

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
 Data File : VN059581.D
 Acq On : 12 Dec 2019 18:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 13 04:09:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	256835	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	409573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	375092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	184466	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	193381	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	7.57	113	135743	55.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.08%	
50) Toluene-d8	10.08	98	534637	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	12.40	95	194524	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	123279	41.615	ug/l	98
3) Chloromethane	2.04	50	201597	44.956	ug/l	99
4) Vinyl Chloride	2.17	62	200636	45.393	ug/l	99
5) Bromomethane	2.50	94	90007	33.432	ug/l	98
6) Chloroethane	2.66	64	117285	44.437	ug/l	95
7) Trichlorofluoromethane	2.98	101	237938	45.032	ug/l	98
8) Diethyl Ether	3.38	74	73617	40.655	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	116925	42.521	ug/l	98
10) Methyl Iodide	3.92	142	152320	40.909	ug/l	99
11) Tert butyl alcohol	4.75	59	110118	185.431	ug/l	100
12) 1,1-Dichloroethene	3.71	96	112013	41.903	ug/l	98
13) Acrolein	3.58	56	63678	220.351	ug/l	100
14) Allyl chloride	4.29	41	223060	43.377	ug/l	99
15) Acrylonitrile	4.95	53	355512	226.983	ug/l	99
16) Acetone	3.79	43	313758	187.112	ug/l	100
17) Carbon Disulfide	4.02	76	342915	40.354	ug/l	99
18) Methyl Acetate	4.29	43	191821	43.571	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	411967	46.362	ug/l	98
20) Methylene Chloride	4.52	84	133979	44.307	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	125368	43.696	ug/l	97
22) Diisopropyl ether	5.92	45	443518	45.306	ug/l	97
23) Vinyl Acetate	5.86	43	1935297	236.993	ug/l	100
24) 1,1-Dichloroethane	5.81	63	250190	45.014	ug/l	99
25) 2-Butanone	6.80	43	491449	217.736	ug/l	100
26) 2,2-Dichloropropane	6.79	77	216809	43.178	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	143170	44.365	ug/l	99
28) Bromochloromethane	7.17	49	102709	48.502	ug/l	98
29) Tetrahydrofuran	7.18	42	332637	211.871	ug/l	100
30) Chloroform	7.35	83	246225	44.887	ug/l	97
31) Cyclohexane	7.63	56	221775	41.002	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	219448	45.095	ug/l	99
36) 1,1-Dichloropropene	7.77	75	187883	44.712	ug/l	99
37) Ethyl Acetate	6.90	43	209747	43.026	ug/l	100
38) Carbon Tetrachloride	7.75	117	191250	46.175	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
 Data File : VN059581.D
 Acq On : 12 Dec 2019 18:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Dec 13 04:09:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	212597	45.104	ug/l	99
40) Benzene	8.02	78	539584	44.950	ug/l	99
41) Methacrylonitrile	7.18	41	304937	149.326	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	209561	46.855	ug/l	99
43) Isopropyl Acetate	8.14	43	334322	46.090	ug/l	99
44) Trichloroethene	8.82	130	138866	45.790	ug/l	98
45) 1,2-Dichloropropane	9.10	63	146650	46.116	ug/l	99
46) Dibromomethane	9.19	93	94986	45.197	ug/l	99
47) Bromodichloromethane	9.39	83	194324	46.525	ug/l	100
48) Methyl methacrylate	9.18	41	153789	48.489	ug/l	98
49) 1,4-Dioxane	9.19	88	30648	755.258	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1019652	221.145	ug/l	99
52) Toluene	10.14	92	329039	46.004	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	227025	46.651	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	235786	47.340	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	132301	45.736	ug/l	99
56) Ethyl methacrylate	10.42	69	202803	41.094	ug/l	100
57) 1,3-Dichloropropane	10.70	76	233381	47.239	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	216734	182.893	ug/l	100
59) 2-Hexanone	10.74	43	775101	220.447	ug/l	100
60) Dibromochloromethane	10.90	129	146284	42.531	ug/l	99
61) 1,2-Dibromoethane	11.00	107	138438	45.971	ug/l	99
64) Tetrachloroethene	10.62	164	124675	45.479	ug/l	97
65) Chlorobenzene	11.43	112	346720	44.115	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	133300	45.475	ug/l	100
67) Ethyl Benzene	11.51	91	637878	45.102	ug/l	99
68) m/p-Xylenes	11.62	106	474111	89.363	ug/l	99
69) o-Xylene	11.94	106	223248	45.209	ug/l	96
70) Styrene	11.96	104	363022	44.374	ug/l	97
71) Bromoform	12.12	173	104984	45.518	ug/l #	100
73) Isopropylbenzene	12.25	105	606009	43.796	ug/l	100
74) N-amyl acetate	12.07	43	291797	48.412	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	197388	42.099	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	284117	60.229	ug/l #	100
77) Bromobenzene	12.52	156	143535	41.667	ug/l	92
78) n-propylbenzene	12.59	91	720331	42.364	ug/l	99
79) 2-Chlorotoluene	12.67	91	422584	41.679	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	513537	43.280	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	75395	43.001	ug/l #	86
82) 4-Chlorotoluene	12.77	91	442146	42.648	ug/l	99
83) tert-Butylbenzene	12.99	119	431103	43.569	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	516587	44.092	ug/l	100
85) sec-Butylbenzene	13.17	105	584237	42.988	ug/l	99
86) p-Isopropyltoluene	13.29	119	533695	43.936	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	263905	41.593	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	266369	42.875	ug/l	99
89) n-Butylbenzene	13.61	91	497235	43.595	ug/l	99
90) Hexachloroethane	13.87	117	96896	43.435	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	263463	44.247	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47194	44.150	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
Data File : VN059581.D
Acq On : 12 Dec 2019 18:01
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 13 04:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

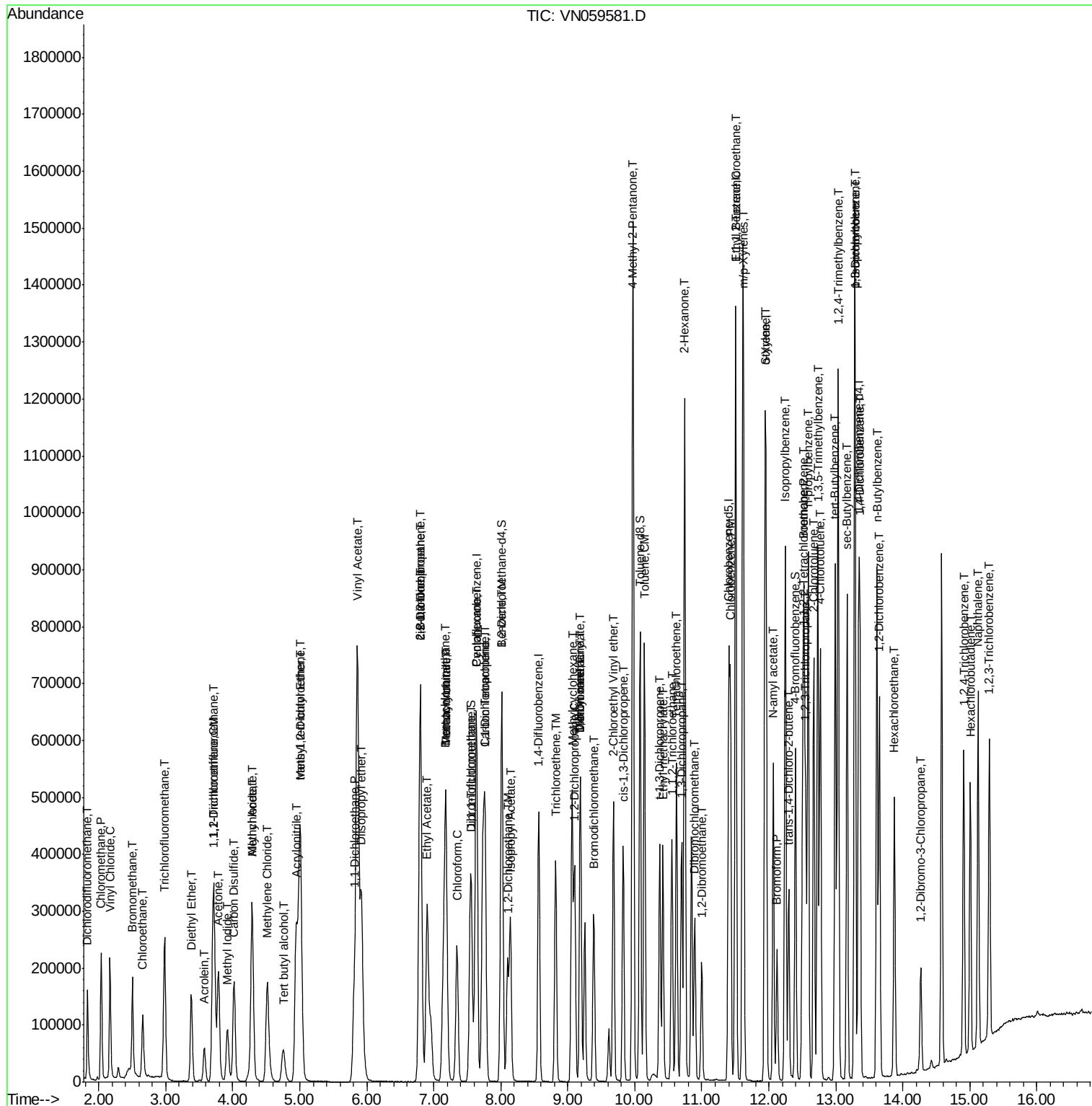
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	163209	39.630	ug/l	100
94) Hexachlorobutadiene	15.01	225	83759	39.810	ug/l	99
95) Naphthalene	15.12	128	483505	40.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	159250	40.196	ug/l	99

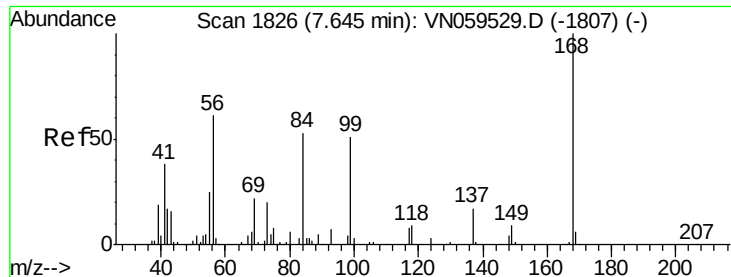
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
Data File : VN059581.D
Acq On : 12 Dec 2019 18:01
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 13 04:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

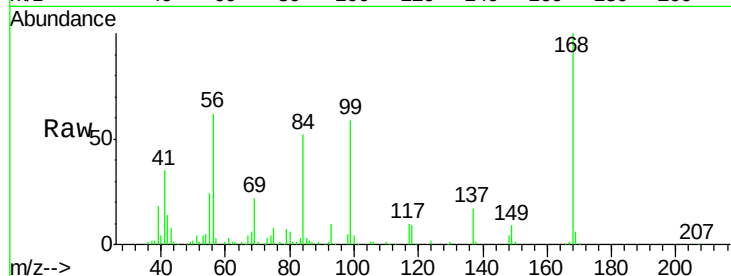
VSTDCCC050EC

Tgt Ion:168 Resp: 256835

Ion Ratio Lower Upper

168 100

99 59.2 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

40000

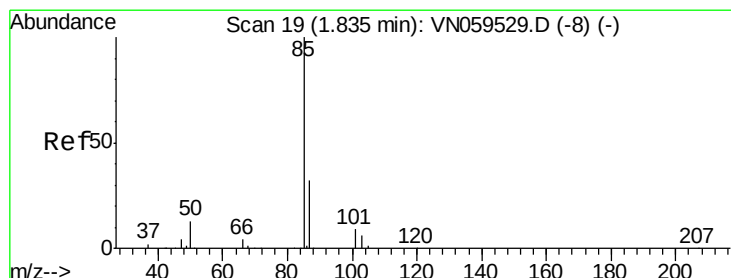
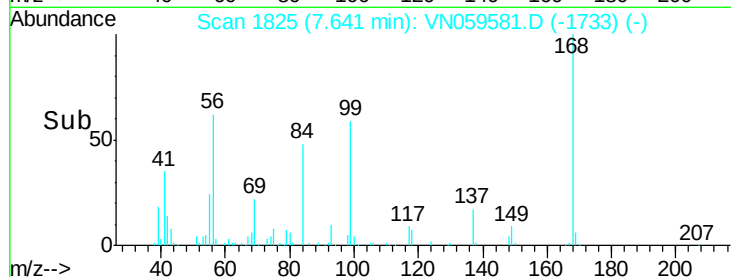
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 41.615 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059581.D

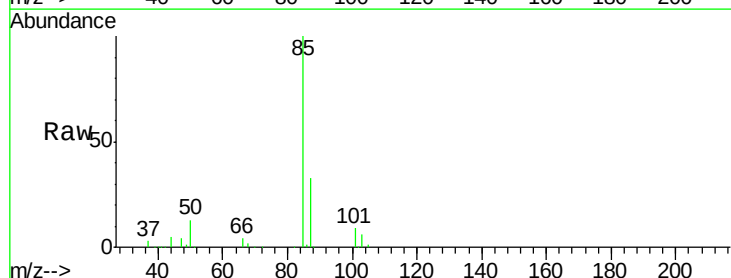
Acq: 12 Dec 2019 18:01

Tgt Ion: 85 Resp: 123279

Ion Ratio Lower Upper

85 100

87 32.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

60000

40000

20000

0

1.75

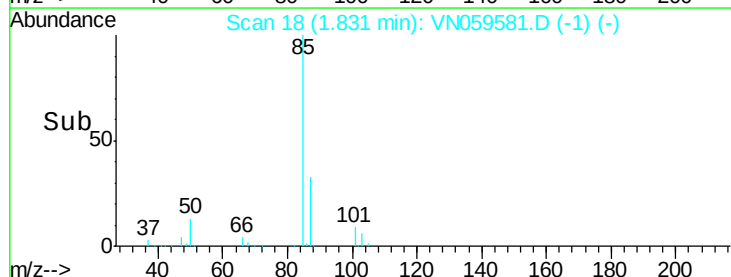
1.80

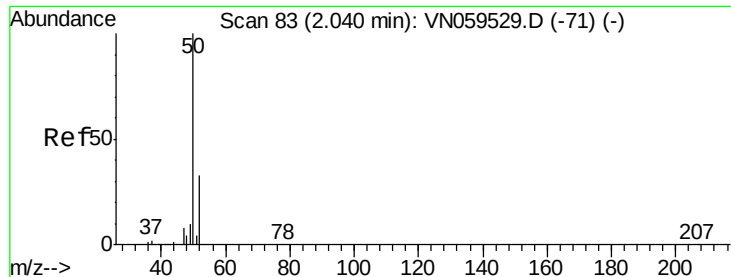
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 44.956 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

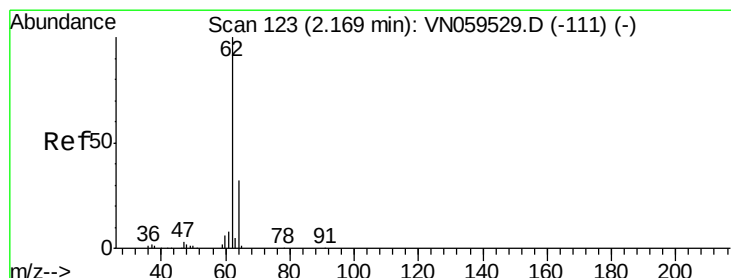
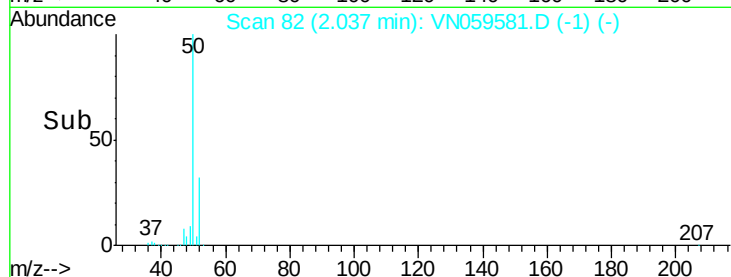
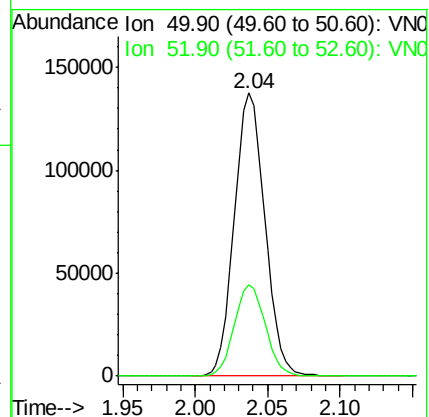
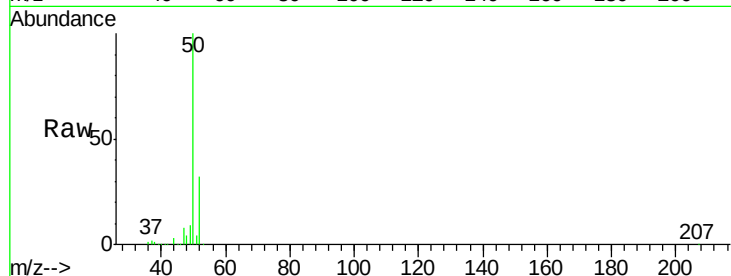
VSTDCCC050EC

Tgt Ion: 50 Resp: 201597

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.4



#4

Vinyl Chloride

Concen: 45.393 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059581.D

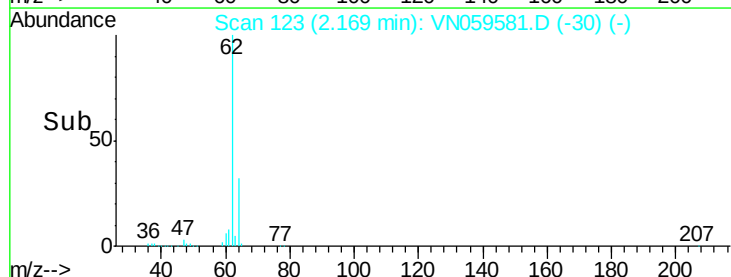
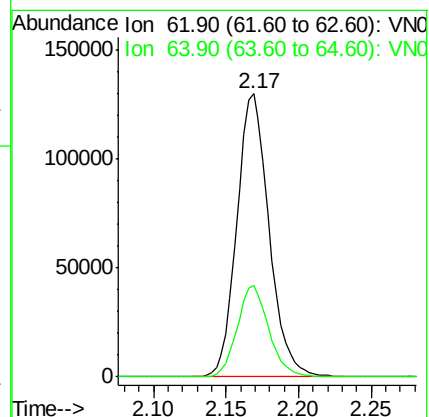
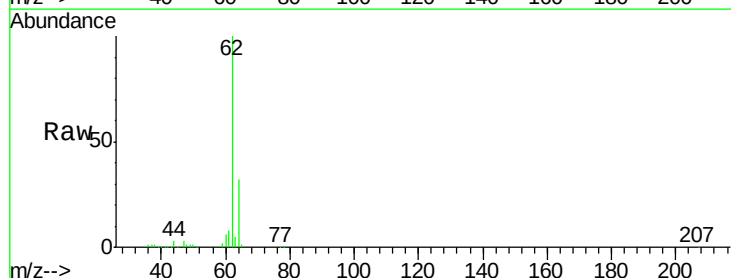
Acq: 12 Dec 2019 18:01

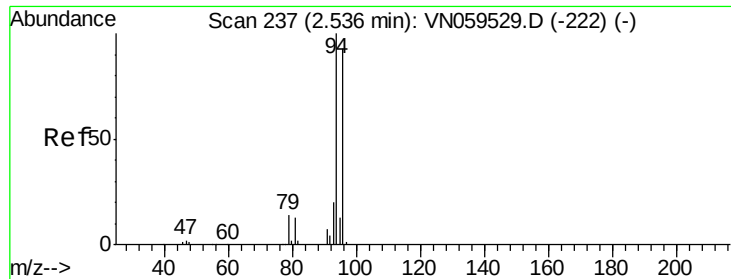
Tgt Ion: 62 Resp: 200636

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 33.432 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.03 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

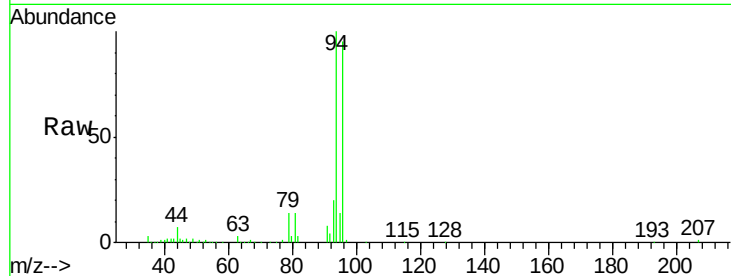
VSTDCCC050EC

Tgt Ion: 94 Resp: 90007

Ion Ratio Lower Upper

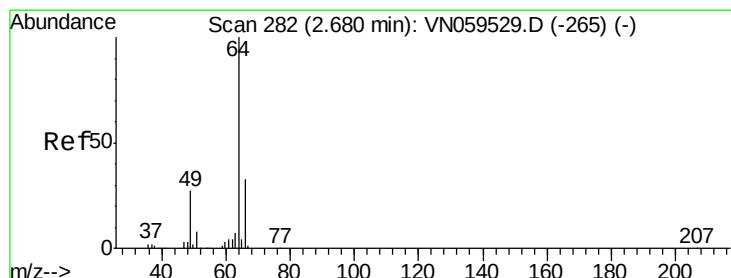
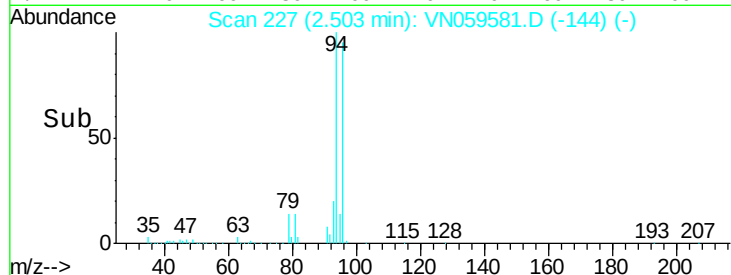
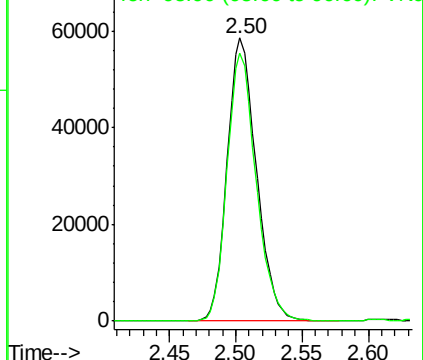
94 100

96 94.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.437 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.02 min

Lab File: VN059581.D

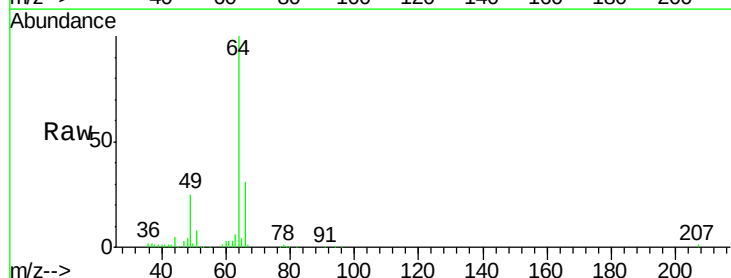
Acq: 12 Dec 2019 18:01

Tgt Ion: 64 Resp: 117285

Ion Ratio Lower Upper

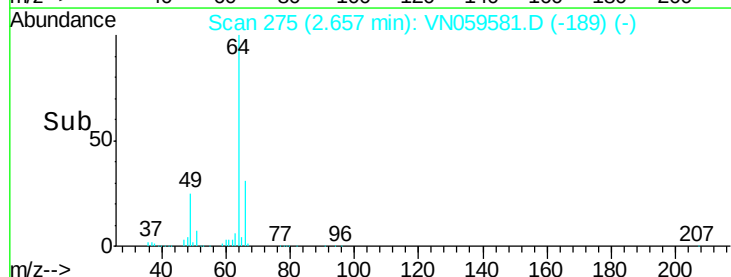
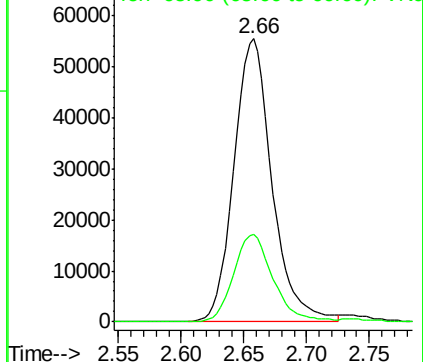
64 100

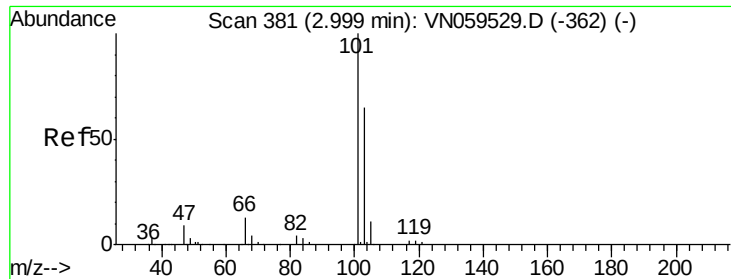
66 30.8 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



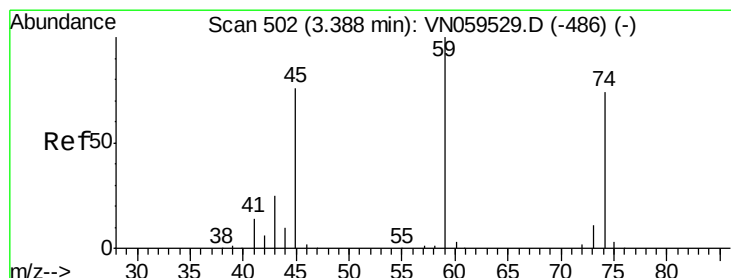
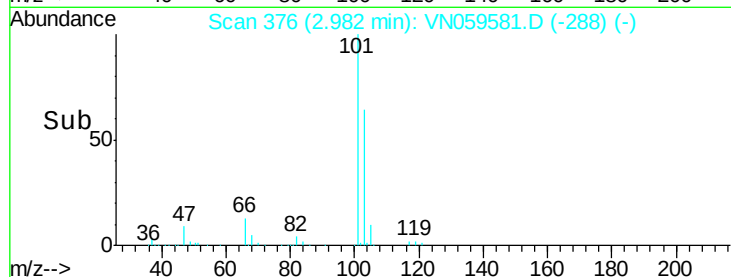
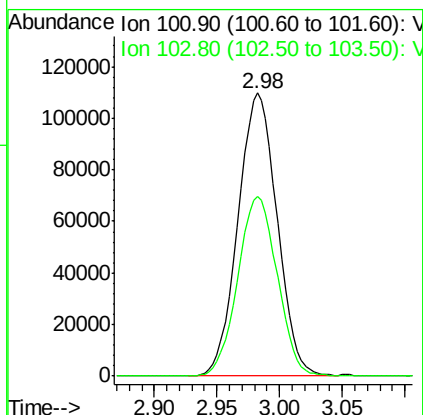
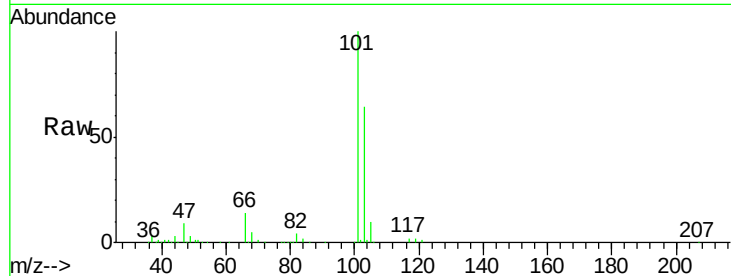


#7

Trichlorofluoromethane
 Concen: 45.032 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.02 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

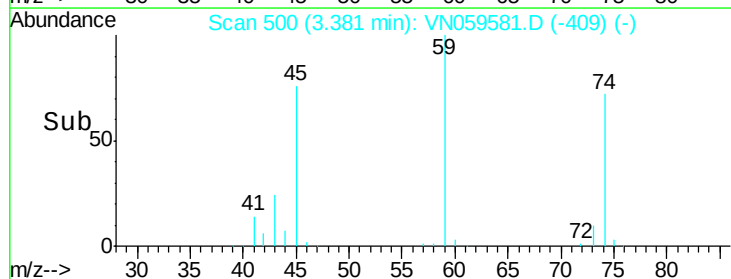
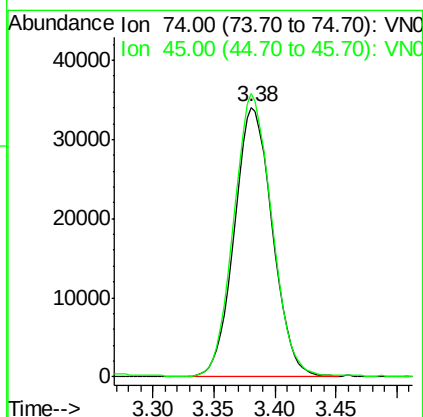
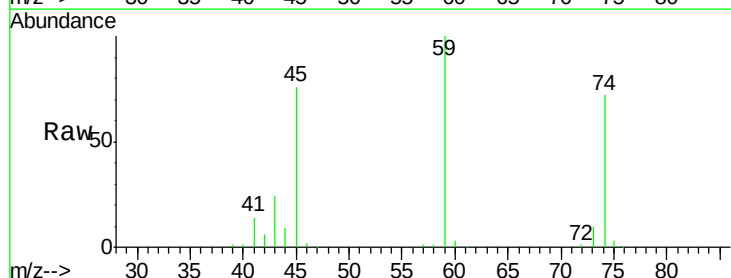
Tgt Ion: 101 Resp: 237938
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.2 78.4

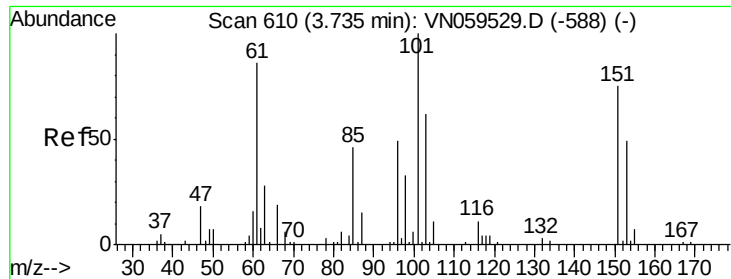


#8

Diethyl Ether
 Concen: 40.655 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion: 74 Resp: 73617
 Ion Ratio Lower Upper
 74 100
 45 105.6 52.6 157.9

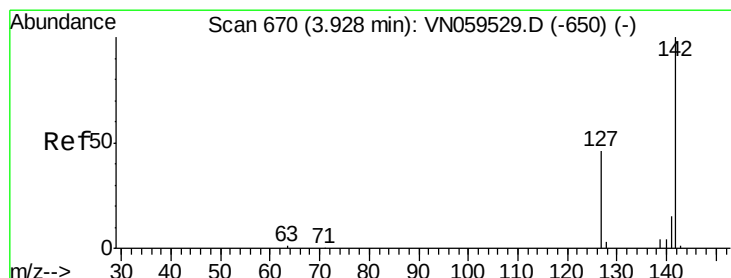
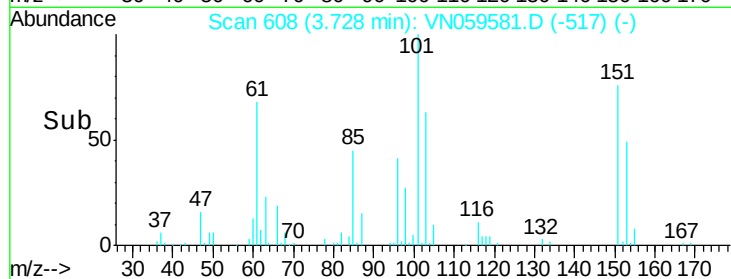
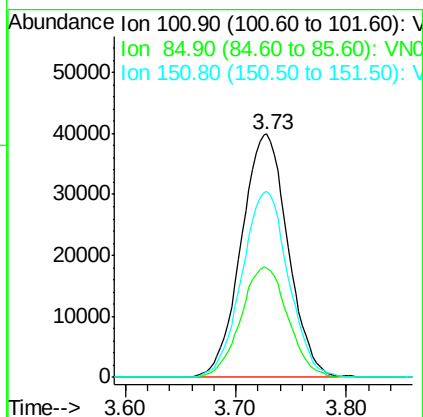
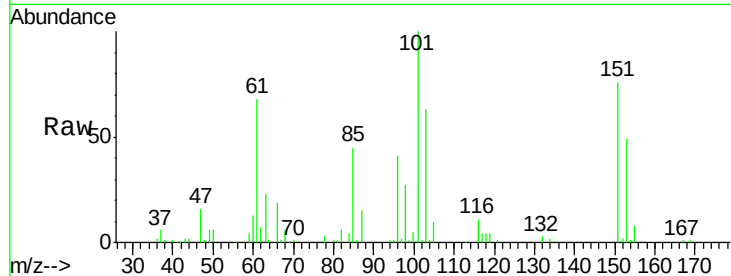




