

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121219\
 Data File : VN059568.D
 Acq On : 12 Dec 2019 11:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 13 04:02:54 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	257837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	415480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	382856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188529	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	195171	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
35) Dibromofluoromethane	7.56	113	137667	55.53	ug/l	0.00
Spiked Amount			Recovery	=	111.06%	
50) Toluene-d8	10.08	98	533171	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.40	95	198276	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	150975	50.767	ug/l	100
3) Chloromethane	2.04	50	229906	51.070	ug/l	99
4) Vinyl Chloride	2.17	62	236762	53.358	ug/l	100
5) Bromomethane	2.54	94	141584	52.386	ug/l	99
6) Chloroethane	2.68	64	137490	51.890	ug/l	98
7) Trichlorofluoromethane	3.00	101	277366	52.291	ug/l	100
8) Diethyl Ether	3.38	74	97371	53.564	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	137159	49.686	ug/l	99
10) Methyl Iodide	3.92	142	185817	49.711	ug/l	99
11) Tert butyl alcohol	4.74	59	163312	273.937	ug/l	99
12) 1,1-Dichloroethene	3.71	96	131850	49.132	ug/l	95
13) Acrolein	3.57	56	103357	356.266	ug/l	98
14) Allyl chloride	4.29	41	270398	52.379	ug/l	99
15) Acrylonitrile	4.94	53	437942	278.525	ug/l	99
16) Acetone	3.78	43	475457	282.441	ug/l	100
17) Carbon Disulfide	4.02	76	410907	48.270	ug/l	99
18) Methyl Acetate	4.29	43	234217	52.994	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	509882	57.158	ug/l	100
20) Methylene Chloride	4.52	84	169230	55.818	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	148922	51.704	ug/l	97
22) Diisopropyl ether	5.91	45	561019	57.086	ug/l	98
23) Vinyl Acetate	5.86	43	2368113	288.868	ug/l	100
24) 1,1-Dichloroethane	5.81	63	300875	53.923	ug/l	99
25) 2-Butanone	6.80	43	653493	288.404	ug/l	100
26) 2,2-Dichloropropane	6.79	77	269617	53.487	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	172991	53.397	ug/l	99
28) Bromochloromethane	7.17	49	108815	51.014	ug/l	100
29) Tetrahydrofuran	7.18	42	419196	265.966	ug/l	100
30) Chloroform	7.35	83	300344	54.540	ug/l	99
31) Cyclohexane	7.63	56	267402	49.245	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	259131	53.043	ug/l	100
36) 1,1-Dichloropropene	7.77	75	223958	52.539	ug/l	99
37) Ethyl Acetate	6.90	43	264179	53.049	ug/l	99
38) Carbon Tetrachloride	7.75	117	229896	54.716	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	260640	54.510	ug/l	98
40) Benzene	8.02	78	654773	53.770	ug/l	99
41) Methacrylonitrile	7.18	41	383255	185.010	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	257795	56.820	ug/l	99
43) Isopropyl Acetate	8.14	43	420980	57.212	ug/l	99
44) Trichloroethene	8.82	130	165826	53.903	ug/l	96
45) 1,2-Dichloropropane	9.10	63	180998	56.108	ug/l	100
46) Dibromomethane	9.19	93	117931	55.317	ug/l	98
47) Bromodichloromethane	9.39	83	239582	56.545	ug/l	100
48) Methyl methacrylate	9.18	41	191771	59.605	ug/l	99
49) 1,4-Dioxane	9.18	88	58695	1425.856	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1300681	278.294	ug/l	100
52) Toluene	10.14	92	405562	55.897	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	283892	57.507	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	294628	58.313	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	163485	55.713	ug/l	99
56) Ethyl methacrylate	10.42	69	259154	51.213	ug/l	100
57) 1,3-Dichloropropane	10.70	76	286406	57.148	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	431376	358.844	ug/l	100
59) 2-Hexanone	10.74	43	988448	276.559	ug/l	100
60) Dibromochloromethane	10.90	129	185038	52.775	ug/l	99
61) 1,2-Dibromoethane	11.00	107	171841	56.252	ug/l	99
64) Tetrachloroethene	10.62	164	158104	56.504	ug/l	100
65) Chlorobenzene	11.43	112	430950	53.720	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	166347	55.598	ug/l	99
67) Ethyl Benzene	11.51	91	795853	55.131	ug/l	100
68) m/p-Xylenes	11.62	106	592434	109.401	ug/l	98
69) o-Xylene	11.94	106	283583	56.263	ug/l	96
70) Styrene	11.96	104	475760	56.975	ug/l	99
71) Bromoform	12.12	173	131504	55.860	ug/l #	100
73) Isopropylbenzene	12.25	105	766405	54.195	ug/l	99
74) N-amyl acetate	12.07	43	368878	59.882	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	246132	51.364	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	354572	73.545	ug/l #	100
77) Bromobenzene	12.52	156	182572	51.857	ug/l	93
78) n-propylbenzene	12.59	91	923016	53.115	ug/l	99
79) 2-Chlorotoluene	12.67	91	539346	52.049	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	651074	53.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	97868	54.616	ug/l	89
82) 4-Chlorotoluene	12.77	91	568964	53.698	ug/l	99
83) tert-Butylbenzene	12.99	119	543168	53.712	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	656249	54.805	ug/l	99
85) sec-Butylbenzene	13.17	105	756301	54.449	ug/l	99
86) p-Isopropyltoluene	13.29	119	699466	56.342	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	341062	52.595	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	336957	53.068	ug/l	99
89) n-Butylbenzene	13.61	91	650093	55.769	ug/l	98
90) Hexachloroethane	13.87	117	128133	56.200	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	330183	54.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56825	51.643	ug/l	92

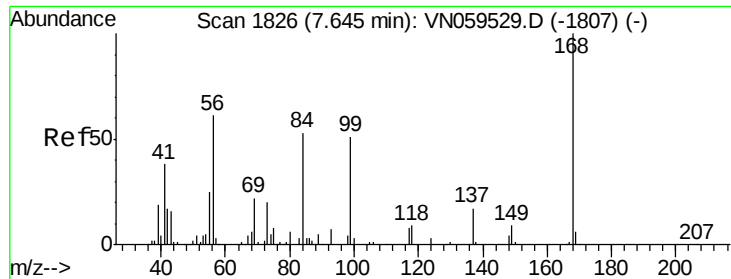
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205668	48.864	ug/l	99
94) Hexachlorobutadiene	15.01	225	110805	51.530	ug/l	100
95) Naphthalene	15.12	128	601413	48.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	195636	47.829	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

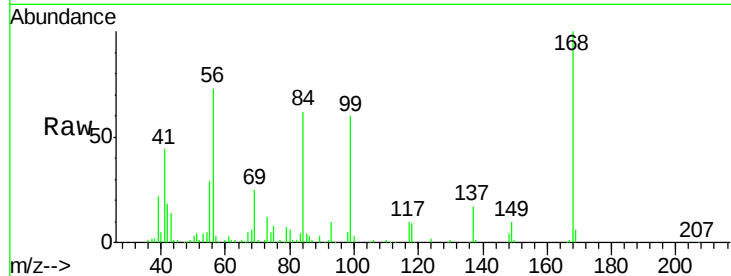
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 257837

Ion Ratio Lower Upper

168 100

99 59.7 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

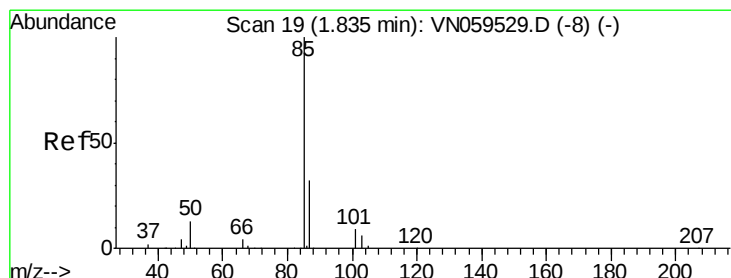
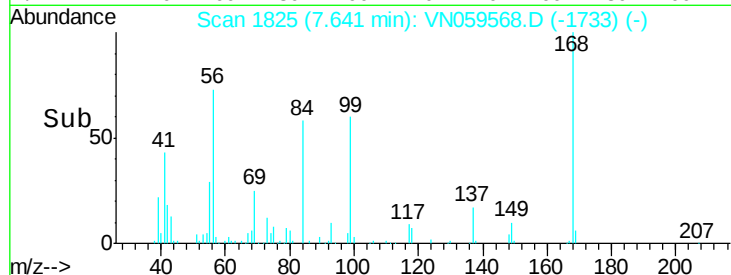
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.767 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059568.D

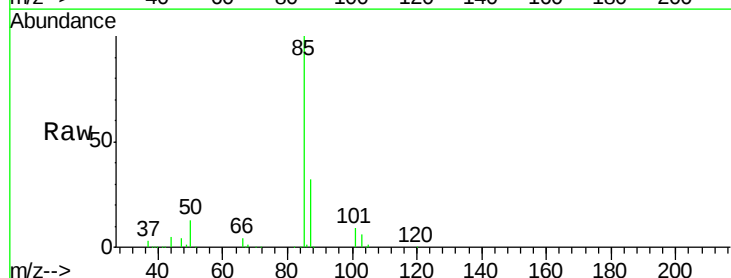
Acq: 12 Dec 2019 11:56

Tgt Ion: 85 Resp: 150975

Ion Ratio Lower Upper

85 100

87 32.0 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

120000

100000

80000

60000

40000

20000

0

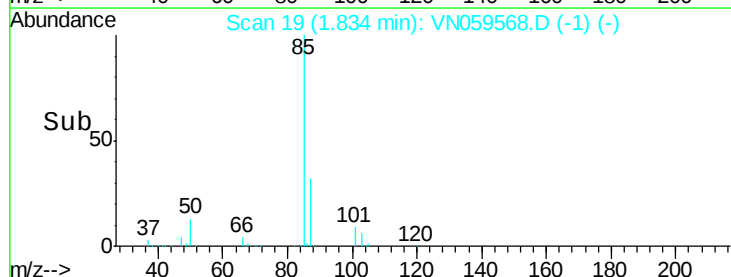
1.75

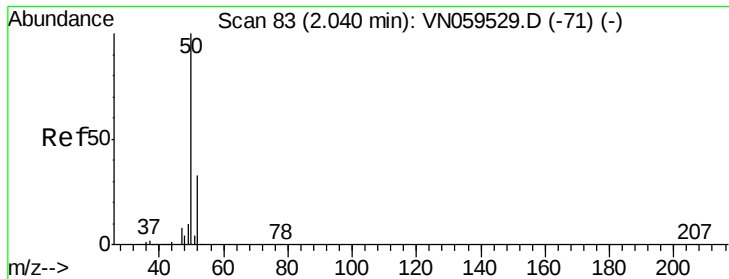
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 51.070 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

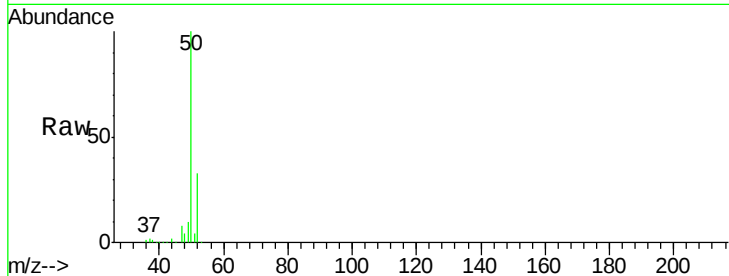
VSTDCCC050

Tgt Ion: 50 Resp: 229906

Ion Ratio Lower Upper

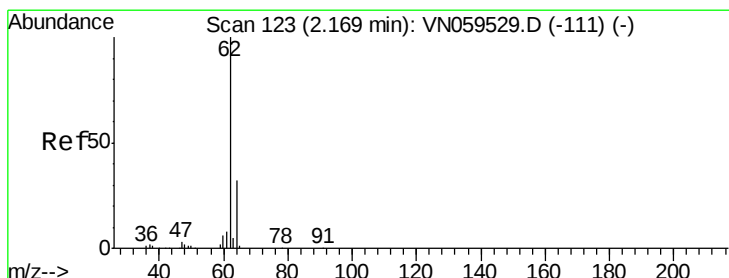
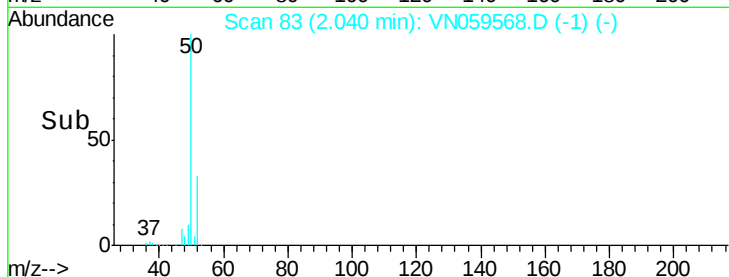
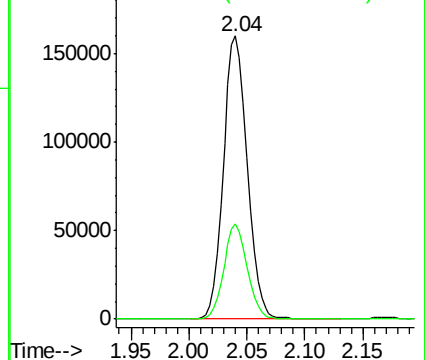
50 100

52 33.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 53.358 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059568.D

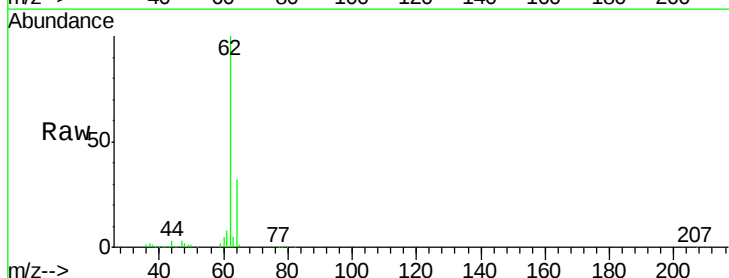
Acq: 12 Dec 2019 11:56

Tgt Ion: 62 Resp: 236762

Ion Ratio Lower Upper

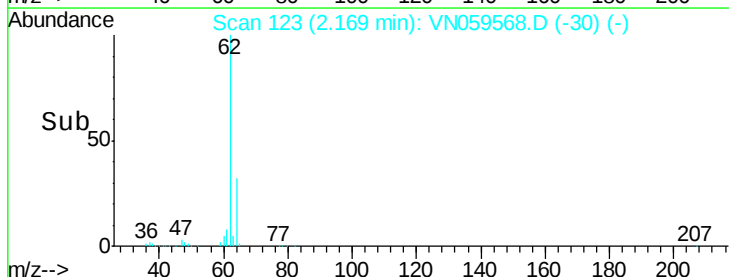
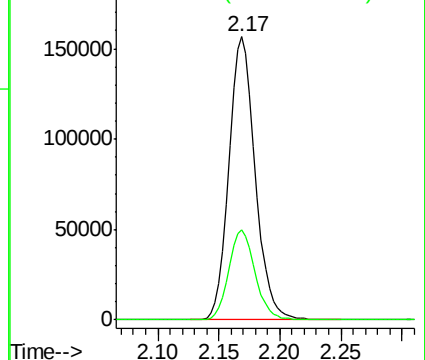
62 100

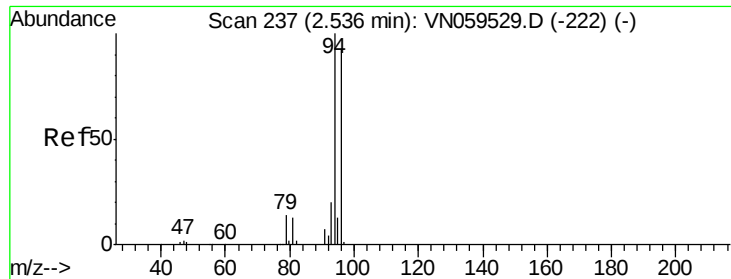
64 31.8 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

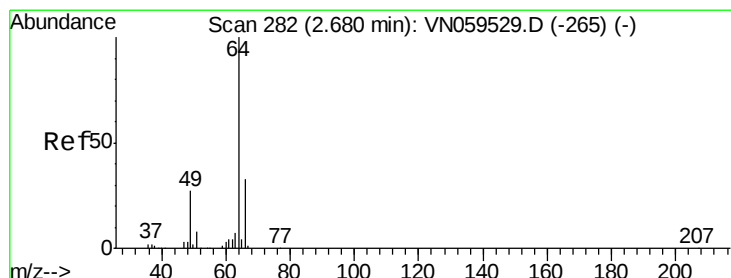
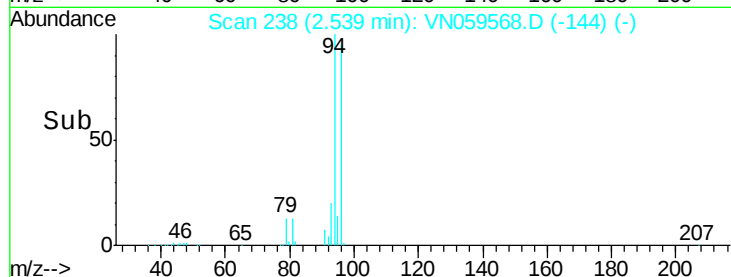
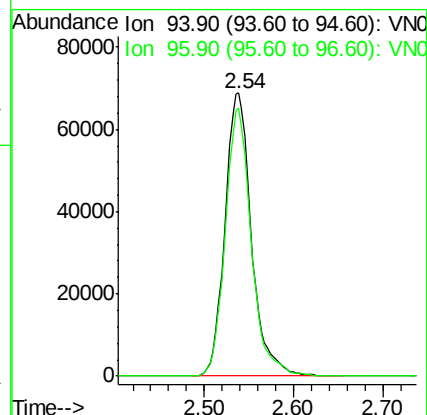
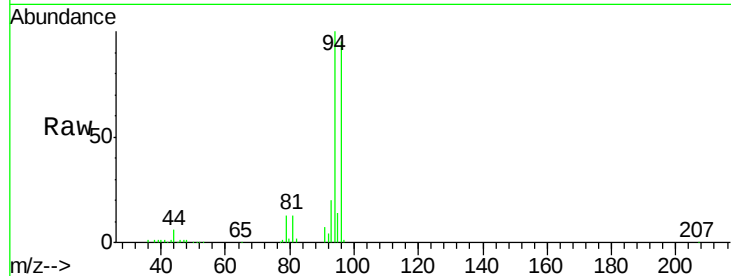




#5
Bromomethane
Concen: 52.386 ug/l
RT: 2.54 min Scan# 238
Delta R.T. 0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

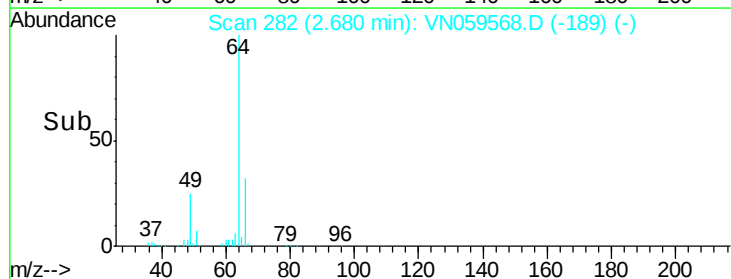
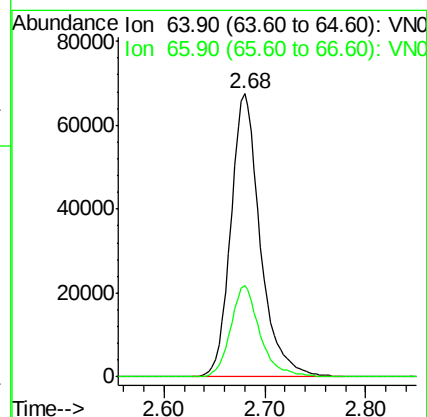
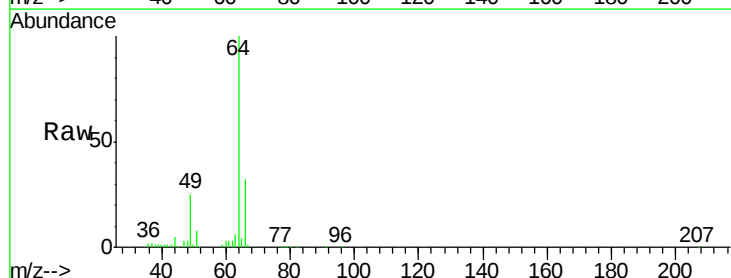
Instrument :
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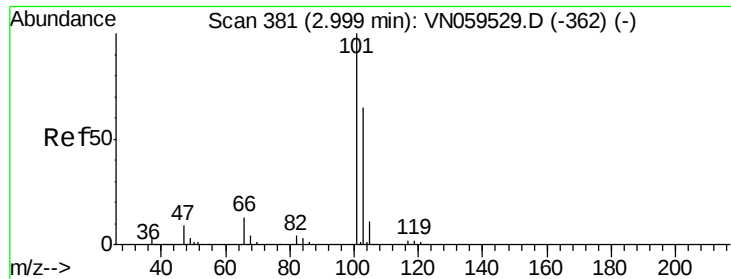
Tgt Ion: 94 Resp: 141584
Ion Ratio Lower Upper
94 100
96 94.7 74.6 112.0



#6
Chloroethane
Concen: 51.890 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 64 Resp: 137490
Ion Ratio Lower Upper
64 100
66 32.3 26.7 40.1



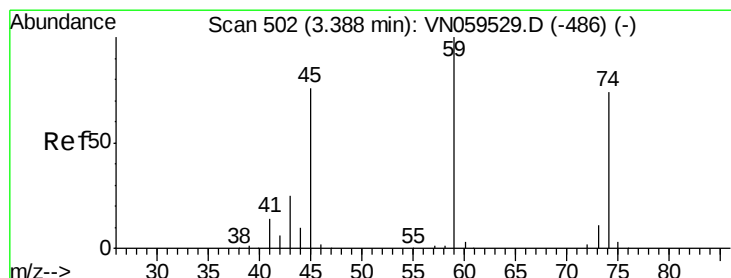
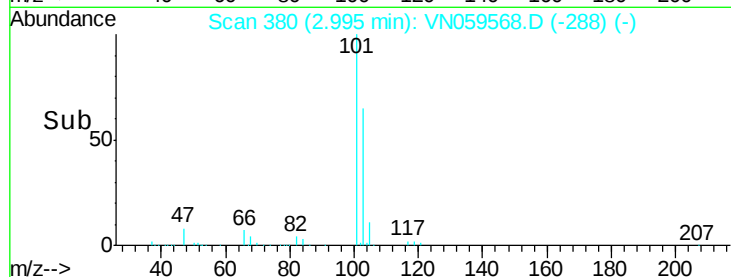
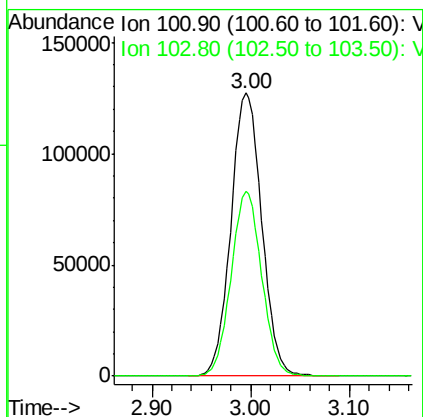
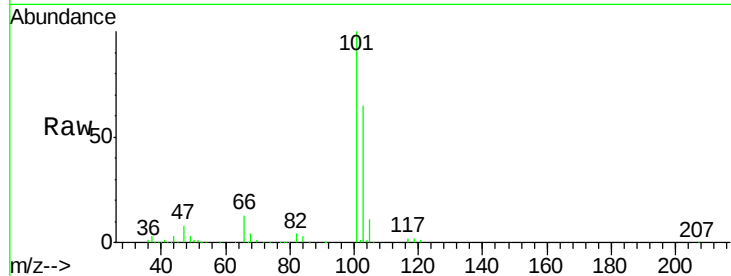


#7

Trichlorofluoromethane
 Concen: 52.291 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
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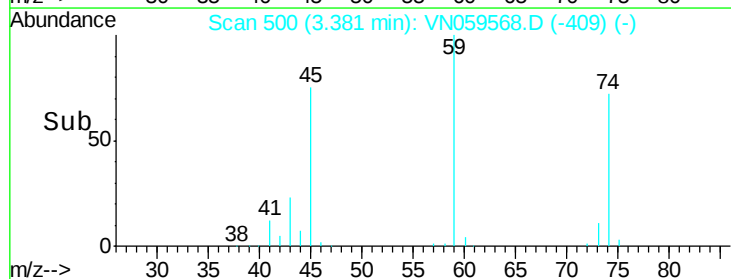
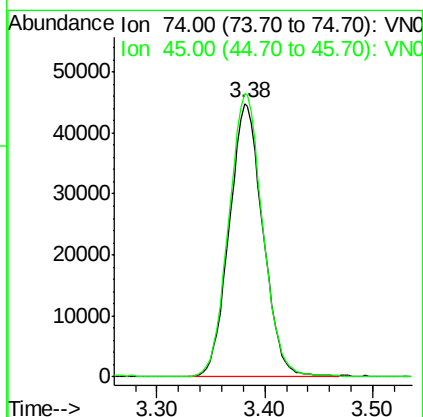
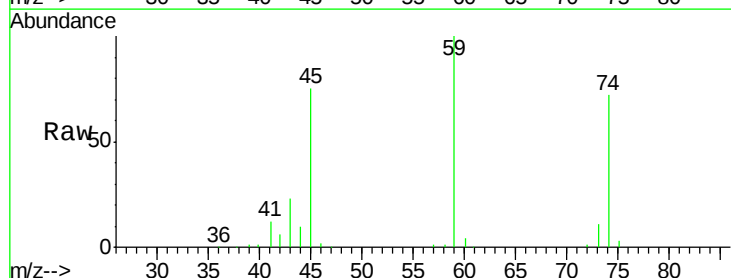
Tgt Ion: 101 Resp: 277366
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.2 78.4

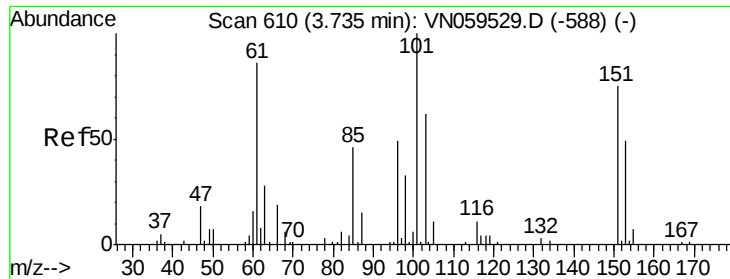


#8

Diethyl Ether
 Concen: 53.564 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 74 Resp: 97371
 Ion Ratio Lower Upper
 74 100
 45 104.8 52.6 157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.686 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

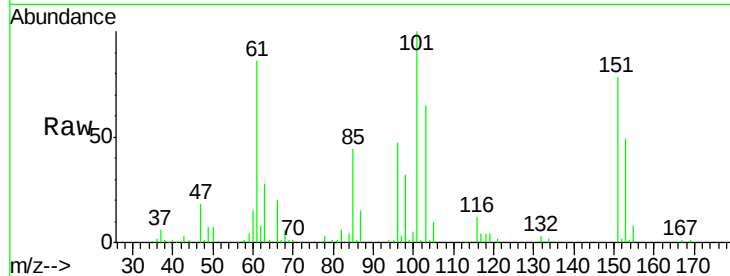
Tgt Ion:101 Resp: 137159

Ion Ratio Lower Upper

101 100

85 45.6 36.6 54.8

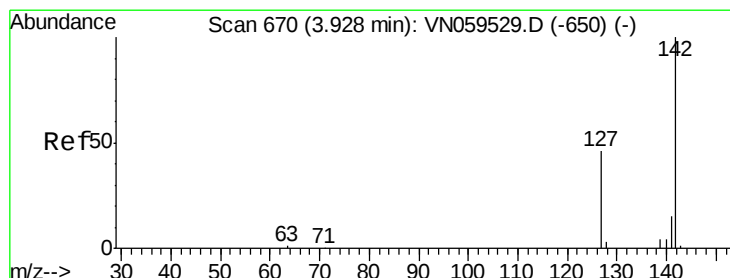
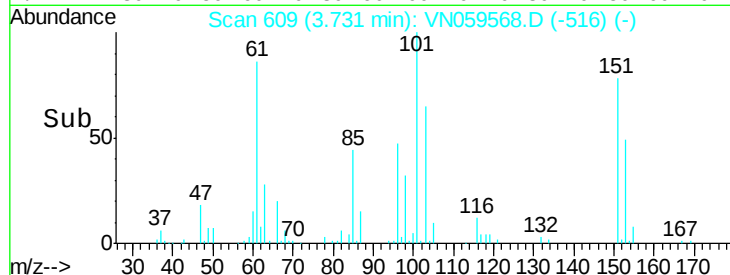
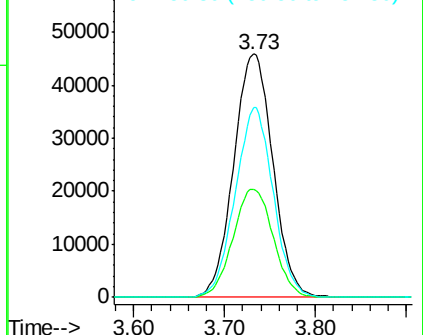
151 75.6 59.3 88.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.711 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

