4 35.6 53.4



#40
Benzene
Concen: 49.033 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 78 Resp: 1164892
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

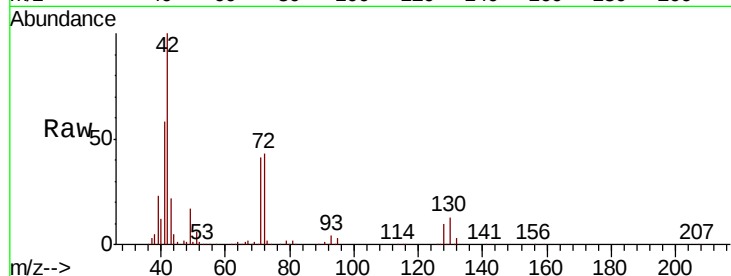




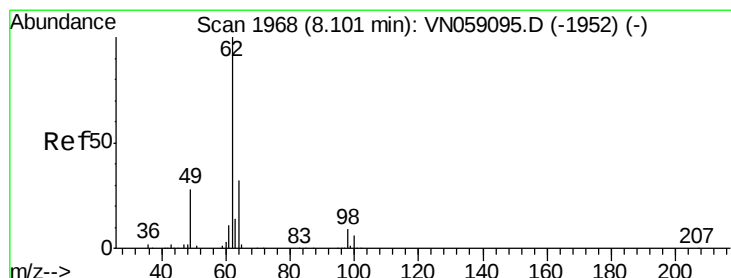
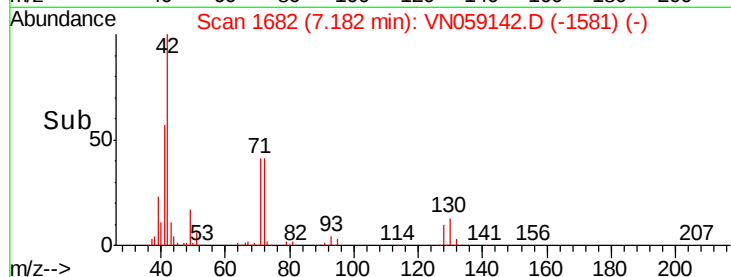
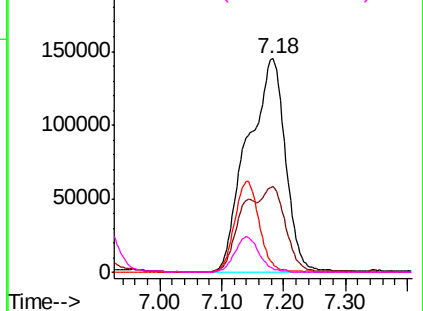
#41
Methacrylonitrile
Concen: 161.235 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	615345
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

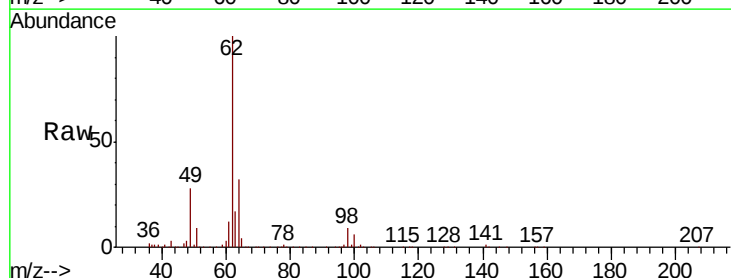


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

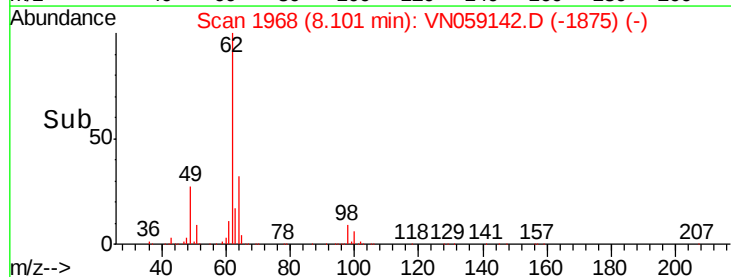
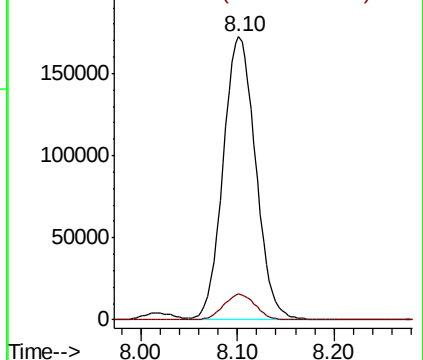


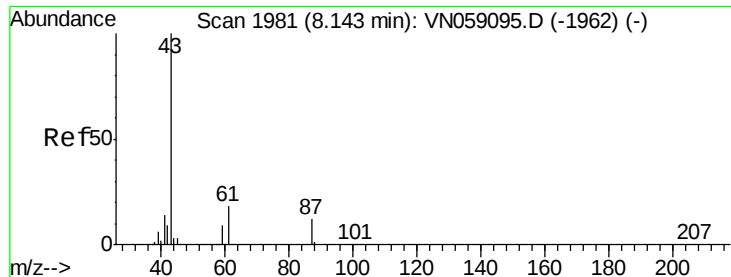
#42
1,2-Dichloroethane
Concen: 49.273 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion:	62	Resp:	401480
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.8



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

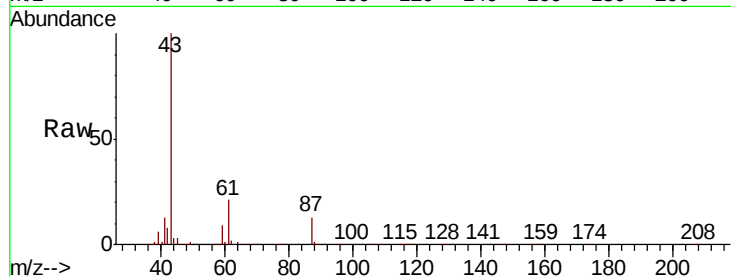




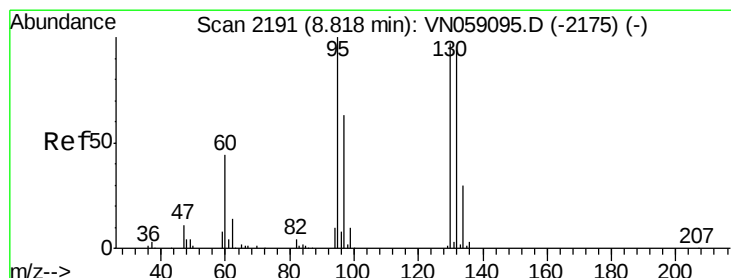
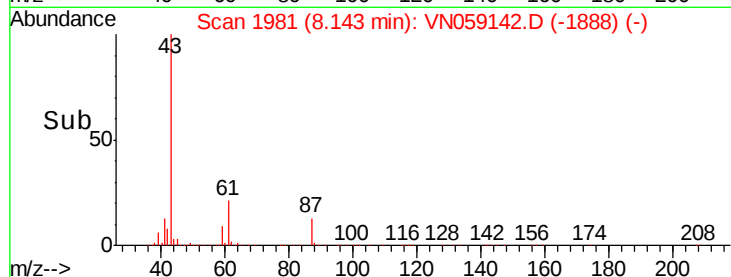
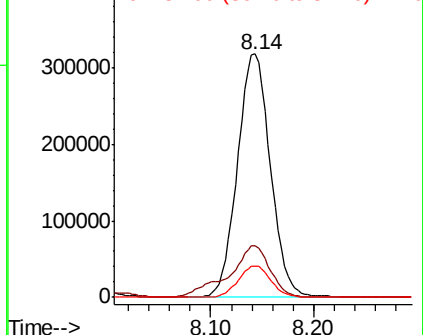
#43
Isopropyl Acetate
Concen: 50.252 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 703136
Ion Ratio Lower Upper
43 100
61 26.6 21.0 31.6
87 12.9 9.8 14.6

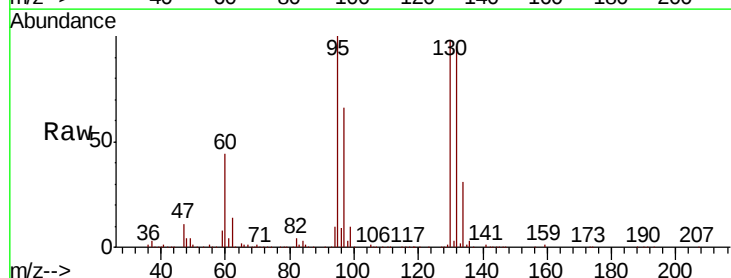


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

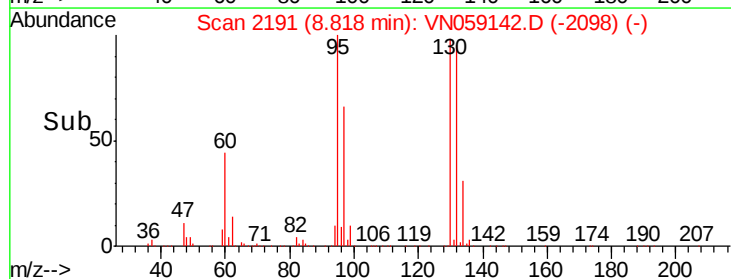
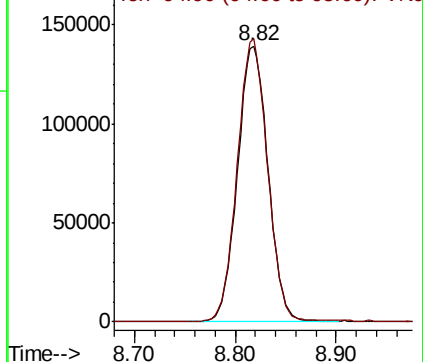


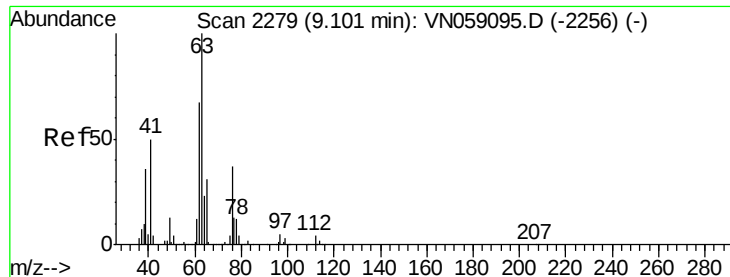
#44
Trichloroethene
Concen: 49.913 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion:130 Resp: 291490
Ion Ratio Lower Upper
130 100
95 102.2 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 49.214 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

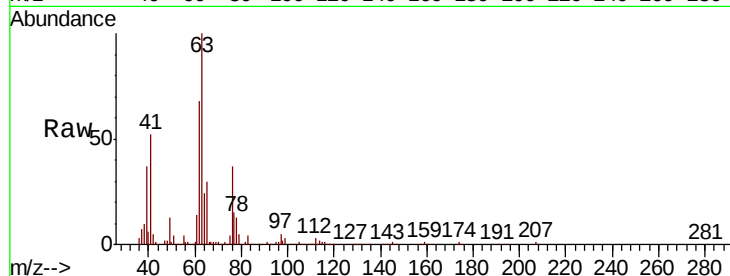
VSTDCCC050EC

Tot Ion: 63 Resp: 317572

Ion Ratio Lower Upper

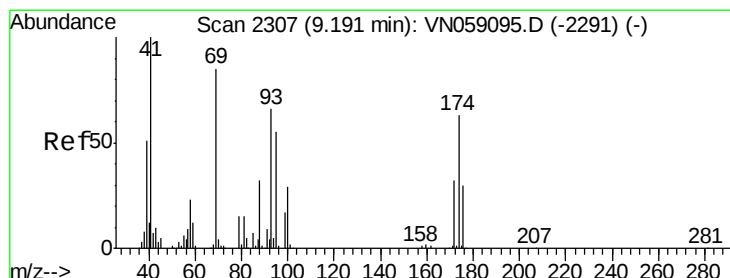
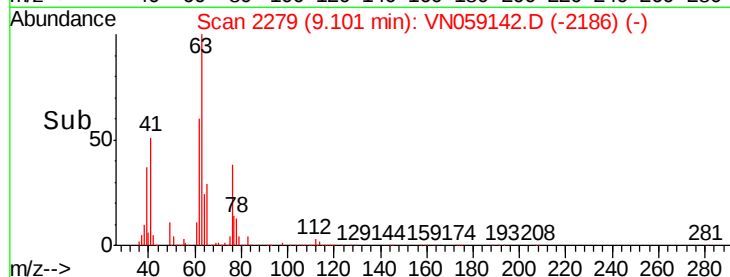
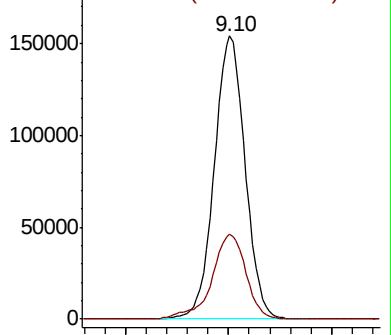
63 100

65 29.7 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.667 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

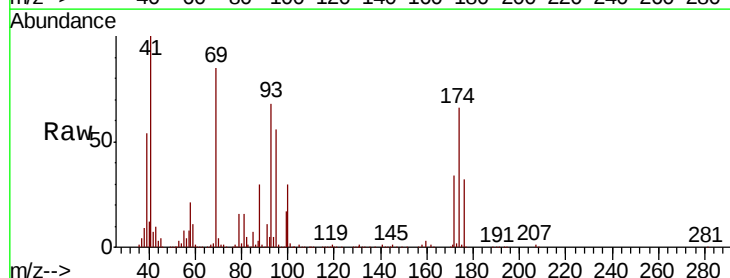
Tgt Ion: 93 Resp: 195695

Ion Ratio Lower Upper

93 100

95 82.8 66.6 100.0

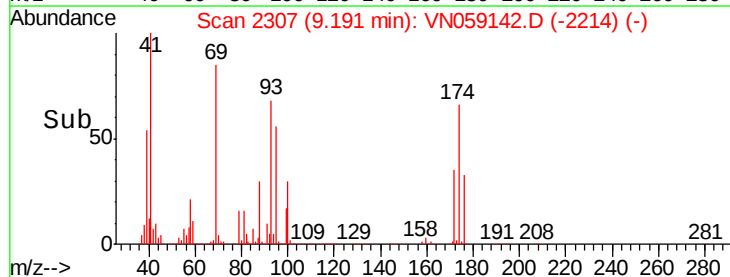
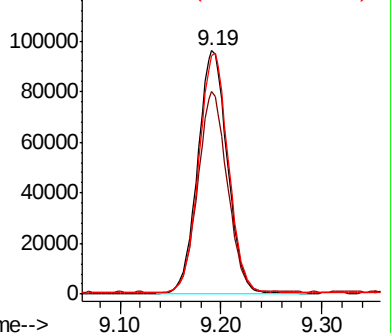
174 98.4 78.2 117.2

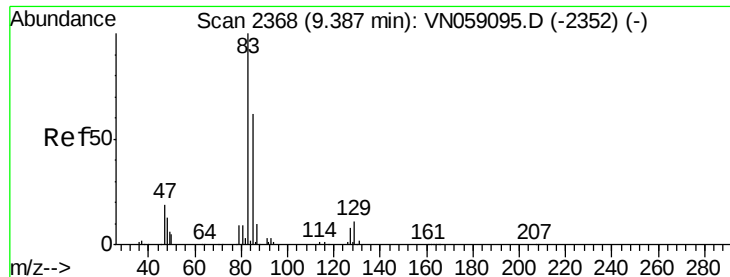


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.565 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

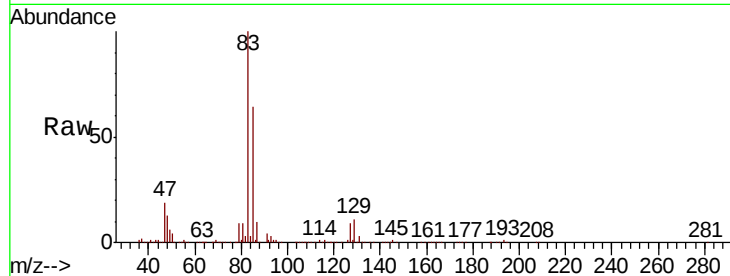
Tot Ion: 83 Resp: 397981

Ion Ratio Lower Upper

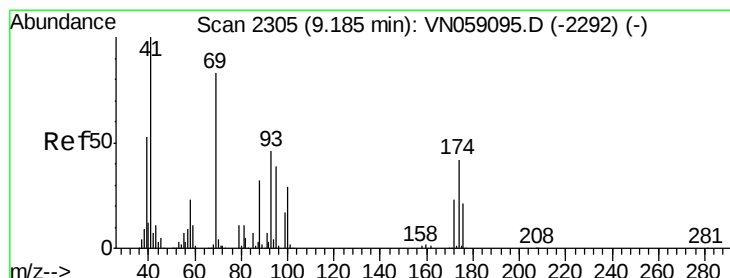
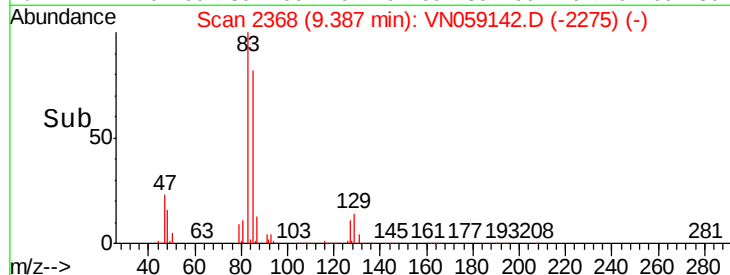
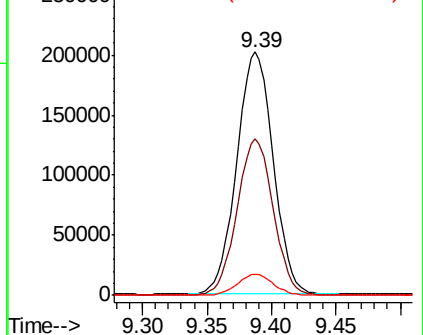
83 100