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 42.521 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

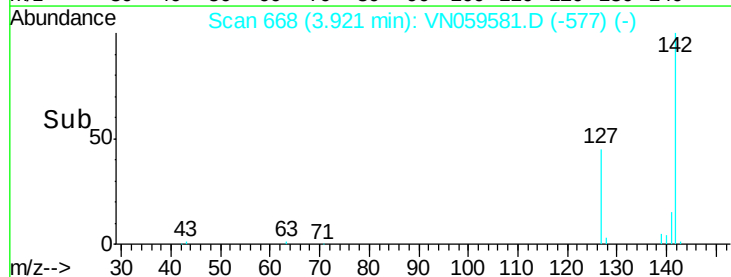
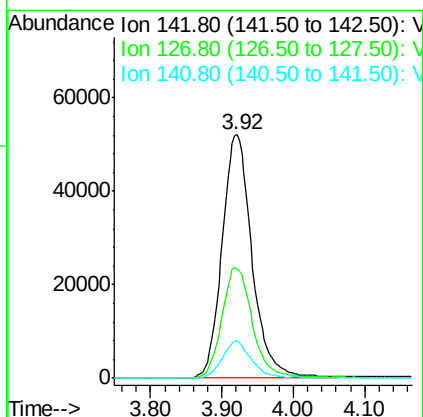
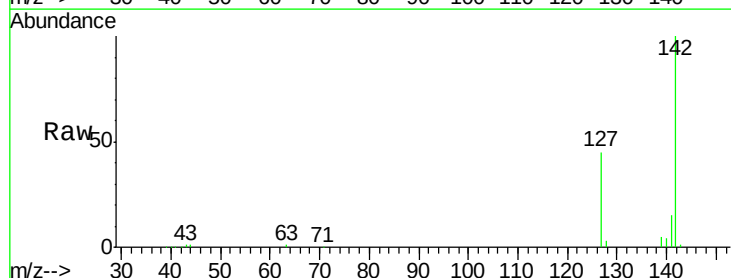
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

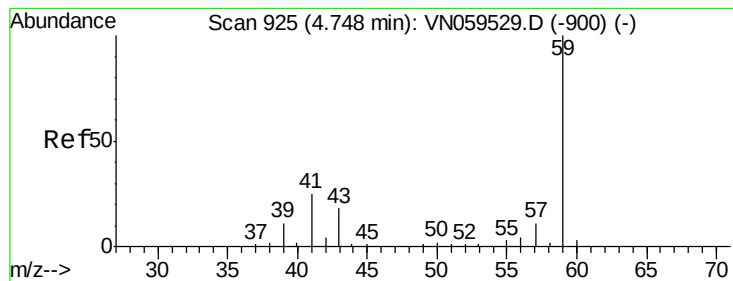
Tgt Ion:101 Resp: 116925
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.6 54.8
 151 76.4 59.3 88.9



#10
 Methyl Iodide
 Concen: 40.909 ug/l
 RT: 3.92 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion:142 Resp: 152320
 Ion Ratio Lower Upper
 142 100
 127 46.4 36.6 54.8
 141 14.5 11.6 17.4



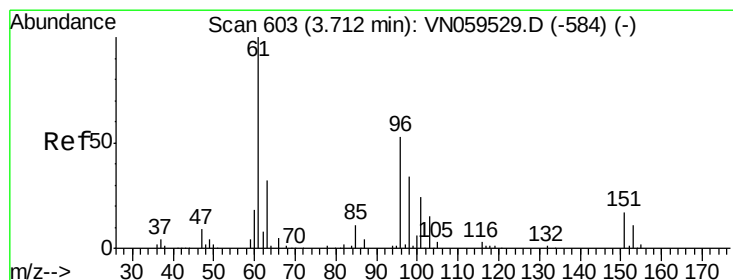
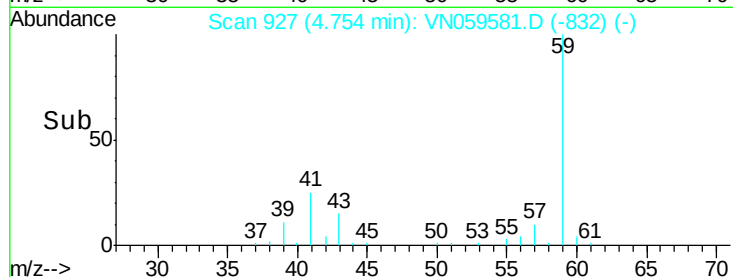
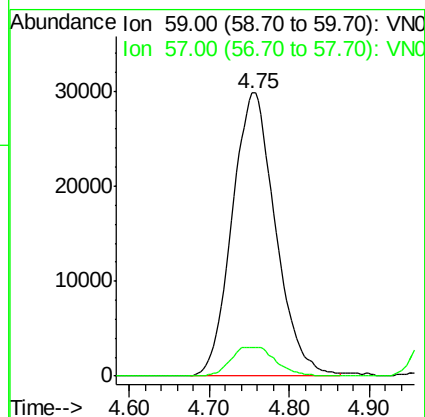
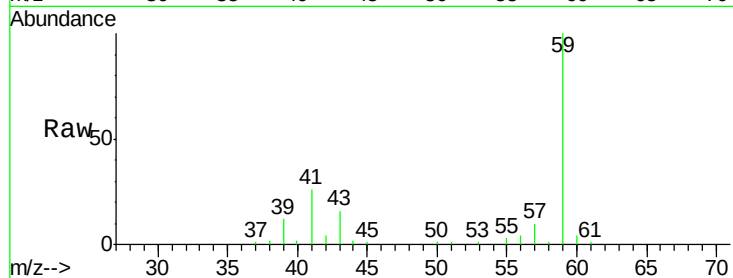


#11

Tert butyl alcohol
 Concen: 185.431 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.01 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

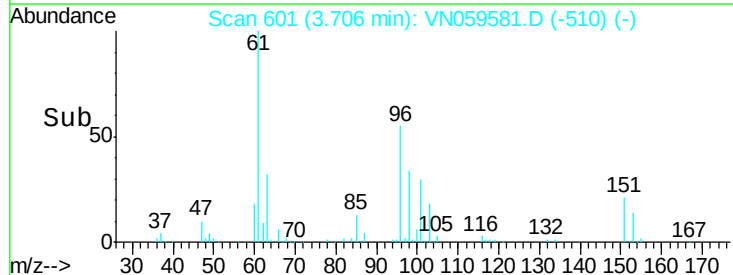
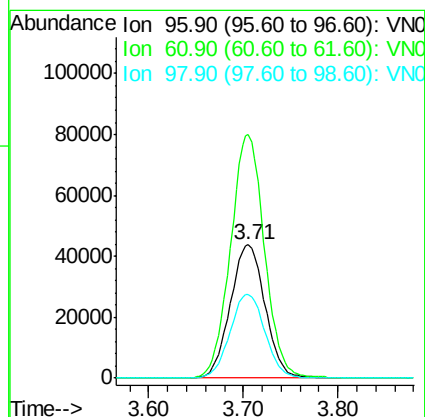
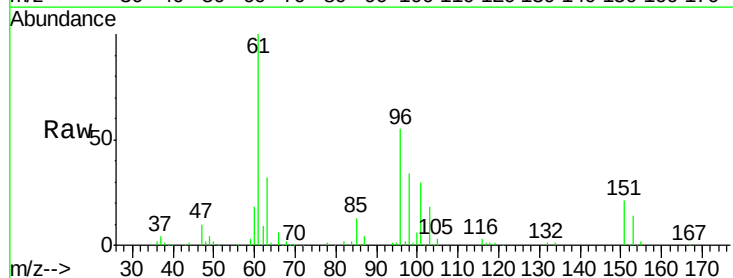
Tgt Ion: 59 Resp: 110118
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 13.0

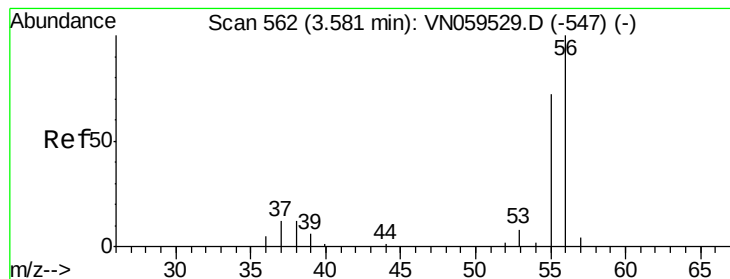


#12

1,1-Dichloroethene
 Concen: 41.903 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion: 96 Resp: 112013
 Ion Ratio Lower Upper
 96 100
 61 183.2 149.8 224.6
 98 62.8 50.6 75.8





#13

Acrolein

Concen: 220.351 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

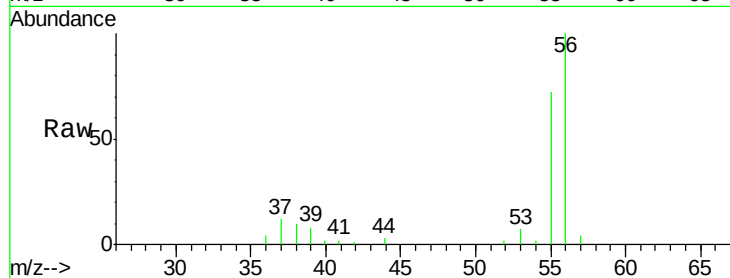
VSTDCCC050EC

Tgt Ion: 56 Resp: 63678

Ion Ratio Lower Upper

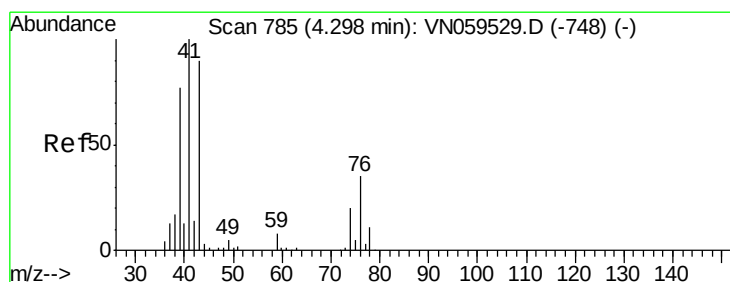
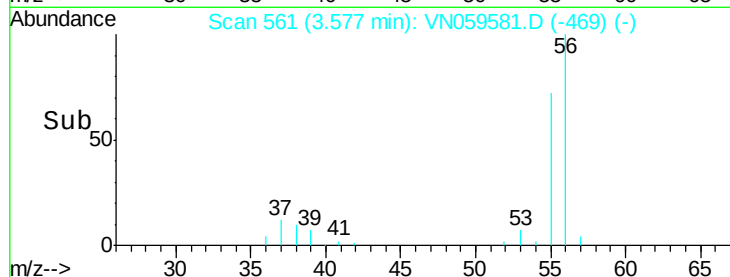
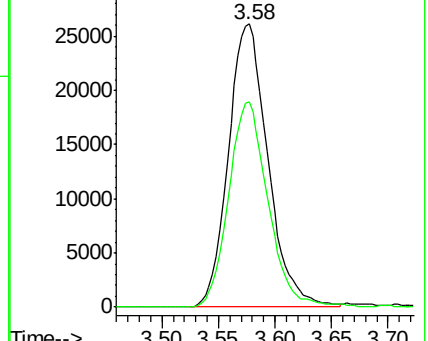
56 100

55 71.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.377 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

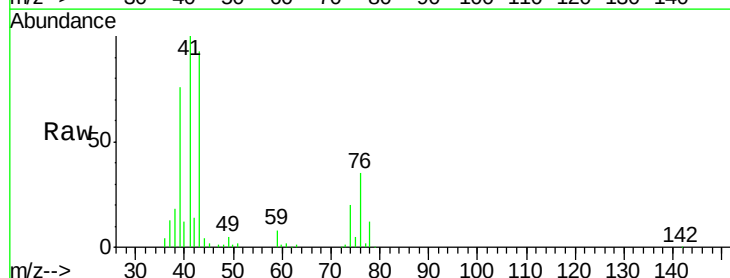
Tgt Ion: 41 Resp: 223060

Ion Ratio Lower Upper

41 100

39 71.9 56.7 85.1

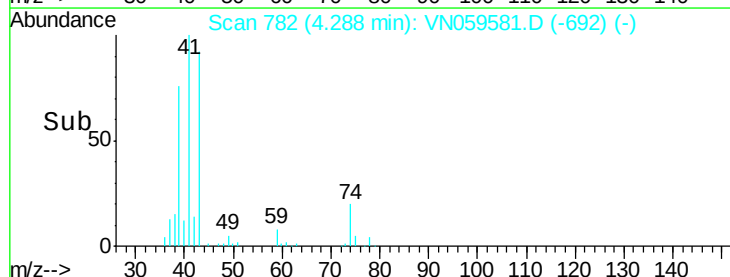
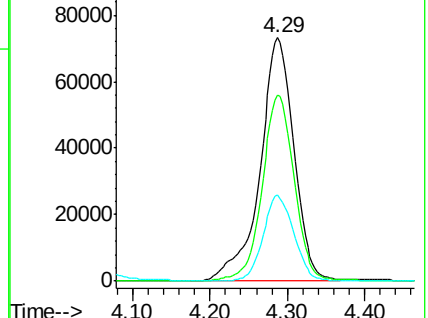
76 32.0 25.5 38.3

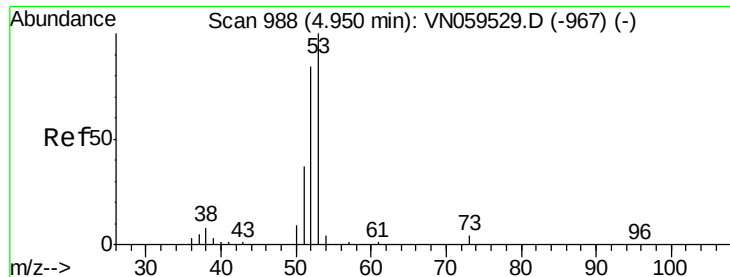


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 226.983 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

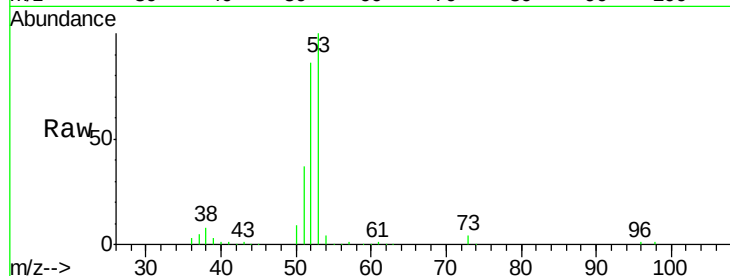
Tgt Ion: 53 Resp: 35512

Ion Ratio Lower Upper

53 100

52 82.4 66.6 99.8

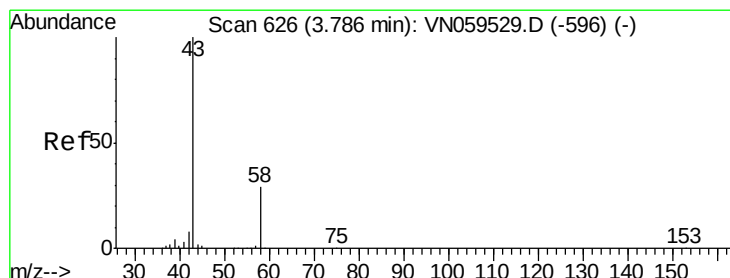
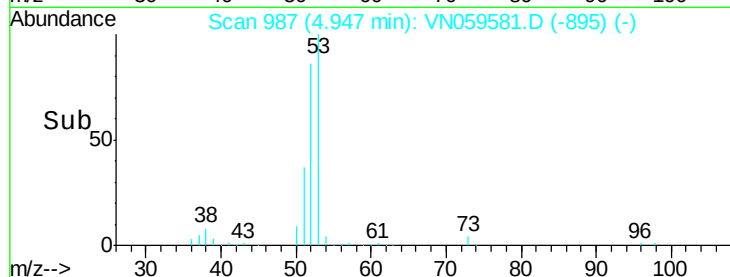
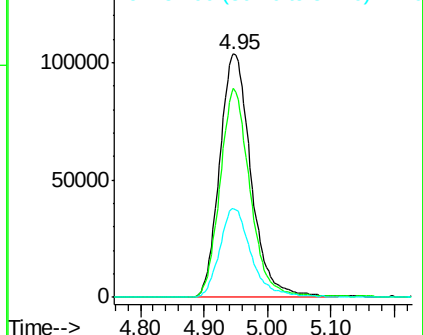
51 36.7 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 187.112 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059581.D

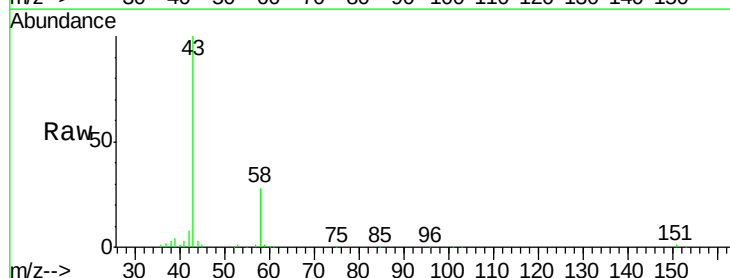
Acq: 12 Dec 2019 18:01

Tgt Ion: 43 Resp: 313758

Ion Ratio Lower Upper

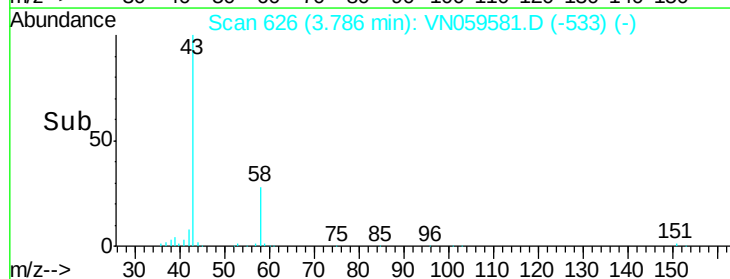
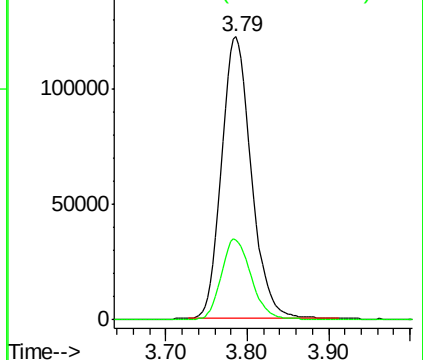
43 100

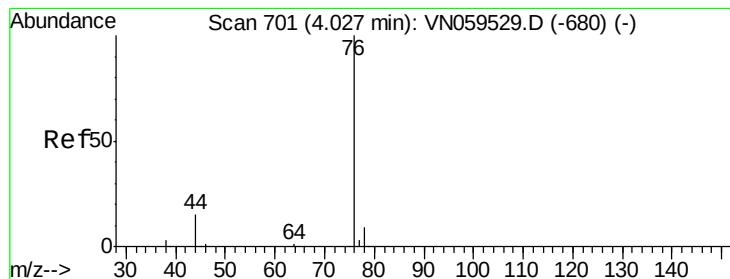
58 28.5 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 40.354 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.01 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

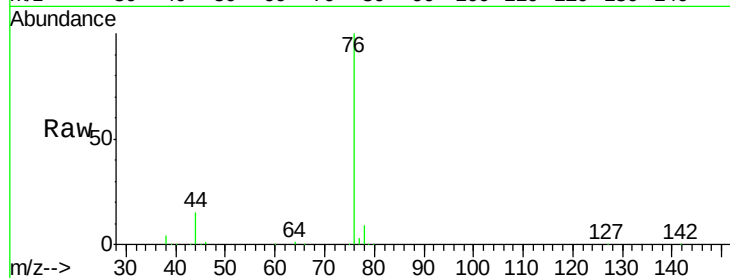
VSTDCCC050EC

Tgt Ion: 76 Resp: 342915

Ion Ratio Lower Upper

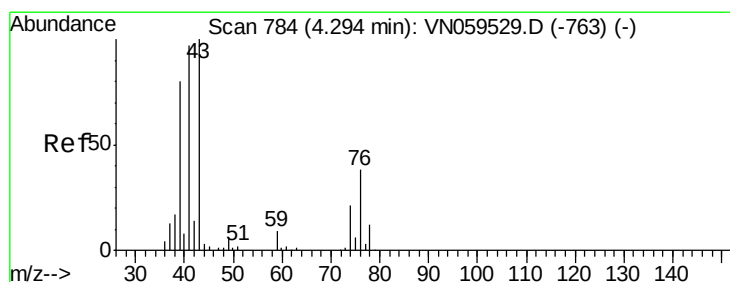
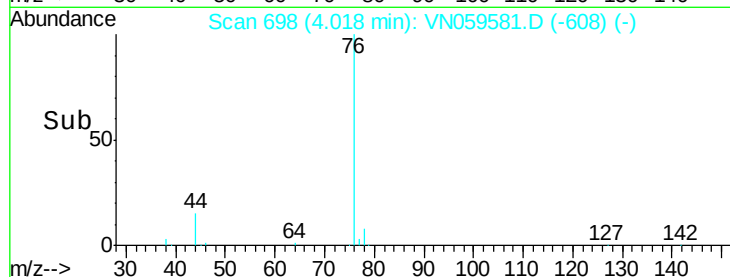
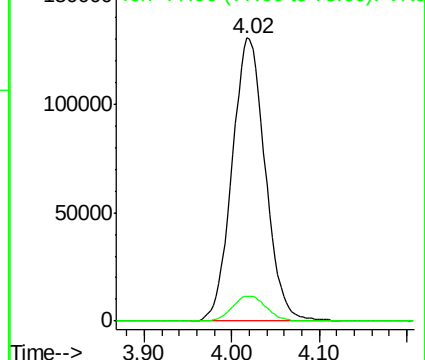
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 43.571 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059581.D

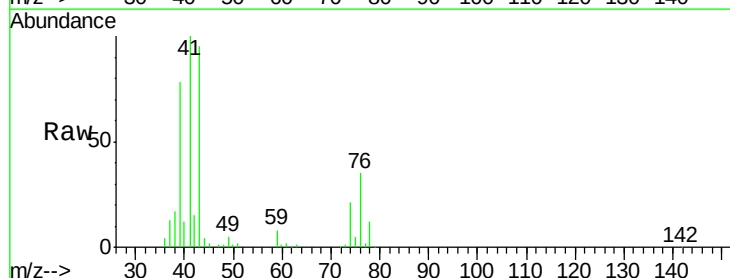
Acq: 12 Dec 2019 18:01

Tgt Ion: 43 Resp: 191821

Ion Ratio Lower Upper

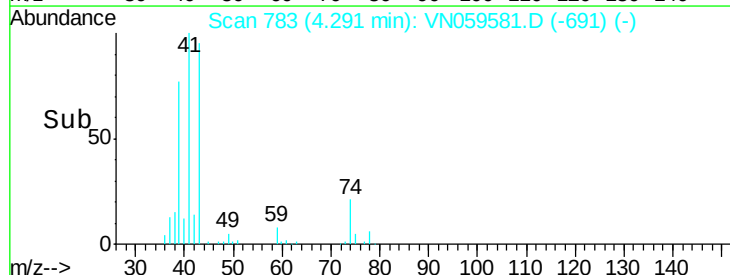
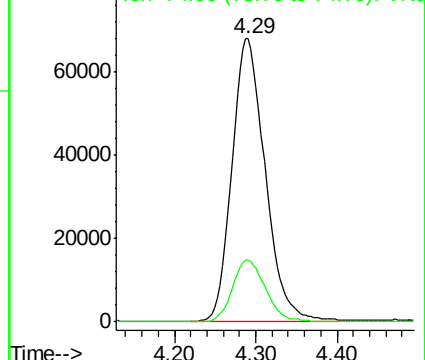
43 100

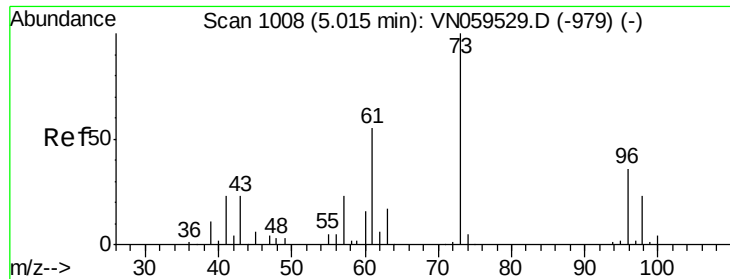
74 21.9 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

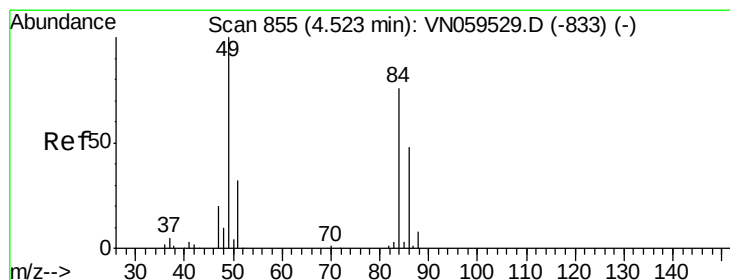
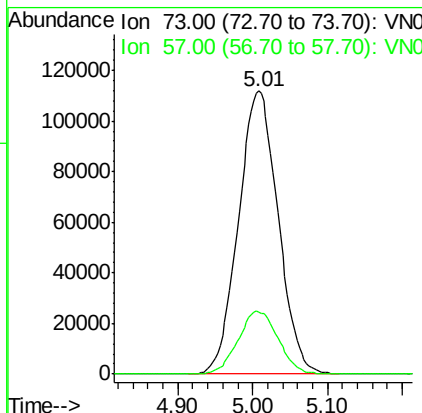
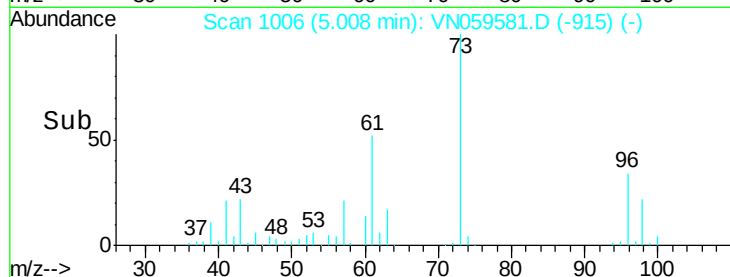
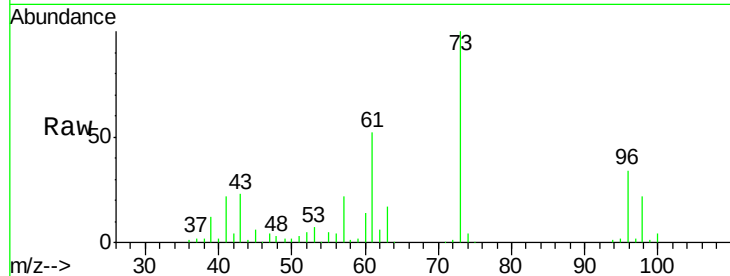




#19
Methyl tert-butyl Ether
Concen: 46.362 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

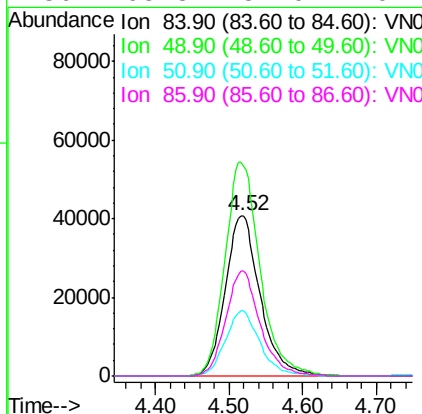
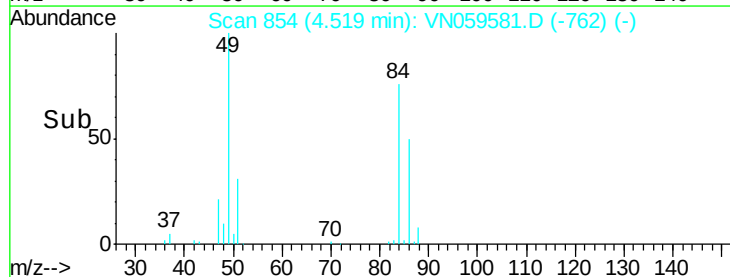
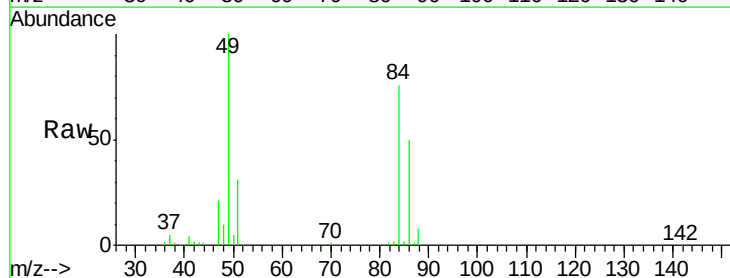
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

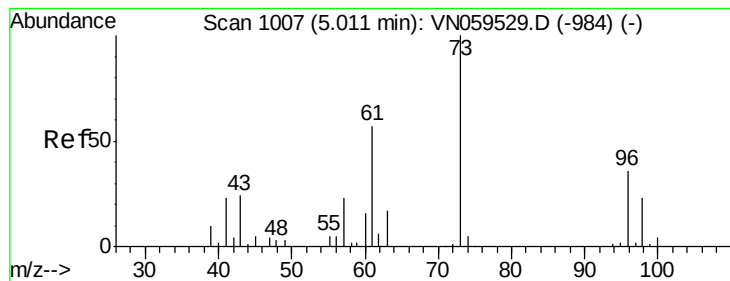
Tgt Ion: 73 Resp: 411967
Ion Ratio Lower Upper
73 100
57 22.0 18.3 27.5



#20
Methylene Chloride
Concen: 44.307 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 84 Resp: 133979
Ion Ratio Lower Upper
84 100
49 131.2 105.8 158.8
51 41.1 33.7 50.5
86 65.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 43.696 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

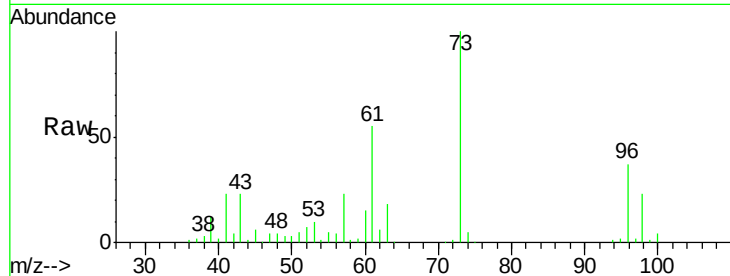
Tgt Ion: 96 Resp: 125368

Ion Ratio Lower Upper

96 100

61 151.1 124.8 187.2

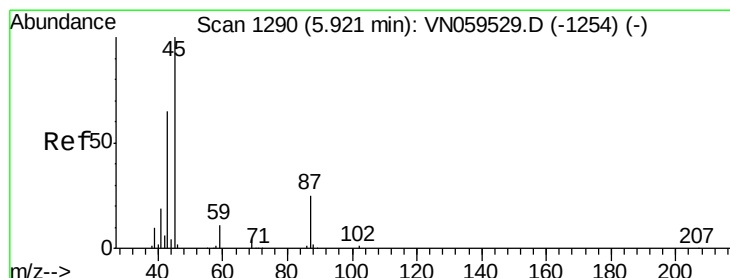
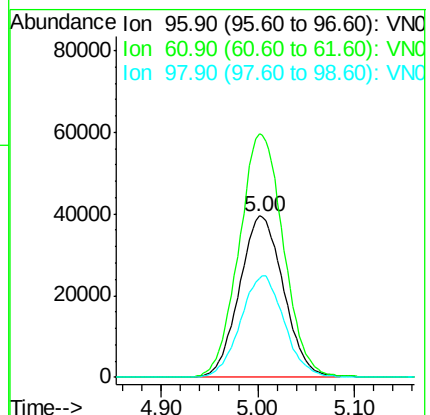
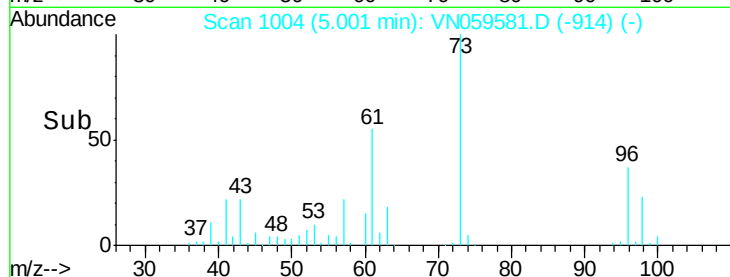
98 61.8 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 45.306 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Tgt Ion: 45 Resp: 443518