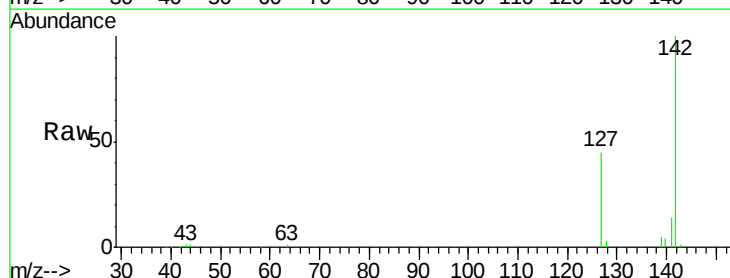
Tgt Ion:142 Resp: 185817

Ion Ratio Lower Upper

142 100

127 45.1 36.6 54.8

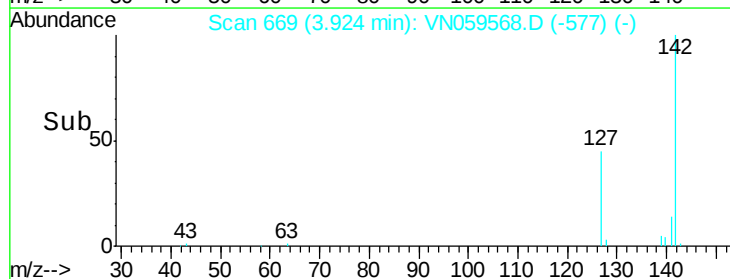
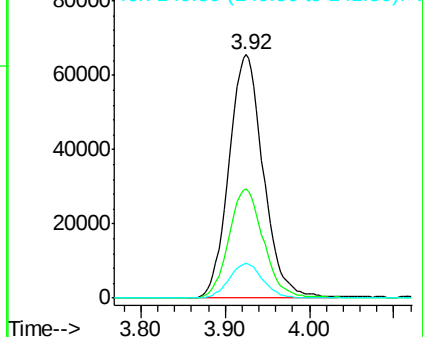
141 13.9 11.6 17.4

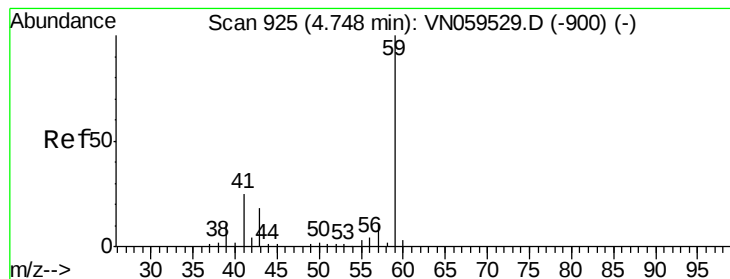


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



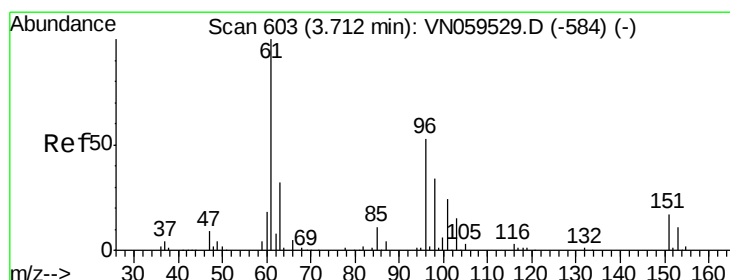
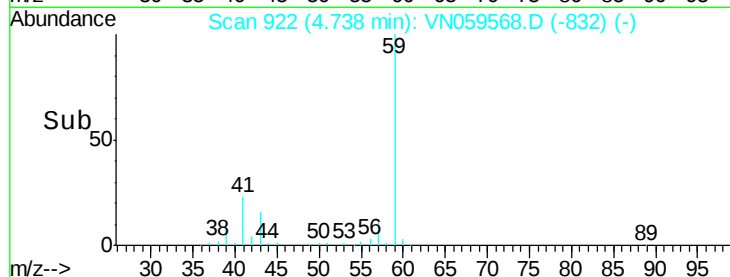
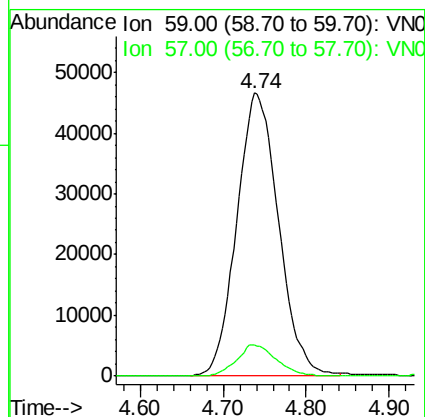
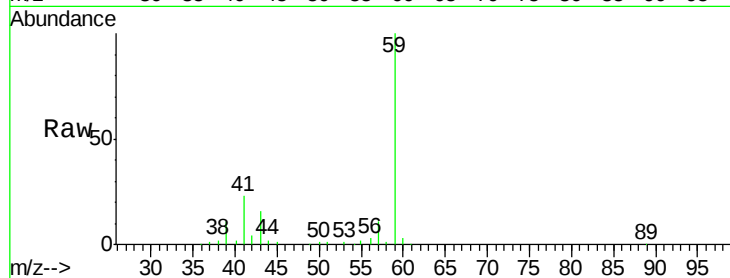


#11

Tert butyl alcohol
 Concen: 273.937 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

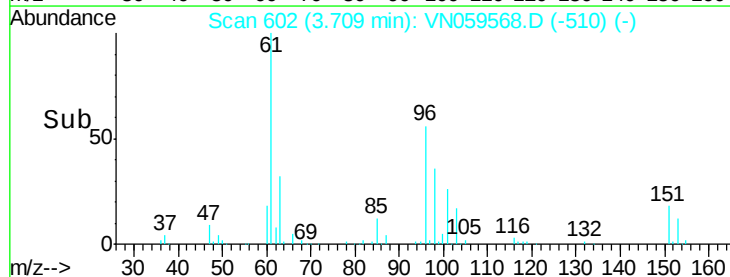
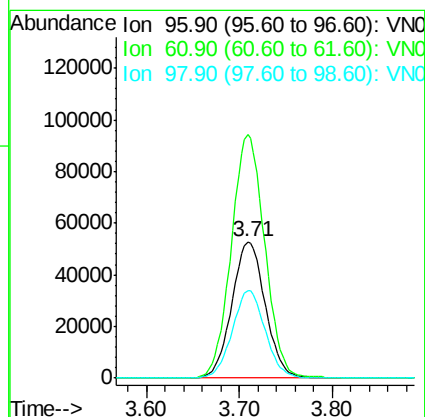
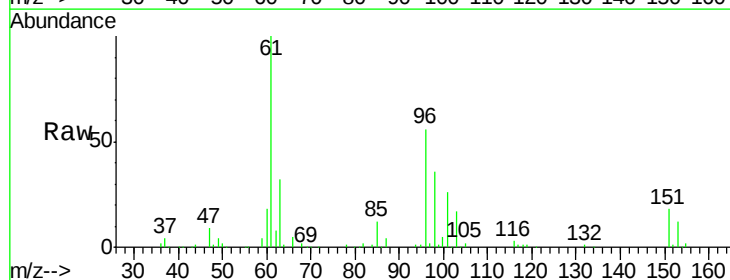
Tgt Ion: 59 Resp: 163312
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 13.0

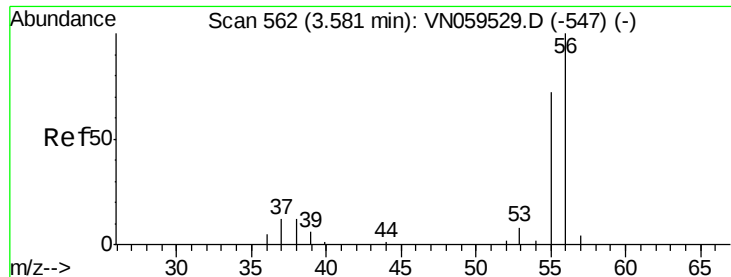


#12

1,1-Dichloroethene
 Concen: 49.132 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 96 Resp: 131850
 Ion Ratio Lower Upper
 96 100
 61 178.5 149.8 224.6
 98 64.5 50.6 75.8





#13

Acrolein

Concen: 356.266 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

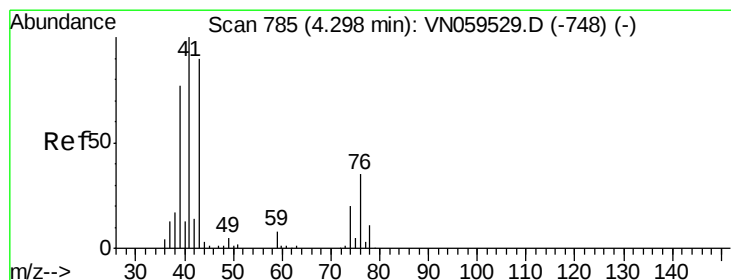
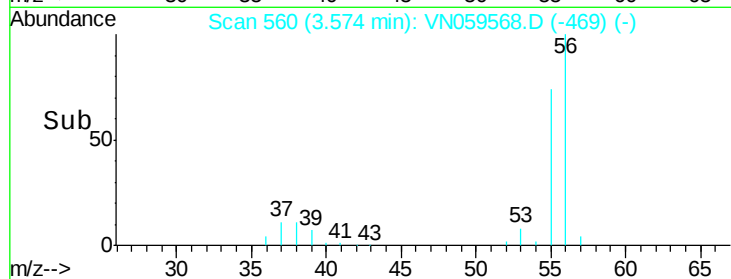
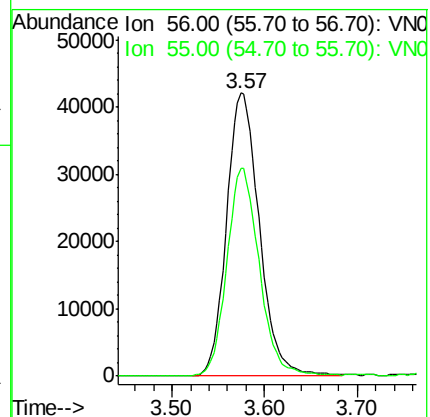
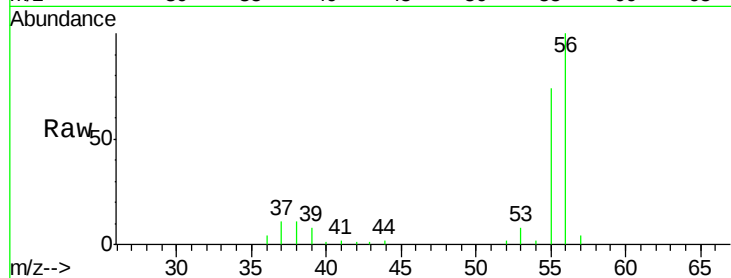
VSTDCCC050

Tgt Ion: 56 Resp: 103357

Ion Ratio Lower Upper

56 100

55 72.8 56.9 85.3



#14

Allyl chloride

Concen: 52.379 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

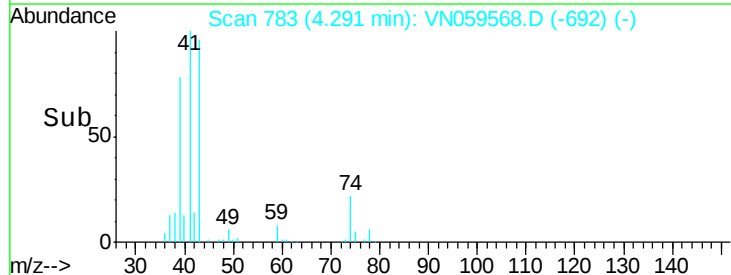
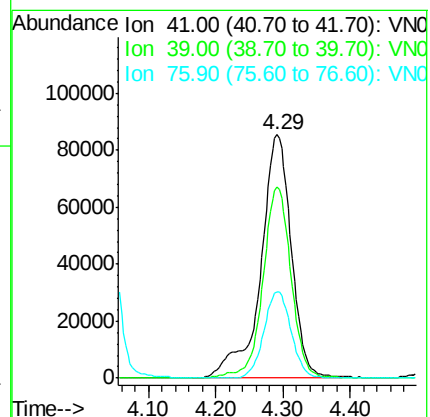
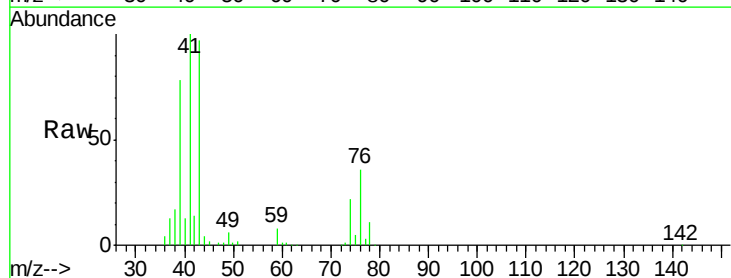
Tgt Ion: 41 Resp: 270398

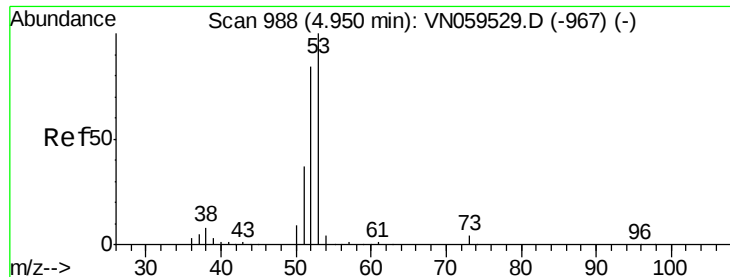
Ion Ratio Lower Upper

41 100

39 72.1 56.7 85.1

76 31.4 25.5 38.3





#15

Acrylonitrile

Concen: 278.525 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

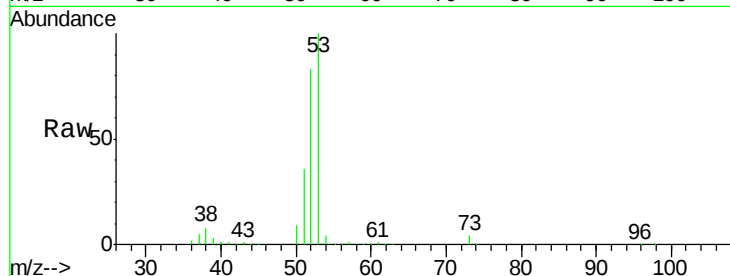
Tgt Ion: 53 Resp: 437942

Ion Ratio Lower Upper

53 100

52 82.8 66.6 99.8

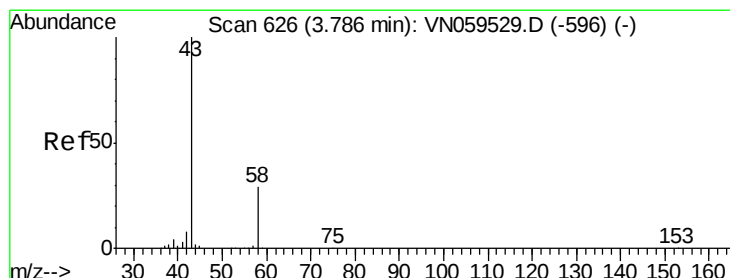
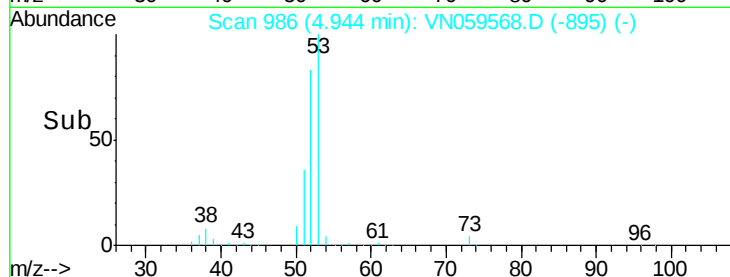
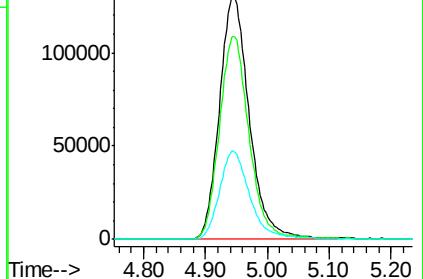
51 36.7 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN059568.D (-895) (-)

Ion 52.00 (51.70 to 52.70): VN059568.D (-895) (-)

Ion 51.00 (50.70 to 51.70): VN059568.D (-895) (-)



#16

Acetone

Concen: 282.441 ug/l

RT: 3.78 min Scan# 625

Delta R.T. -0.00 min

Lab File: VN059568.D

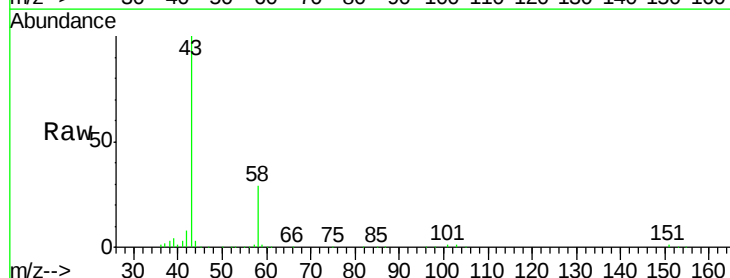
Acq: 12 Dec 2019 11:56

Tgt Ion: 43 Resp: 475457

Ion Ratio Lower Upper

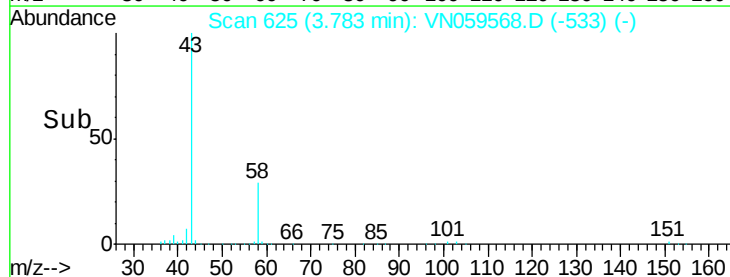
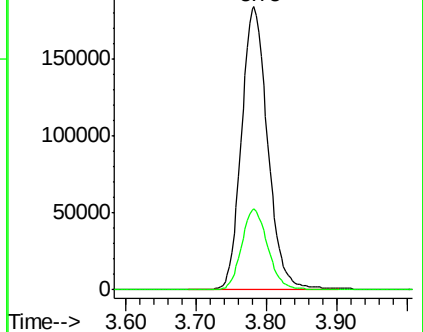
43 100

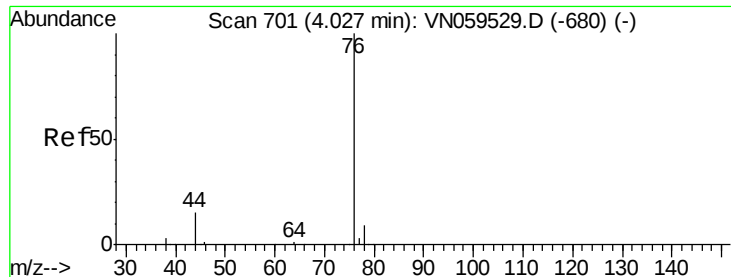
58 28.7 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN059568.D (-533) (-)

Ion 58.00 (57.70 to 58.70): VN059568.D (-533) (-)

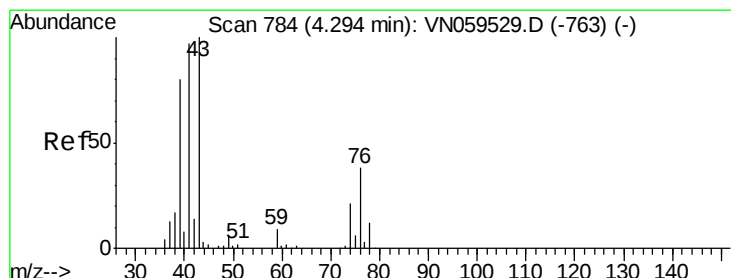
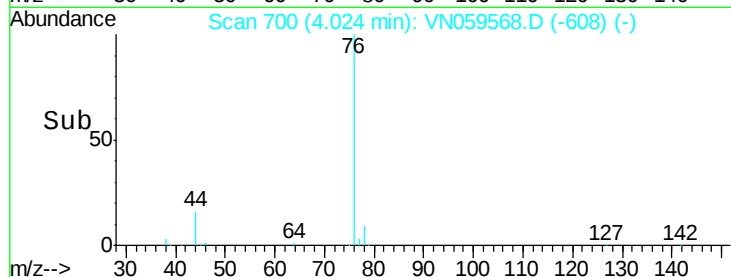
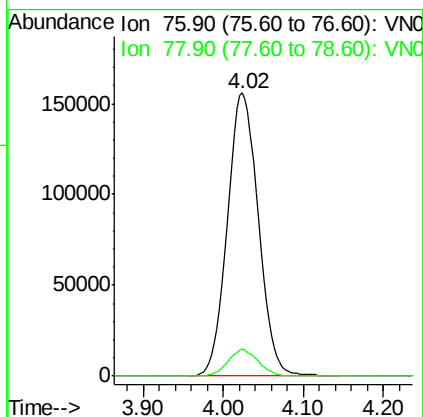
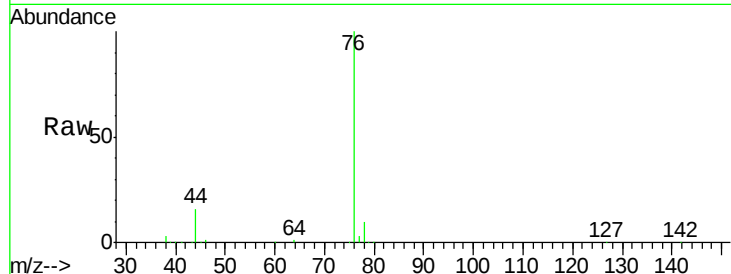




#17
Carbon Disulfide
Concen: 48.270 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

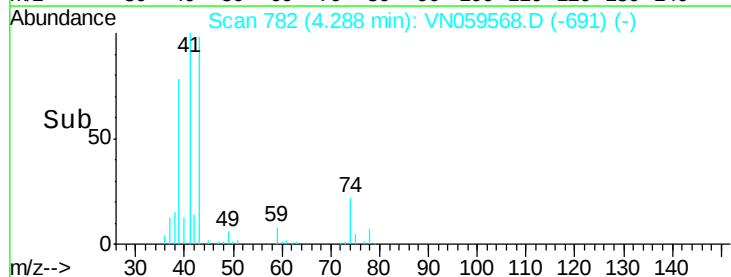
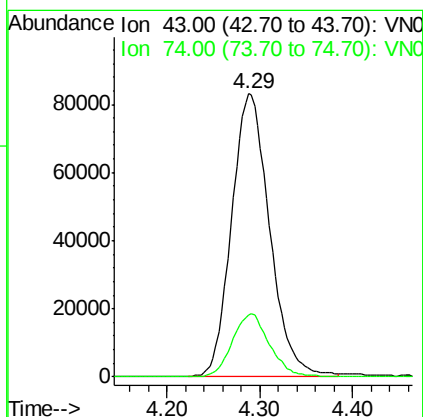
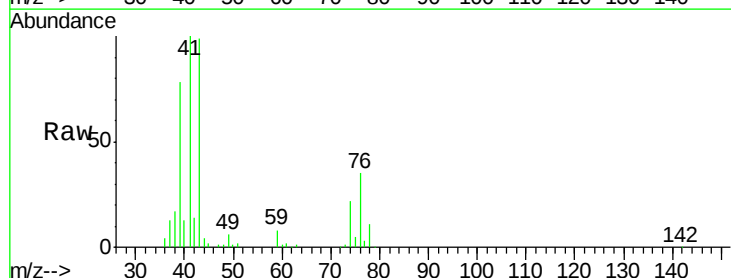
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

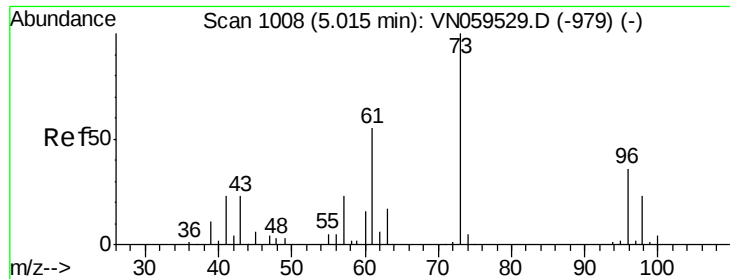
Tgt Ion: 76 Resp: 410907
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2



#18
Methyl Acetate
Concen: 52.994 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 43 Resp: 234217
Ion Ratio Lower Upper
43 100
74 22.1 17.5 26.3

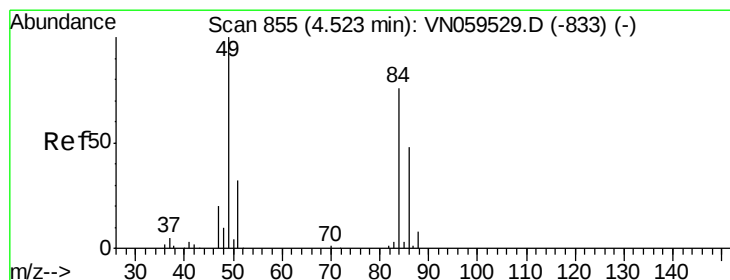
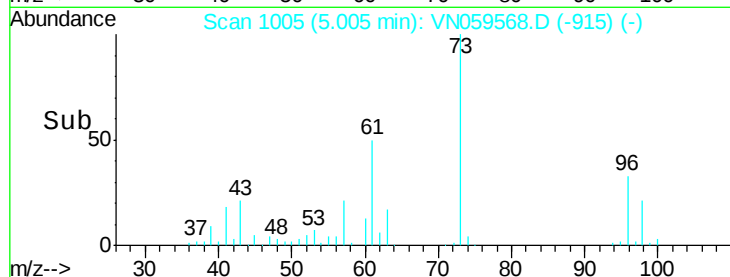
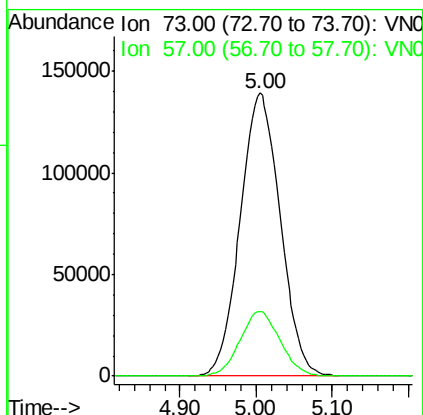
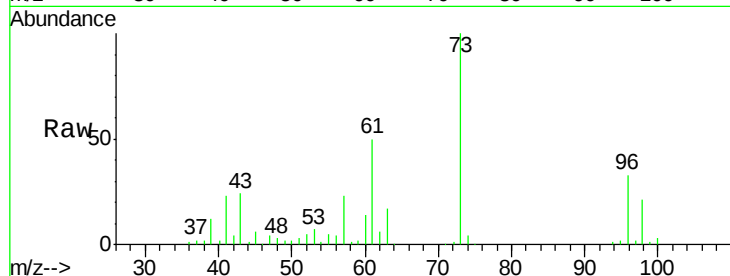




#19
Methyl tert-butyl Ether
Concen: 57.158 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

