

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011420\
 Data File : VN059707.D
 Acq On : 14 Jan 2020 16:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 14 22:17:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	296124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133785	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	102498	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.56	113	89274	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.08	98	339223	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	123186	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	114461	50.432	ug/l	97
3) Chloromethane	2.04	50	107931	48.968	ug/l	97
4) Vinyl Chloride	2.17	62	130957	51.928	ug/l	98
5) Bromomethane	2.54	94	80412	52.248	ug/l	99
6) Chloroethane	2.68	64	60409	50.631	ug/l	98
7) Trichlorofluoromethane	3.00	101	155542	51.357	ug/l	98
8) Diethyl Ether	3.38	74	53752	50.572	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88971	52.782	ug/l	92
10) Methyl Iodide	3.93	142	136006	49.917	ug/l	94
11) Tert butyl alcohol	4.72	59	77404	215.059	ug/l	100
12) 1,1-Dichloroethene	3.71	96	87954	49.935	ug/l	89
13) Acrolein	3.57	56	49660	194.913	ug/l	96
14) Allyl chloride	4.29	41	119687	50.413	ug/l #	86
15) Acrylonitrile	4.94	53	193798	236.049	ug/l	100
16) Acetone	3.78	43	167559	228.938	ug/l	95
17) Carbon Disulfide	4.03	76	247064	49.240	ug/l	99
18) Methyl Acetate	4.28	43	115102	46.090	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	286595	49.905	ug/l	95
20) Methylene Chloride	4.52	84	95775	49.501	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	93504	49.941	ug/l	87
22) Diisopropyl ether	5.91	45	267828	49.780	ug/l #	96
23) Vinyl Acetate	5.85	43	1055211	253.318	ug/l #	95
24) 1,1-Dichloroethane	5.81	63	164300	49.978	ug/l	97
25) 2-Butanone	6.79	43	258488	213.497	ug/l	91
26) 2,2-Dichloropropane	6.79	77	154830	48.990	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	108519	50.392	ug/l	89
28) Bromochloromethane	7.16	49	62554	47.608	ug/l #	73
29) Tetrahydrofuran	7.17	42	167451	223.535	ug/l	89
30) Chloroform	7.34	83	173721	51.002	ug/l	100
31) Cyclohexane	7.63	56	149730	47.333	ug/l	88
32) 1,1,1-Trichloroethane	7.54	97	158780	50.416	ug/l	95
36) 1,1-Dichloropropene	7.77	75	130620	50.652	ug/l	95
37) Ethyl Acetate	6.89	43	111463	46.085	ug/l	97
38) Carbon Tetrachloride	7.75	117	144485	51.507	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	162277	51.036	ug/l	92
40) Benzene	8.02	78	385681	50.149	ug/l	100
41) Methacrylonitrile	7.17	41	156603	131.453	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	130462	50.032	ug/l	96
43) Isopropyl Acetate	8.14	43	193760	46.575	ug/l #	94
44) Trichloroethene	8.81	130	110512	52.637	ug/l	93
45) 1,2-Dichloropropane	9.10	63	97969	51.479	ug/l	99
46) Dibromomethane	9.19	93	68881	51.310	ug/l	90
47) Bromodichloromethane	9.38	83	140324	51.871	ug/l	99
48) Methyl methacrylate	9.18	41	88413	47.513	ug/l	90
49) 1,4-Dioxane	9.18	88	32604	957.106	ug/l #	90
51) 4-Methyl-2-Pentanone	9.97	43	546269	227.151	ug/l	95
52) Toluene	10.14	92	249250	51.309	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	156951	51.959	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	168384	52.979	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	95754	49.768	ug/l	97
56) Ethyl methacrylate	10.42	69	147152	50.054	ug/l	91
57) 1,3-Dichloropropane	10.70	76	158351	51.841	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	249714	282.004	ug/l	92
59) 2-Hexanone	10.74	43	399807	225.666	ug/l	94
60) Dibromochloromethane	10.89	129	113646	51.870	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103536	51.343	ug/l	99
64) Tetrachloroethene	10.62	164	96573	43.810	ug/l	95
65) Chlorobenzene	11.43	112	273588	51.463	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	105208	51.217	ug/l	99
67) Ethyl Benzene	11.50	91	490538	50.830	ug/l	97
68) m/p-Xylenes	11.61	106	376359	103.242	ug/l	94
69) o-Xylene	11.94	106	181096	50.743	ug/l	94
70) Styrene	11.96	104	308360	51.635	ug/l	97
71) Bromoform	12.12	173	85748	52.114	ug/l #	99
73) Isopropylbenzene	12.25	105	489238	49.863	ug/l	99
74) N-amyl acetate	12.06	43	176893	46.462	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	135415	47.607	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	178633	79.341	ug/l #	100
77) Bromobenzene	12.52	156	124214	49.991	ug/l	81
78) n-propylbenzene	12.59	91	558618	50.725	ug/l	97
79) 2-Chlorotoluene	12.67	91	322696	49.256	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	412815	50.028	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	49658	47.365	ug/l	92
82) 4-Chlorotoluene	12.77	91	333468	50.747	ug/l	96
83) tert-Butylbenzene	12.99	119	355852	49.862	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	413045	50.597	ug/l	99
85) sec-Butylbenzene	13.17	105	478973	51.082	ug/l	99
86) p-Isopropyltoluene	13.28	119	439606	50.669	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	223421	51.765	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	219722	51.030	ug/l	97
89) n-Butylbenzene	13.61	91	386937	52.306	ug/l	98
90) Hexachloroethane	13.87	117	81726	50.346	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	216370	50.709	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28241	46.094	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137074	53.463	ug/l	99
94) Hexachlorobutadiene	15.01	225	71157	50.363	ug/l	99
95) Naphthalene	15.13	128	363353	49.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128312	51.415	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

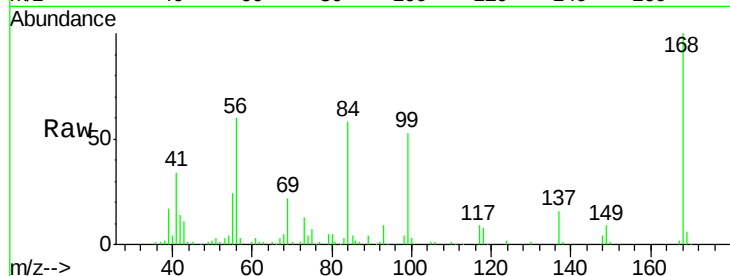
VSTDCCC050EC

Tgt Ion:168 Resp: 192521

Ion Ratio Lower Upper

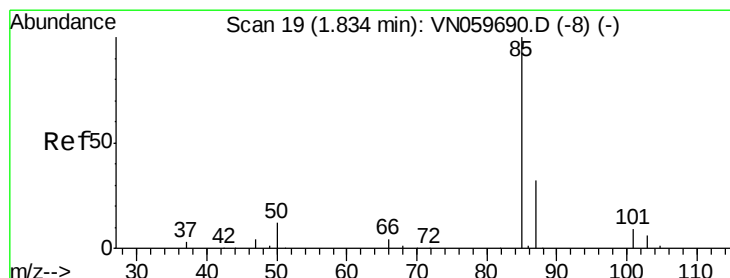
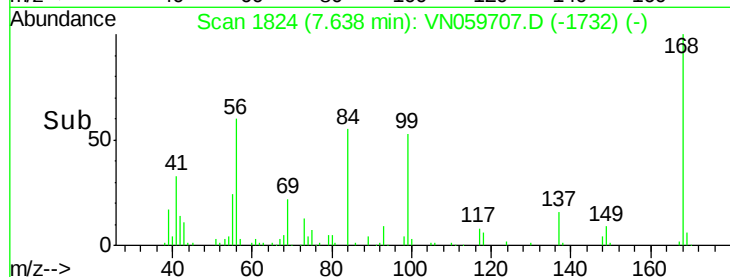
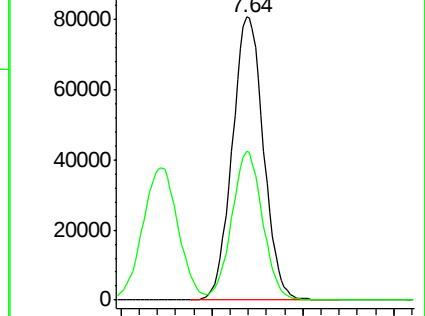
168 100

99 52.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.432 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059707.D

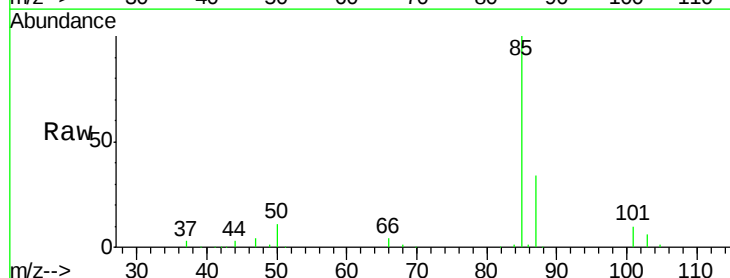
Acq: 14 Jan 2020 16:15

Tgt Ion: 85 Resp: 114461

Ion Ratio Lower Upper

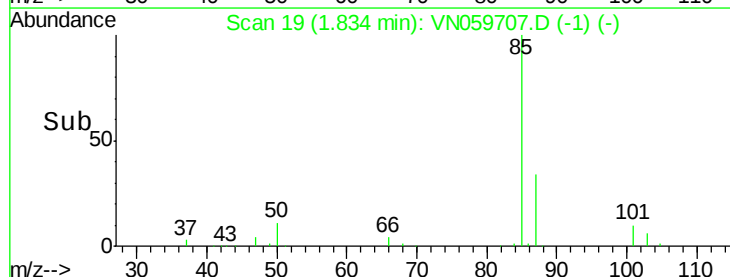
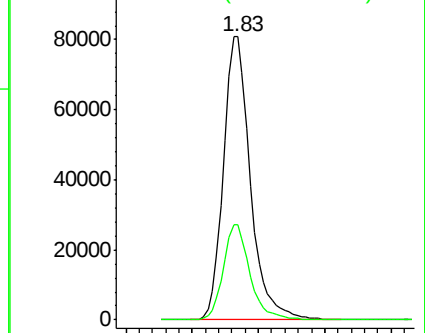
85 100

87 33.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

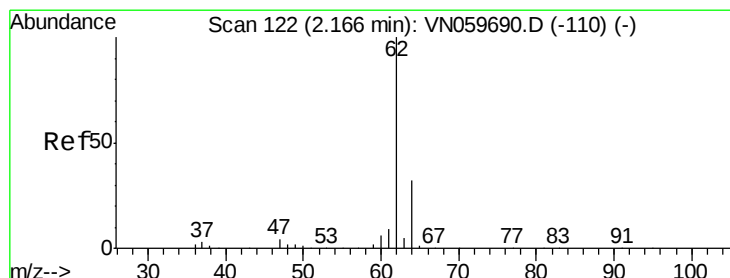
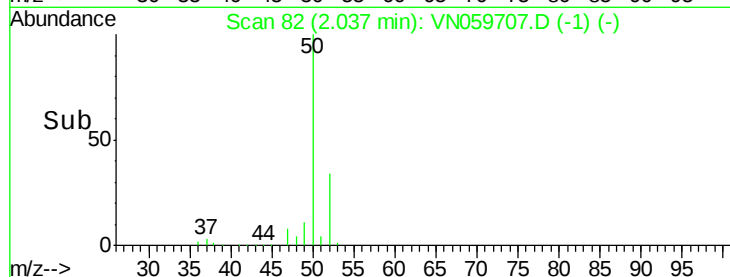
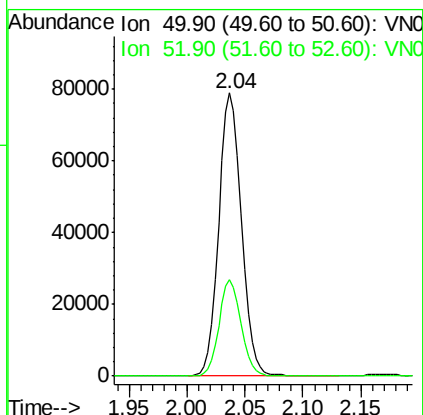
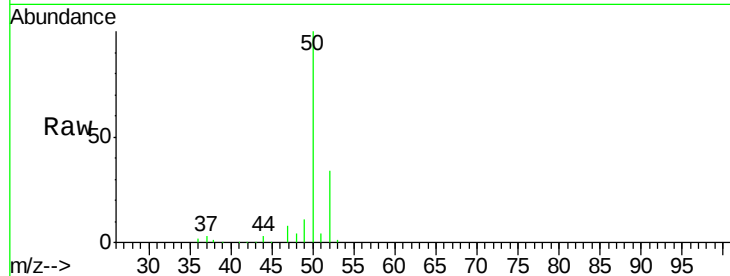




#3
Chloromethane
Concen: 48.968 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

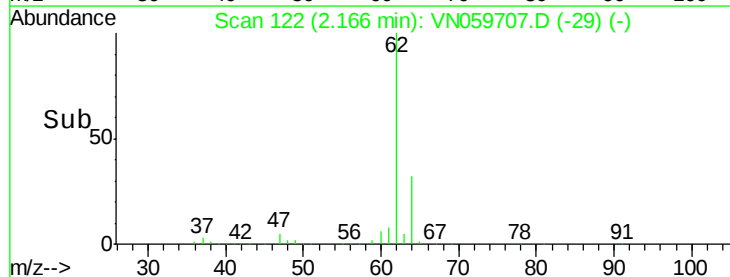
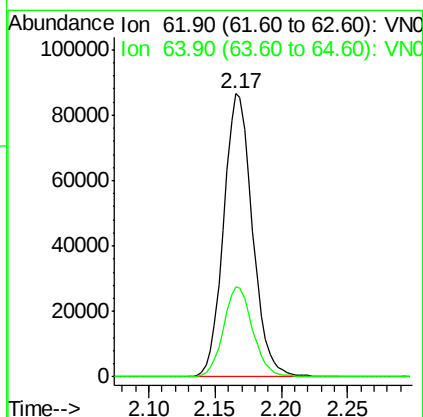
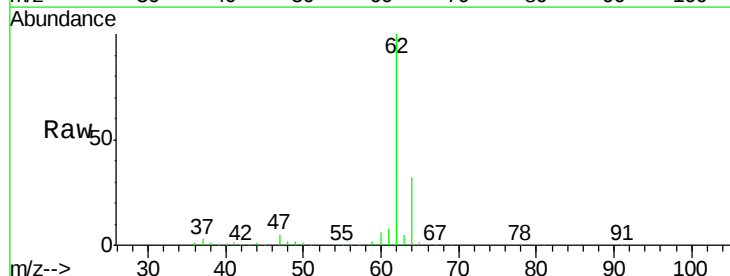
Instrument :
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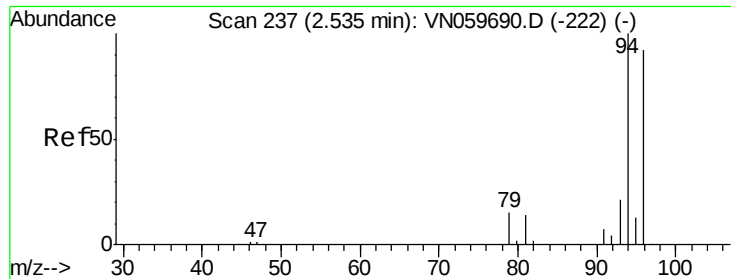
Tgt Ion: 50 Resp: 107931
Ion Ratio Lower Upper
50 100
52 33.9 25.9 38.9



#4
Vinyl Chloride
Concen: 51.928 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 62 Resp: 130957
Ion Ratio Lower Upper
62 100
64 32.0 24.6 37.0

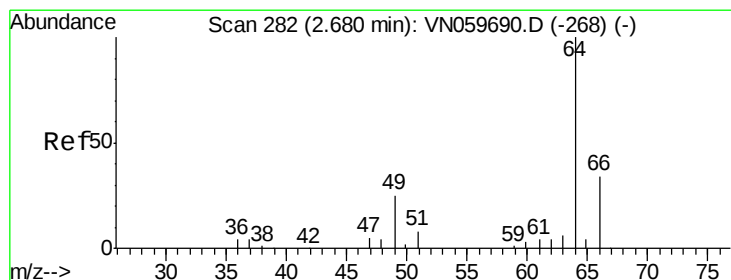
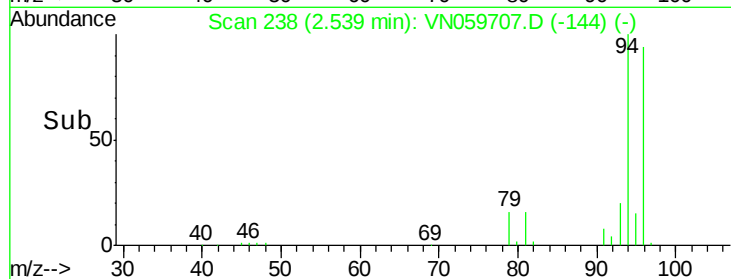
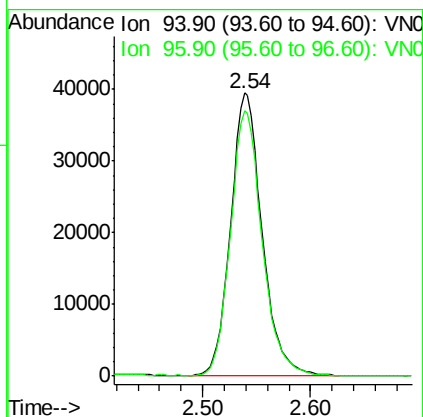
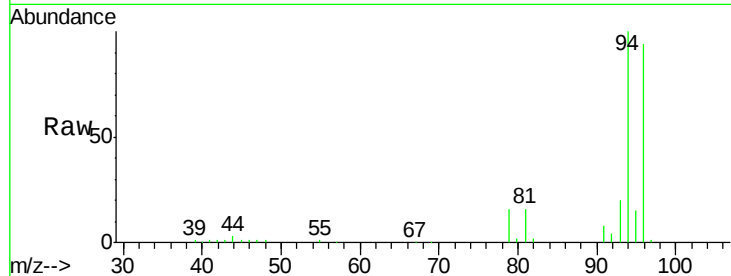




#5
Bromomethane
Concen: 52.248 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

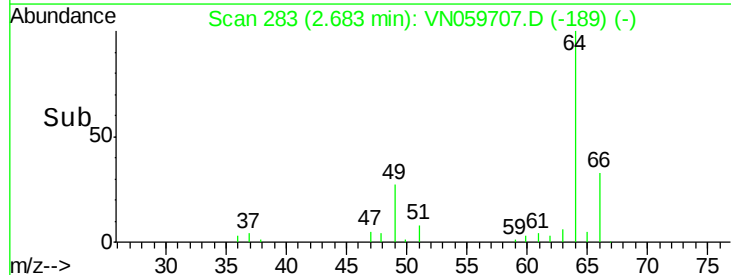
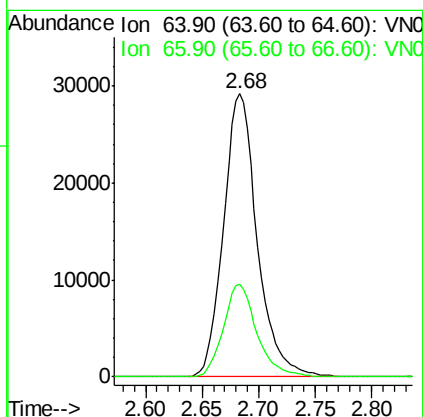
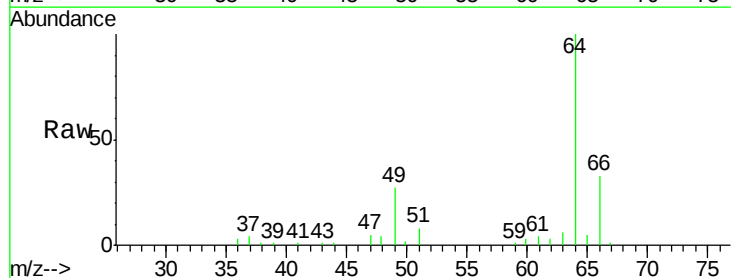
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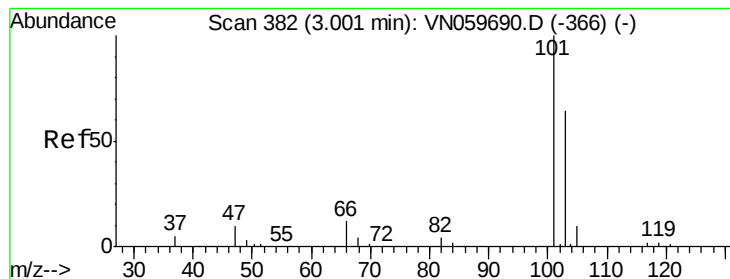
Tgt Ion: 94 Resp: 80412
Ion Ratio Lower Upper
94 100
96 93.9 74.7 112.1



#6
Chloroethane
Concen: 50.631 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 64 Resp: 60409
Ion Ratio Lower Upper
64 100
66 32.5 25.1 37.7



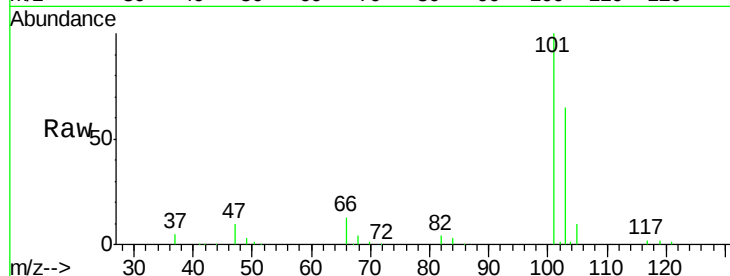


#7

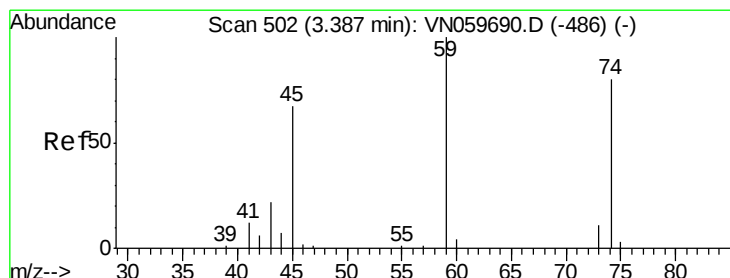
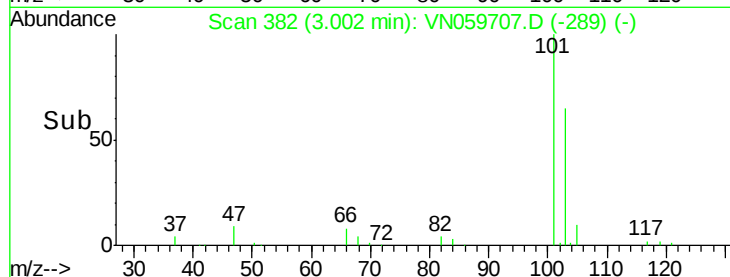
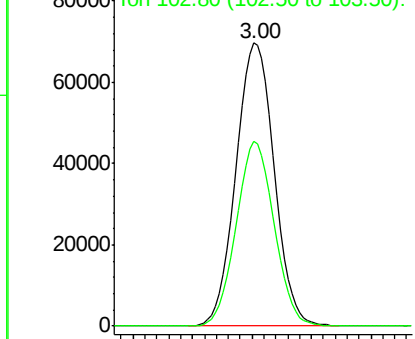
Trichlorofluoromethane
 Concen: 51.357 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
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Tgt Ion: 101 Resp: 155542
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.0 76.6



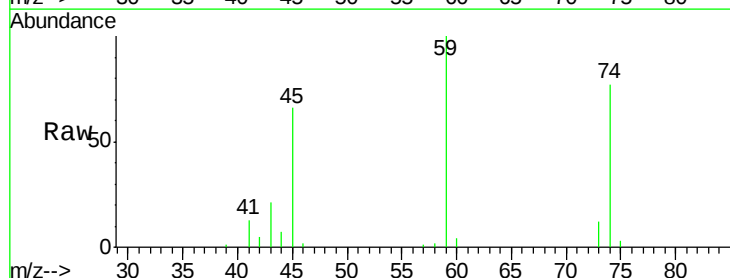
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



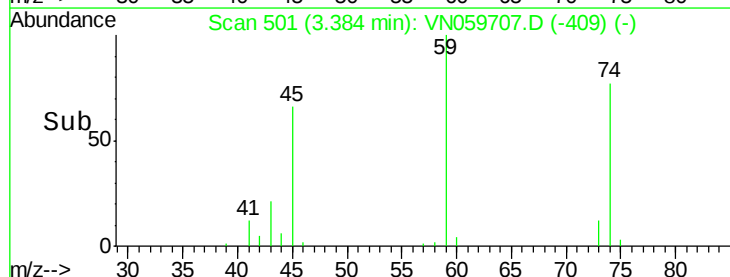
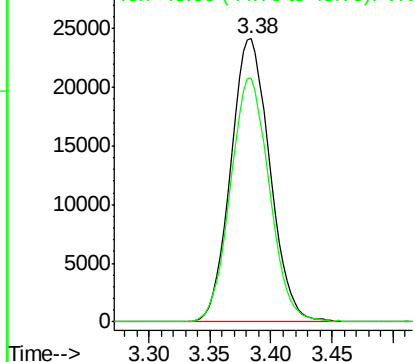
#8

Diethyl Ether
 Concen: 50.572 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 74 Resp: 53752
 Ion Ratio Lower Upper
 74 100
 45 85.7 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.782 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

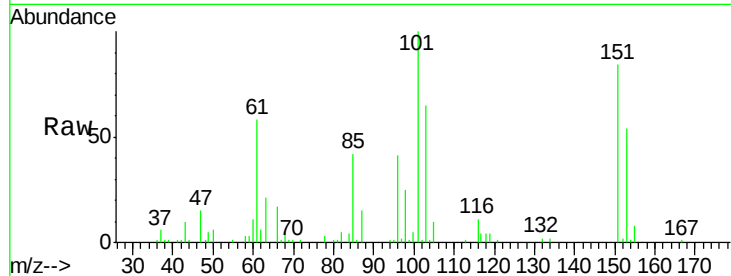
Tgt Ion:101 Resp: 88971

Ion Ratio Lower Upper

101 100

85 43.3 36.6 54.8

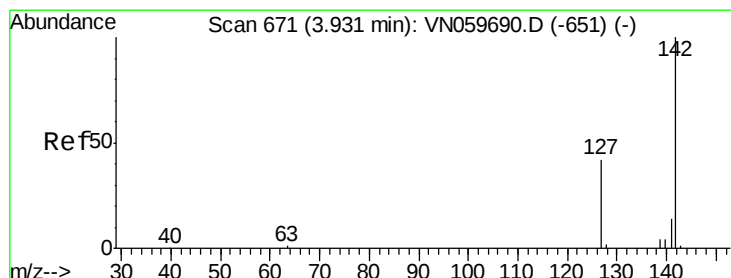
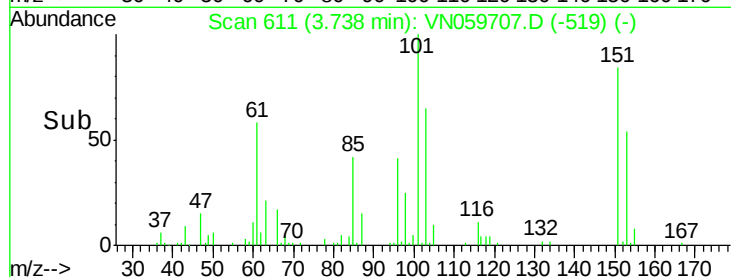
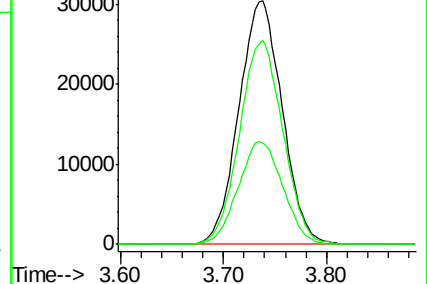
151 83.9 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.917 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

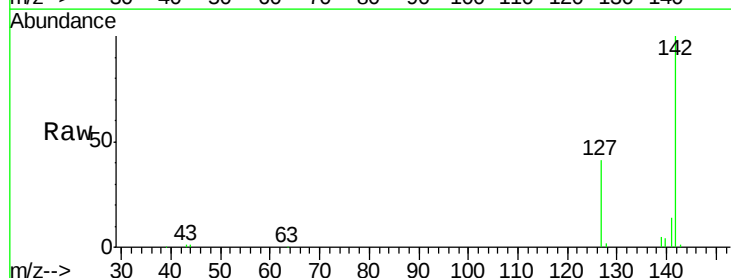
Tgt Ion:142 Resp: 136006

Ion Ratio Lower Upper

142 100

127 41.2 36.7 55.1

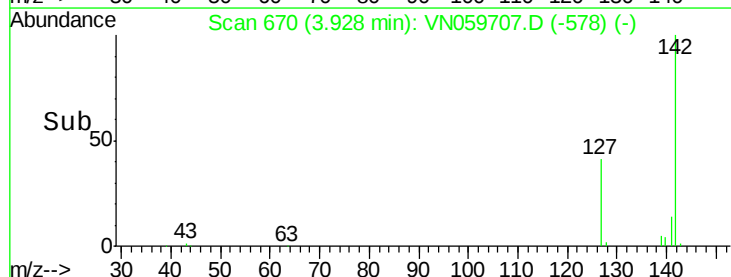
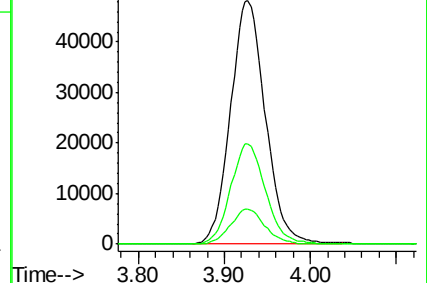
141 14.1 11.7 17.5