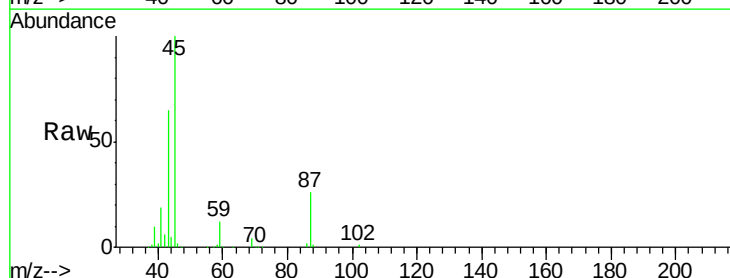
Ion Ratio Lower Upper

45 100

43 63.3 52.8 79.2

87 26.3 20.2 30.4

59 11.5 9.1 13.7

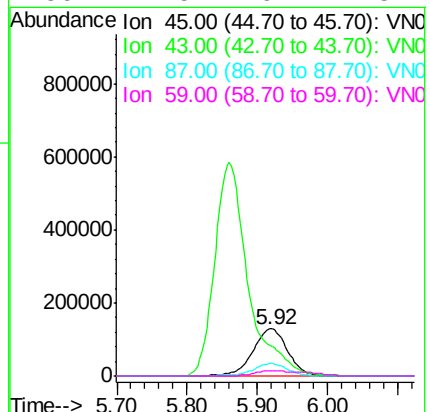
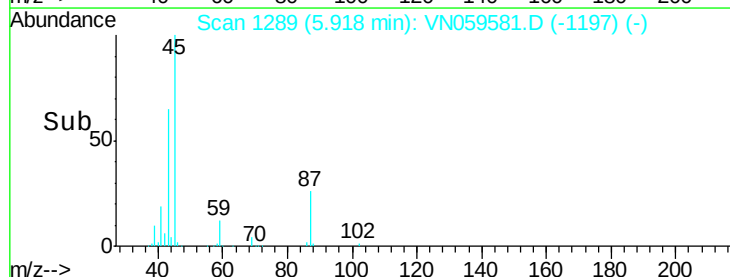


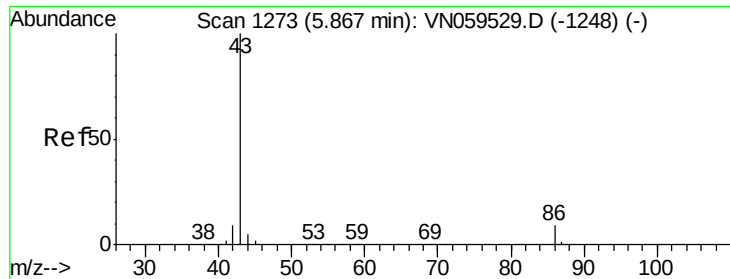
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 236.993 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

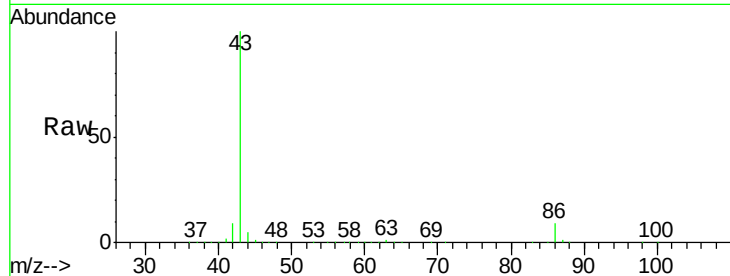
VSTDCCC050EC

Tgt Ion: 43 Resp: 1935297

Ion Ratio Lower Upper

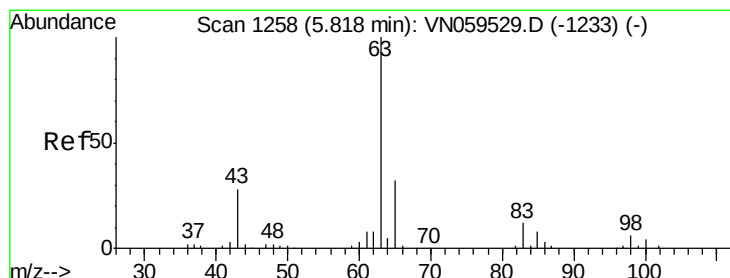
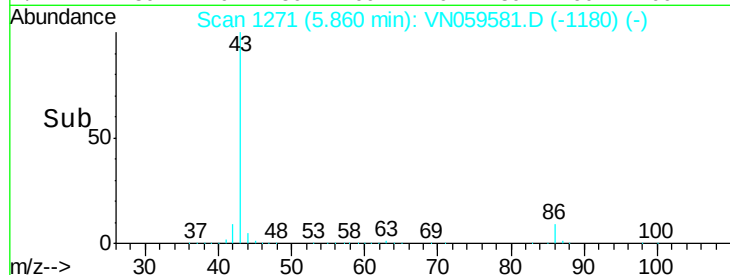
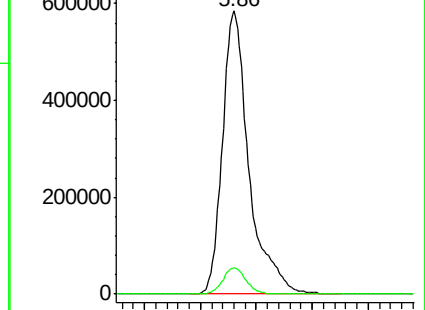
43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN059581.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059581.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 45.014 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

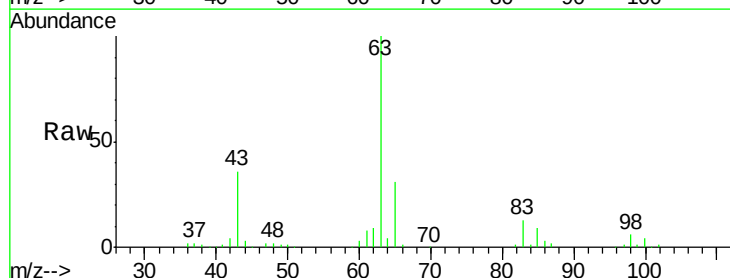
Tgt Ion: 63 Resp: 250190

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

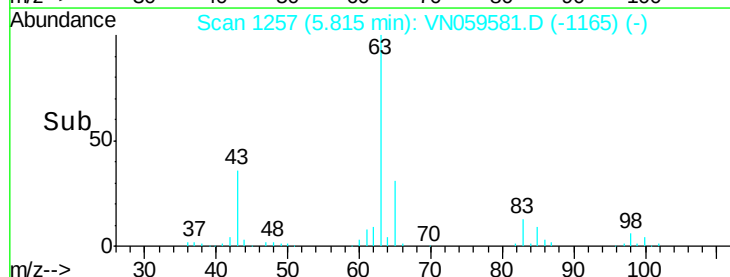
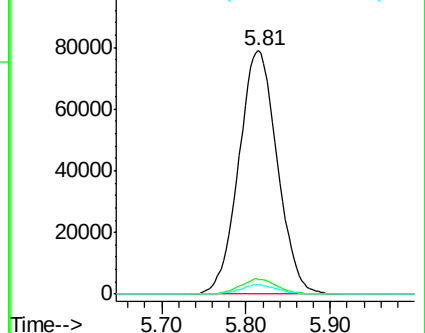
100 3.8 1.8 5.3

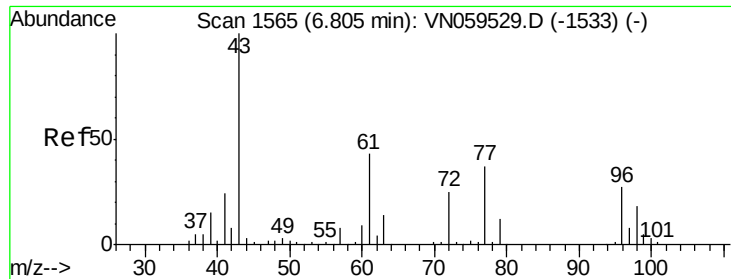


Abundance Ion 62.90 (62.60 to 63.60): VN059581.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059581.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059581.D (-1165) (-)

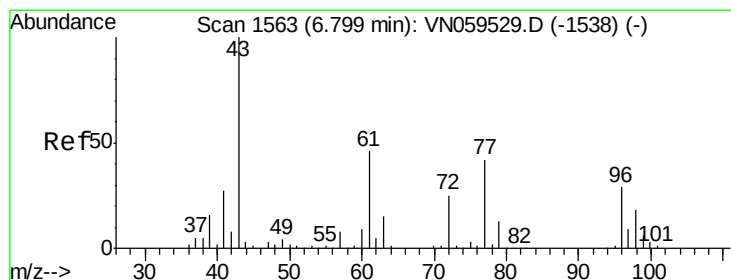
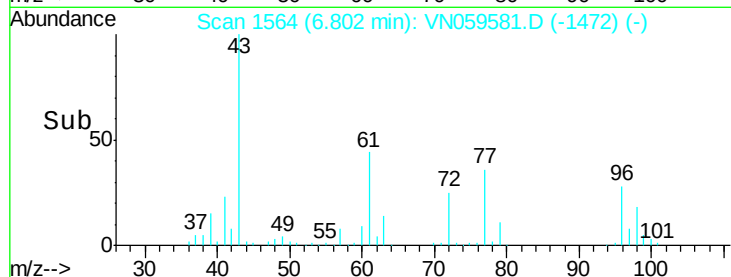
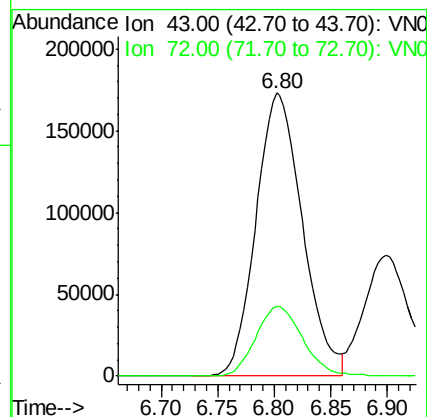
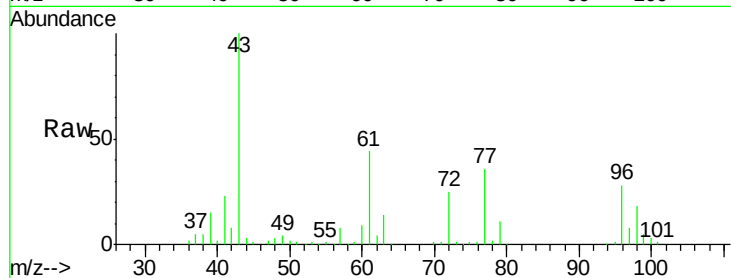




#25
2-Butanone
Concen: 217.736 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

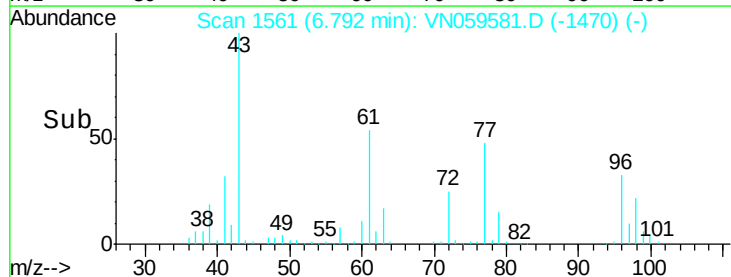
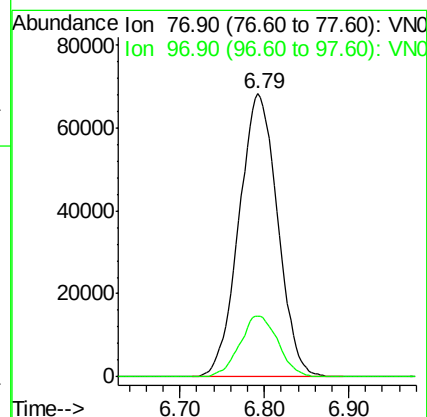
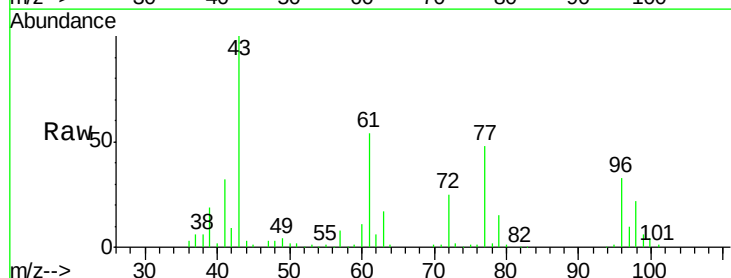
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

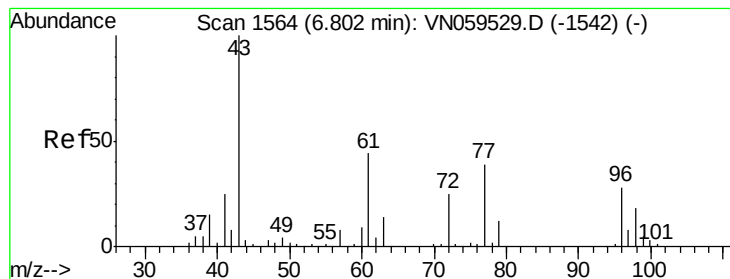
Tgt Ion: 43 Resp: 491449
Ion Ratio Lower Upper
43 100
72 24.7 19.9 29.9



#26
2,2-Dichloropropane
Concen: 43.178 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 77 Resp: 216809
Ion Ratio Lower Upper
77 100
97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 44.365 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

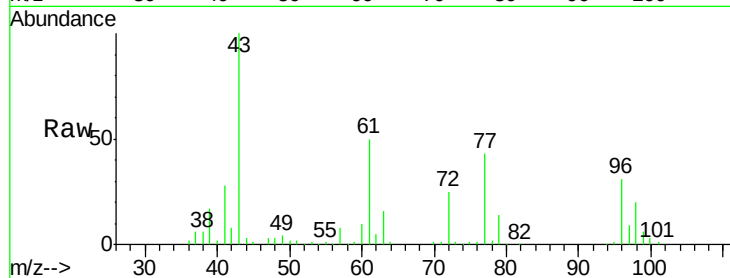
Tgt Ion: 96 Resp: 143170

Ion Ratio Lower Upper

96 100

61 161.1 0.0 320.0

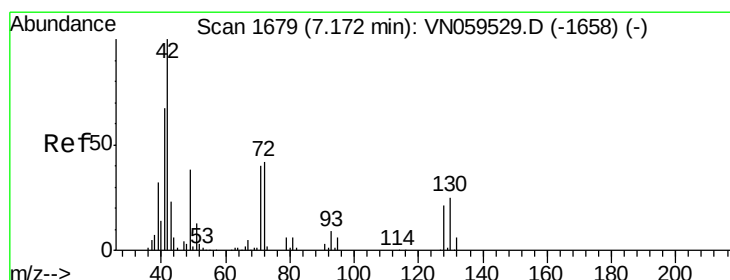
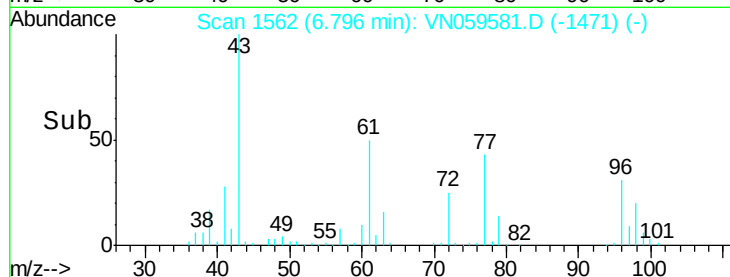
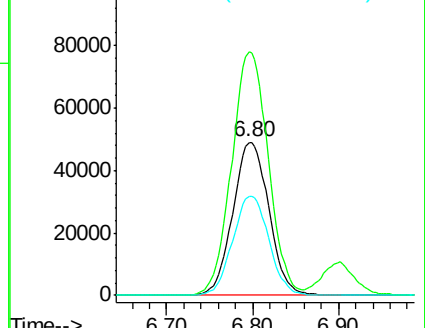
98 65.1 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN059529.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059529.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1542) (-)



#28

Bromochloromethane

Concen: 48.502 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

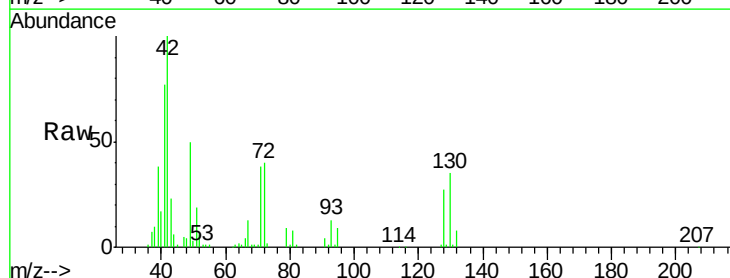
Tgt Ion: 49 Resp: 102709

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.0

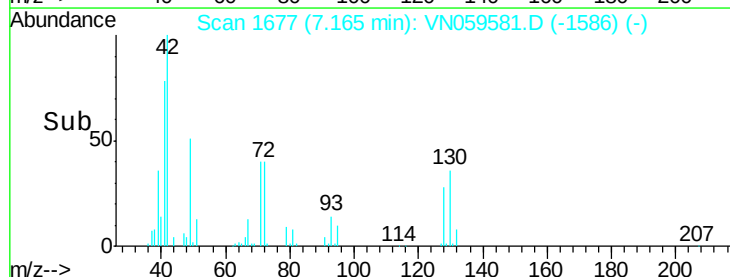
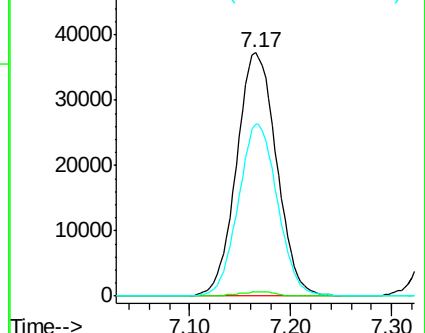
130 69.1 54.2 81.2

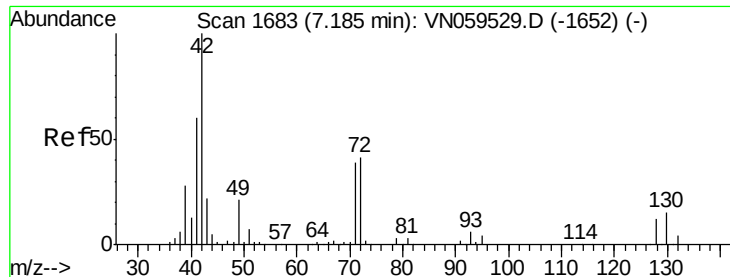


Abundance Ion 48.90 (48.60 to 49.60): VN059529.D (-1658) (-)

Ion 128.80 (128.50 to 129.50): VN059529.D (-1658) (-)

Ion 129.80 (129.50 to 130.50): VN059529.D (-1658) (-)

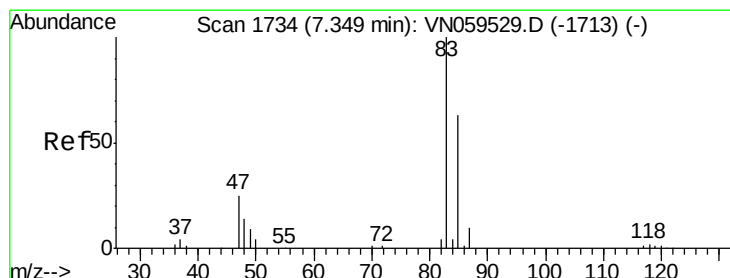
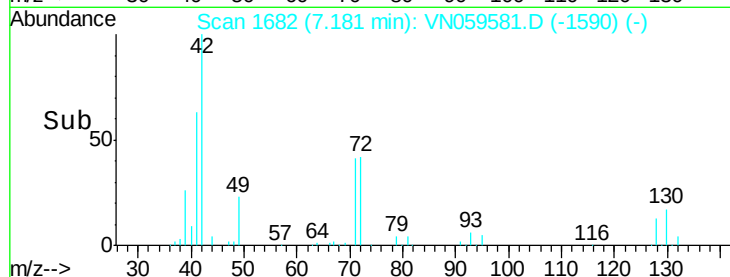
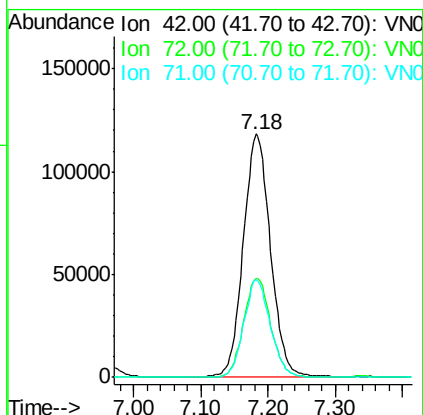
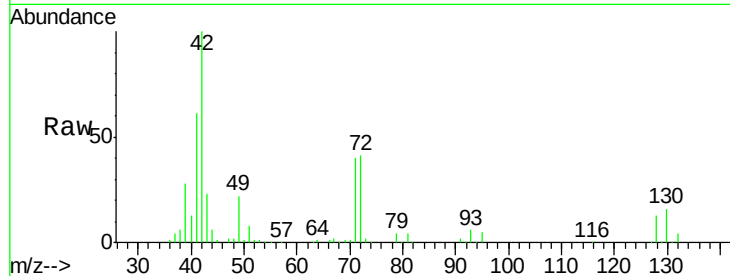




#29
Tetrahydrofuran
Concen: 211.871 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

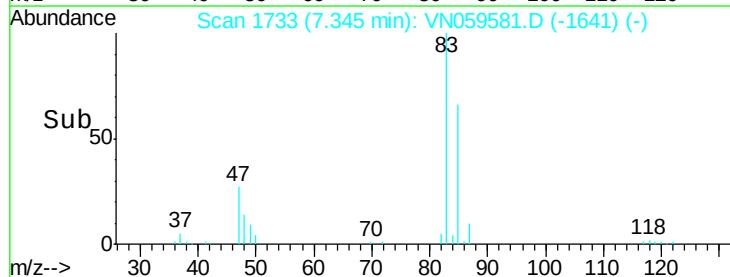
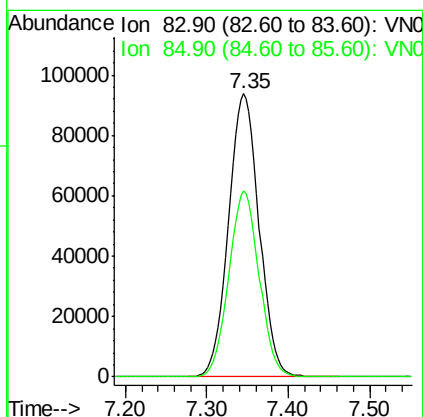
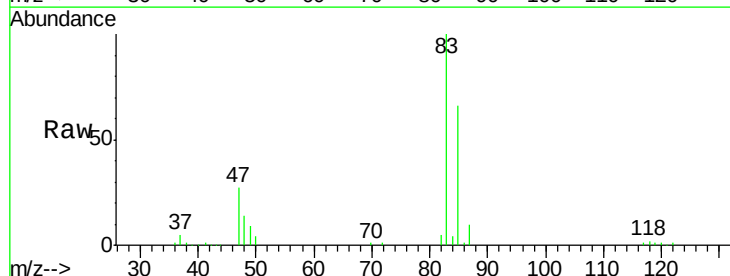
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

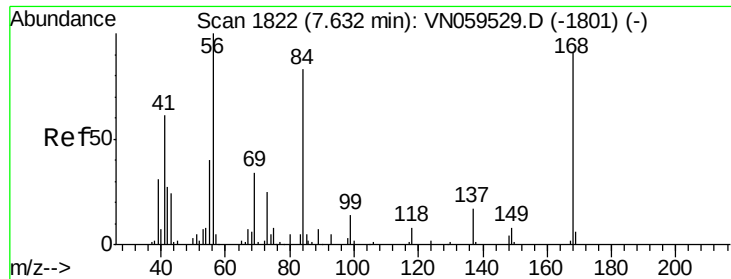
Tgt Ion: 42 Resp: 332637
Ion Ratio Lower Upper
42 100
72 40.7 32.7 49.1
71 38.9 31.4 47.2



#30
Chloroform
Concen: 44.887 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 83 Resp: 246225
Ion Ratio Lower Upper
83 100
85 65.6 50.6 75.8





#31

Cyclohexane

Concen: 41.002 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

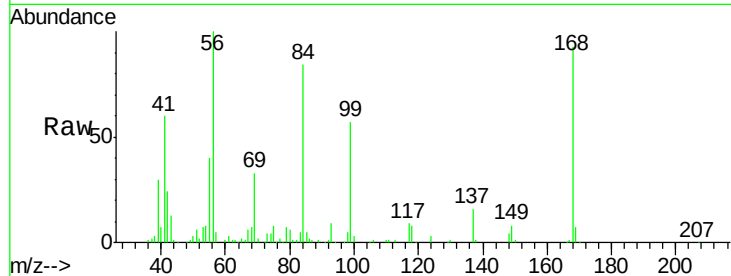
Tgt Ion: 56 Resp: 221775

Ion Ratio Lower Upper

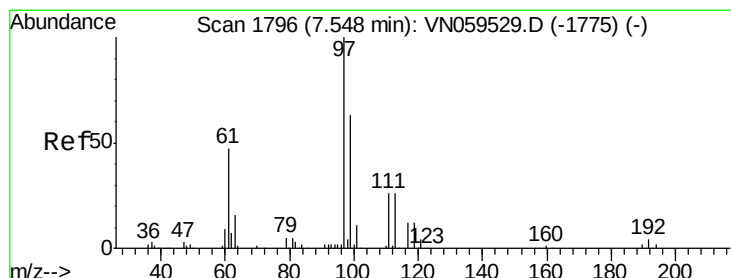
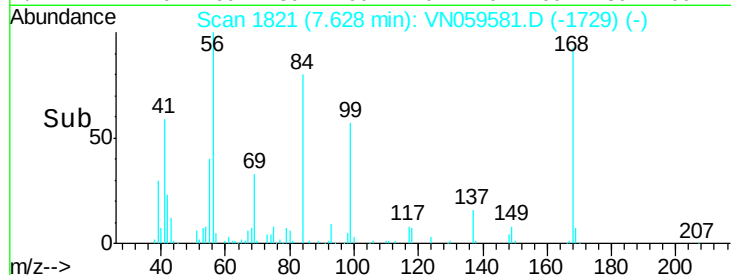
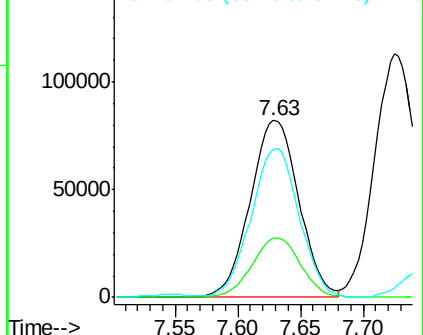
56 100

69 33.2 26.9 40.3

84 82.3 66.5 99.7



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: 45.095 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

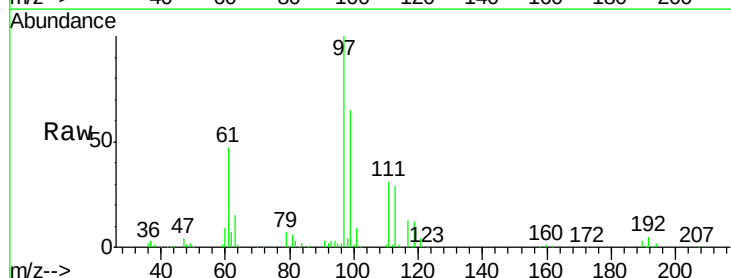
Tgt Ion: 97 Resp: 219448

Ion Ratio Lower Upper

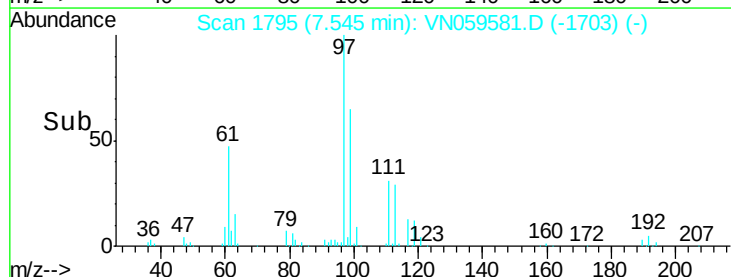
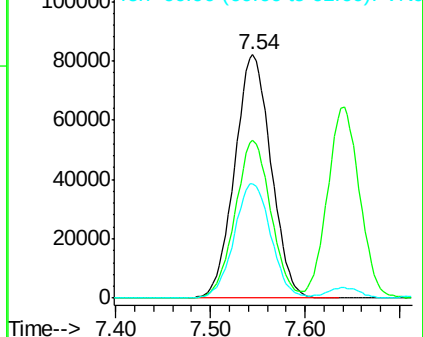
97 100

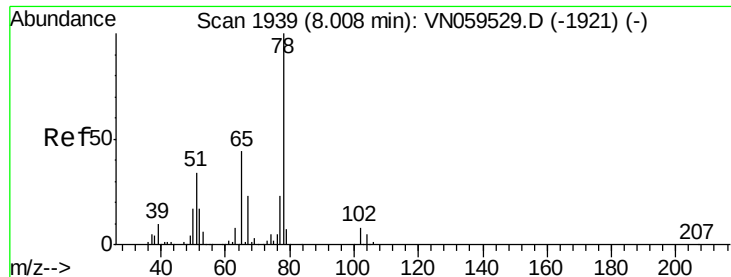
99 63.7 51.4 77.2

61 47.5 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

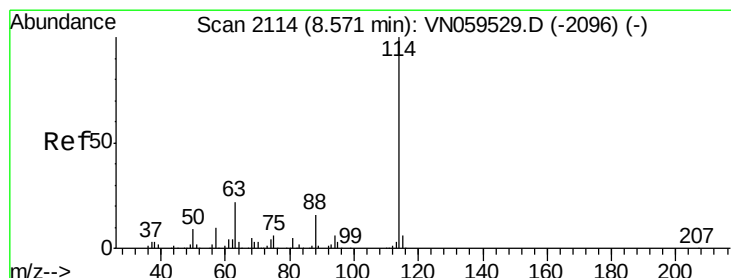
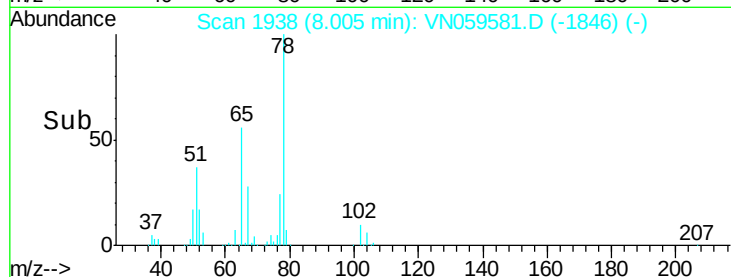
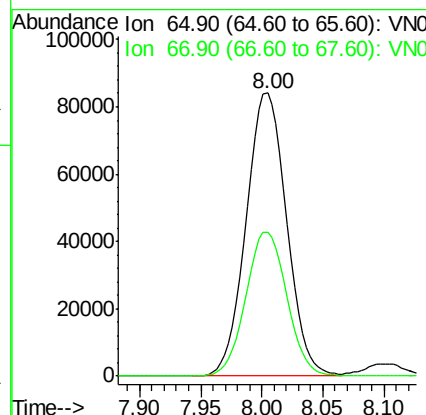
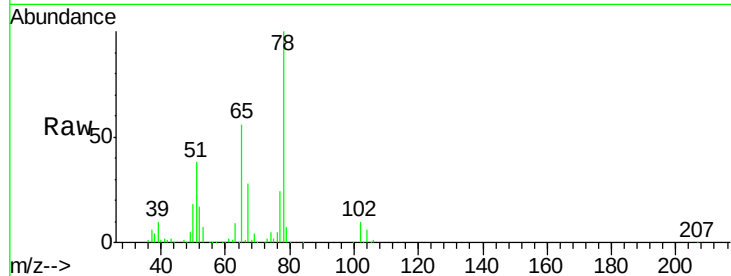