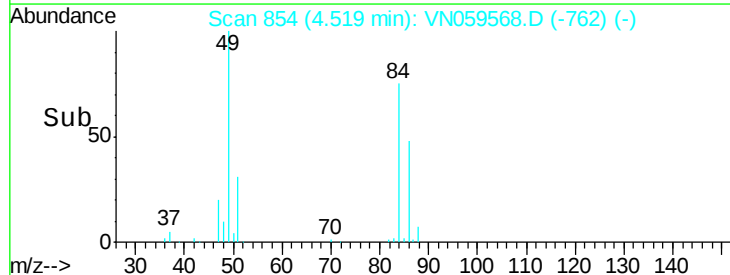
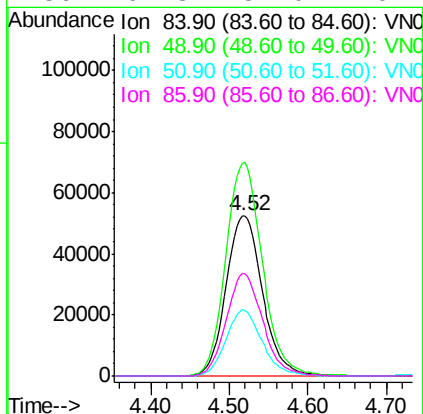
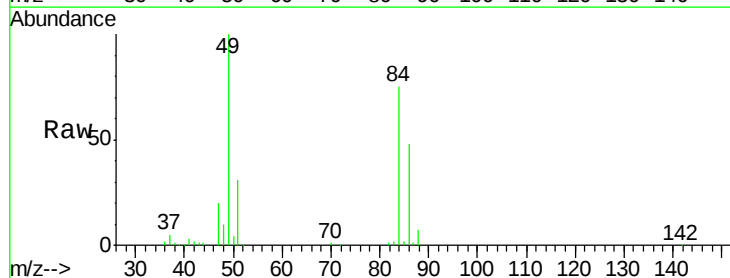
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

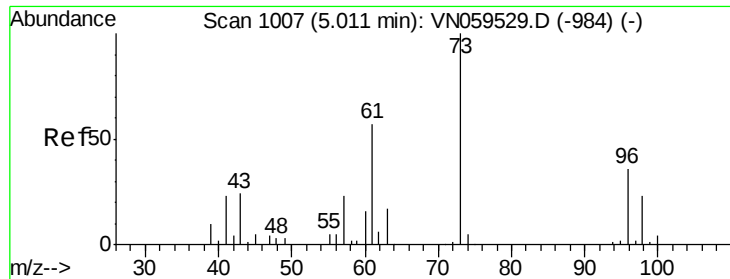
Tgt Ion: 73 Resp: 509882
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5



#20
Methylene Chloride
Concen: 55.818 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 84 Resp: 169230
Ion Ratio Lower Upper
84 100
49 133.0 105.8 158.8
51 41.0 33.7 50.5
86 64.3 51.0 76.4

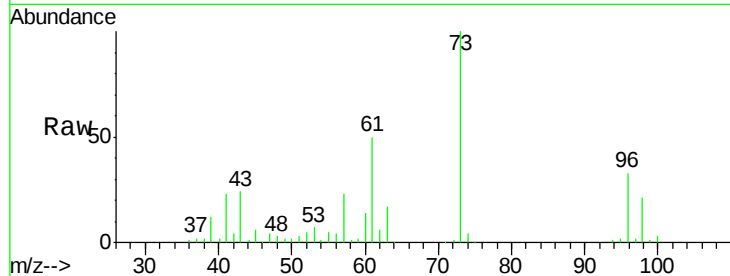




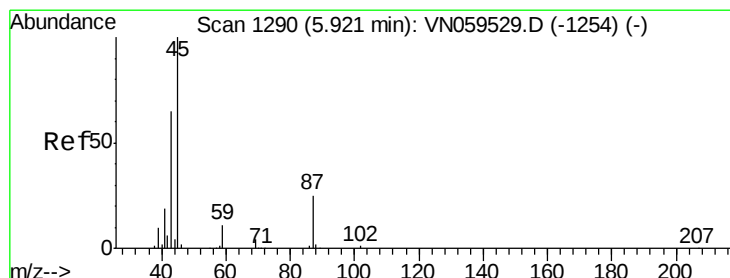
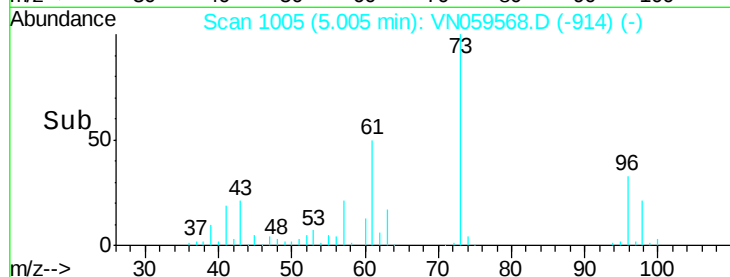
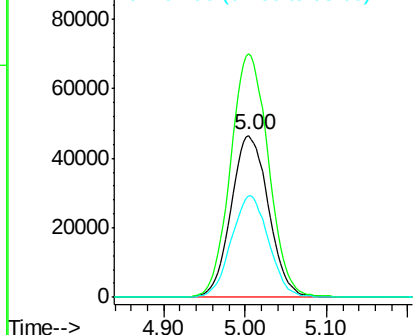
#21
trans-1,2-Dichloroethene
Concen: 51.704 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 148922
Ion Ratio Lower Upper
96 100
61 150.6 124.8 187.2
98 62.9 51.0 76.4

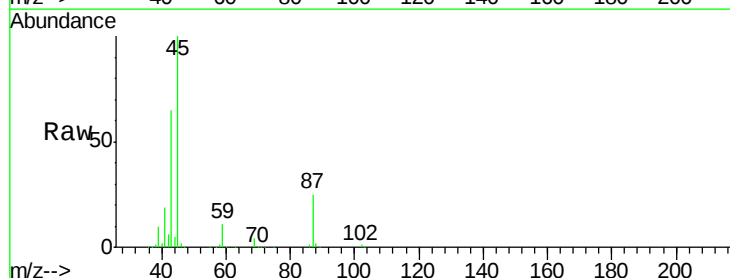


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

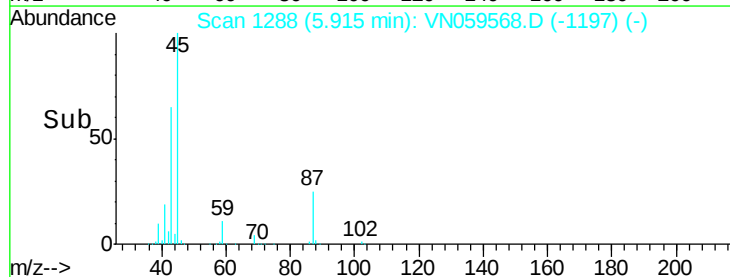
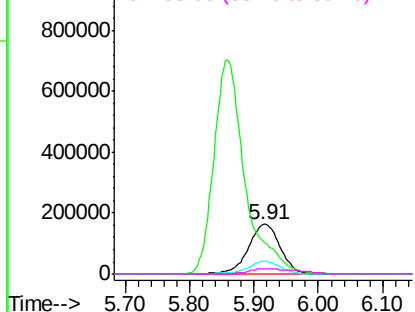


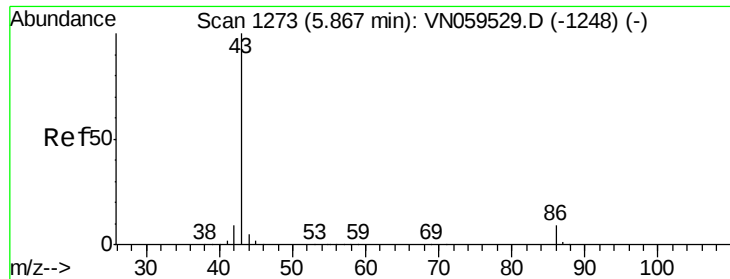
#22
Diisopropyl ether
Concen: 57.086 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 45 Resp: 561019
Ion Ratio Lower Upper
45 100
43 64.1 52.8 79.2
87 25.3 20.2 30.4
59 10.9 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: 288.868 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

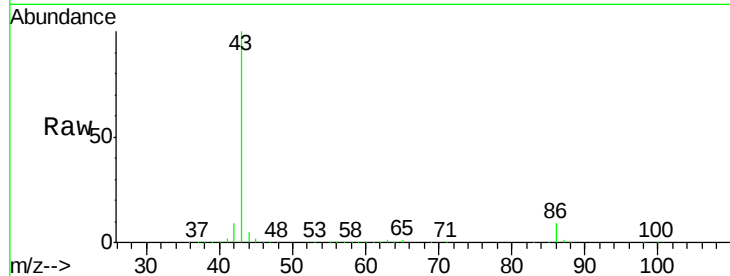
VSTDCCC050

Tgt Ion: 43 Resp: 2368113

Ion Ratio Lower Upper

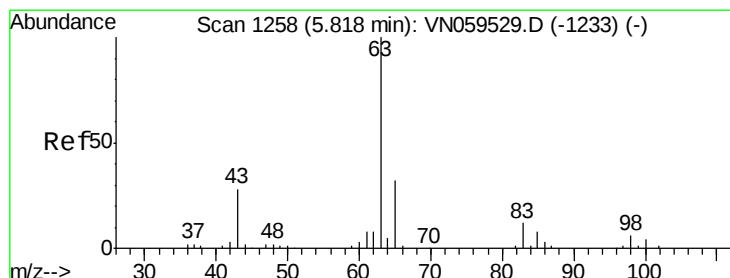
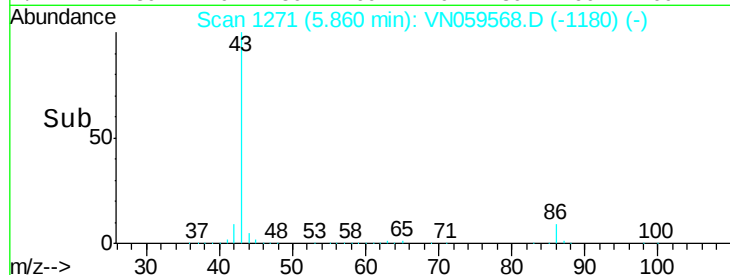
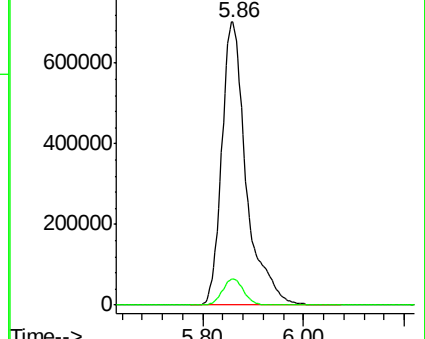
43 100

86 9.3 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VN059568.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059568.D (-1180) (-)



#24

1,1-Dichloroethane

Concen: 53.923 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

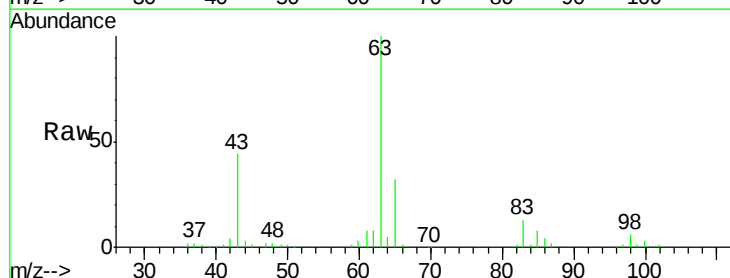
Tgt Ion: 63 Resp: 300875

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

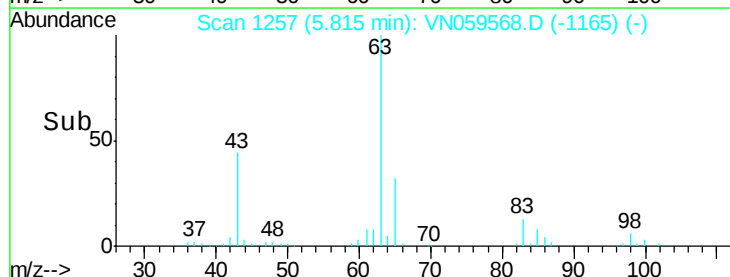
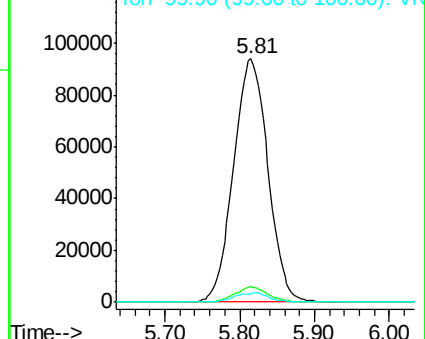
100 3.5 1.8 5.3

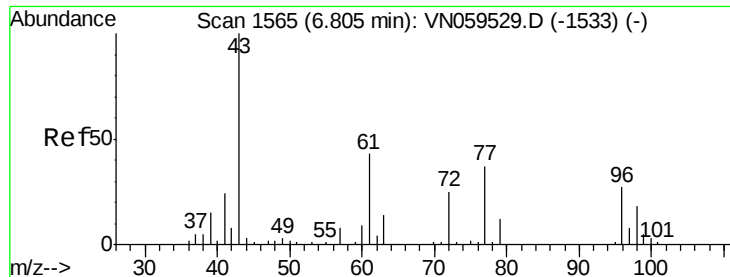


Abundance Ion 62.90 (62.60 to 63.60): VN059568.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059568.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059568.D (-1165) (-)





#25

2-Butanone

Concen: 288.404 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

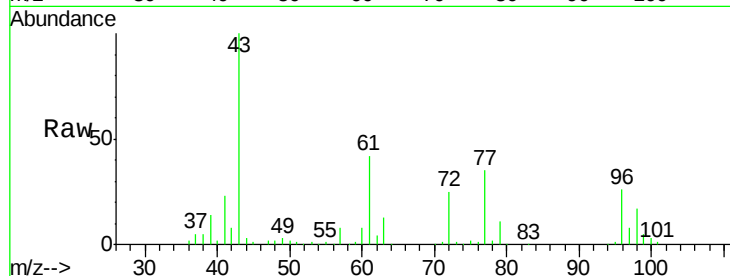
VSTDCCC050

Tgt Ion: 43 Resp: 653493

Ion Ratio Lower Upper

43 100

72 24.8 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

250000

200000

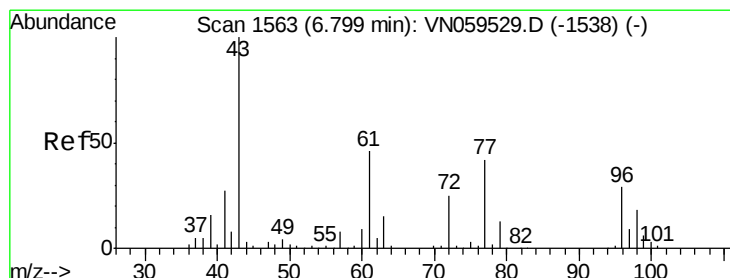
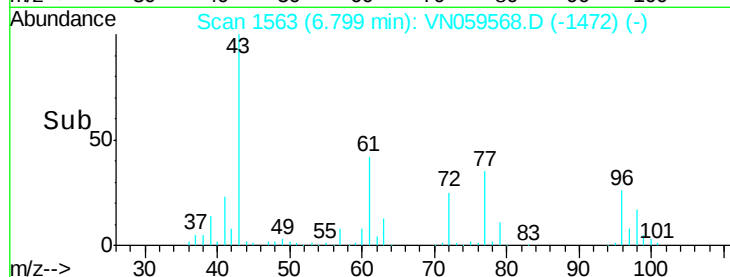
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.487 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059568.D

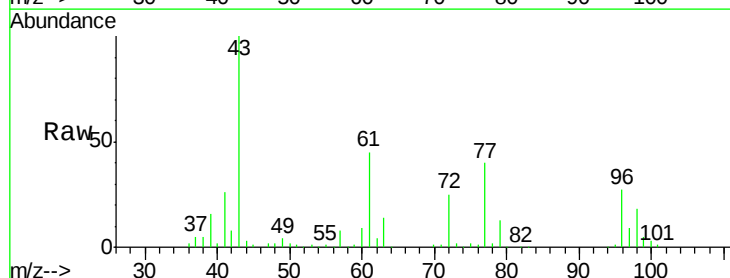
Acq: 12 Dec 2019 11:56

Tgt Ion: 77 Resp: 269617

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.79

100000

80000

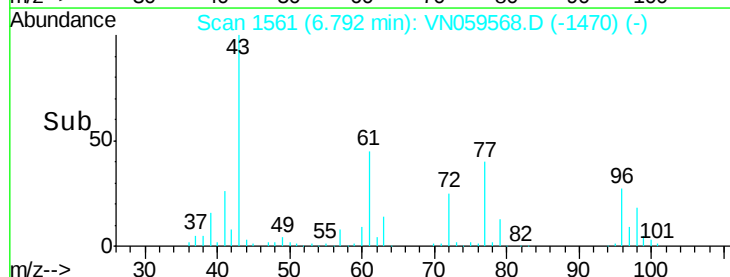
60000

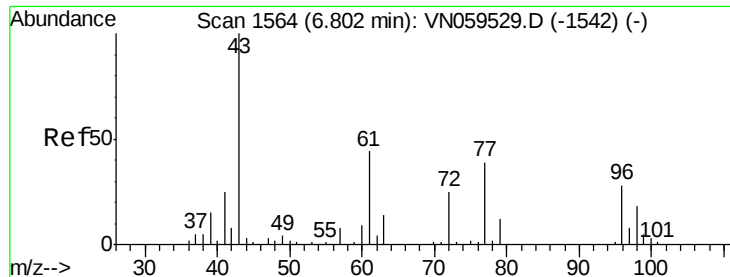
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 53.397 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

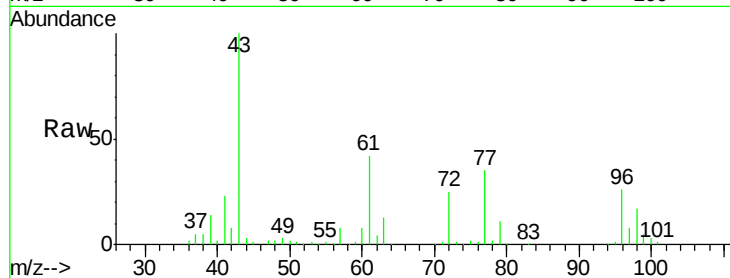
Tgt Ion: 96 Resp: 172991

Ion Ratio Lower Upper

96 100

61 162.7 0.0 320.0

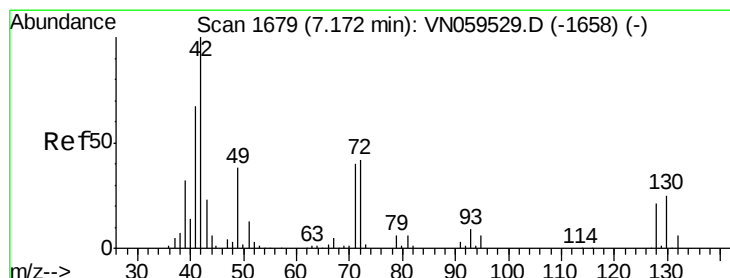
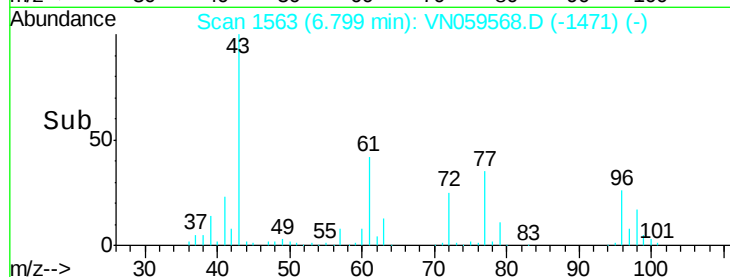
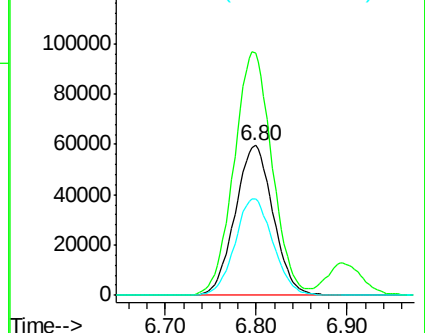
98 64.4 0.0 128.6



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: 51.014 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

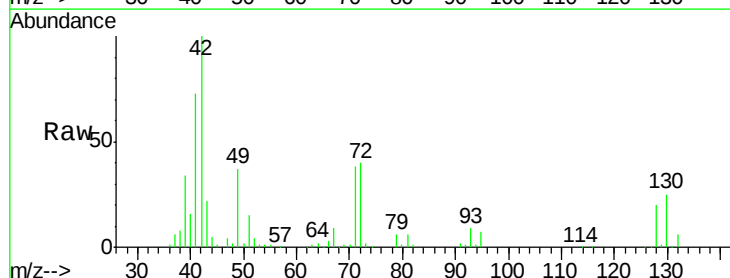
Tgt Ion: 49 Resp: 108815

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.0

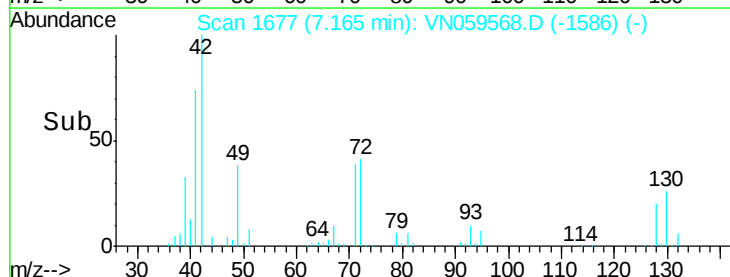
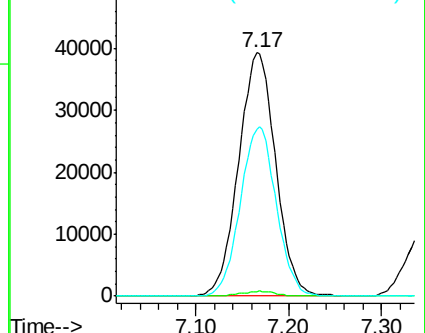
130 67.4 54.2 81.2

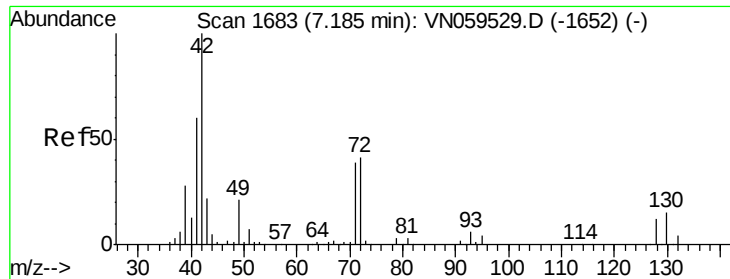


Abundance Ion 48.90 (48.60 to 49.60): VN059529.D (-1658) (-)

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

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

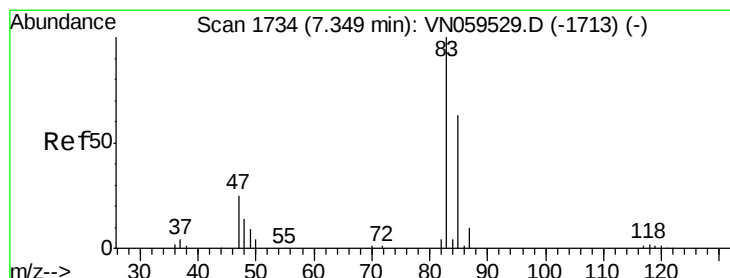
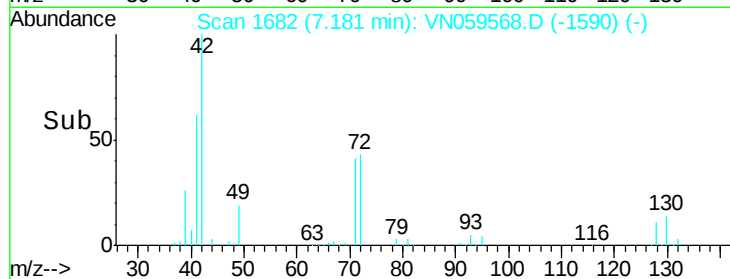
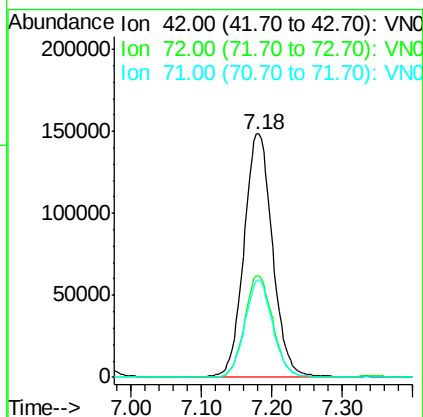
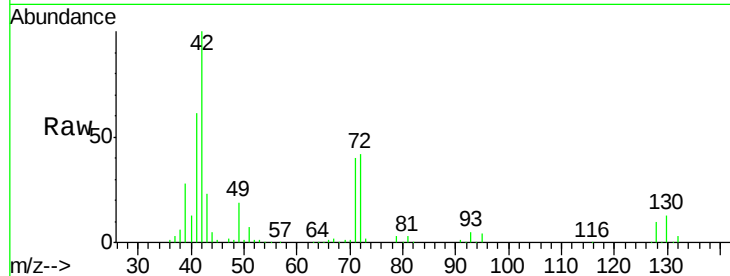




#29
Tetrahydrofuran
Concen: 265.966 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

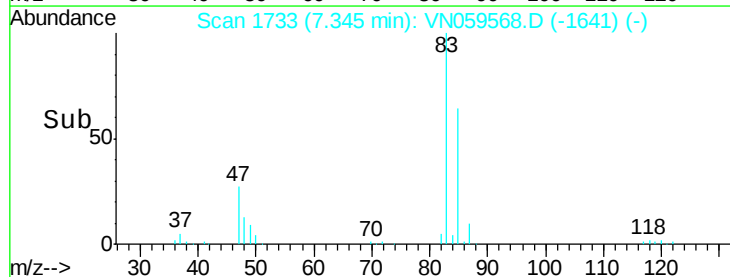
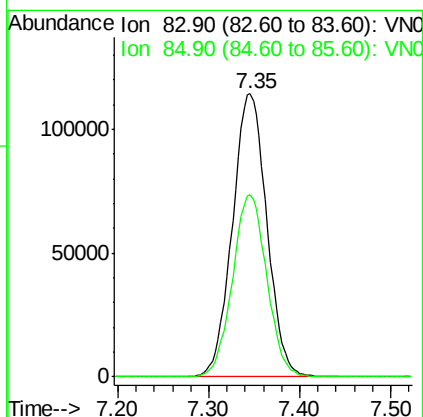
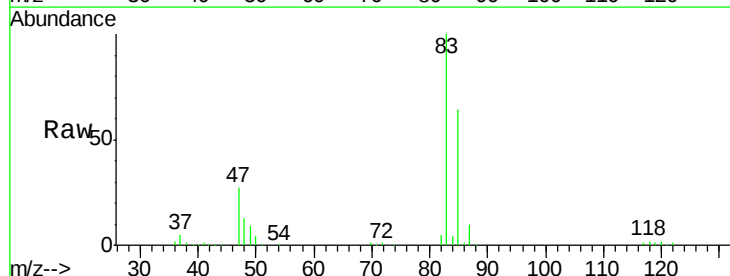
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

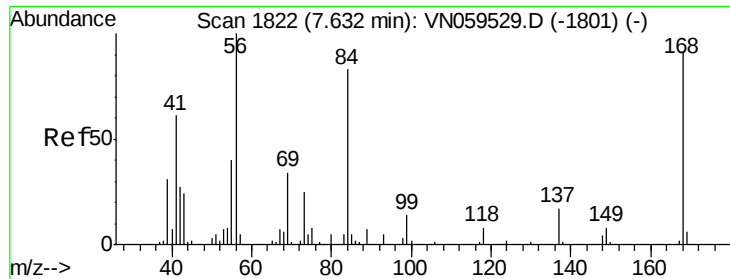
Tgt Ion: 42 Resp: 419196
Ion Ratio Lower Upper
42 100
72 41.2 32.7 49.1
71 39.0 31.4 47.2