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

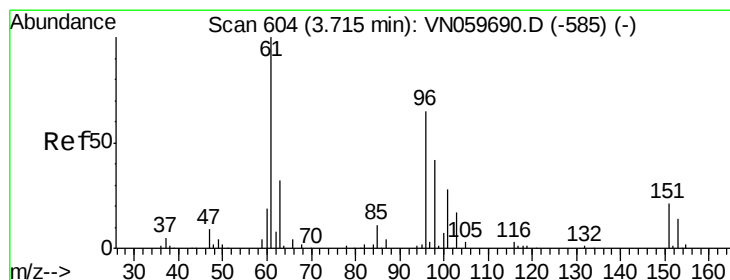
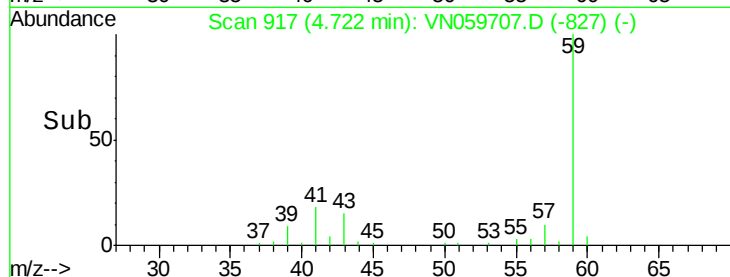
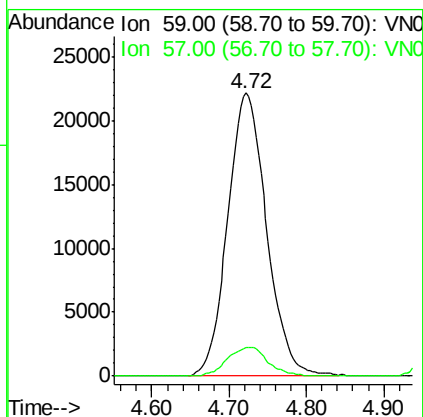
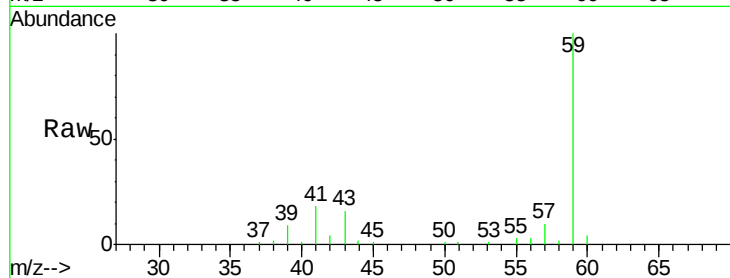




#11
Tert butyl alcohol
Concen: 215.059 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

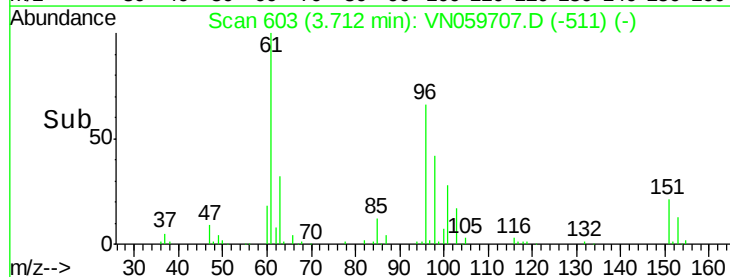
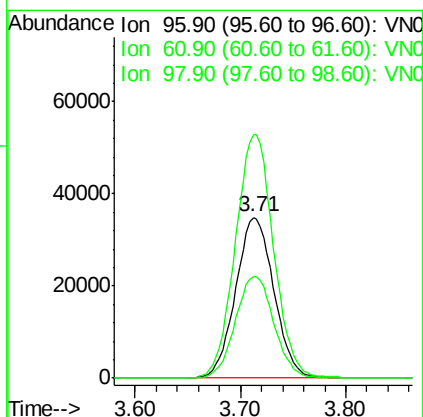
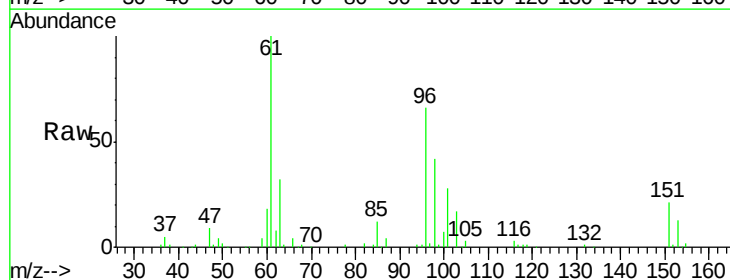
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 77404
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8



#12
1,1-Dichloroethene
Concen: 49.935 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 96 Resp: 87954
Ion Ratio Lower Upper
96 100
61 151.4 137.5 206.3
98 63.1 50.2 75.4





#13

Acrolein

Concen: 194.913 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

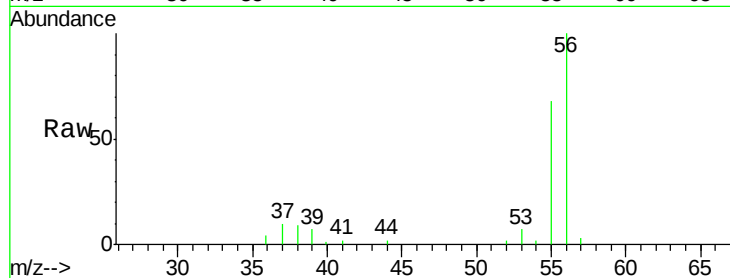
VSTDCCC050EC

Tgt Ion: 56 Resp: 49660

Ion Ratio Lower Upper

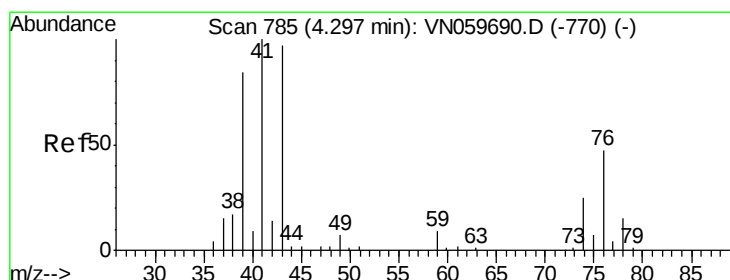
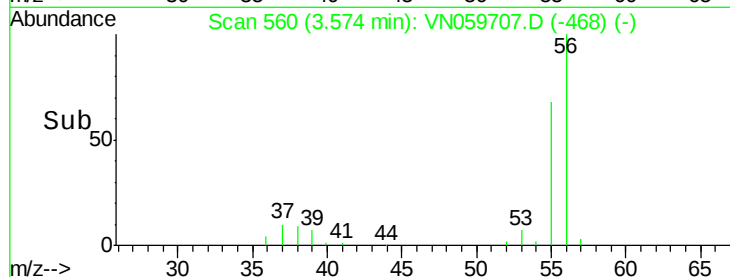
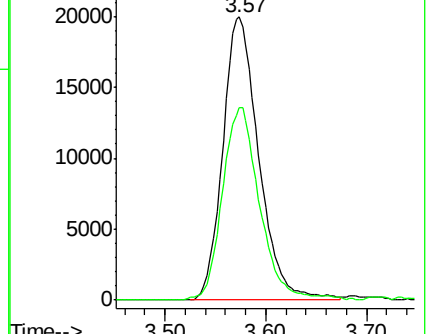
56 100

55 70.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN059690.D (-545) (-)

Ion 55.00 (54.70 to 55.70): VN059690.D (-545) (-)



#14

Allyl chloride

Concen: 50.413 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

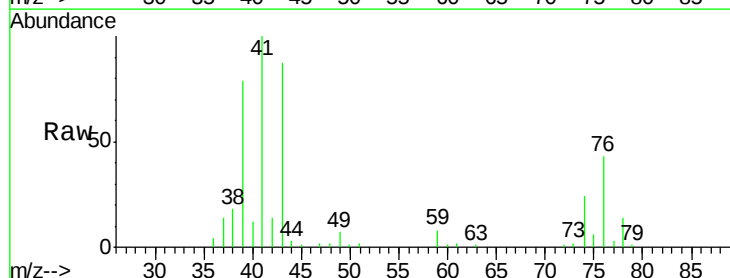
Tgt Ion: 41 Resp: 119687

Ion Ratio Lower Upper

41 100

39 81.4 57.8 86.8

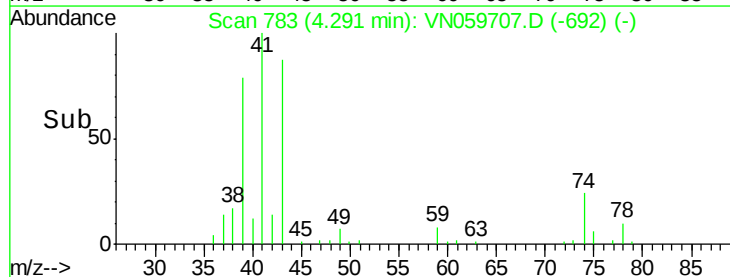
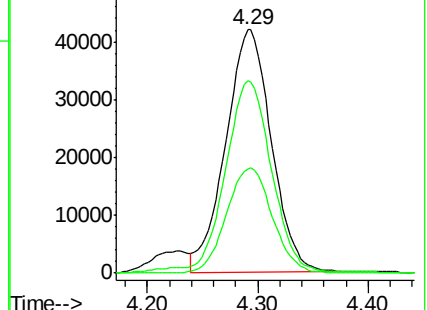
76 43.7 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN059690.D (-770) (-)

Ion 39.00 (38.70 to 39.70): VN059690.D (-770) (-)

Ion 75.90 (75.60 to 76.60): VN059690.D (-770) (-)





#15

Acrylonitrile

Concen: 236.049 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

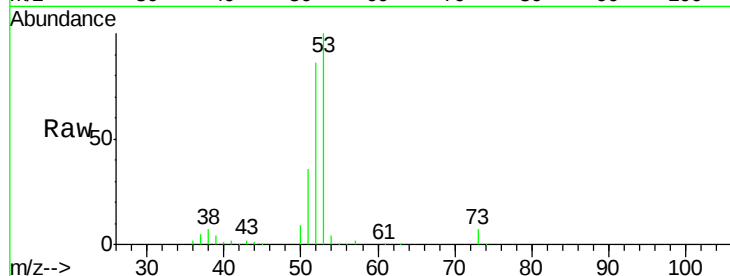
Tgt Ion: 53 Resp: 193798

Ion Ratio Lower Upper

53 100

52 83.0 66.3 99.5

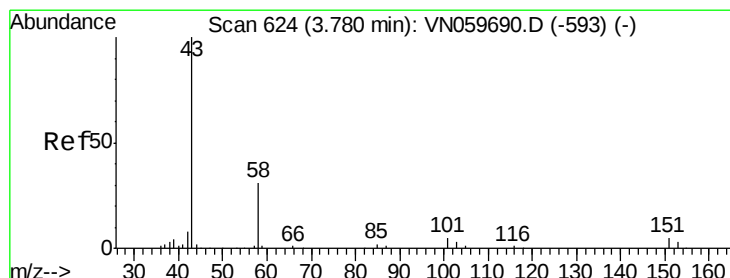
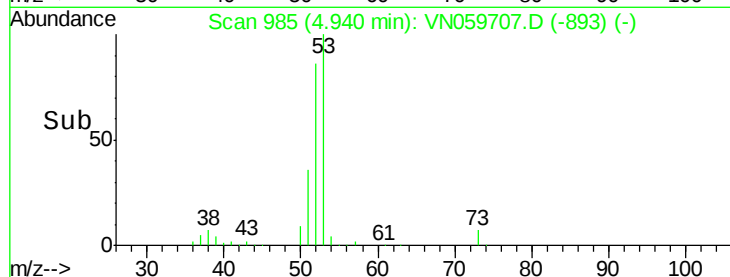
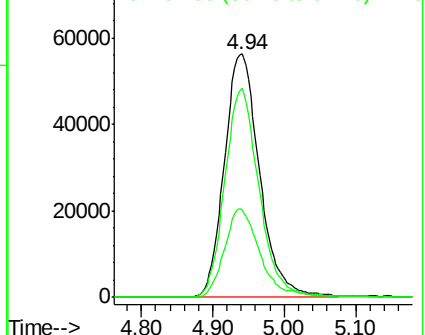
51 36.7 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059707.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN059707.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN059707.D (-893) (-)



#16

Acetone

Concen: 228.938 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN059707.D

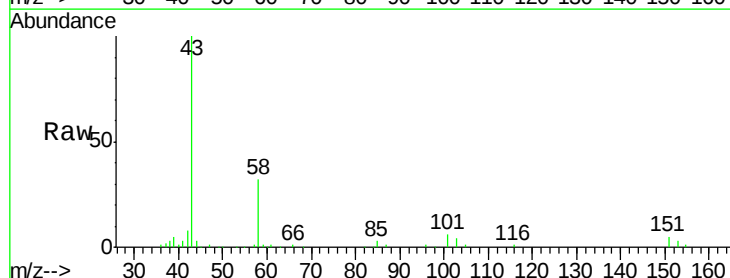
Acq: 14 Jan 2020 16:15

Tgt Ion: 43 Resp: 167559

Ion Ratio Lower Upper

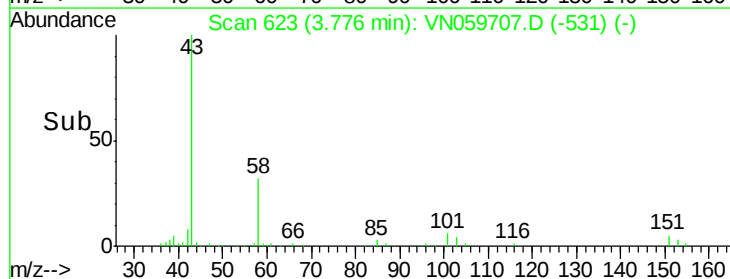
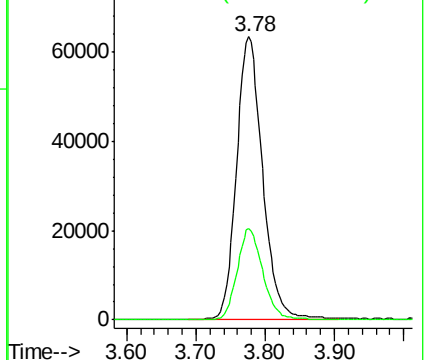
43 100

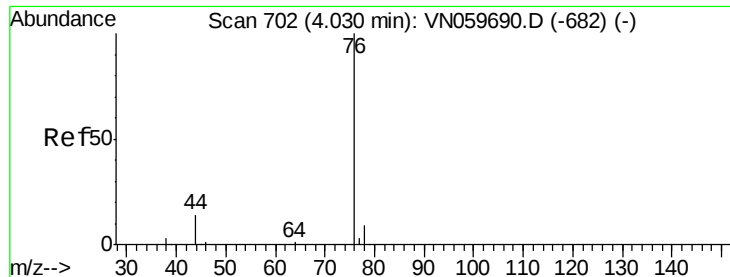
58 32.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059707.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN059707.D (-531) (-)

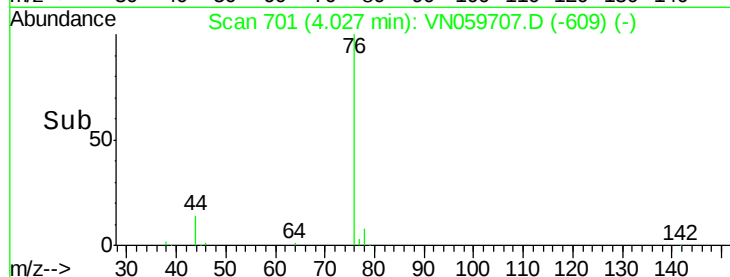
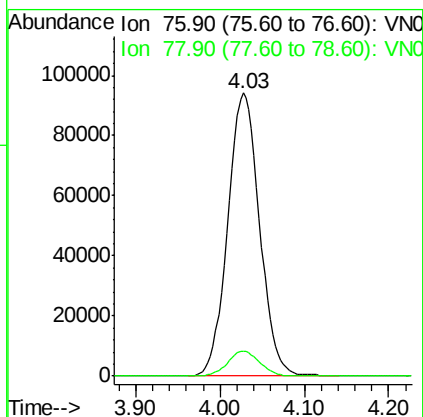
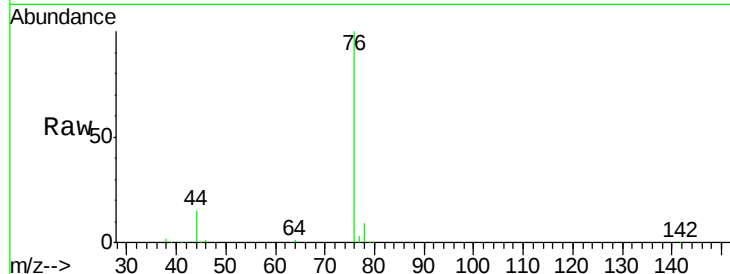




#17
Carbon Disulfide
Concen: 49.240 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

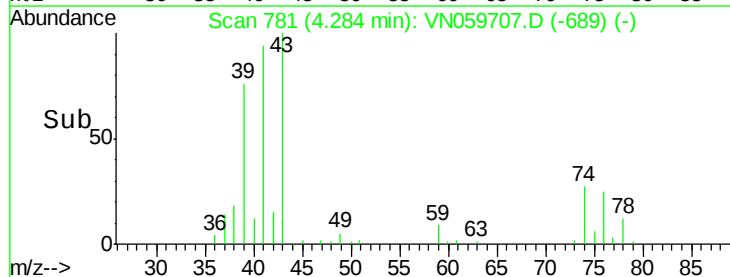
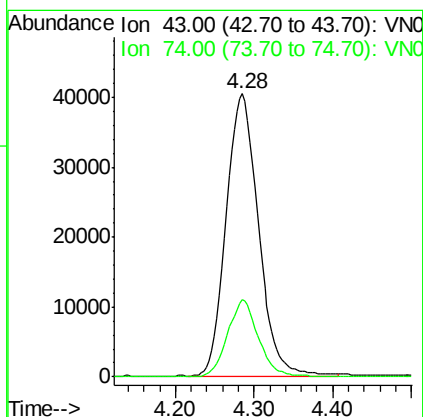
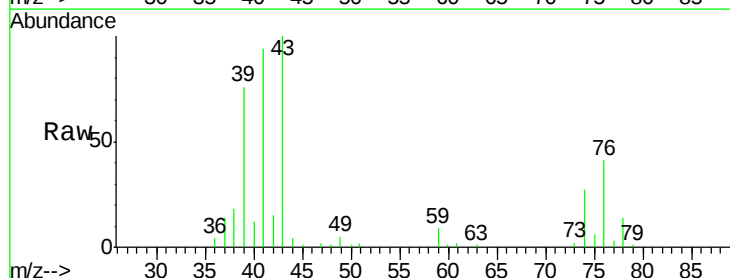
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 247064
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 46.090 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 43 Resp: 115102
Ion Ratio Lower Upper
43 100
74 26.0 17.5 26.3

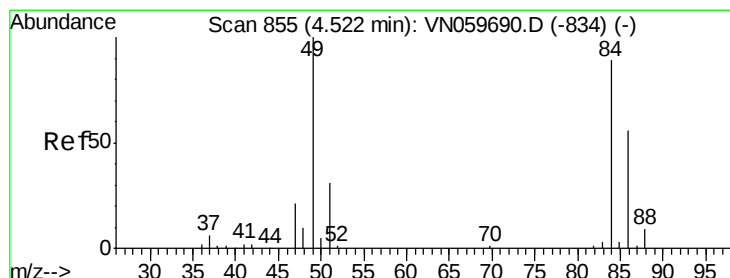
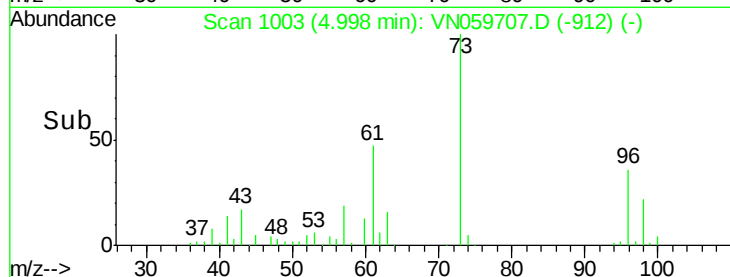
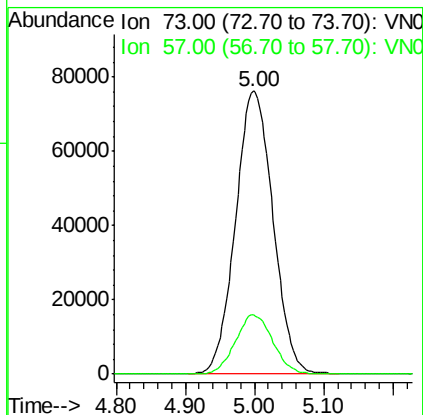
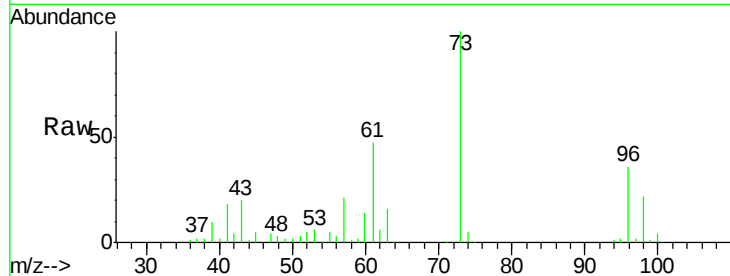




#19
Methyl tert-butyl Ether
Concen: 49.905 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

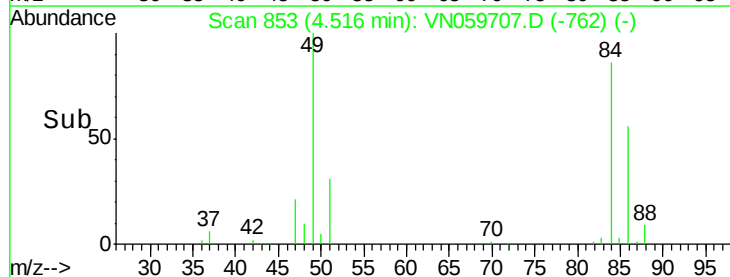
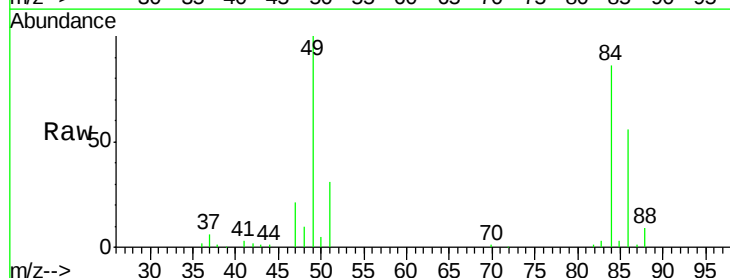
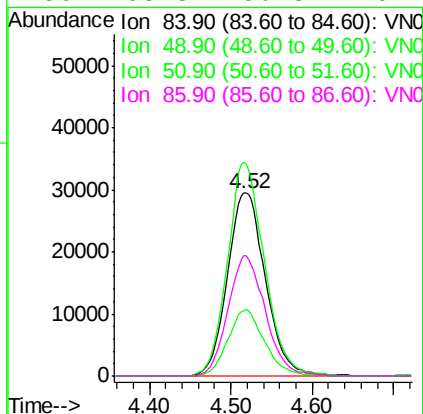
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

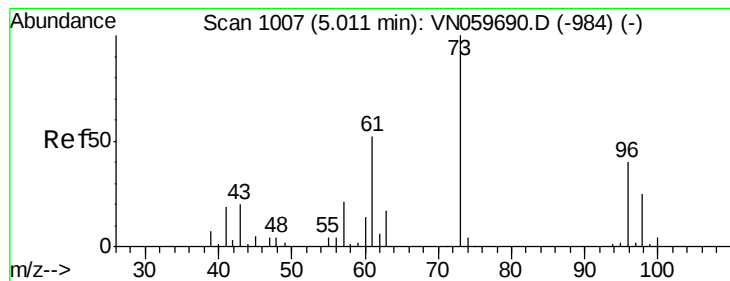
Tgt Ion: 73 Resp: 286595
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8



#20
Methylene Chloride
Concen: 49.501 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 84 Resp: 95775
Ion Ratio Lower Upper
84 100
49 116.9 106.6 160.0
51 35.9 31.9 47.9
86 65.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.941 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

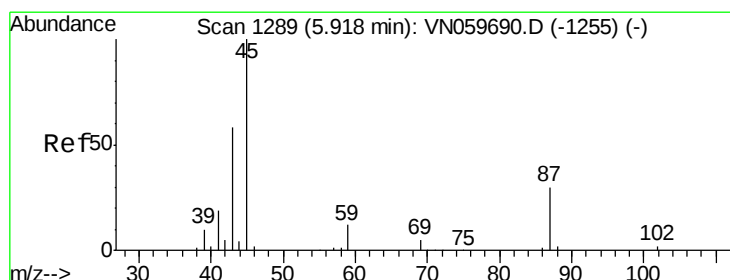
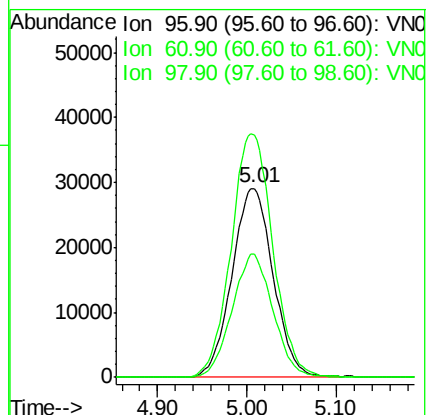
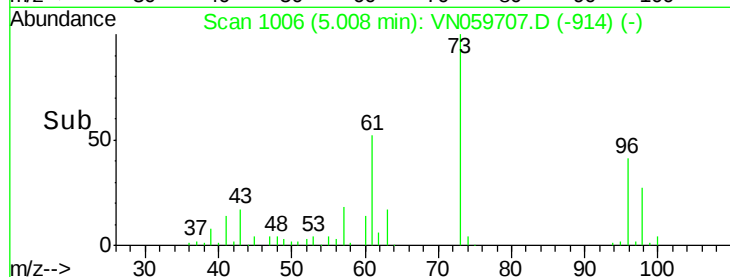
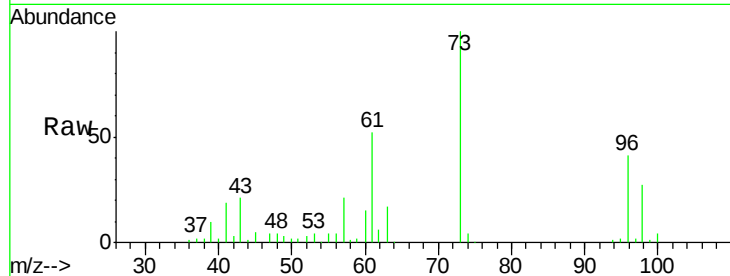
Tgt Ion: 96 Resp: 93504

Ion Ratio Lower Upper

96 100

61 128.2 120.4 180.6

98 65.2 50.6 75.8



#22

Diisopropyl ether

Concen: 49.780 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion: 45 Resp: 267828

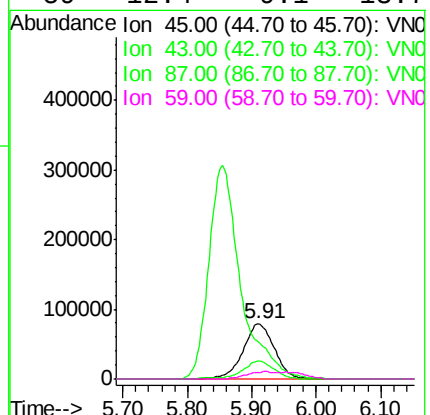
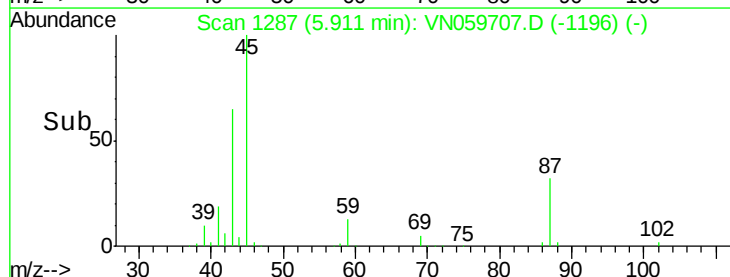
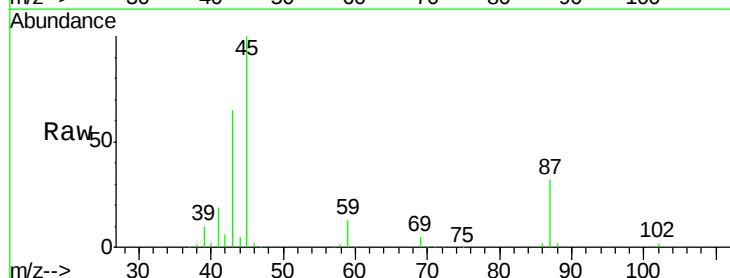
Ion Ratio Lower Upper