#33
 1,2-Dichloroethane-d4
 Concen: 53.873 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

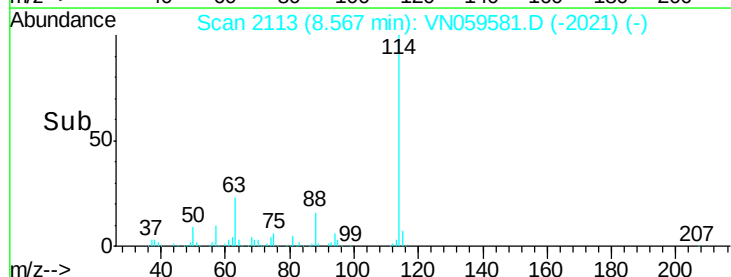
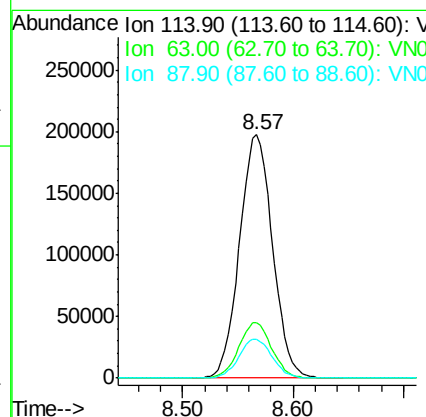
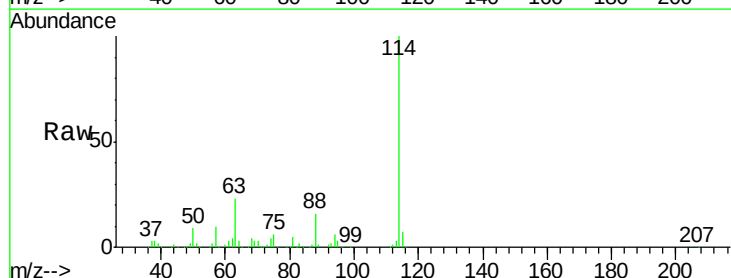
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

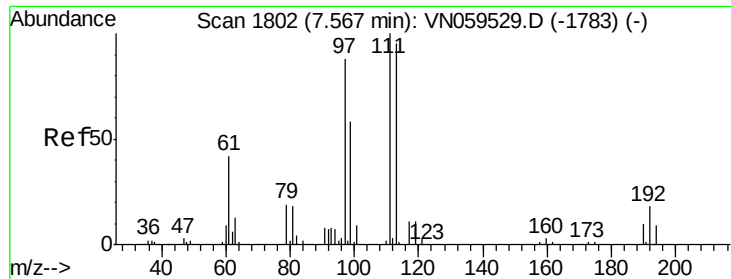
Tgt Ion: 65 Resp: 193381
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion: 114 Resp: 409573
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.0
 88 15.9 0.0 32.2

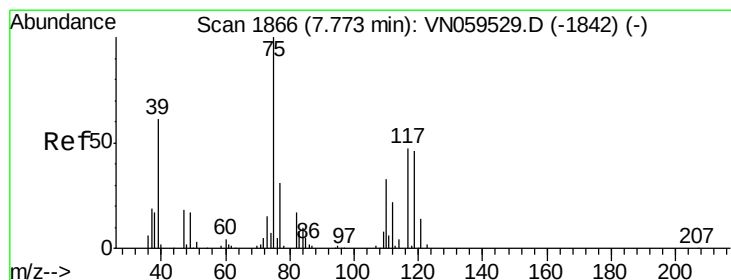
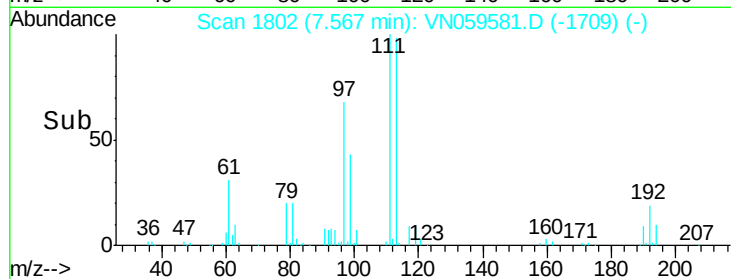
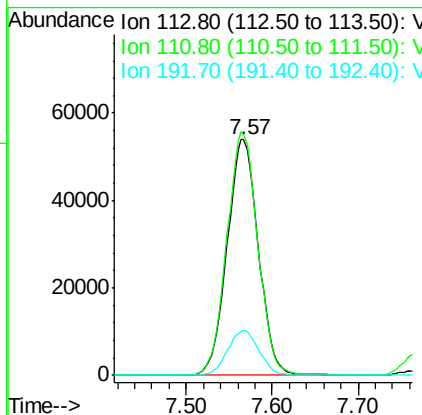
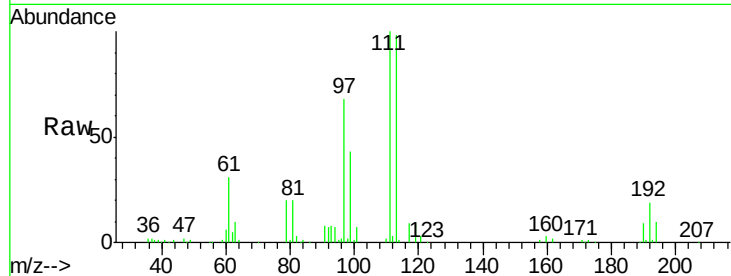




#35
 Dibromofluoromethane
 Concen: 55.539 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

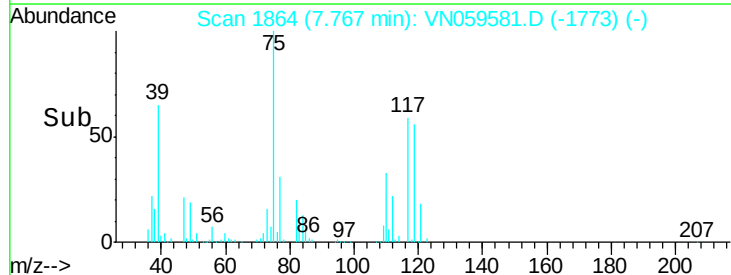
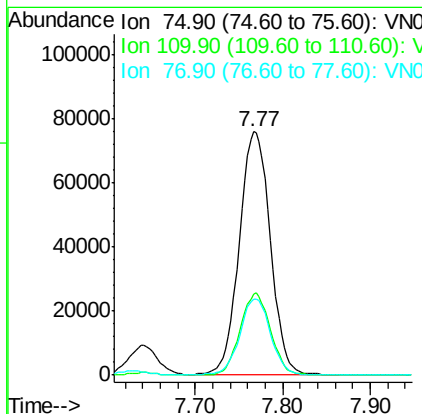
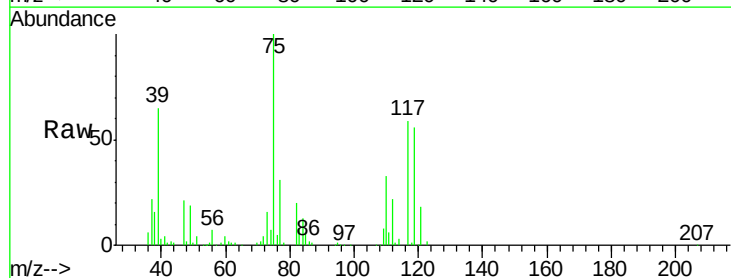
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

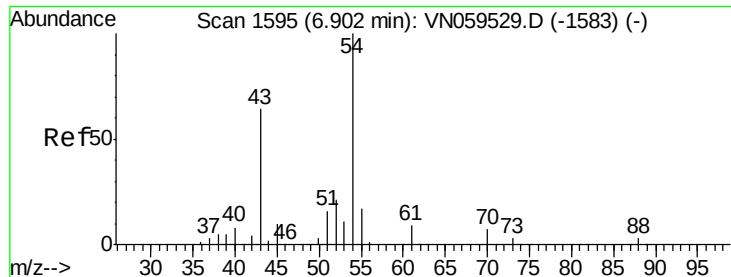
Tgt Ion: 113 Resp: 135743
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.2 123.4
 192 19.1 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 44.712 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion: 75 Resp: 187883
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.7 50.0
 77 31.0 24.6 37.0

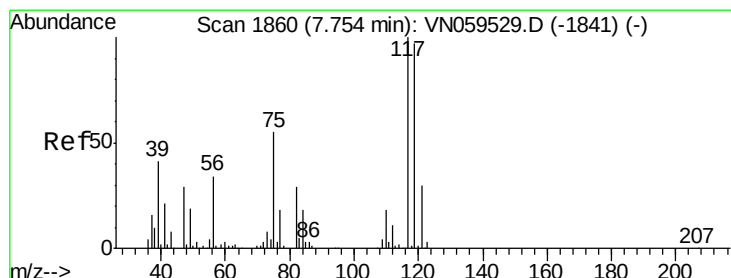
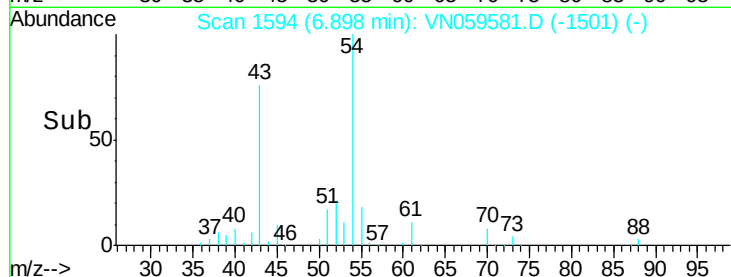
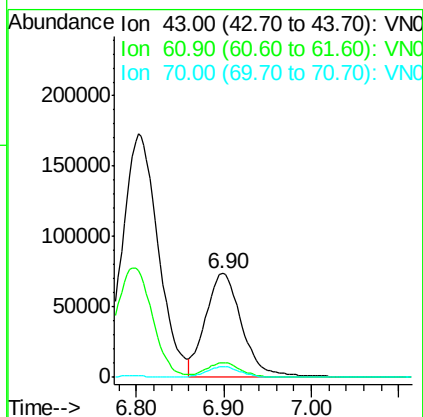
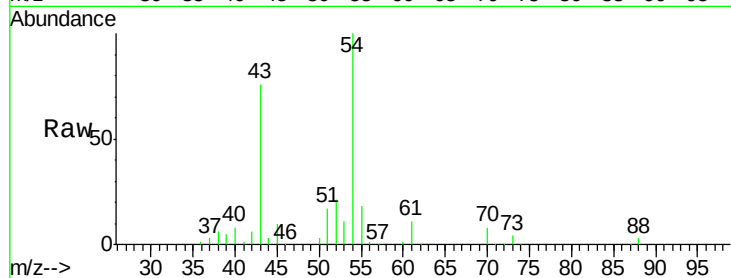




#37
Ethyl Acetate
Concen: 43.026 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

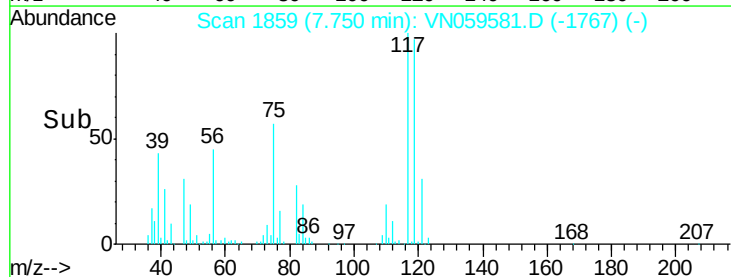
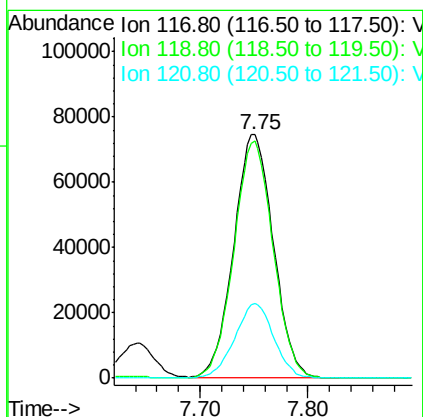
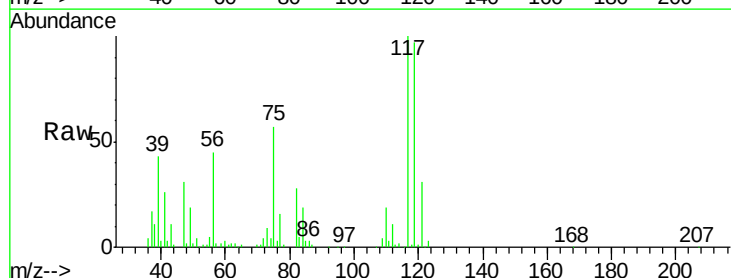
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

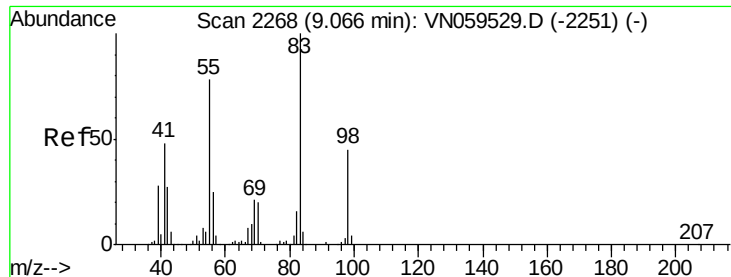
Tgt Ion: 43 Resp: 209747
Ion Ratio Lower Upper
43 100
61 13.7 11.0 16.6
70 9.9 7.7 11.5



#38
Carbon Tetrachloride
Concen: 46.175 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 117 Resp: 191250
Ion Ratio Lower Upper
117 100
119 97.3 77.0 115.4
121 30.9 24.1 36.1

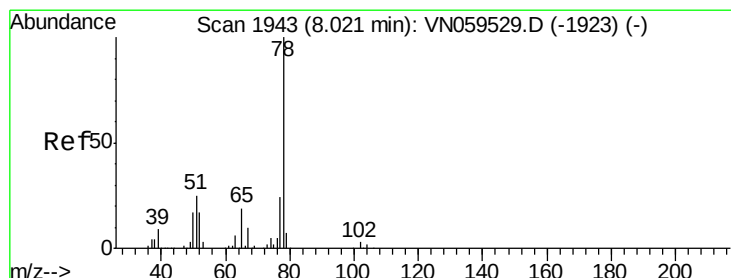
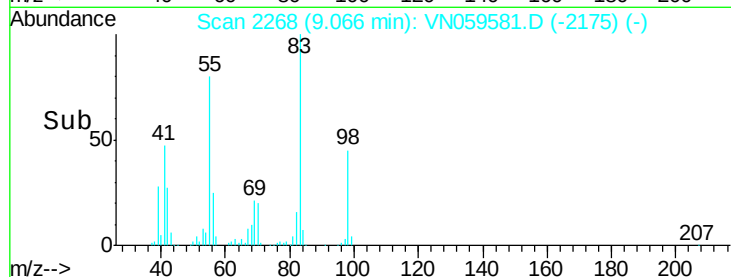
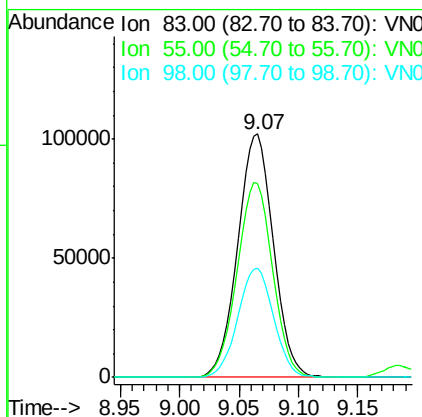
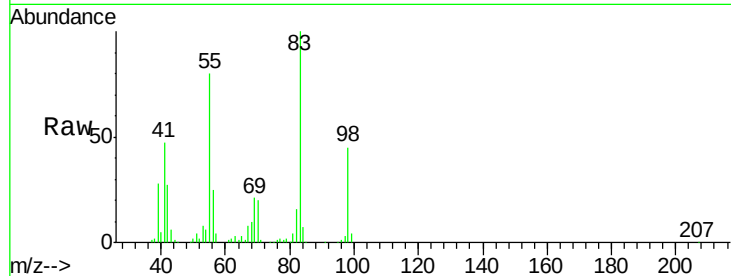




#39
Methylcyclohexane
Concen: 45.104 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

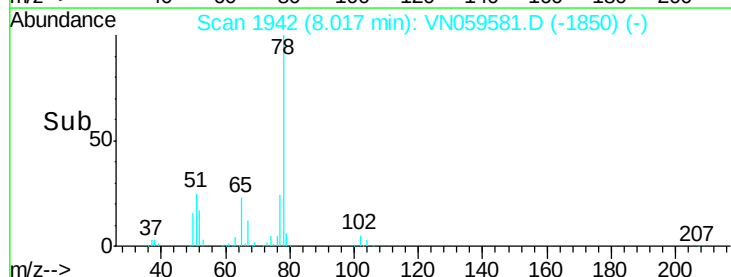
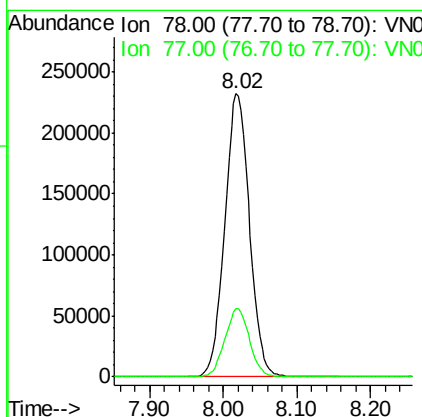
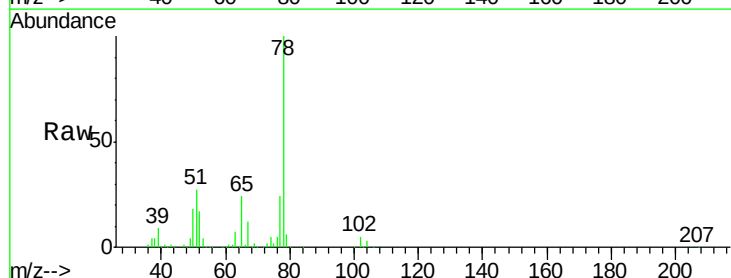
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

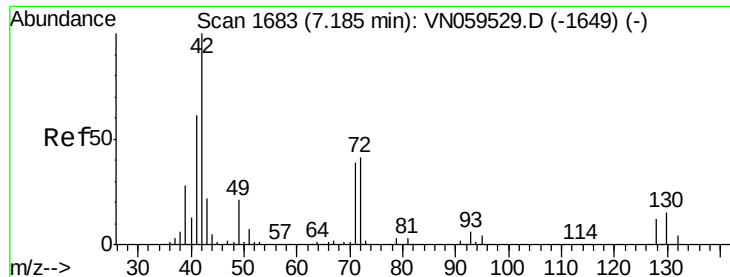
Tgt Ion: 83 Resp: 212597
Ion Ratio Lower Upper
83 100
55 79.6 62.7 94.1
98 44.7 35.7 53.5



#40
Benzene
Concen: 44.950 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 78 Resp: 539584
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

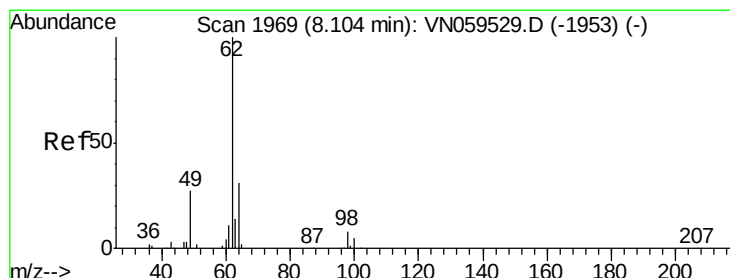
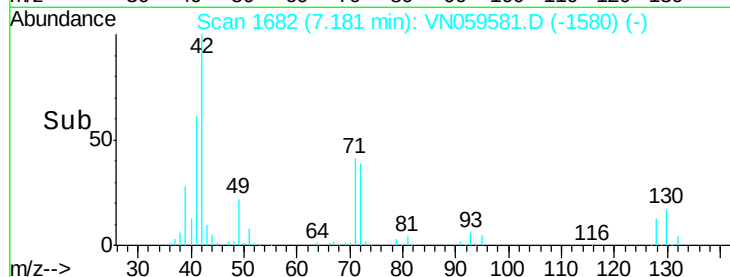
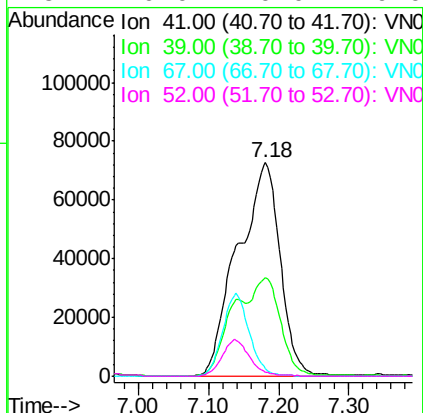
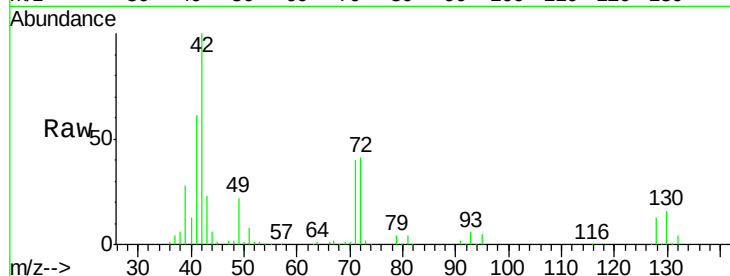




#41
Methacrylonitrile
Concen: 149.326 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

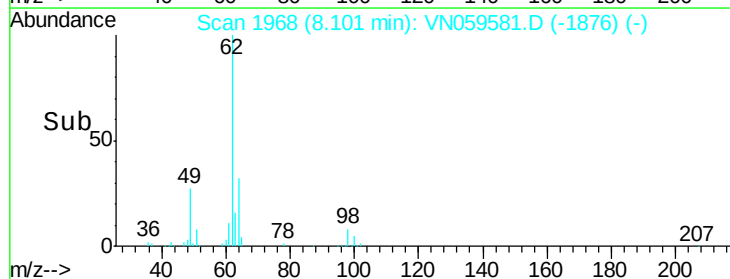
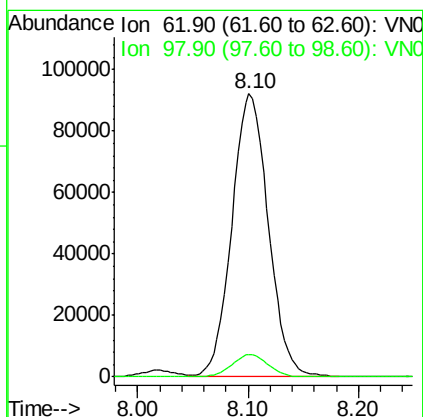
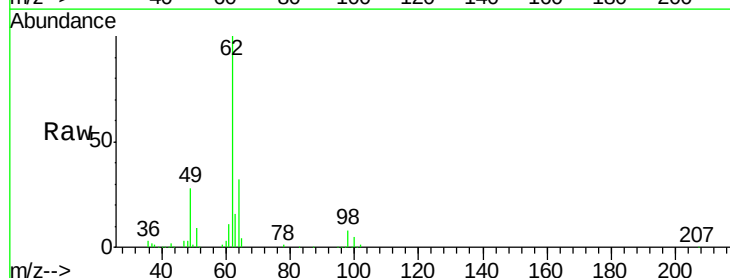
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

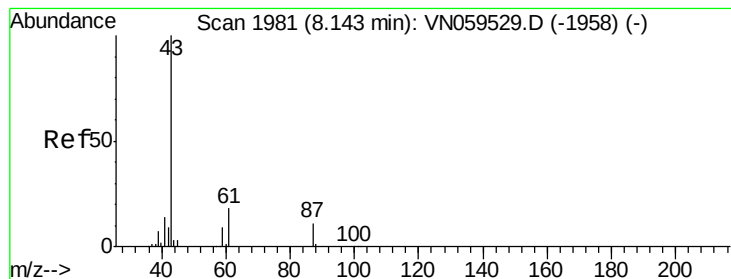
Tgt Ion:	41	Resp:	304937
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 46.855 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion:	62	Resp:	209561
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4





#43

Isopropyl Acetate

Concen: 46.090 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

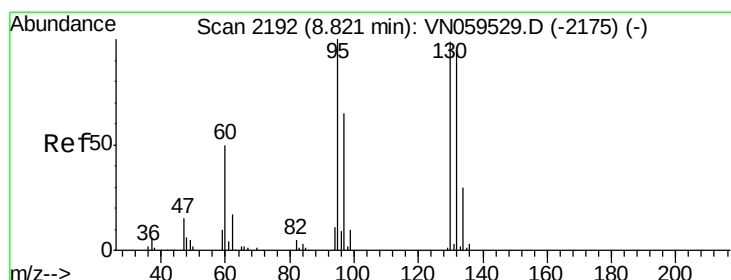
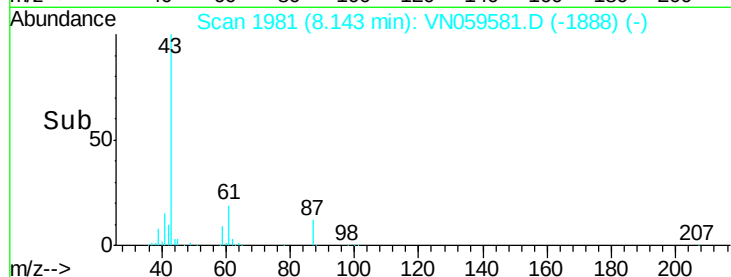
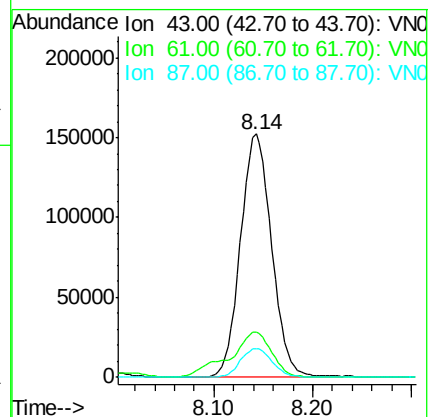
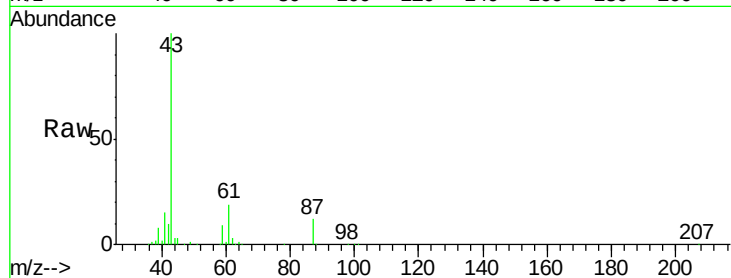
Tgt Ion: 43 Resp: 334322

Ion Ratio Lower Upper

43 100

61 25.4 19.8 29.6

87 12.1 9.4 14.2



#44

Trichloroethene

Concen: 45.790 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059581.D

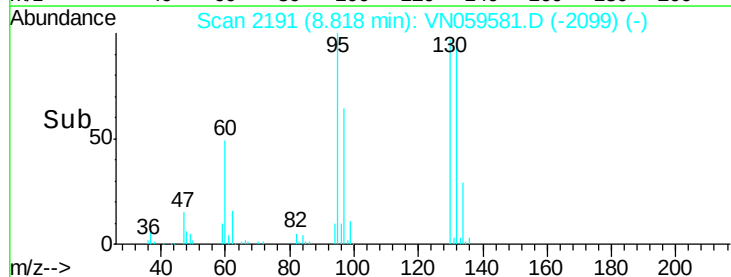
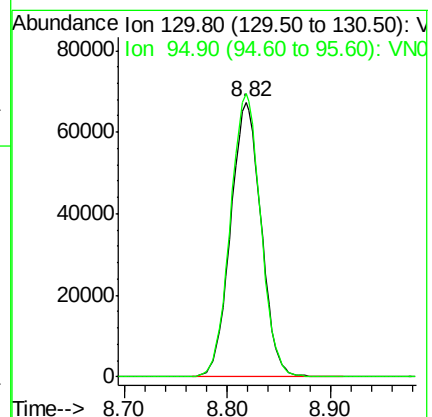
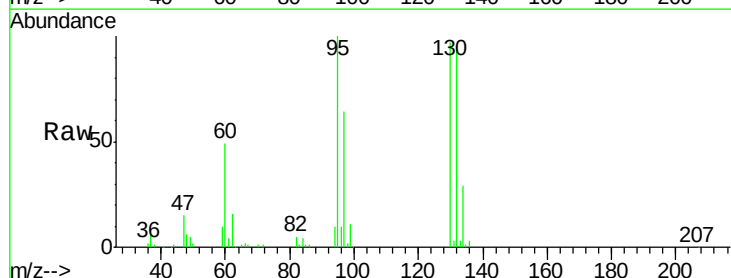
Acq: 12 Dec 2019 18:01

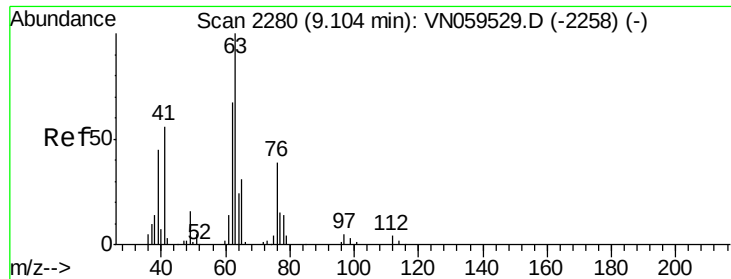
Tgt Ion: 130 Resp: 138866

Ion Ratio Lower Upper

130 100

95 103.1 0.0 202.0

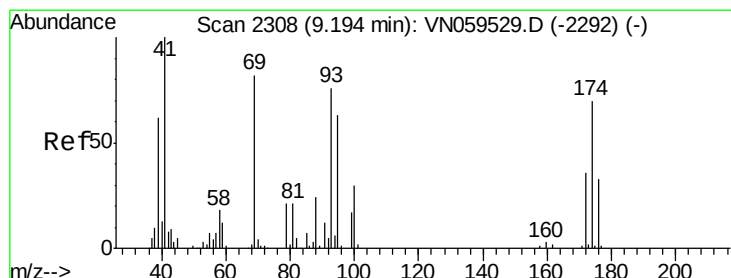
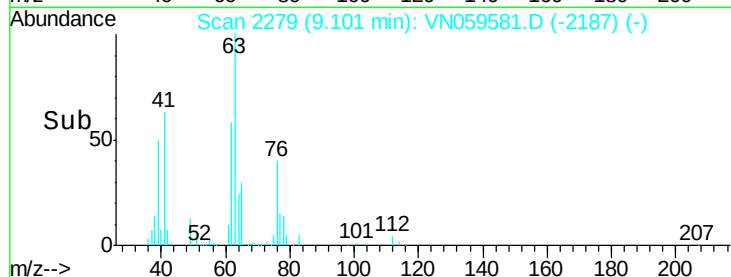
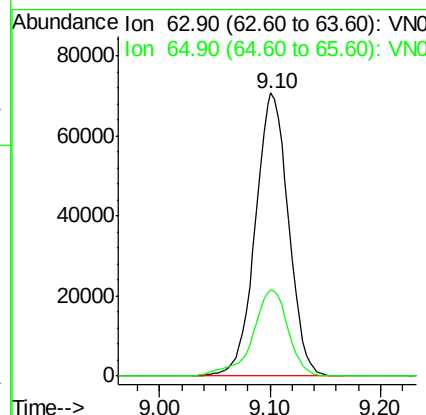
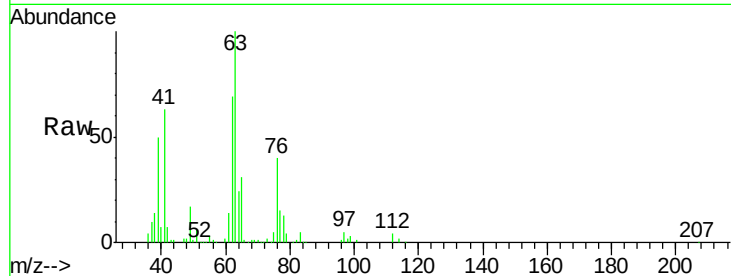