85 64.5 49.7 74.5

127 8.7 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 51.512 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

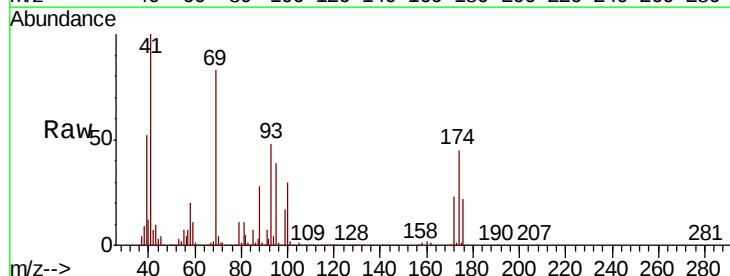
Tgt Ion: 41 Resp: 322393

Ion Ratio Lower Upper

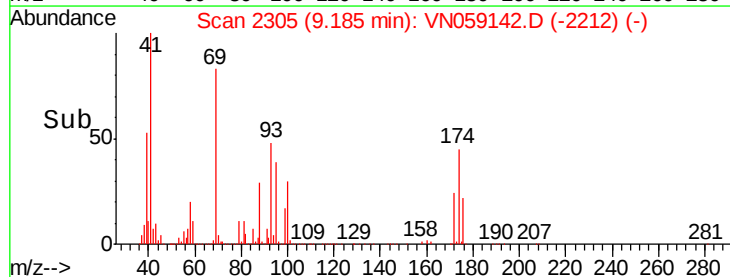
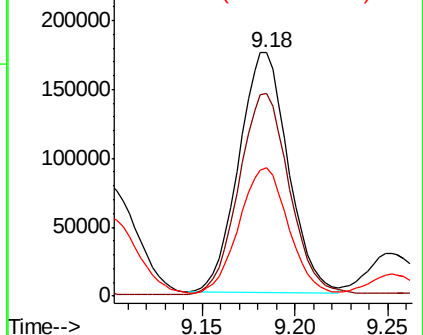
41 100

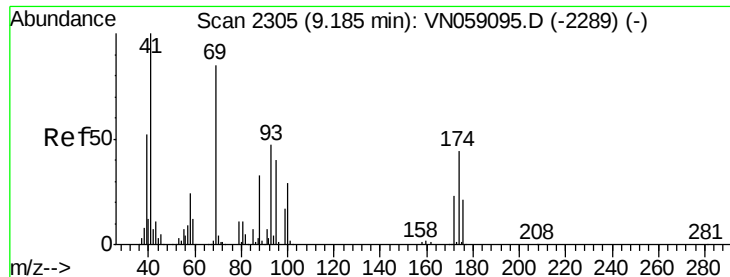
69 86.7 67.3 100.9

39 53.9 43.3 64.9



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





#49

1,4-Dioxane

Concen: 921.277 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

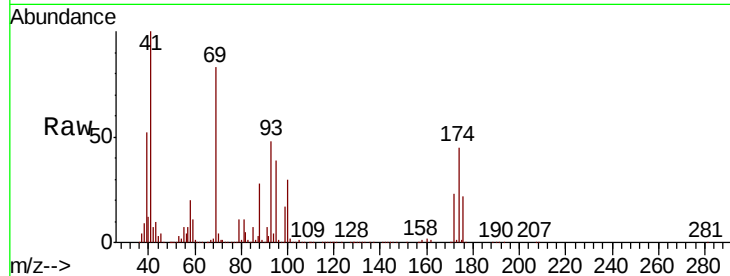
Tot Ion: 88 Resp: 102469

Ion Ratio Lower Upper

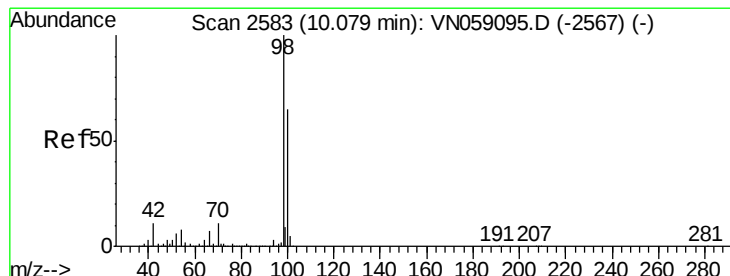
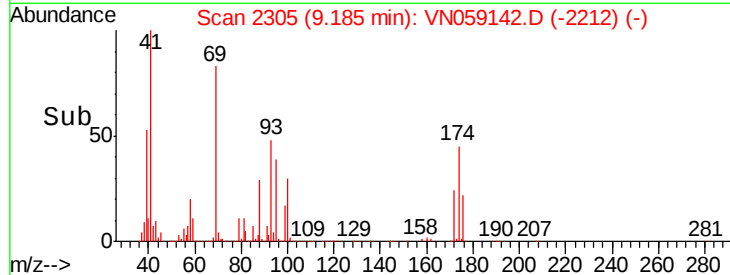
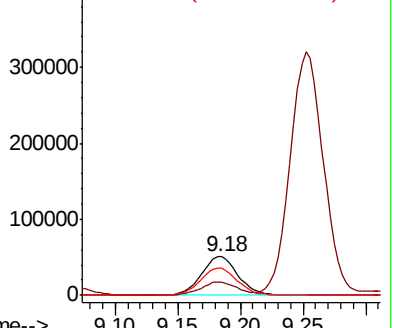
88 100

43 31.2 26.3 39.5

58 71.5 60.6 90.8



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: 50.863 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059142.D

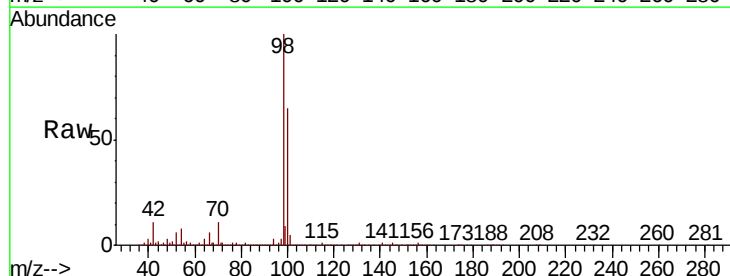
Acq: 8 Nov 2019 18:27

Tgt Ion: 98 Resp: 1009678

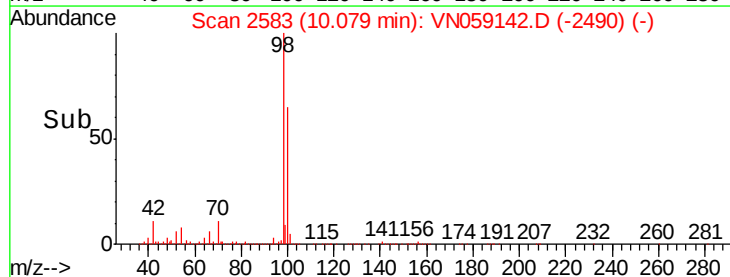
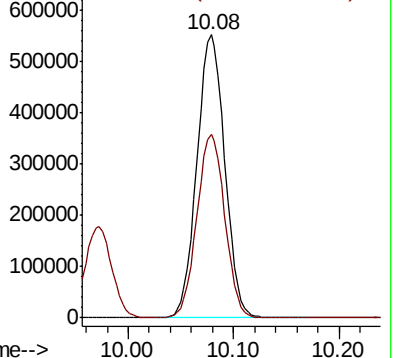
Ion Ratio Lower Upper

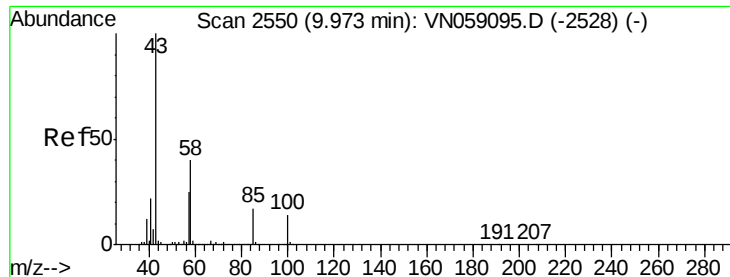
98 100

100 64.9 52.2 78.2



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

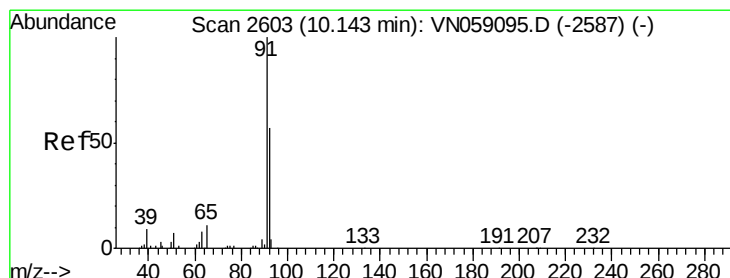
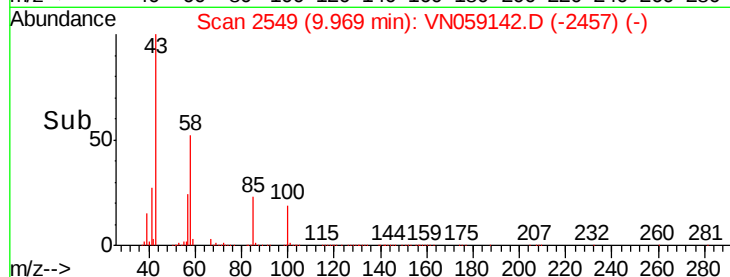
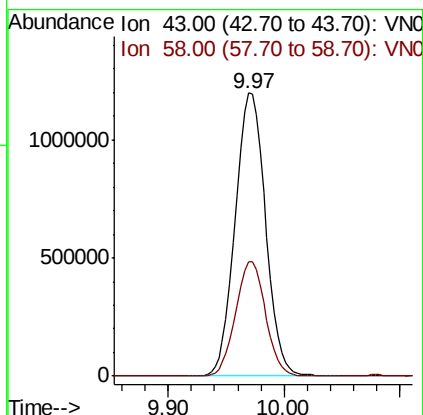
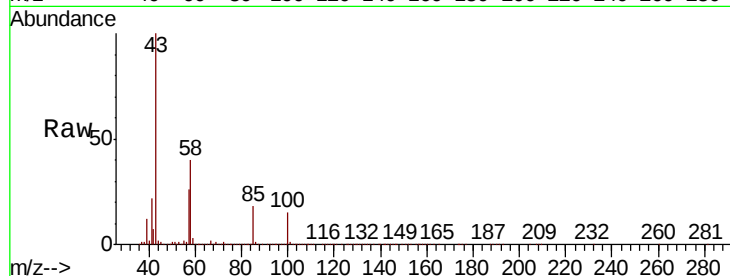




#51
4-Methyl-2-Pentanone
Concen: 274.042 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

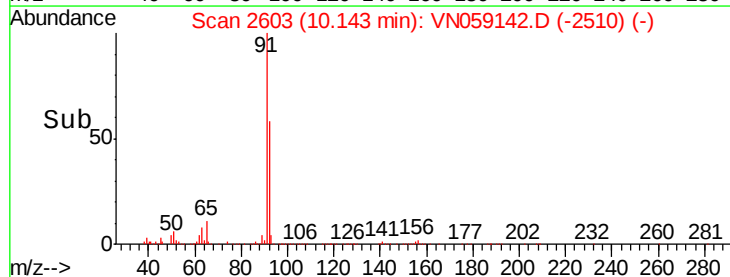
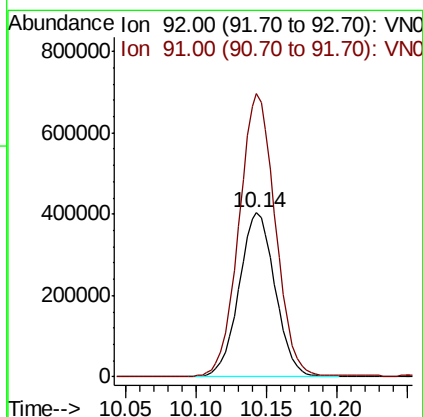
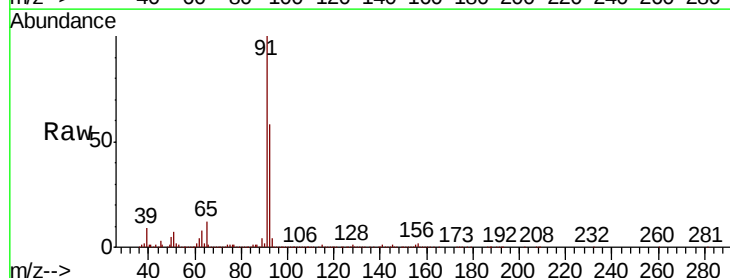
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2169614
Ion Ratio Lower Upper
43 100
58 40.1 31.5 47.3



#52
Toluene
Concen: 50.533 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 92 Resp: 719569
Ion Ratio Lower Upper
92 100
91 172.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 51.976 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

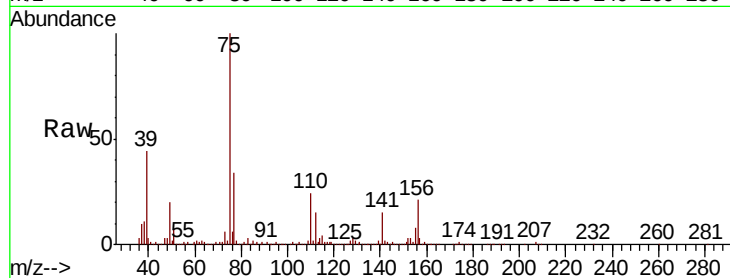
VSTDCCC050EC

Tot Ion: 75 Resp: 482170

Ion Ratio Lower Upper

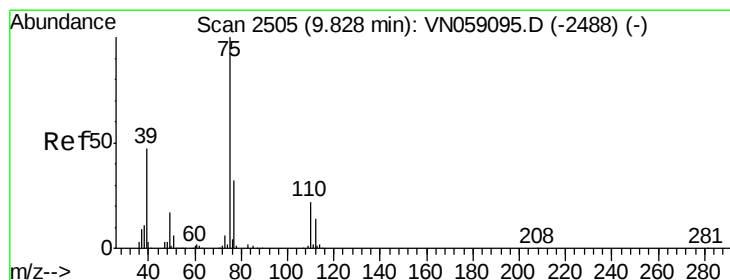
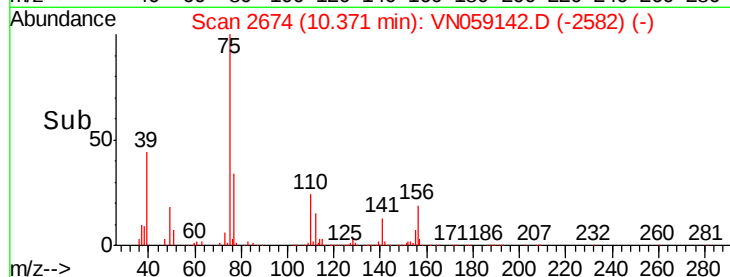
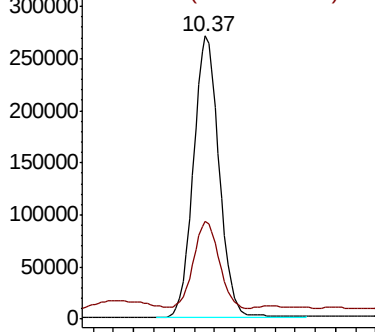
75 100

77 30.5 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.105 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

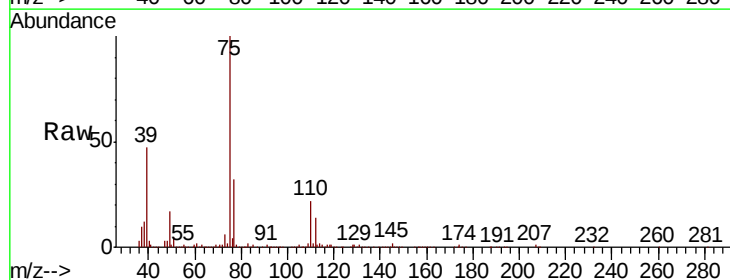
Tgt Ion: 75 Resp: 509963

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

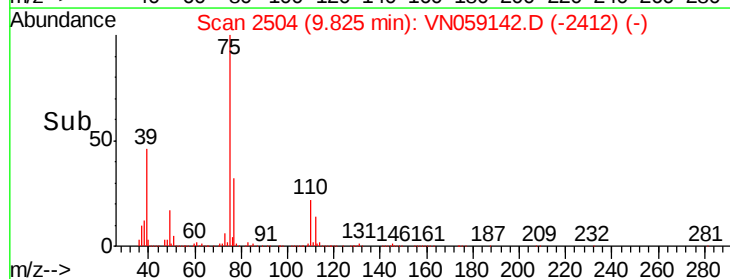
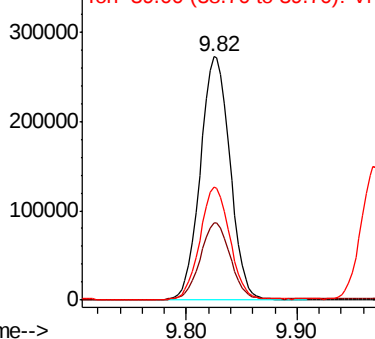
39 46.2 37.3 55.9