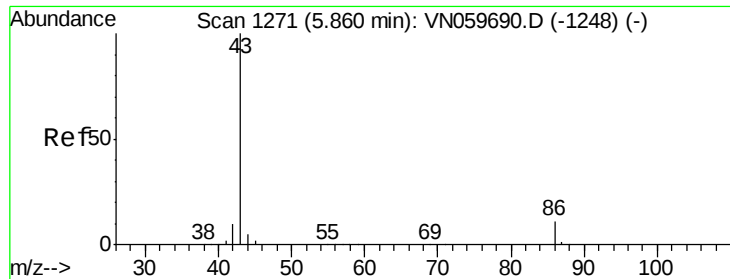
45 100

43 64.0 50.8 76.2

87 32.3 21.0 31.6#

59 12.4 9.1 13.7





#23

Vinyl Acetate

Concen: 253.318 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

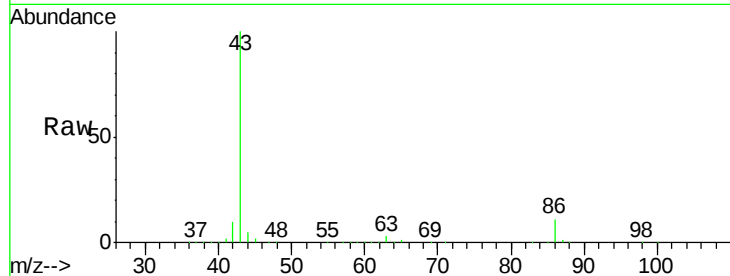
VSTDCCC050EC

Tgt Ion: 43 Resp: 1055211

Ion Ratio Lower Upper

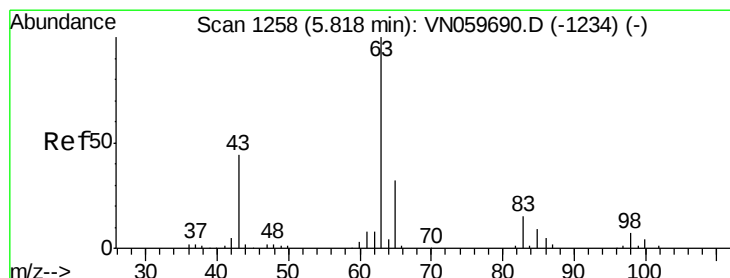
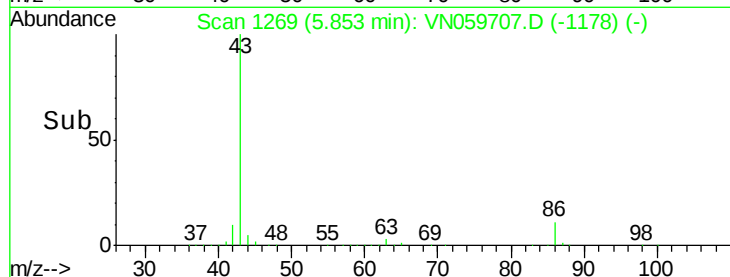
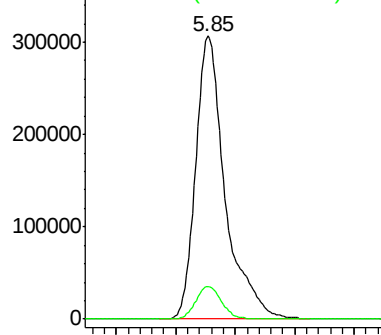
43 100

86 11.4 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.978 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

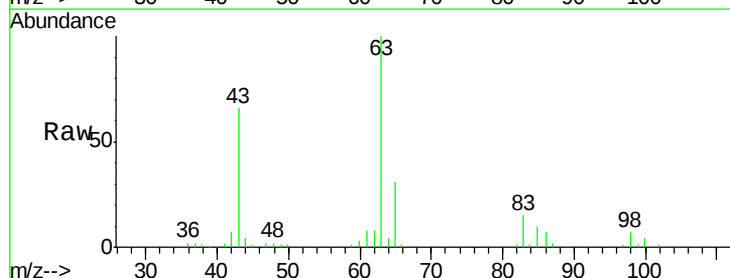
Tgt Ion: 63 Resp: 164300

Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.7

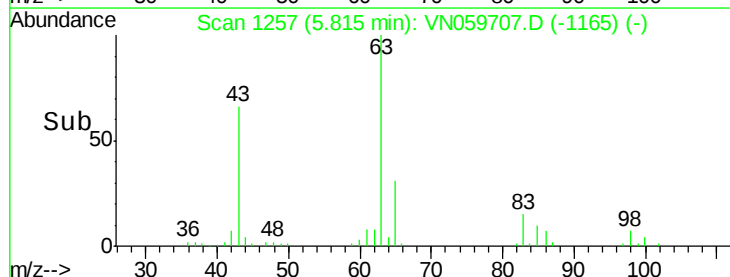
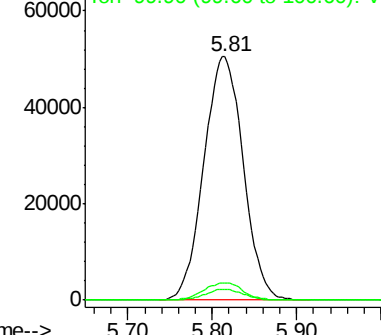
100 4.3 2.0 6.0

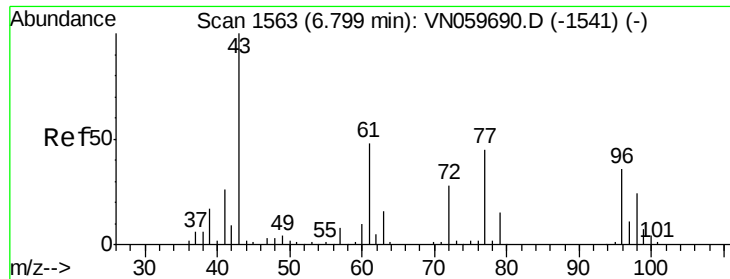


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 213.497 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

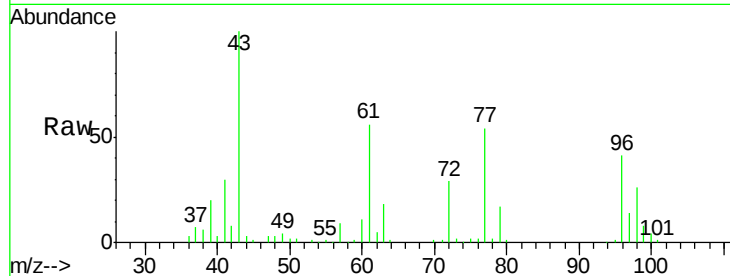
VSTDCCC050EC

Tgt Ion: 43 Resp: 258488

Ion Ratio Lower Upper

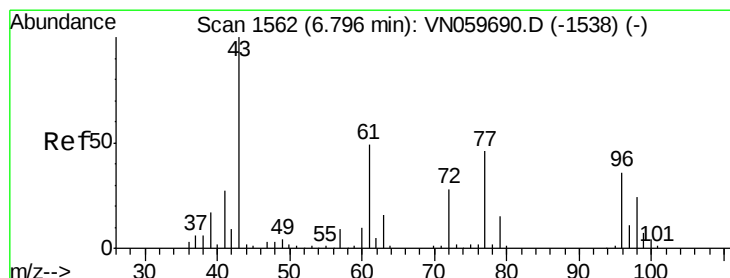
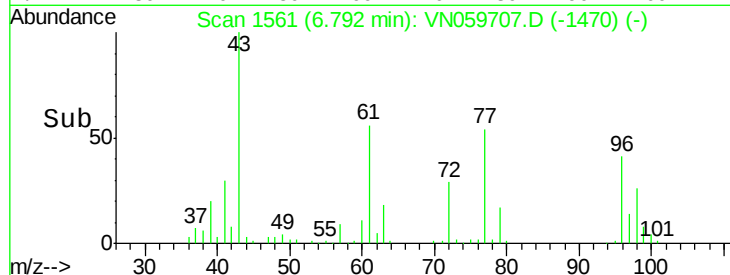
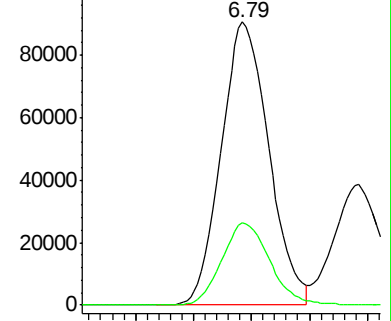
43 100

72 29.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 48.990 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059707.D

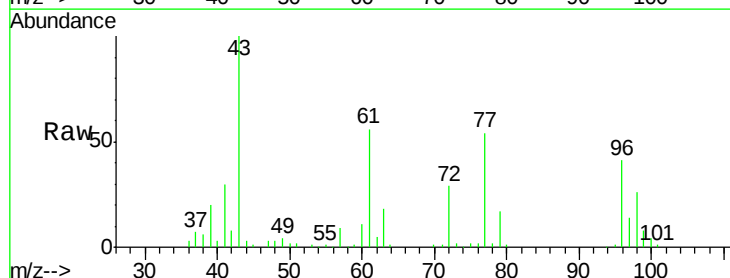
Acq: 14 Jan 2020 16:15

Tgt Ion: 77 Resp: 154830

Ion Ratio Lower Upper

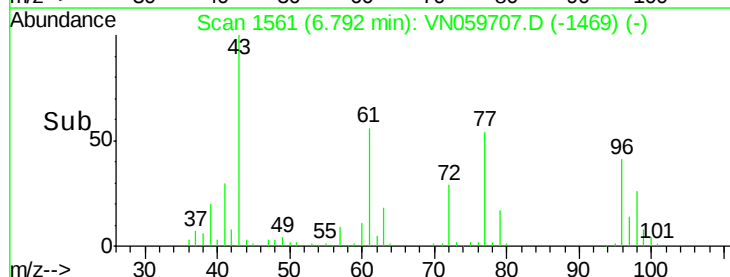
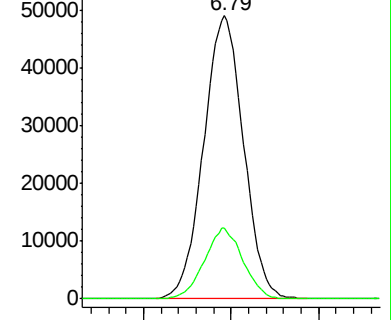
77 100

97 24.1 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.392 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

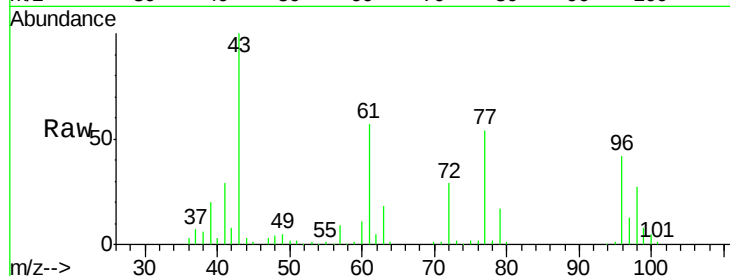
Tgt Ion: 96 Resp: 108519

Ion Ratio Lower Upper

96 100

61 139.0 0.0 317.6

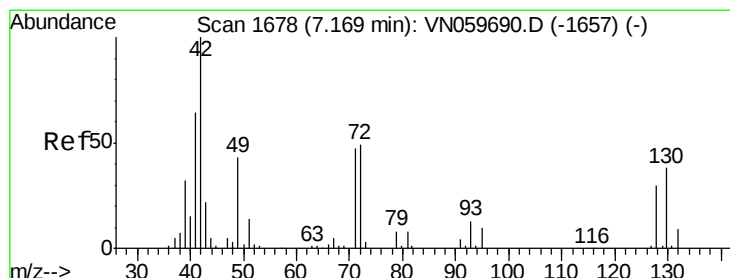
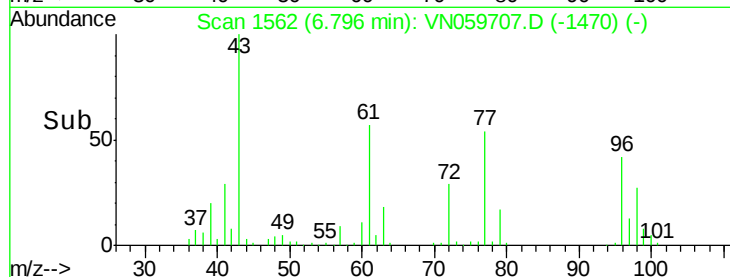
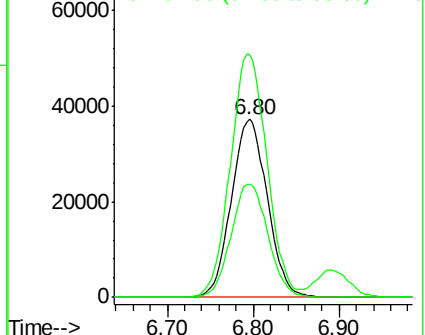
98 65.0 0.0 127.0



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: 47.608 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

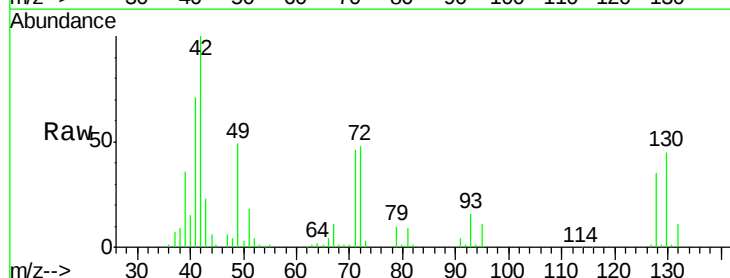
Tgt Ion: 49 Resp: 62554

Ion Ratio Lower Upper

49 100

129 2.4 0.0 3.4

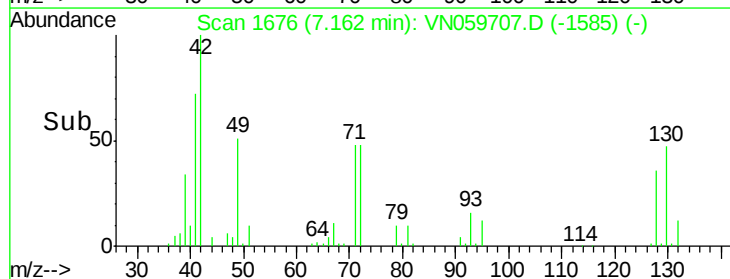
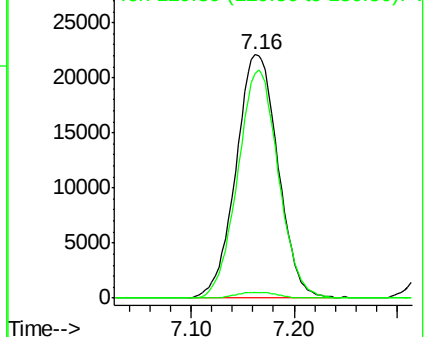
130 90.7 54.7 82.1#

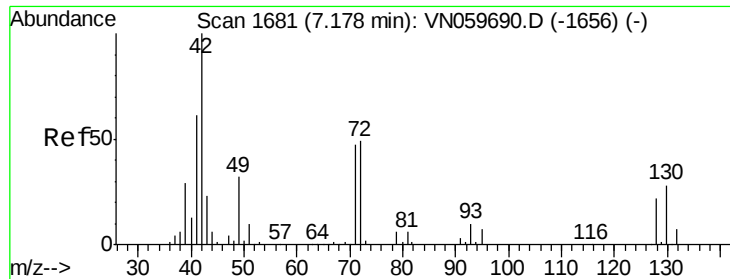


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 223.535 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

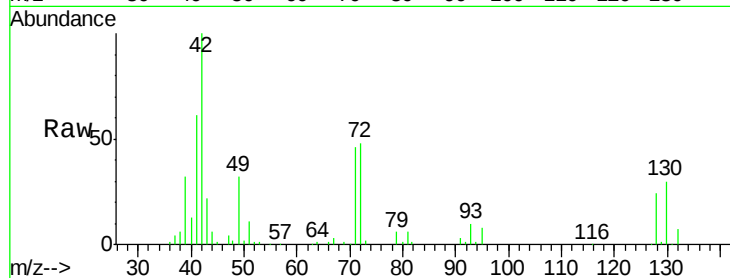
Tgt Ion: 42 Resp: 167451

Ion Ratio Lower Upper

42 100

72 48.3 33.1 49.7

71 46.0 31.4 47.0



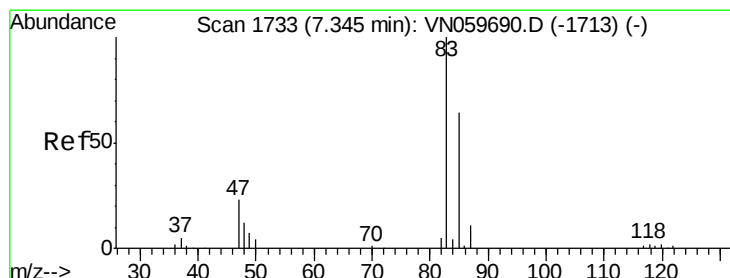
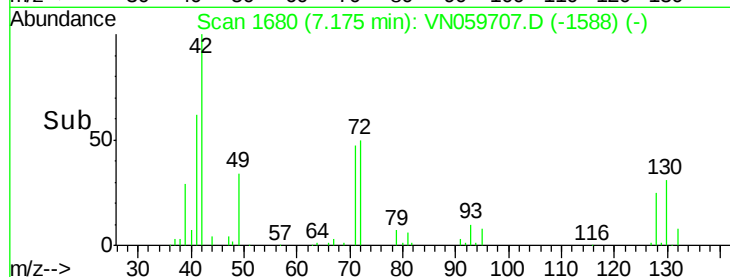
Abundance Ion 42.00 (41.70 to 42.70): VN059707.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN059707.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN059707.D (-1656) (-)

7.17

Time-->



#30

Chloroform

Concen: 51.002 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN059707.D

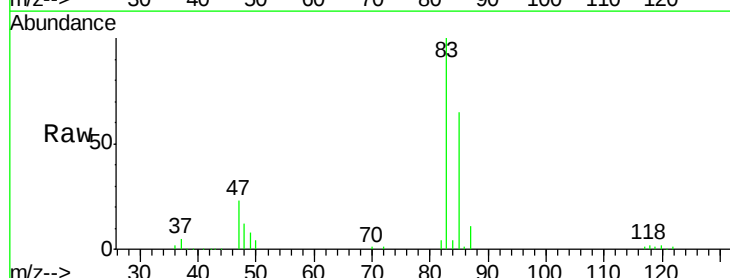
Acq: 14 Jan 2020 16:15

Tgt Ion: 83 Resp: 173721

Ion Ratio Lower Upper

83 100

85 65.1 52.4 78.6

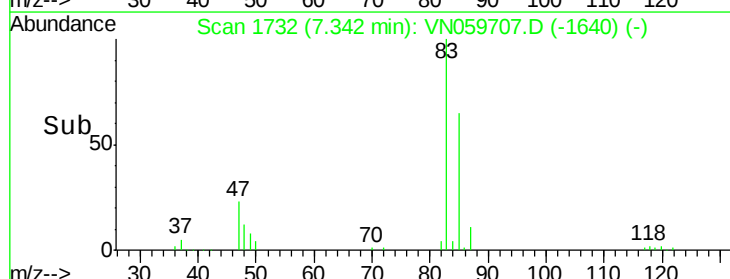


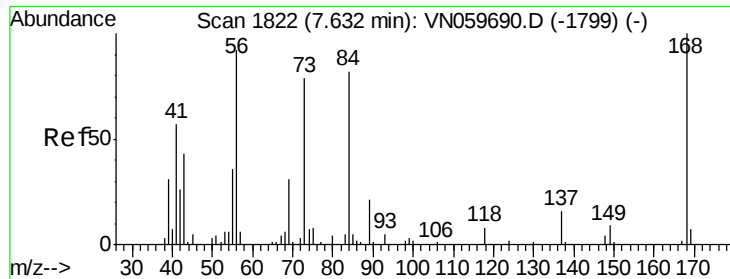
Abundance Ion 82.90 (82.60 to 83.60): VN059707.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN059707.D (-1640) (-)

7.34

Time-->

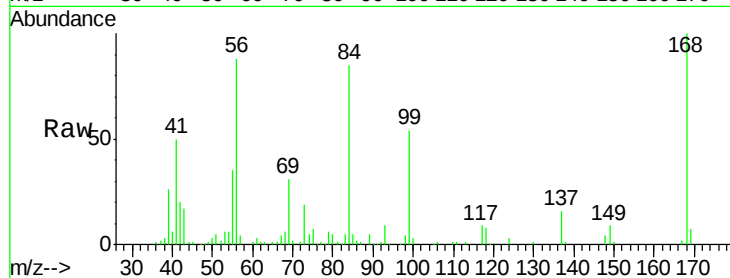




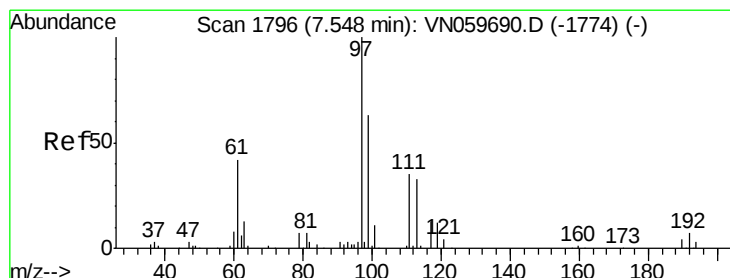
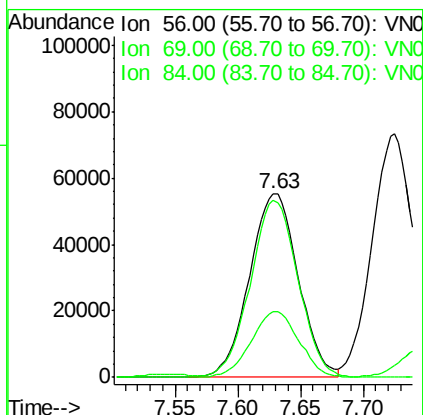
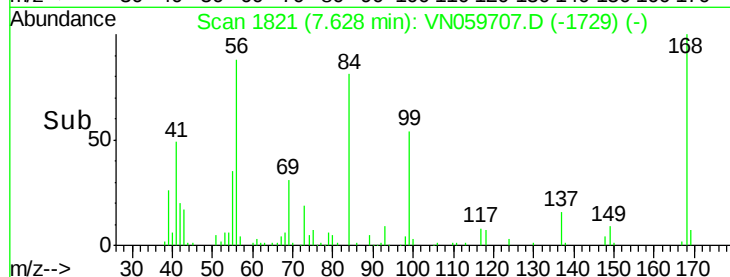
#31
Cyclohexane
Concen: 47.333 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 149730
Ion Ratio Lower Upper
56 100
69 35.6 26.5 39.7
84 95.1 65.3 97.9

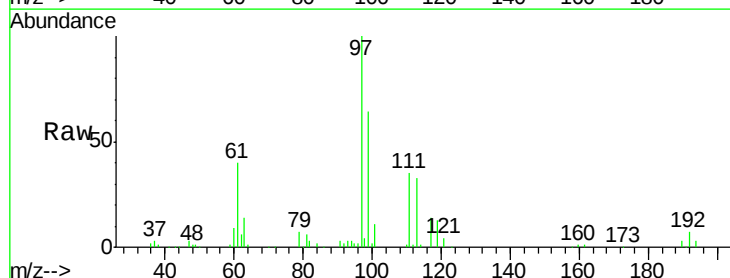


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

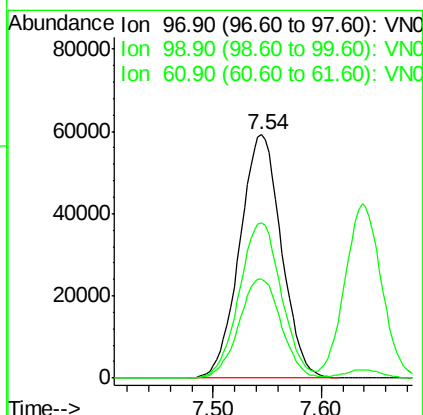
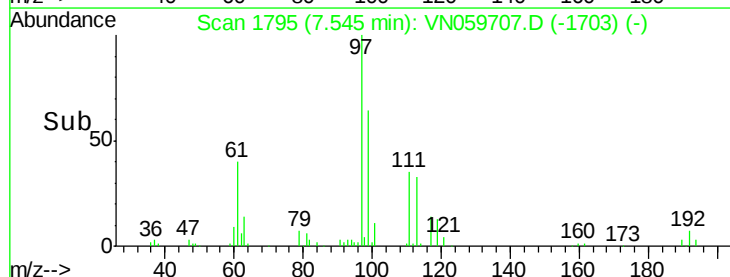


#32
1,1,1-Trichloroethane
Concen: 50.416 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 97 Resp: 158780
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 41.4 38.5 57.7



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

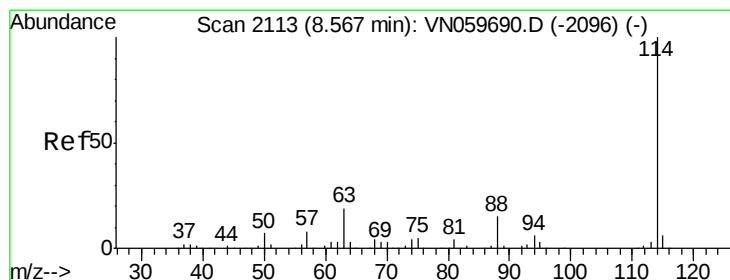
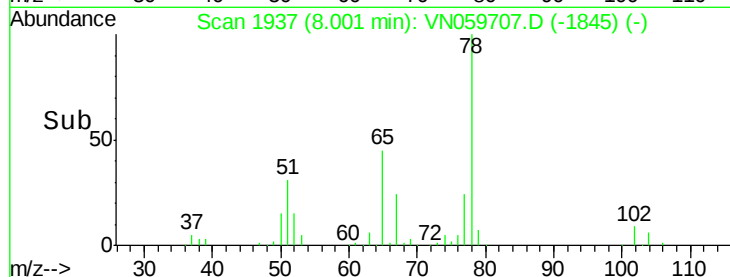
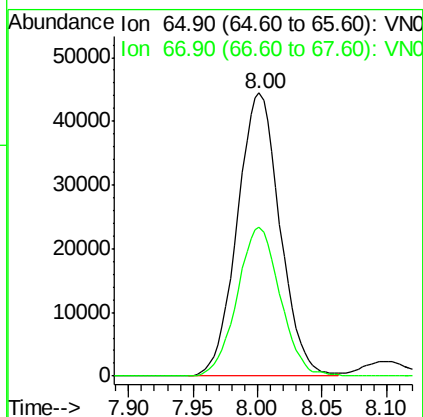
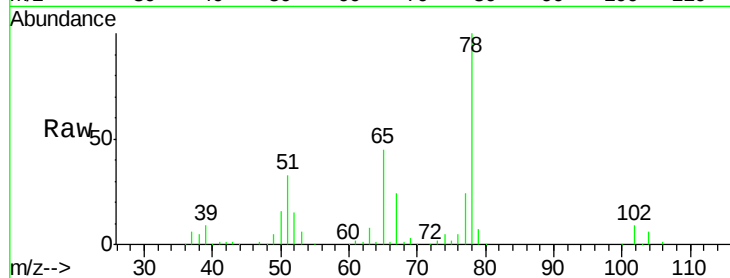




#33
 1,2-Dichloroethane-d4
 Concen: 47.941 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

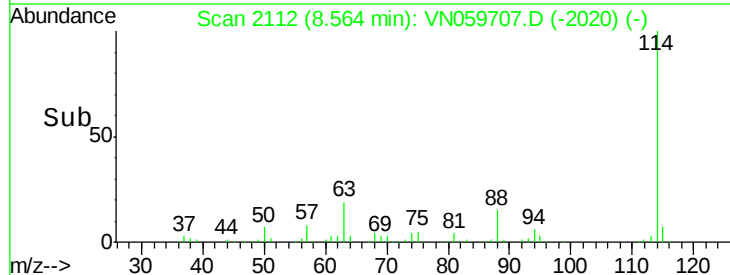
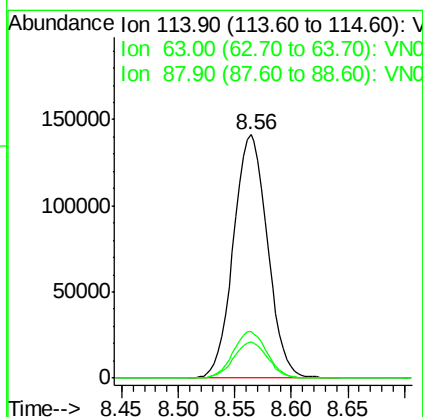
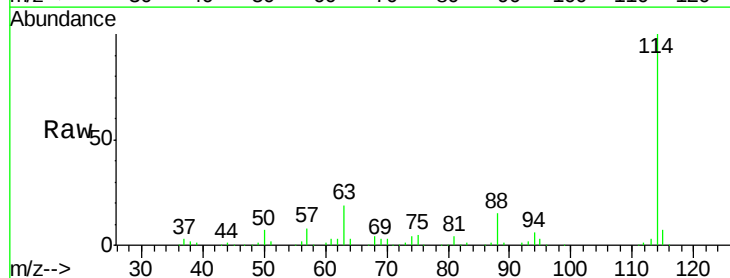
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

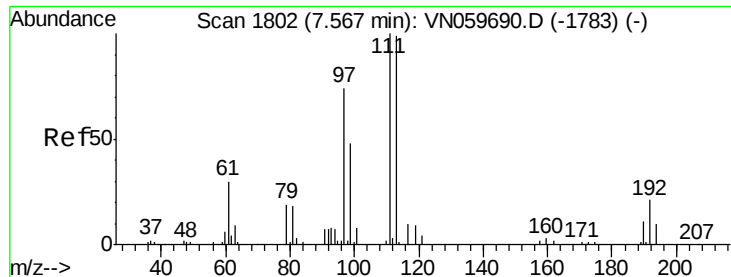
Tgt Ion: 65 Resp: 102498
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 114 Resp: 296124
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.6
 88 14.9 0.0 31.4