#45
 1,2-Dichloropropane
 Concen: 46.116 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

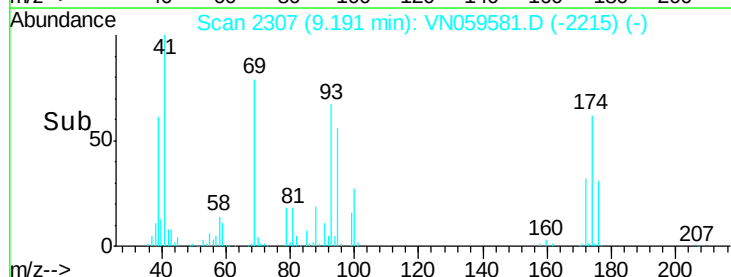
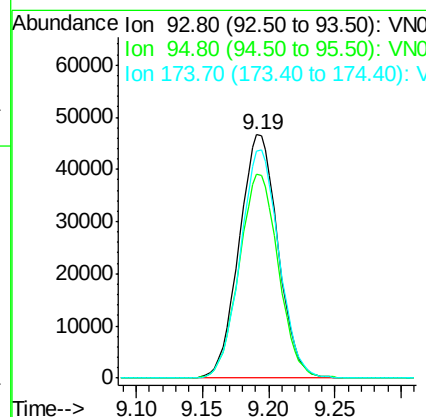
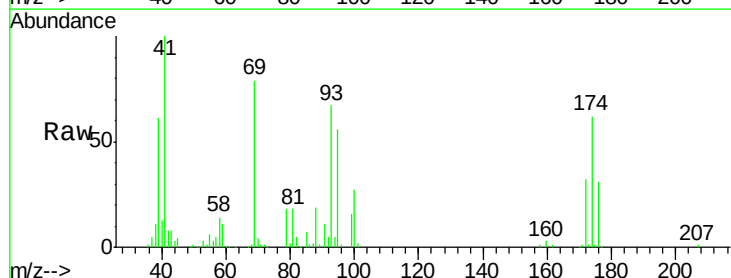
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

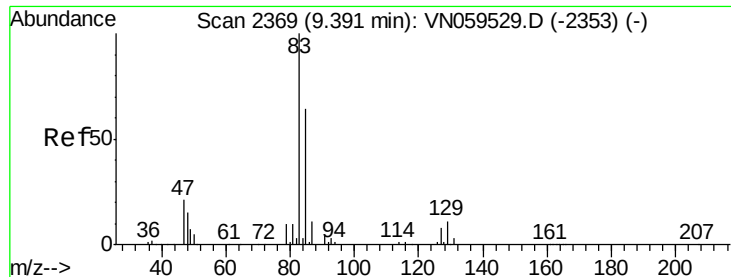
Tgt Ion: 63 Resp: 146650
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 45.197 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion: 93 Resp: 94986
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.0 100.6
 174 93.2 75.6 113.4

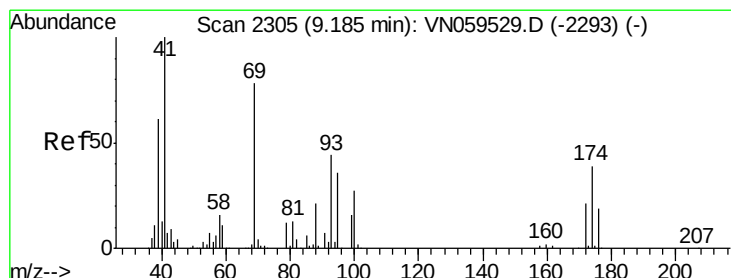
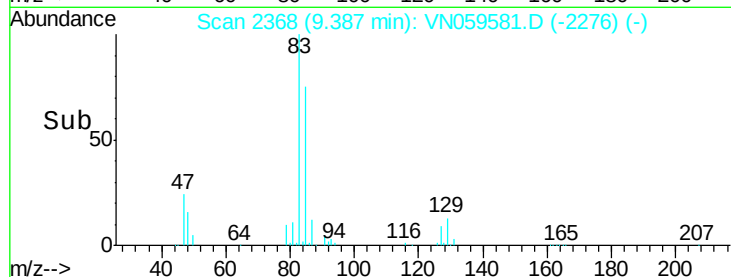
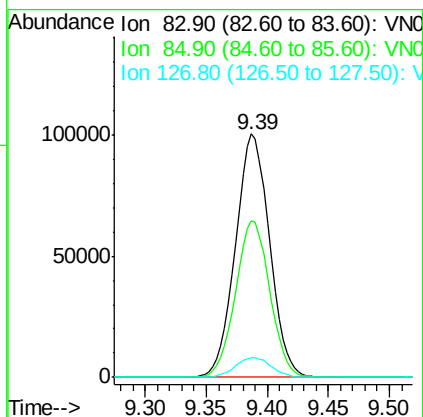
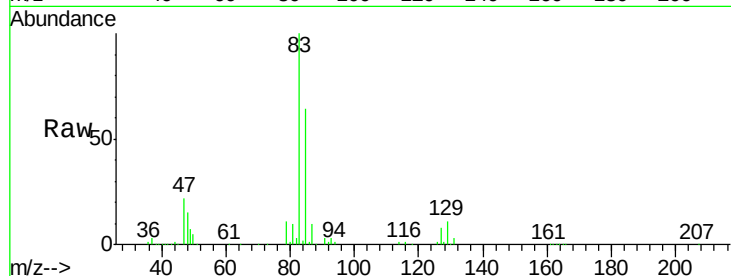




#47
Bromodichloromethane
Concen: 46.525 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

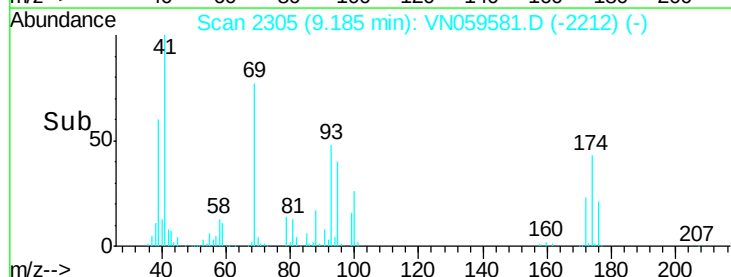
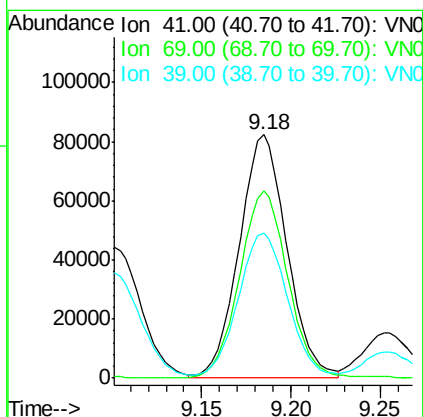
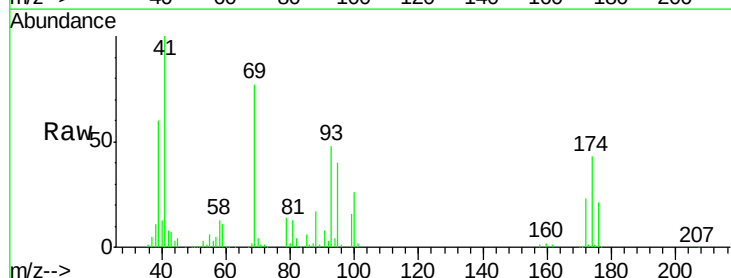
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

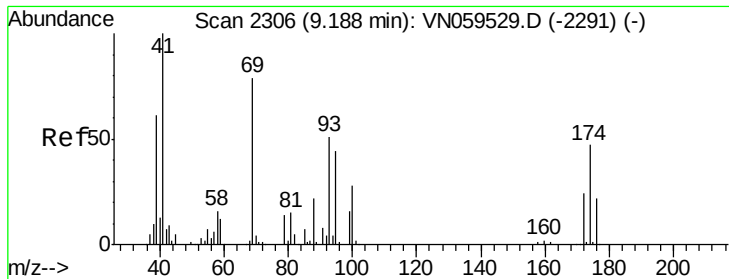
Tgt Ion: 83 Resp: 194324
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.0
127 8.0 6.7 10.1



#48
Methyl methacrylate
Concen: 48.489 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 41 Resp: 153789
Ion Ratio Lower Upper
41 100
69 78.2 64.0 96.0
39 61.8 50.0 75.0

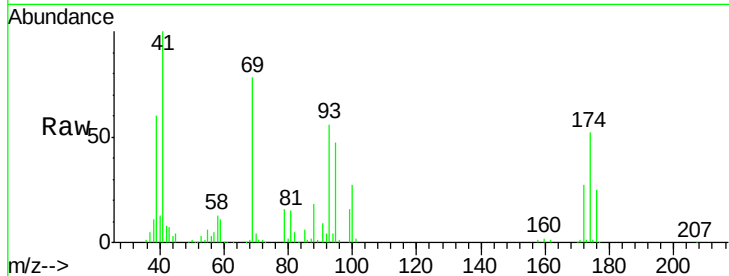




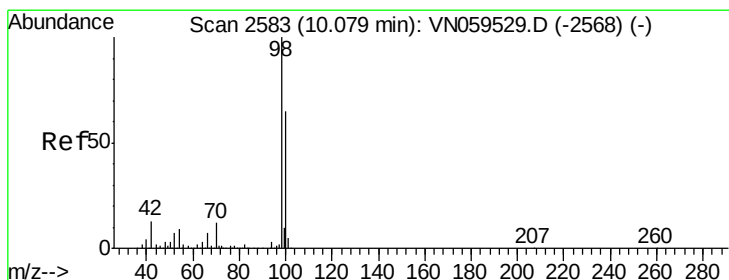
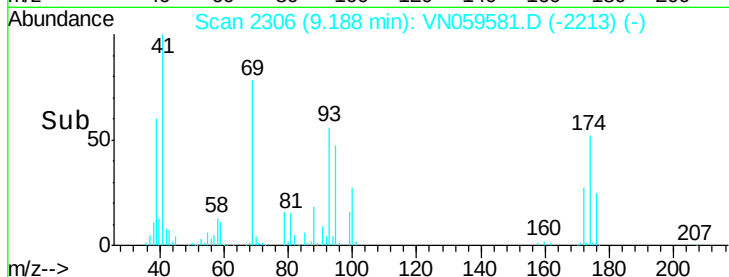
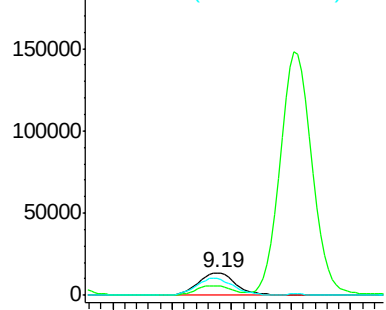
#49
1,4-Dioxane
Concen: 755.258 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 30648
Ion Ratio Lower Upper
88 100
43 42.1 31.4 47.0
58 73.1 61.0 91.6

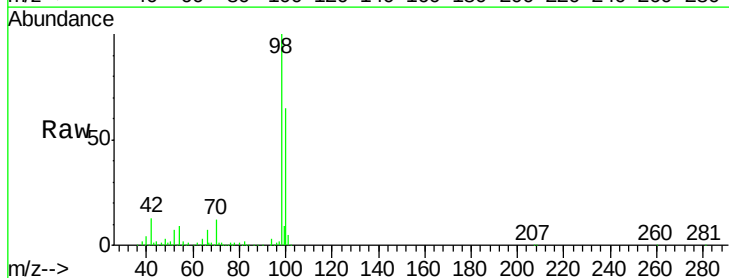


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

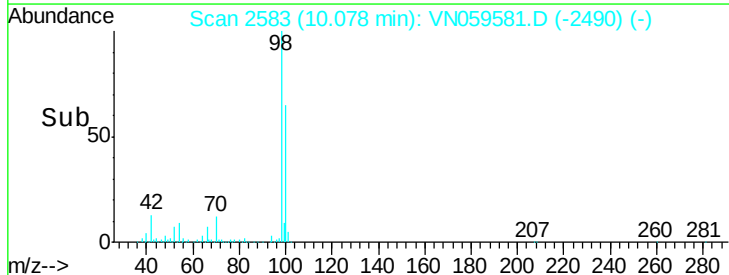
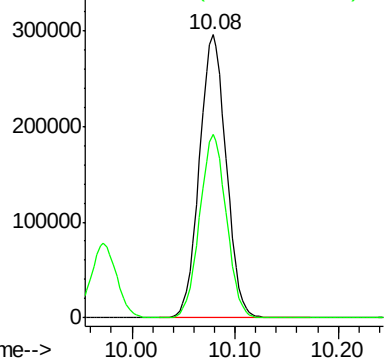


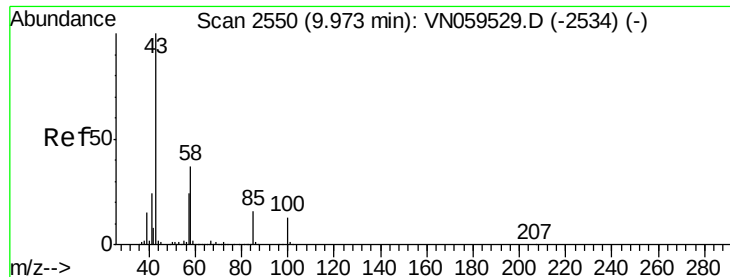
#50
Toluene-d8
Concen: 53.581 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 98 Resp: 534637
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



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

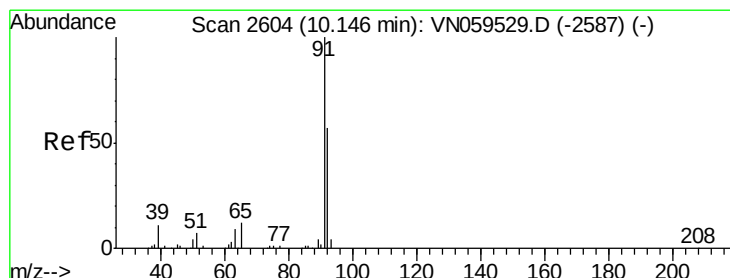
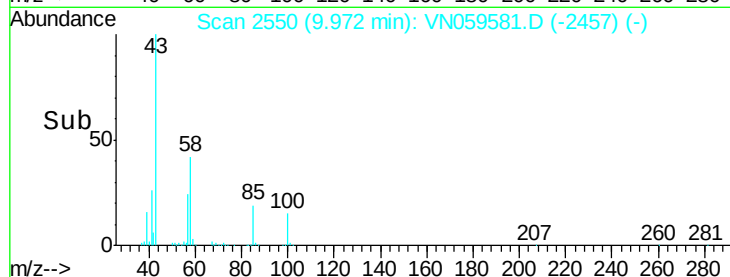
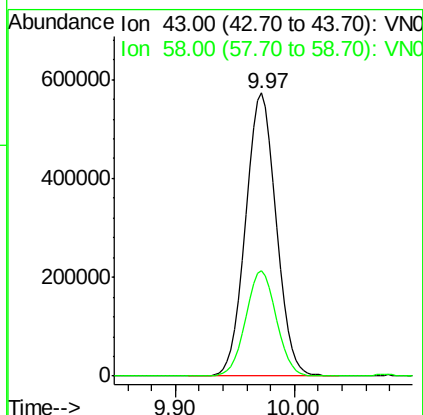
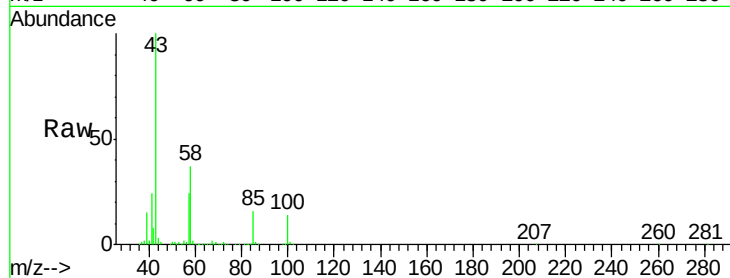




#51
4-Methyl-2-Pentanone
Concen: 221.145 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

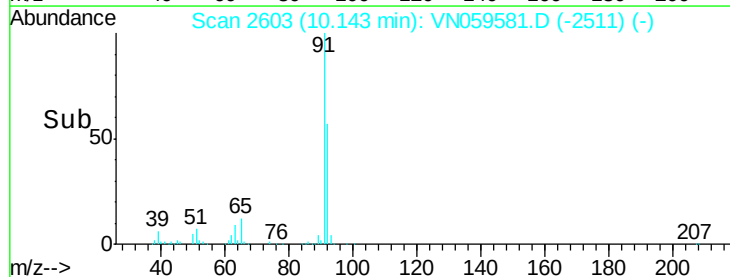
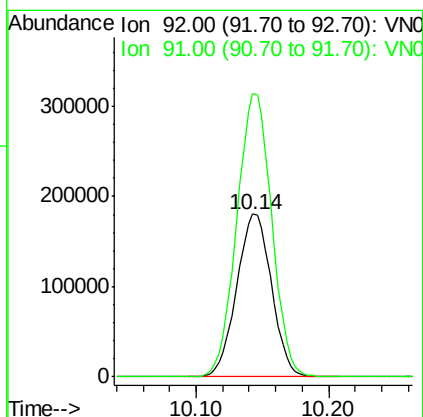
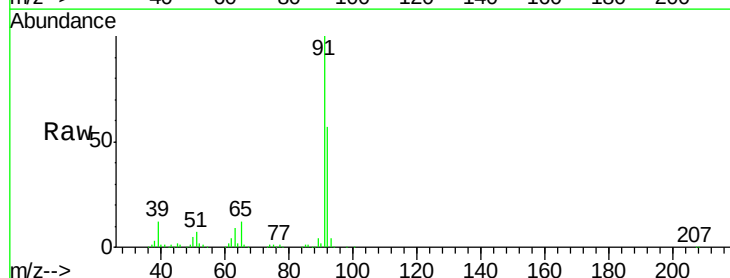
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

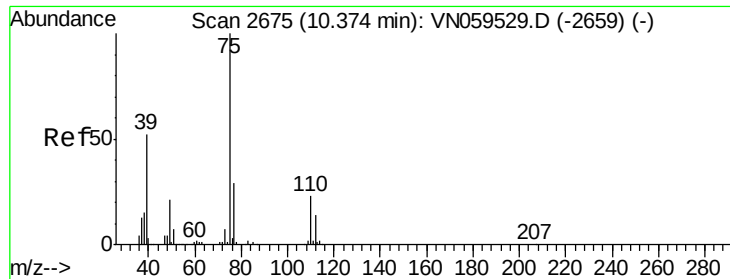
Tgt Ion: 43 Resp: 1019652
Ion Ratio Lower Upper
43 100
58 37.2 30.1 45.1



#52
Toluene
Concen: 46.004 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 92 Resp: 329039
Ion Ratio Lower Upper
92 100
91 174.8 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 46.651 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

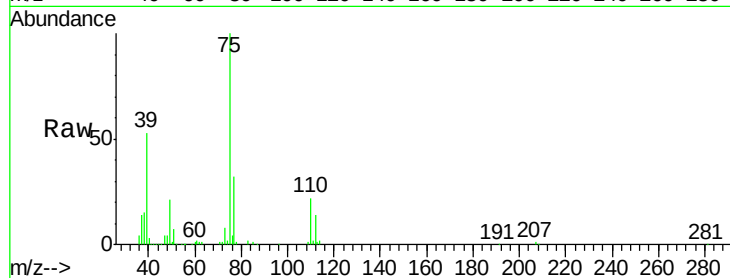
VSTDCCC050EC

Tgt Ion: 75 Resp: 227025

Ion Ratio Lower Upper

75 100

77 31.7 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

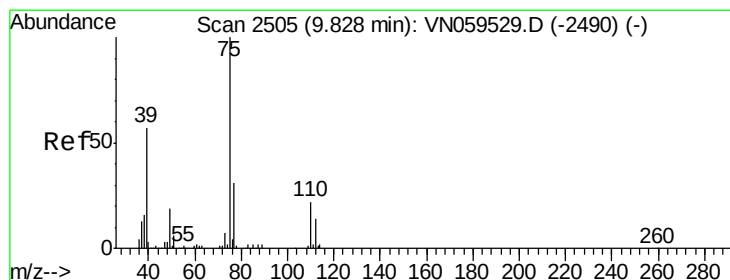
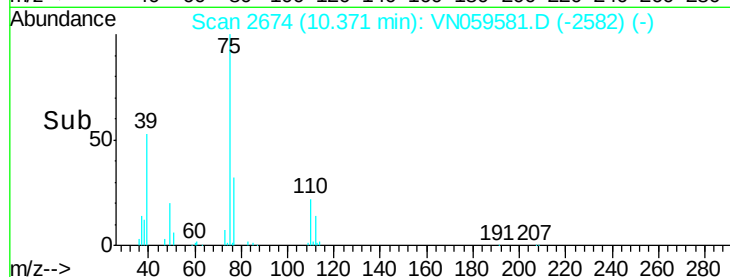
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.340 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

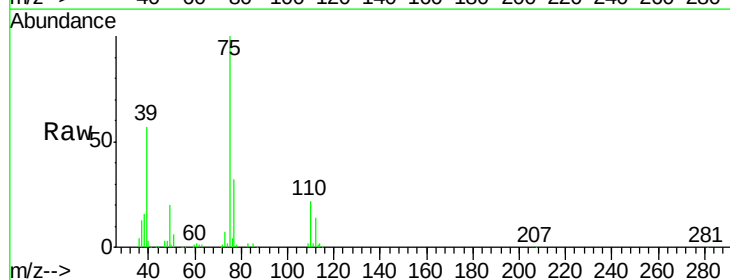
Tgt Ion: 75 Resp: 235786

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 56.4 45.6 68.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

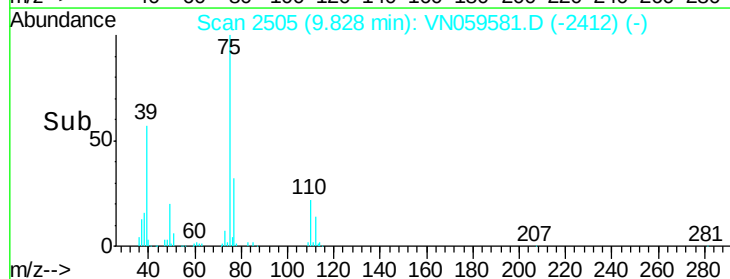
150000

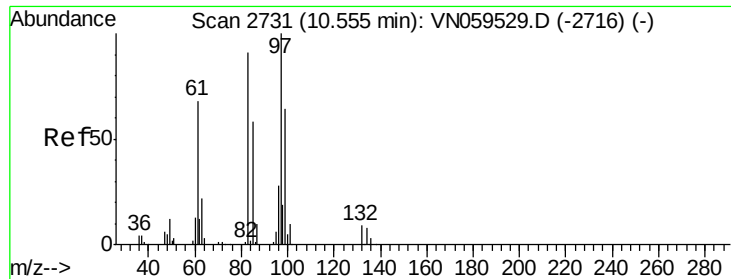
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 45.736 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 132301

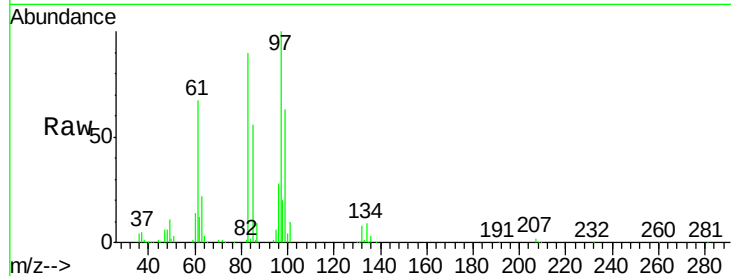
Ion Ratio Lower Upper

97 100

83 90.0 72.9 109.3

85 56.3 46.1 69.1

99 62.6 50.8 76.2

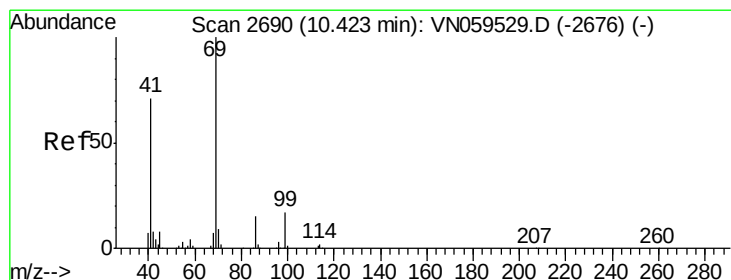
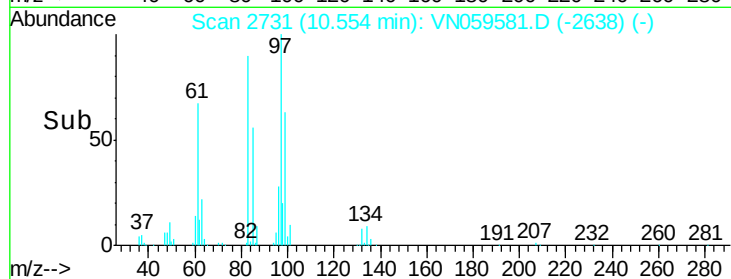
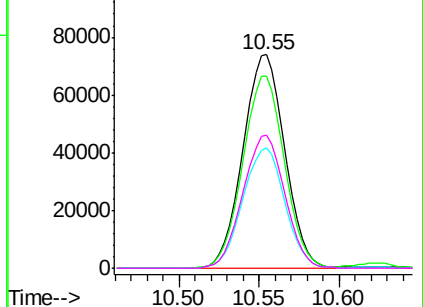


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 41.094 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

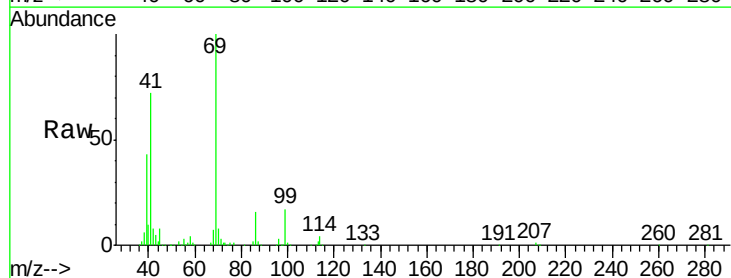
Tgt Ion: 69 Resp: 202803

Ion Ratio Lower Upper

69 100

41 72.5 57.7 86.5

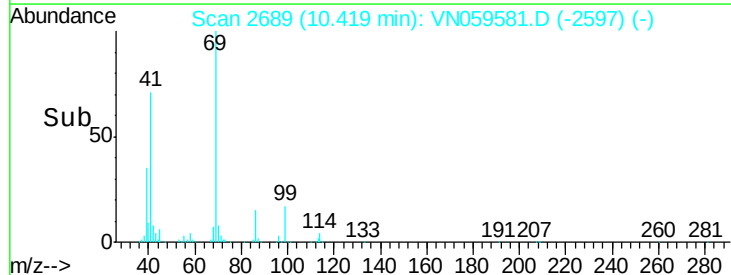
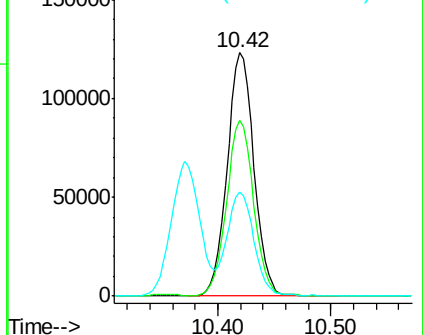
39 42.9 34.2 51.2

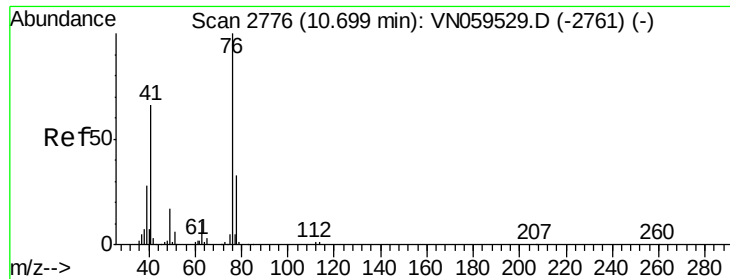


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

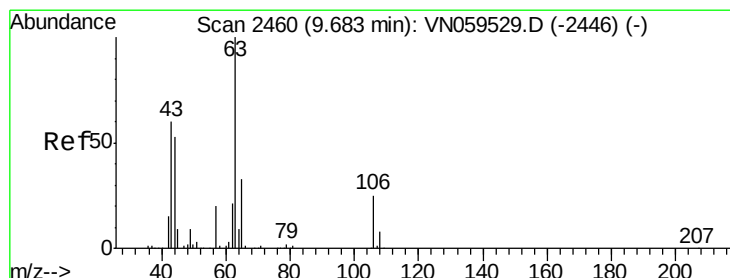
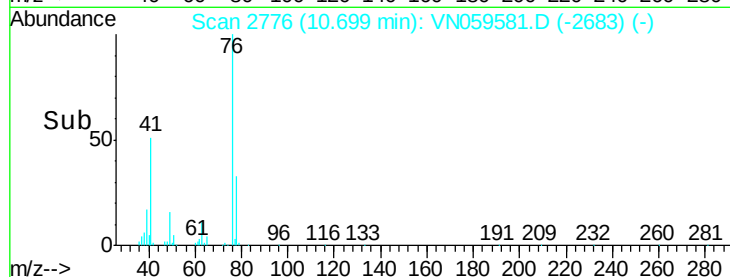
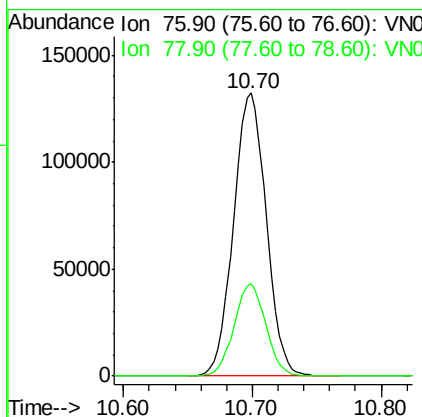
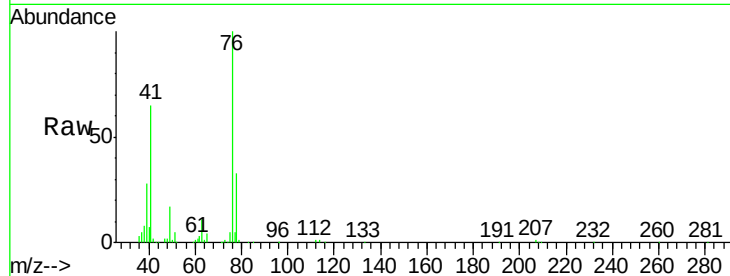




#57
 1,3-Dichloropropane
 Concen: 47.239 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

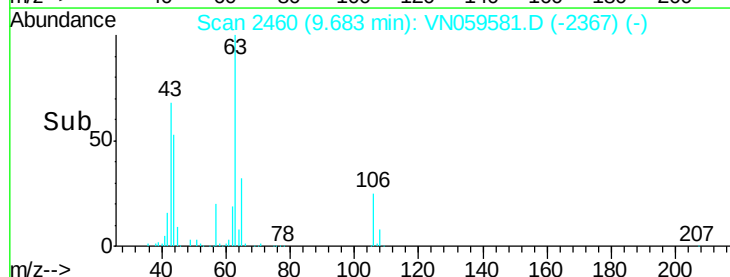
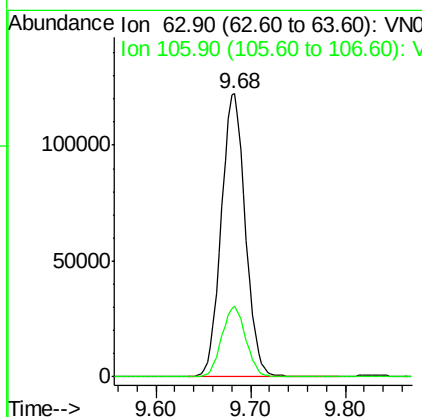
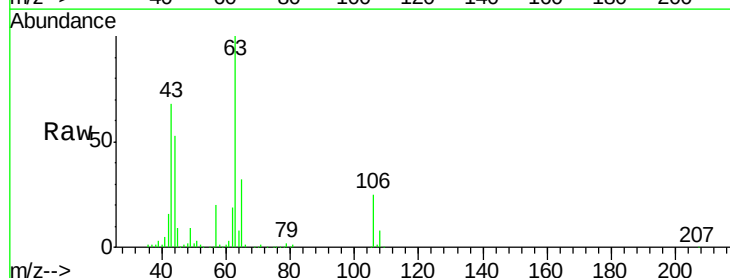
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