#30
Chloroform
Concen: 54.540 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 83 Resp: 300344
Ion Ratio Lower Upper
83 100
85 64.3 50.6 75.8

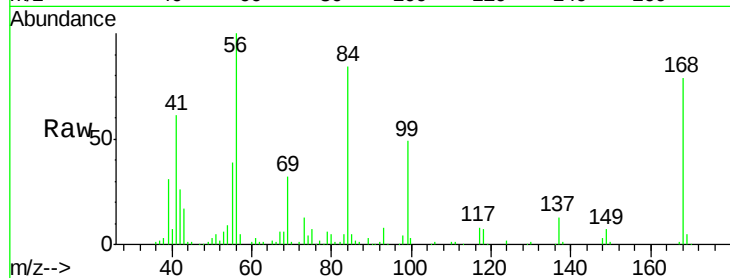




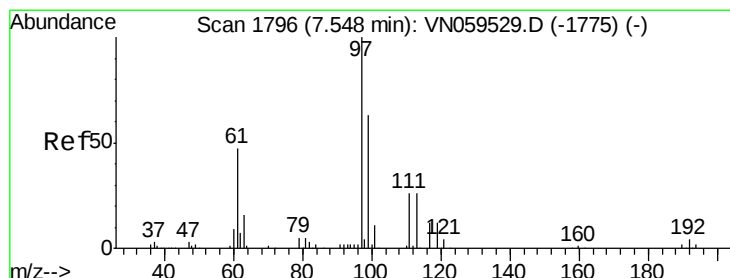
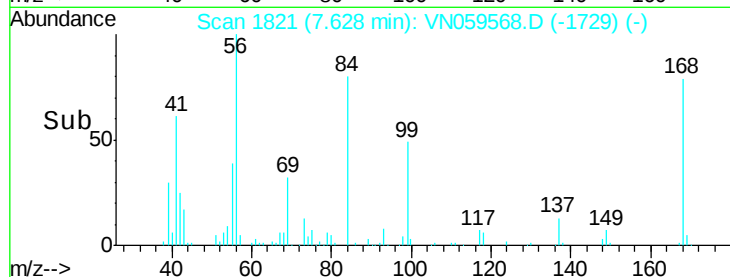
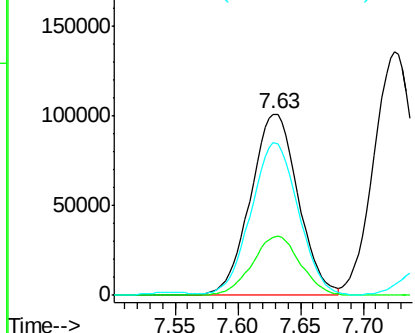
#31
Cyclohexane
Concen: 49.245 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 267402
Ion Ratio Lower Upper
56 100
69 31.8 26.9 40.3
84 82.7 66.5 99.7

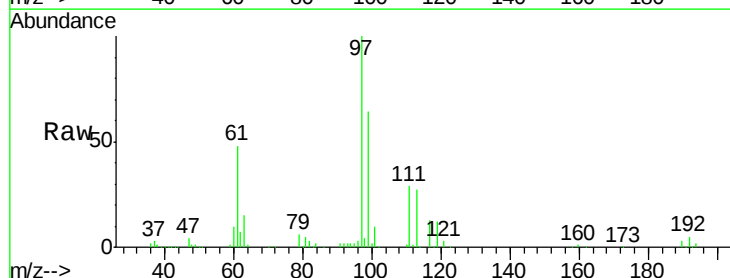


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

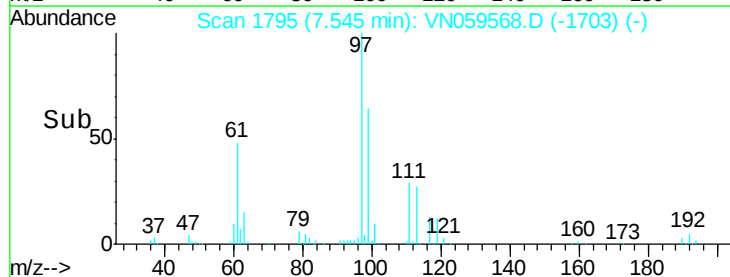
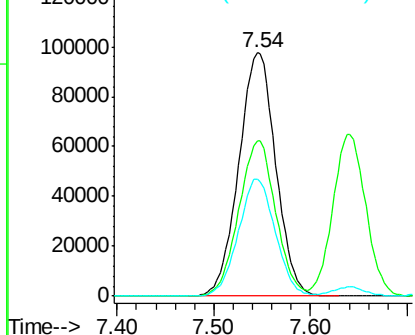


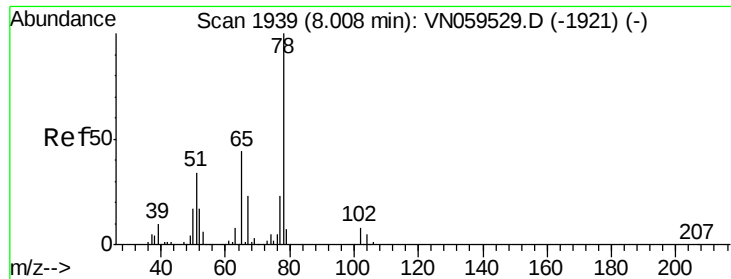
#32
1,1,1-Trichloroethane
Concen: 53.043 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 97 Resp: 259131
Ion Ratio Lower Upper
97 100
99 63.8 51.4 77.2
61 48.1 38.5 57.7



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

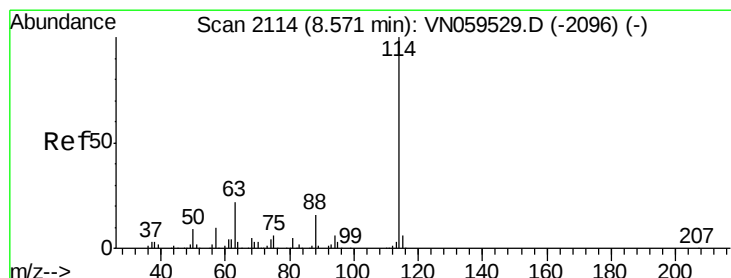
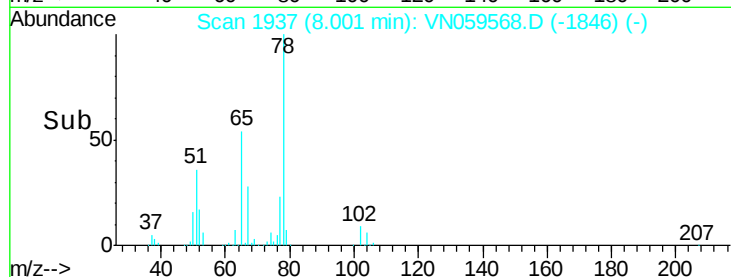
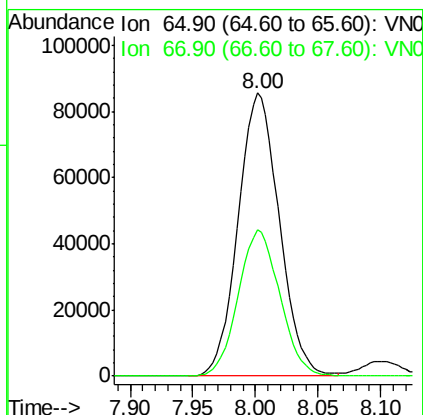
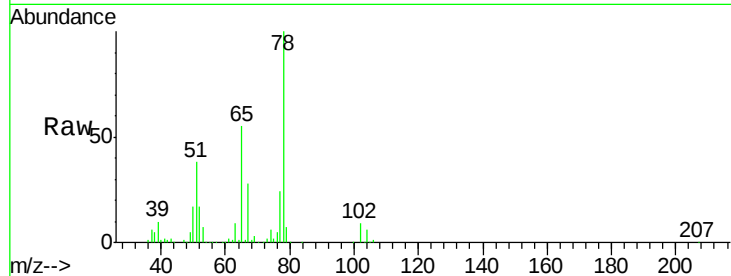




#33
 1,2-Dichloroethane-d4
 Concen: 54.160 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

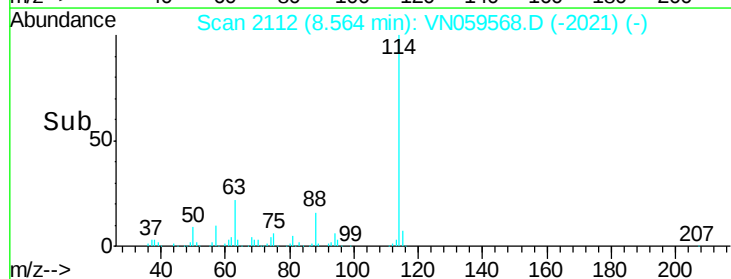
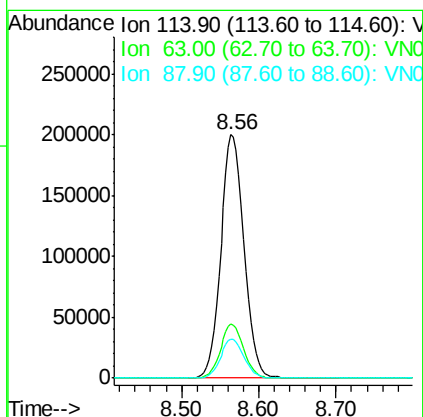
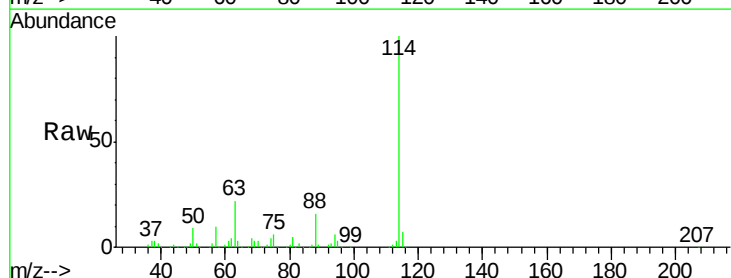
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

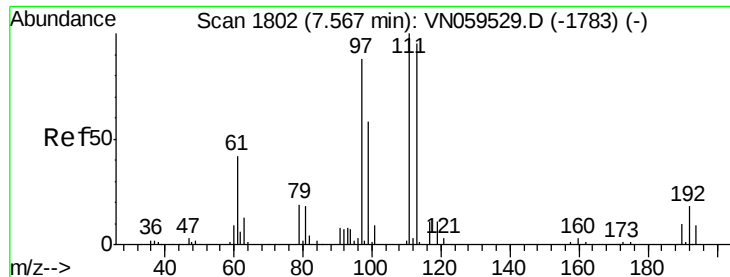
Tgt Ion: 65 Resp: 195171
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 114 Resp: 415480
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.0
 88 16.1 0.0 32.2

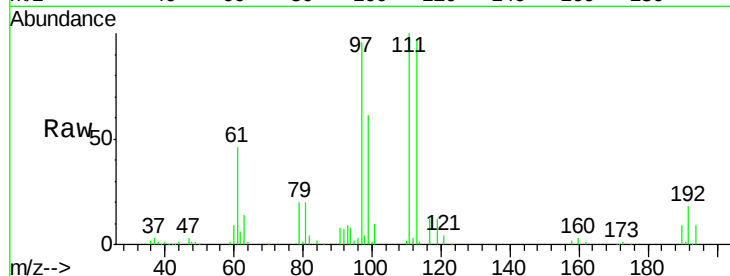




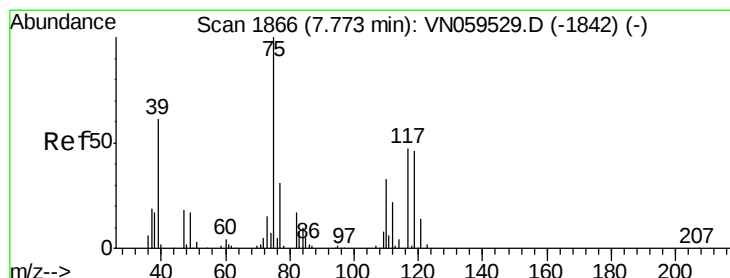
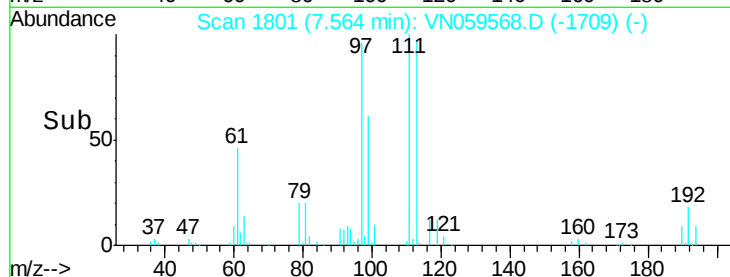
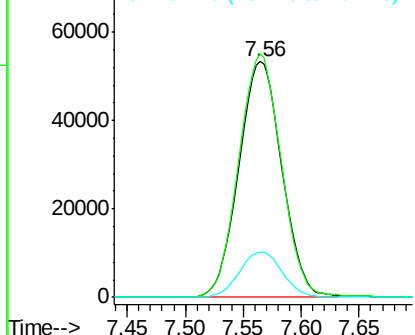
#35
 Dibromofluoromethane
 Concen: 55.525 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 113 Resp: 137667
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 19.1 14.8 22.2

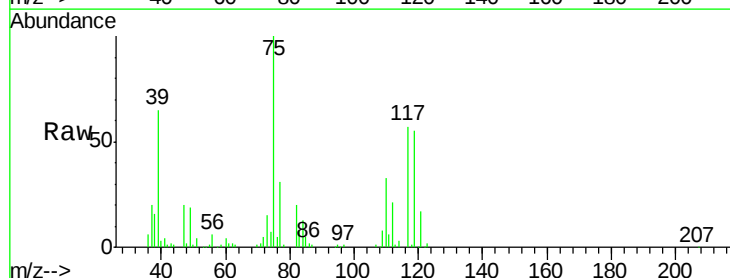


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

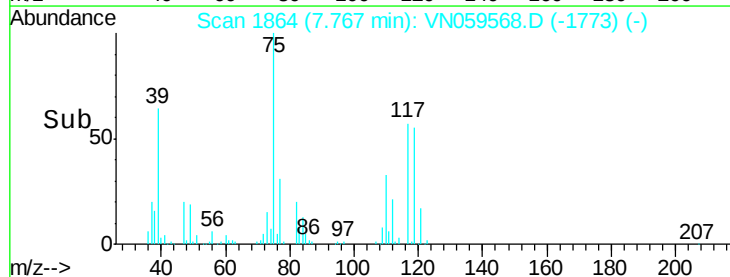
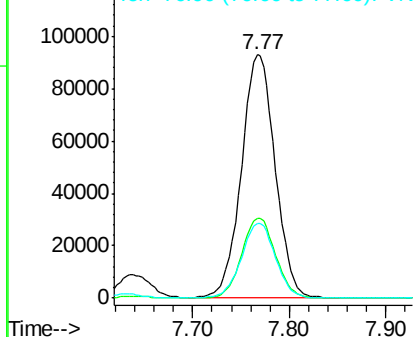


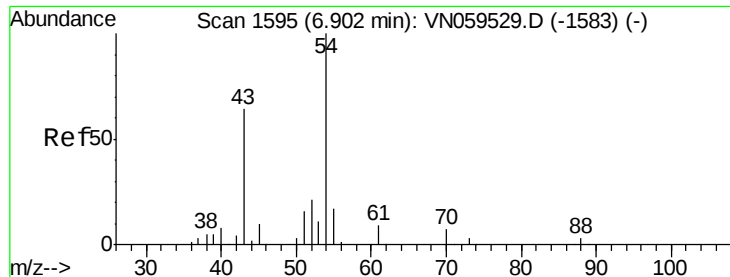
#36
 1,1-Dichloropropene
 Concen: 52.539 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 75 Resp: 223958
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.7 50.0
 77 31.4 24.6 37.0



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

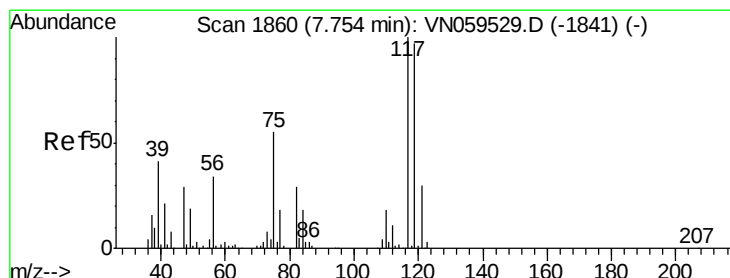
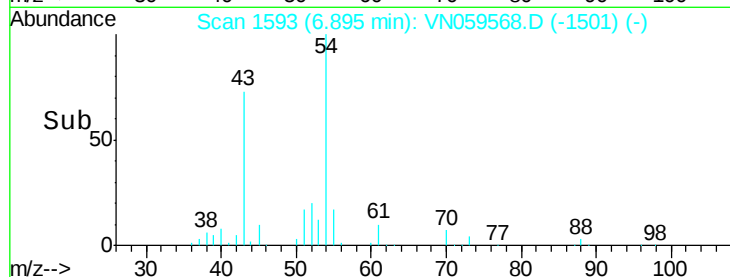
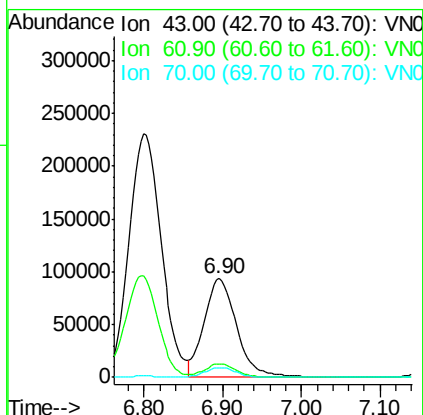
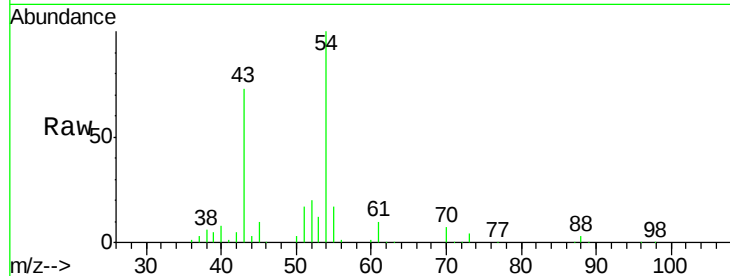




#37
 Ethyl Acetate
 Concen: 53.049 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

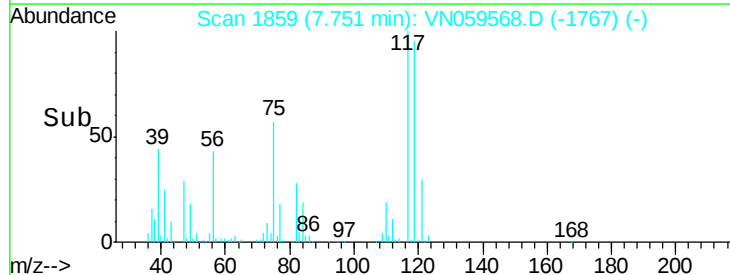
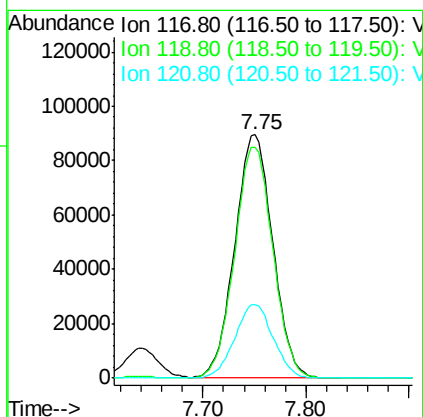
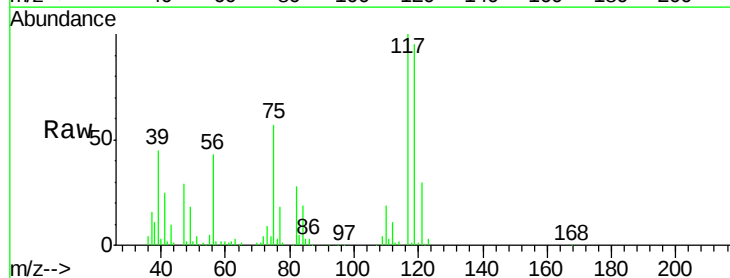
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

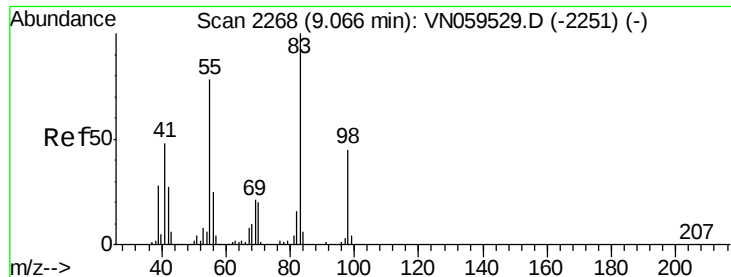
Tgt Ion: 43 Resp: 264179
 Ion Ratio Lower Upper
 43 100
 61 13.6 11.0 16.6
 70 9.1 7.7 11.5



#38
 Carbon Tetrachloride
 Concen: 54.716 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 117 Resp: 229896
 Ion Ratio Lower Upper
 117 100
 119 94.8 77.0 115.4
 121 30.3 24.1 36.1

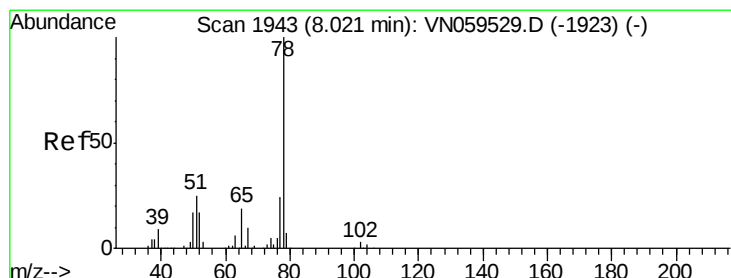
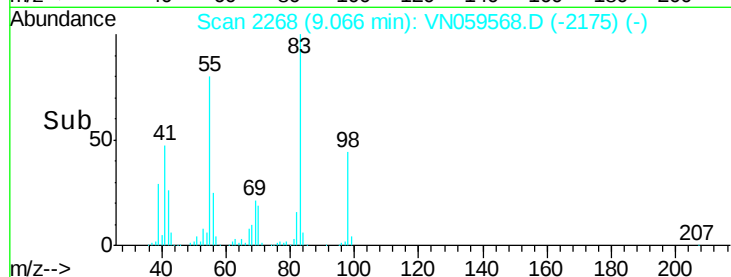
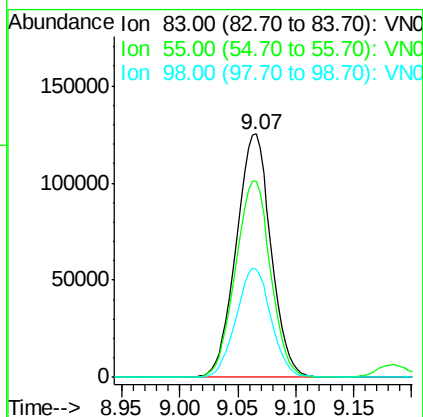
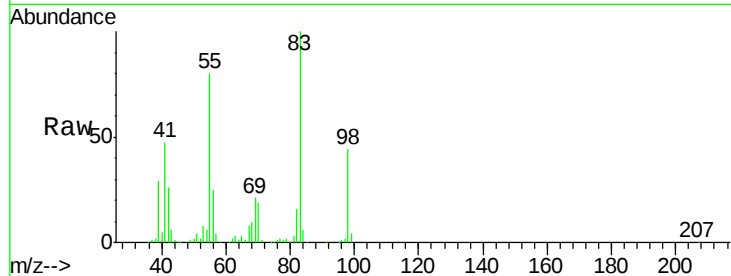




#39
Methylcyclohexane
Concen: 54.510 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

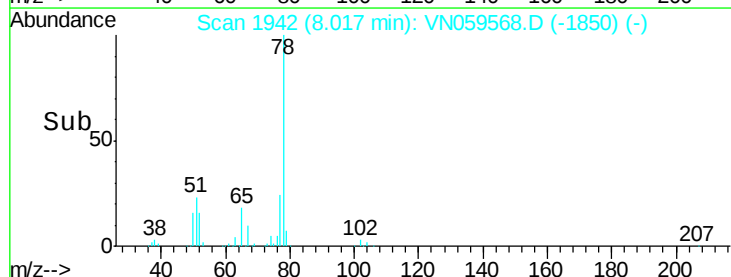
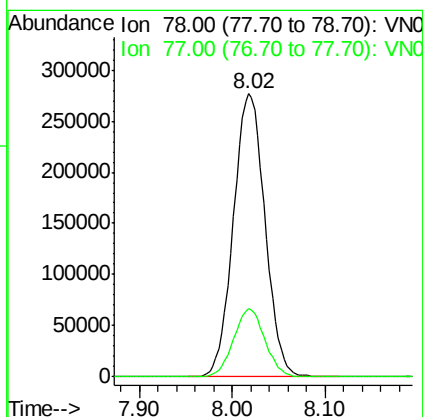
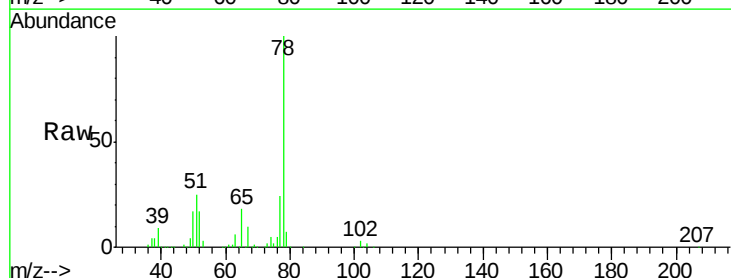
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

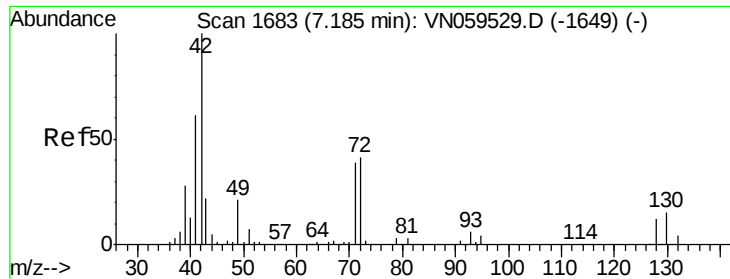
Tgt Ion: 83 Resp: 260640
Ion Ratio Lower Upper
83 100
55 80.4 62.7 94.1
98 44.3 35.7 53.5



#40
Benzene
Concen: 53.770 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 78 Resp: 654773
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

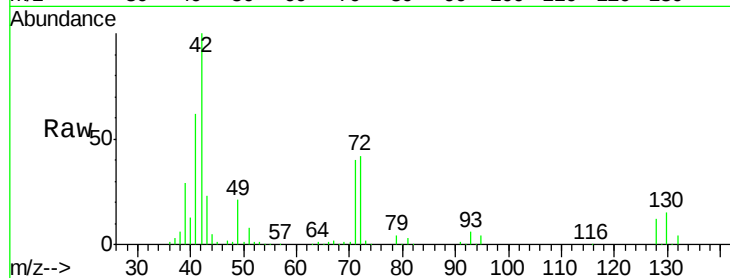




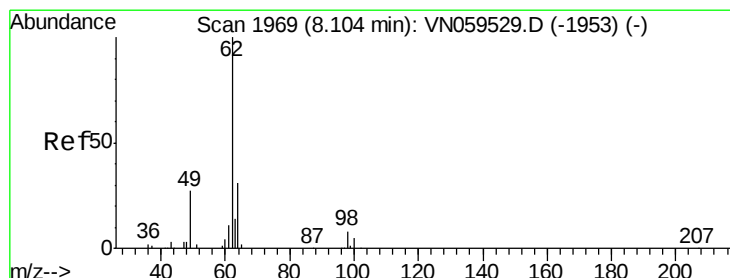
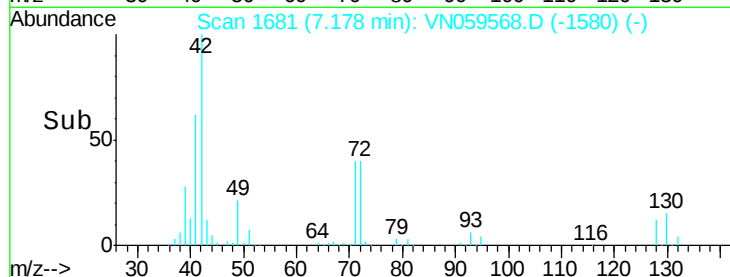
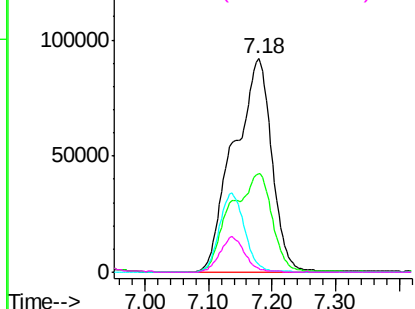
#41
Methacrylonitrile
Concen: 185.010 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.02 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	383255
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