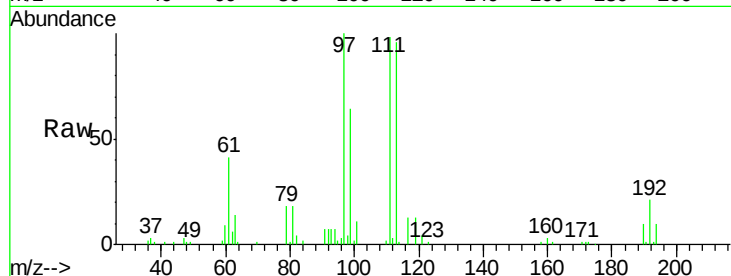




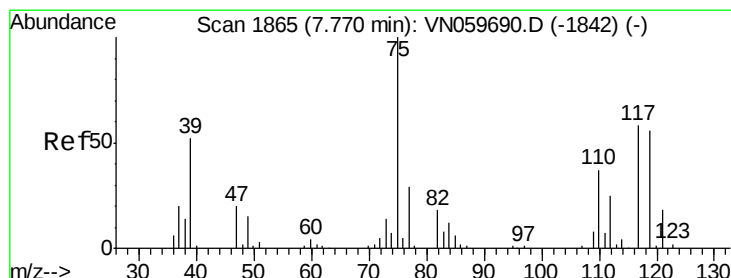
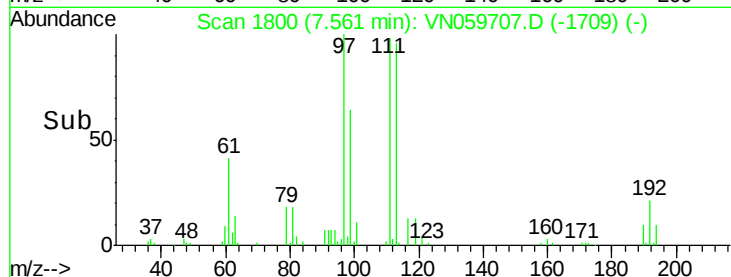
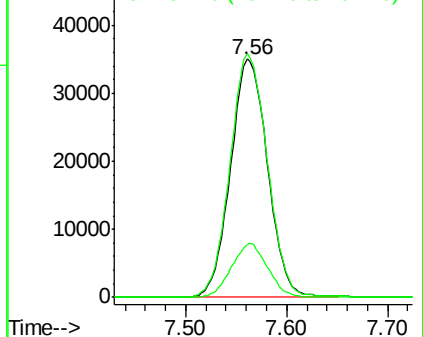
#35
 Dibromofluoromethane
 Concen: 50.554 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:113 Resp: 89274
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.5 125.3
 192 21.9 15.4 23.2

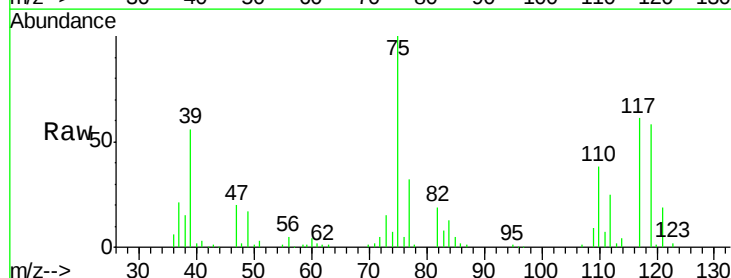


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

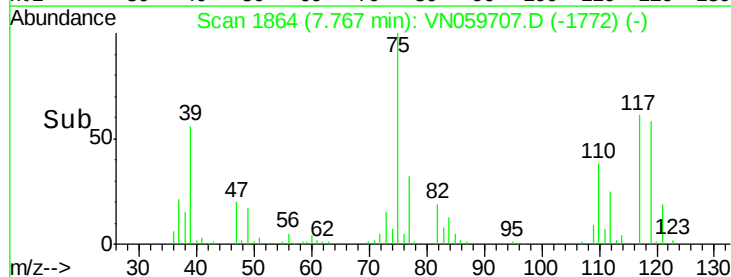
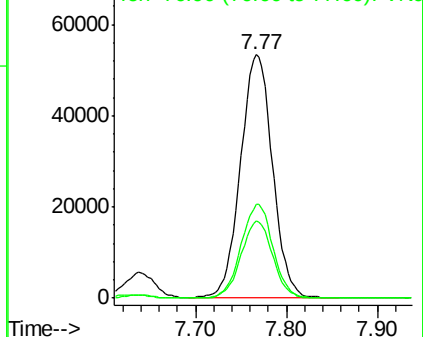


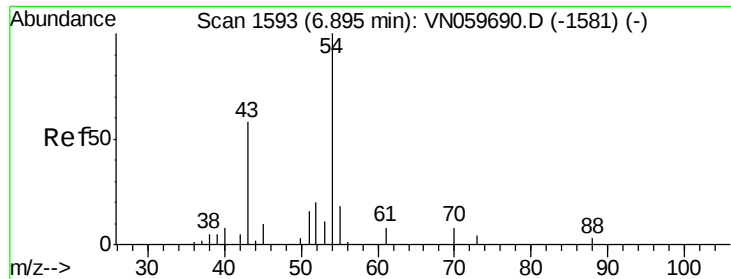
#36
 1,1-Dichloropropene
 Concen: 50.652 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 75 Resp: 130620
 Ion Ratio Lower Upper
 75 100
 110 38.1 16.6 49.7
 77 31.3 25.1 37.7



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

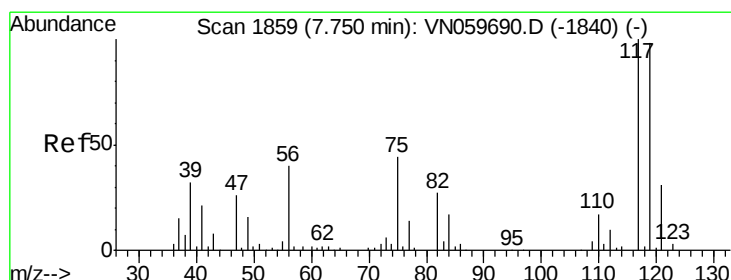
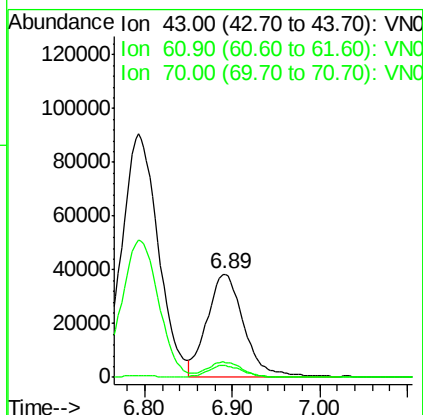
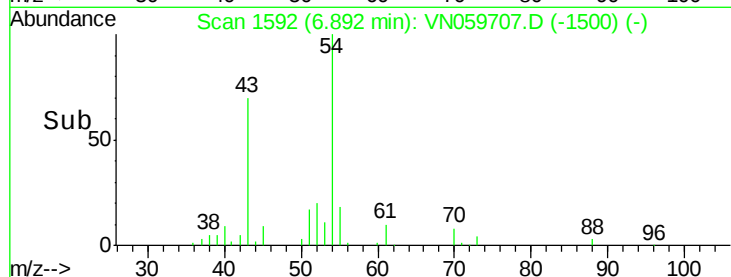
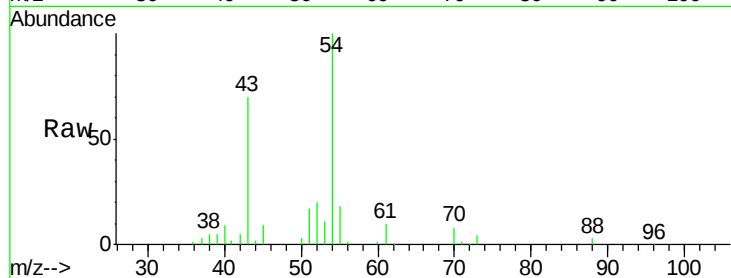




#37
 Ethyl Acetate
 Concen: 46.085 ug/l
 RT: 6.89 min Scan# 1592
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

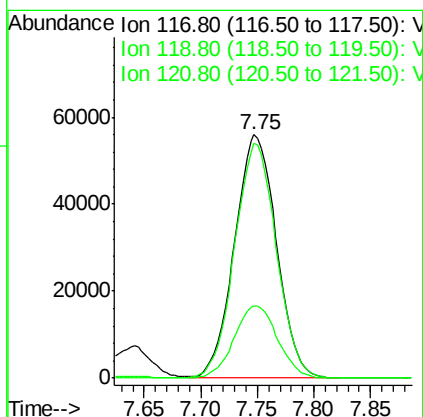
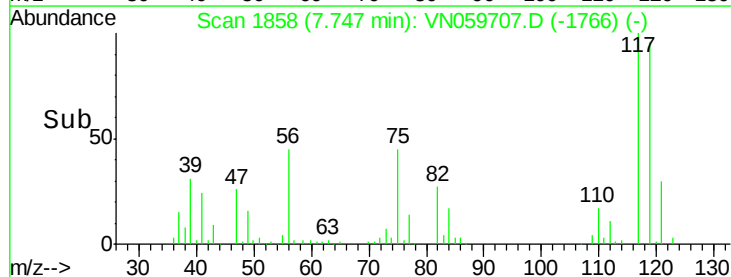
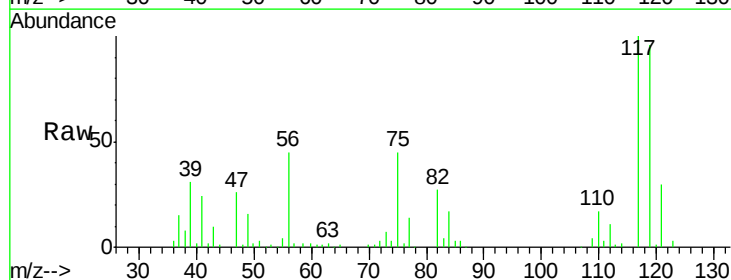
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 111463
 Ion Ratio Lower Upper
 43 100
 61 14.3 10.9 16.3
 70 11.1 7.7 11.5



#38
 Carbon Tetrachloride
 Concen: 51.507 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 117 Resp: 144485
 Ion Ratio Lower Upper
 117 100
 119 96.3 76.5 114.7
 121 29.7 25.1 37.7

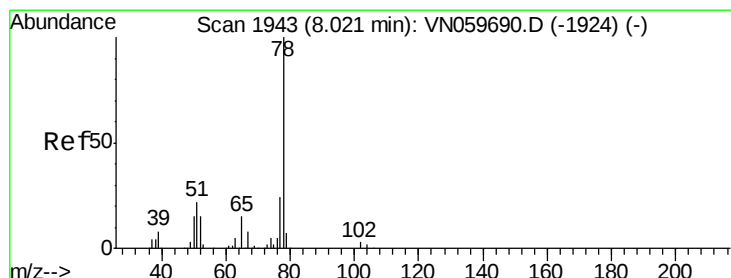
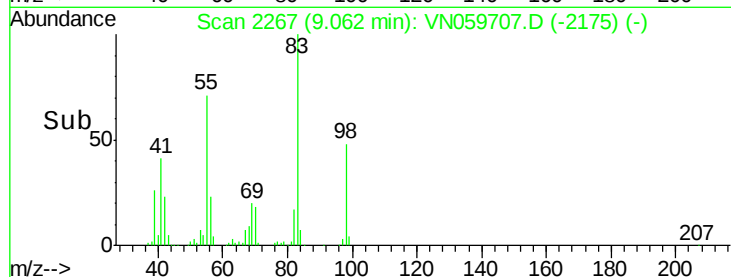
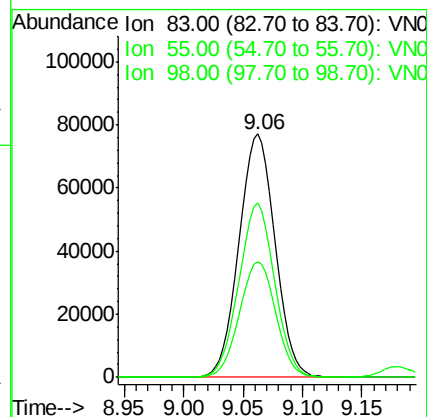
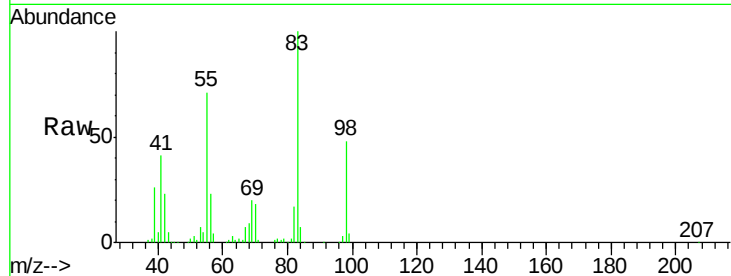




#39
Methylcyclohexane
Concen: 51.036 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

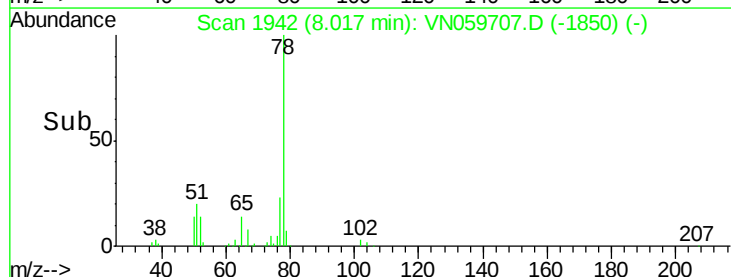
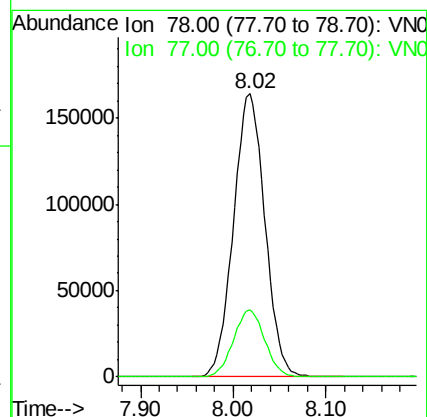
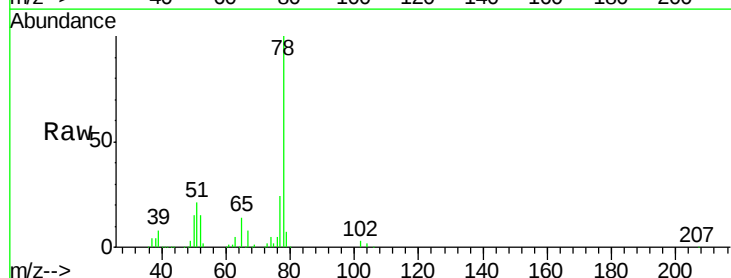
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 162277
Ion Ratio Lower Upper
83 100
55 71.5 64.2 96.2
98 47.6 35.9 53.9



#40
Benzene
Concen: 50.149 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 78 Resp: 385681
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

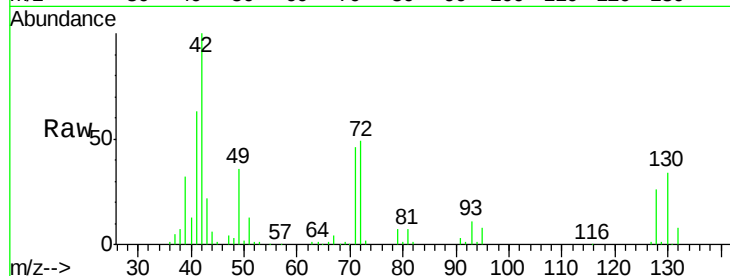




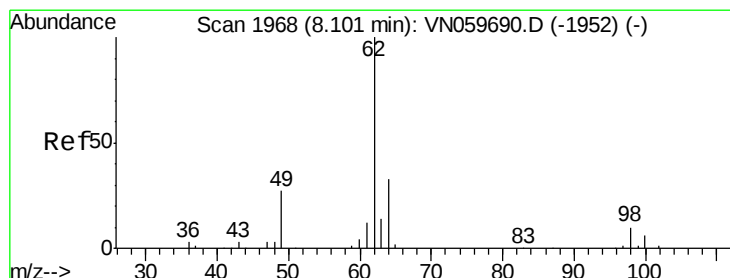
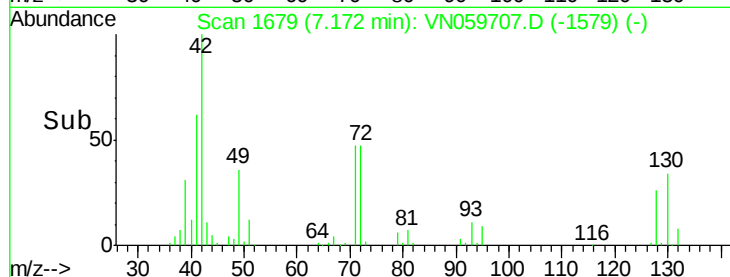
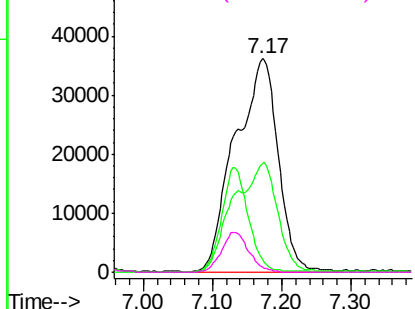
#41
Methacrylonitrile
Concen: 131.453 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 156603
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

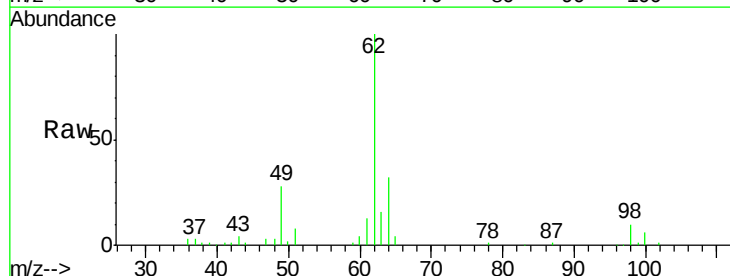


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

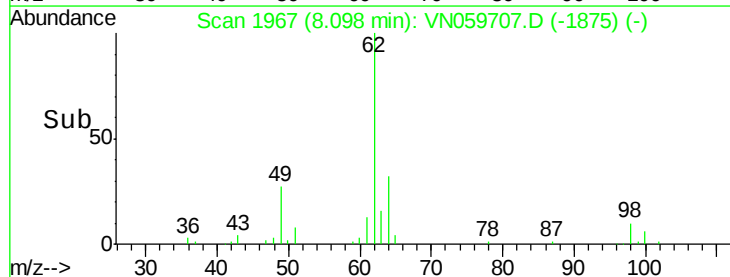
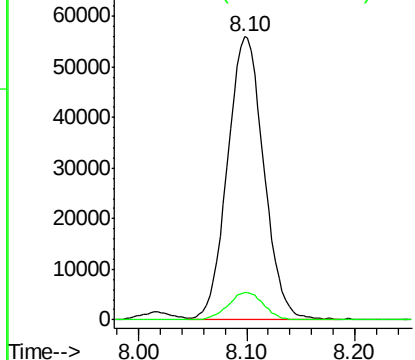


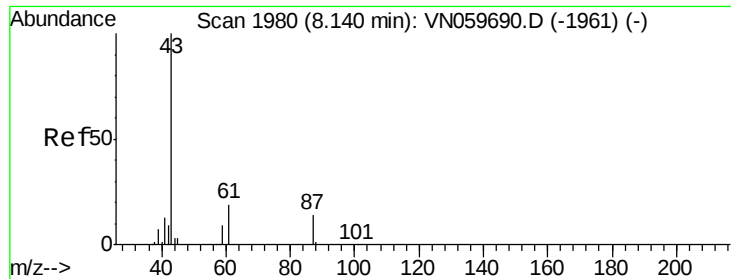
#42
1,2-Dichloroethane
Concen: 50.032 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 62 Resp: 130462
Ion Ratio Lower Upper
62 100
98 9.5 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

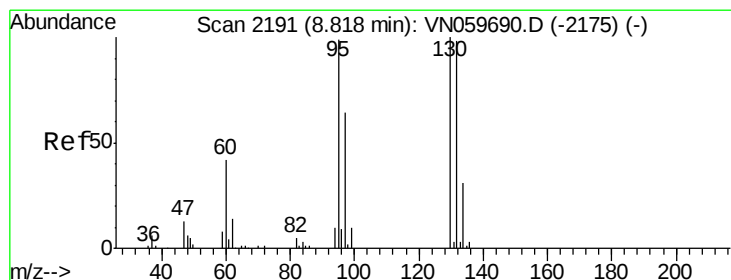
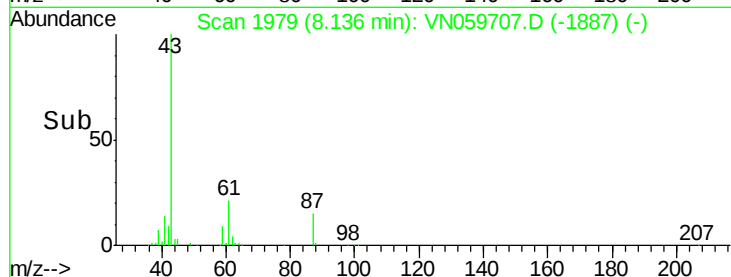
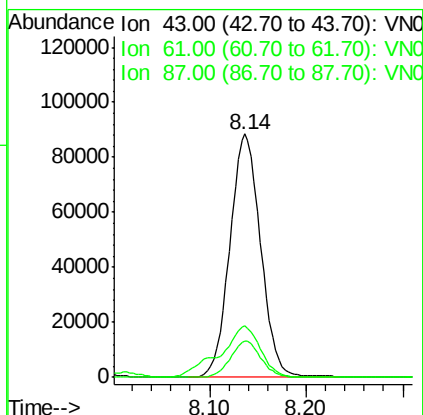
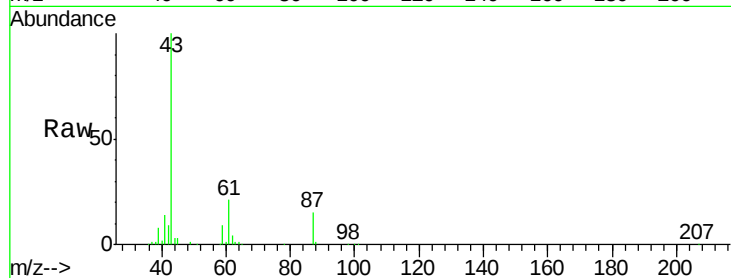




#43
Isopropyl Acetate
Concen: 46.575 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

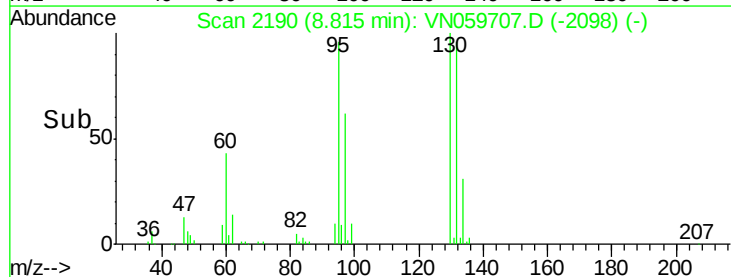
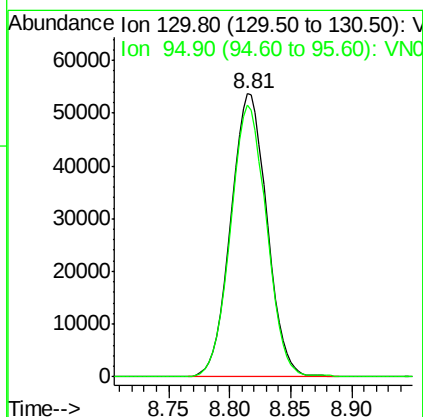
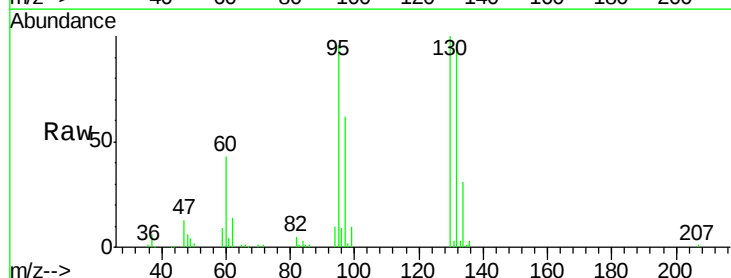
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

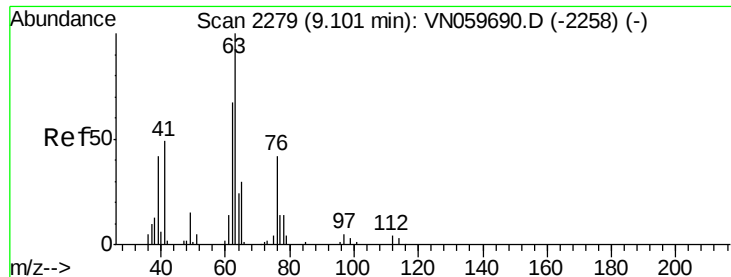
Tgt Ion: 43 Resp: 193760
Ion Ratio Lower Upper
43 100
61 28.1 20.2 30.2
87 14.7 9.5 14.3#



#44
Trichloroethene
Concen: 52.637 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 130 Resp: 110512
Ion Ratio Lower Upper
130 100
95 96.1 0.0 207.0





#45

1,2-Dichloropropane

Concen: 51.479 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

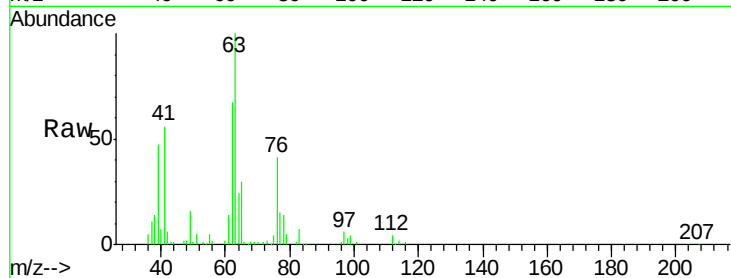
VSTDCCC050EC

Tgt Ion: 63 Resp: 97969

Ion Ratio Lower Upper

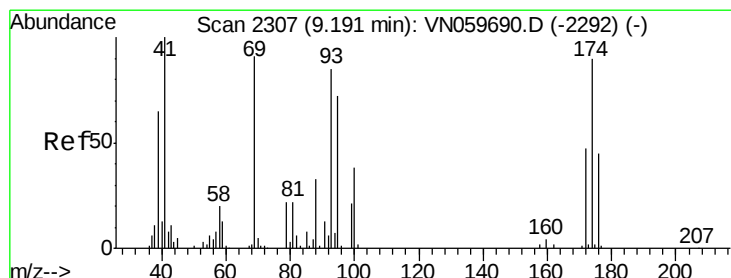
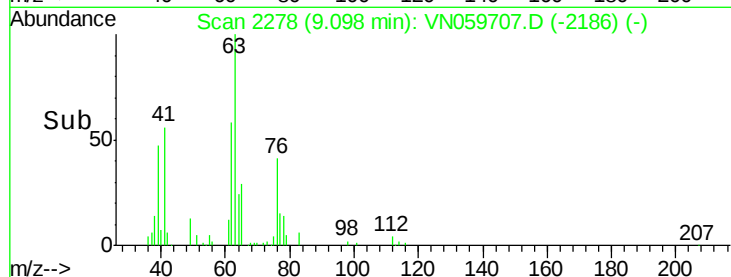
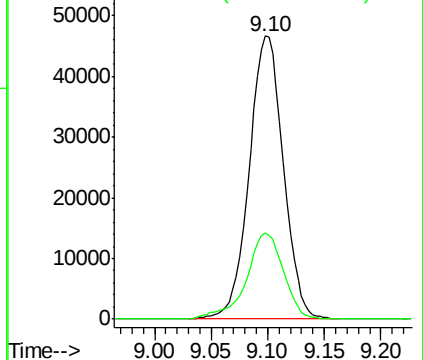
63 100

65 30.4 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.310 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

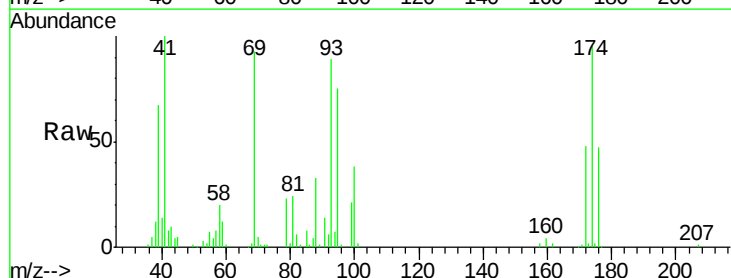
Tgt Ion: 93 Resp: 68881

Ion Ratio Lower Upper

93 100

95 83.2 67.0 100.6

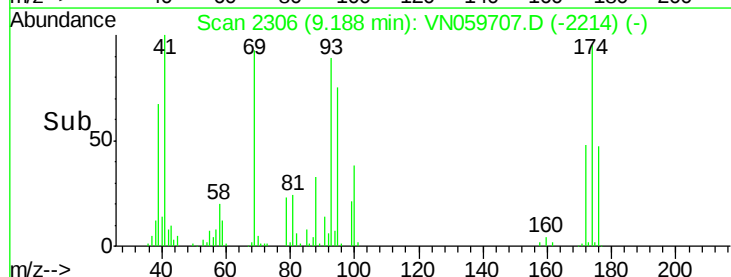
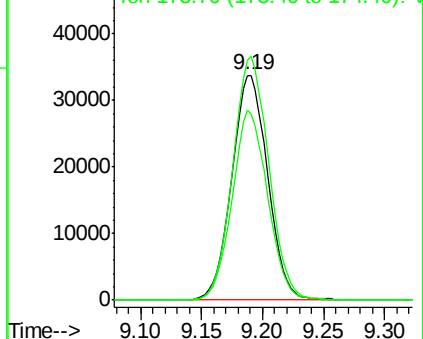
174 108.6 73.4 110.2