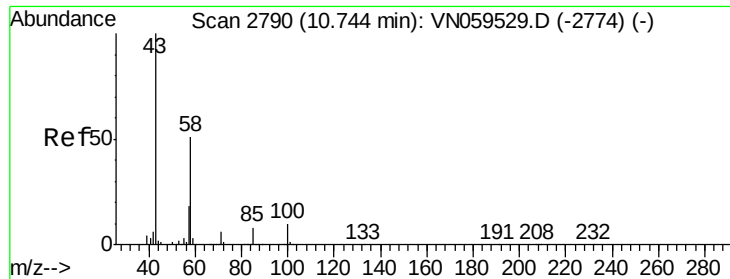
Tgt Ion: 76 Resp: 23381
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 182.893 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion: 63 Resp: 216734
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.9 29.9

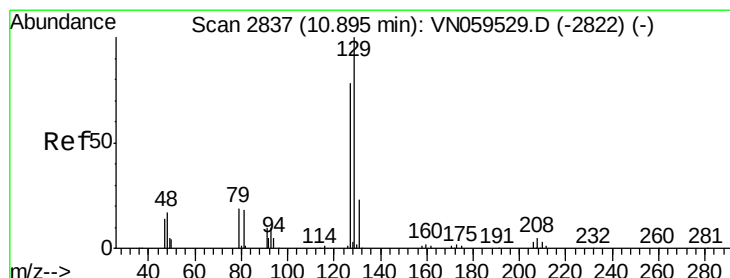
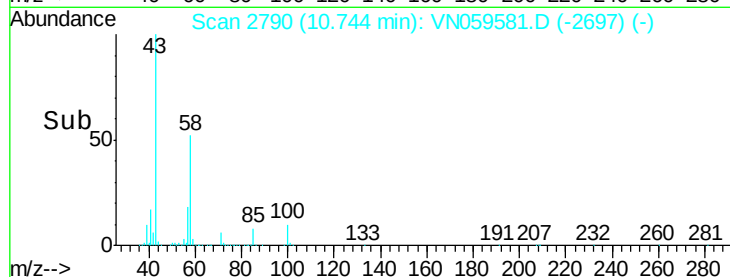
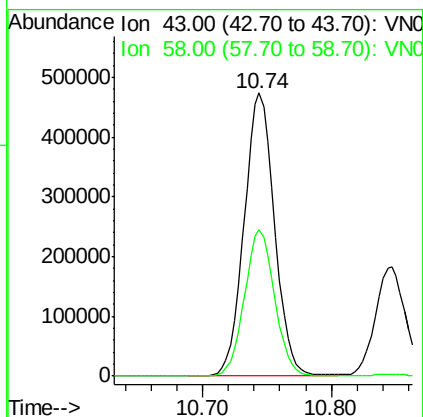
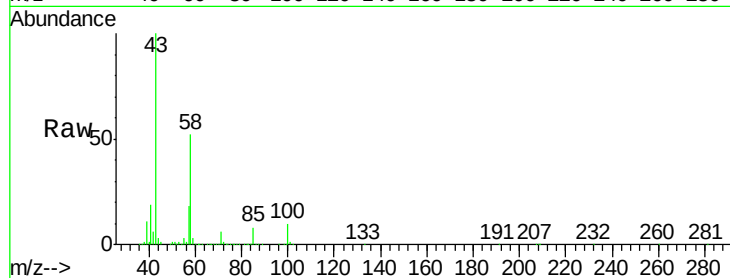




#59
2-Hexanone
Concen: 220.447 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

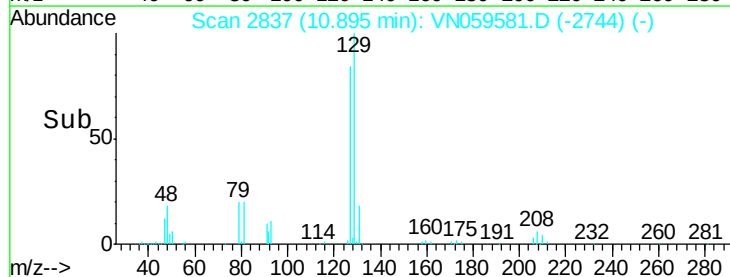
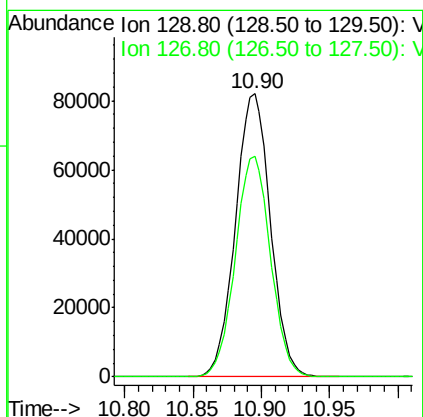
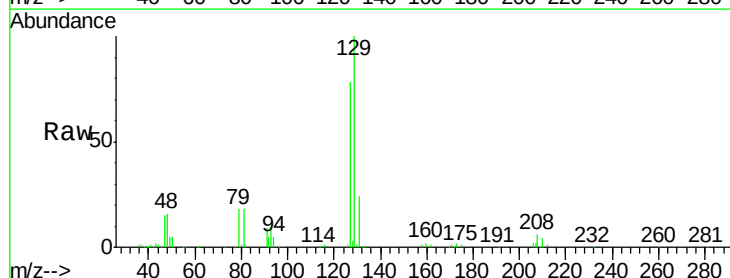
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

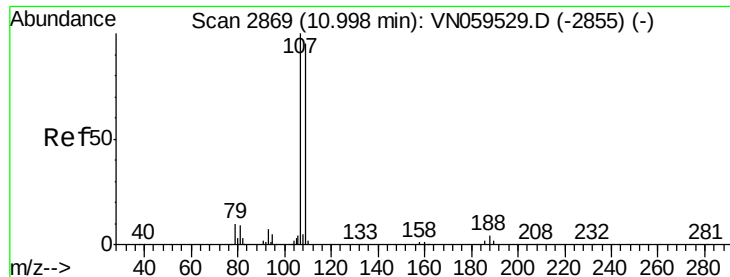
Tgt Ion: 43 Resp: 775101
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.6



#60
Dibromochloromethane
Concen: 42.531 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 129 Resp: 146284
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 45.971 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

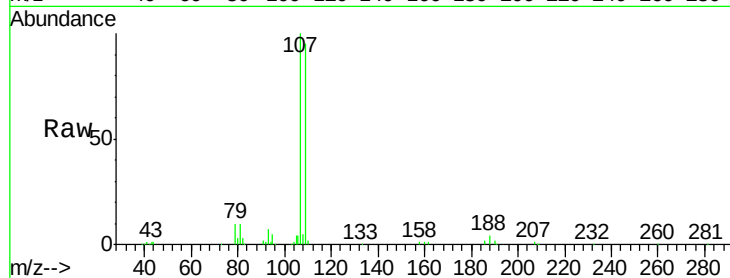
VSTDCCC050EC

Tgt Ion: 107 Resp: 138438

Ion Ratio Lower Upper

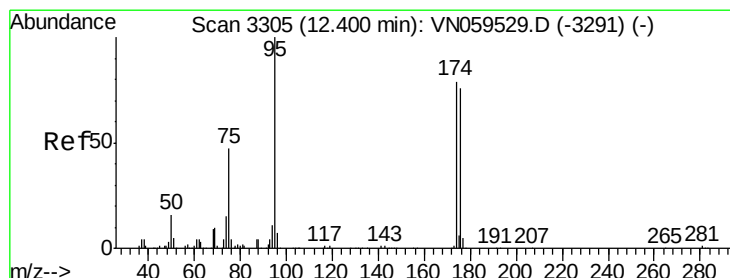
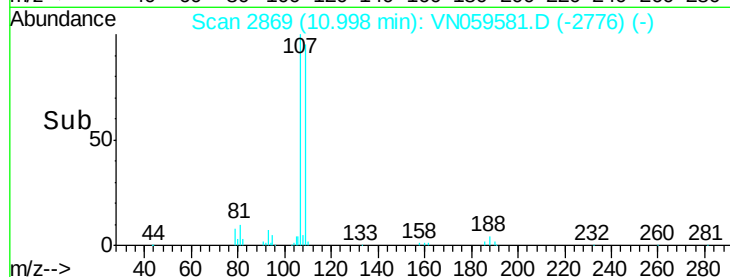
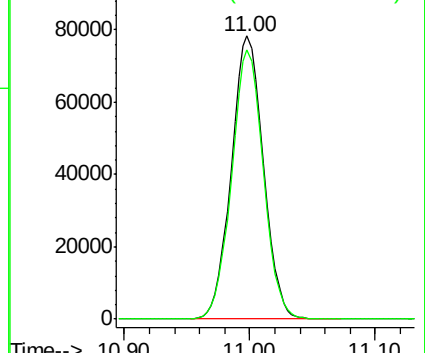
107 100

109 94.4 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.665 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

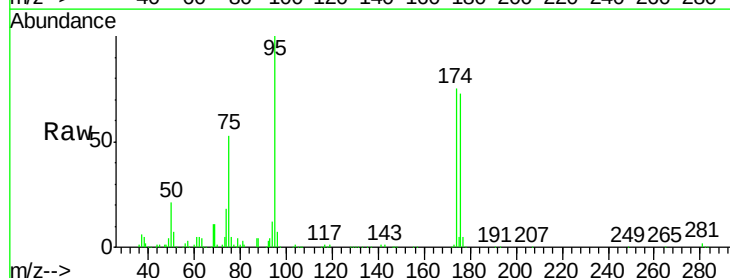
Tgt Ion: 95 Resp: 194524

Ion Ratio Lower Upper

95 100

174 76.9 0.0 158.0

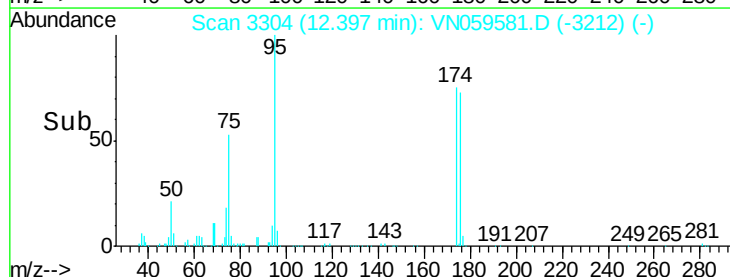
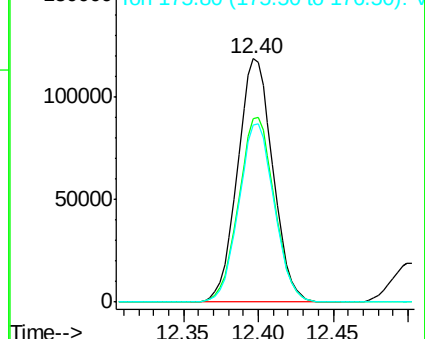
176 73.7 0.0 155.4

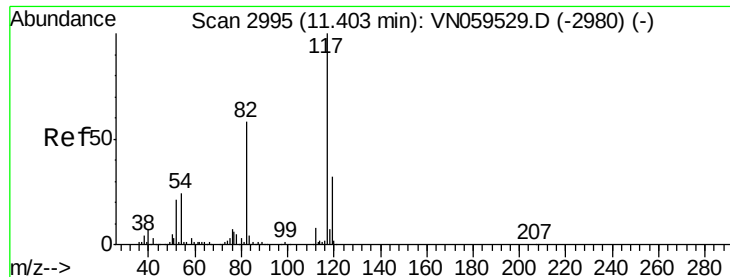


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

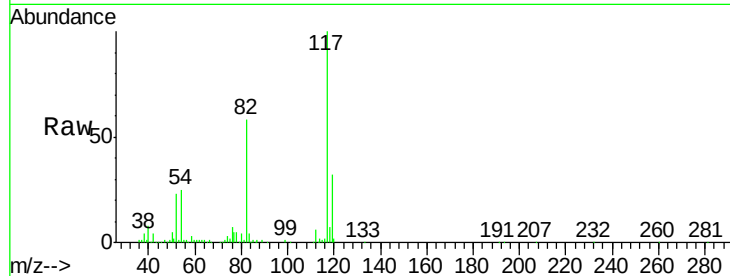
Tgt Ion:117 Resp: 375092

Ion Ratio Lower Upper

117 100

82 58.3 46.5 69.7

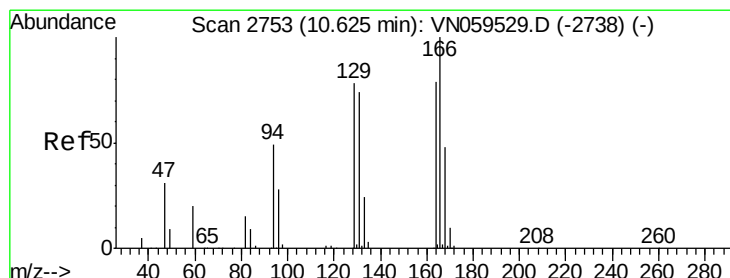
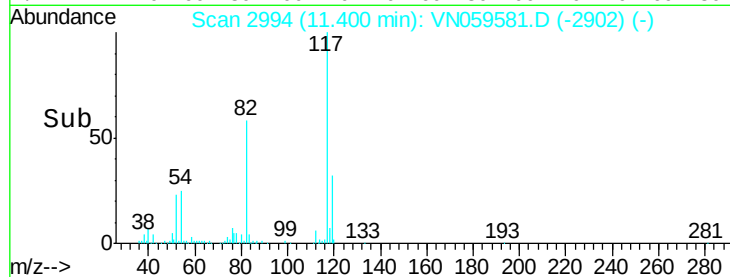
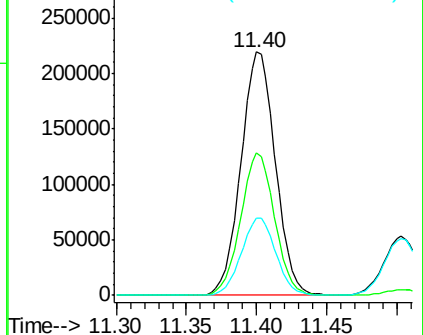
119 31.7 25.2 37.8



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: 45.479 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Tgt Ion:164 Resp: 124675

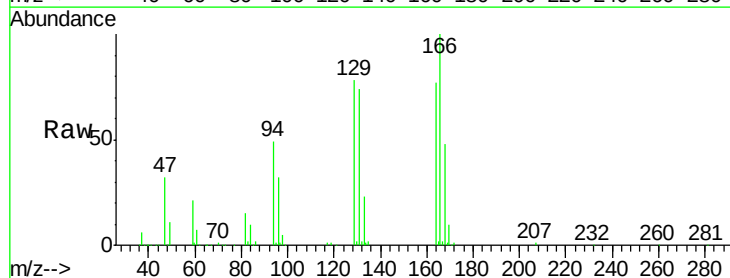
Ion Ratio Lower Upper

164 100

166 130.2 101.6 152.4

129 101.2 79.0 118.6

131 96.1 74.7 112.1

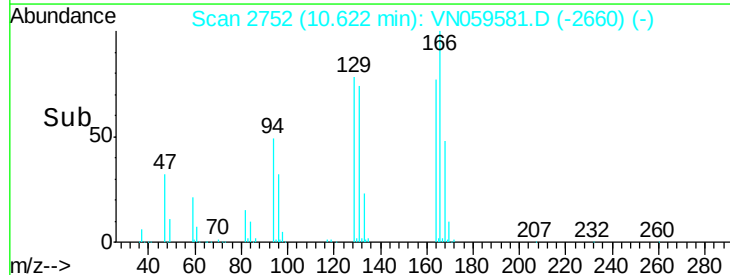
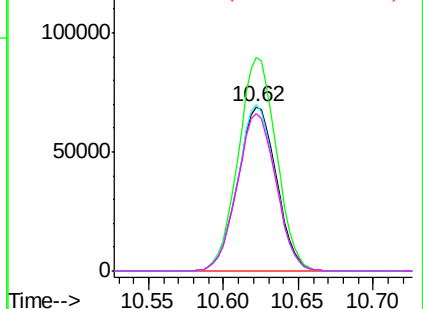


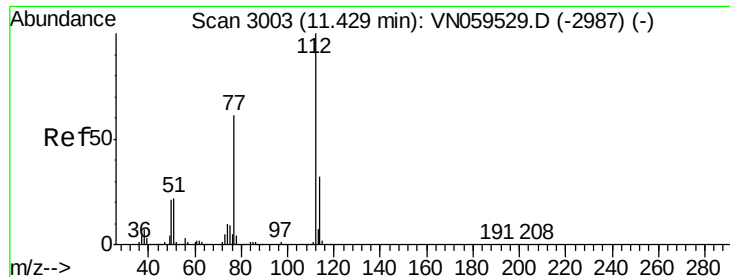
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 44.115 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

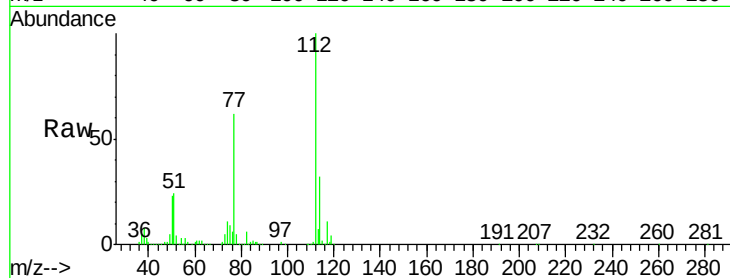
VSTDCCC050EC

Tgt Ion:112 Resp: 346720

Ion Ratio Lower Upper

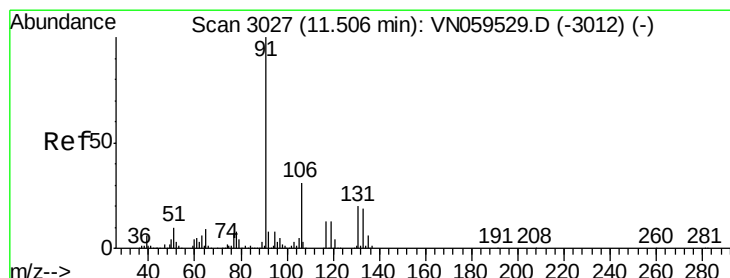
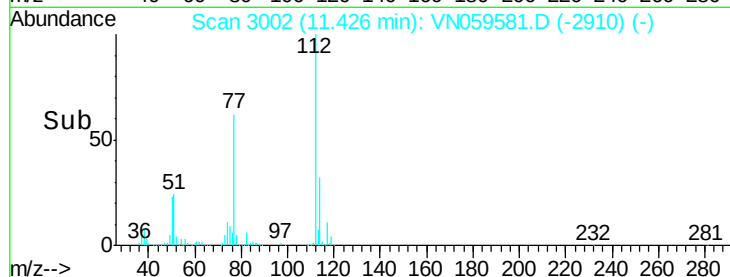
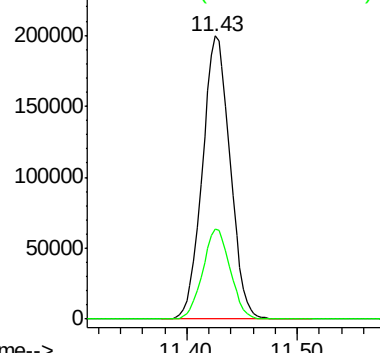
112 100

114 31.7 26.0 39.0



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: 45.475 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

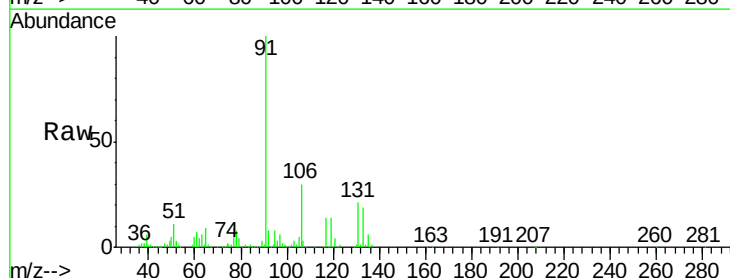
Tgt Ion:131 Resp: 133300

Ion Ratio Lower Upper

131 100

133 95.5 47.8 143.3

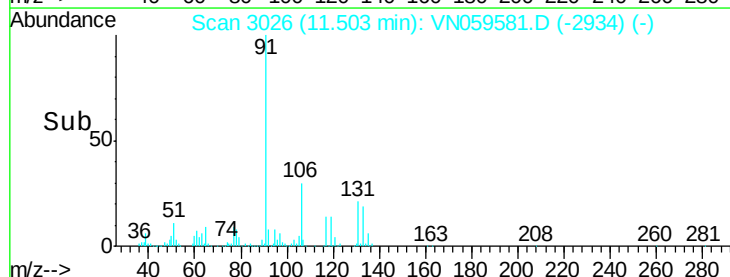
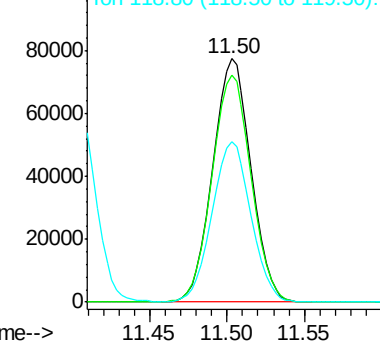
119 67.0 33.4 100.2

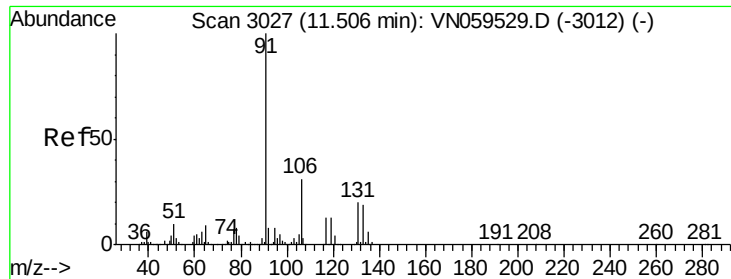


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 45.102 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

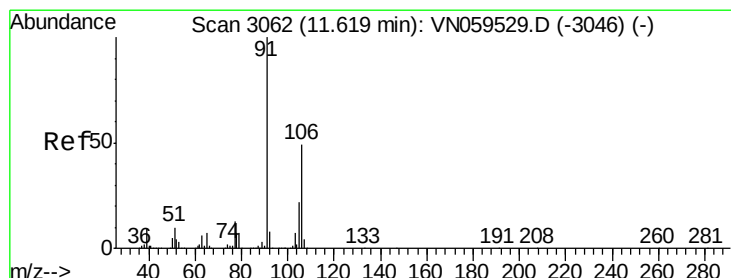
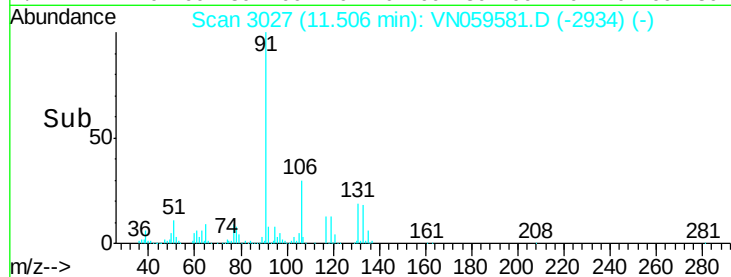
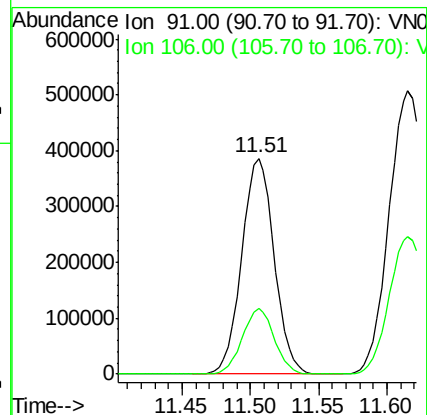
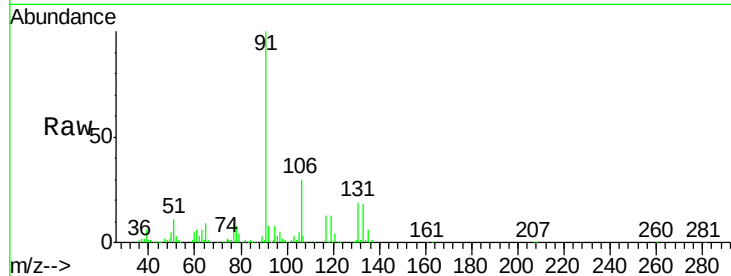
VSTDCCC050EC

Tgt Ion: 91 Resp: 637878

Ion Ratio Lower Upper

91 100

106 30.3 24.5 36.7



#68

m/p-Xylenes

Concen: 89.363 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059581.D

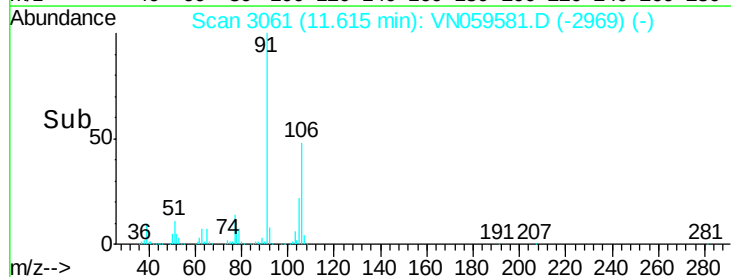
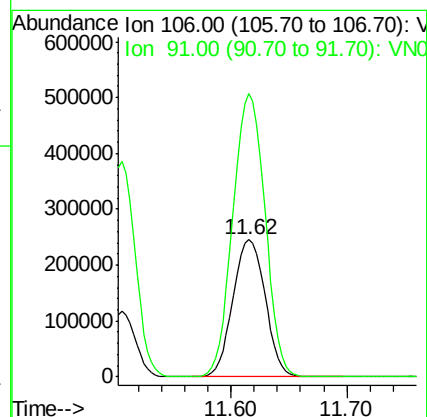
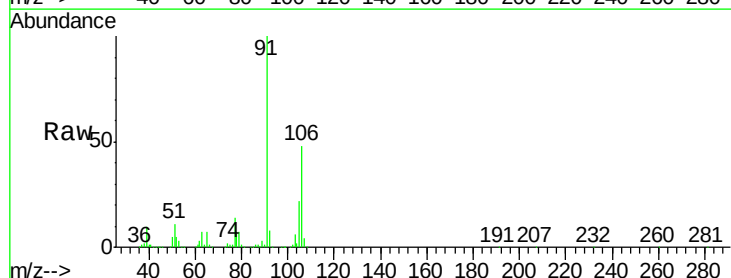
Acq: 12 Dec 2019 18:01

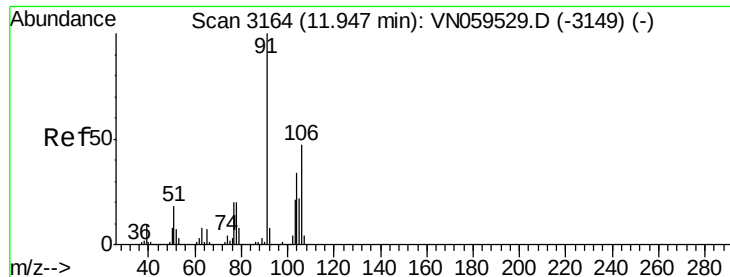
Tgt Ion: 106 Resp: 474111

Ion Ratio Lower Upper

106 100

91 205.2 162.9 244.3

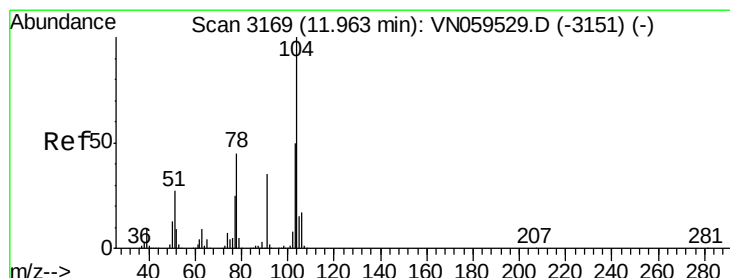
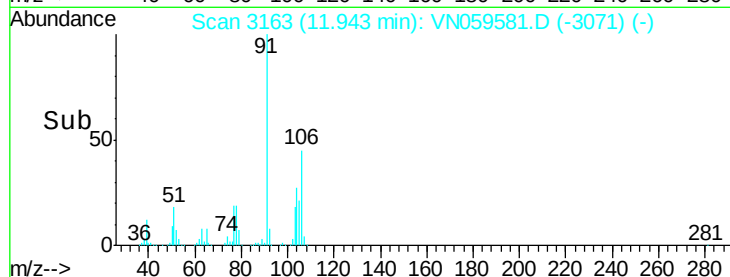
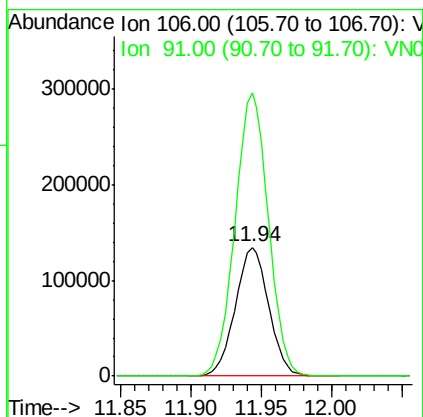
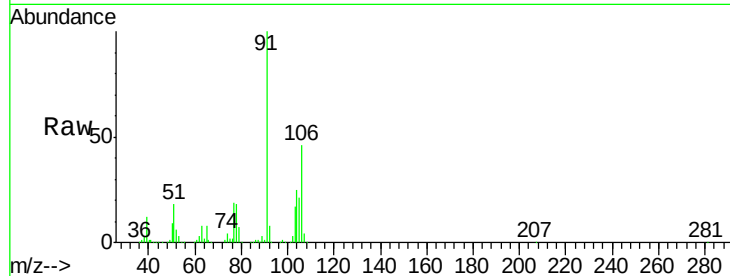




#69
o-Xylene
Concen: 45.209 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

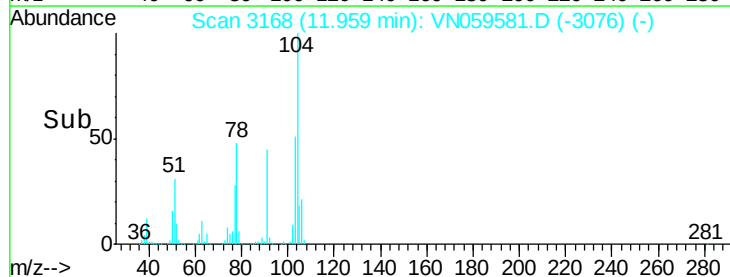
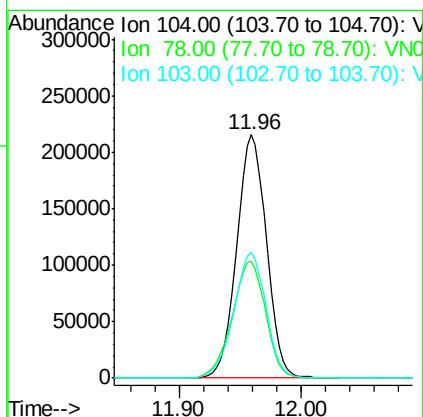
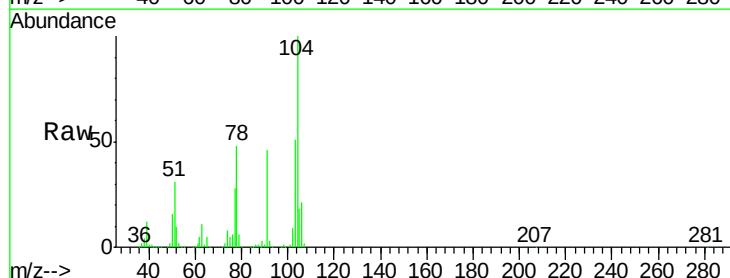
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

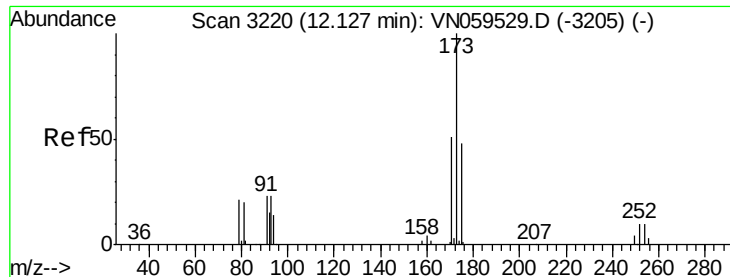
Tgt Ion:106 Resp: 223248
Ion Ratio Lower Upper
106 100
91 220.2 106.7 319.9