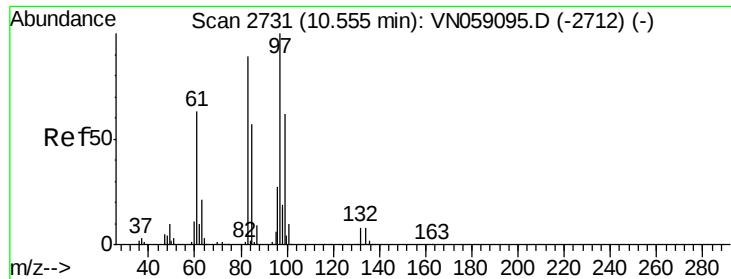


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

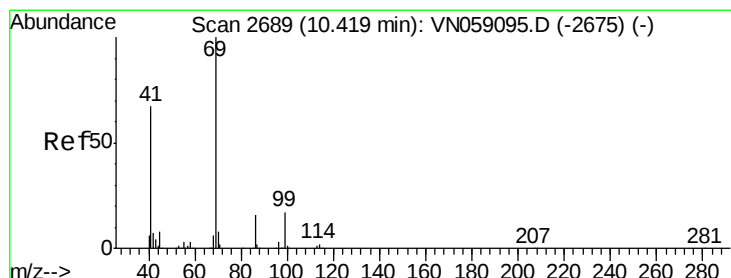
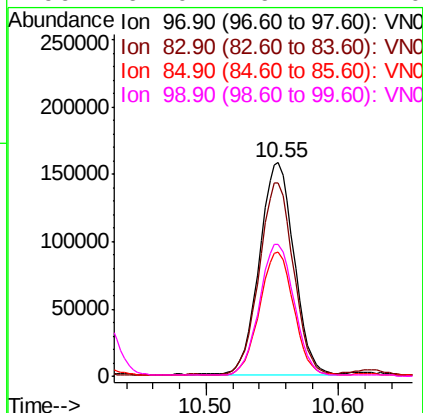
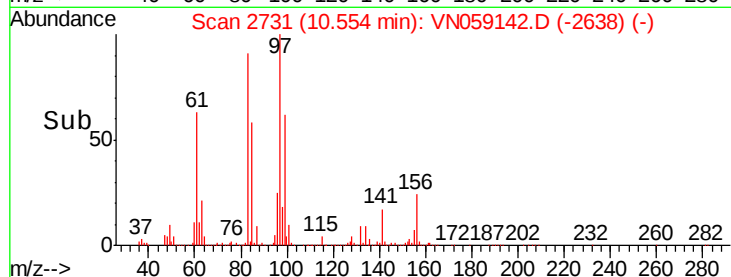
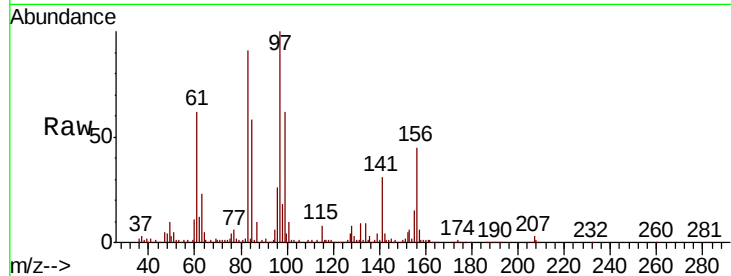




#55
1,1,2-Trichloroethane
Concen: 49.519 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

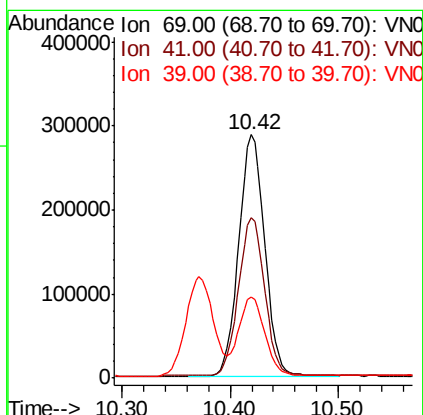
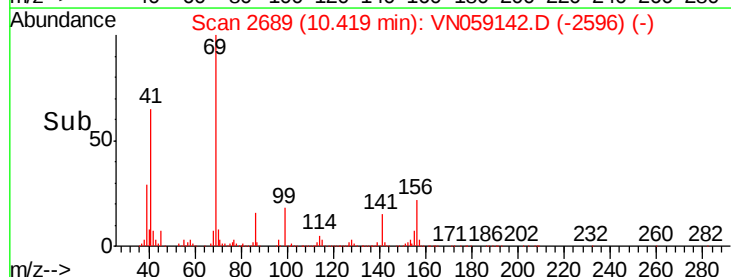
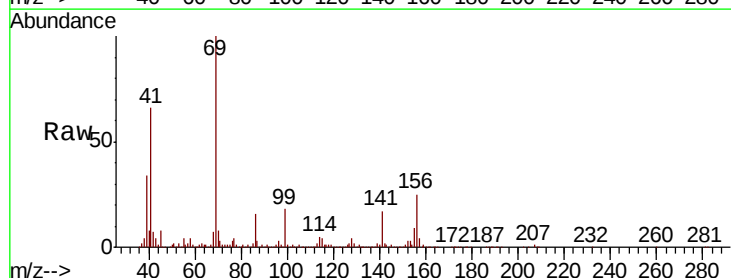
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

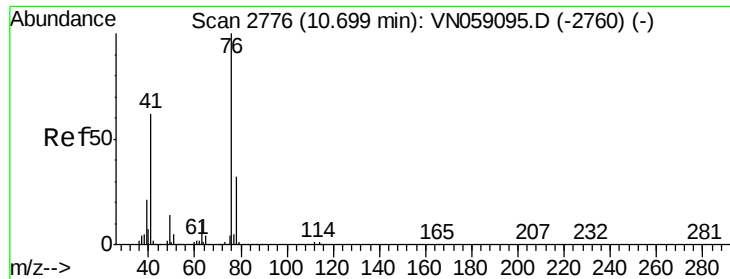
Tot Ion: 97 Resp: 285368
Ion Ratio Lower Upper
97 100
83 90.6 71.0 106.4
85 58.1 45.8 68.8
99 62.0 49.4 74.0



#56
Ethyl methacrylate
Concen: 50.443 ug/l
RT: 10.42 min Scan# 2689
Delta R.T. 0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 69 Resp: 485015
Ion Ratio Lower Upper
69 100
41 65.6 53.6 80.4
39 32.6 26.2 39.4





#57

1,3-Dichloropropane

Concen: 51.005 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

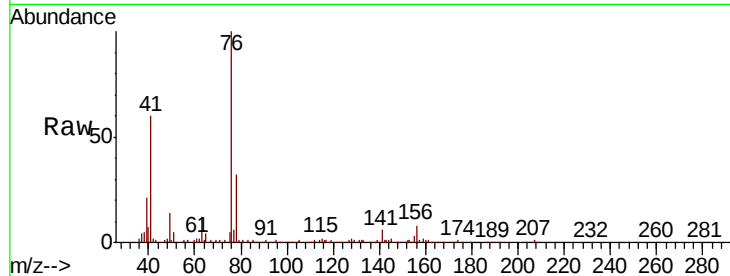
VSTDCCC050EC

Tot Ion: 76 Resp: 505889

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

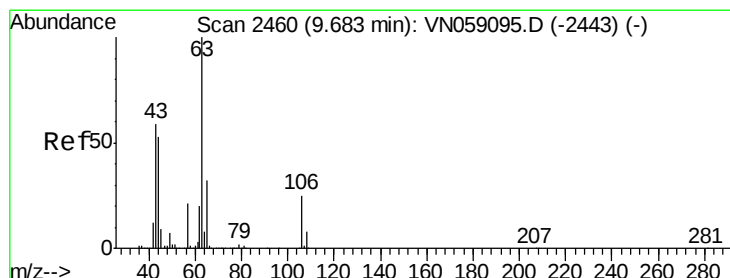
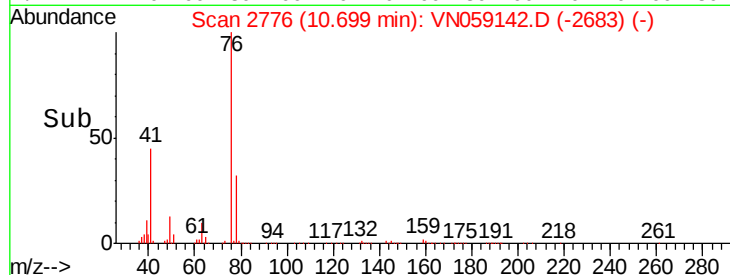
300000

200000

100000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 291.640 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059142.D

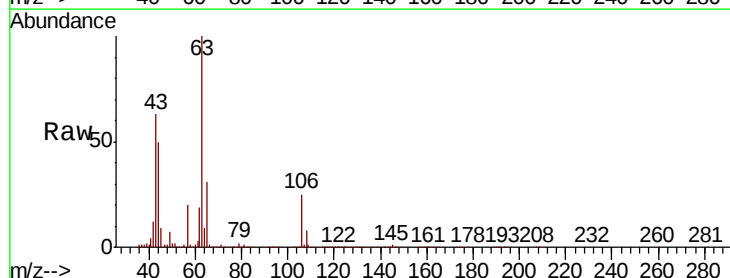
Acq: 8 Nov 2019 18:27

Tgt Ion: 63 Resp: 935340

Ion Ratio Lower Upper

63 100

106 25.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

600000

500000

400000

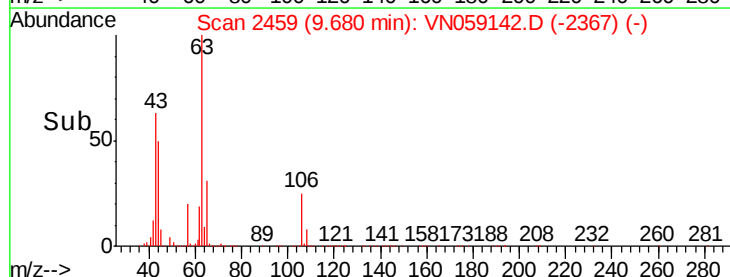
300000

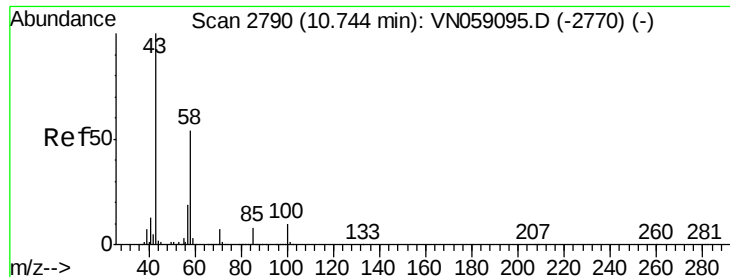
200000

100000

0

Time--> 9.60 9.70 9.80

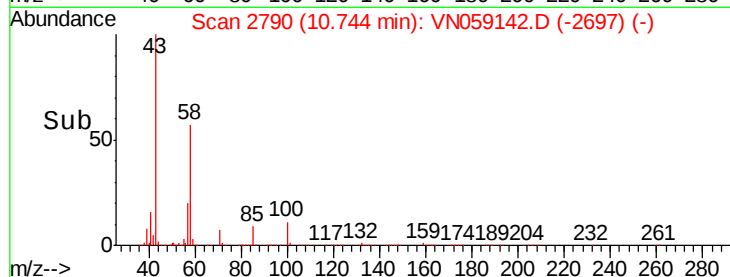
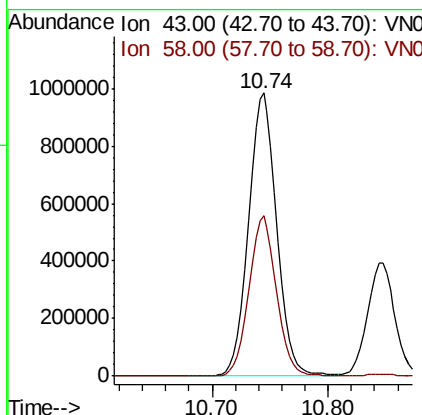
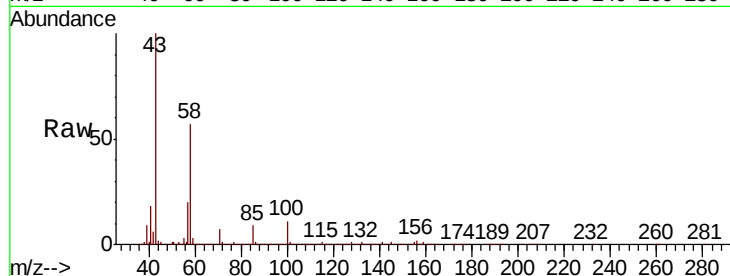




#59
2-Hexanone
Concen: 273.325 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

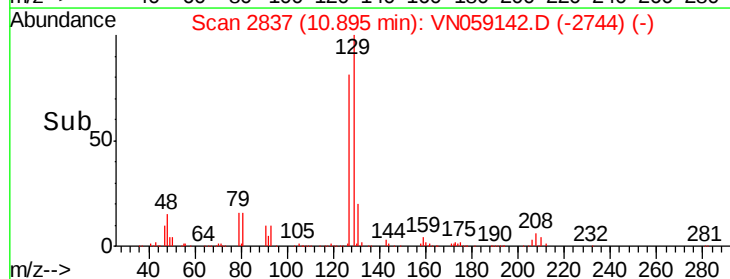
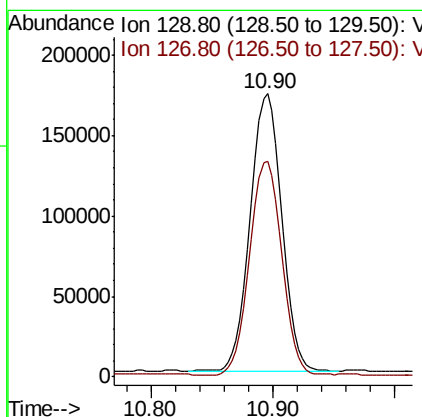
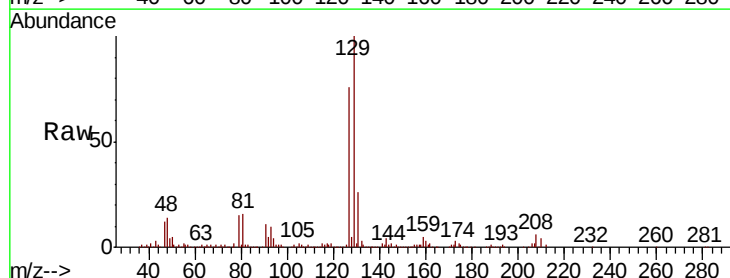
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

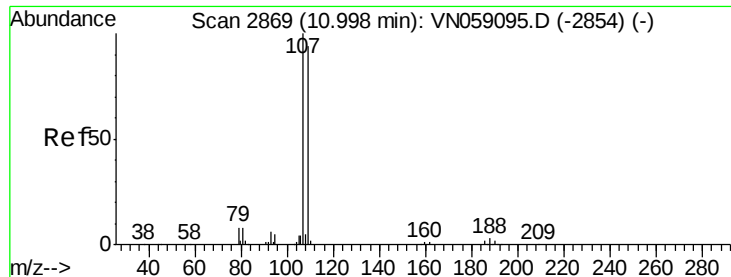
Tot Ion: 43 Resp: 1660919
Ion Ratio Lower Upper
43 100
58 55.7 27.3 81.8



#60
Dibromochloromethane
Concen: 50.631 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 129 Resp: 308495
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8

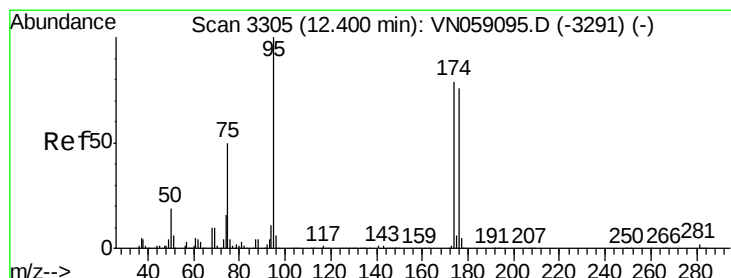
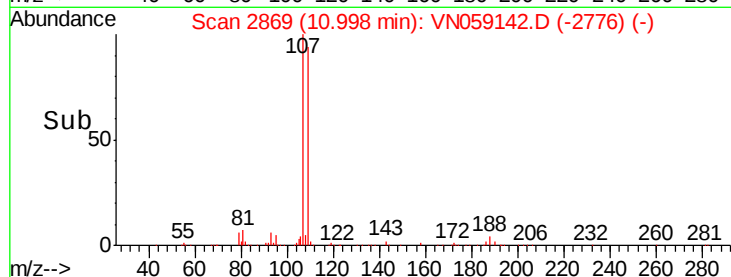
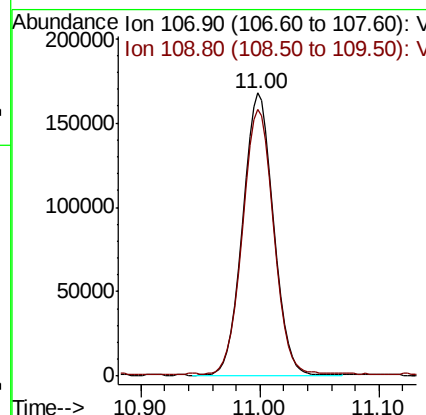
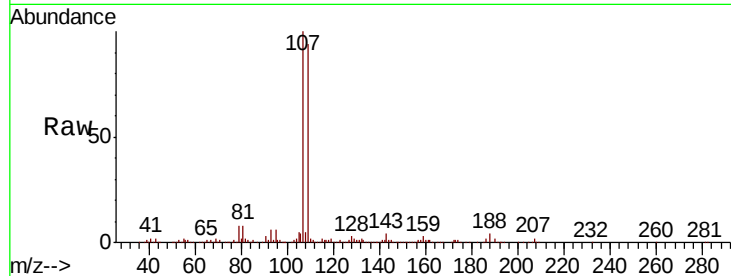




#61
 1,2-Dibromoethane
 Concen: 51.039 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