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

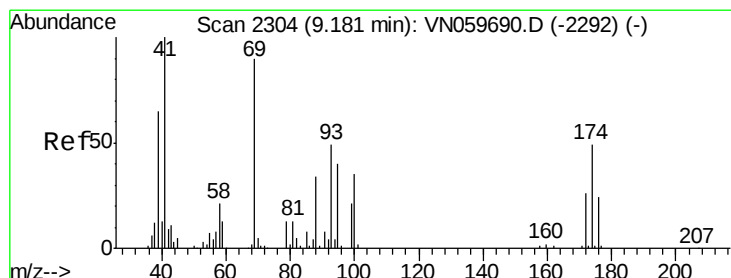
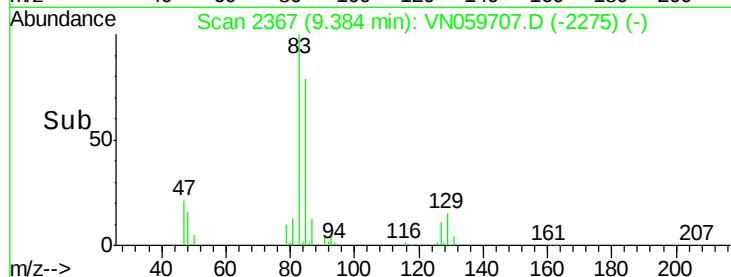
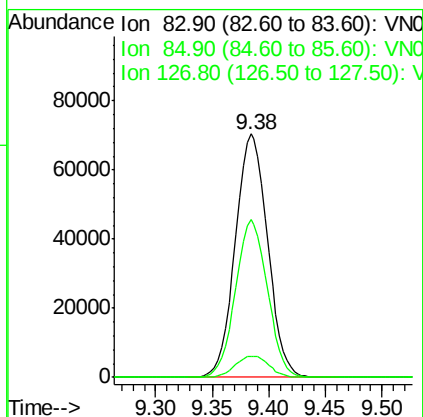
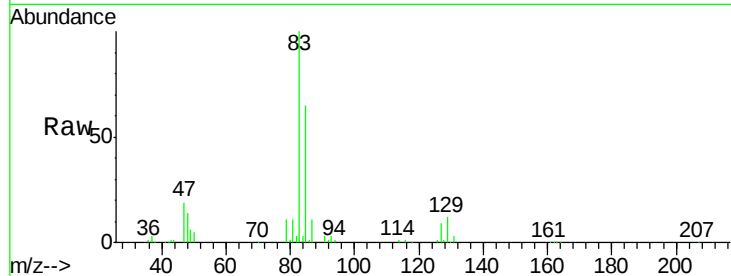




#47
Bromodichloromethane
Concen: 51.871 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

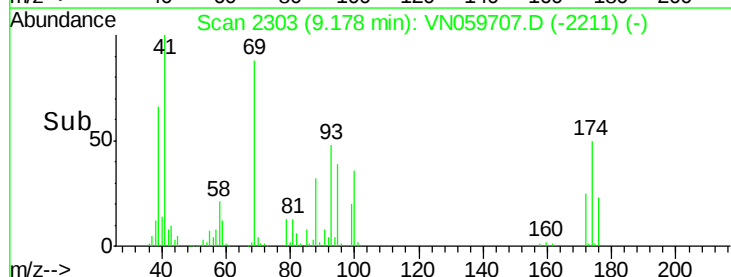
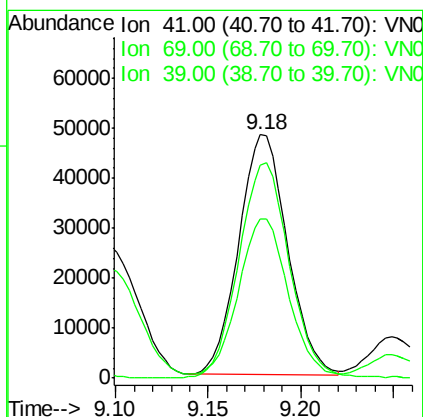
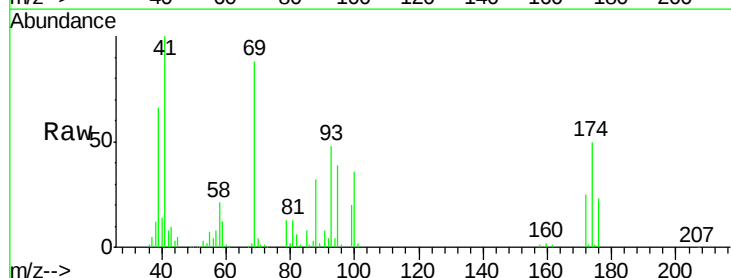
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 140324
Ion Ratio Lower Upper
83 100
85 64.7 51.1 76.7
127 8.8 6.6 9.8



#48
Methyl methacrylate
Concen: 47.513 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 41 Resp: 88413
Ion Ratio Lower Upper
41 100
69 93.2 64.4 96.6
39 67.7 51.3 76.9

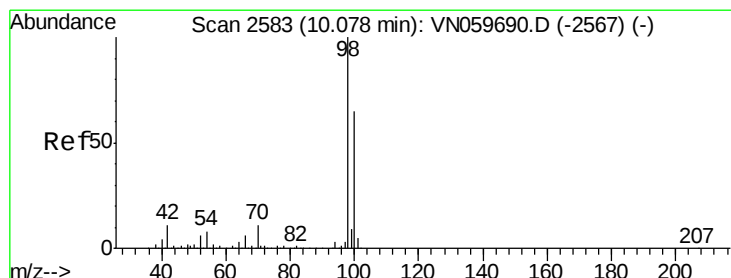
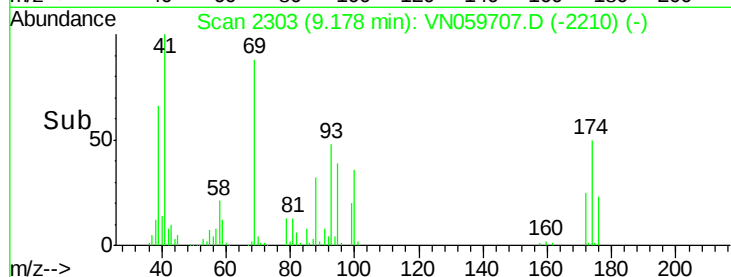
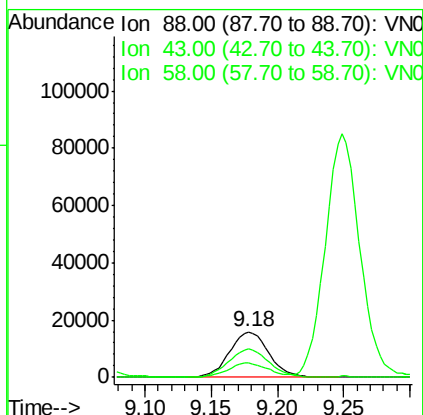
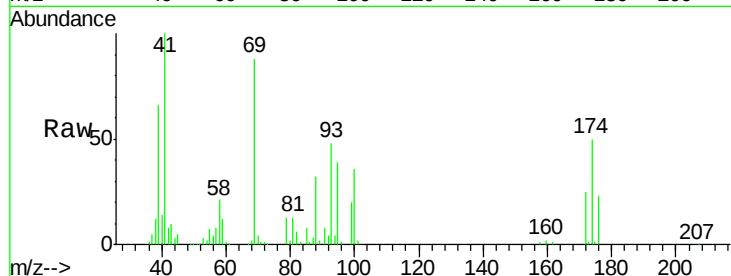




#49
1,4-Dioxane
Concen: 957.106 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

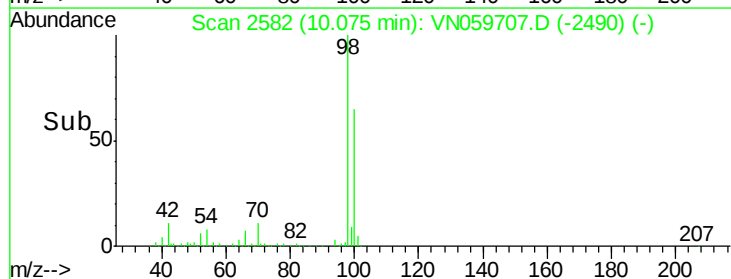
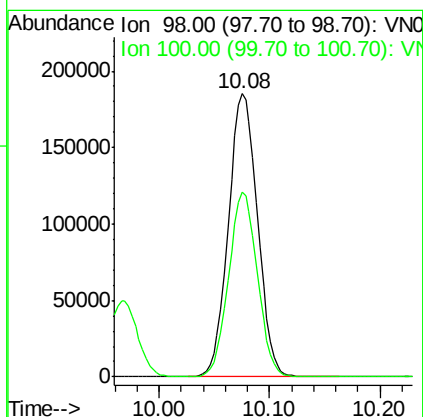
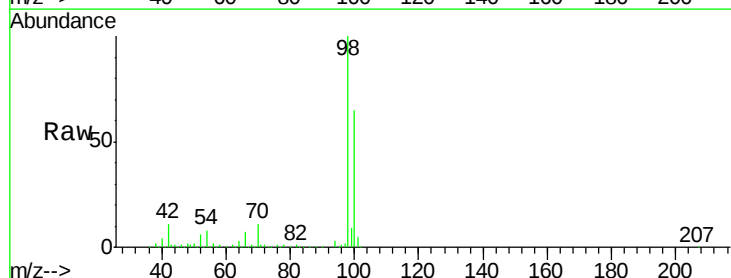
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 32604
Ion Ratio Lower Upper
88 100
43 29.4 29.7 44.5#
58 63.5 56.6 85.0



#50
Toluene-d8
Concen: 49.579 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 98 Resp: 339223
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8

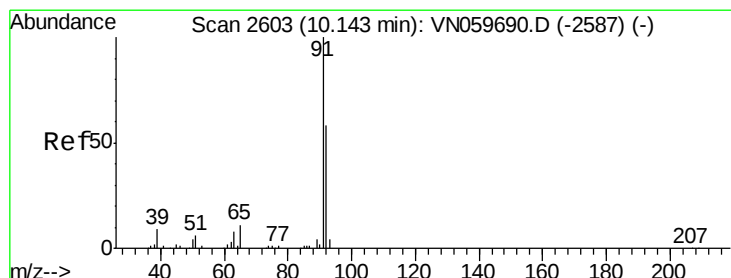
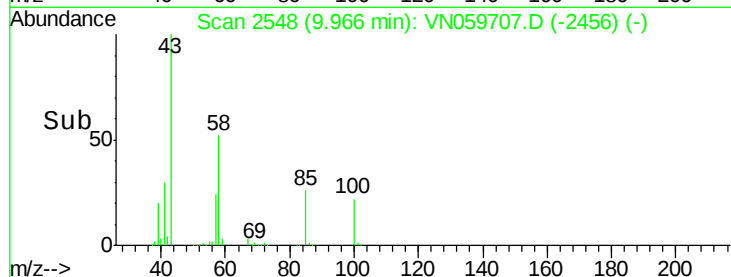
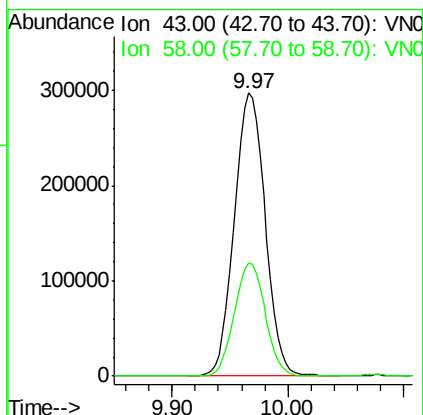
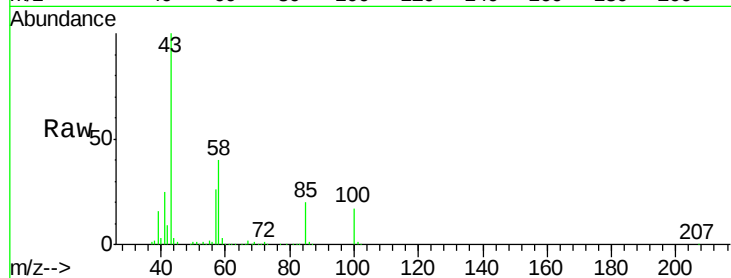




#51
 4-Methyl-2-Pentanone
 Concen: 227.151 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

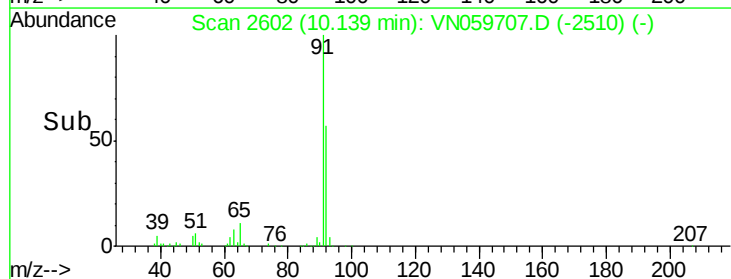
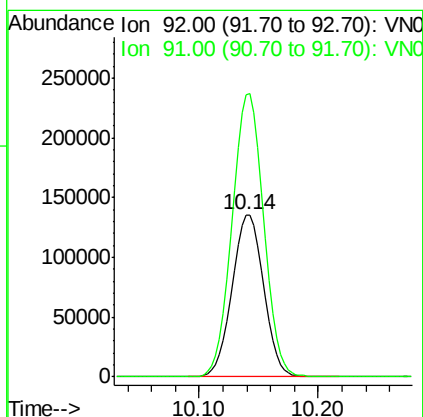
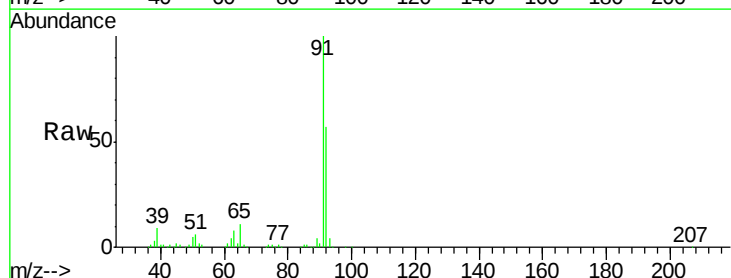
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 546269
 Ion Ratio Lower Upper
 43 100
 58 40.2 29.8 44.8



#52
 Toluene
 Concen: 51.309 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 92 Resp: 249250
 Ion Ratio Lower Upper
 92 100
 91 174.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 51.959 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

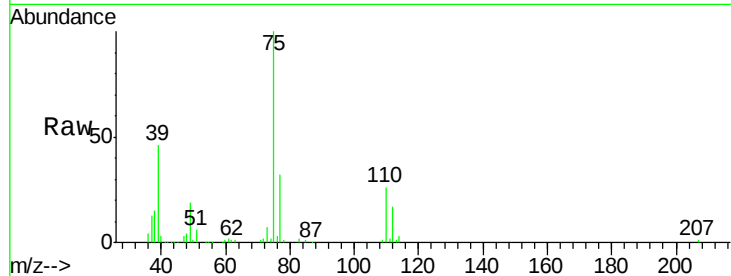
VSTDCCC050EC

Tgt Ion: 75 Resp: 156951

Ion Ratio Lower Upper

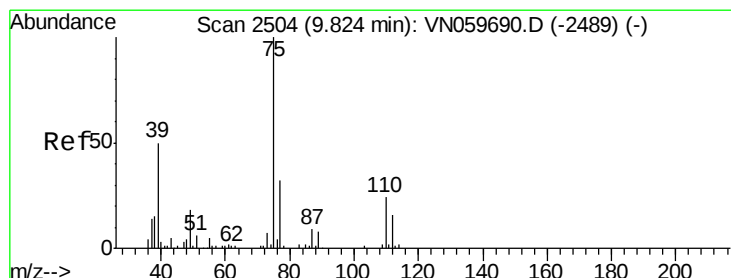
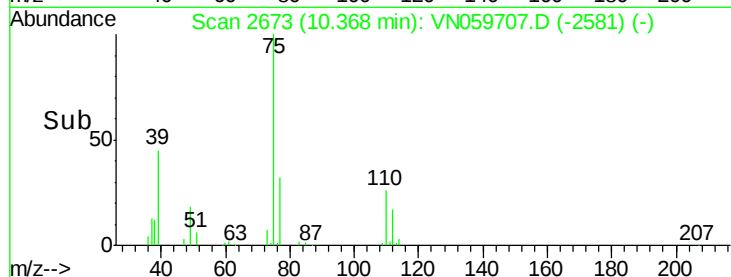
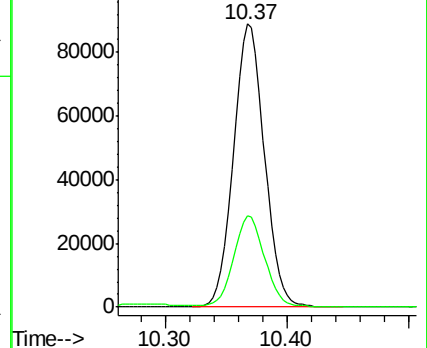
75 100

77 31.8 25.4 38.2



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: 52.979 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

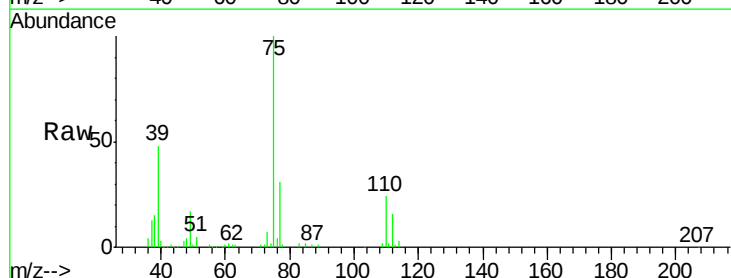
Tgt Ion: 75 Resp: 168384

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

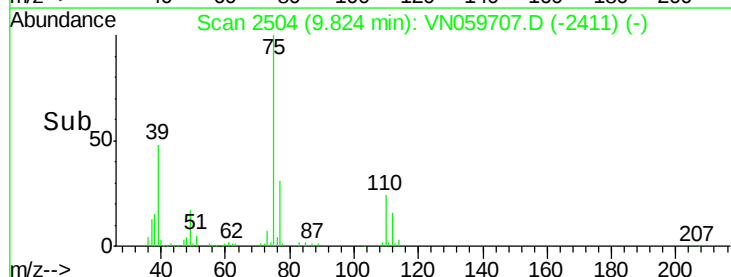
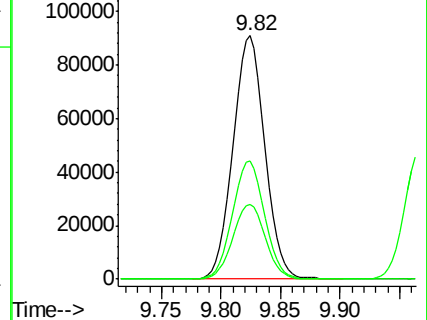
39 48.4 46.1 69.1



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: 49.768 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 95754

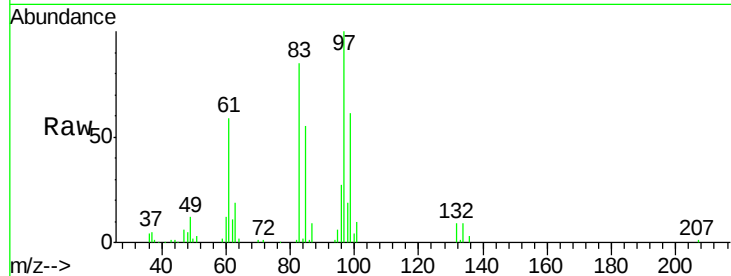
Ion Ratio Lower Upper

97 100

83 84.8 71.3 106.9

85 55.0 45.8 68.8

99 61.4 50.0 75.0

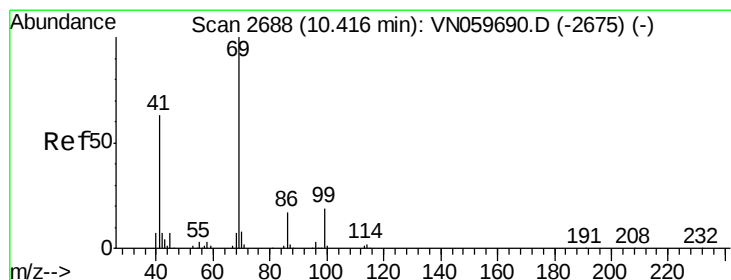
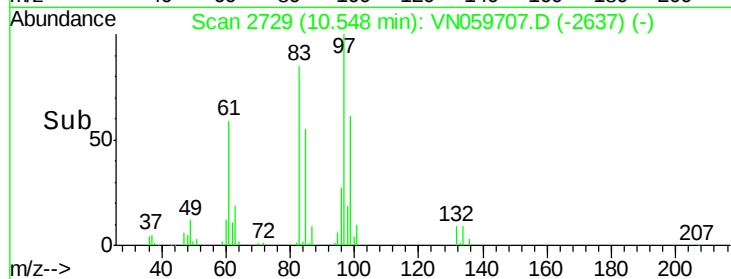
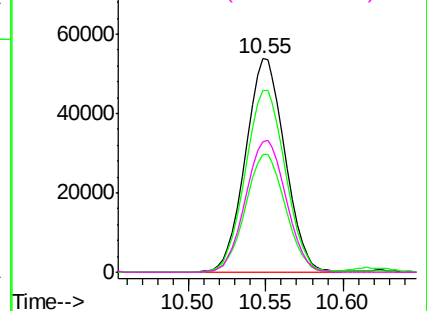


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.054 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

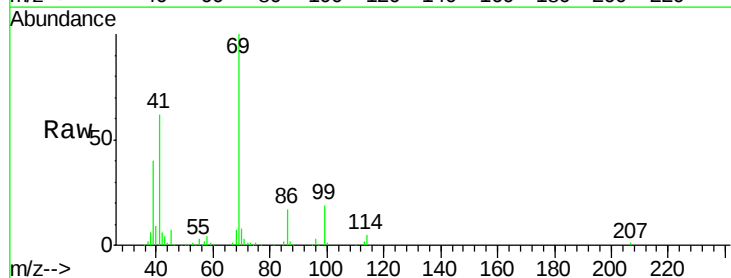
Tgt Ion: 69 Resp: 147152

Ion Ratio Lower Upper

69 100

41 61.6 57.1 85.7

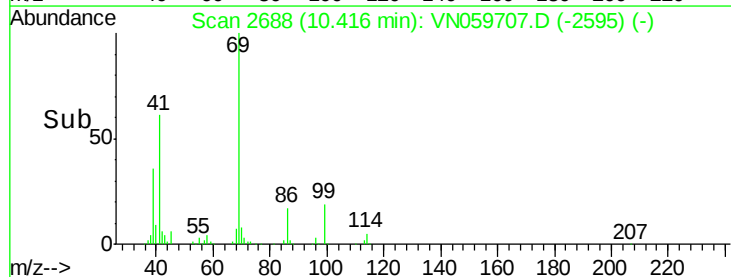
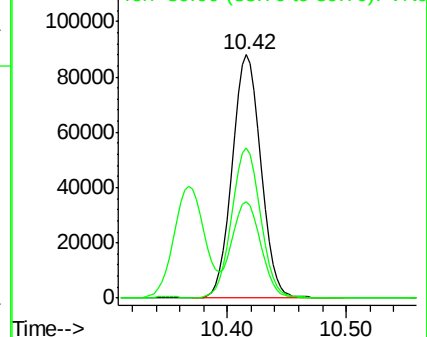
39 40.1 34.7 52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.841 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

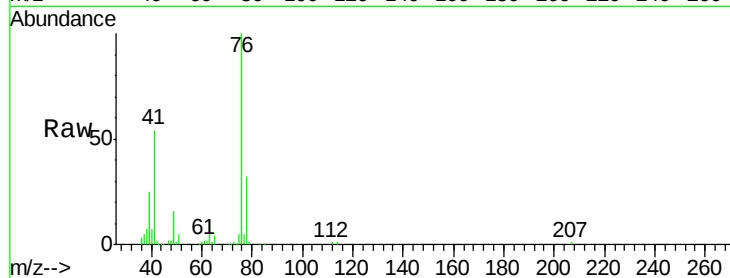
VSTDCCC050EC

Tgt Ion: 76 Resp: 158351

Ion Ratio Lower Upper

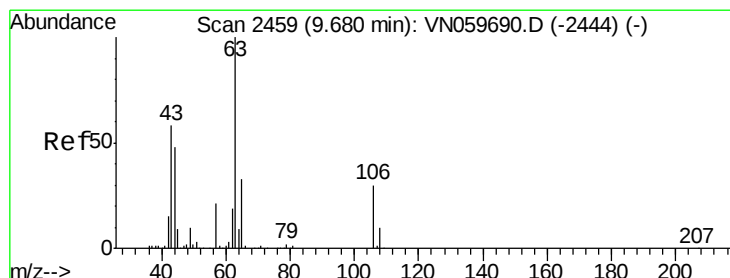
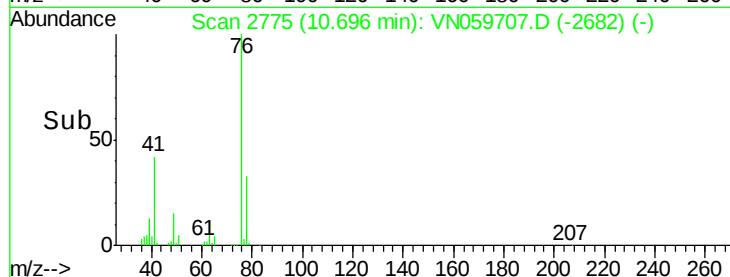
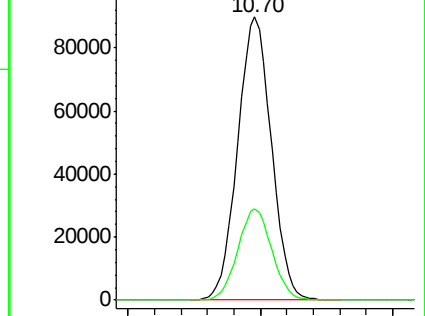
76 100

78 32.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN059690.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059690.D (-2761) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 282.004 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN059707.D

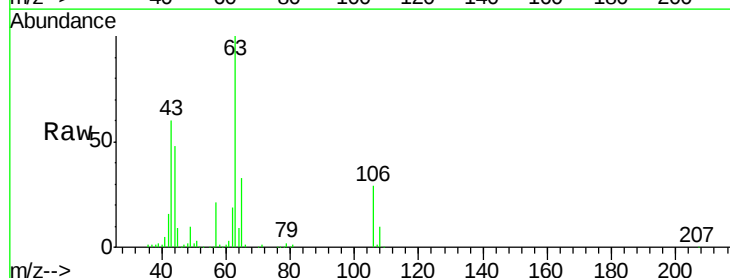
Acq: 14 Jan 2020 16:15

Tgt Ion: 63 Resp: 249714

Ion Ratio Lower Upper

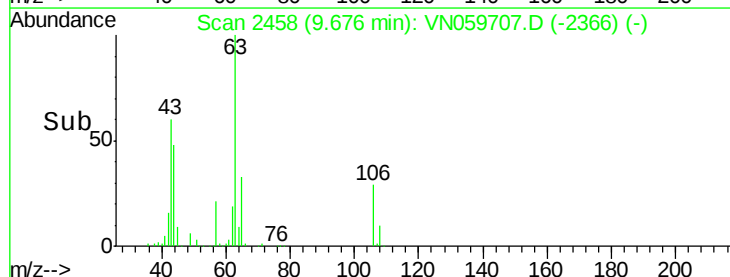
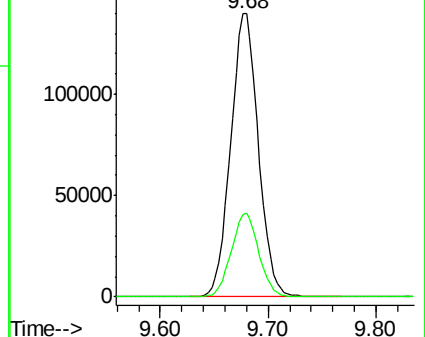
63 100

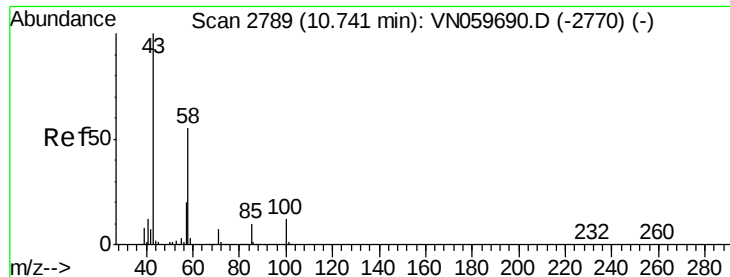
106 29.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059690.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN059690.D (-2444) (-)