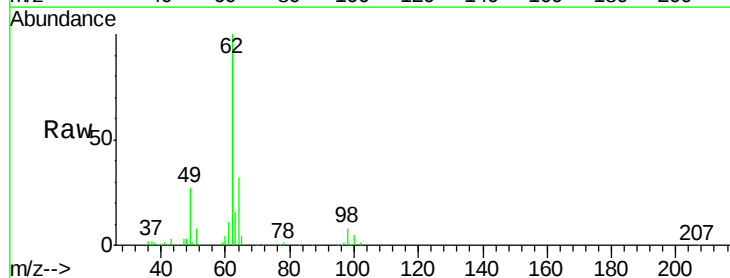


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

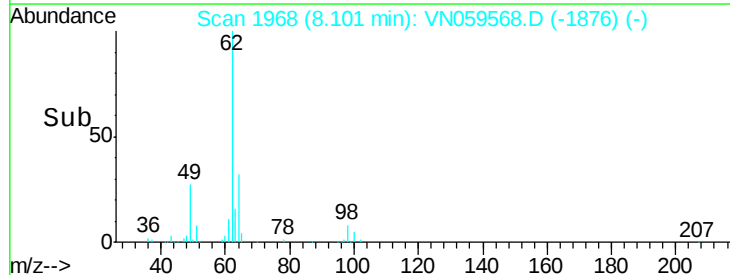
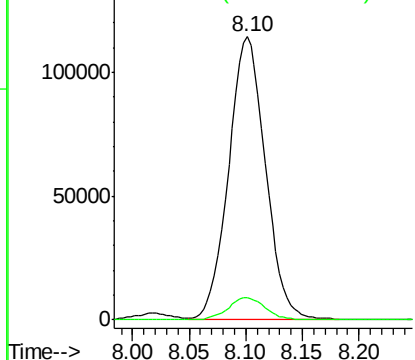


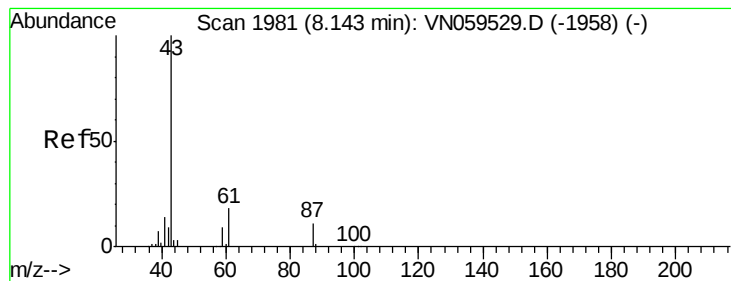
#42
1,2-Dichloroethane
Concen: 56.820 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion:	62	Resp:	257795
Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4



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





#43

Isopropyl Acetate

Concen: 57.212 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

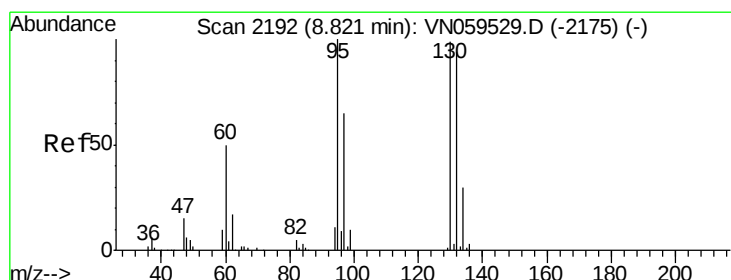
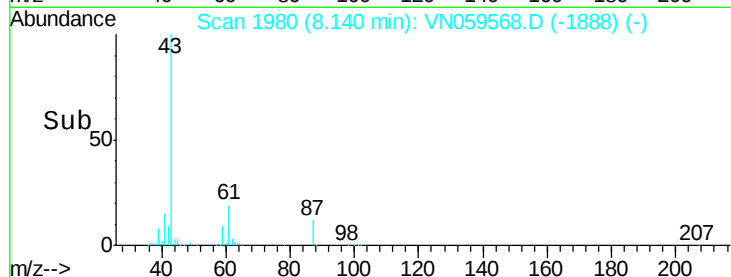
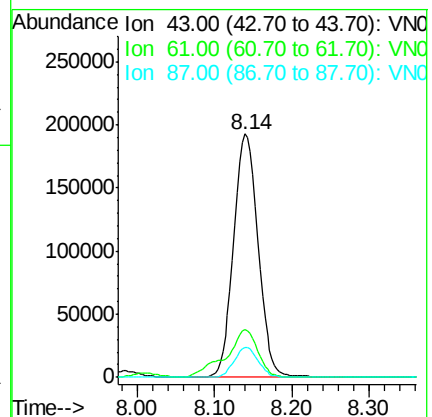
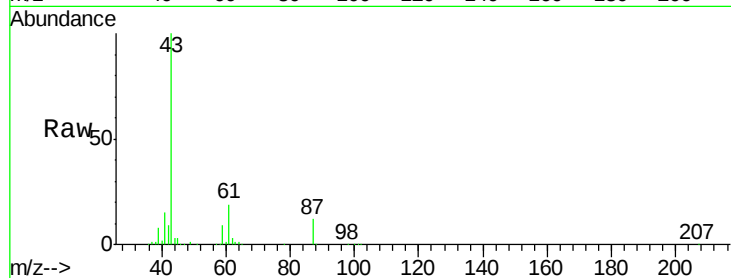
Tgt Ion: 43 Resp: 420980

Ion Ratio Lower Upper

43 100

61 25.3 19.8 29.6

87 12.0 9.4 14.2



#44

Trichloroethene

Concen: 53.903 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059568.D

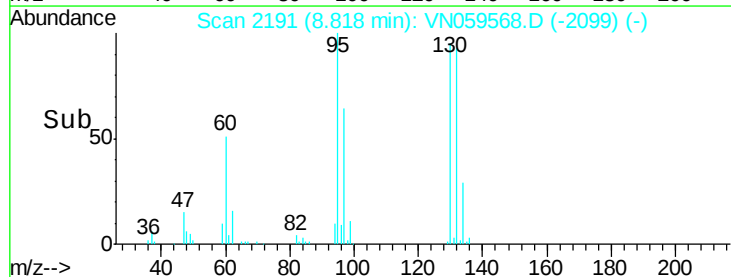
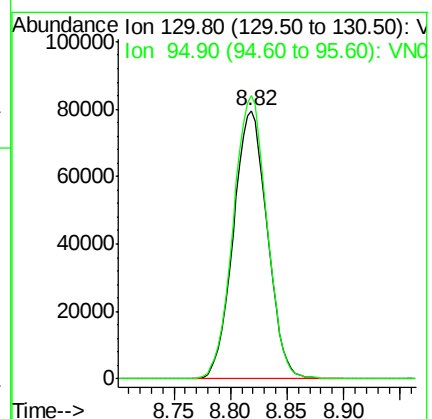
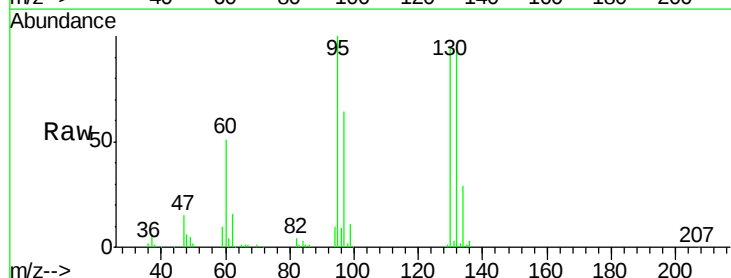
Acq: 12 Dec 2019 11:56

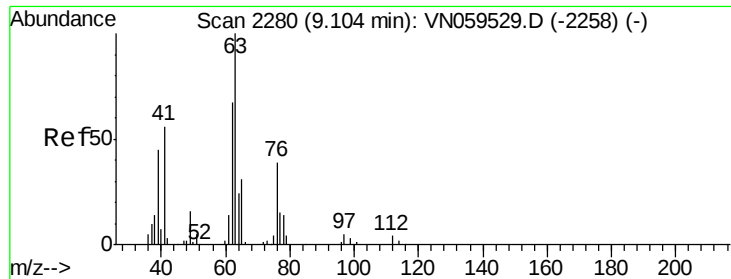
Tgt Ion: 130 Resp: 165826

Ion Ratio Lower Upper

130 100

95 105.5 0.0 202.0

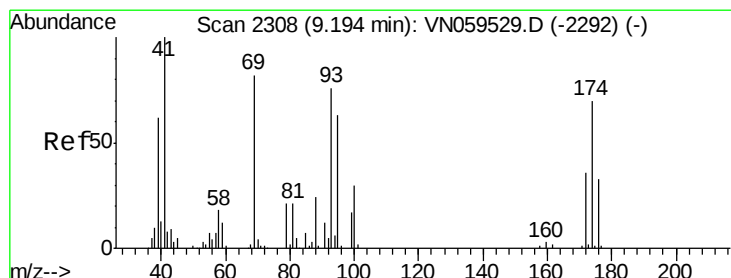
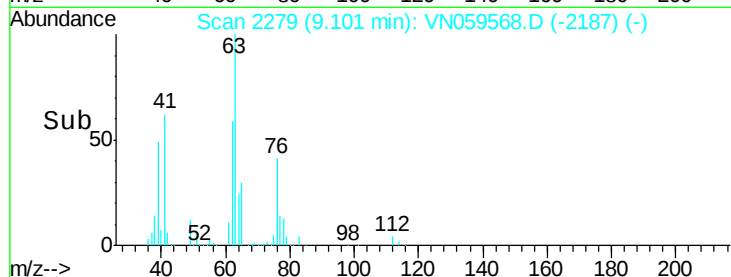
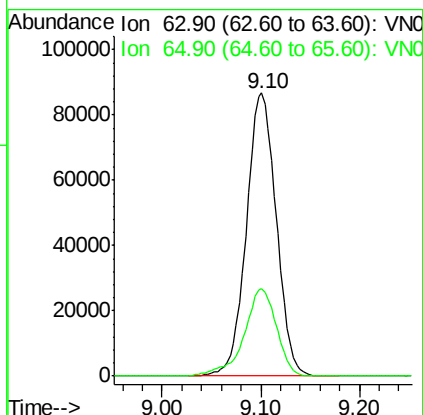
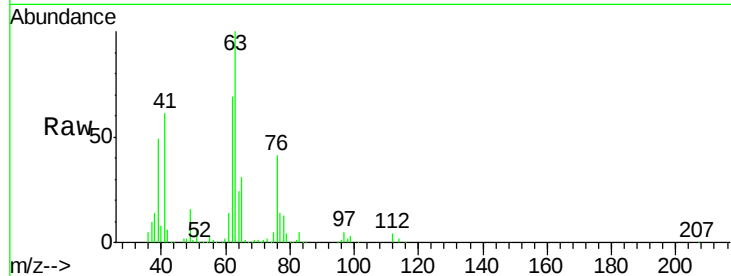




#45
 1,2-Dichloropropane
 Concen: 56.108 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

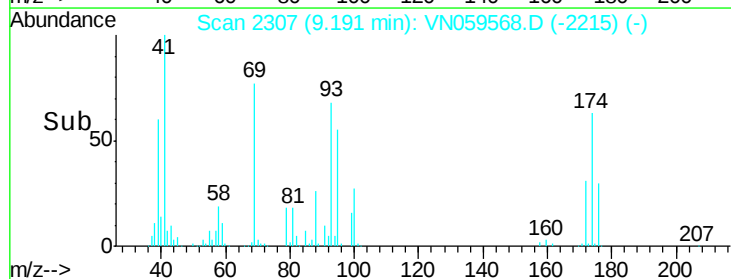
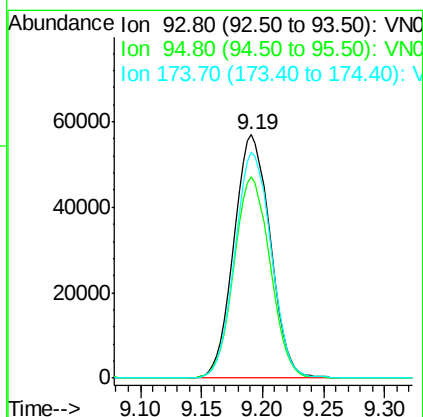
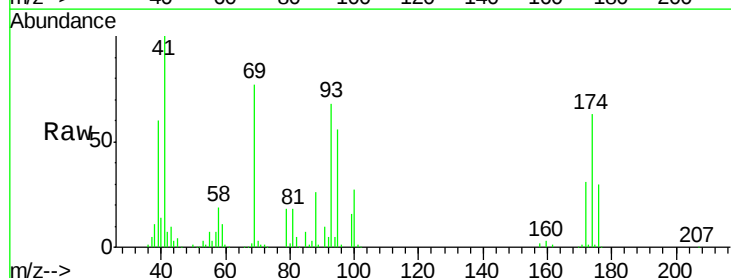
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

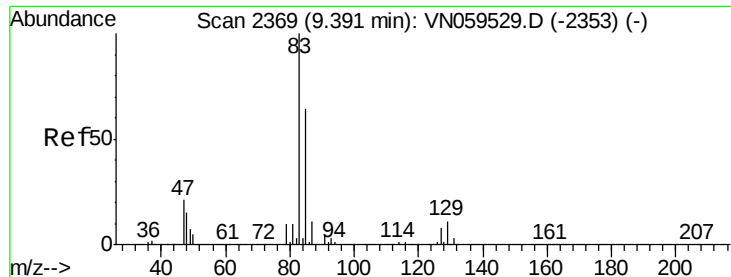
Tgt Ion: 63 Resp: 180998
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.8 37.2



#46
 Dibromomethane
 Concen: 55.317 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 93 Resp: 117931
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.6
 174 92.4 75.6 113.4





#47

Bromodichloromethane

Concen: 56.545 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

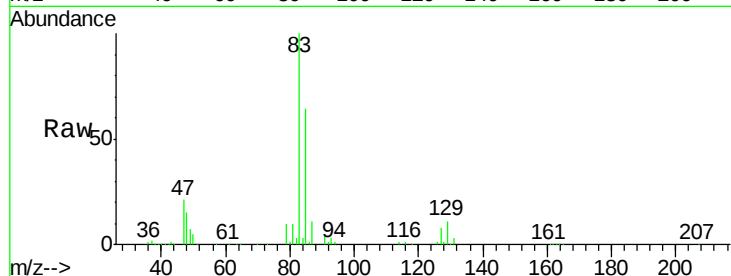
Tgt Ion: 83 Resp: 239582

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.0

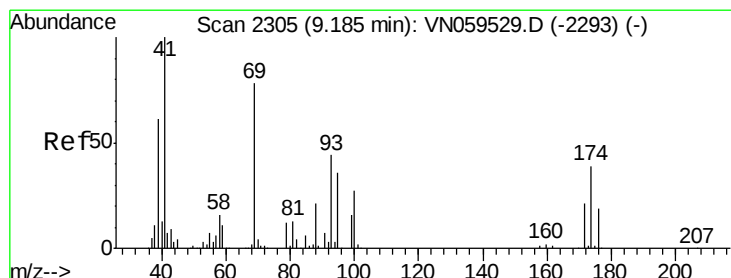
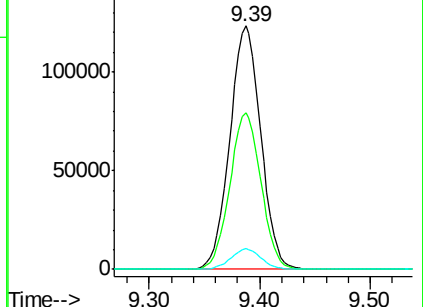
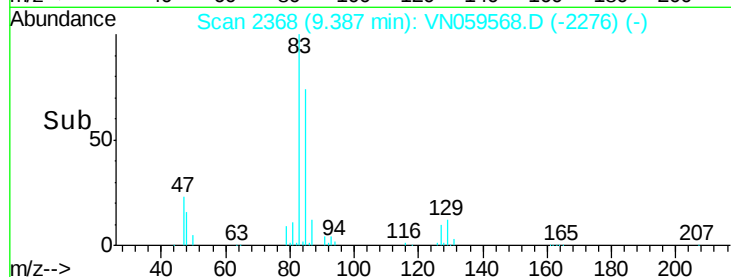
127 8.4 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN059568.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059568.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059568.D (-2276) (-)



#48

Methyl methacrylate

Concen: 59.605 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

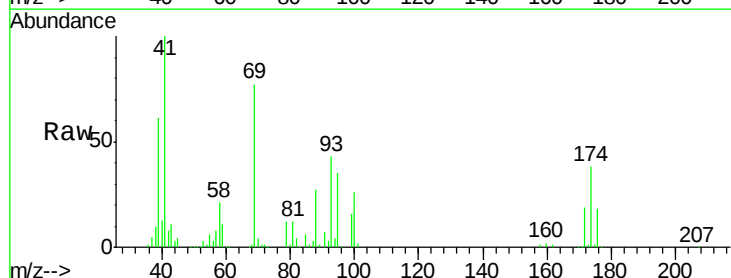
Tgt Ion: 41 Resp: 191771

Ion Ratio Lower Upper

41 100

69 79.2 64.0 96.0

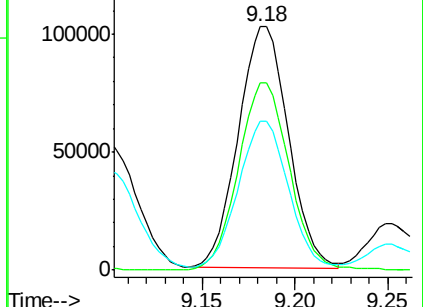
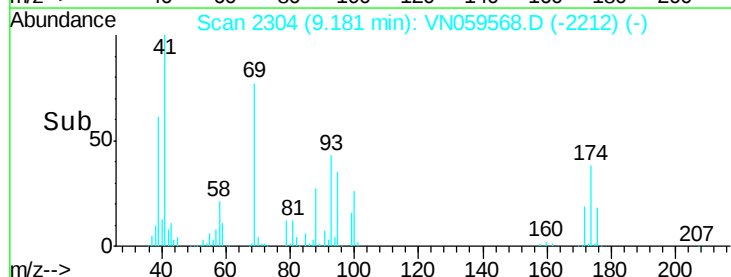
39 62.1 50.0 75.0

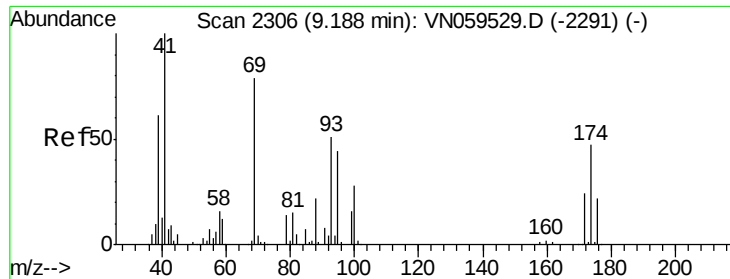


Abundance Ion 41.00 (40.70 to 41.70): VN059568.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059568.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059568.D (-2212) (-)

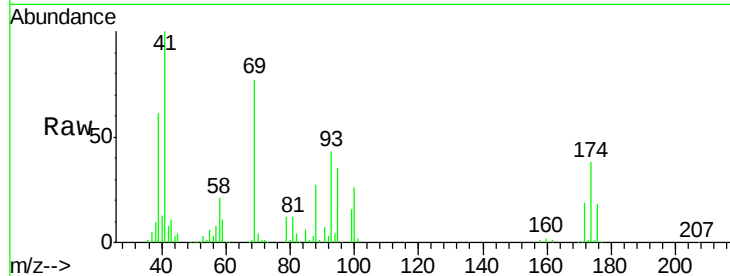




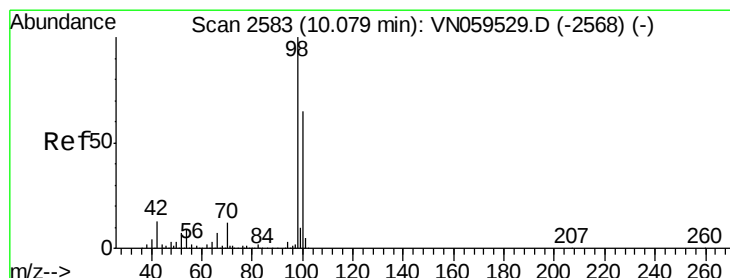
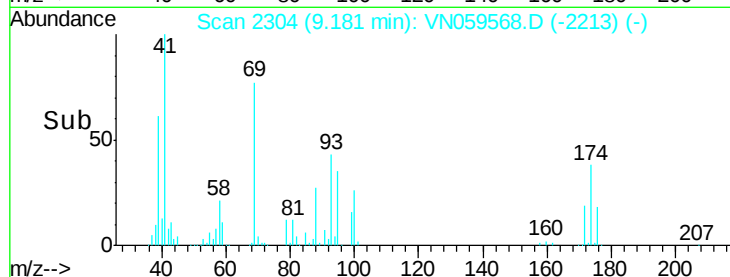
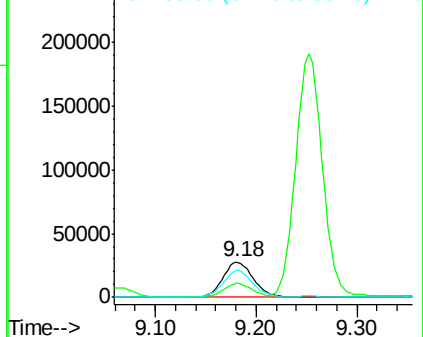
#49
1,4-Dioxane
Concen: 1425.856 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 58695
Ion Ratio Lower Upper
88 100
43 38.1 31.4 47.0
58 73.1 61.0 91.6

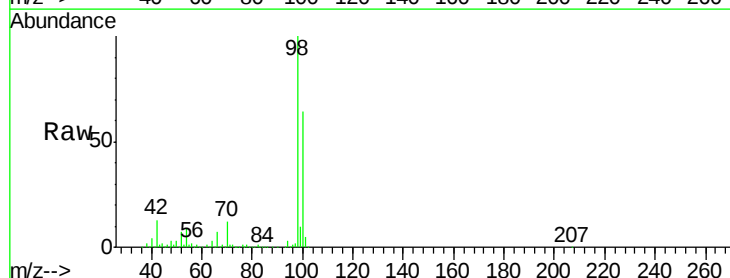


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

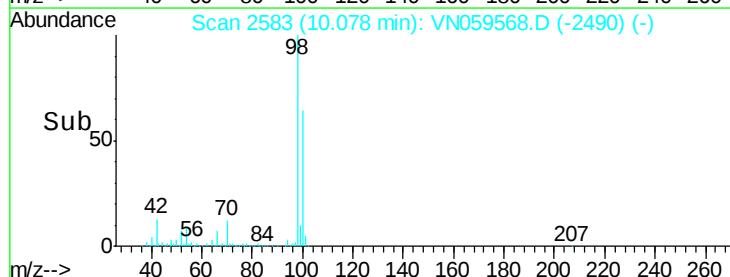
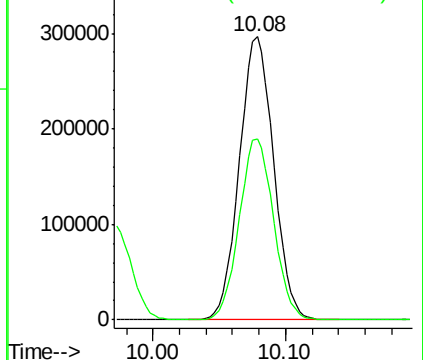


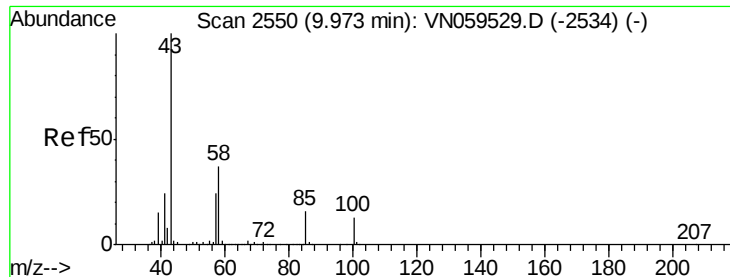
#50
Toluene-d8
Concen: 52.674 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 98 Resp: 533171
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



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

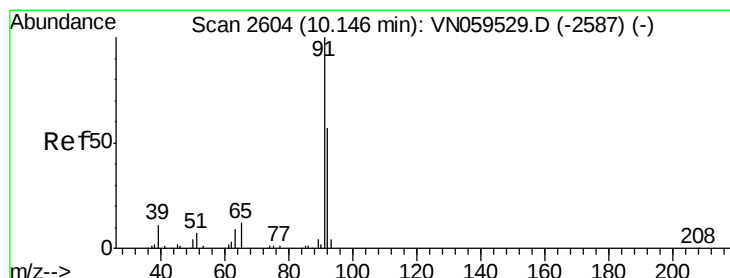
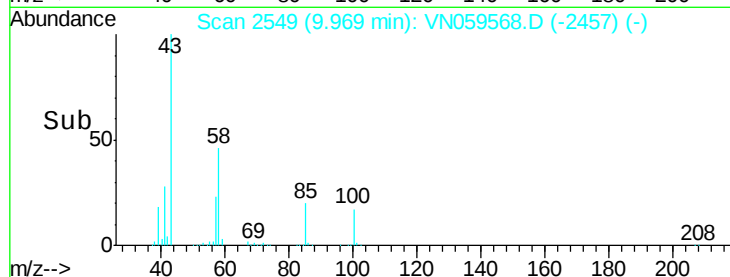
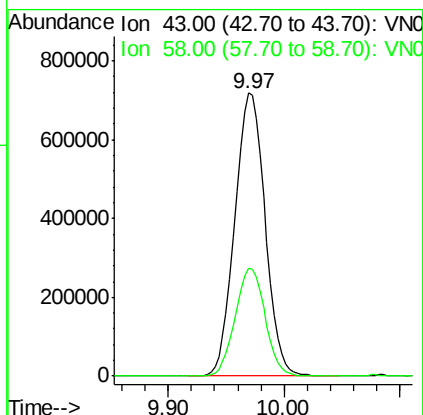
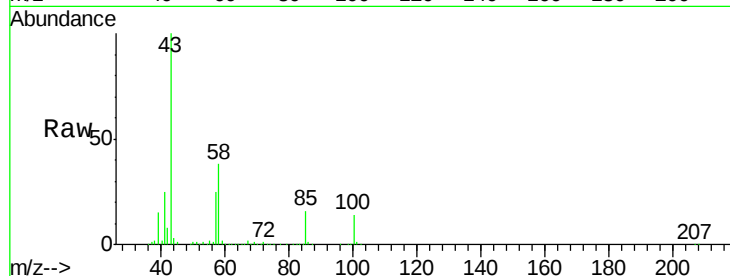




#51
 4-Methyl-2-Pentanone
 Concen: 278.294 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