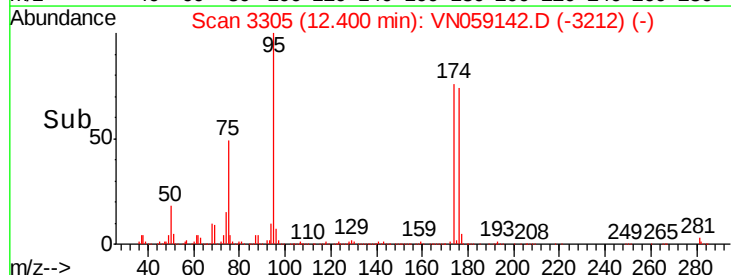
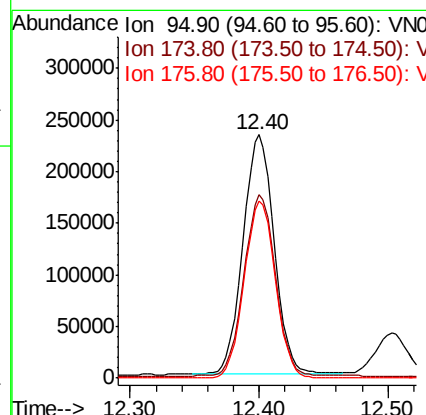
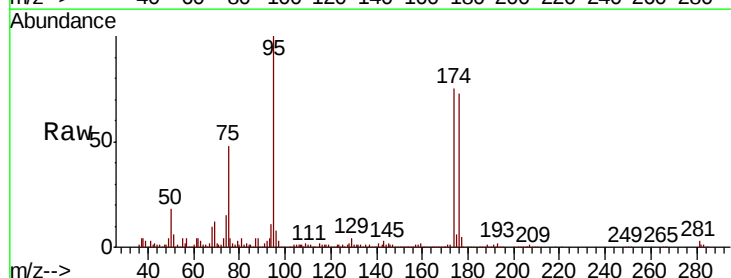
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

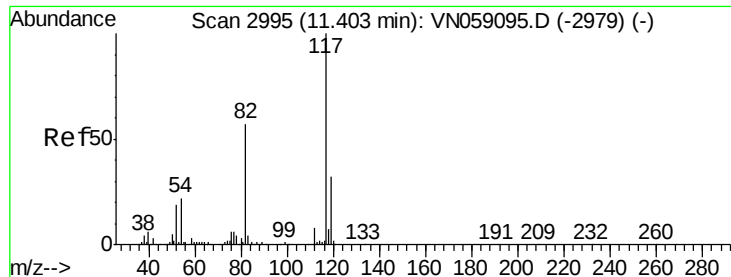
Tot Ion:107 Resp: 297755
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 54.639 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion: 95 Resp: 391082
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 158.2
 176 74.3 0.0 151.8

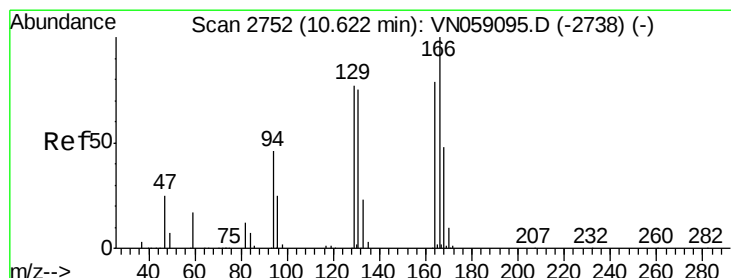
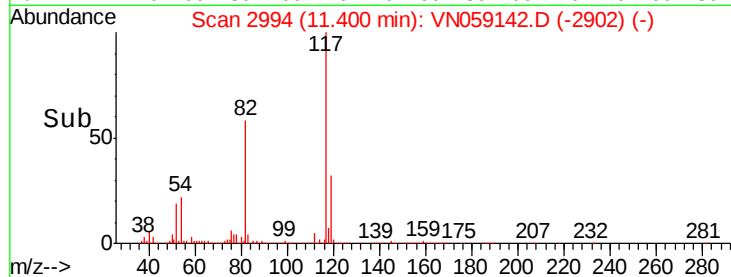
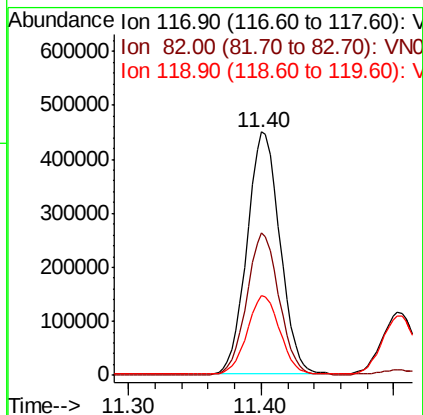
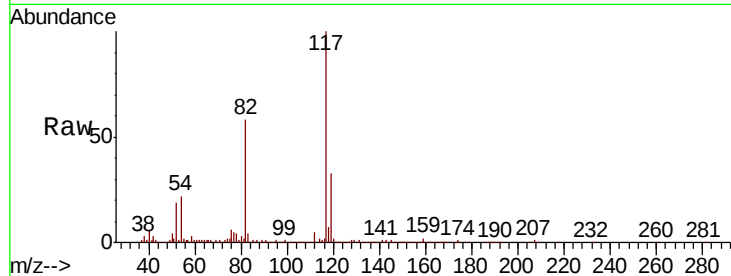




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

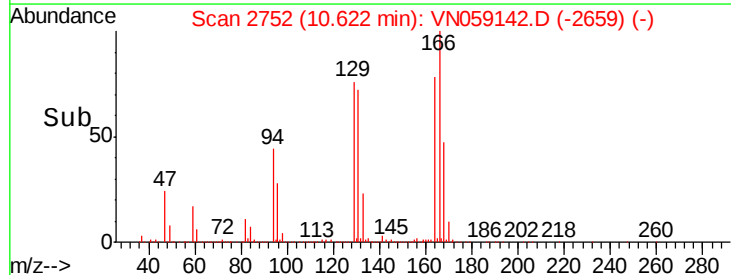
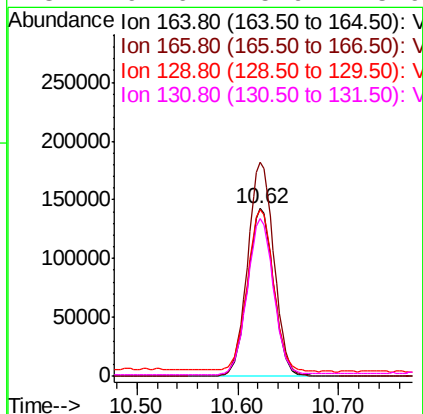
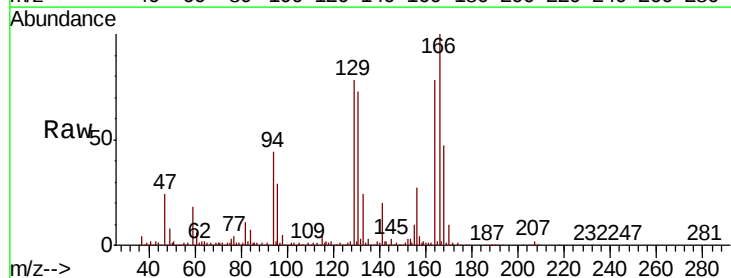
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

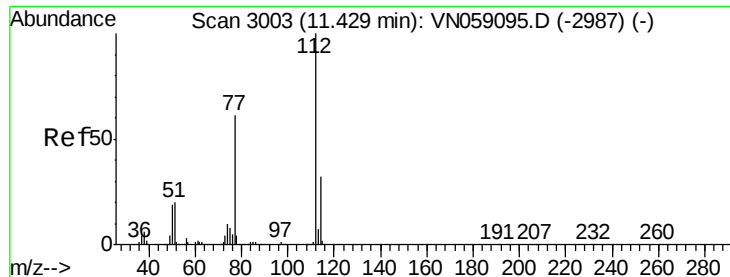
Tot Ion:117 Resp: 772909
Ion Ratio Lower Upper
117 100
82 58.3 45.8 68.8
119 32.2 25.8 38.6



#64
Tetrachloroethene
Concen: 48.008 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion:164 Resp: 252315
Ion Ratio Lower Upper
164 100
166 127.6 101.5 152.3
129 96.9 78.3 117.5
131 92.6 75.9 113.9

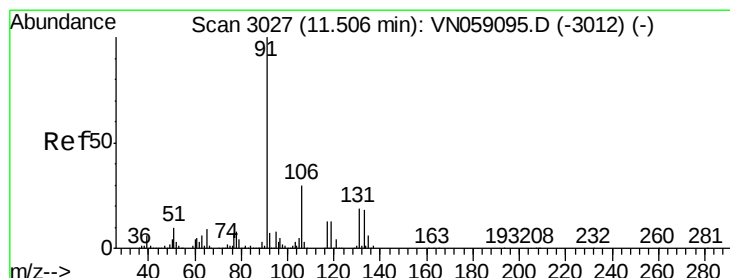
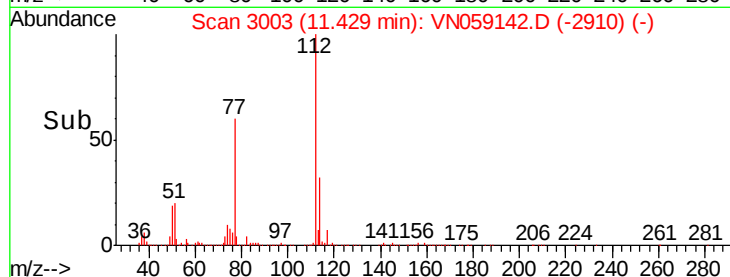
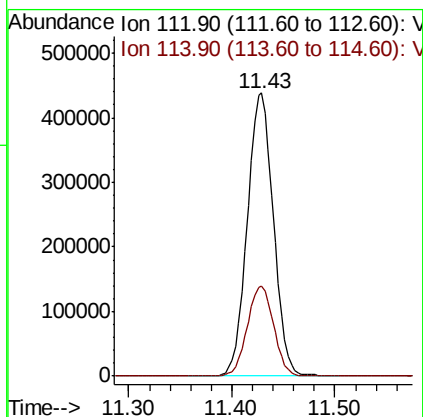
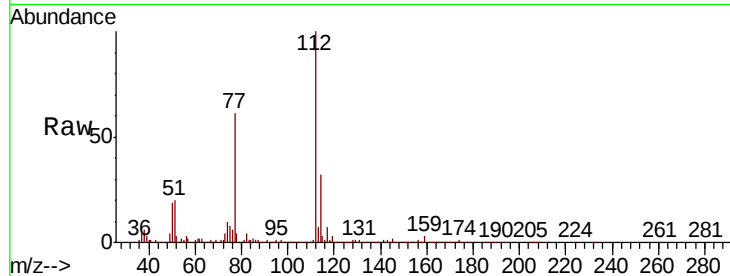




#65
Chlorobenzene
Concen: 50.921 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

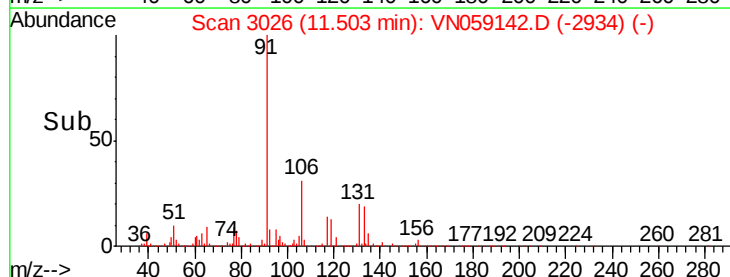
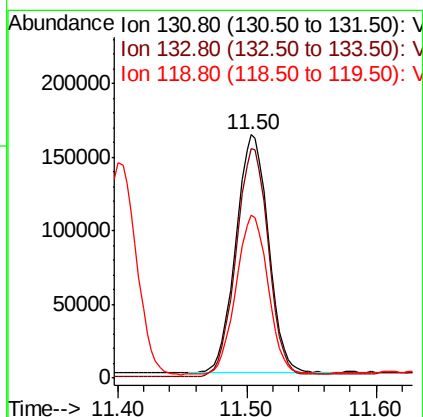
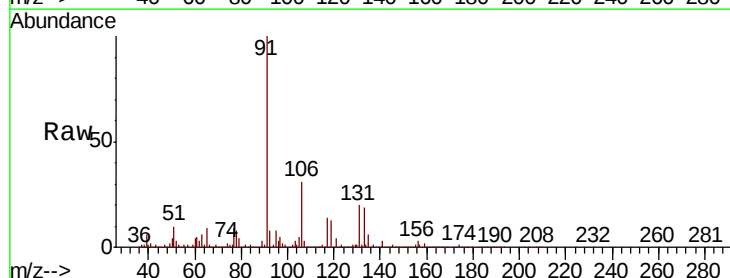
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 767227
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 50.235 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion:131 Resp: 283928
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 66.2 33.2 99.6

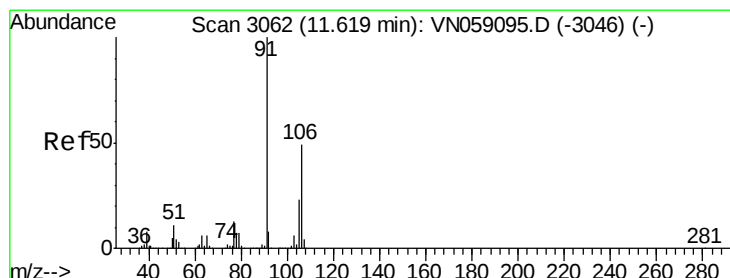
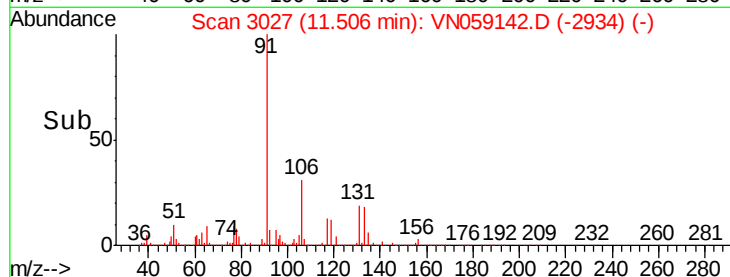
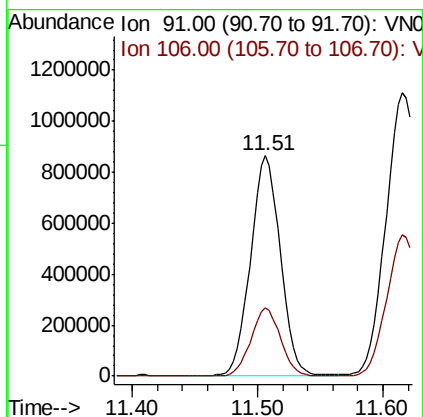
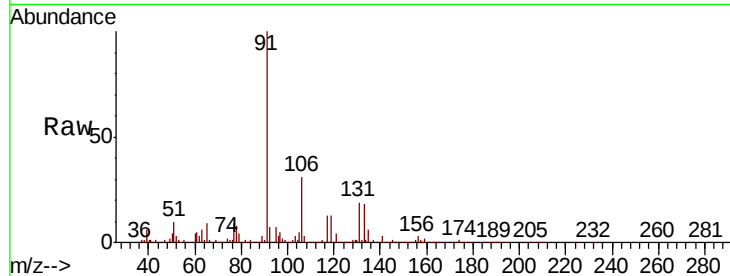




#67
Ethyl Benzene
Concen: 53.081 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

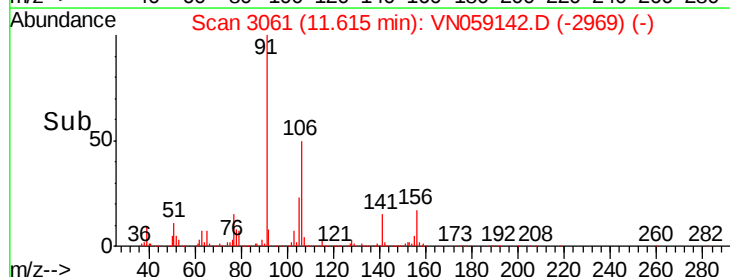
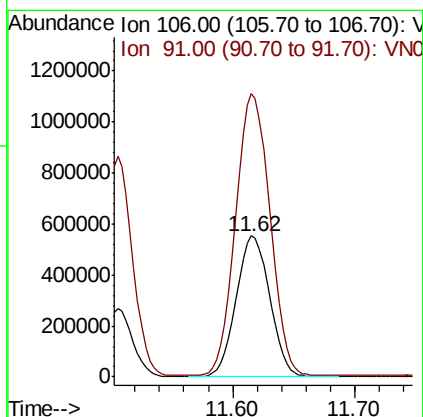
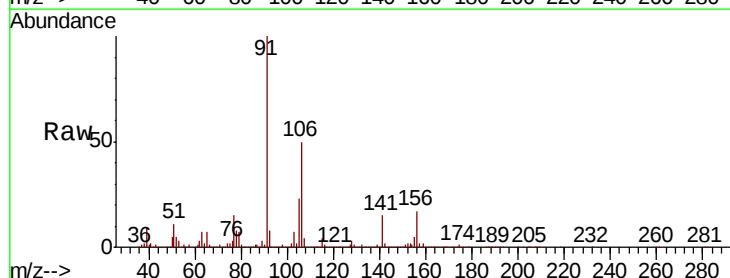
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

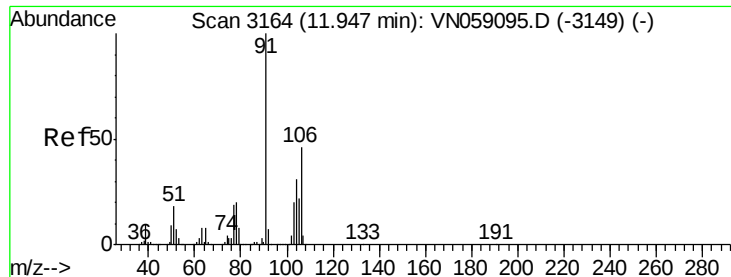
Tot Ion: 91 Resp: 1418974
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1



#68
m/p-Xylenes
Concen: 105.057 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 106 Resp: 1052003
Ion Ratio Lower Upper
106 100
91 204.3 164.7 247.1