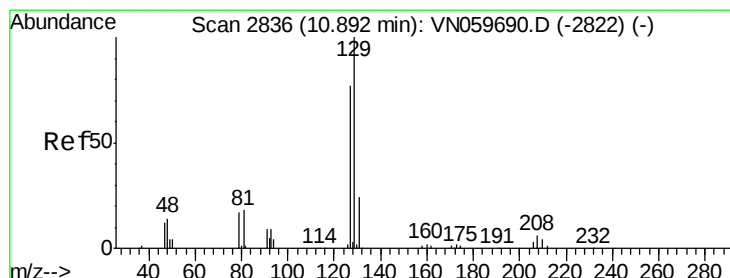
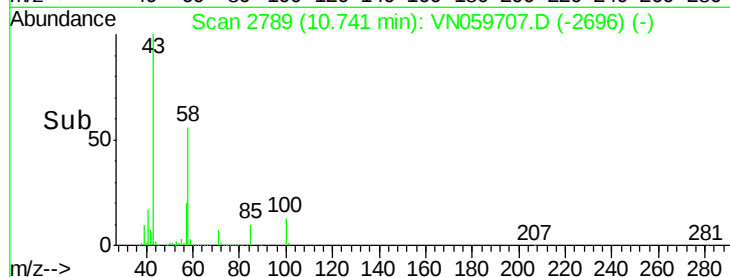
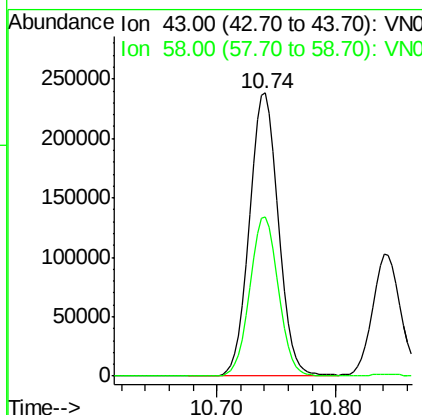
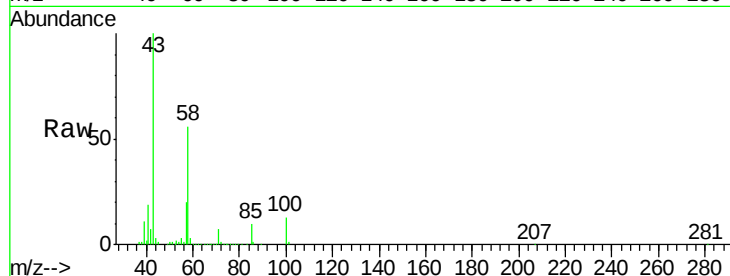




#59
2-Hexanone
Concen: 225.666 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

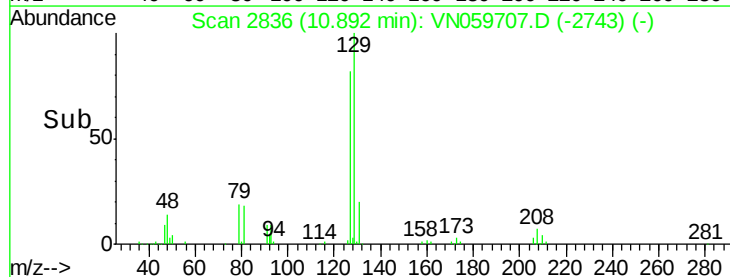
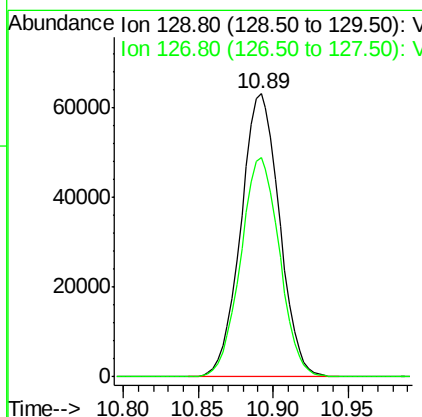
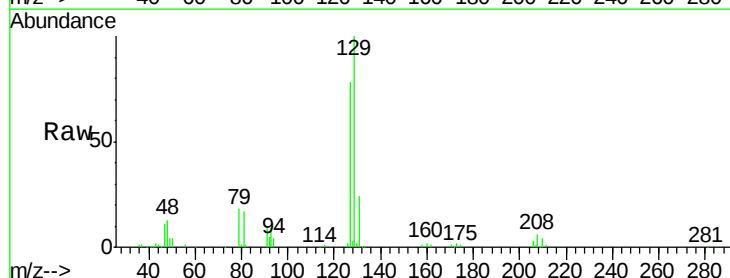
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

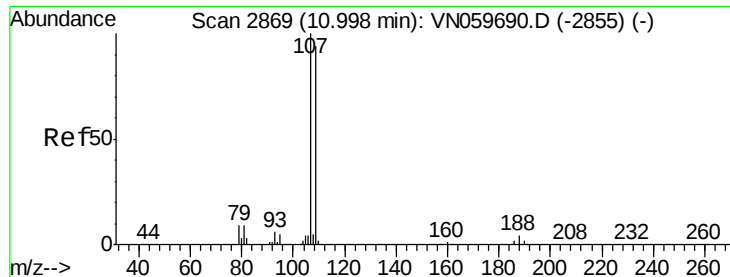
Tgt Ion: 43 Resp: 399807
Ion Ratio Lower Upper
43 100
58 55.9 25.8 77.3



#60
Dibromochloromethane
Concen: 51.870 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion: 129 Resp: 113646
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5

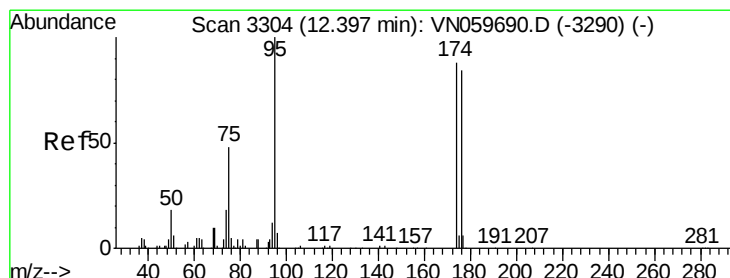
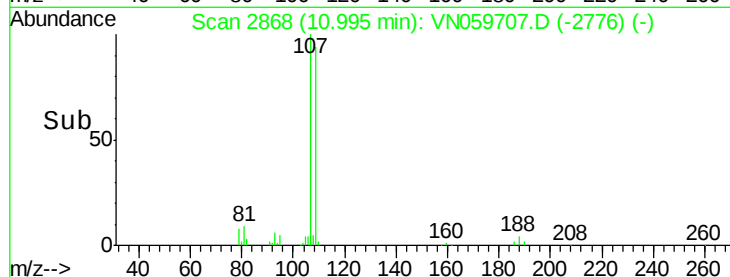
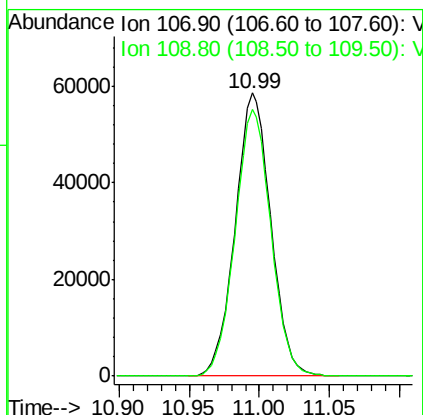
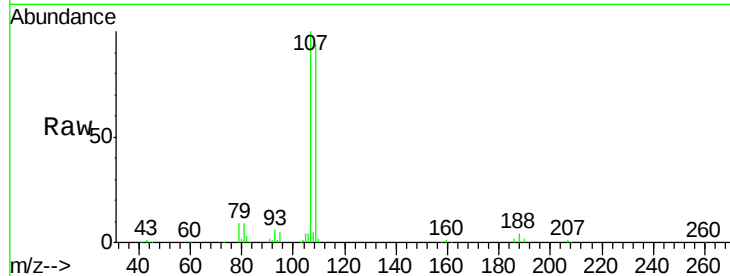




#61
 1,2-Dibromoethane
 Concen: 51.343 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

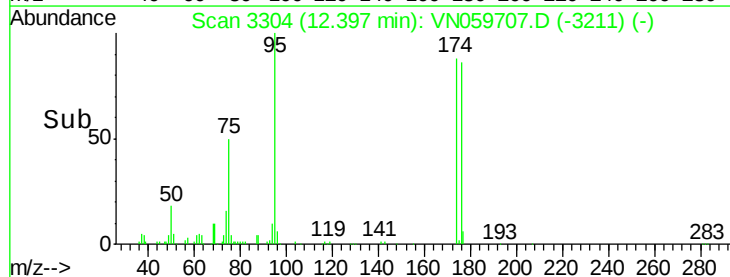
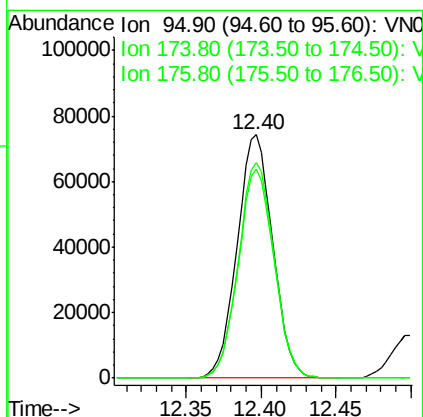
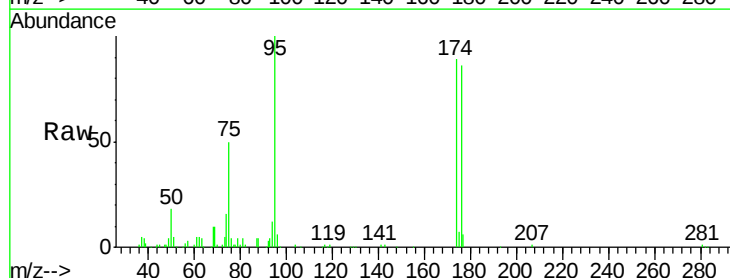
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

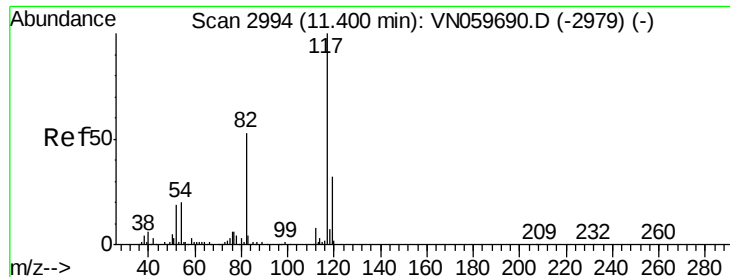
Tgt Ion: 107 Resp: 103536
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 49.943 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 95 Resp: 123186
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 151.4
 176 86.1 0.0 146.0

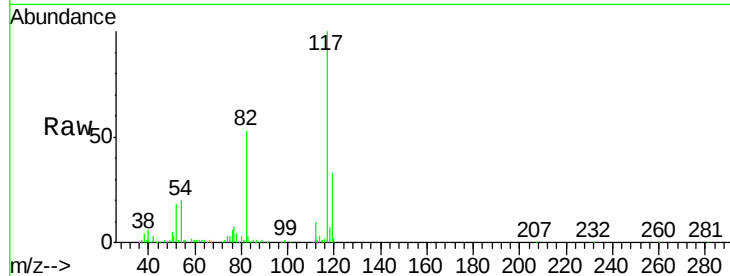




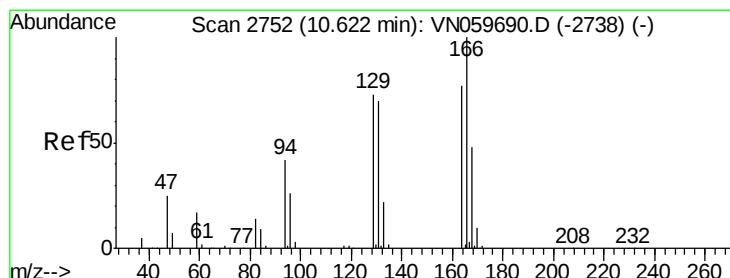
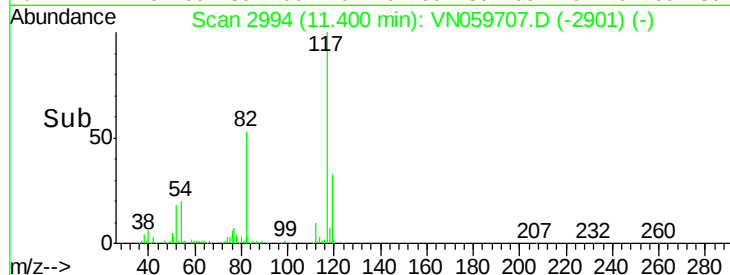
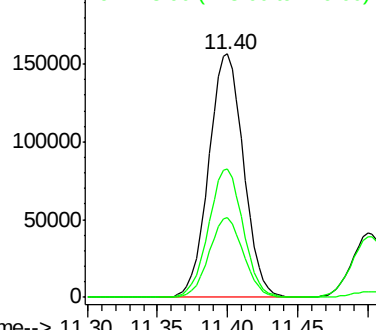
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 270468
Ion Ratio Lower Upper
117 100
82 52.6 45.9 68.9
119 32.6 25.5 38.3

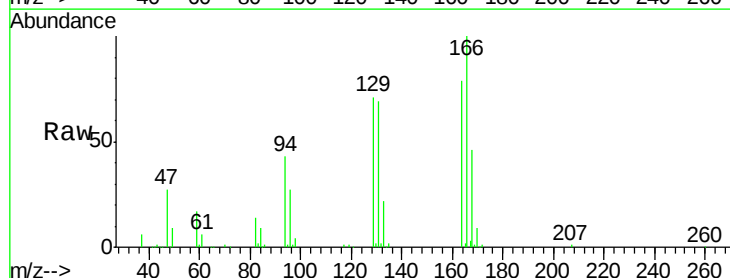


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

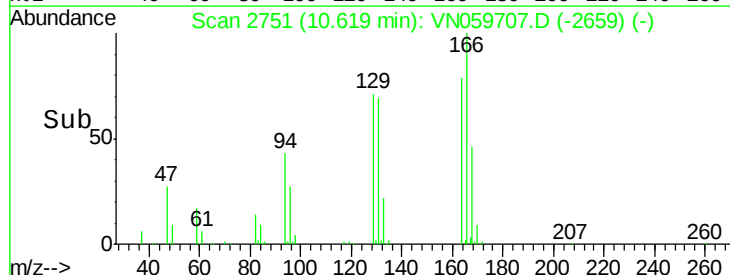
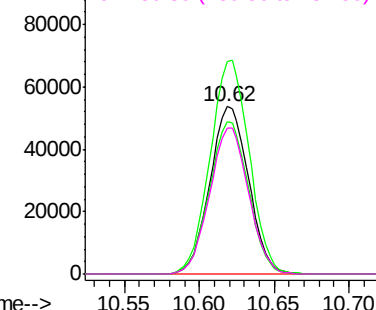


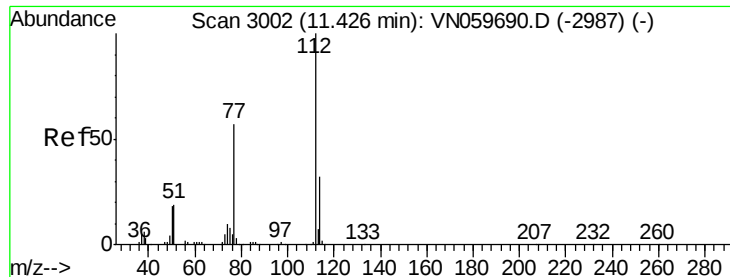
#64
Tetrachloroethene
Concen: 43.810 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion:164 Resp: 96573
Ion Ratio Lower Upper
164 100
166 127.1 101.4 152.0
129 90.8 80.2 120.4
131 87.3 75.0 112.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 51.463 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

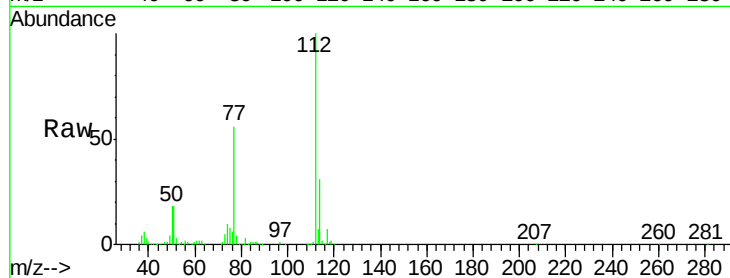
VSTDCCC050EC

Tgt Ion:112 Resp: 273588

Ion Ratio Lower Upper

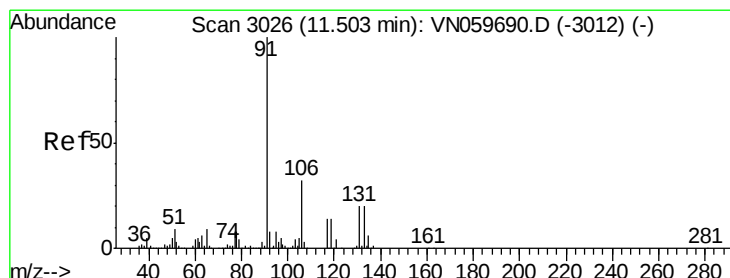
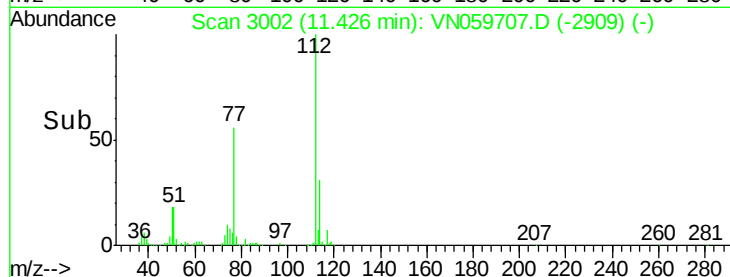
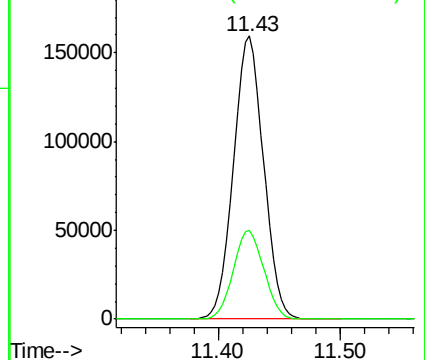
112 100

114 31.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.217 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

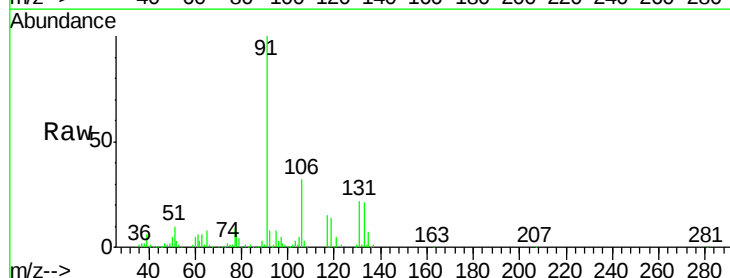
Tgt Ion:131 Resp: 105208

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.2

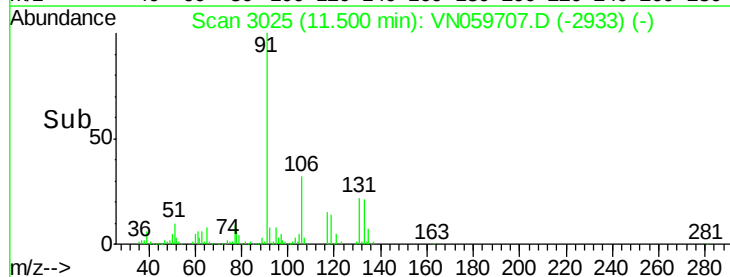
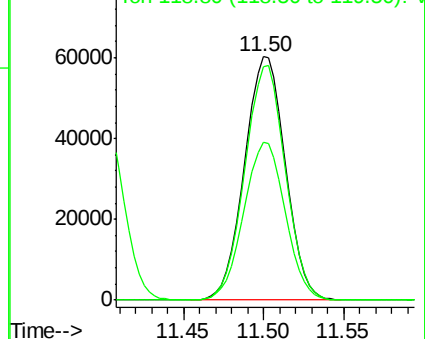
119 65.7 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.830 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

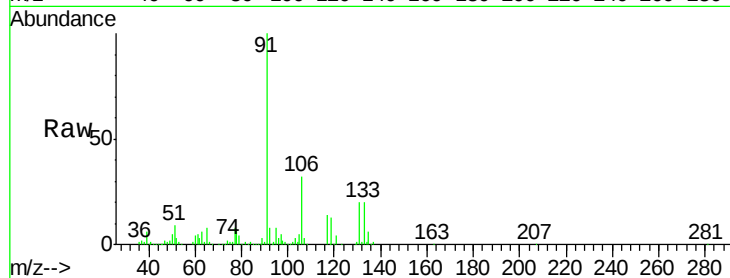
VSTDCCC050EC

Tgt Ion: 91 Resp: 490538

Ion Ratio Lower Upper

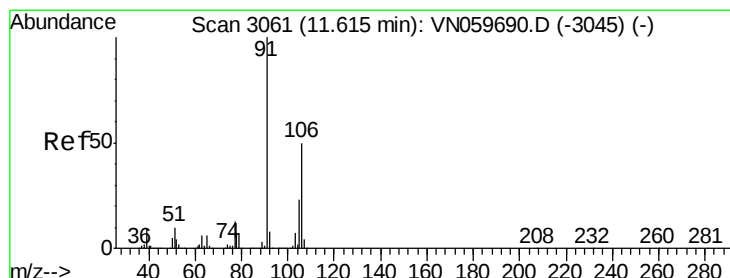
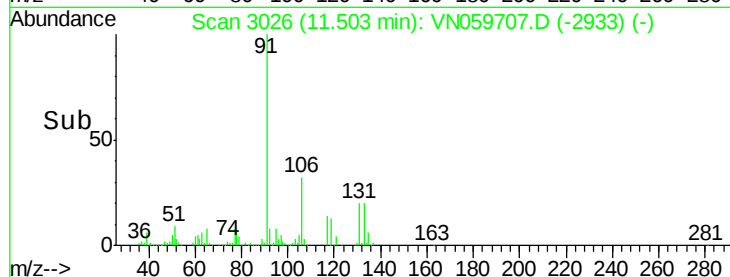
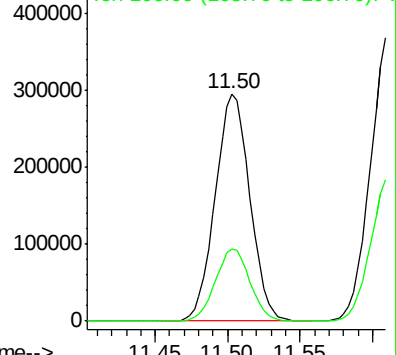
91 100

106 31.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 103.242 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059707.D

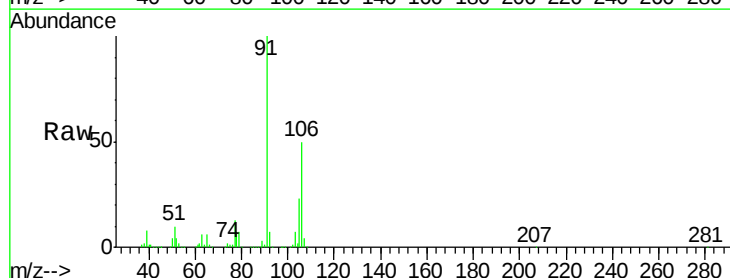
Acq: 14 Jan 2020 16:15

Tgt Ion: 106 Resp: 376359

Ion Ratio Lower Upper

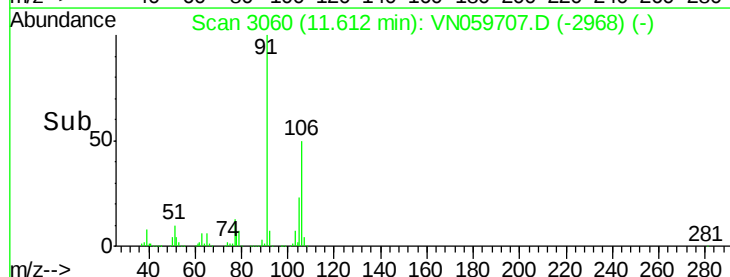
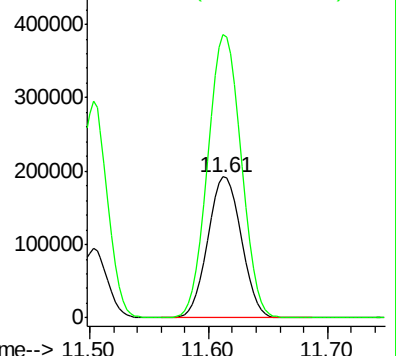
106 100

91 200.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

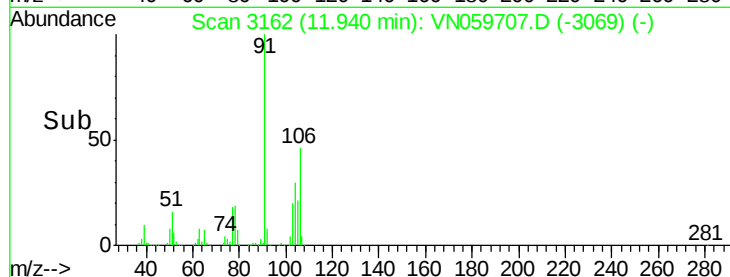
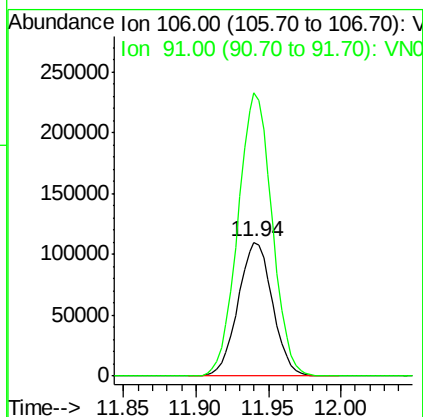
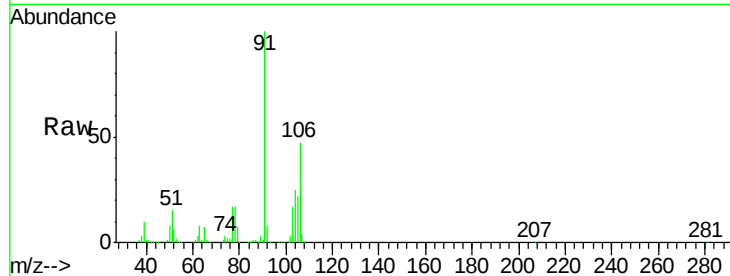




#69
o-Xylene
Concen: 50.743 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

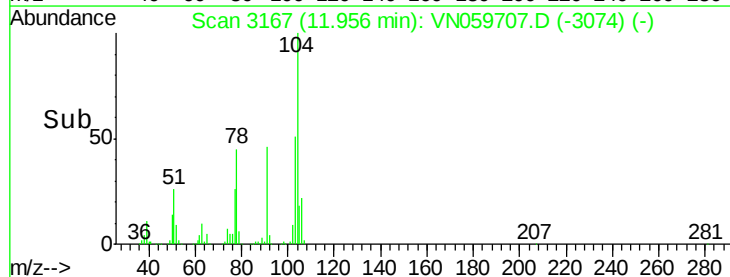
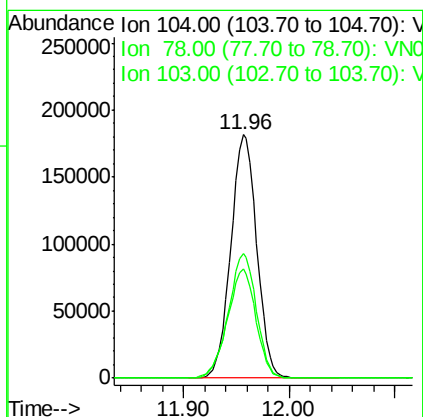
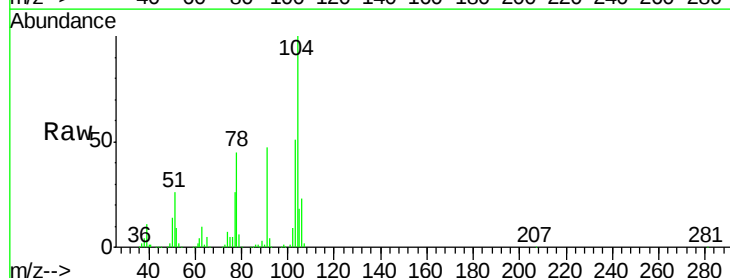
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

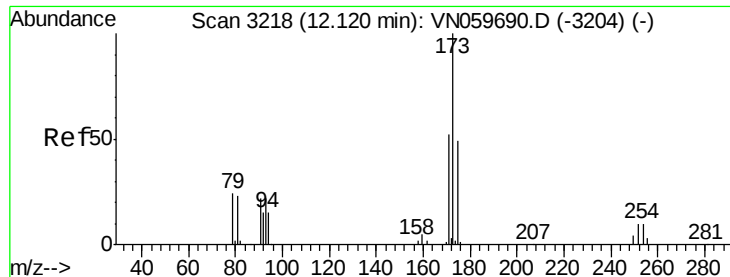
Tgt Ion:106 Resp: 181096
Ion Ratio Lower Upper
106 100
91 210.6 110.3 330.9



#70
Styrene
Concen: 51.635 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059707.D
Acq: 14 Jan 2020 16:15

Tgt Ion:104 Resp: 308360
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 55.1 43.9 65.9