#70
Styrene
Concen: 44.374 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion:104 Resp: 363022
Ion Ratio Lower Upper
104 100
78 53.8 40.6 60.8
103 56.0 43.9 65.9

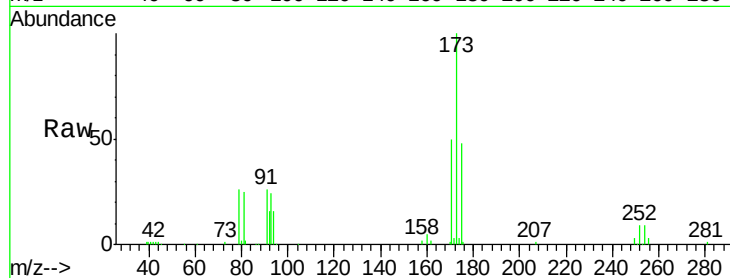




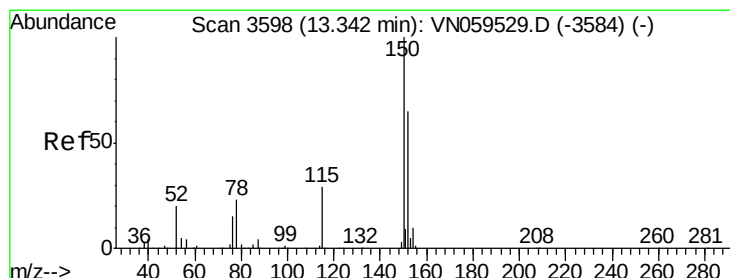
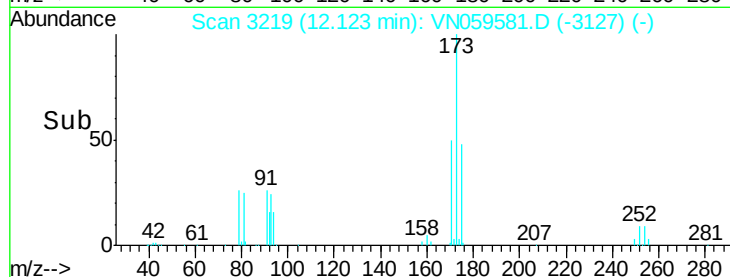
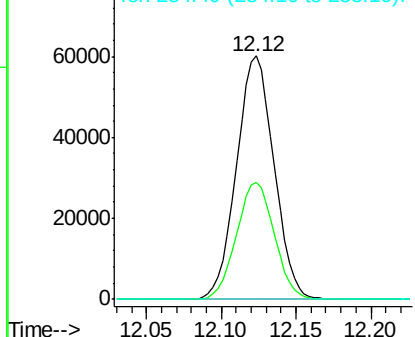
#71
Bromoform
Concen: 45.518 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 104984
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.4
254 0.0 0.0 0.0

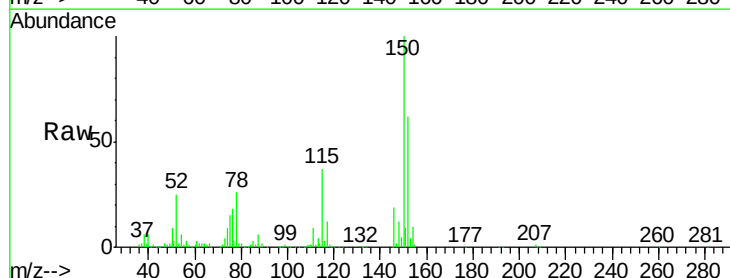


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

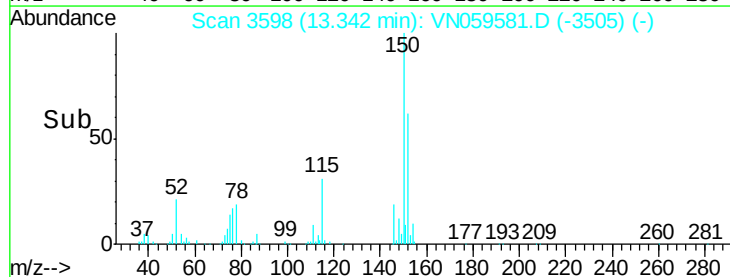
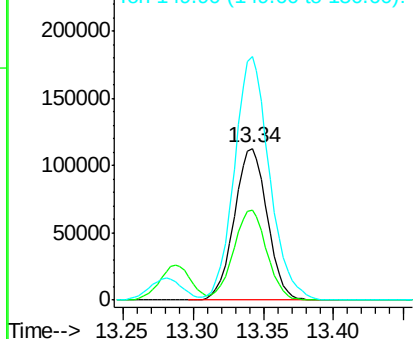


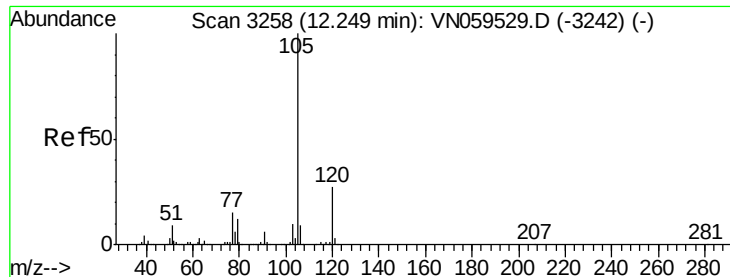
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion:152 Resp: 184466
Ion Ratio Lower Upper
152 100
115 59.7 29.4 88.2
150 170.3 0.0 342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.796 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

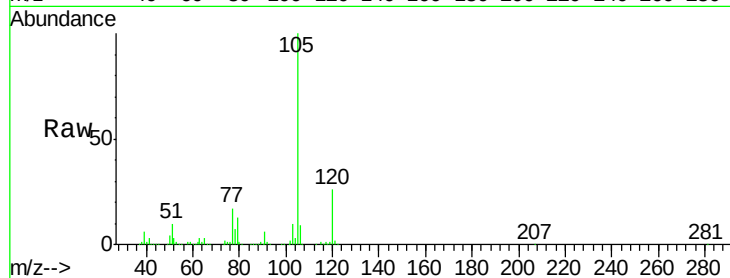
VSTDCCC050EC

Tgt Ion: 105 Resp: 606009

Ion Ratio Lower Upper

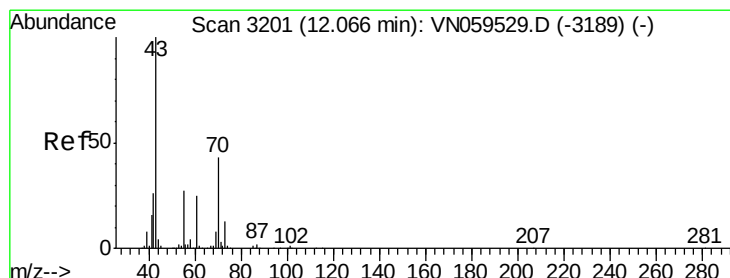
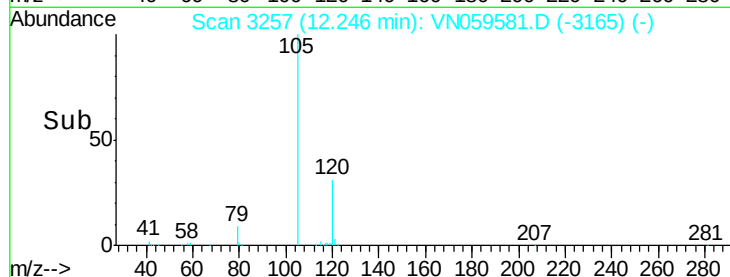
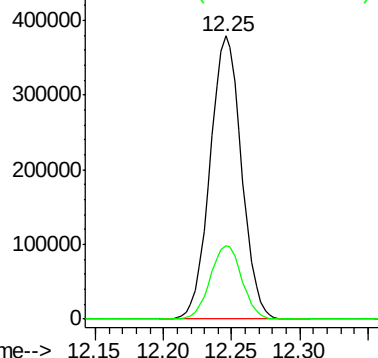
105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.412 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Tgt Ion: 43 Resp: 291797

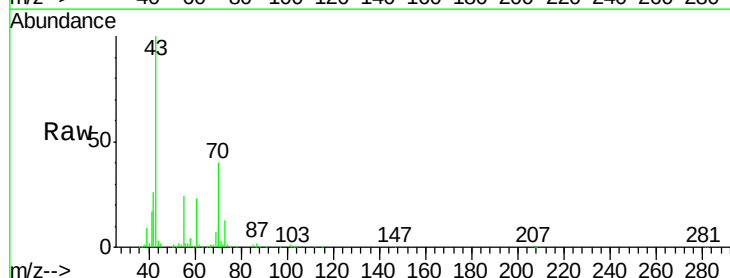
Ion Ratio Lower Upper

43 100

70 40.1 34.2 51.4

55 25.0 21.3 31.9

61 22.9 19.8 29.8

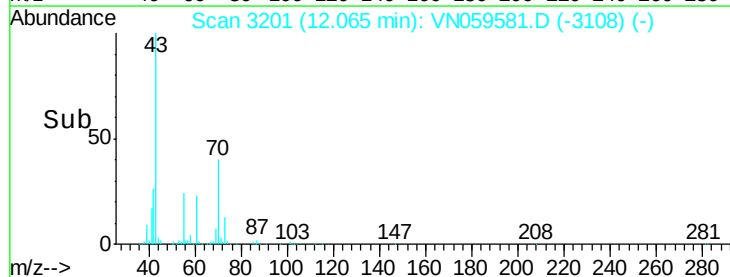
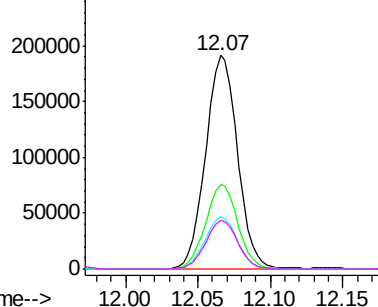


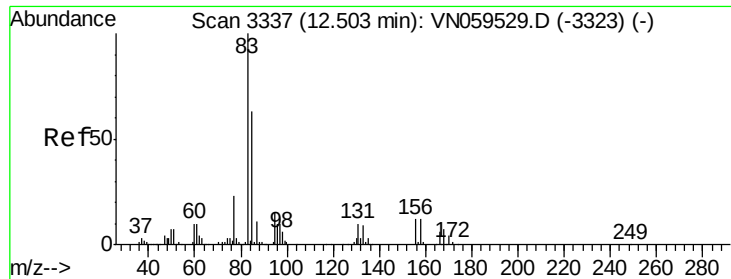
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 42.099 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

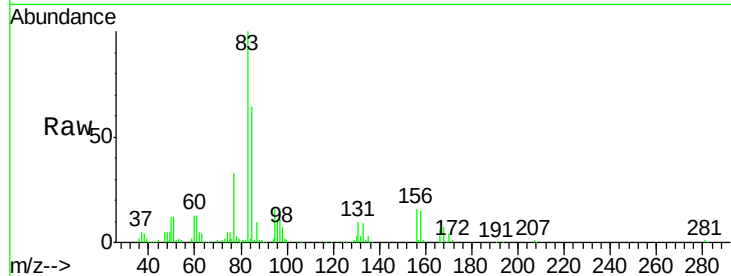
Tgt Ion: 83 Resp: 197388

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

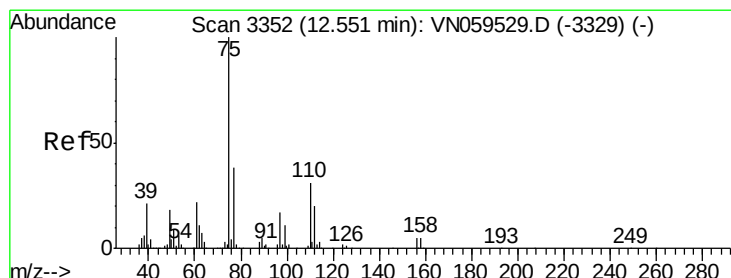
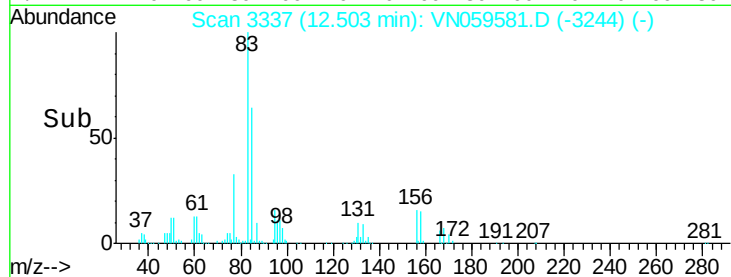
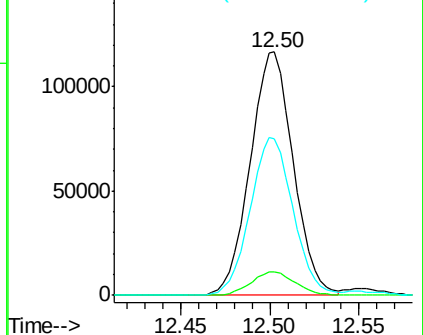
85 64.4 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 60.229 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059581.D

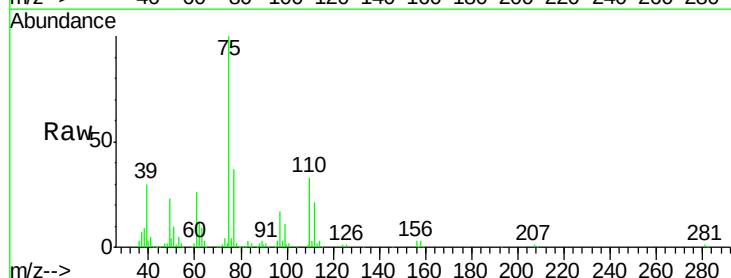
Acq: 12 Dec 2019 18:01

Tgt Ion: 75 Resp: 284117

Ion Ratio Lower Upper

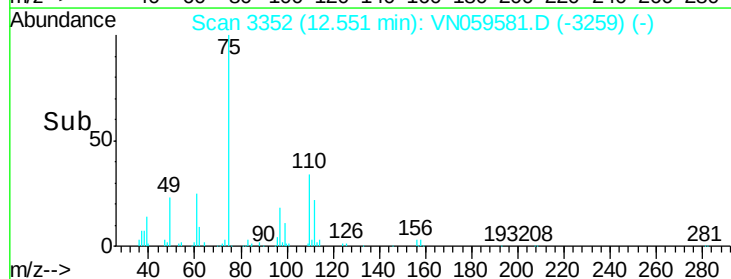
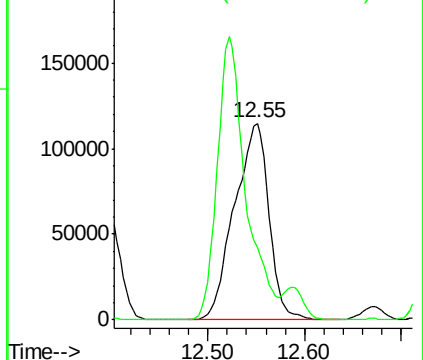
75 100

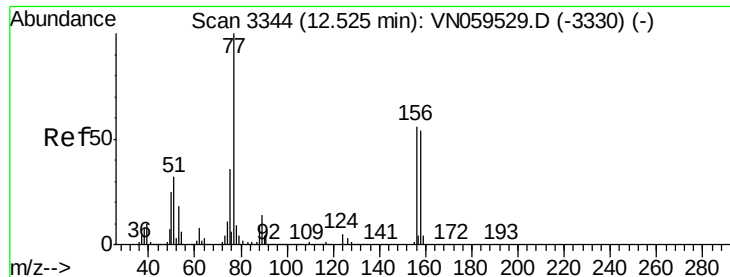
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 41.667 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

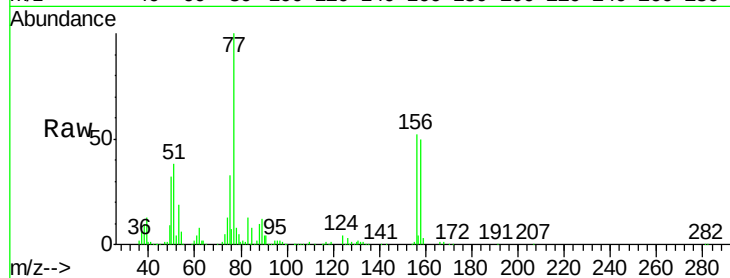
Tgt Ion:156 Resp: 143535

Ion Ratio Lower Upper

156 100

77 236.3 109.3 327.8

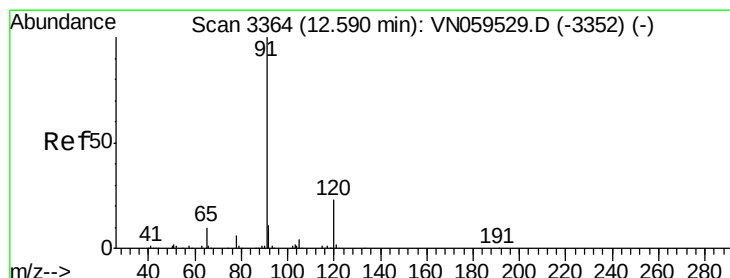
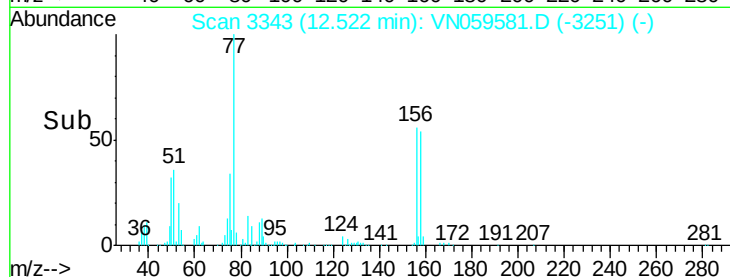
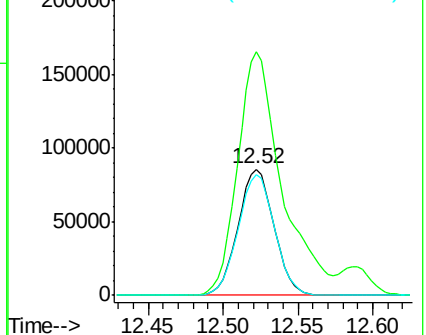
158 97.0 48.6 145.8



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: 42.364 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059581.D

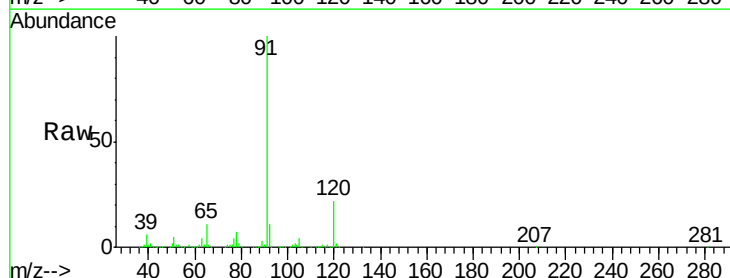
Acq: 12 Dec 2019 18:01

Tgt Ion: 91 Resp: 720331

Ion Ratio Lower Upper

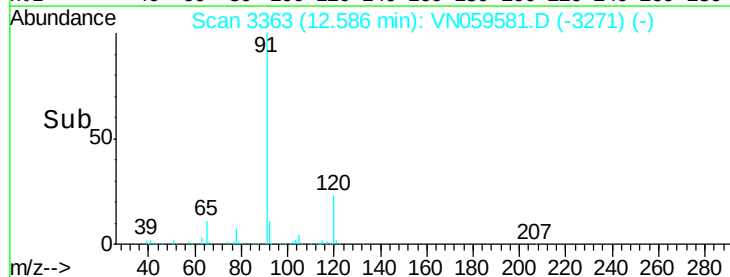
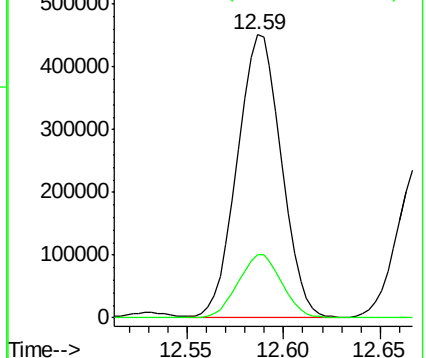
91 100

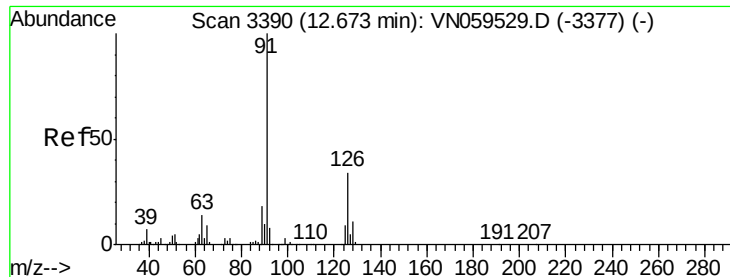
120 22.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.679 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

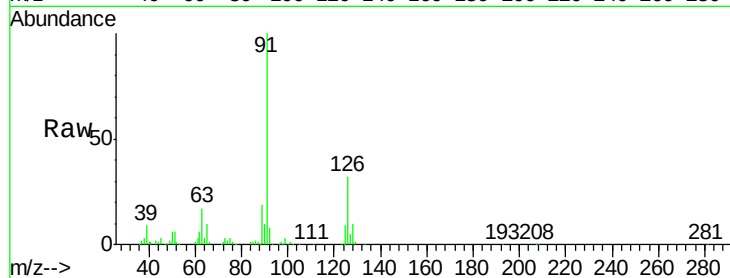
VSTDCCC050EC

Tgt Ion: 91 Resp: 422584

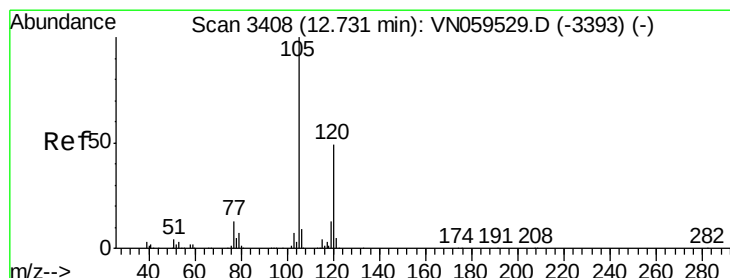
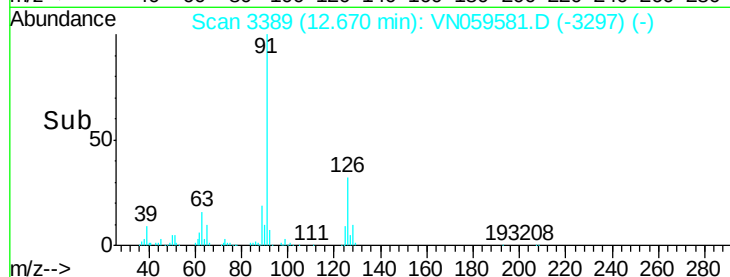
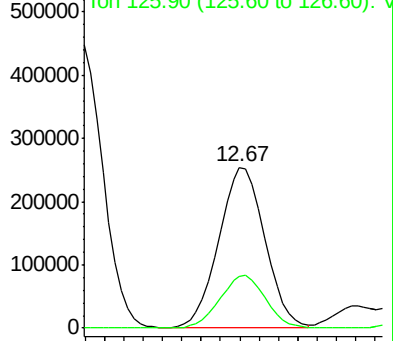
Ion Ratio Lower Upper

91 100

126 32.5 16.9 50.7



Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.280 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059581.D

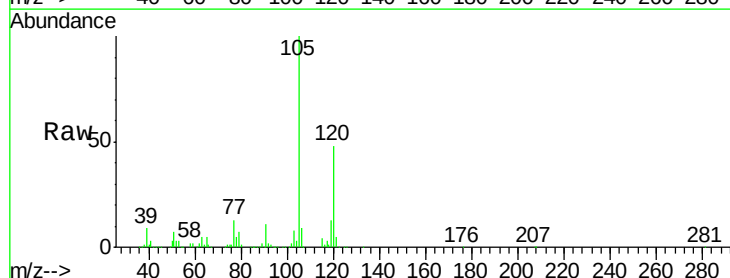
Acq: 12 Dec 2019 18:01

Tgt Ion: 105 Resp: 513537

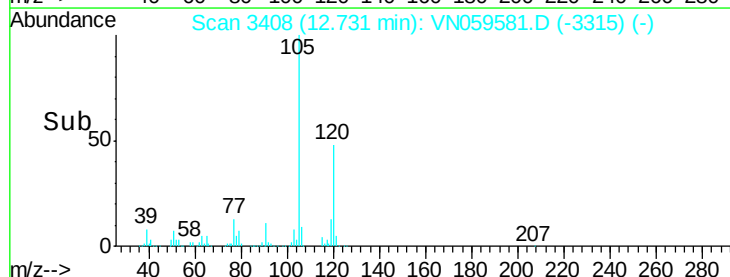
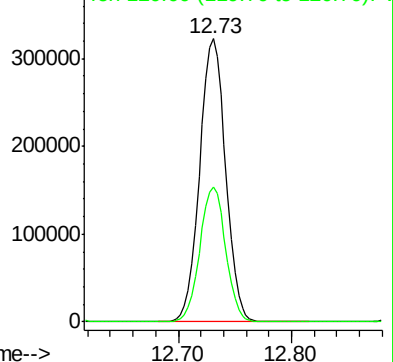
Ion Ratio Lower Upper

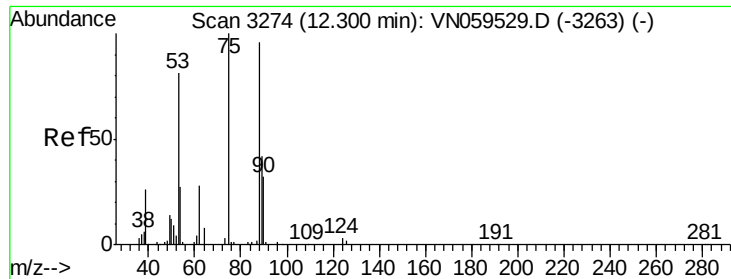
105 100

120 47.7 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.001 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

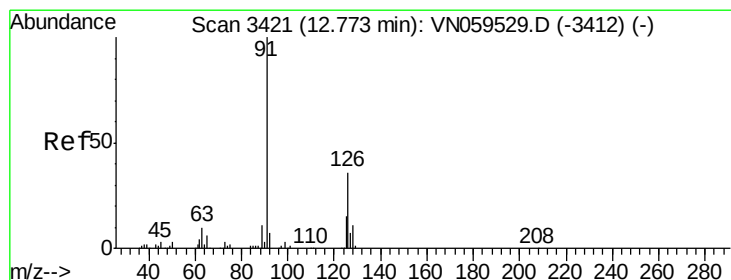
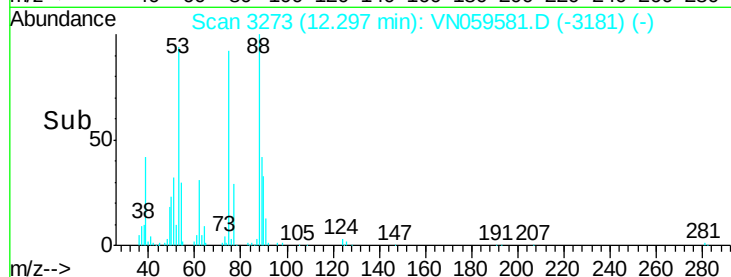
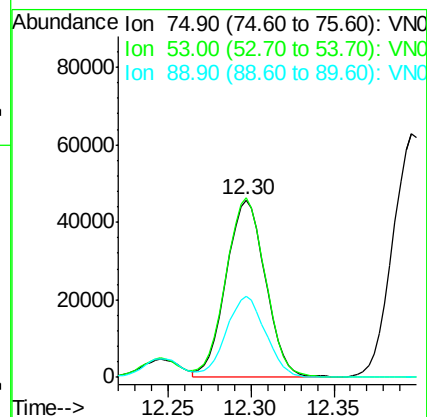
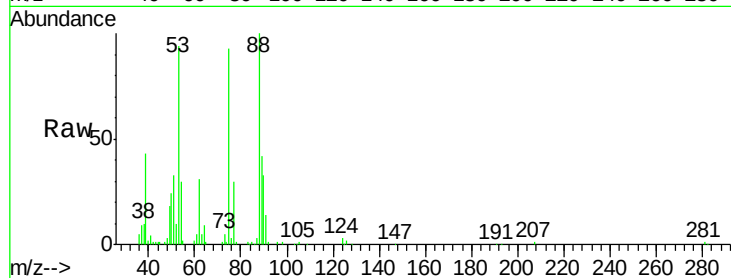
Tgt Ion: 75 Resp: 75395

Ion Ratio Lower Upper

75 100

53 102.1 67.0 100.6#

89 46.2 35.5 53.3



#82

4-Chlorotoluene

Concen: 42.648 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059581.D

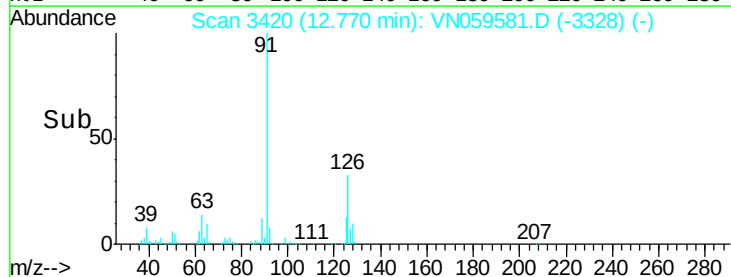
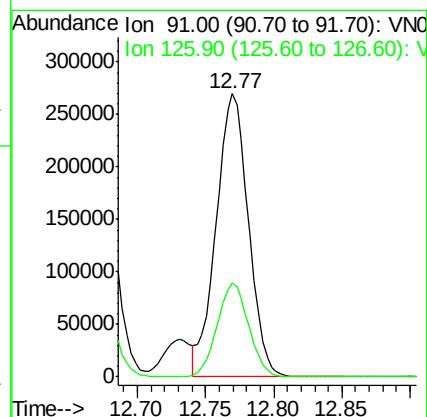
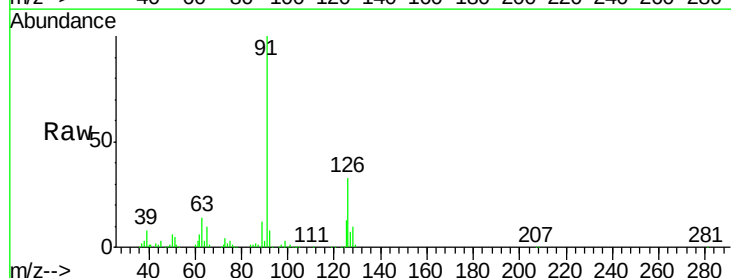
Acq: 12 Dec 2019 18:01

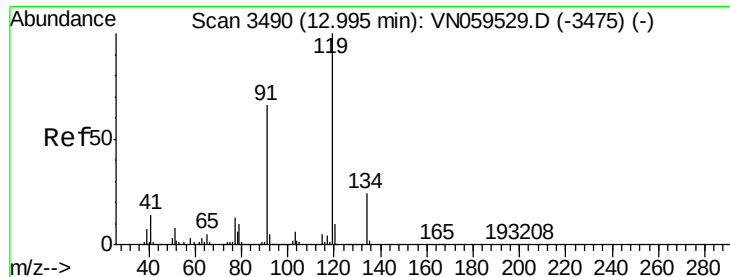
Tgt Ion: 91 Resp: 442146

Ion Ratio Lower Upper

91 100

126 32.3 16.4 49.4

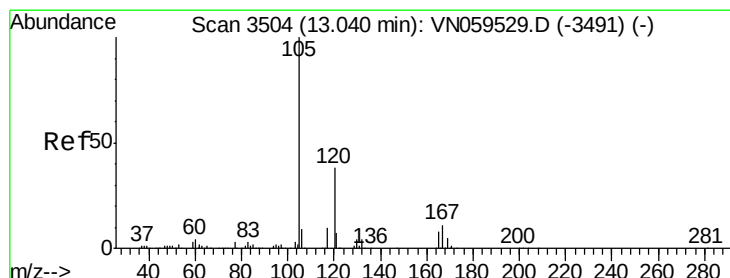
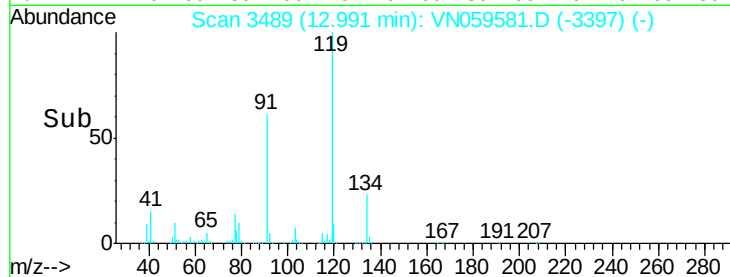
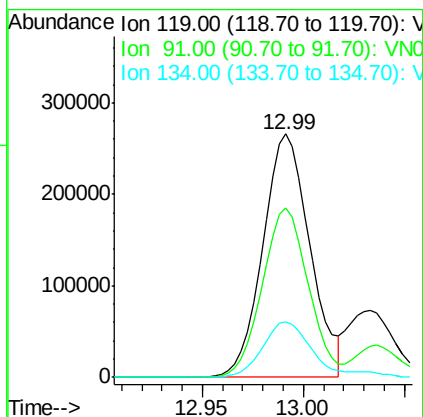
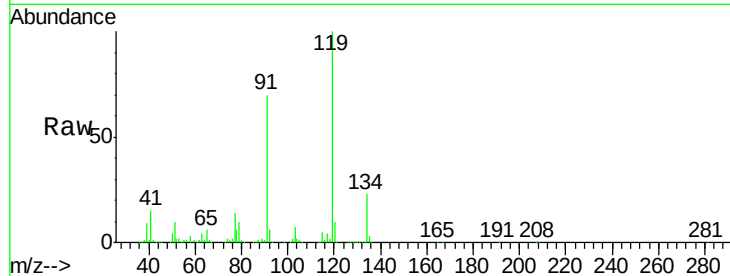