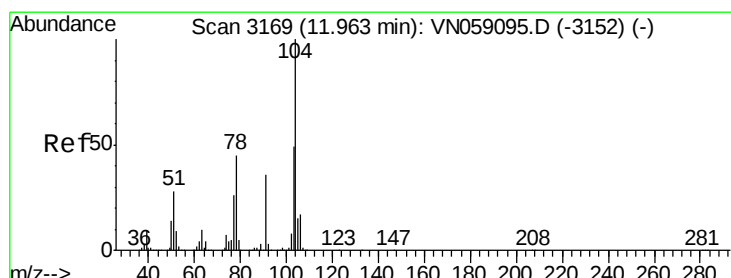
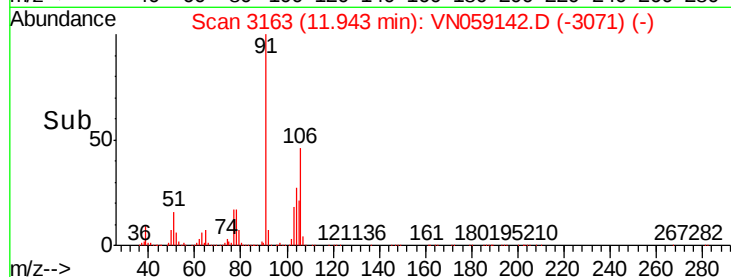
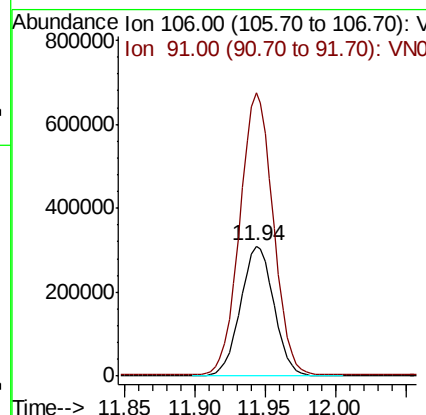
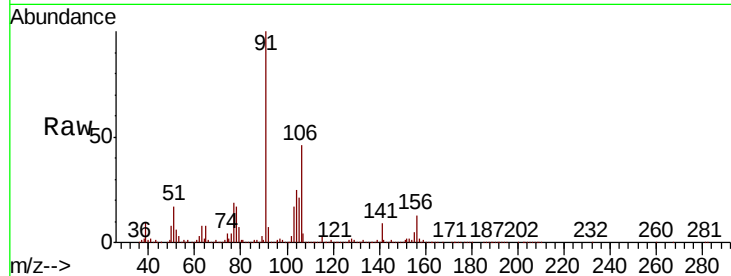




#69
o-Xylene
Concen: 52.852 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

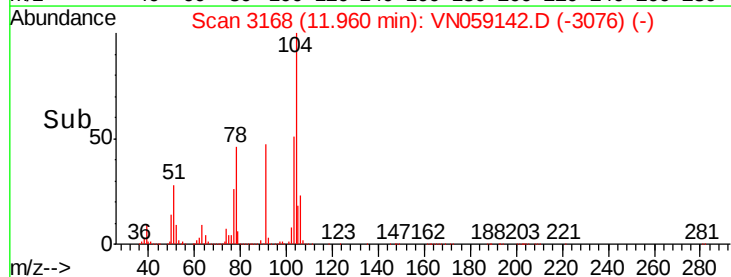
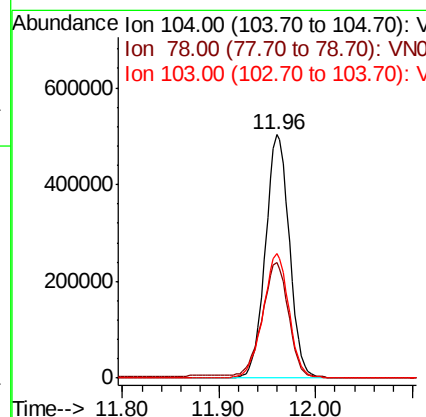
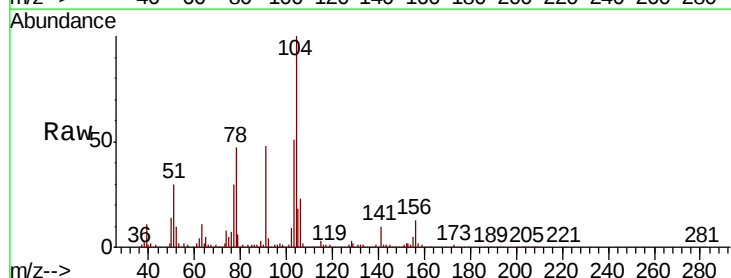
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

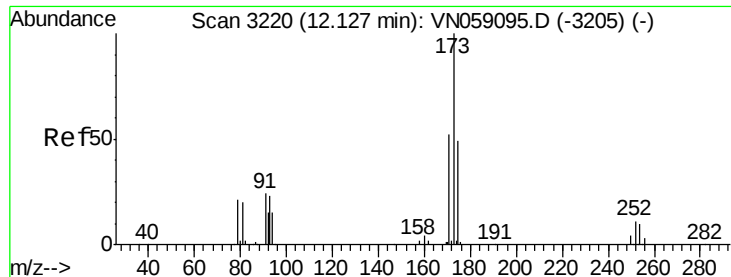
Tot Ion:106 Resp: 511456
Ion Ratio Lower Upper
106 100
91 217.3 110.1 330.3



#70
Styrene
Concen: 56.688 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion:104 Resp: 862770
Ion Ratio Lower Upper
104 100
78 52.4 41.2 61.8
103 54.7 43.8 65.6

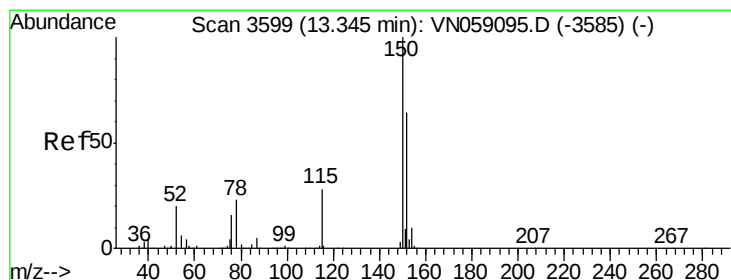
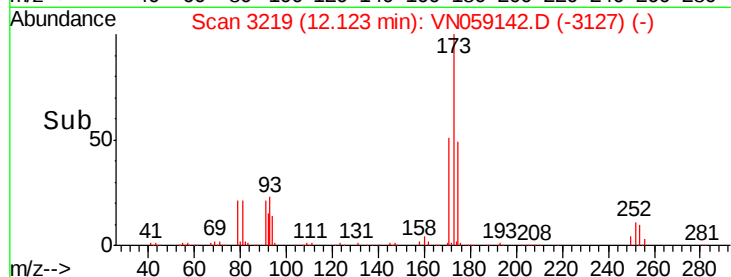
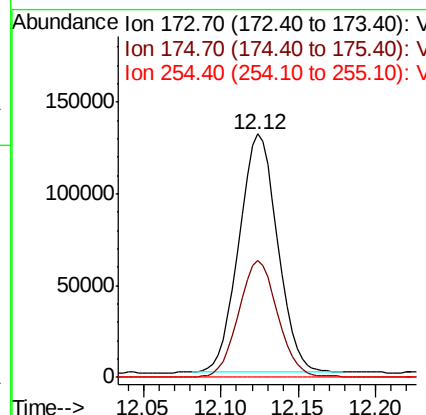
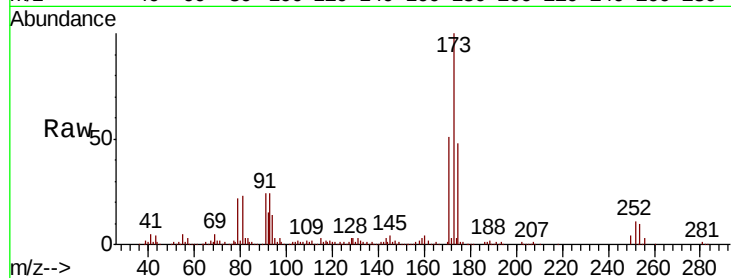




#71
Bromoform
Concen: 51.119 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

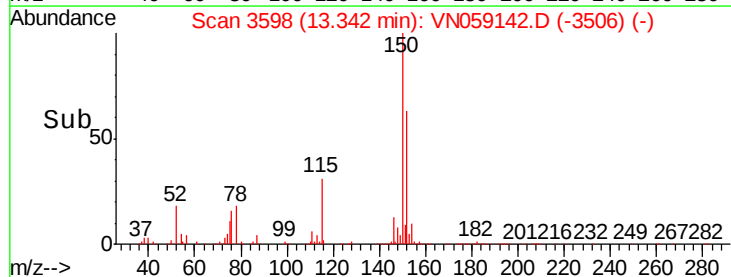
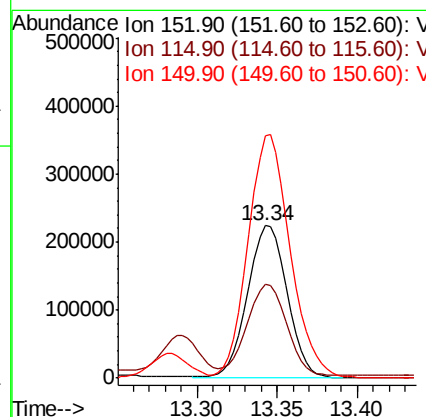
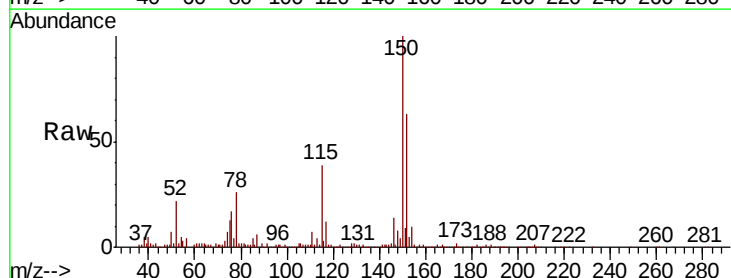
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

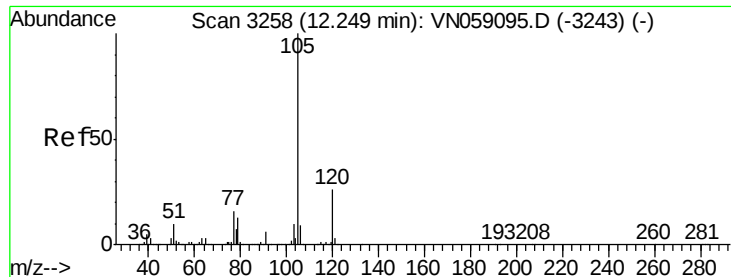
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.1	0.1	0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.4	88.2
150	171.1	0.0	345.8





#73

Isopropylbenzene

Concen: 50.241 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

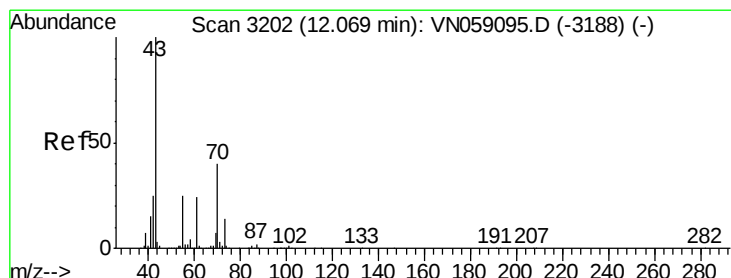
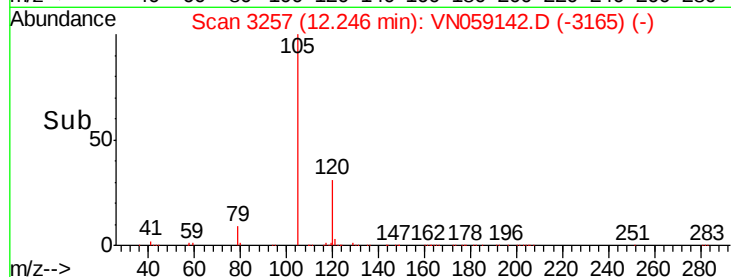
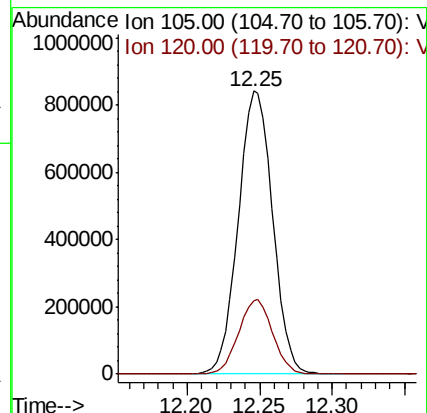
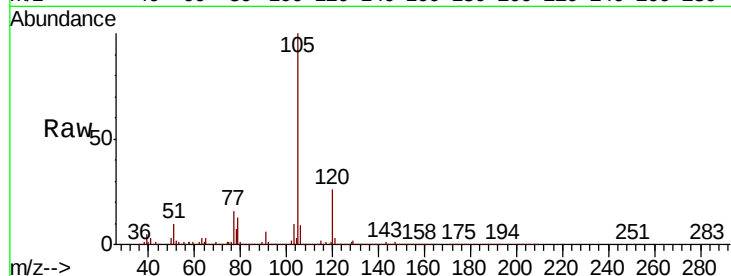
VSTDCCC050EC

Tot Ion:105 Resp: 1373365

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3



#74

N-ethyl acetate

Concen: 54.284 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion: 43 Resp: 628781

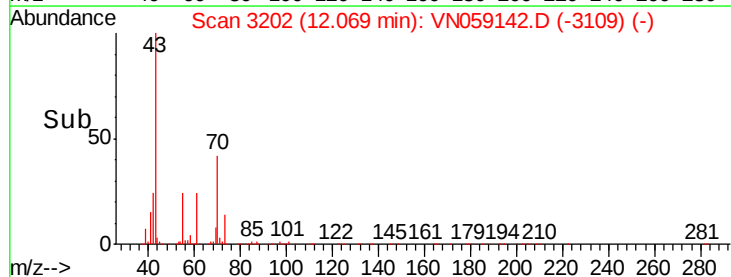
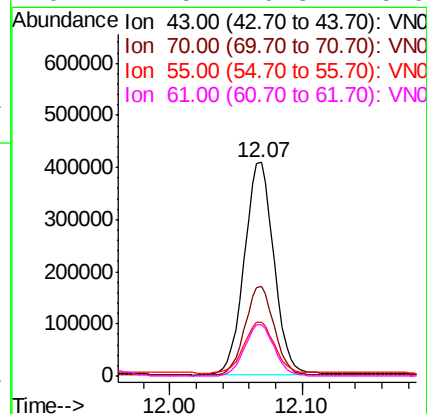
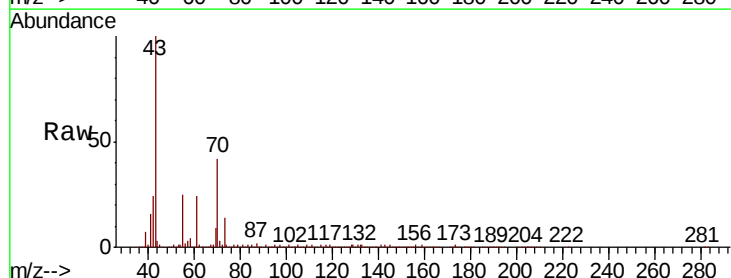
Ion Ratio Lower Upper

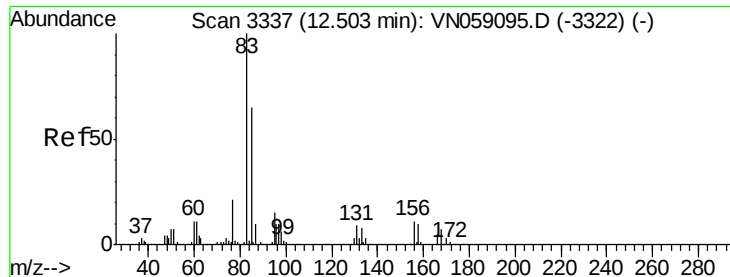
43 100

70 41.7 32.2 48.4

55 25.1 20.4 30.6

61 24.5 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.305 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

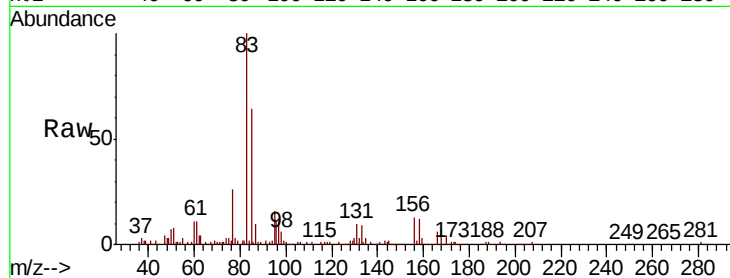
Tot Ion: 83 Resp: 440362

Ion Ratio Lower Upper

83 100

131 10.6 4.9 14.6

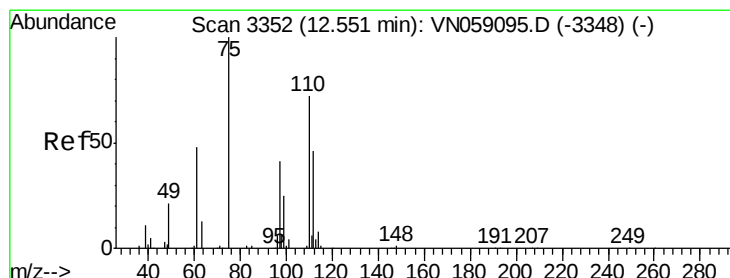
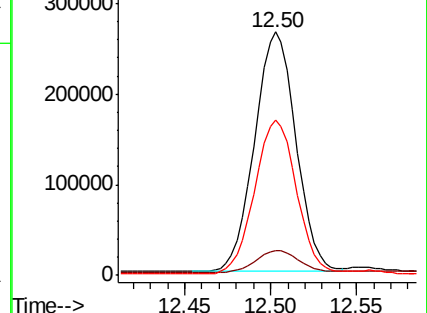
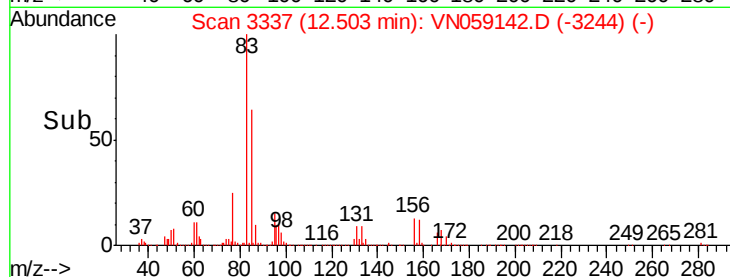
85 64.9 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059142.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059142.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059142.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 71.065 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059142.D