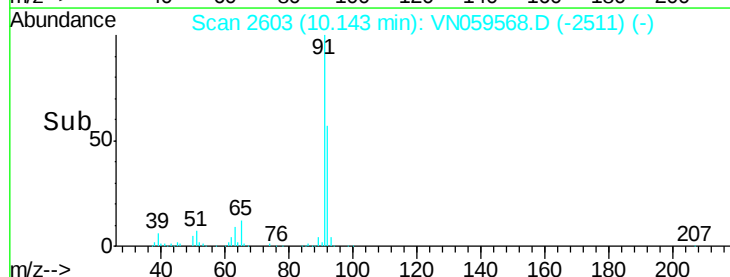
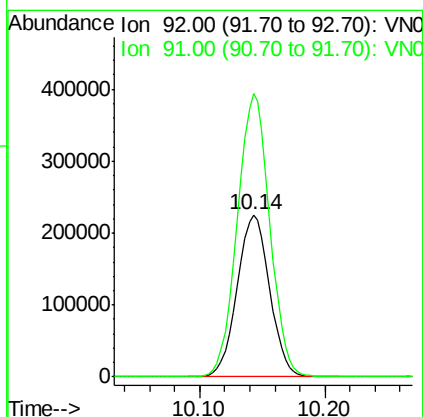
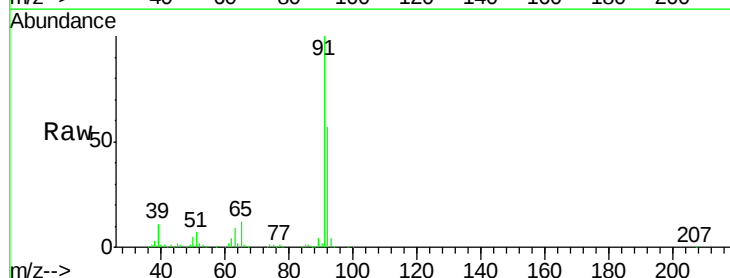
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

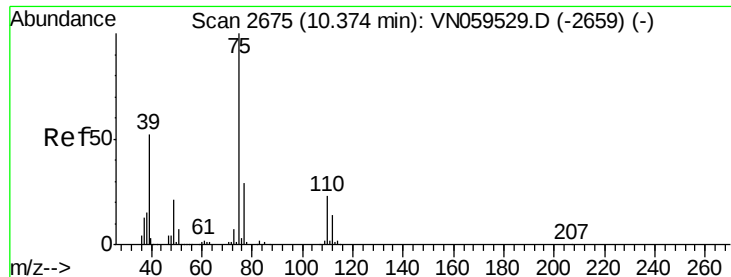
Tgt Ion: 43 Resp: 1300681
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.1 45.1



#52
 Toluene
 Concen: 55.897 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 92 Resp: 405562
 Ion Ratio Lower Upper
 92 100
 91 174.7 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 57.507 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

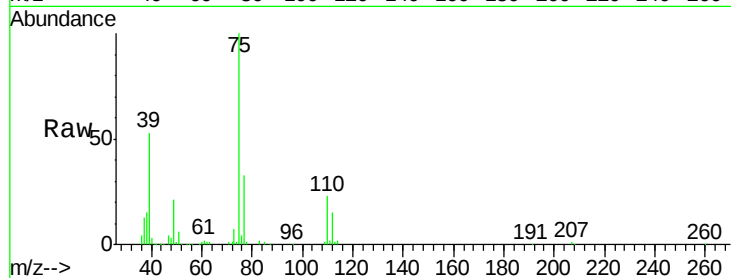
VSTDCCC050

Tgt Ion: 75 Resp: 283892

Ion Ratio Lower Upper

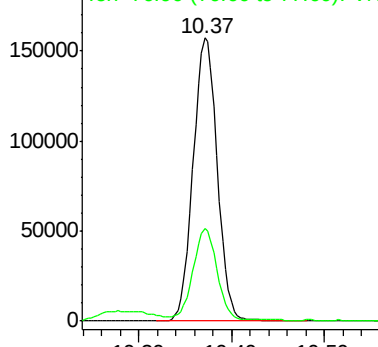
75 100

77 32.4 24.5 36.7

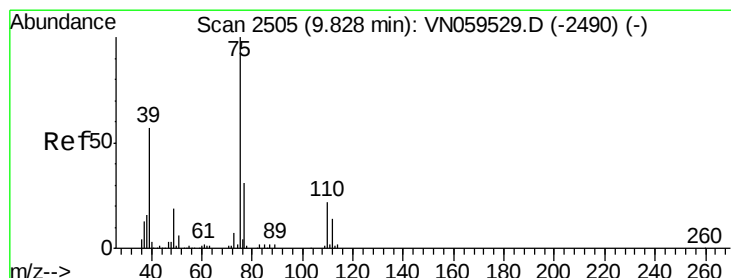
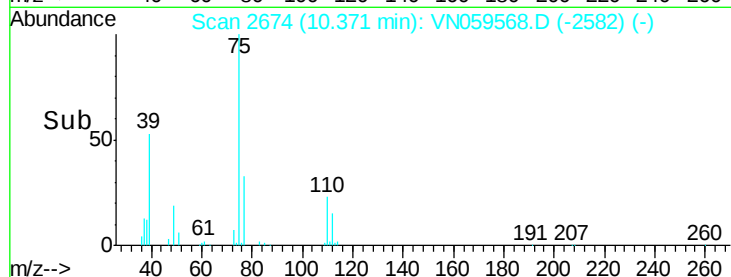


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 58.313 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

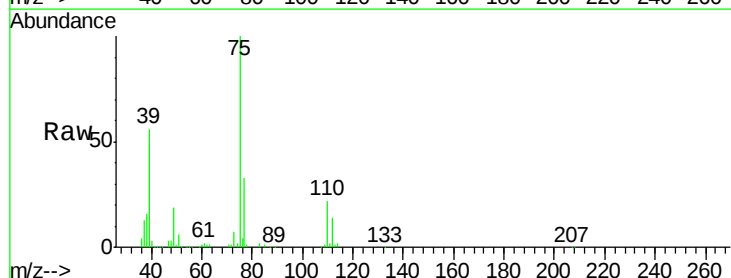
Tgt Ion: 75 Resp: 294628

Ion Ratio Lower Upper

75 100

77 32.8 24.6 36.8

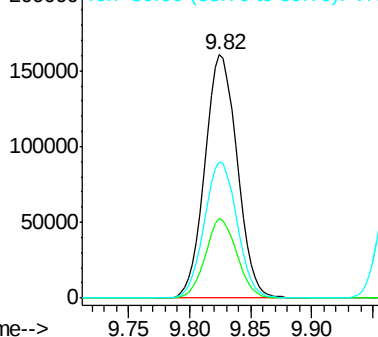
39 56.0 45.6 68.4



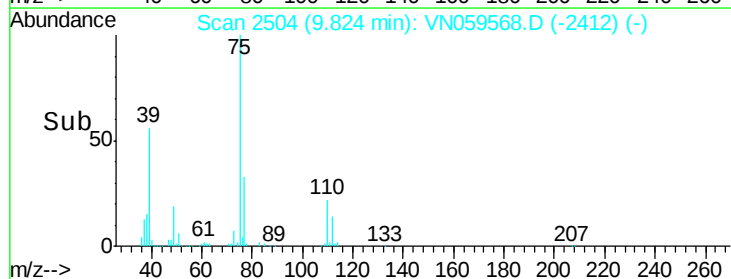
Abundance Ion 74.90 (74.60 to 75.60): VN0

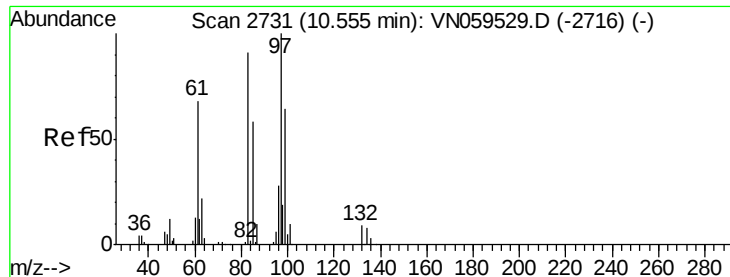
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

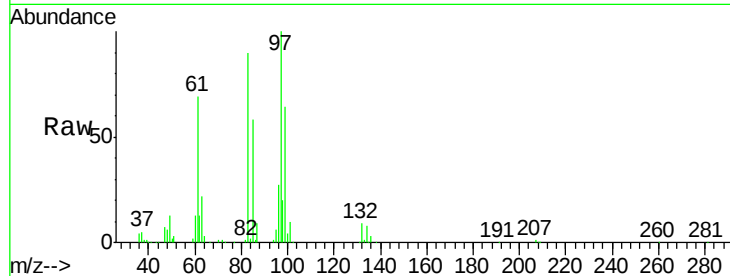




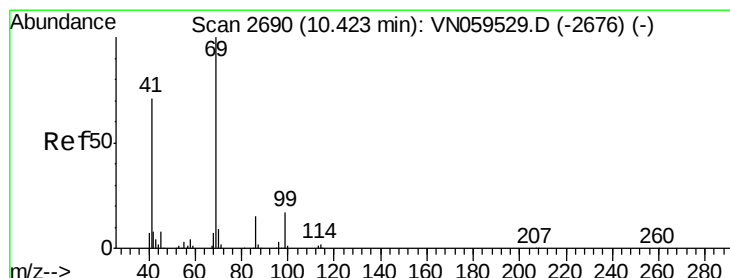
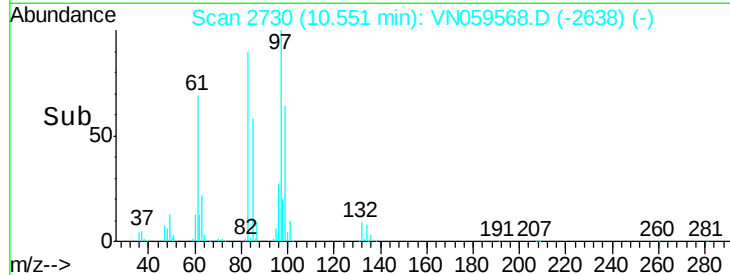
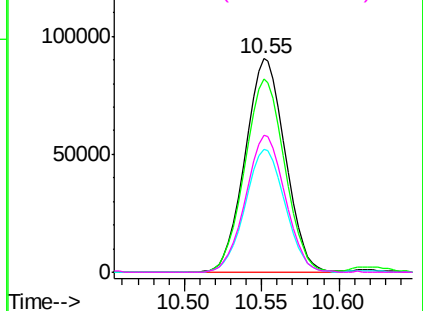
#55
 1,1,2-Trichloroethane
 Concen: 55.713 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 97 Resp: 163485
 Ion Ratio Lower Upper
 97 100
 83 90.4 72.9 109.3
 85 57.6 46.1 69.1
 99 64.3 50.8 76.2

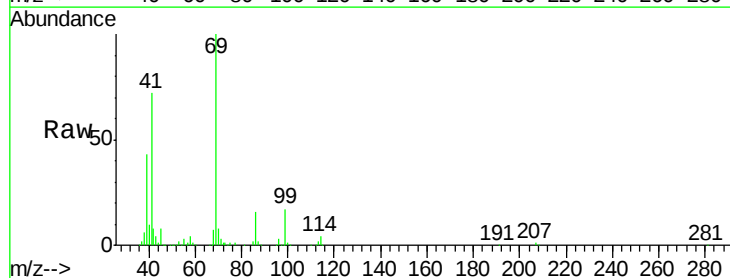


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

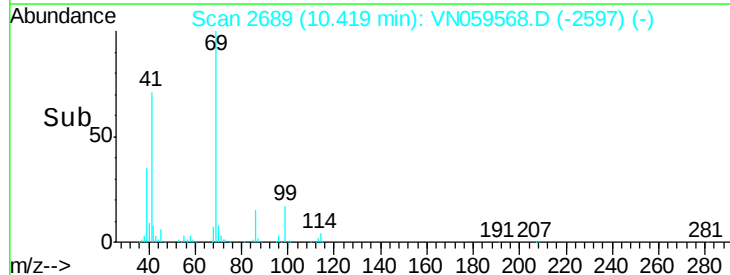
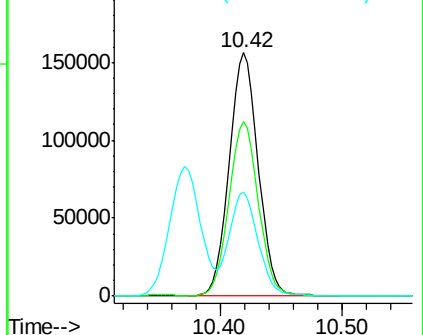


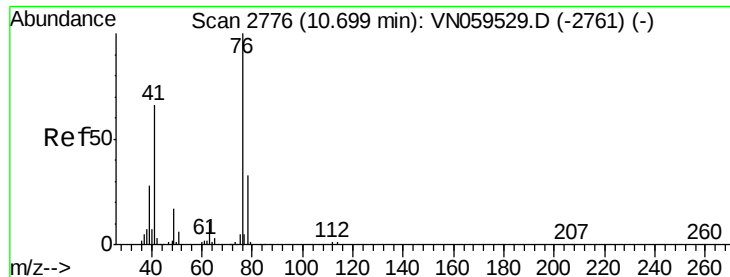
#56
 Ethyl methacrylate
 Concen: 51.213 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 69 Resp: 259154
 Ion Ratio Lower Upper
 69 100
 41 72.0 57.7 86.5
 39 42.3 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: 57.148 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

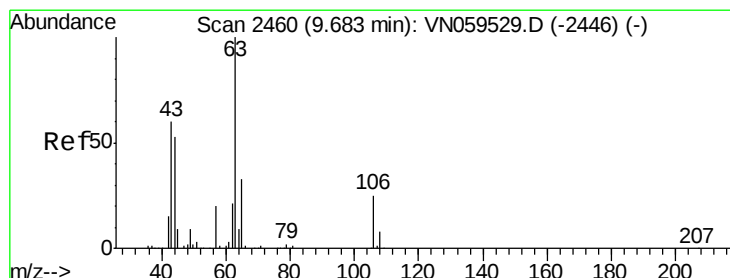
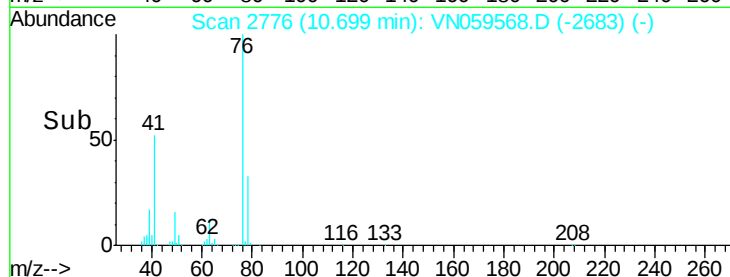
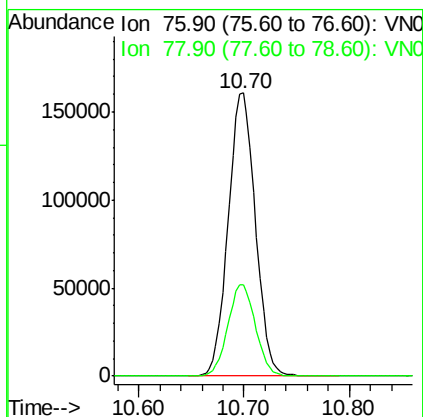
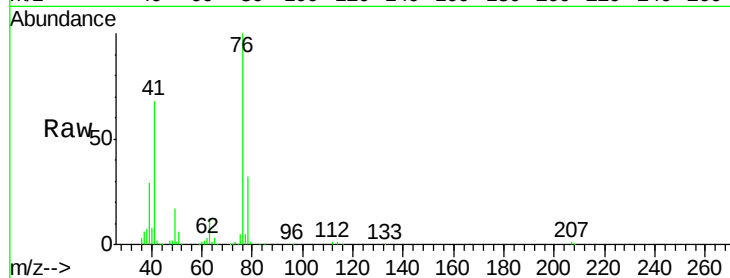
VSTDCCC050

Tgt Ion: 76 Resp: 286406

Ion Ratio Lower Upper

76 100

78 32.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 358.844 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059568.D

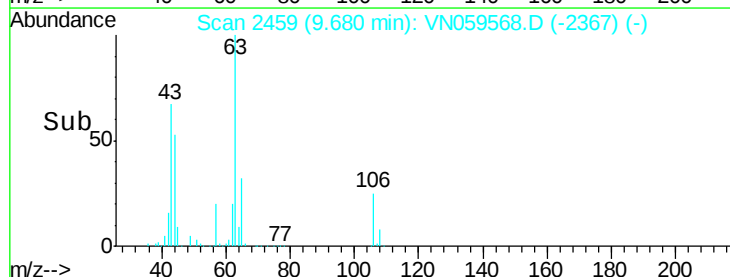
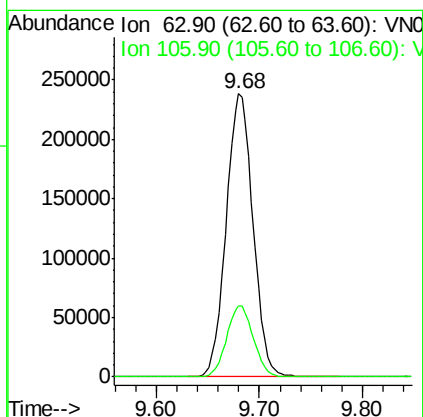
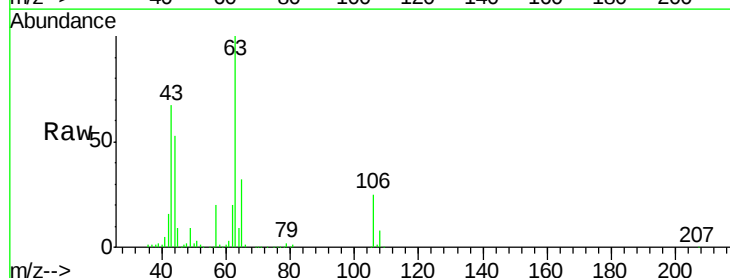
Acq: 12 Dec 2019 11:56

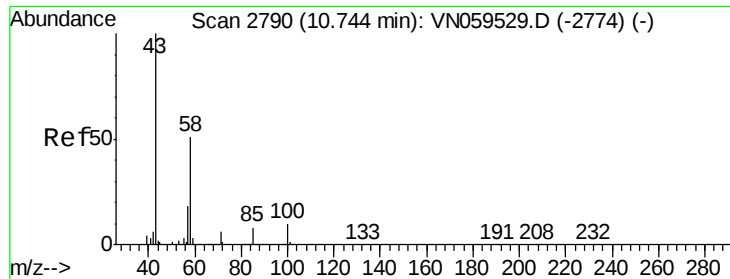
Tgt Ion: 63 Resp: 431376

Ion Ratio Lower Upper

63 100

106 25.1 19.9 29.9

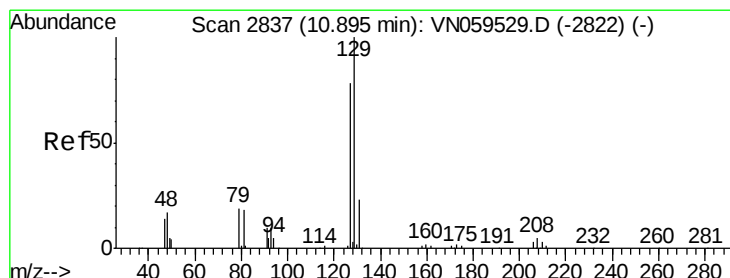
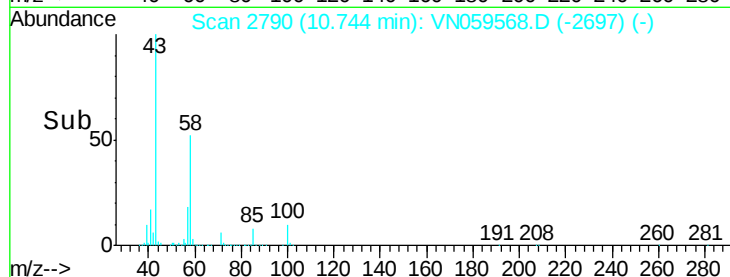
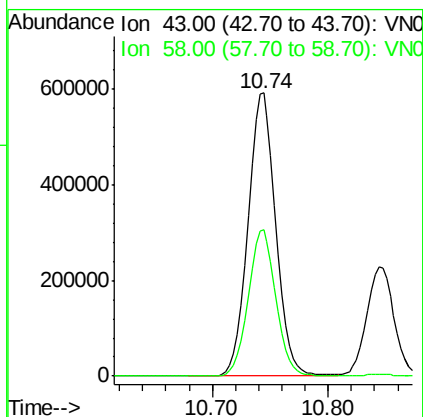
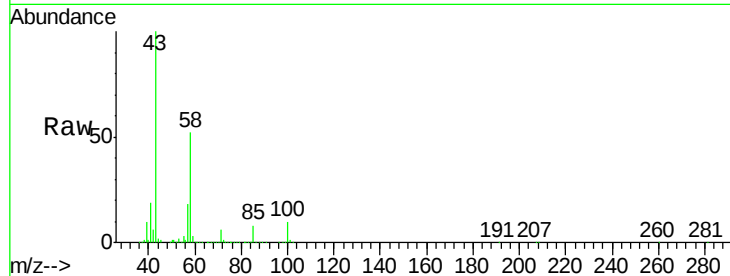




#59
2-Hexanone
Concen: 276.559 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

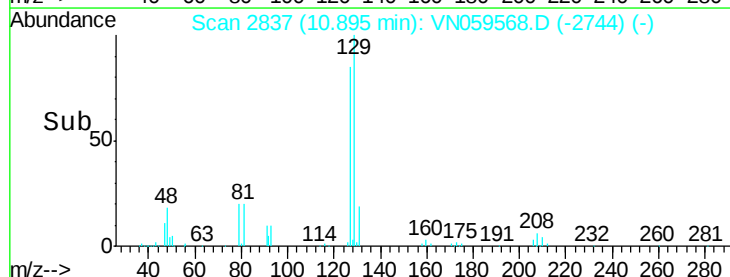
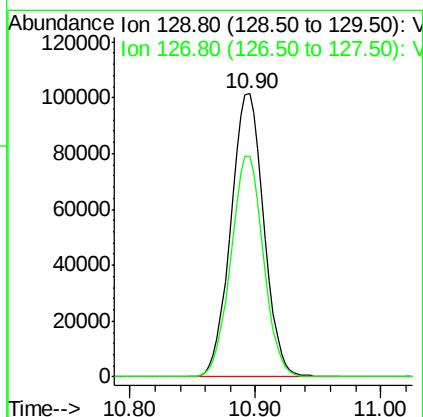
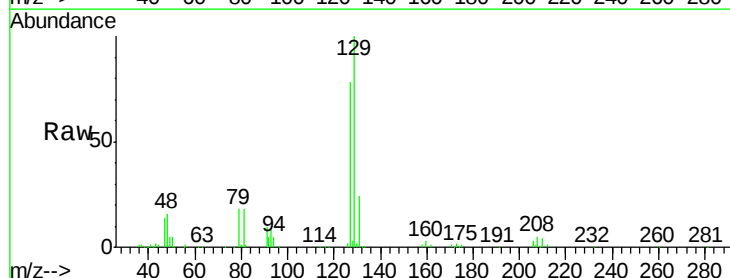
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

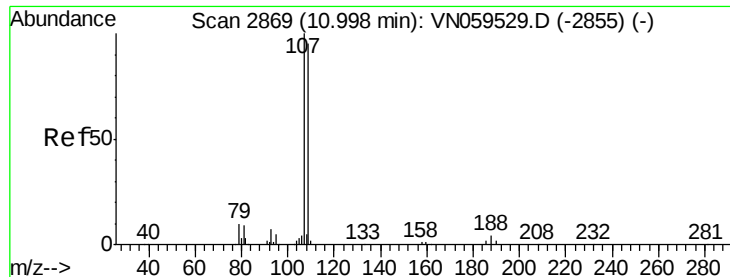
Tgt Ion: 43 Resp: 988448
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6



#60
Dibromochloromethane
Concen: 52.775 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 129 Resp: 185038
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 56.252 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

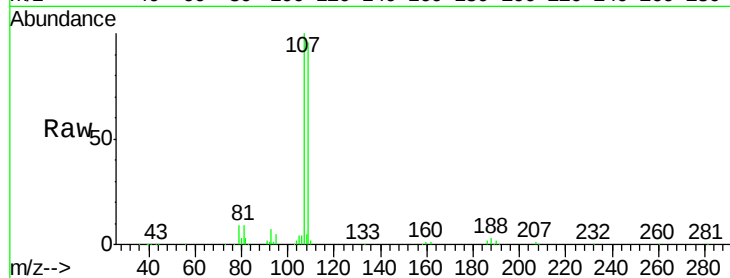
VSTDCCC050

Tgt Ion: 107 Resp: 171841

Ion Ratio Lower Upper

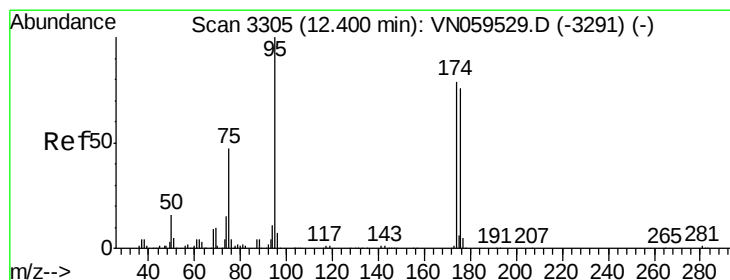
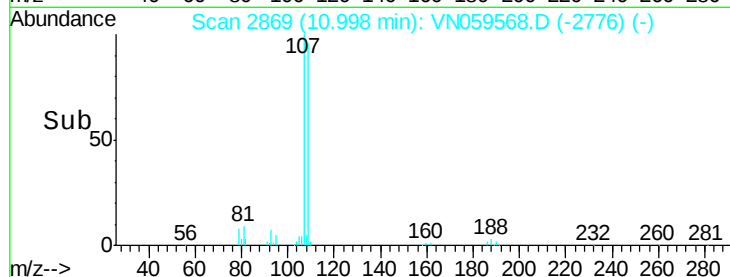
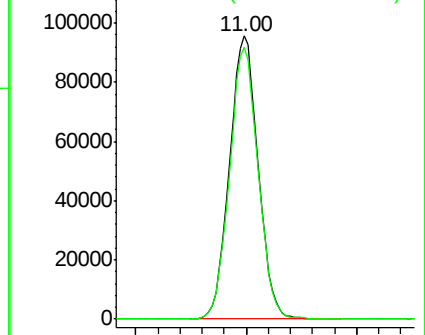
107 100

109 95.8 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: 52.918 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

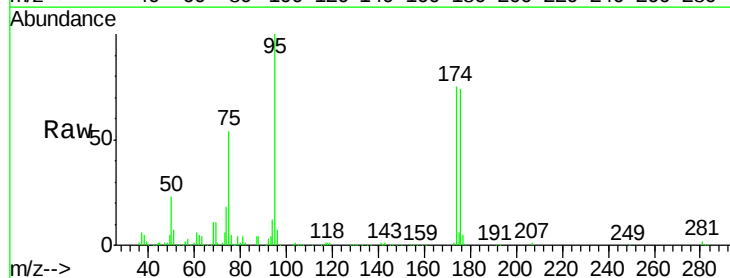
Tgt Ion: 95 Resp: 198276

Ion Ratio Lower Upper

95 100

174 76.4 0.0 158.0

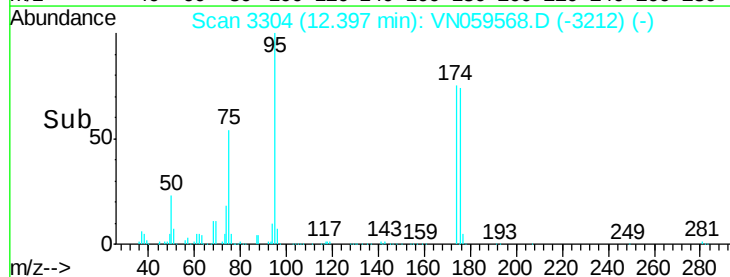
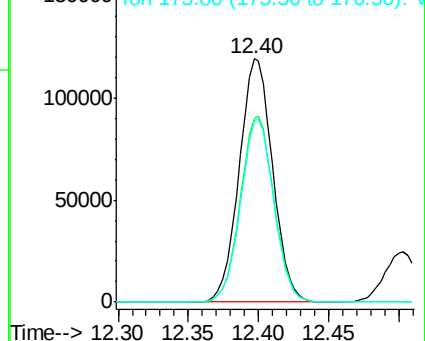
176 74.5 0.0 155.4