#83
 tert-Butylbenzene
 Concen: 43.569 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

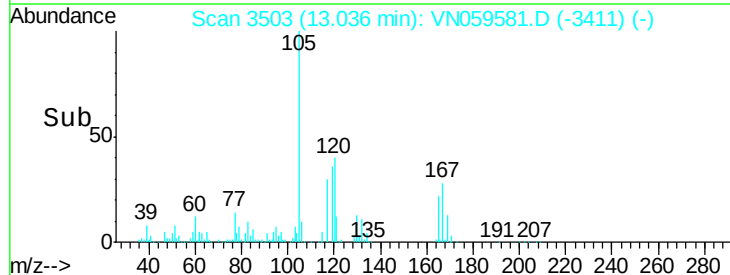
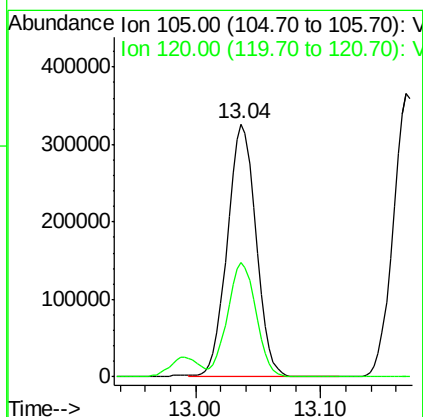
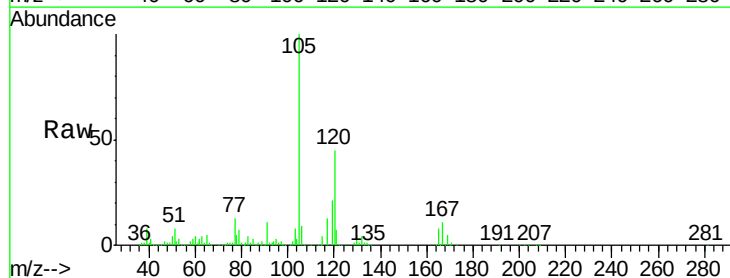
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

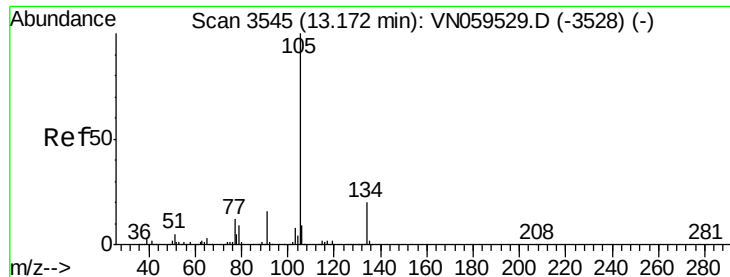
Tgt Ion:119 Resp: 431103
 Ion Ratio Lower Upper
 119 100
 91 68.4 32.8 98.4
 134 24.9 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 44.092 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion:105 Resp: 516587
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.3





#85

sec-Butylbenzene

Concen: 42.988 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

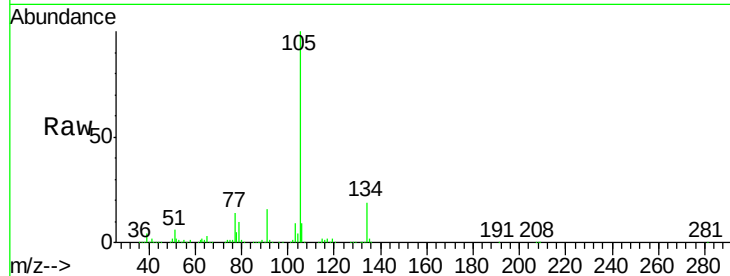
VSTDCCC050EC

Tgt Ion:105 Resp: 584237

Ion Ratio Lower Upper

105 100

134 19.3 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

400000

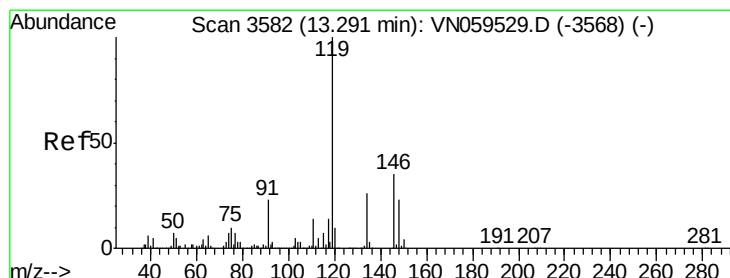
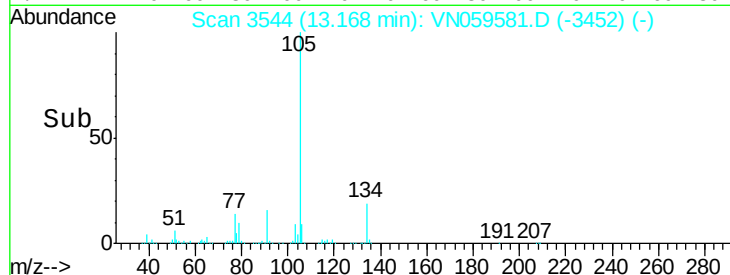
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 43.936 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

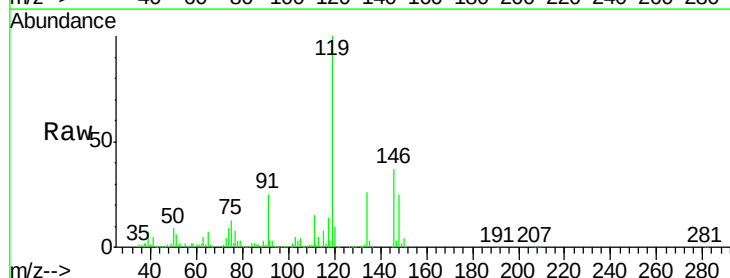
Tgt Ion:119 Resp: 533695

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 24.8 11.7 35.1



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

13.29

400000

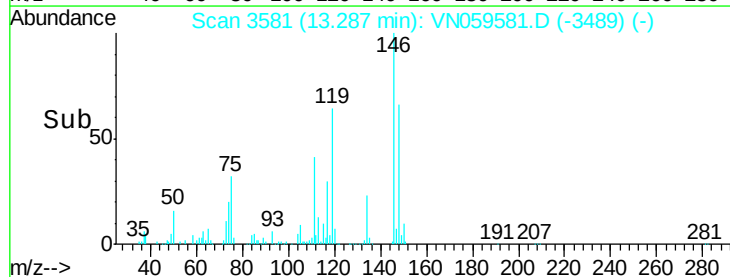
300000

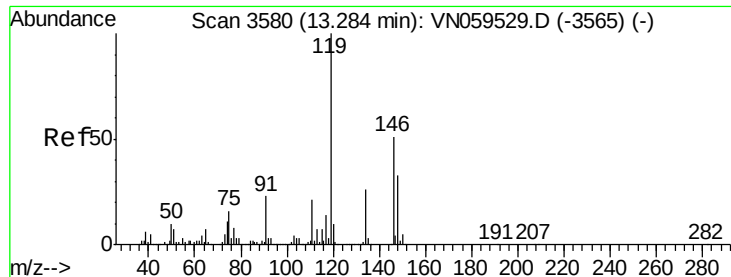
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 41.593 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

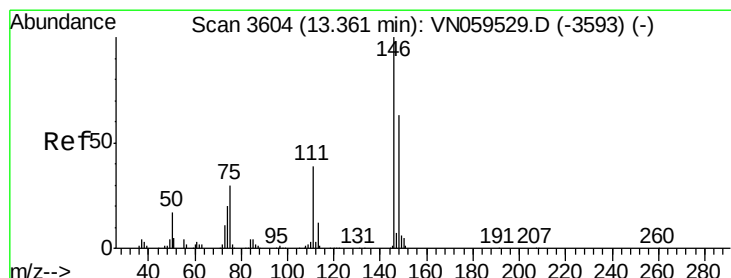
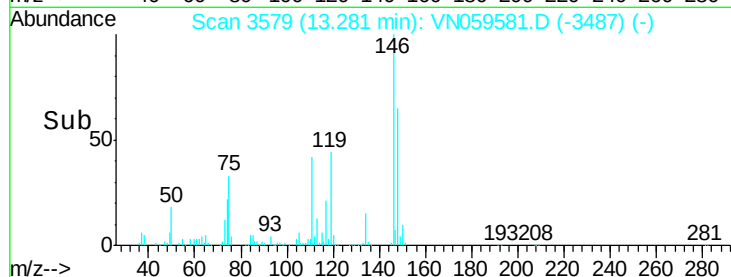
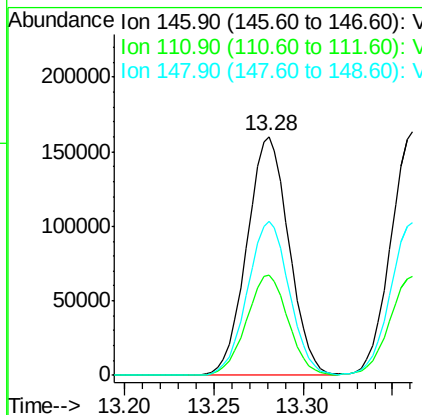
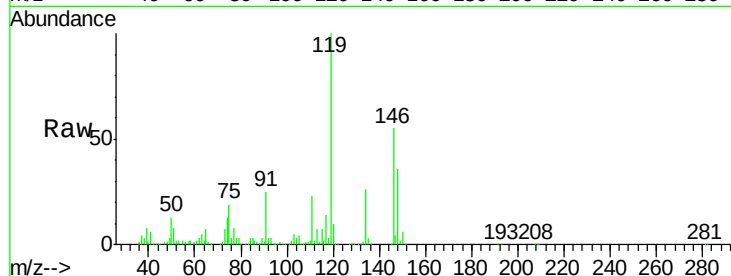
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	263905
Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.8
148	64.1	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 42.875 ug/l

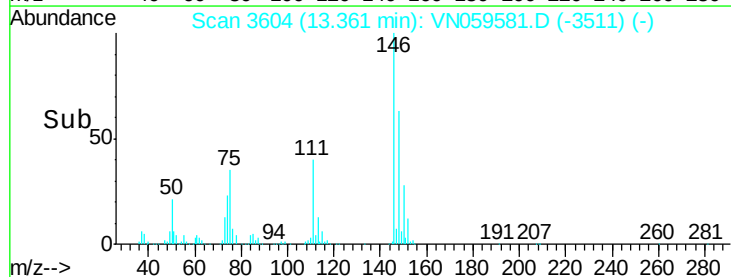
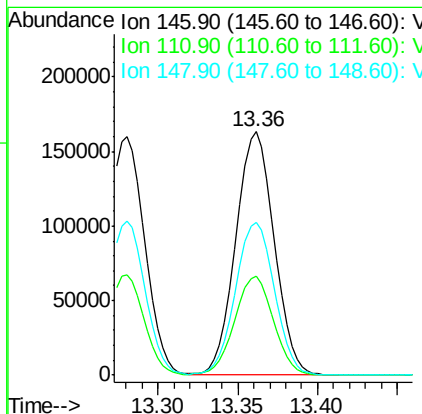
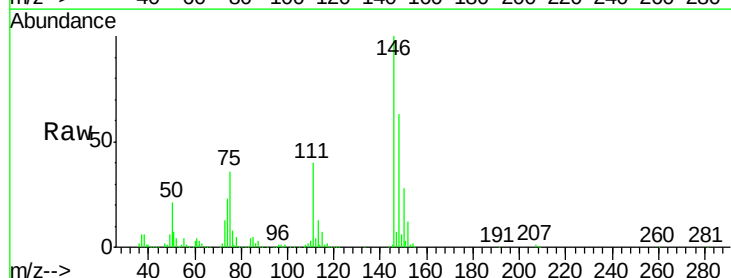
RT: 13.36 min Scan# 3604

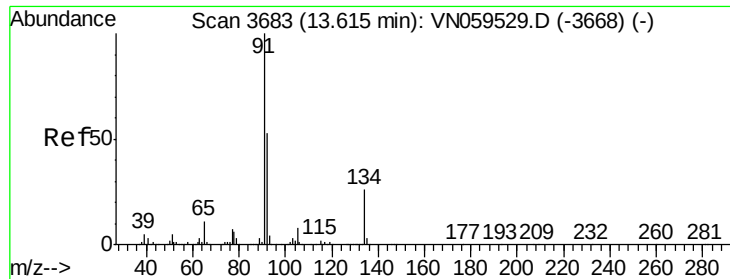
Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Tgt Ion:	146	Resp:	266369
Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	59.9
148	64.2	31.9	95.7

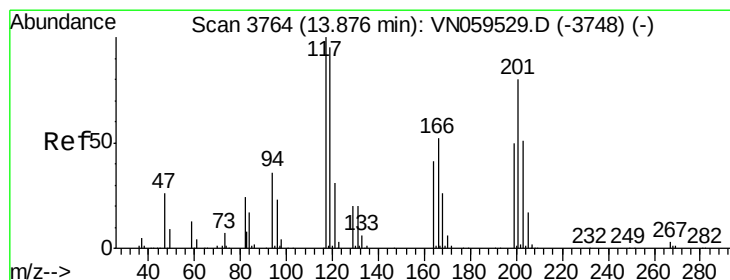
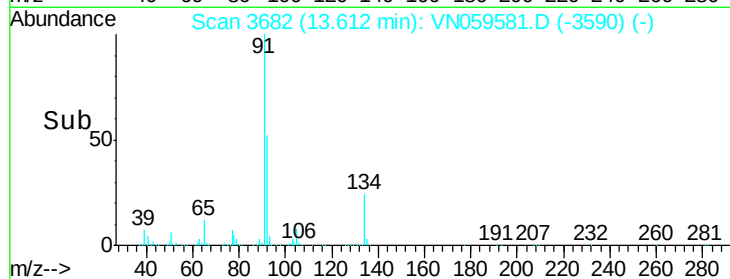
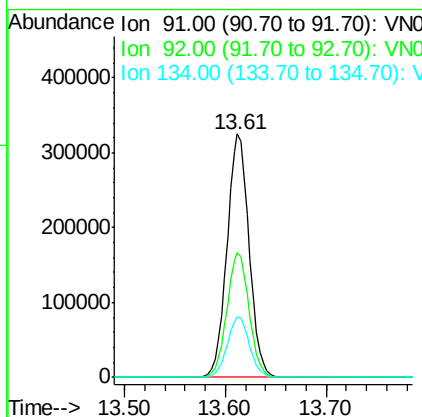
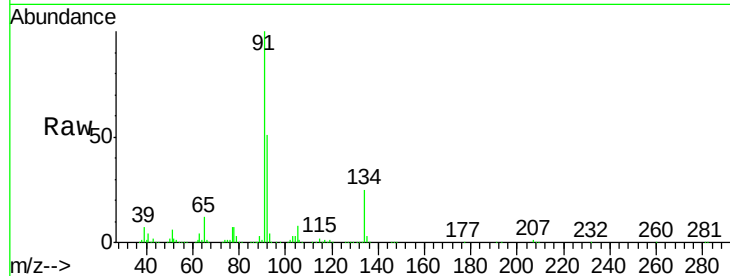




#89
n-Butylbenzene
Concen: 43.595 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

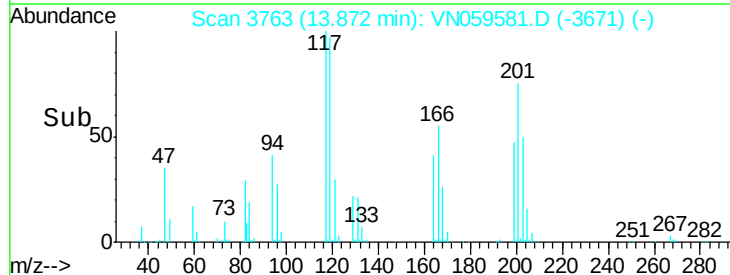
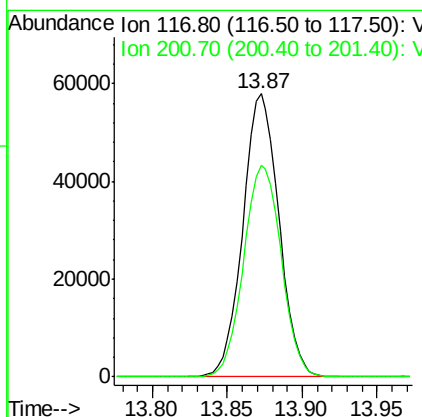
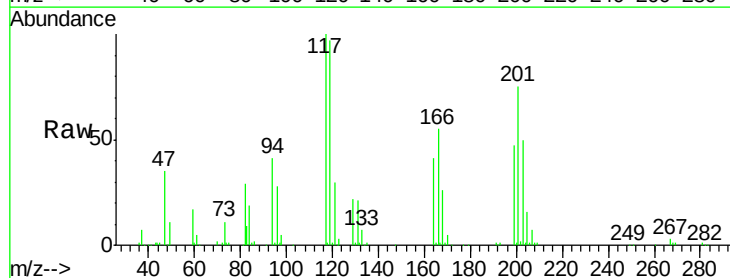
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

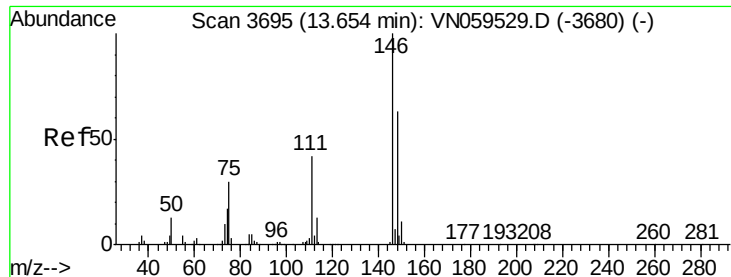
Tgt Ion: 91 Resp: 497235
Ion Ratio Lower Upper
91 100
92 51.5 26.3 78.9
134 24.9 12.8 38.4



#90
Hexachloroethane
Concen: 43.435 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion: 117 Resp: 96896
Ion Ratio Lower Upper
117 100
201 78.1 40.5 121.5





#91

1,2-Dichlorobenzene

Concen: 44.247 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

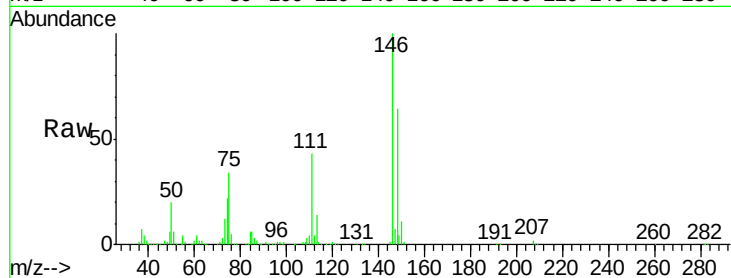
Tgt Ion:146 Resp: 263463

Ion Ratio Lower Upper

146 100

111 43.4 20.9 62.7

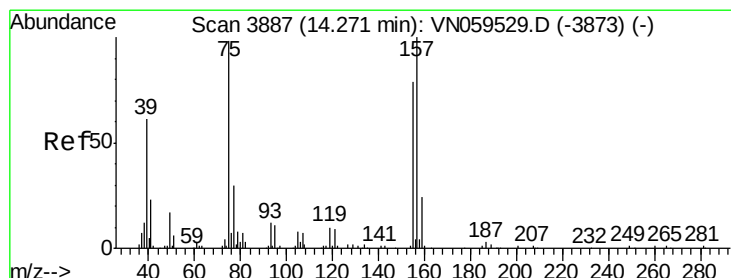
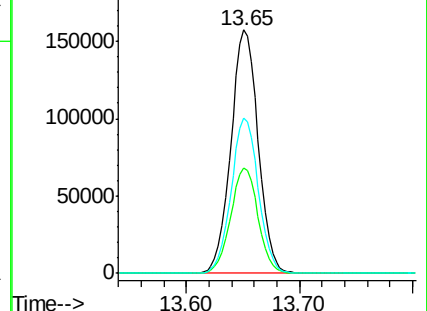
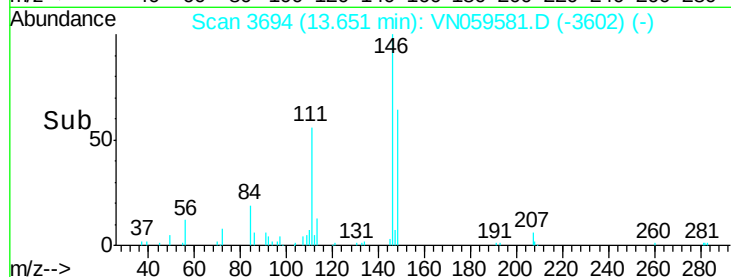
148 63.8 31.6 94.8



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: 44.150 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN059581.D

Acq: 12 Dec 2019 18:01

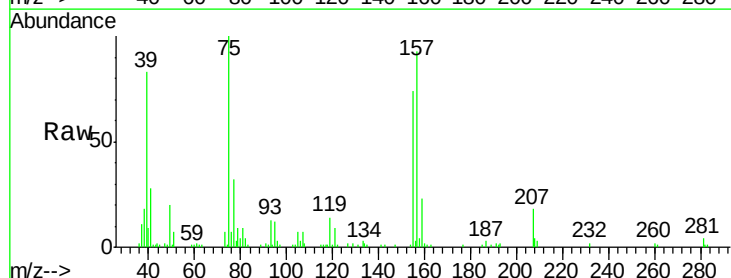
Tgt Ion: 75 Resp: 47194

Ion Ratio Lower Upper

75 100

155 73.9 40.4 121.1

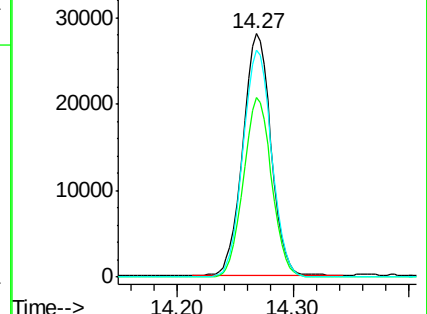
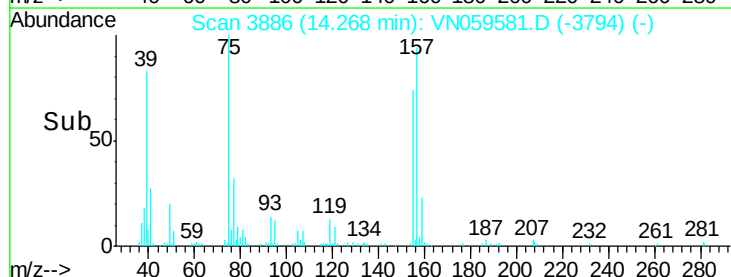
157 95.2 51.1 153.3

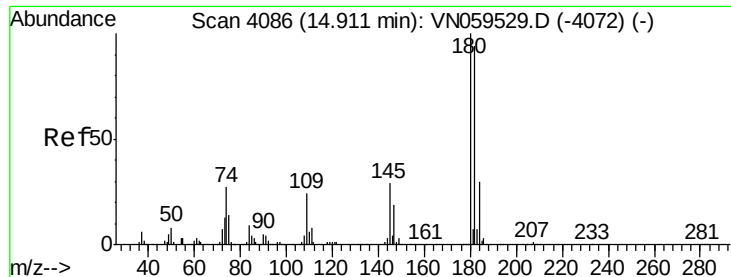


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

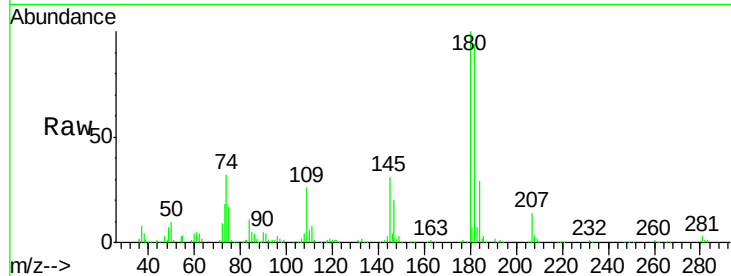




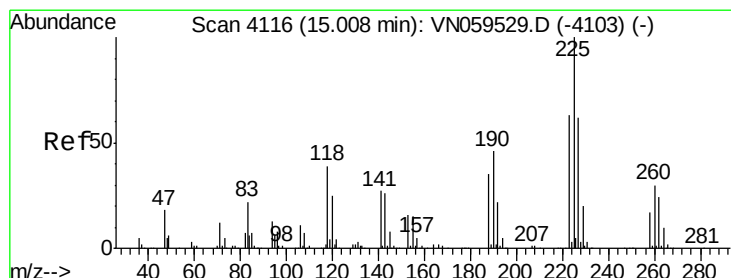
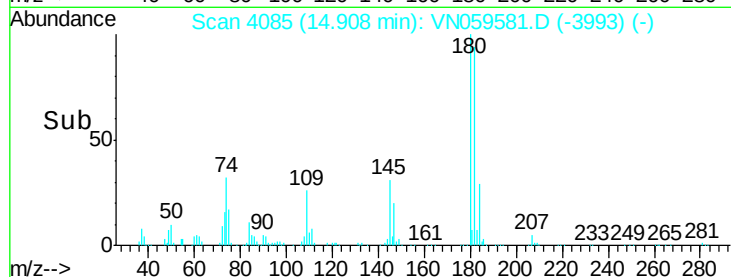
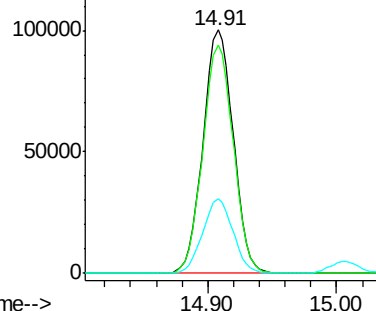
#93
 1,2,4-Trichlorobenzene
 Concen: 39.630 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 163209
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.3 142.0
 145 30.6 14.9 44.7

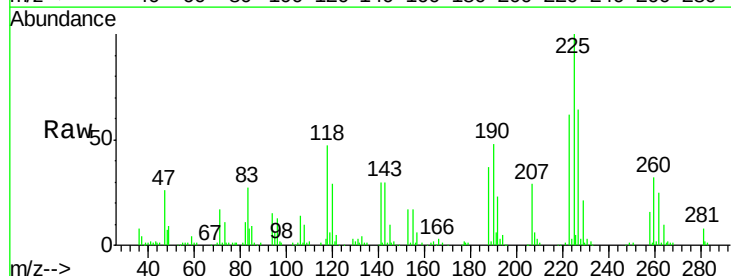


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

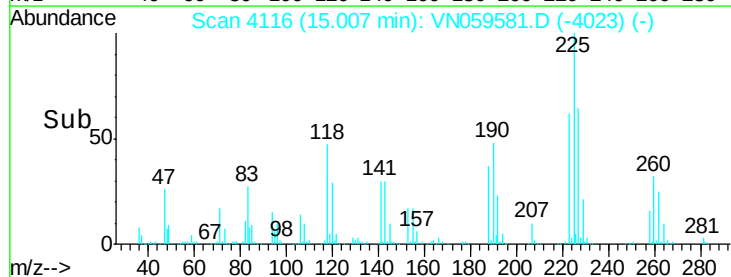
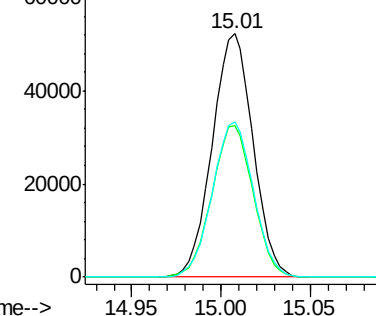


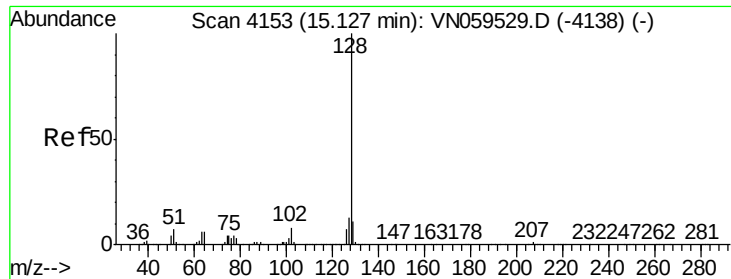
#94
 Hexachlorobutadiene
 Concen: 39.810 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059581.D
 Acq: 12 Dec 2019 18:01

Tgt Ion:225 Resp: 83759
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.3 93.9
 227 64.0 31.6 95.0



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

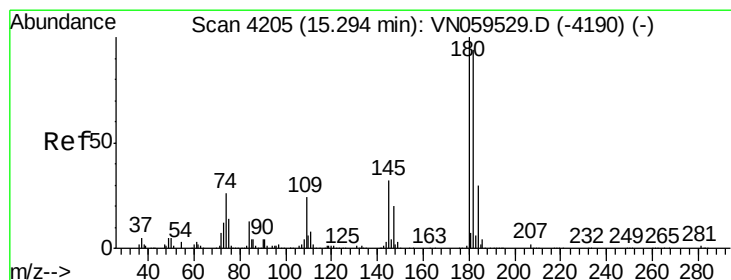
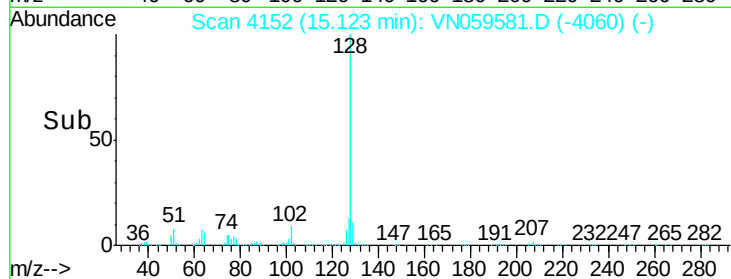
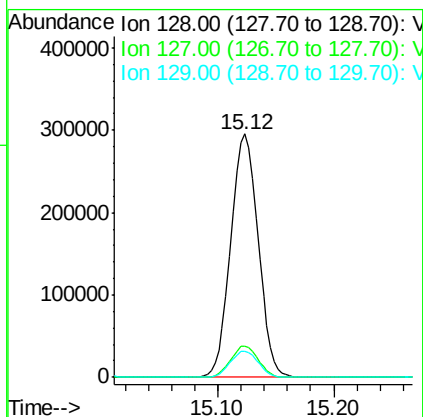
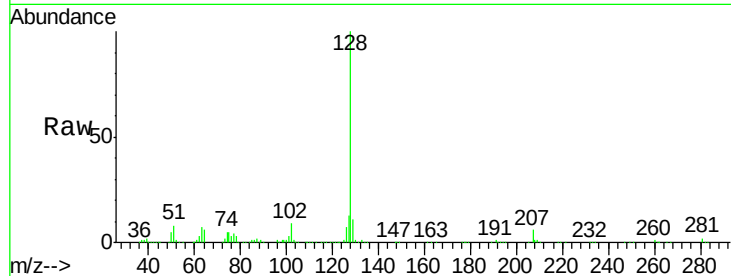




#95
Naphthalene
Concen: 40.164 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 40.196 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059581.D
Acq: 12 Dec 2019 18:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.1	141.4
145	32.7	15.8	47.4