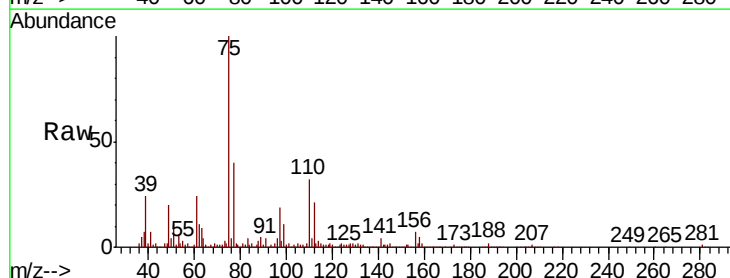
Acq: 8 Nov 2019 18:27

Tgt Ion: 75 Resp: 608009

Ion Ratio Lower Upper

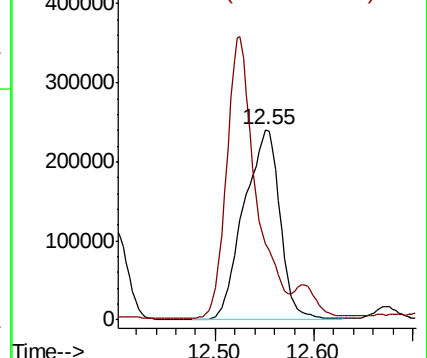
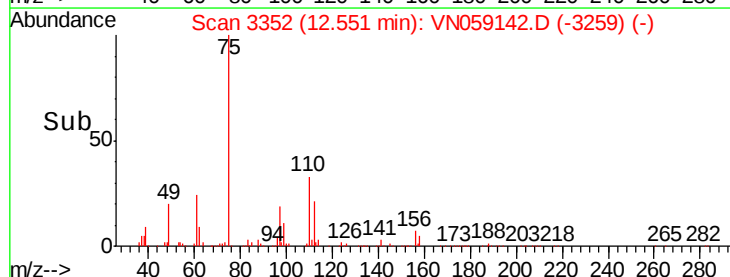
75 100

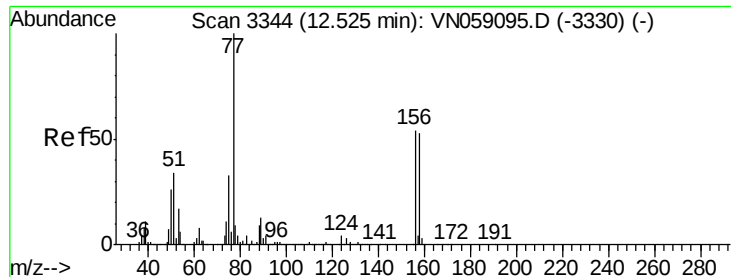
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059142.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059142.D (-3259) (-)





#77

Bromobenzene

Concen: 48.940 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

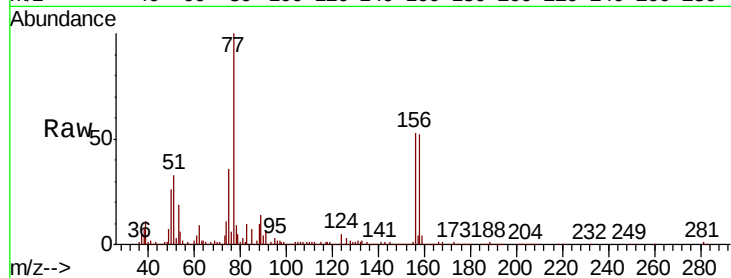
Tot Ion:156 Resp: 336113

Ion Ratio Lower Upper

156 100

77 220.0 112.8 338.3

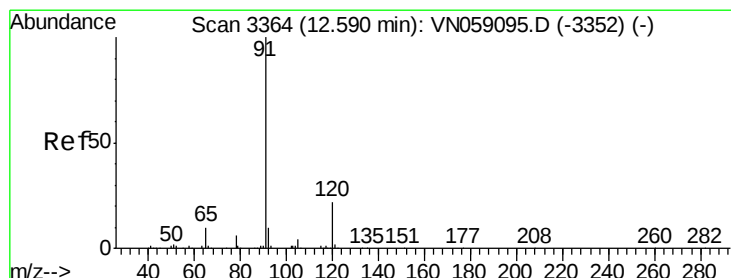
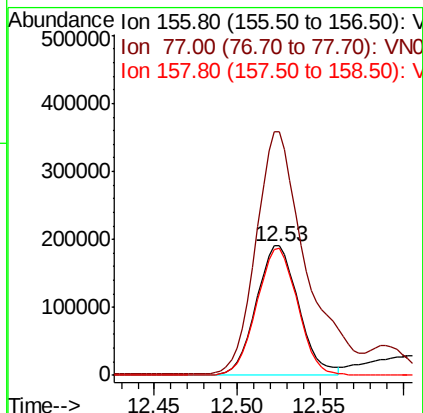
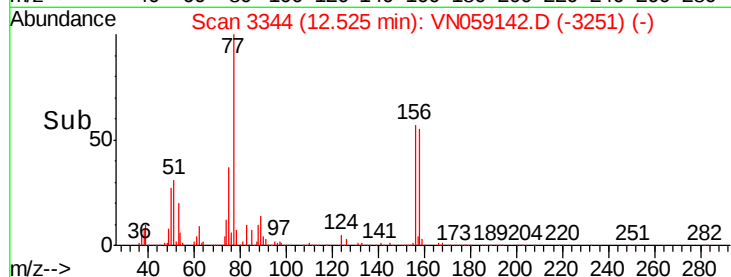
158 94.0 48.4 145.3



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: 51.628 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059142.D

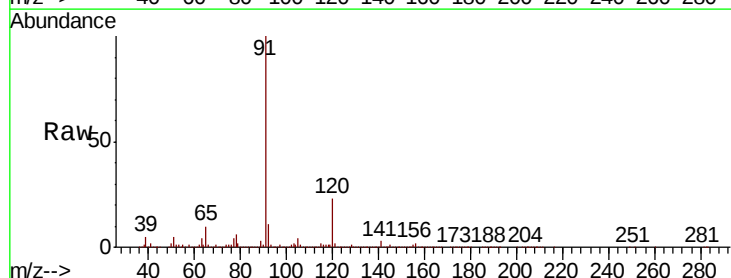
Acq: 8 Nov 2019 18:27

Tgt Ion: 91 Resp: 1615920

Ion Ratio Lower Upper

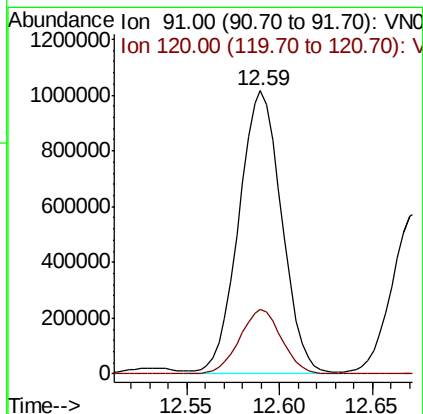
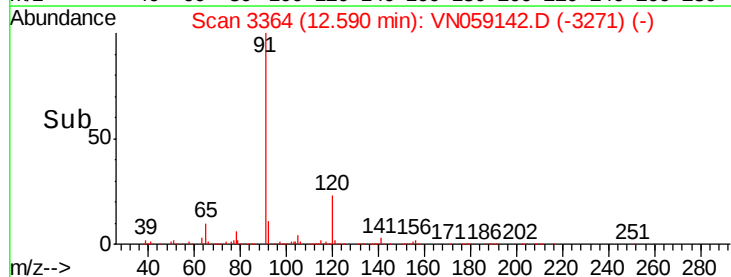
91 100

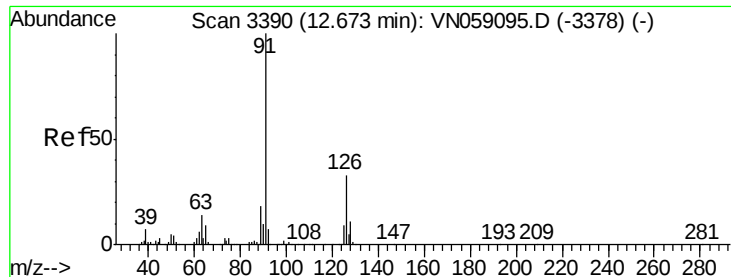
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

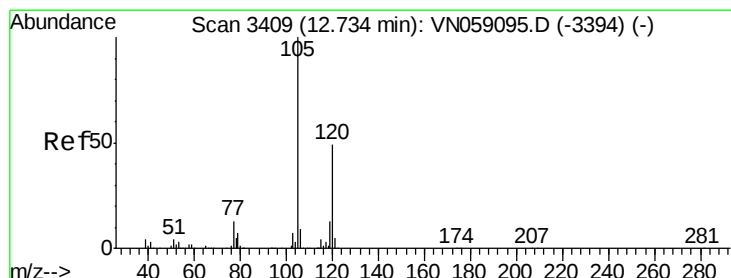
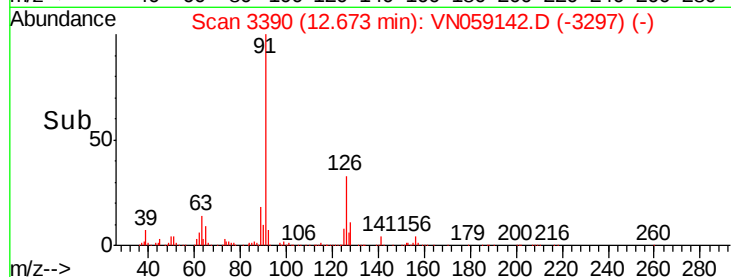
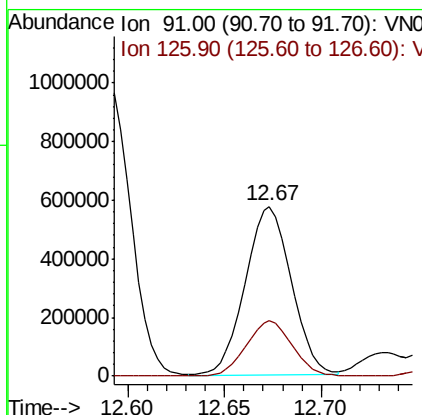
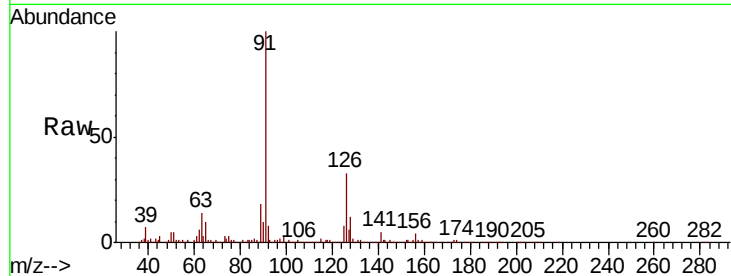




#79
 2-Chlorotoluene
 Concen: 49.280 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

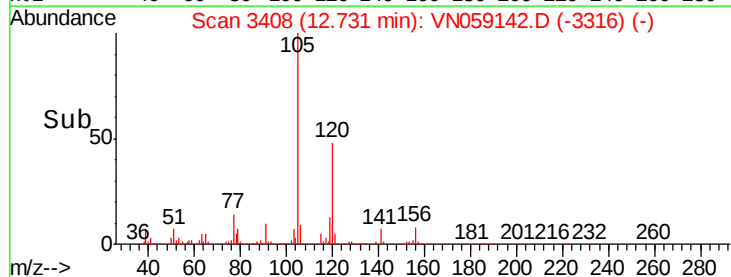
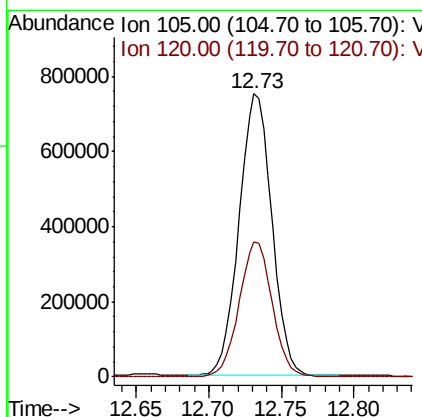
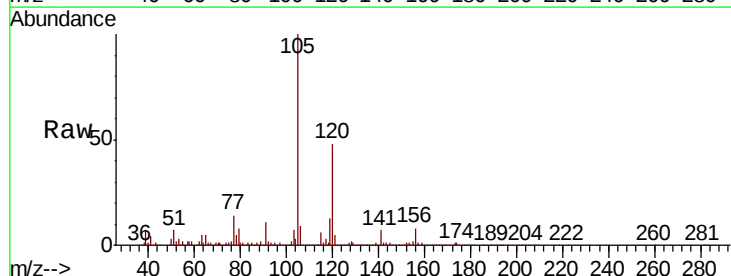
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 956843
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 50.960 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion: 105 Resp: 1180376
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.003 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

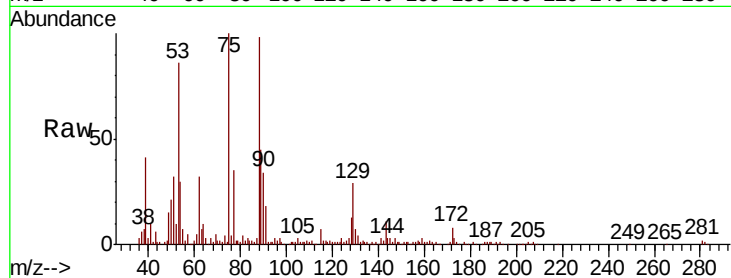
Tot Ion: 75 Resp: 168448

Ion Ratio Lower Upper

75 100

53 85.9 72.2 108.2

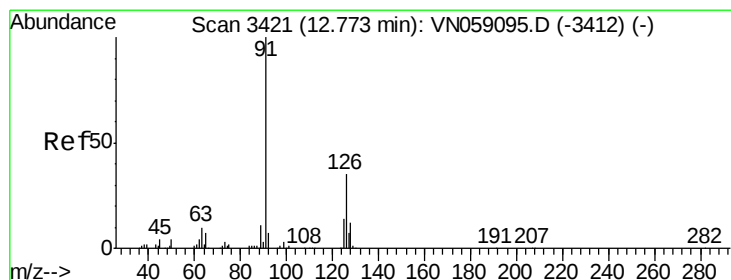
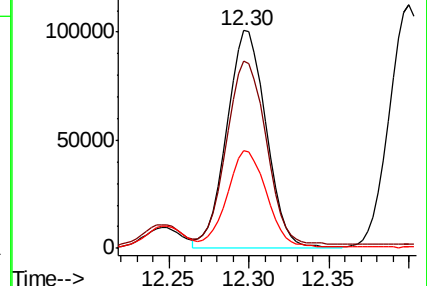
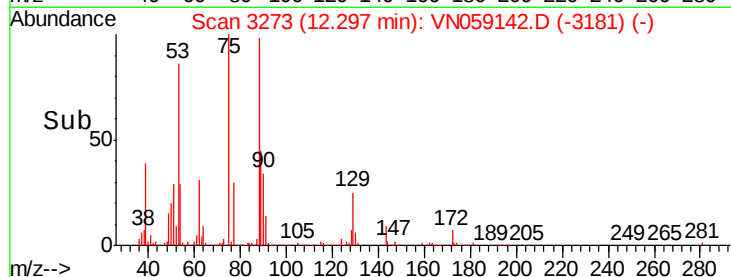
89 44.2 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.022 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059142.D

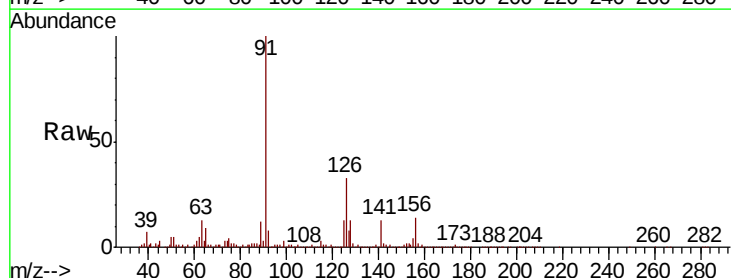
Acq: 8 Nov 2019 18:27

Tgt Ion: 91 Resp: 974150

Ion Ratio Lower Upper

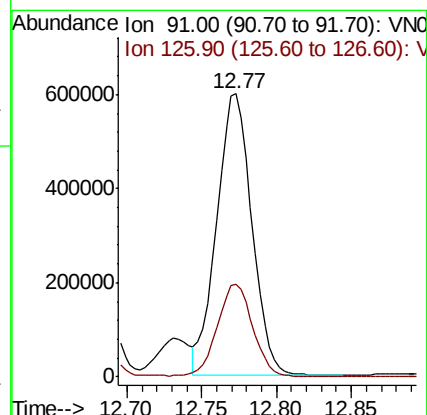
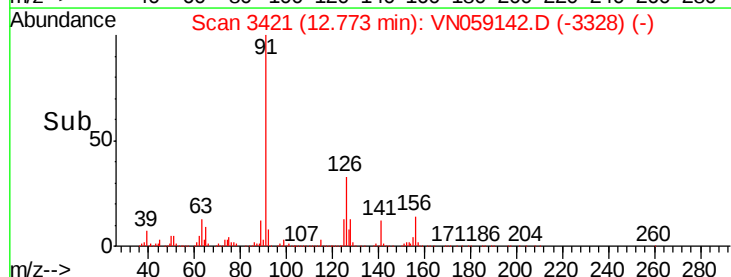
91 100