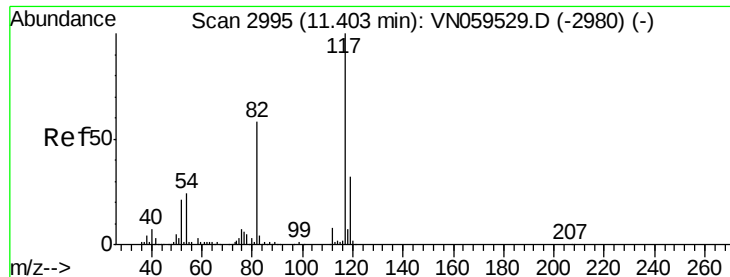


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

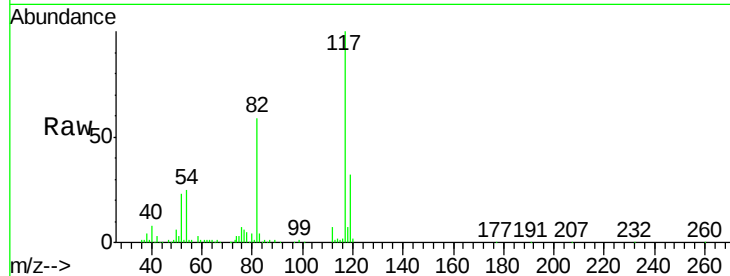




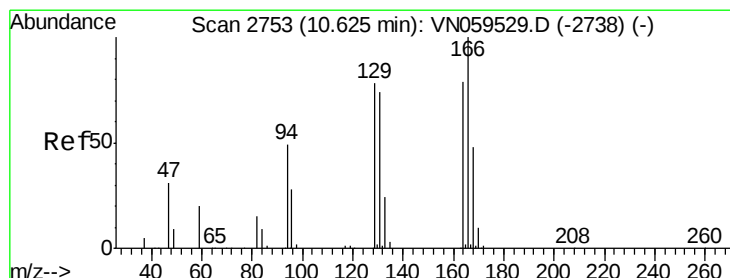
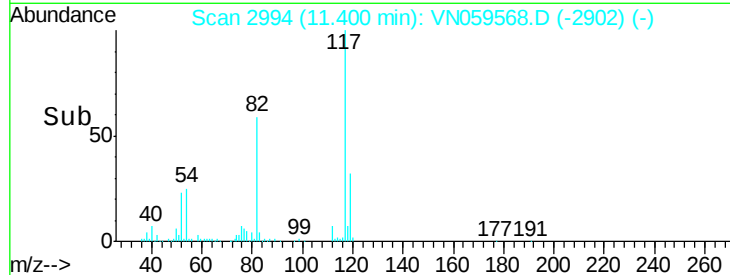
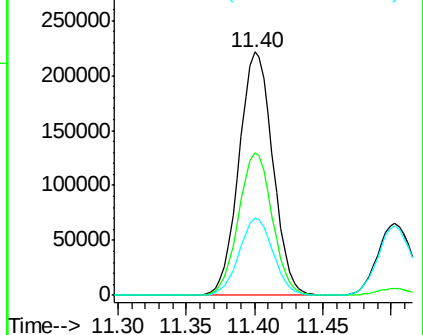
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 382856
Ion Ratio Lower Upper
117 100
82 58.6 46.5 69.7
119 31.9 25.2 37.8

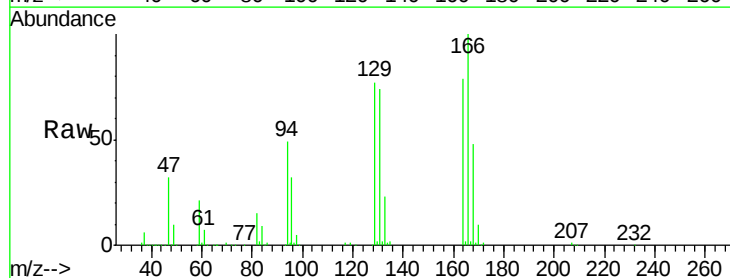


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

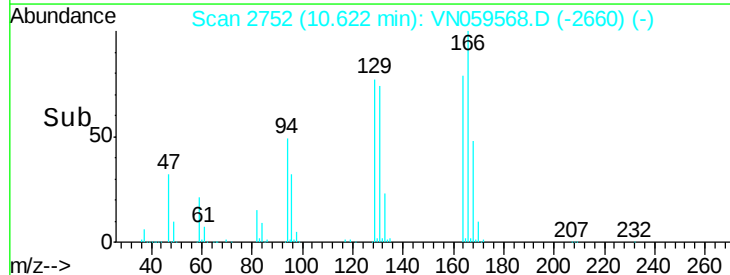
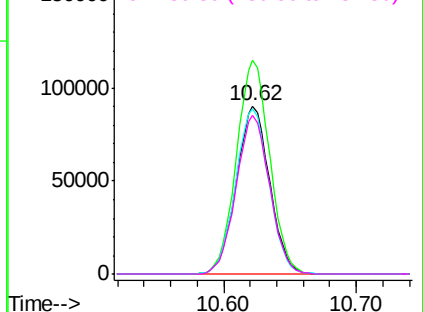


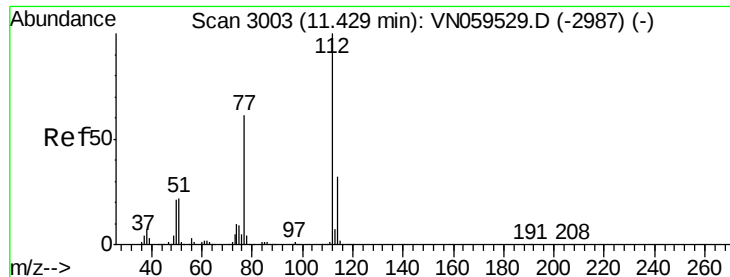
#64
Tetrachloroethene
Concen: 56.504 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion:164 Resp: 158104
Ion Ratio Lower Upper
164 100
166 127.2 101.6 152.4
129 98.4 79.0 118.6
131 94.2 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

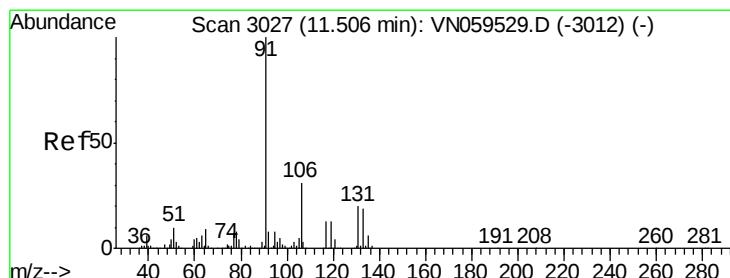
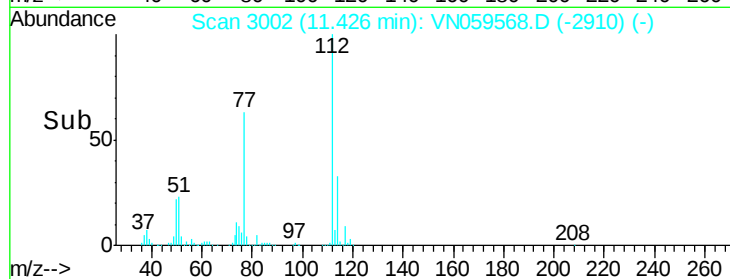
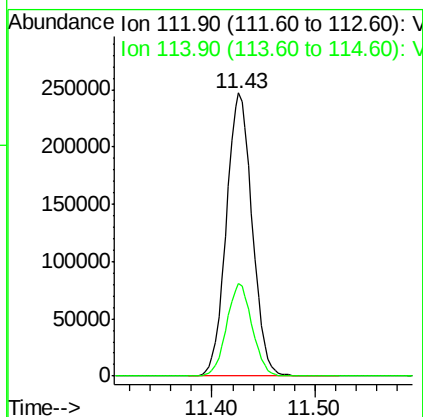
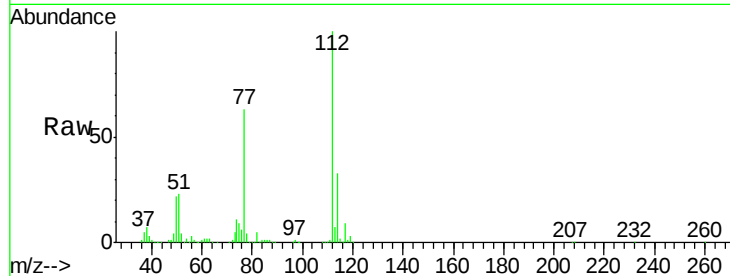




#65
Chlorobenzene
Concen: 53.720 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

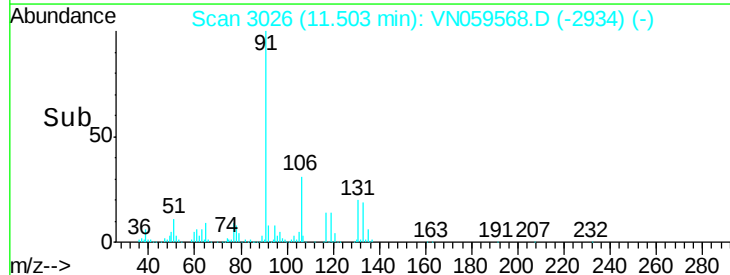
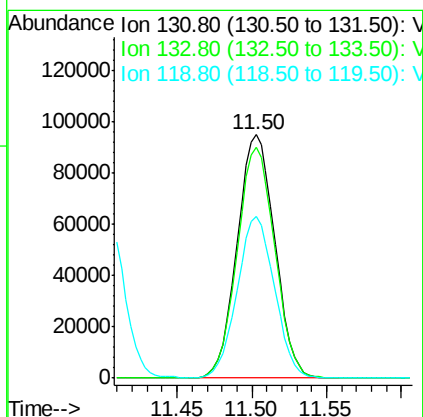
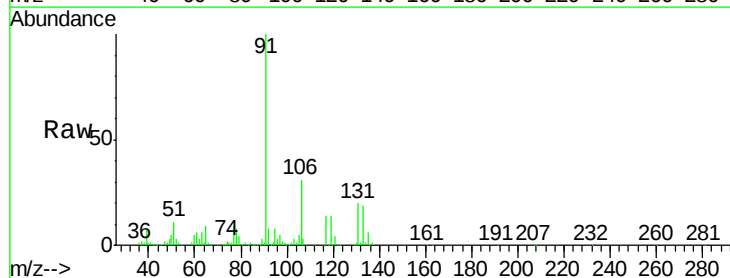
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

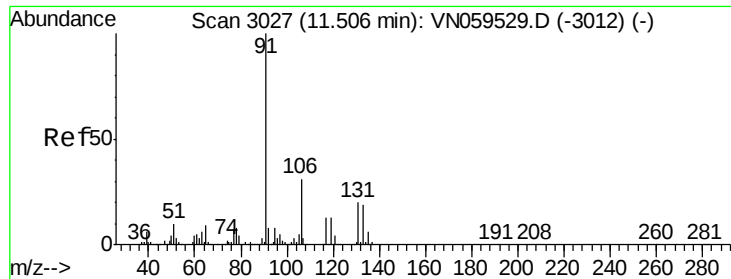
Tgt Ion:112 Resp: 430950
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 55.598 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion:131 Resp: 166347
Ion Ratio Lower Upper
131 100
133 95.0 47.8 143.3
119 65.9 33.4 100.2

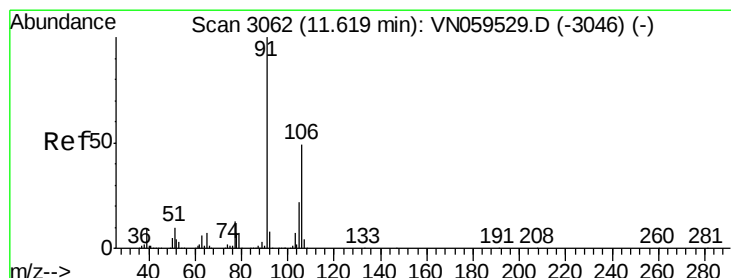
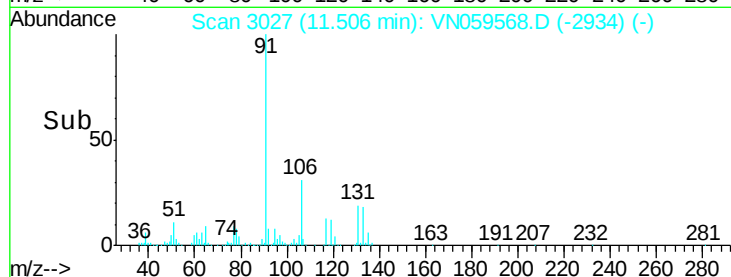
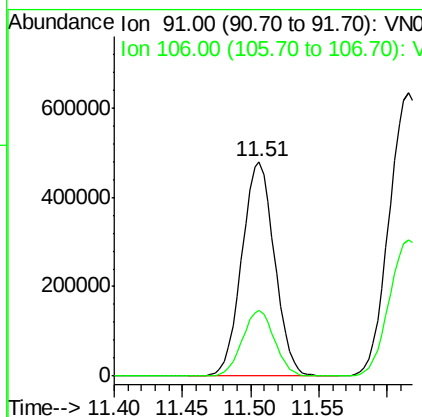
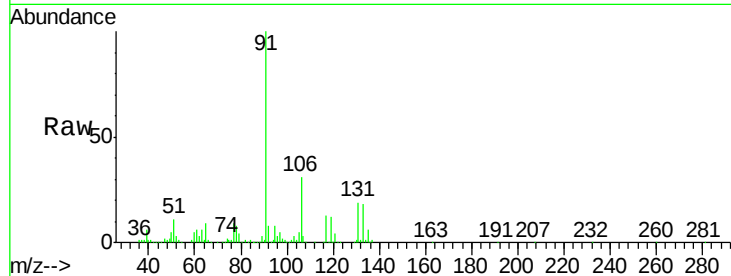




#67
Ethyl Benzene
Concen: 55.131 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

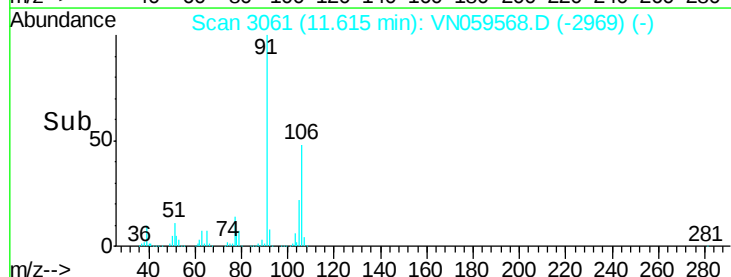
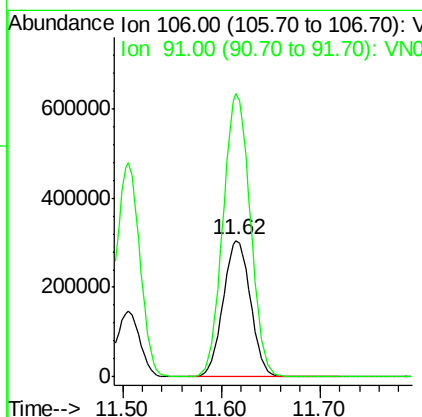
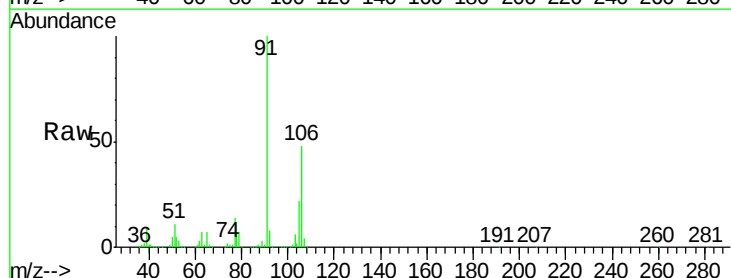
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

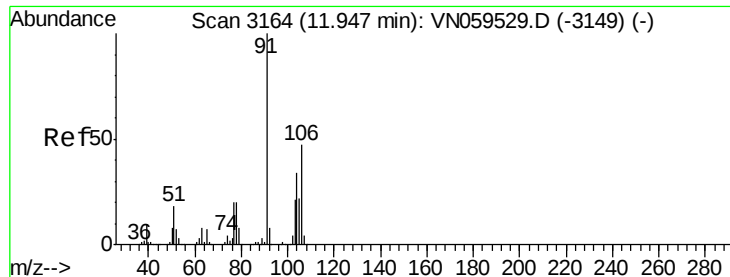
Tgt Ion: 91 Resp: 795853
Ion Ratio Lower Upper
91 100
106 30.5 24.5 36.7



#68
m/p-Xylenes
Concen: 109.401 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion: 106 Resp: 592434
Ion Ratio Lower Upper
106 100
91 207.0 162.9 244.3

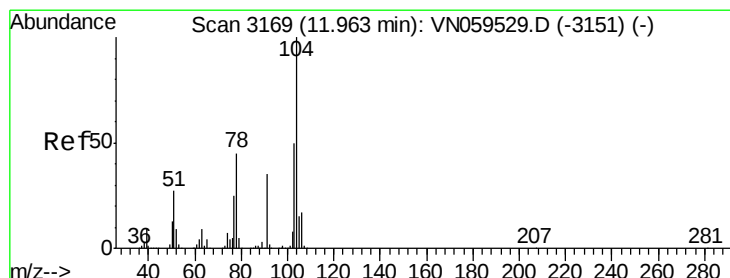
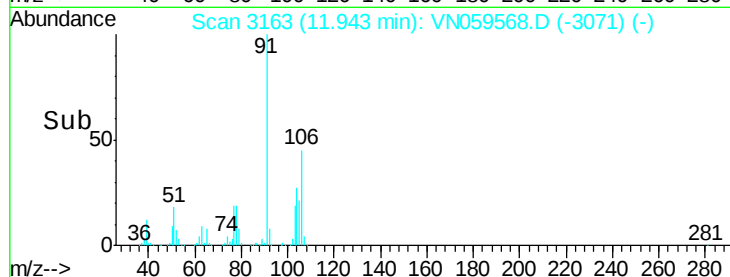
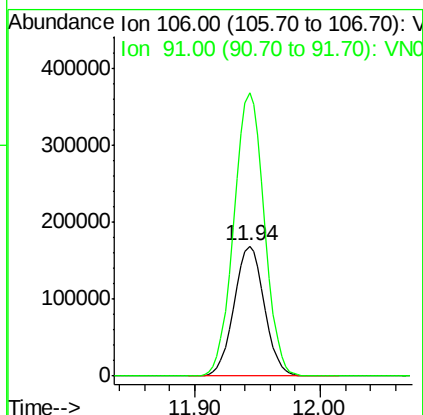
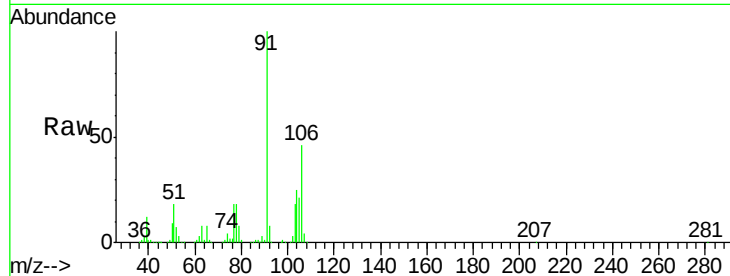




#69
o-Xylene
Concen: 56.263 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

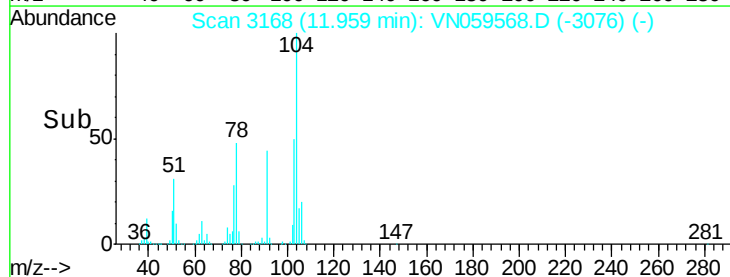
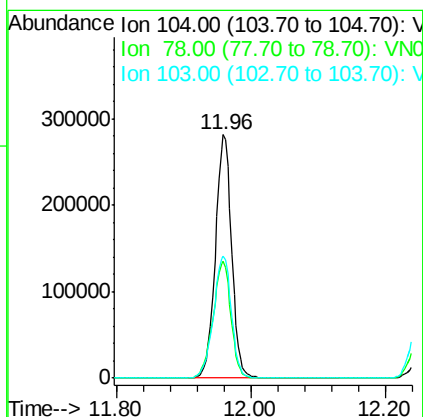
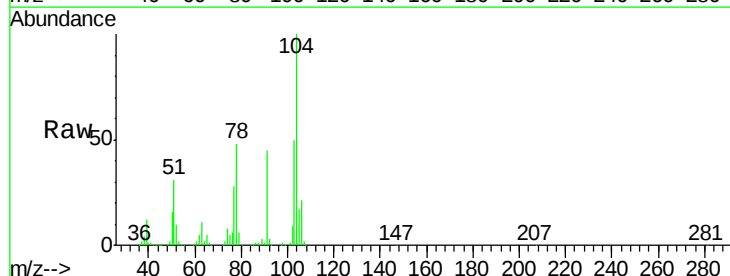
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

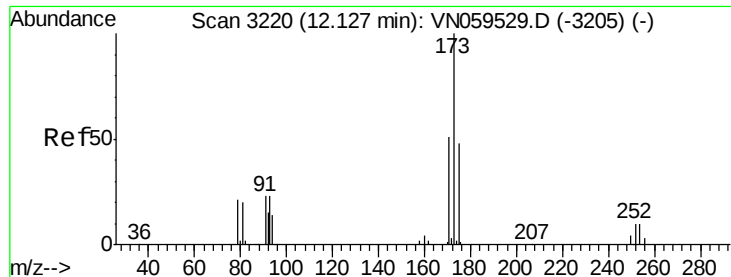
Tgt Ion:106 Resp: 283583
Ion Ratio Lower Upper
106 100
91 219.6 106.7 319.9



#70
Styrene
Concen: 56.975 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion:104 Resp: 475760
Ion Ratio Lower Upper
104 100
78 52.6 40.6 60.8
103 55.1 43.9 65.9





#71

Bromoform

Concen: 55.860 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

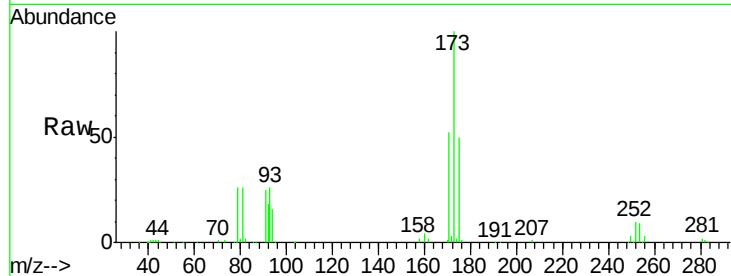
Tgt Ion:173 Resp: 131504

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.4

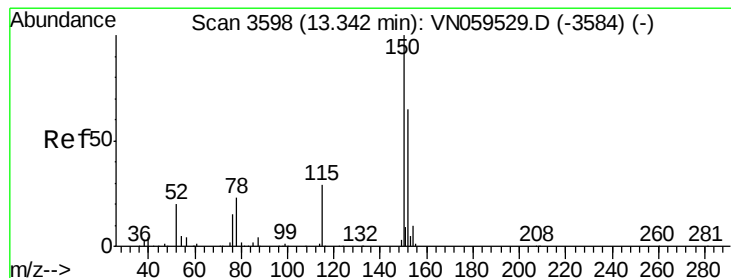
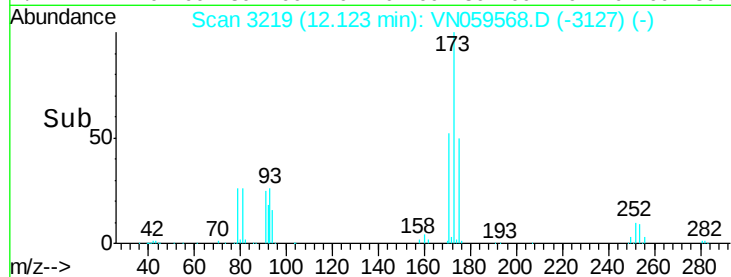
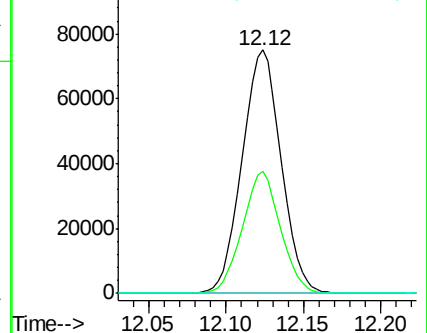
254 0.1 0.0 0.0#



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: VN059568.D

Acq: 12 Dec 2019 11:56

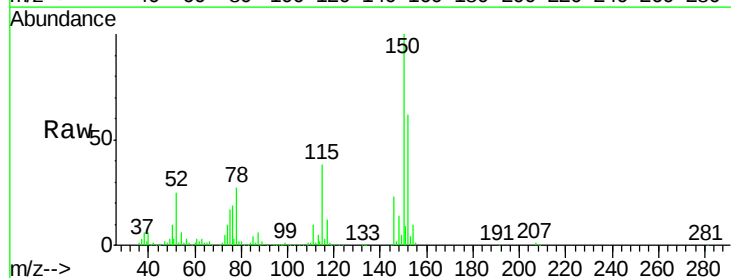
Tgt Ion:152 Resp: 188529

Ion Ratio Lower Upper

152 100

115 60.8 29.4 88.2

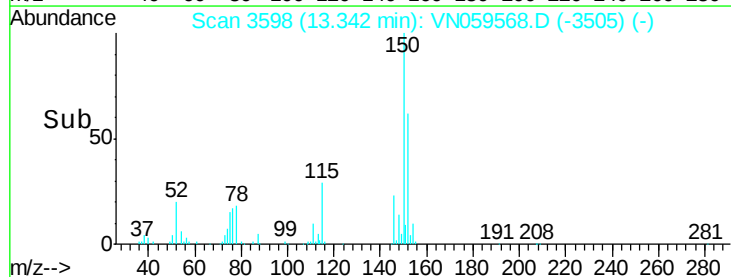
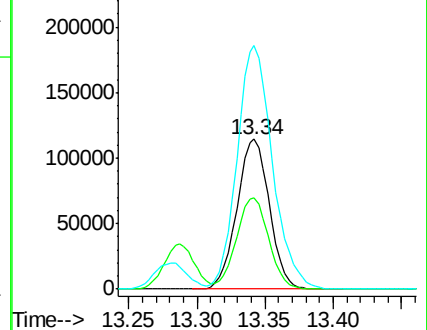
150 177.2 0.0 342.4

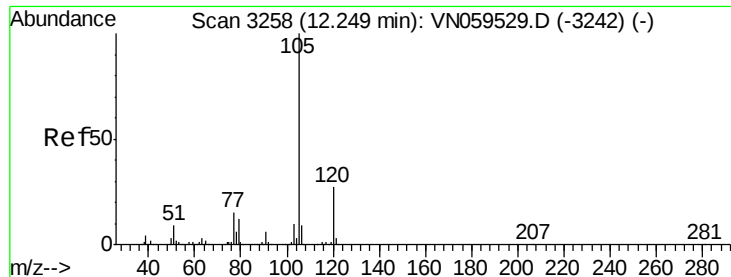


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.195 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