#71

Bromoform

Concen: 52.114 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

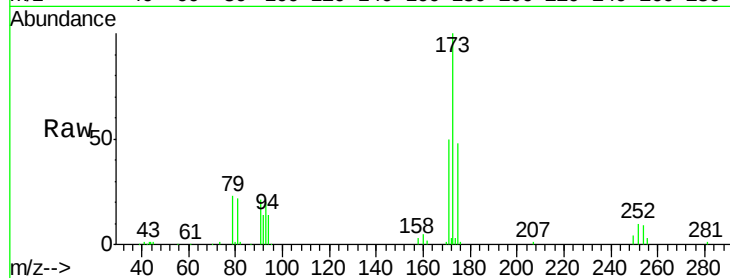
Tgt Ion:173 Resp: 85748

Ion Ratio Lower Upper

173 100

175 48.5 23.8 71.4

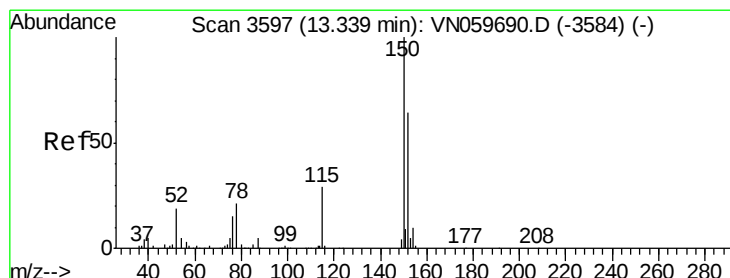
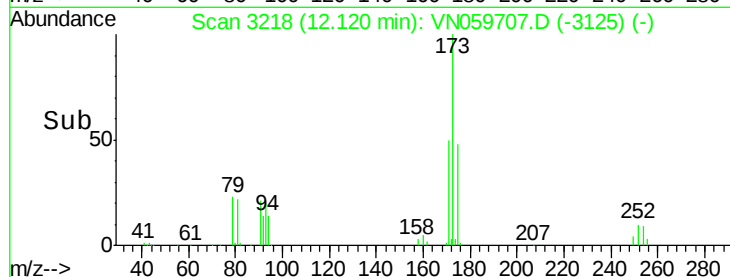
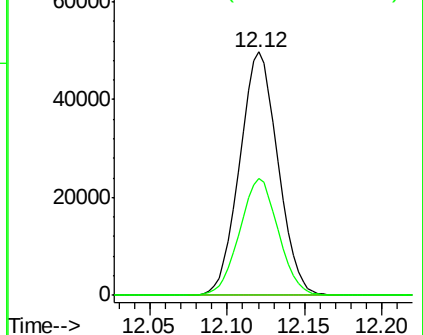
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

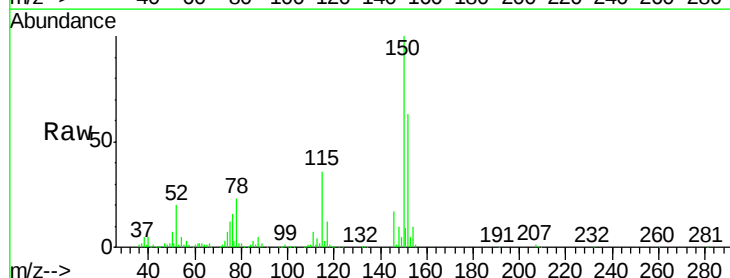
Tgt Ion:152 Resp: 133785

Ion Ratio Lower Upper

152 100

115 57.5 30.3 90.9

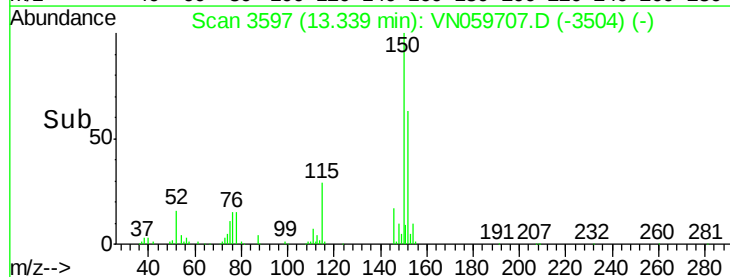
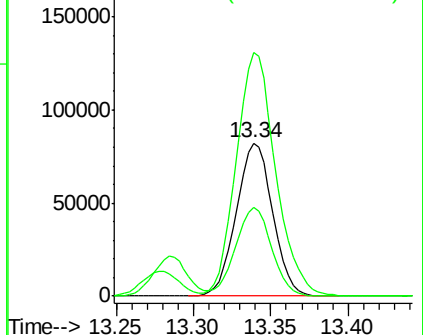
150 173.2 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.863 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

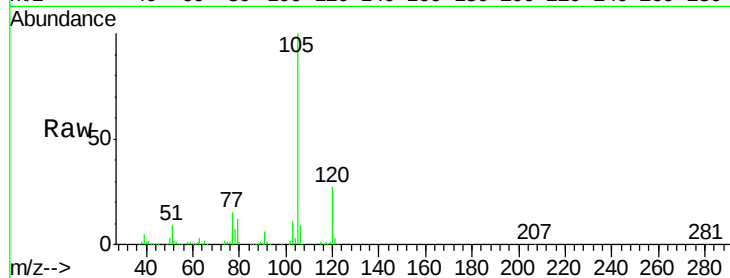
VSTDCCC050EC

Tgt Ion: 105 Resp: 489238

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

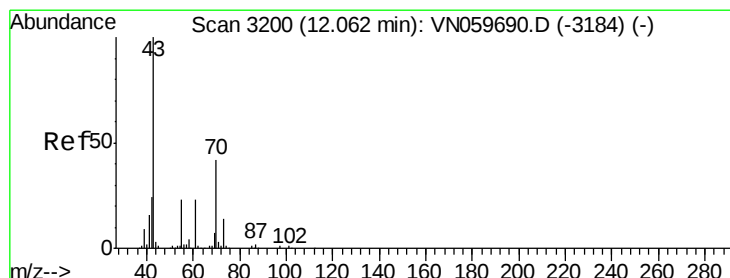
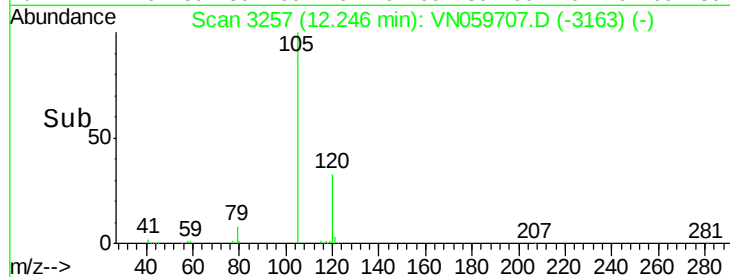
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 46.462 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion: 43 Resp: 176893

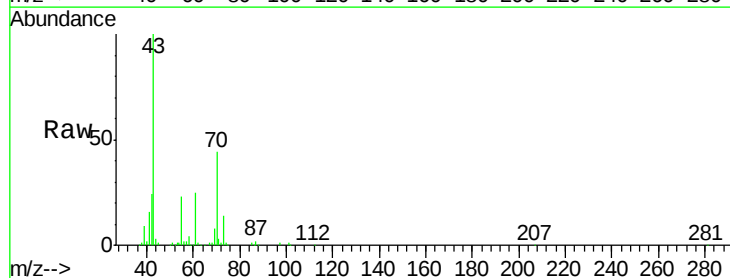
Ion Ratio Lower Upper

43 100

70 43.0 31.3 46.9

55 23.7 19.8 29.6

61 24.3 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.06

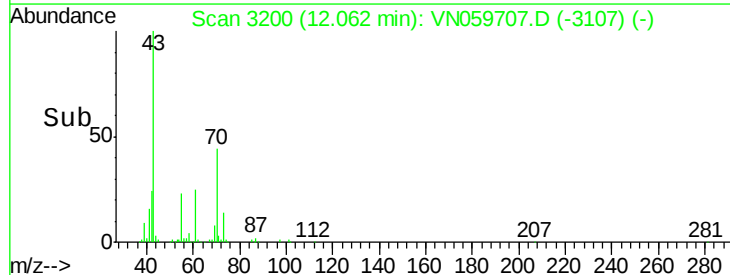
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.607 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

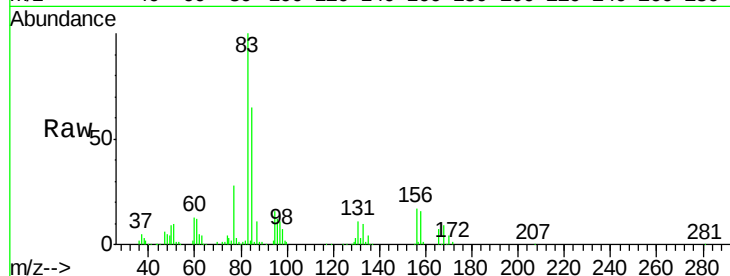
Tgt Ion: 83 Resp: 135415

Ion Ratio Lower Upper

83 100

131 11.4 5.0 14.9

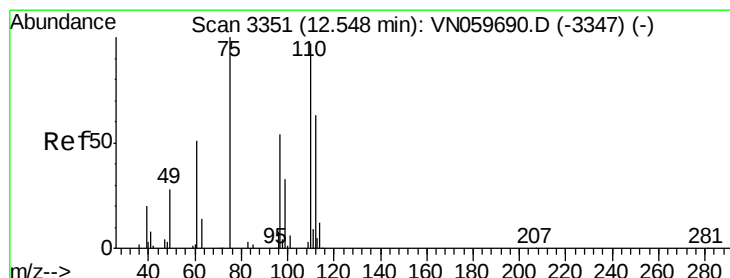
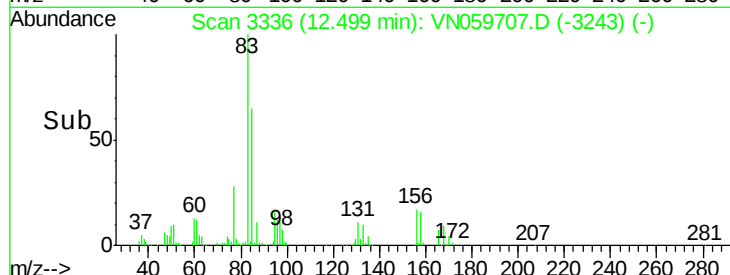
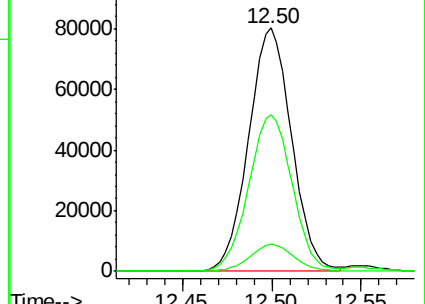
85 64.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059707.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059707.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059707.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 79.341 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059707.D

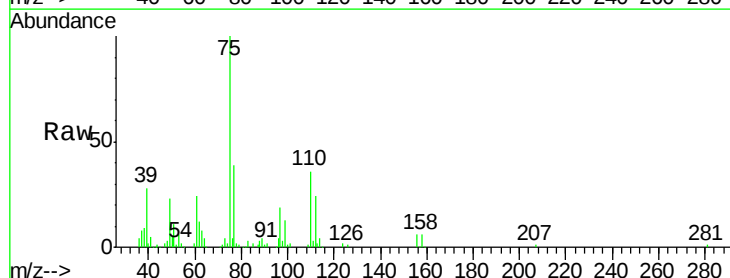
Acq: 14 Jan 2020 16:15

Tgt Ion: 75 Resp: 178633

Ion Ratio Lower Upper

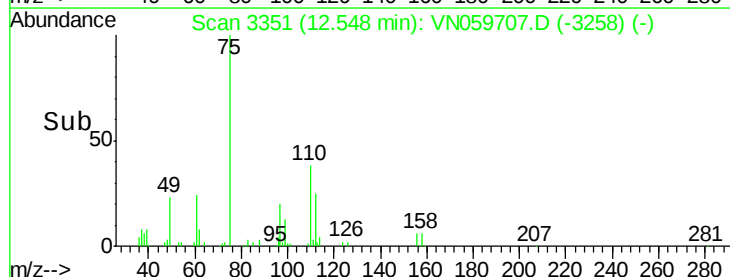
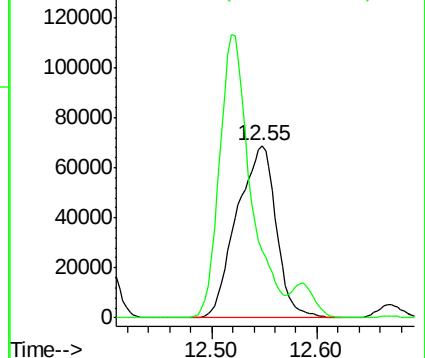
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059707.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059707.D (-3258) (-)





#77

Bromobenzene

Concen: 49.991 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

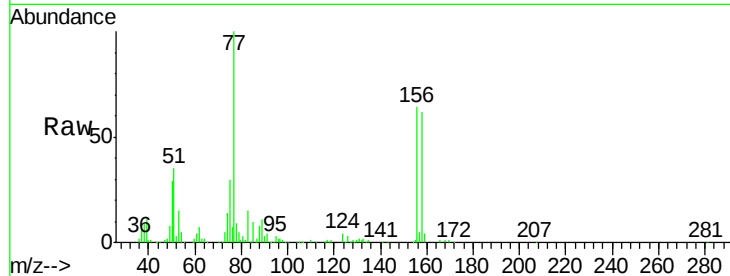
Tgt Ion:156 Resp: 124214

Ion Ratio Lower Upper

156 100

77 186.7 115.8 347.4

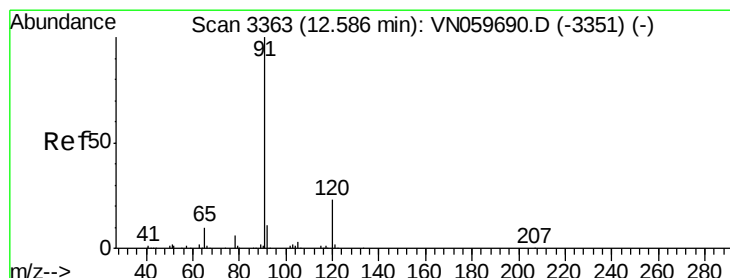
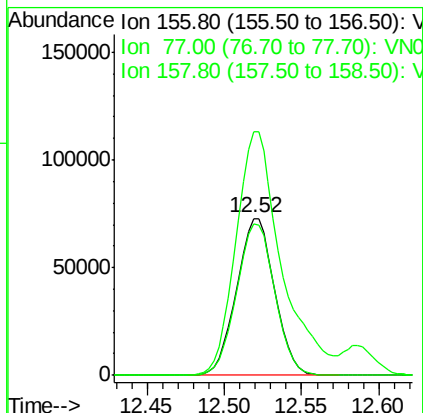
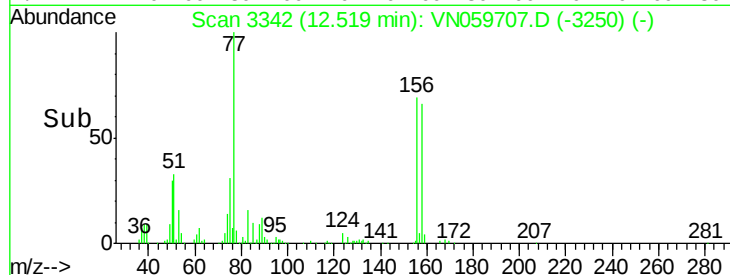
158 97.5 49.2 147.6



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: 50.725 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059707.D

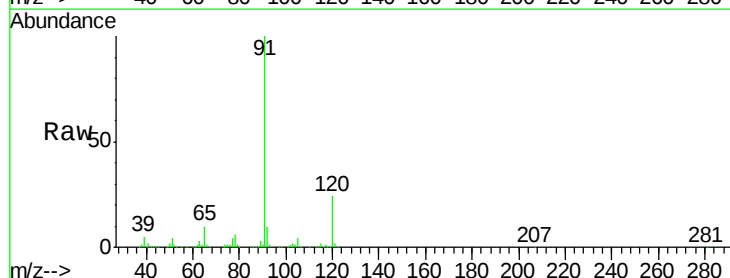
Acq: 14 Jan 2020 16:15

Tgt Ion: 91 Resp: 558618

Ion Ratio Lower Upper

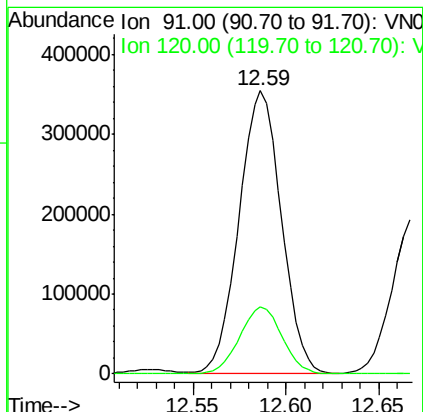
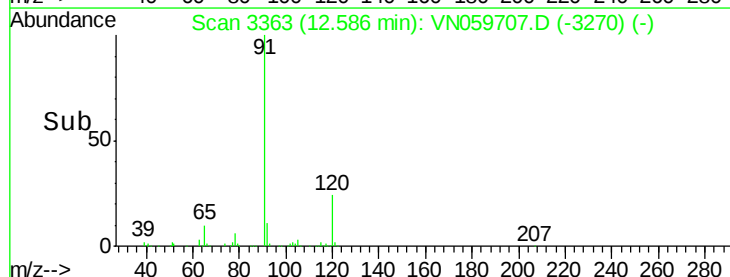
91 100

120 23.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

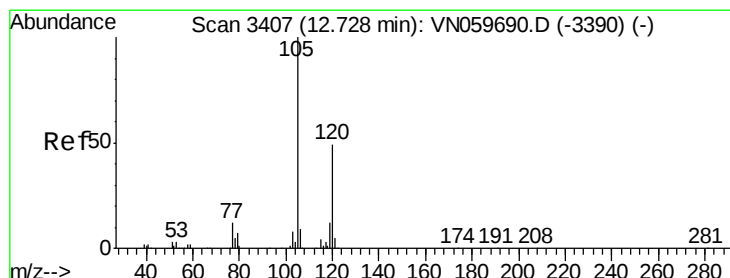
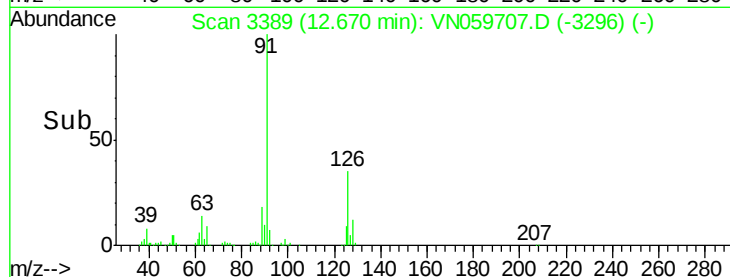
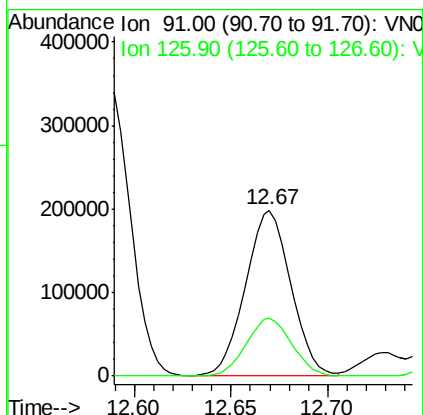
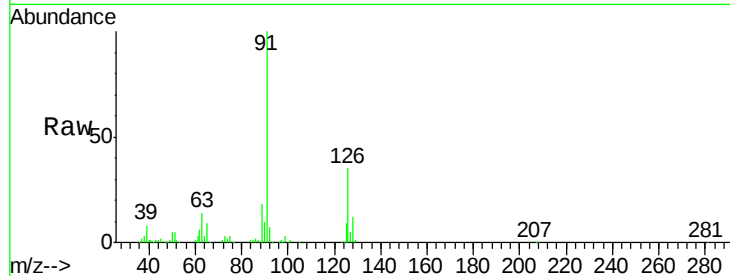




#79
 2-Chlorotoluene
 Concen: 49.256 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

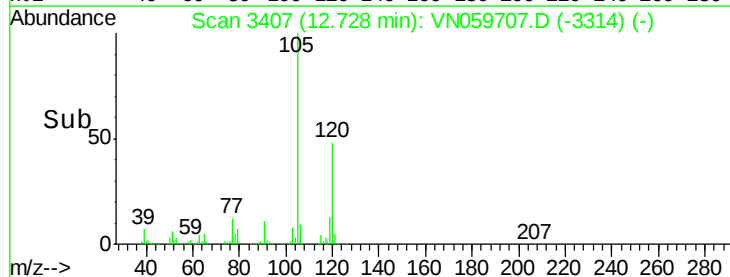
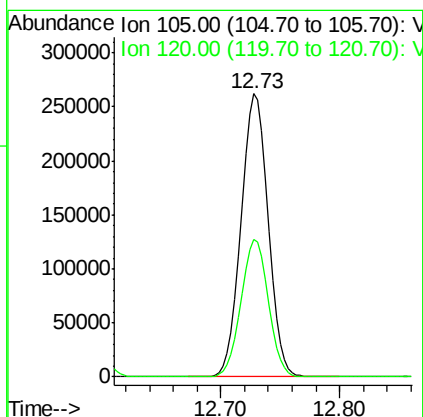
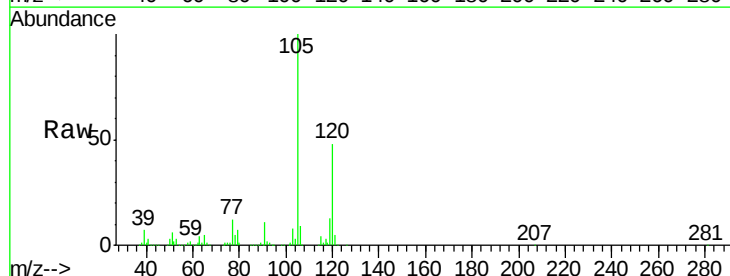
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 322696
 Ion Ratio Lower Upper
 91 100
 126 35.6 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.028 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion: 105 Resp: 412815
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.365 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

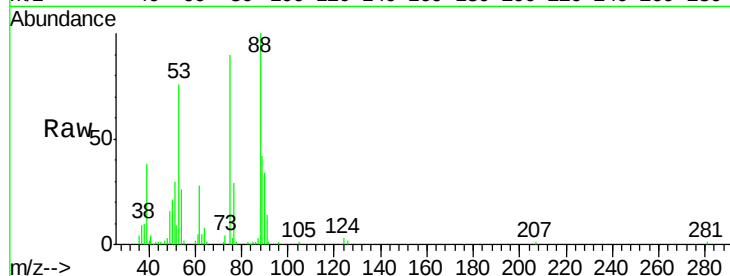
Tgt Ion: 75 Resp: 49658

Ion Ratio Lower Upper

75 100

53 87.3 78.1 117.1

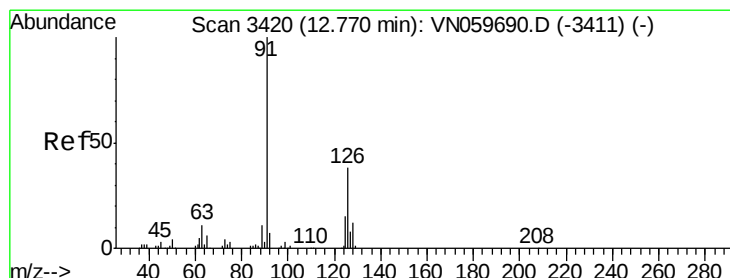
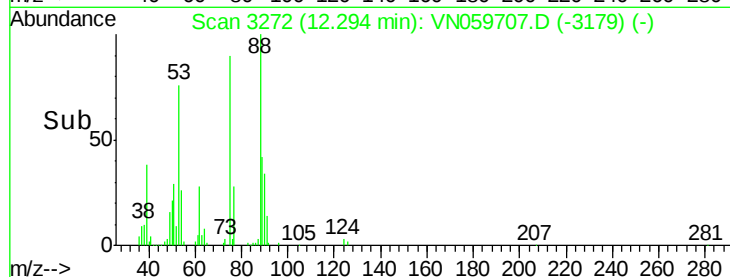
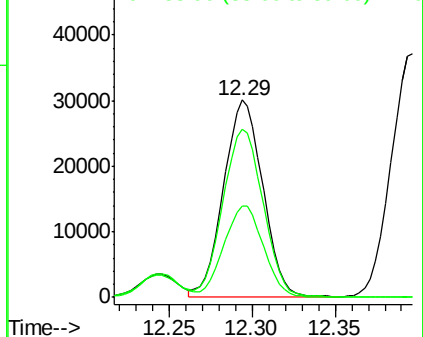
89 46.7 35.4 53.2



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: 50.747 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059707.D

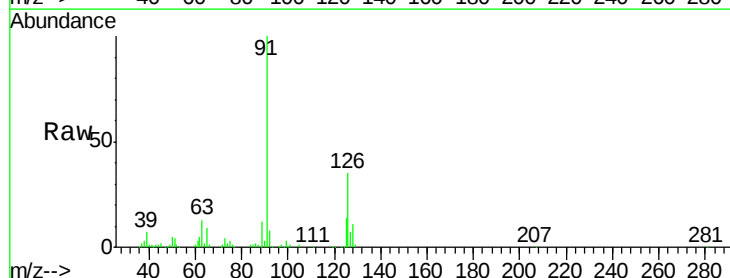
Acq: 14 Jan 2020 16:15

Tgt Ion: 91 Resp: 333468

Ion Ratio Lower Upper

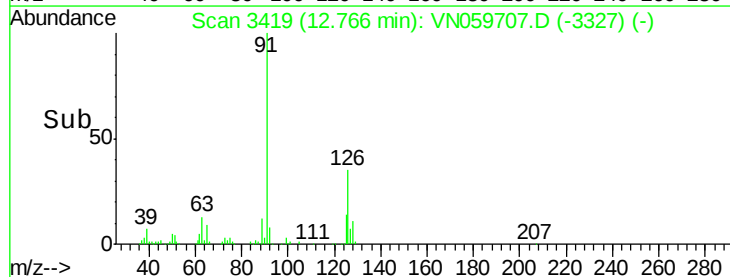
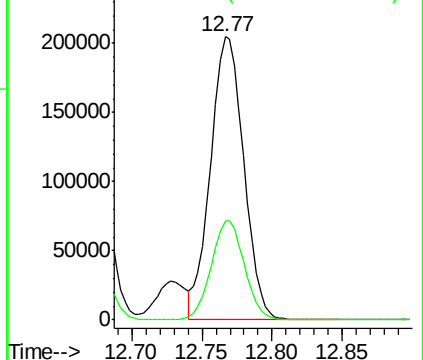
91 100

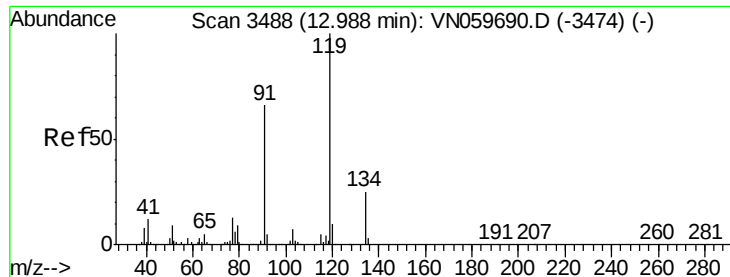
126 34.9 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

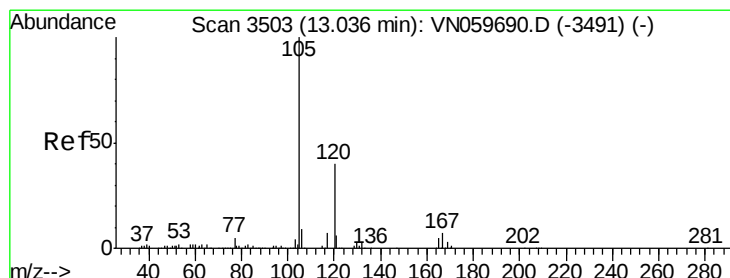
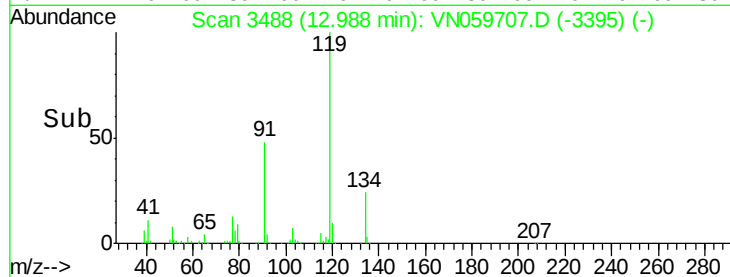
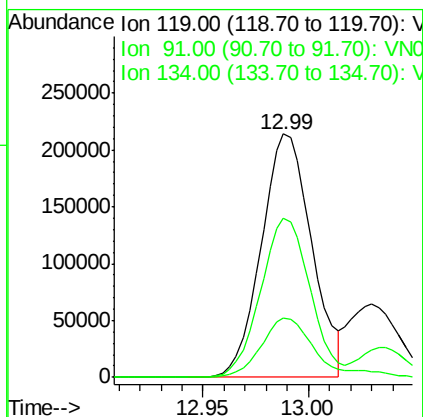
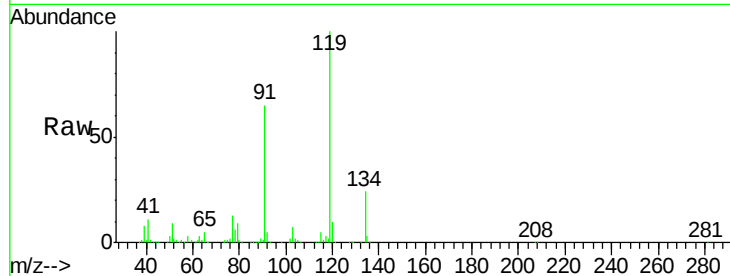




#83
 tert-Butylbenzene
 Concen: 49.862 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