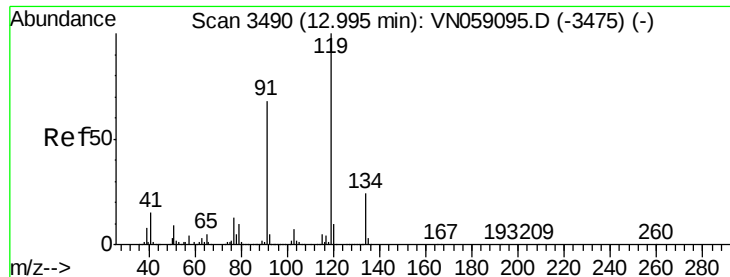
126 33.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

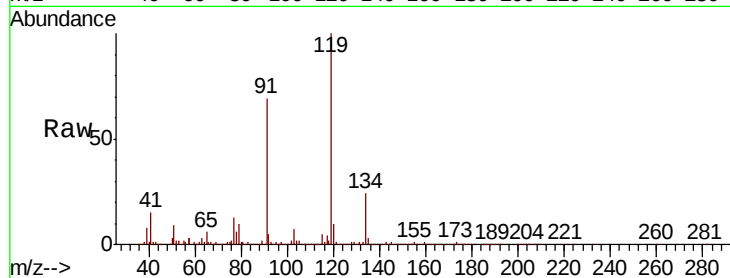




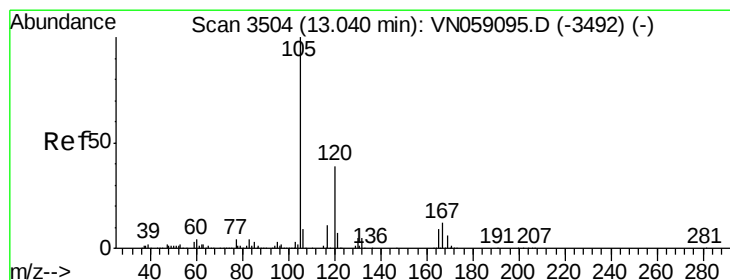
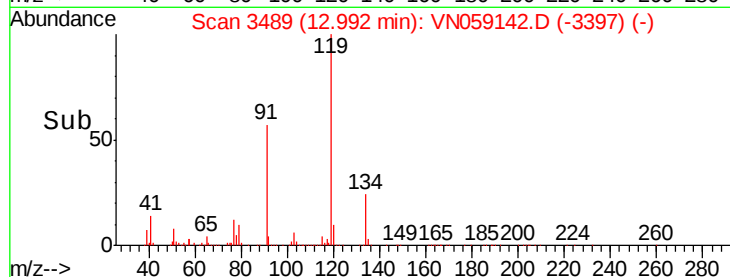
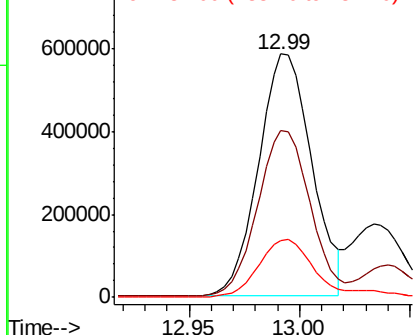
#83
tert-Butylbenzene
Concen: 48.770 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 975544
Ion Ratio Lower Upper
119 100
91 67.0 33.2 99.6
134 24.2 12.7 38.1

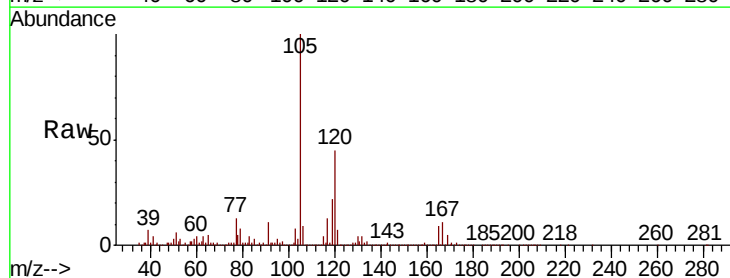


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

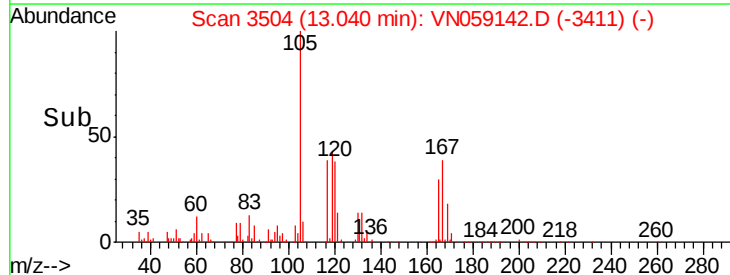
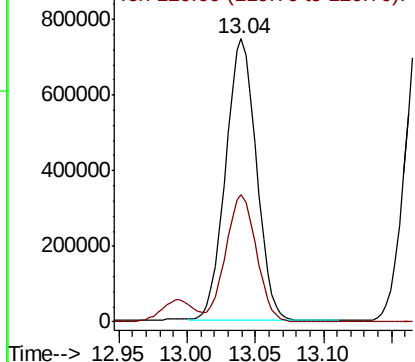


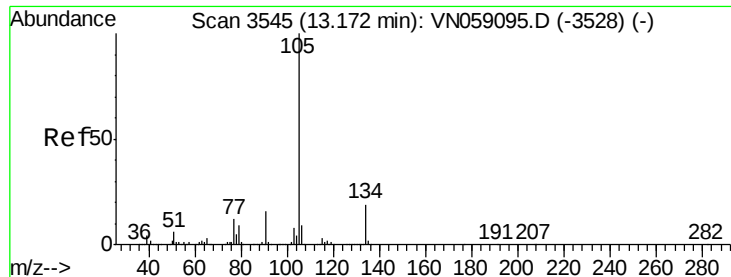
#84
1,2,4-Trimethylbenzene
Concen: 52.288 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion:105 Resp: 1171764
Ion Ratio Lower Upper
105 100
120 44.9 22.8 68.4



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

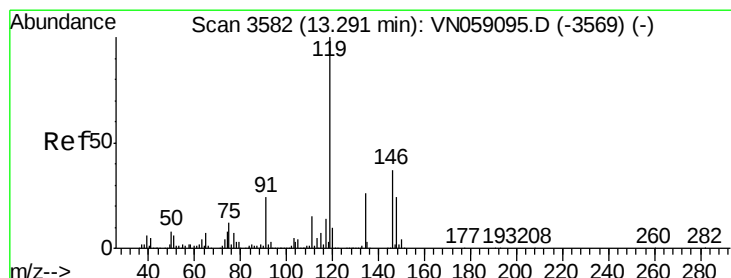
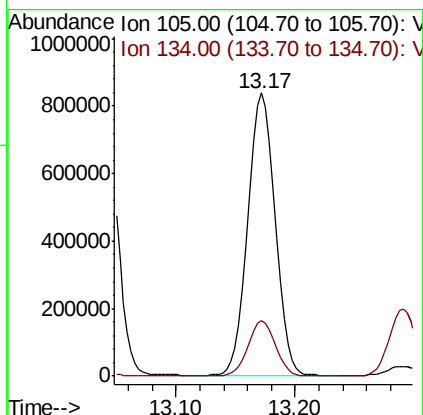
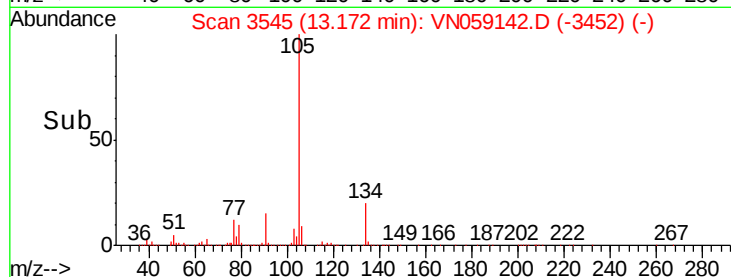
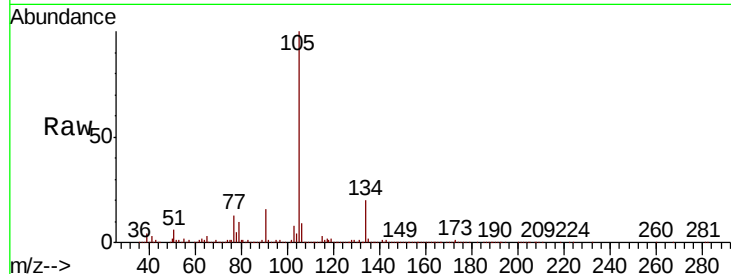




#85
 sec-Butylbenzene
 Concen: 51.072 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

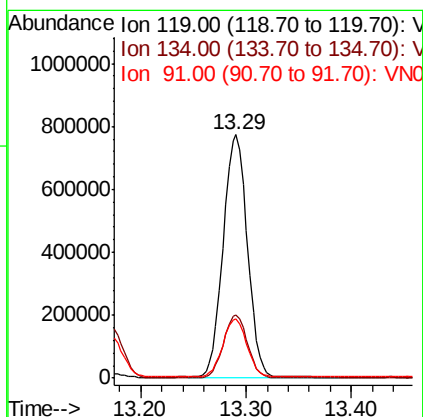
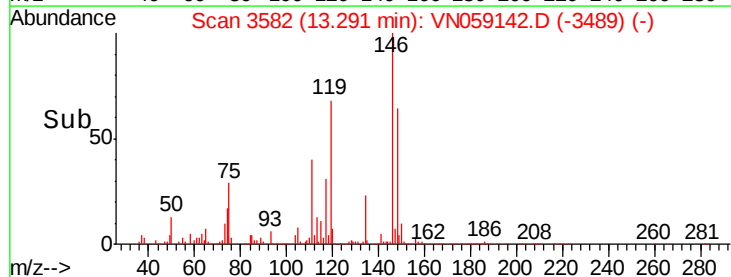
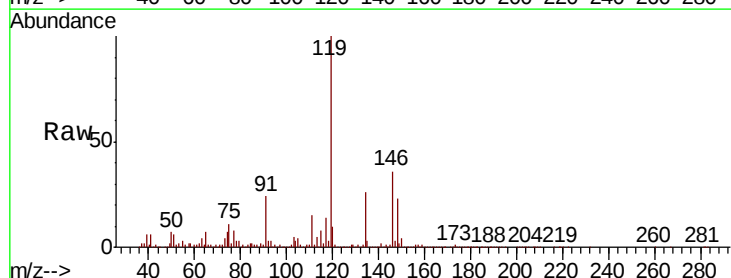
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

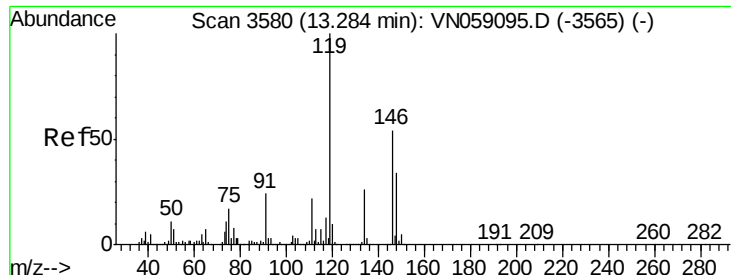
Tot Ion:105 Resp: 1328615
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 53.095 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion:119 Resp: 1219596
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.0 38.9
 91 23.8 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 50.211 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

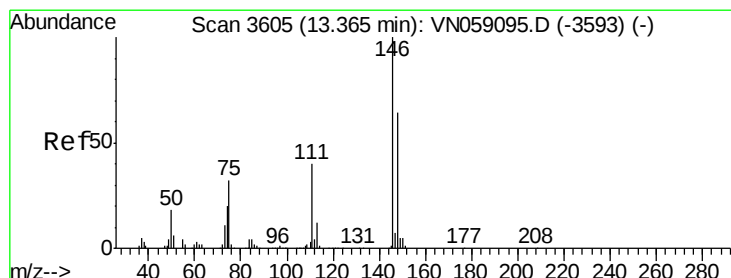
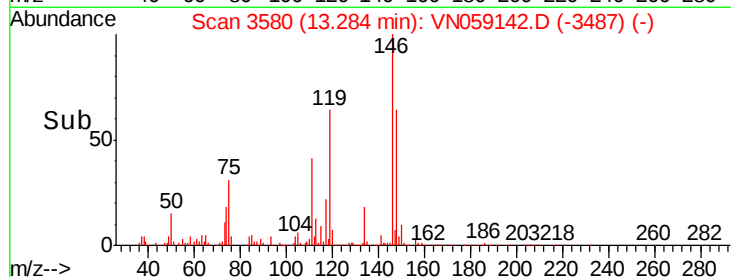
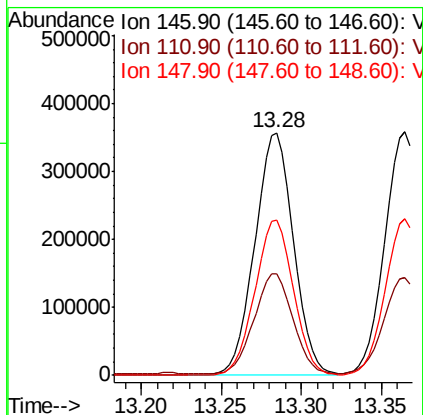
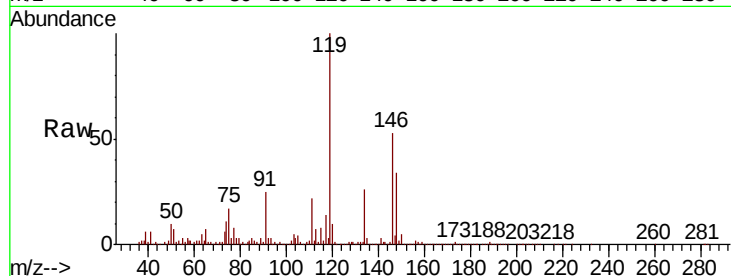
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	590510
Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.4	61.3
148	63.9	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 50.212 ug/l

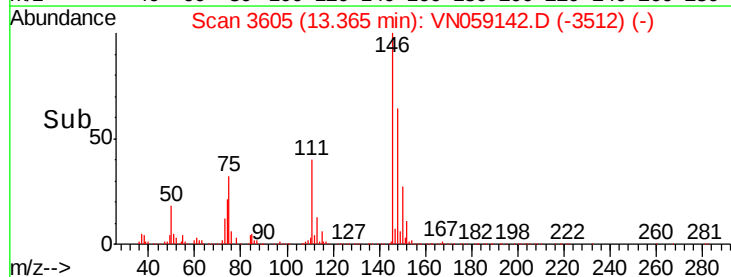
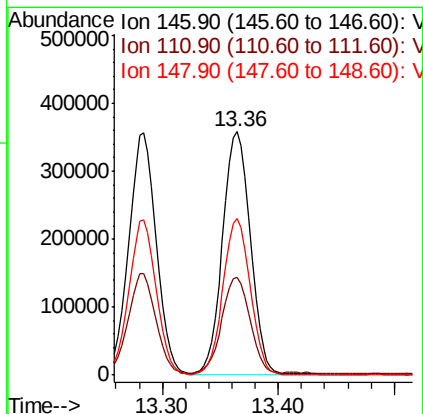
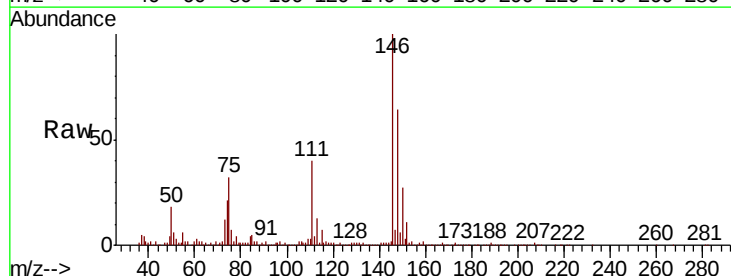
RT: 13.36 min Scan# 3605

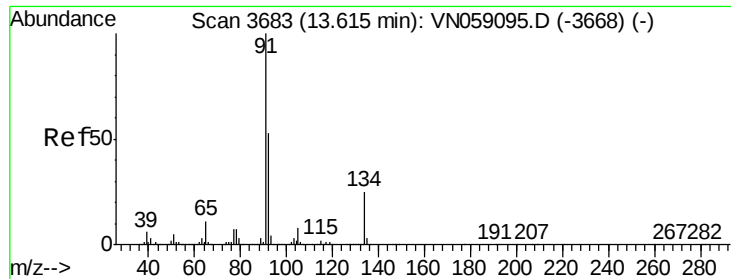
Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Tgt Ion:	146	Resp:	590835
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	63.0	31.9	95.7

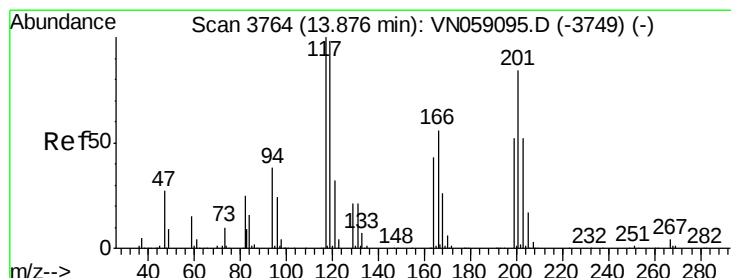
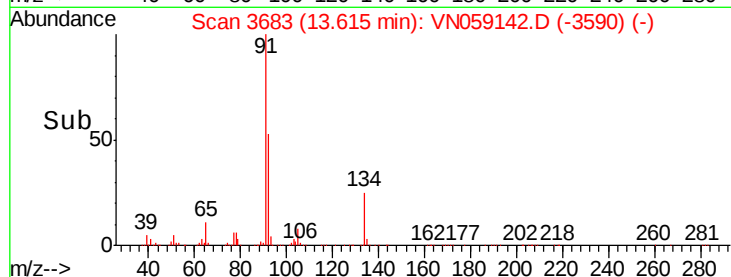
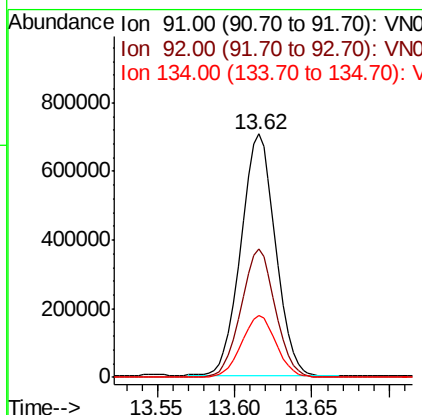
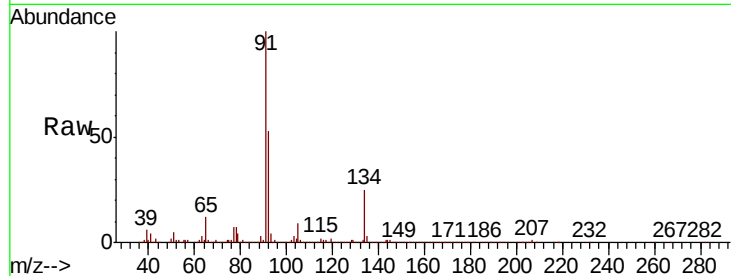




#89
n-Butylbenzene
Concen: 54.262 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

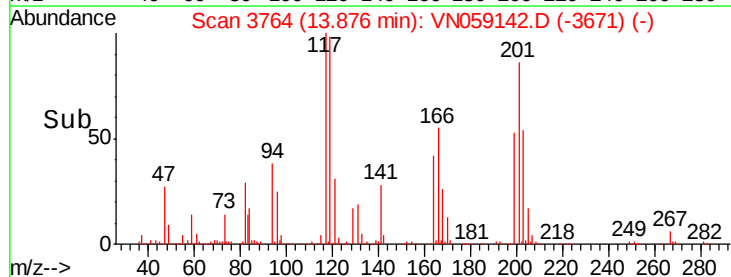
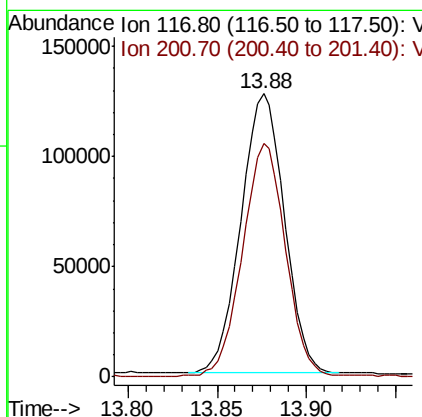
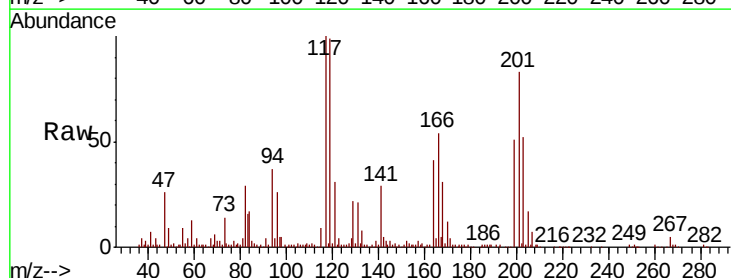
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

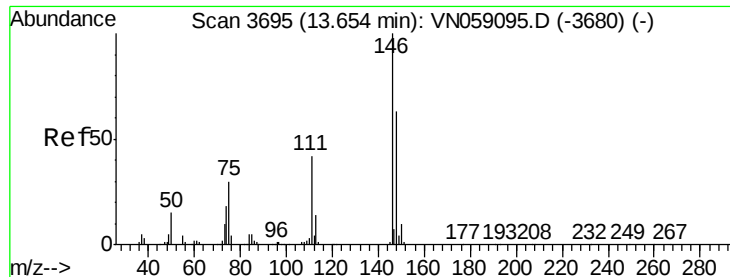
Tot Ion: 91 Resp: 1090908
Ion Ratio Lower Upper
91 100
92 52.5 26.1 78.3
134 25.5 12.6 37.8



#90
Hexachloroethane
Concen: 46.788 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059142.D
Acq: 8 Nov 2019 18:27

Tgt Ion: 117 Resp: 215809
Ion Ratio Lower Upper
117 100
201 82.5 41.8 125.3





#91

1,2-Dichlorobenzene

Concen: 49.912 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

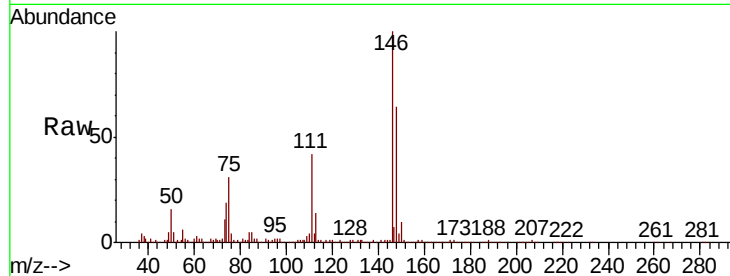
Tot Ion:146 Resp: 577430

Ion Ratio Lower Upper

146 100

111 42.6 21.2 63.6

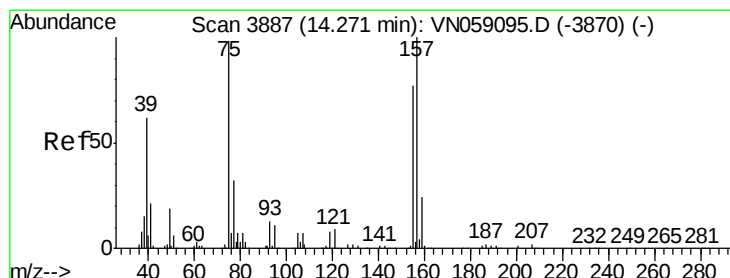
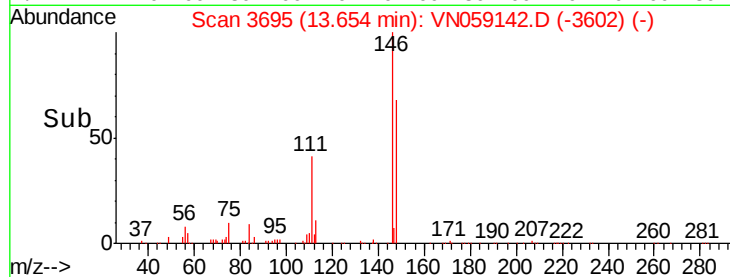
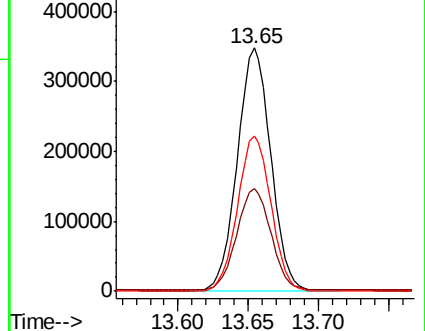
148 64.0 31.6 94.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.734 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

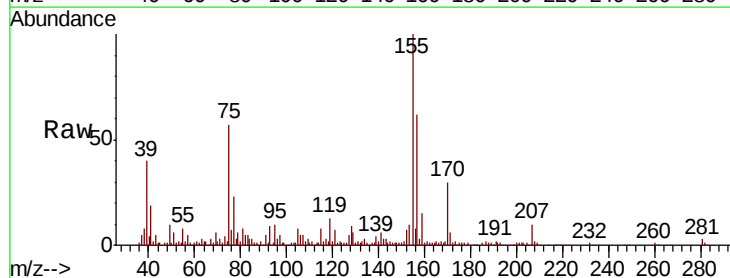
Tgt Ion: 75 Resp: 97943

Ion Ratio Lower Upper

75 100

155 440.3 40.2 120.6#

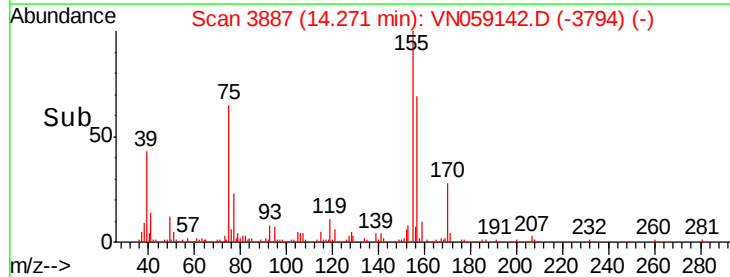
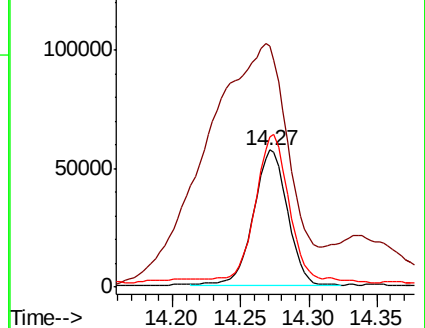
157 112.4 51.8 155.5

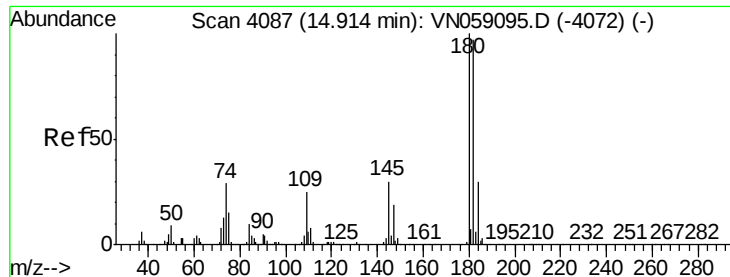


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

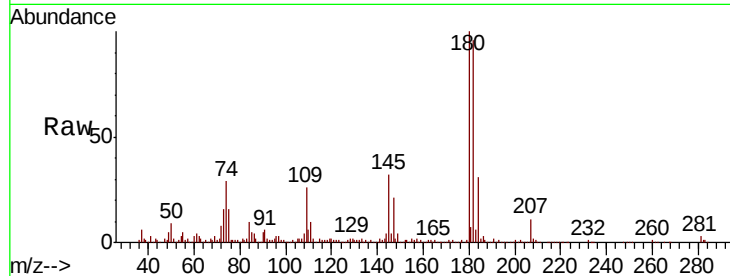




#93
 1,2,4-Trichlorobenzene
 Concen: 51.750 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.3
145	33.2	15.1	45.3

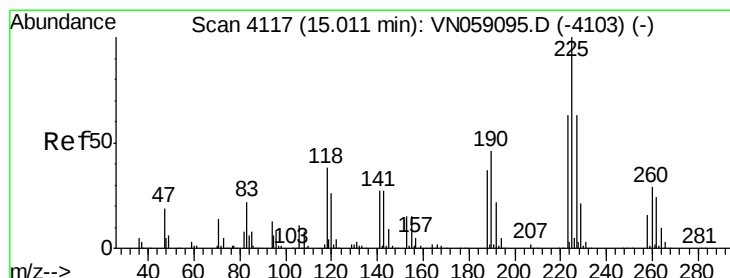
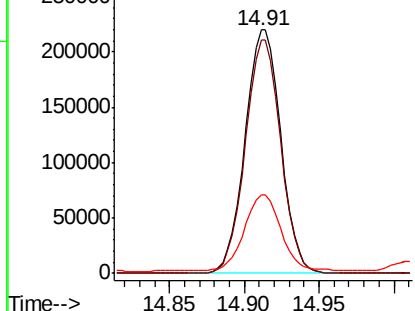
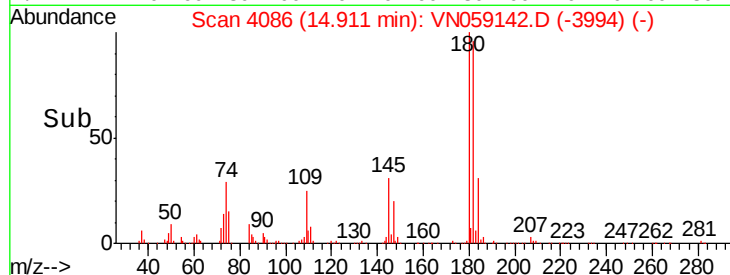


Abundance

Ion 179.80 (179.50 to 180.50): V

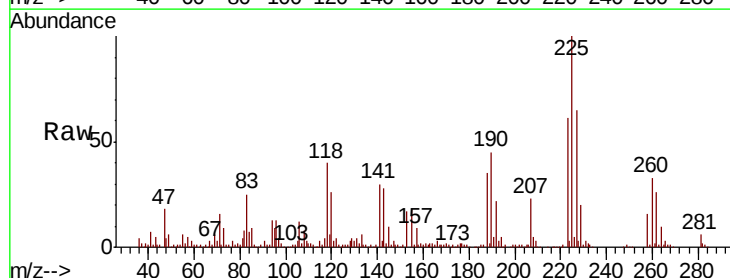
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 45.791 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059142.D
 Acq: 8 Nov 2019 18:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.9
227	64.3	31.5	94.5

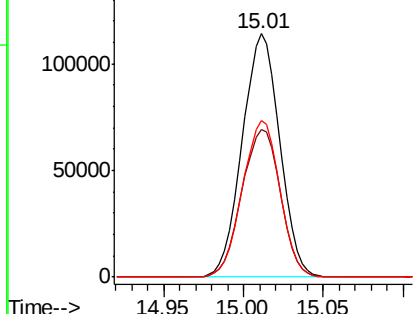
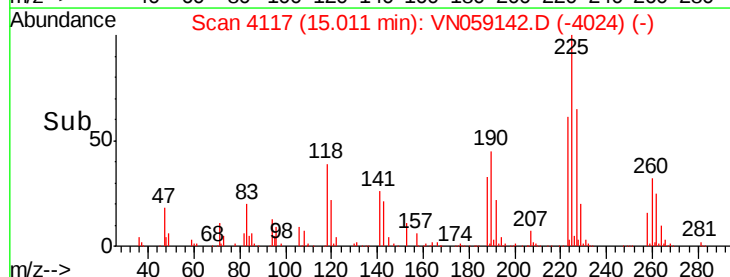


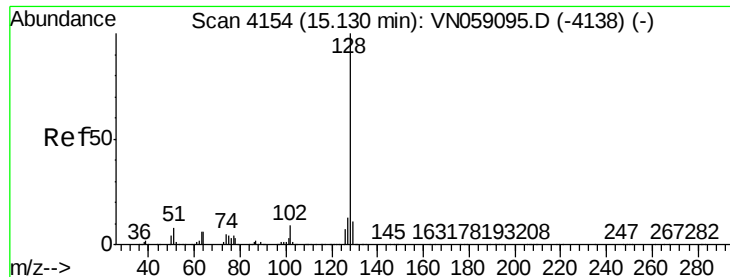
Abundance

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: 59.585 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

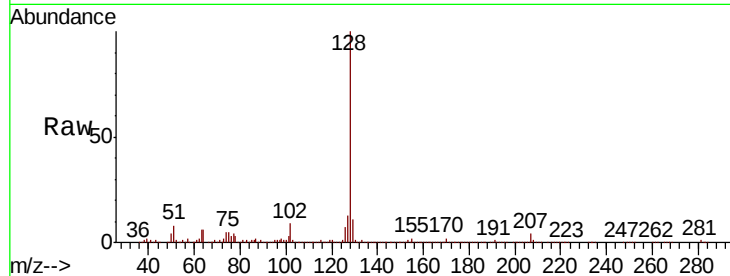
Tot Ion:128 Resp: 1172443

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

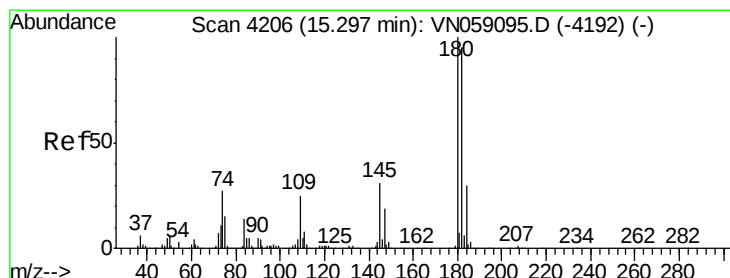
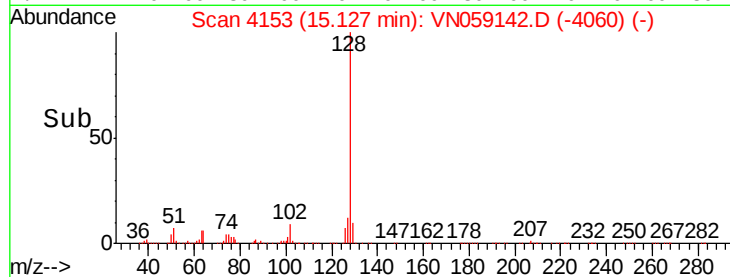
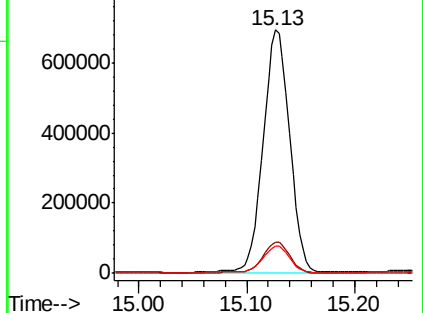
129 11.3 8.6 12.8



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: 55.407 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059142.D

Acq: 8 Nov 2019 18:27

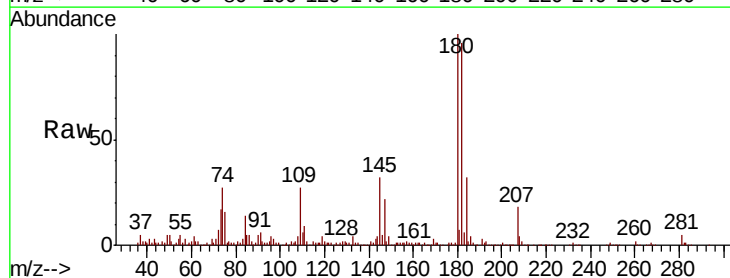
Tgt Ion:180 Resp: 359233

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.8

145 33.6 15.8 47.3



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