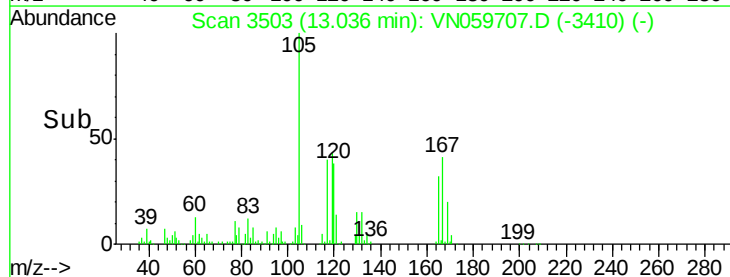
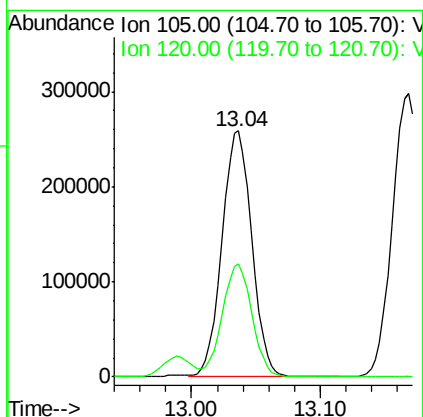
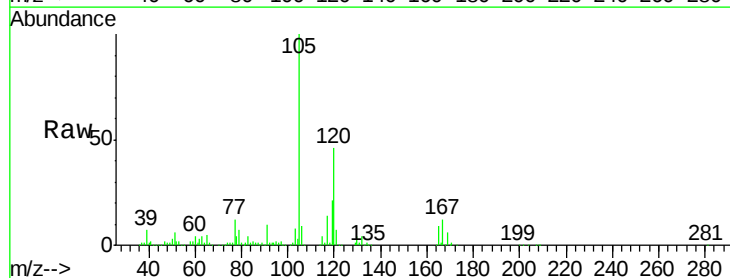
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

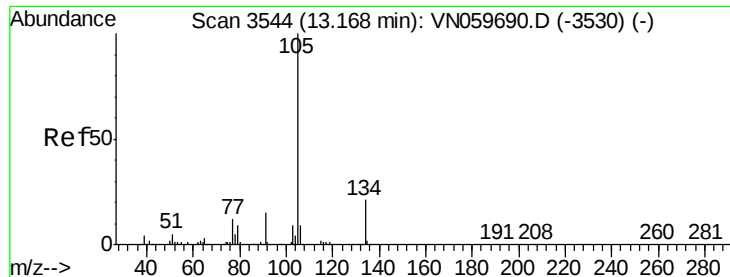
Tgt Ion:119 Resp: 355852
 Ion Ratio Lower Upper
 119 100
 91 64.3 34.8 104.4
 134 26.2 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 50.597 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion:105 Resp: 413045
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 51.082 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

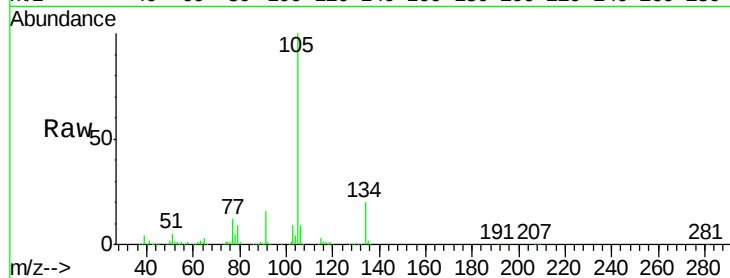
VSTDCCC050EC

Tgt Ion:105 Resp: 478973

Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

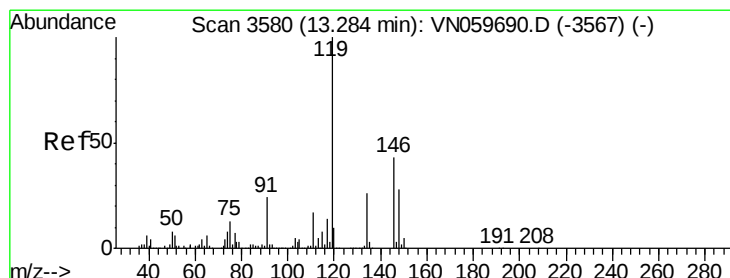
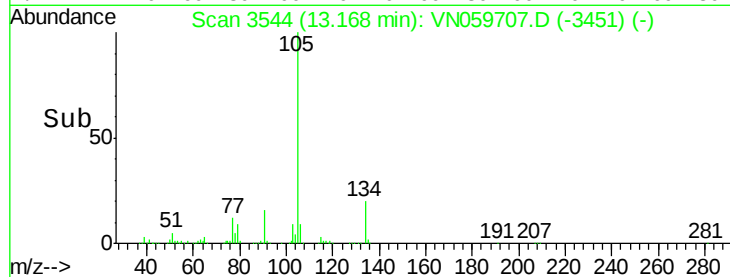
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.669 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

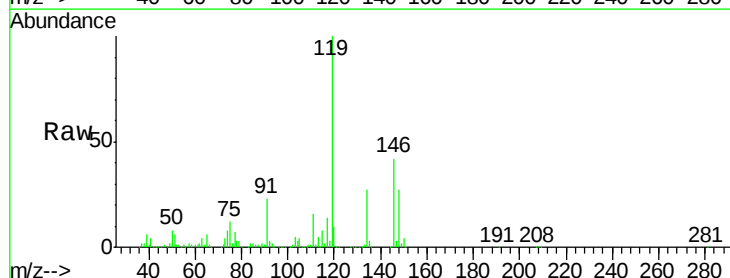
Tgt Ion:119 Resp: 439606

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.7

91 23.1 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

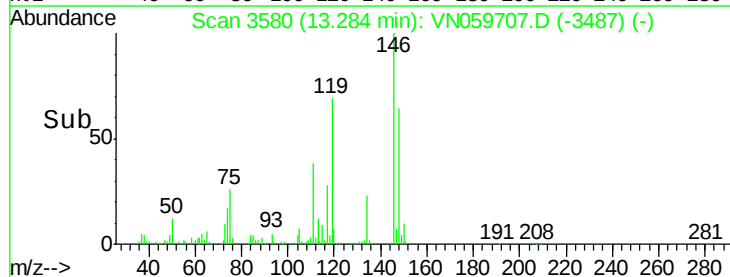
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.765 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

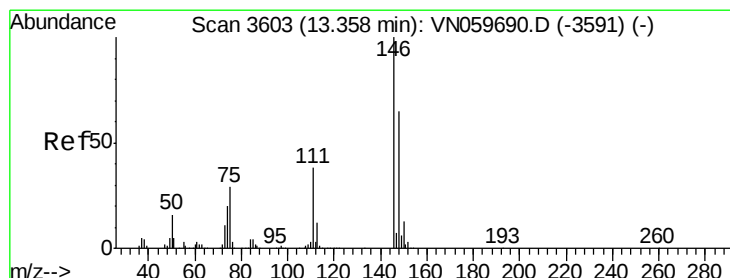
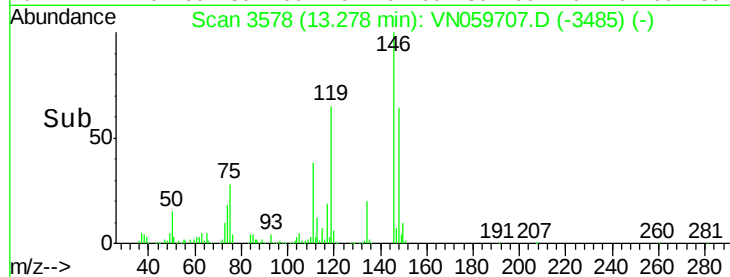
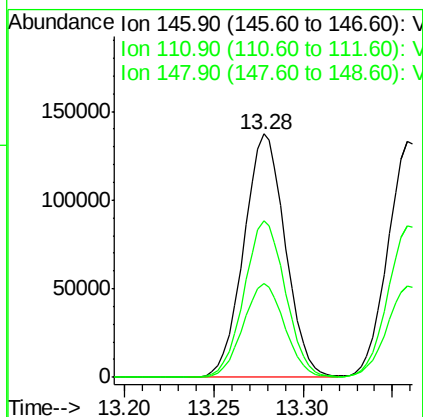
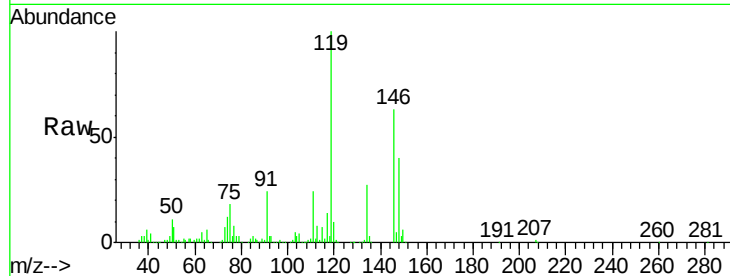
Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 223421

Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	64.0	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 51.030 ug/l

RT: 13.36 min Scan# 3603

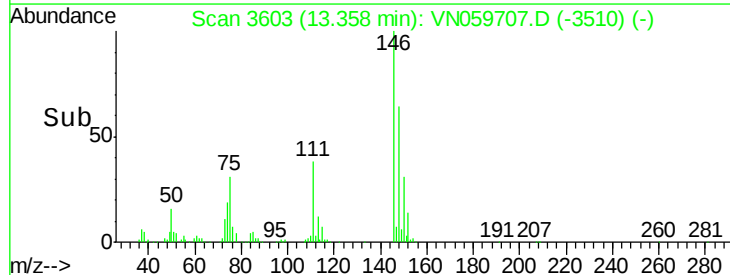
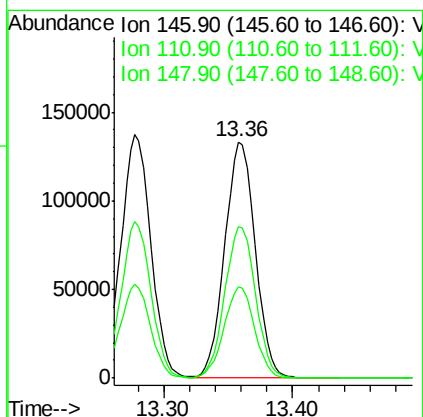
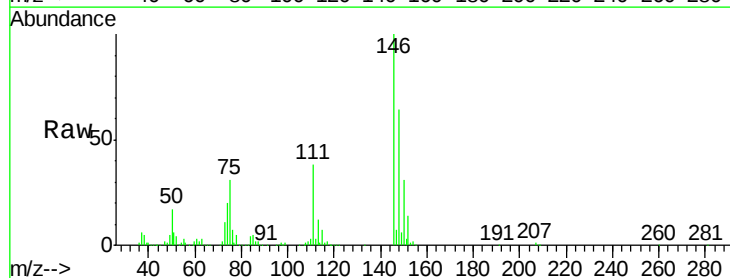
Delta R.T. 0.00 min

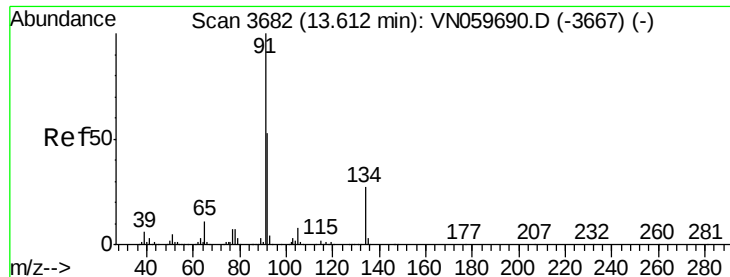
Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Tgt Ion:146 Resp: 219722

Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	64.5	31.8	95.4





#89

n-Butylbenzene

Concen: 52.306 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

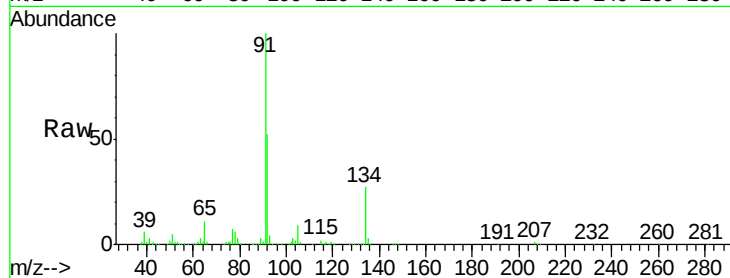
Tgt Ion: 91 Resp: 386937

Ion Ratio Lower Upper

91 100

92 52.3 25.9 77.7

134 27.2 12.3 36.8

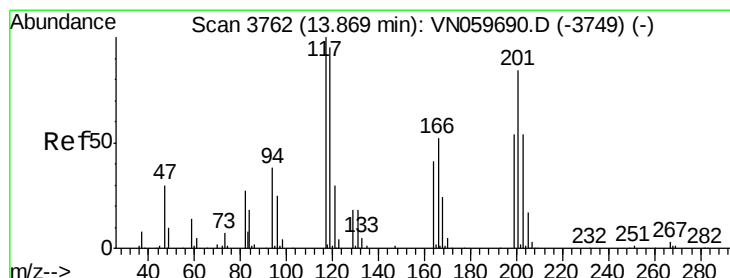
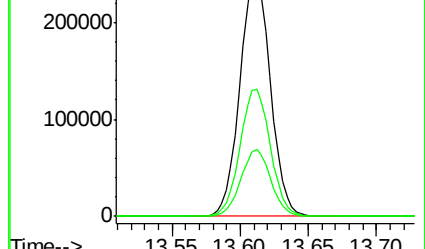
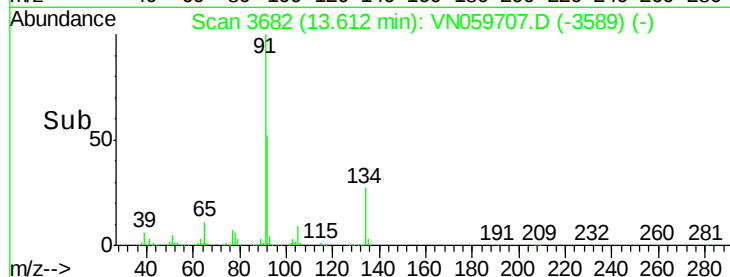


Abundance Ion 91.00 (90.70 to 91.70): VN059707.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN059707.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN059707.D (-3589) (-)

Time-->



#90

Hexachloroethane

Concen: 50.346 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. 0.00 min

Lab File: VN059707.D

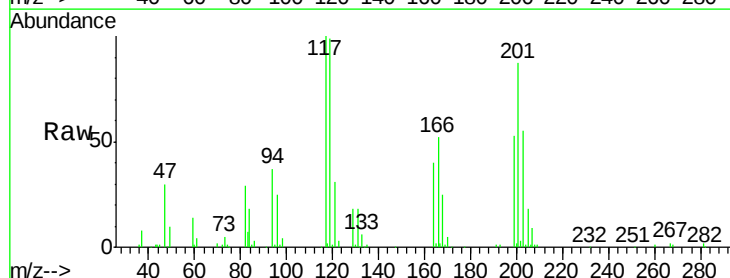
Acq: 14 Jan 2020 16:15

Tgt Ion: 117 Resp: 81726

Ion Ratio Lower Upper

117 100

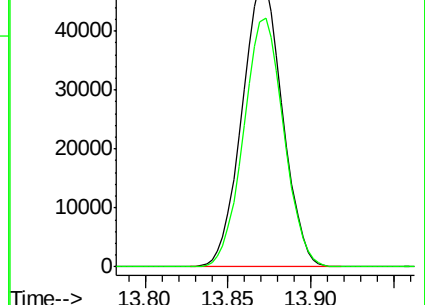
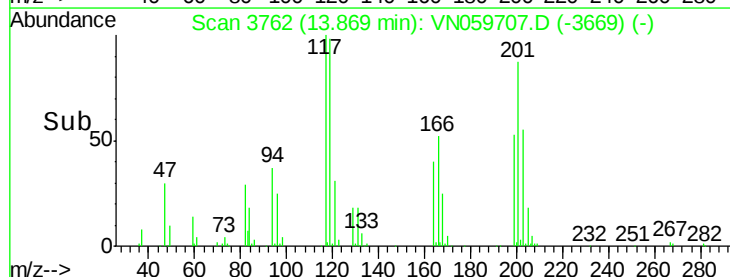
201 86.8 37.8 113.4

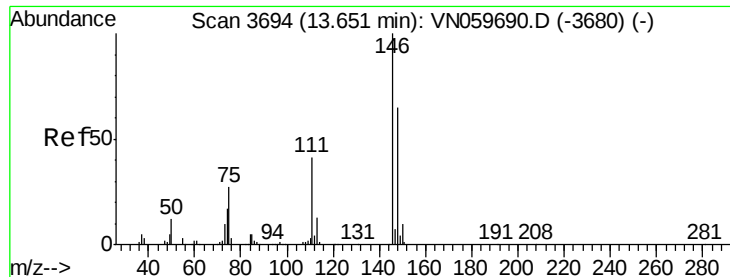


Abundance Ion 116.80 (116.50 to 117.50): VN059707.D (-3669) (-)

Ion 200.70 (200.40 to 201.40): VN059707.D (-3669) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 50.709 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

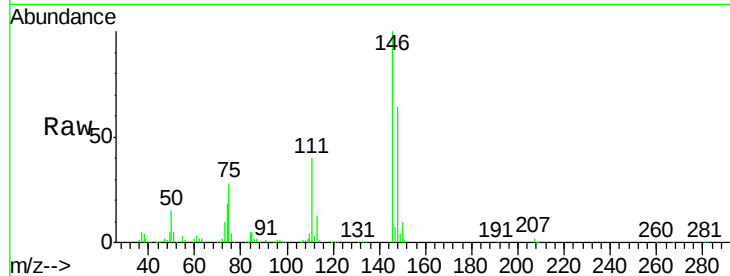
Tgt Ion:146 Resp: 216370

Ion Ratio Lower Upper

146 100

111 39.5 21.6 64.8

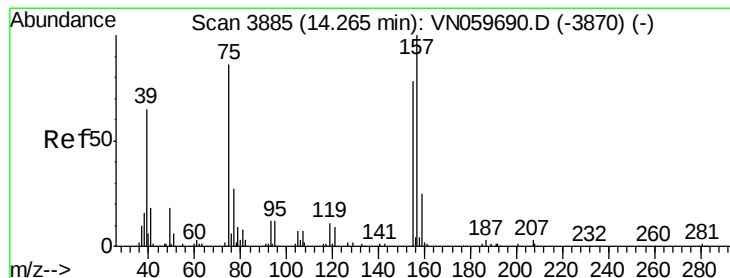
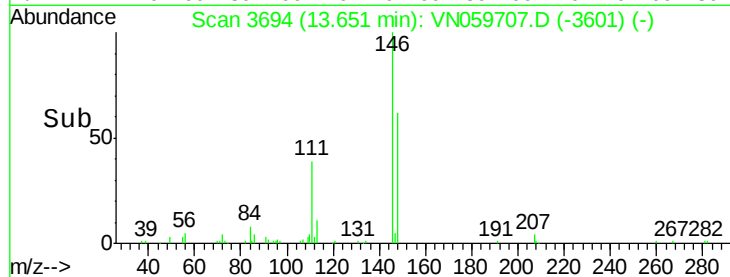
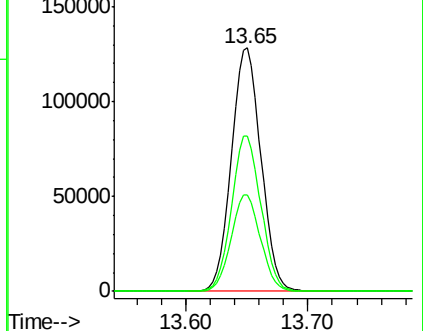
148 63.4 31.6 95.0



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: 46.094 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

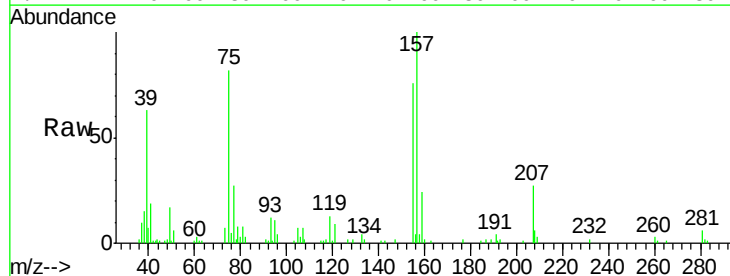
Tgt Ion: 75 Resp: 28241

Ion Ratio Lower Upper

75 100

155 89.5 37.0 110.9

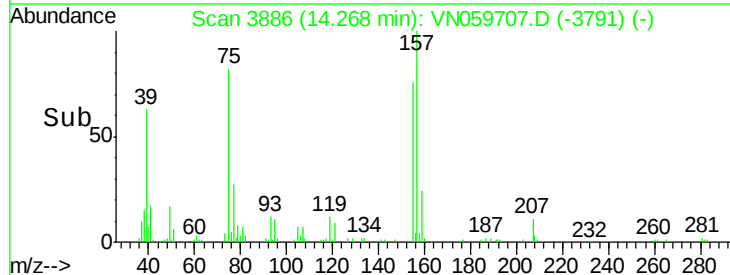
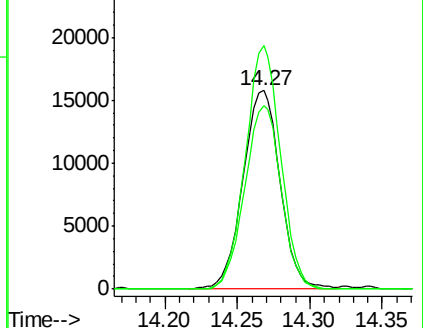
157 115.8 48.4 145.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

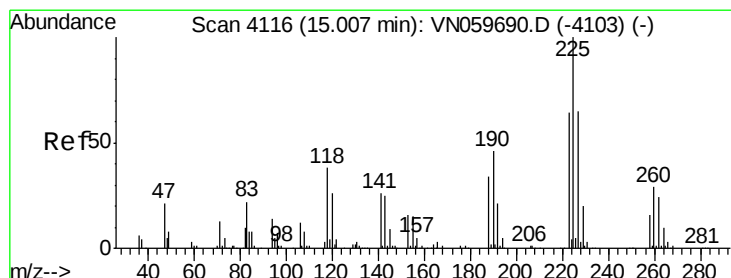
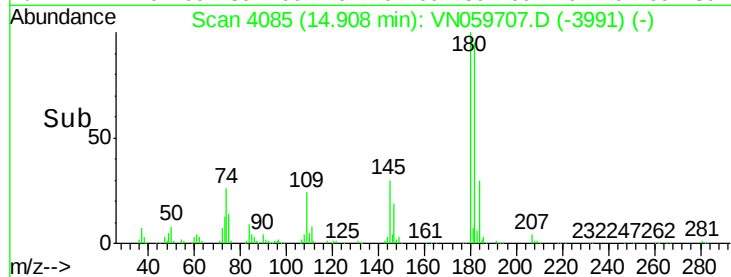
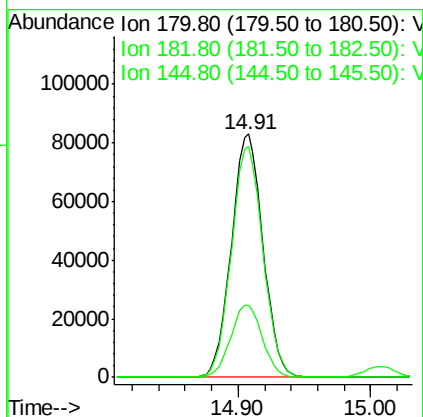
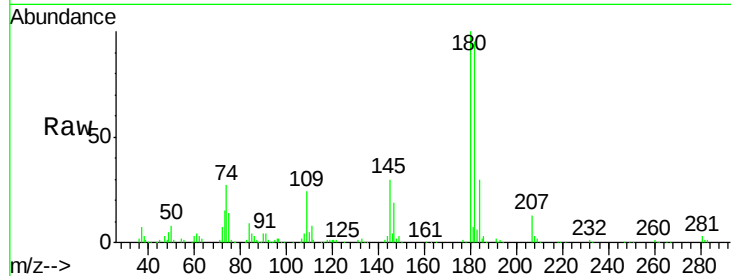




#93
 1,2,4-Trichlorobenzene
 Concen: 53.463 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

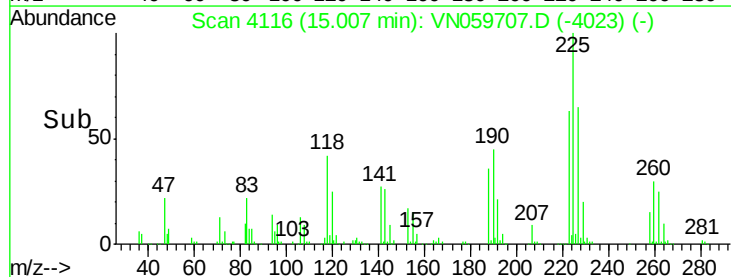
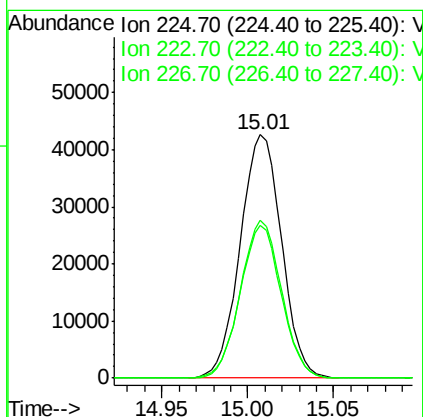
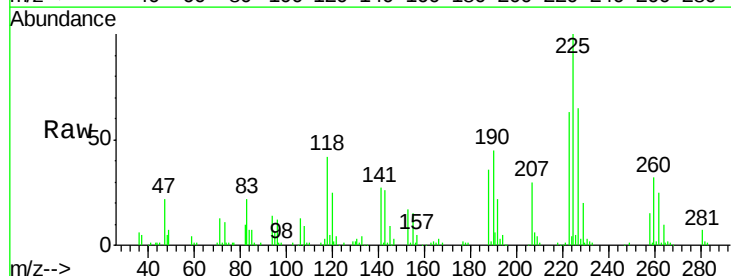
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 137074
 Ion Ratio Lower Upper
 180 100
 182 95.2 46.9 140.7
 145 29.9 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 50.363 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059707.D
 Acq: 14 Jan 2020 16:15

Tgt Ion:225 Resp: 71157
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.8 95.3
 227 64.2 32.1 96.5





#95

Naphthalene

Concen: 49.824 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

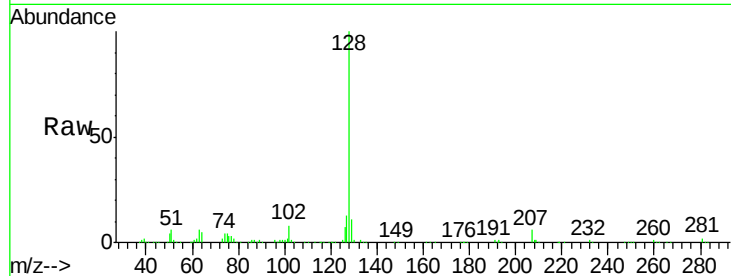
Tgt Ion:128 Resp: 363353

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

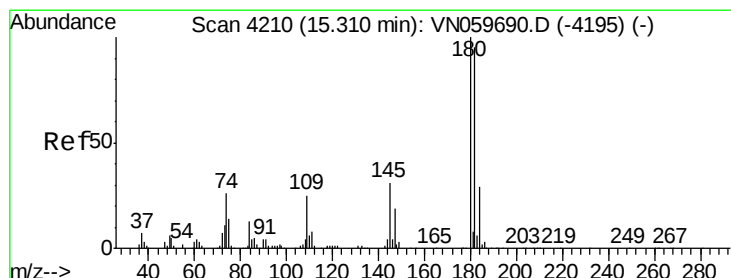
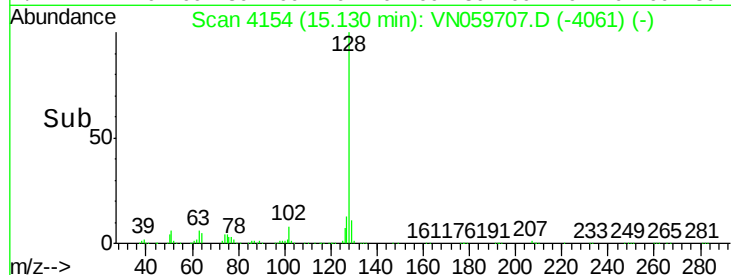
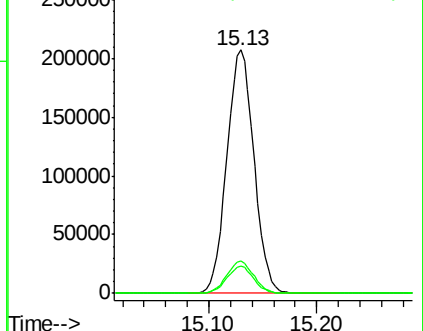
129 10.9 8.6 12.8



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: 51.415 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059707.D

Acq: 14 Jan 2020 16:15

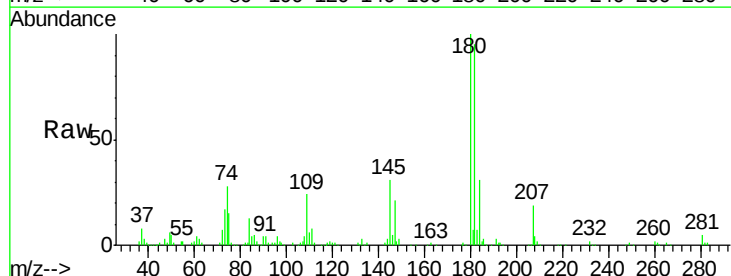
Tgt Ion:180 Resp: 128312

Ion Ratio Lower Upper

180 100

182 94.7 47.4 142.3

145 31.8 16.3 48.9



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