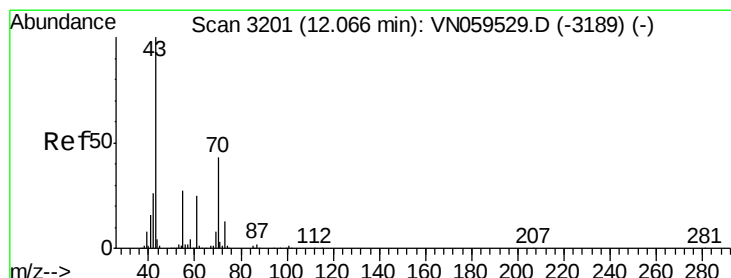
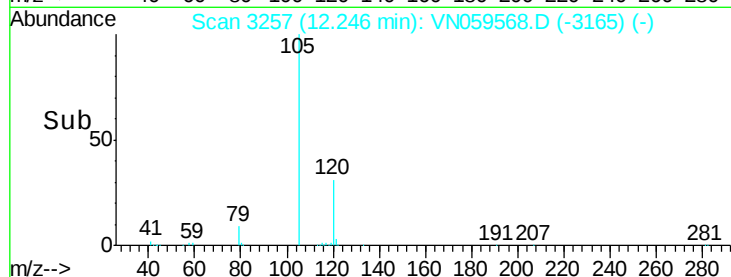
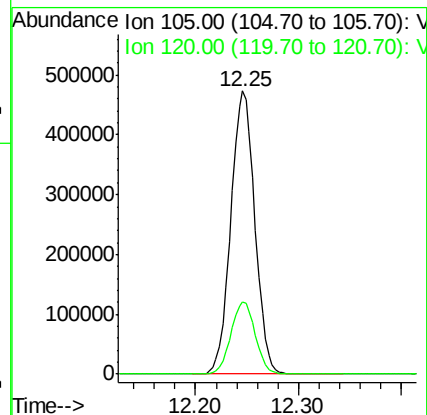
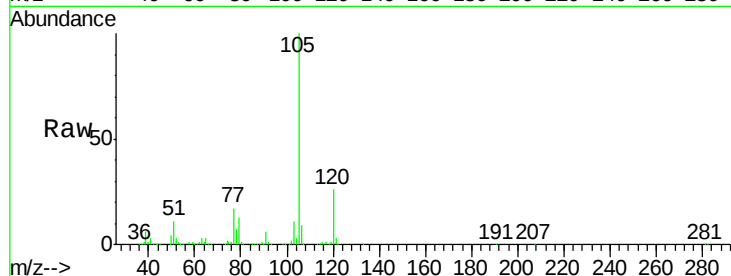
VSTDCCC050

Tgt Ion: 105 Resp: 766405

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.5



#74

N-ethyl acetate

Concen: 59.882 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Tgt Ion: 43 Resp: 368878

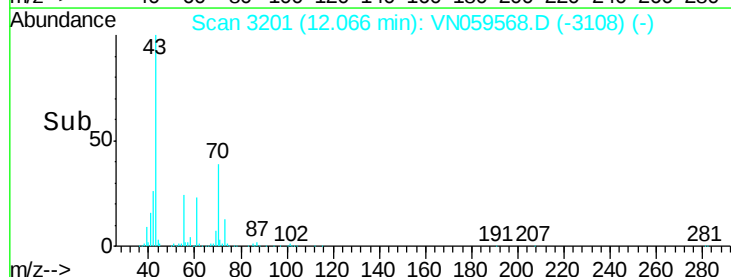
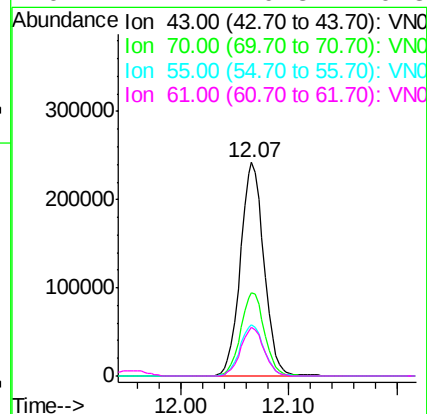
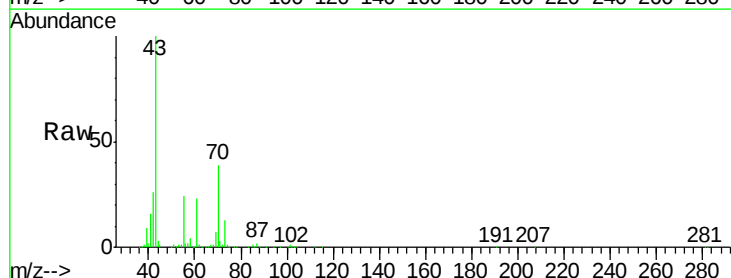
Ion Ratio Lower Upper

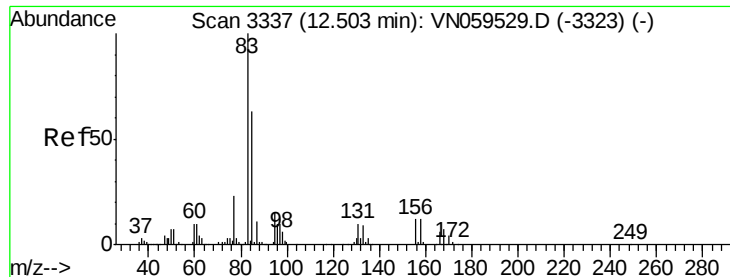
43 100

70 39.4 34.2 51.4

55 24.5 21.3 31.9

61 22.7 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.364 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

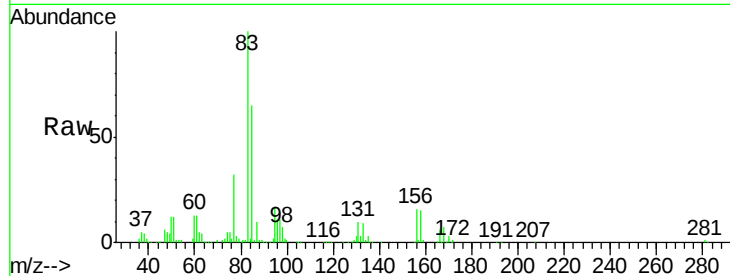
Tgt Ion: 83 Resp: 246132

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

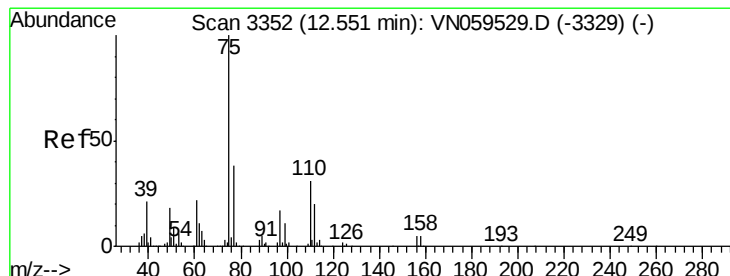
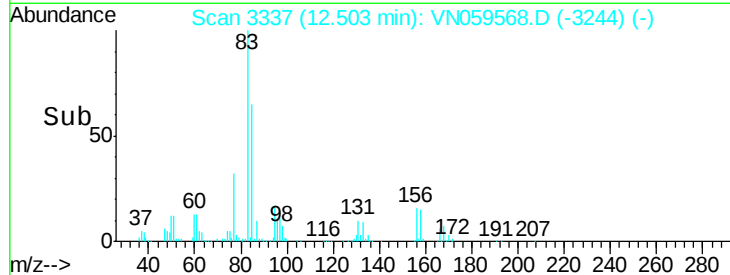
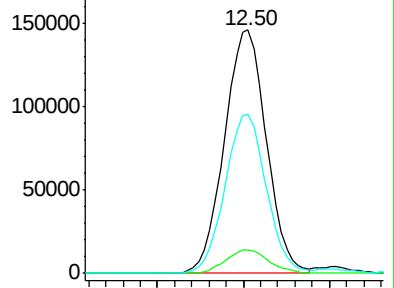
85 64.4 31.6 95.0



Abundance Ion 82.90 (82.60 to 83.60): VN059529.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN059529.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN059529.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 73.545 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059568.D

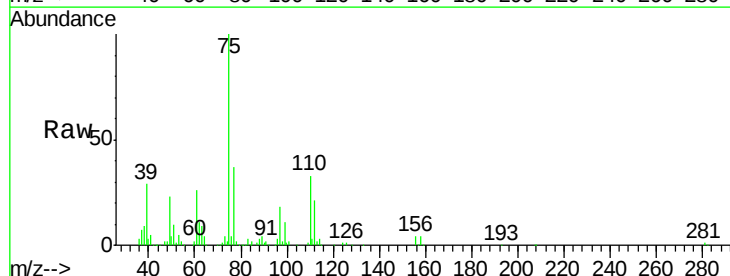
Acq: 12 Dec 2019 11:56

Tgt Ion: 75 Resp: 354572

Ion Ratio Lower Upper

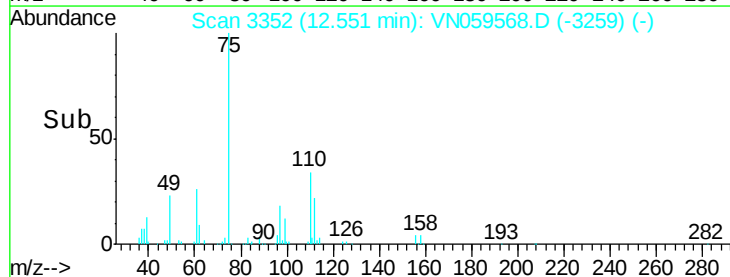
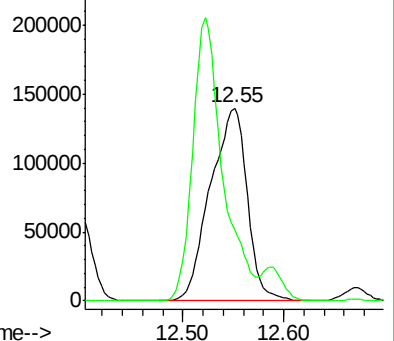
75 100

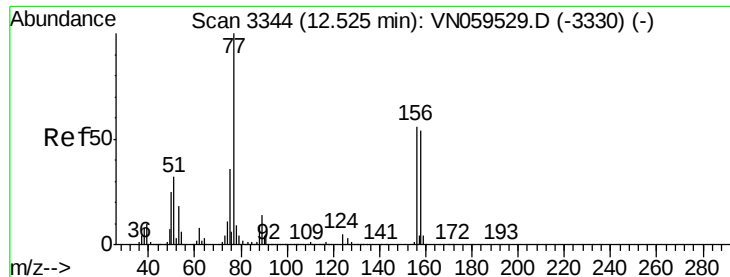
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059529.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN059529.D (-3329) (-)





#77

Bromobenzene

Concen: 51.857 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

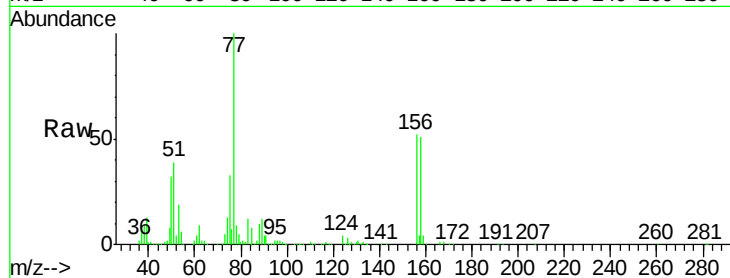
Tgt Ion:156 Resp: 182572

Ion Ratio Lower Upper

156 100

77 234.0 109.3 327.8

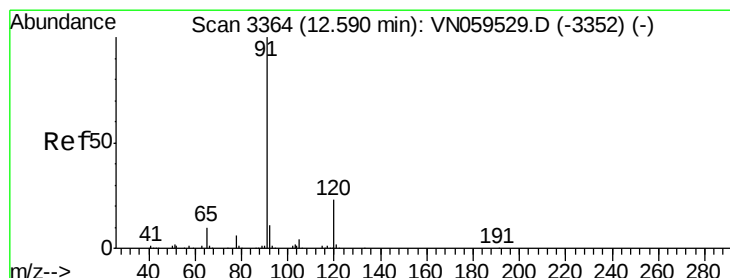
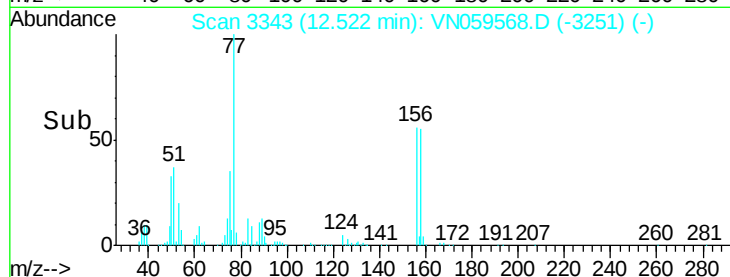
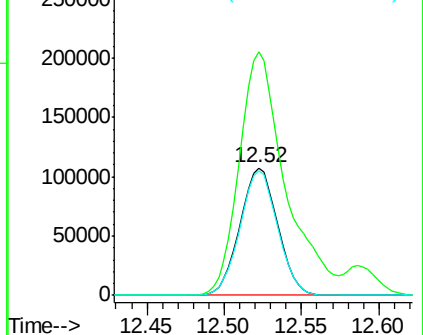
158 97.5 48.6 145.8



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: 53.115 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059568.D

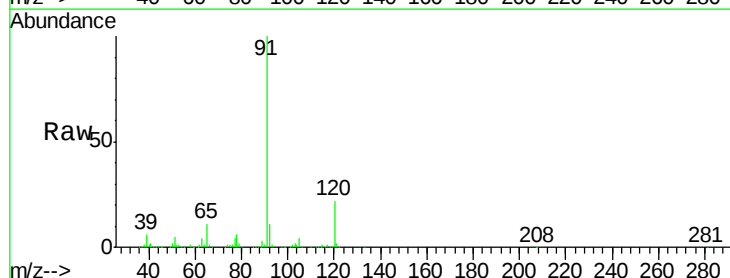
Acq: 12 Dec 2019 11:56

Tgt Ion: 91 Resp: 923016

Ion Ratio Lower Upper

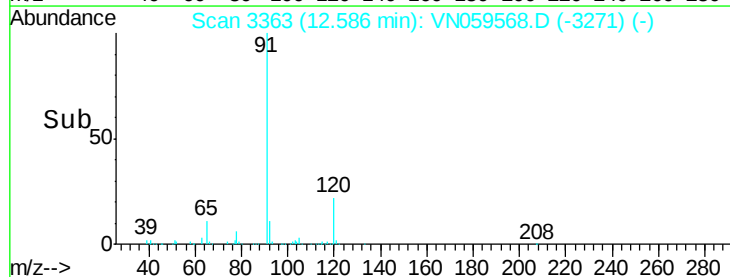
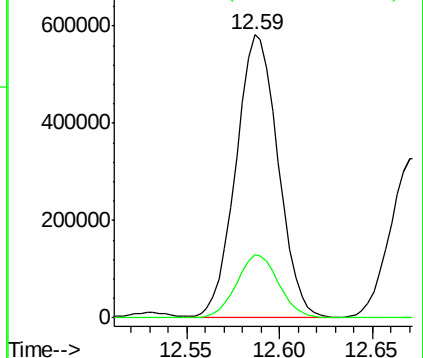
91 100

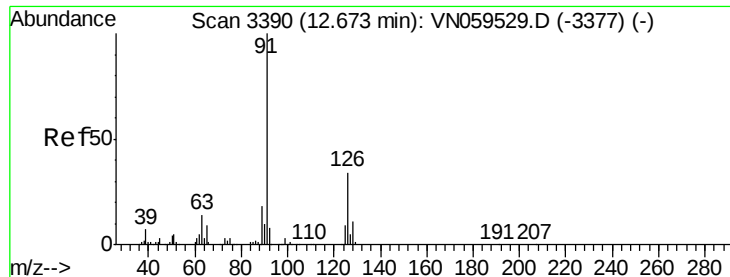
120 22.2 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.049 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

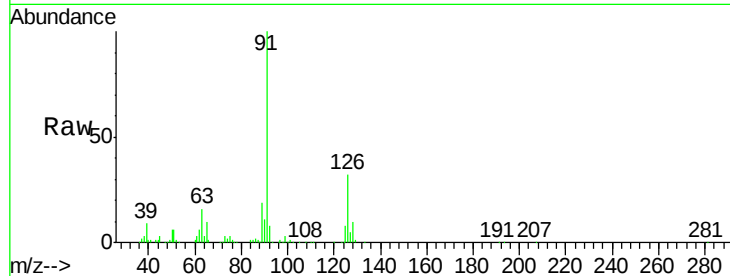
VSTDCCC050

Tgt Ion: 91 Resp: 539346

Ion Ratio Lower Upper

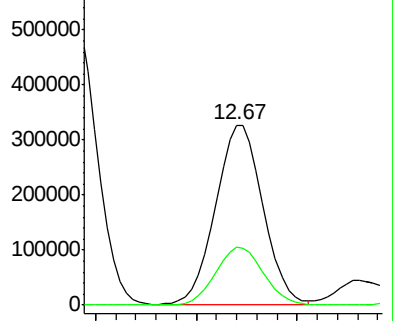
91 100

126 32.5 16.9 50.7

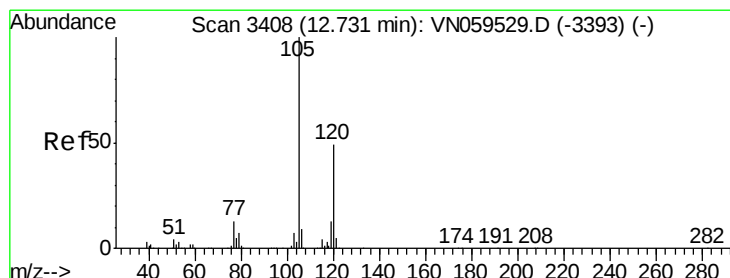
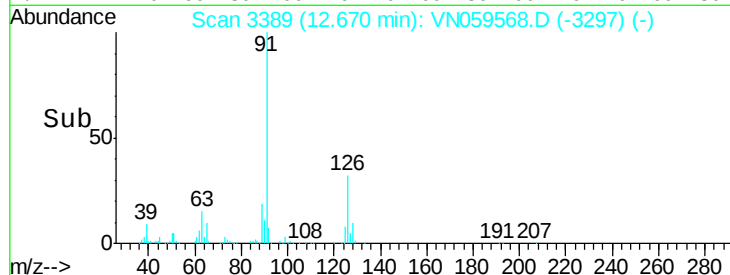


Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059529.D (-3377) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.688 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059568.D

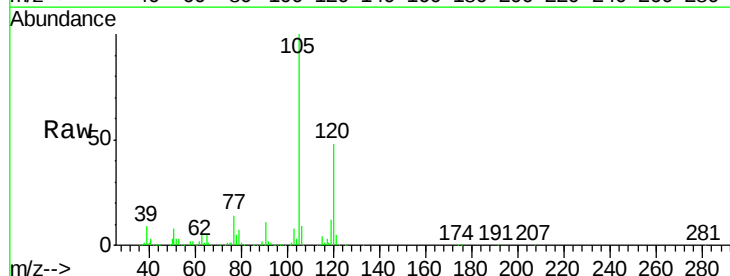
Acq: 12 Dec 2019 11:56

Tgt Ion: 105 Resp: 651074

Ion Ratio Lower Upper

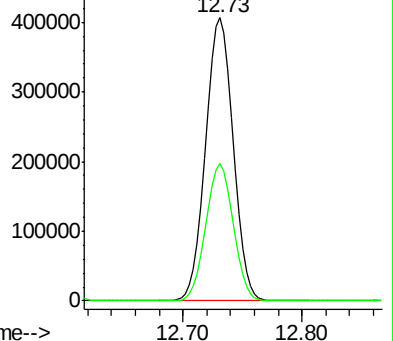
105 100

120 48.3 24.5 73.5

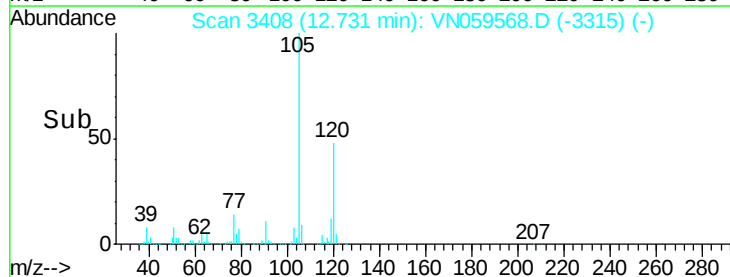


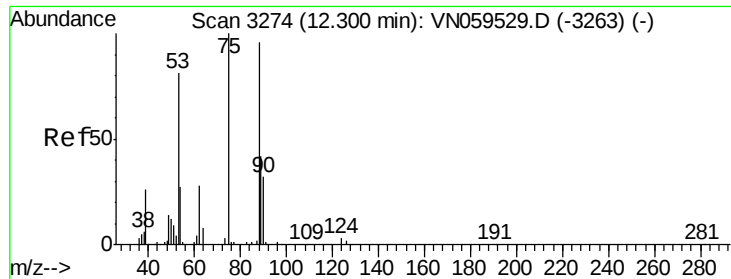
Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059529.D (-3393) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.616 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

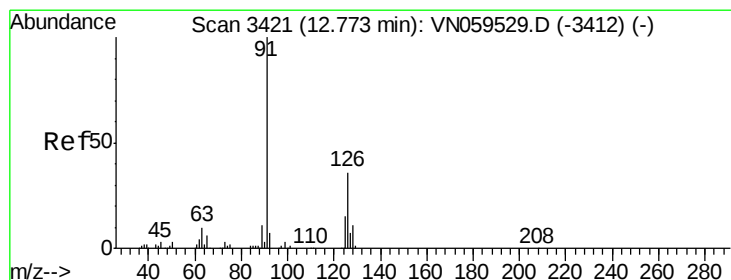
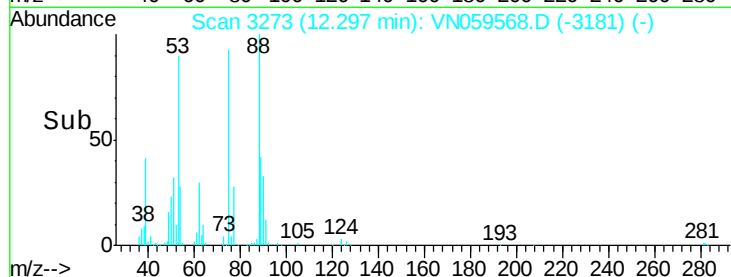
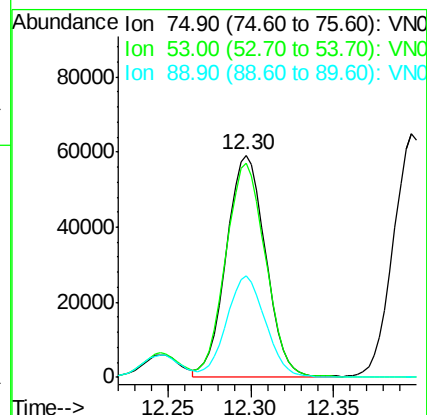
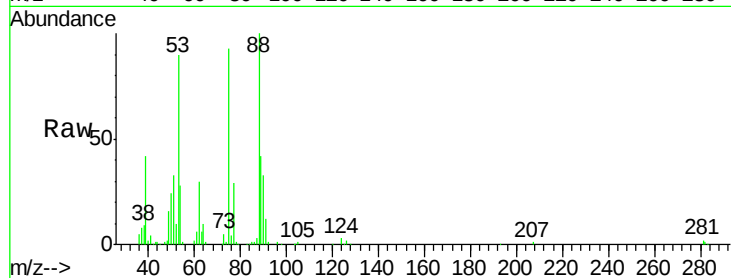
Tgt Ion: 75 Resp: 97868

Ion Ratio Lower Upper

75 100

53 97.8 67.0 100.6

89 45.2 35.5 53.3



#82

4-Chlorotoluene

Concen: 53.698 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059568.D

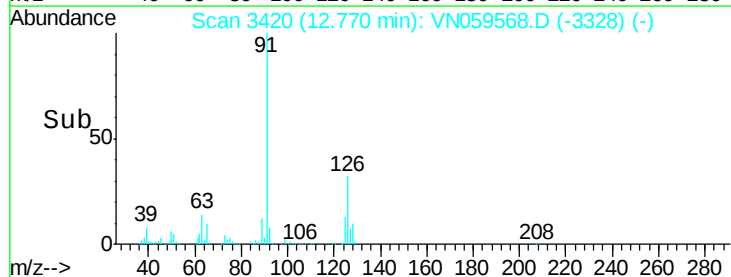
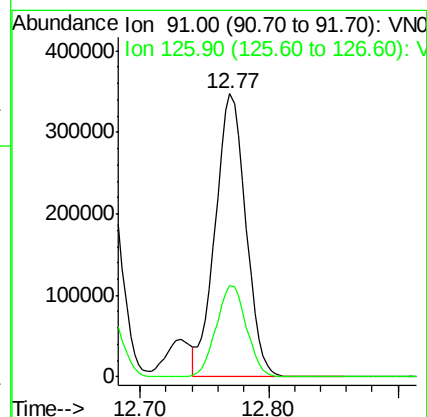
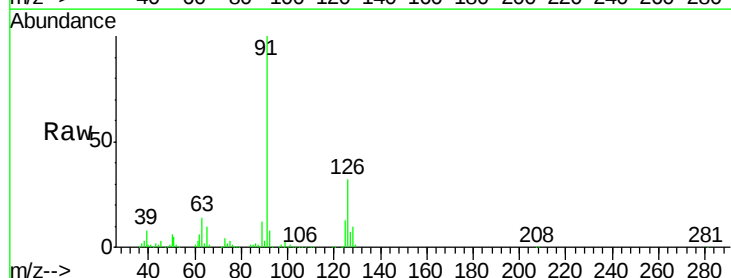
Acq: 12 Dec 2019 11:56

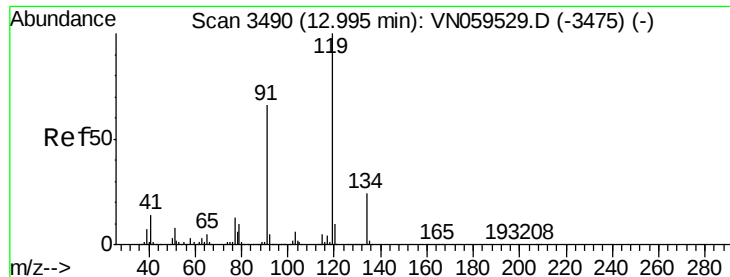
Tgt Ion: 91 Resp: 568964

Ion Ratio Lower Upper

91 100

126 32.2 16.4 49.4

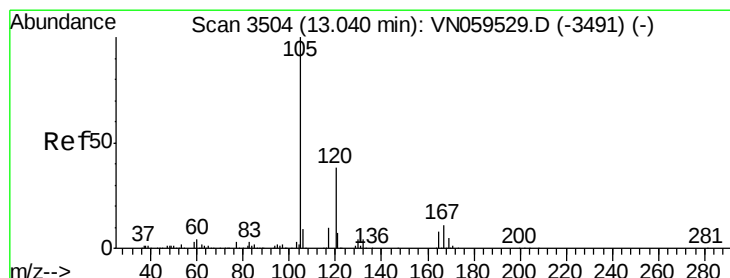
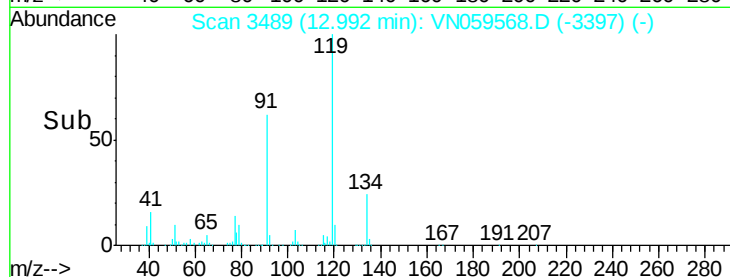
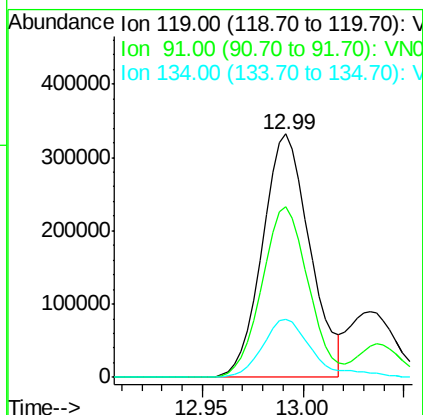
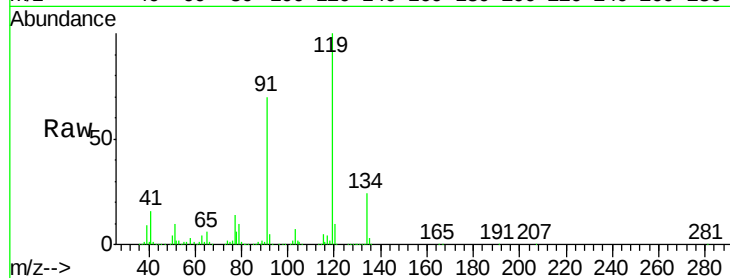




#83
 tert-Butylbenzene
 Concen: 53.712 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

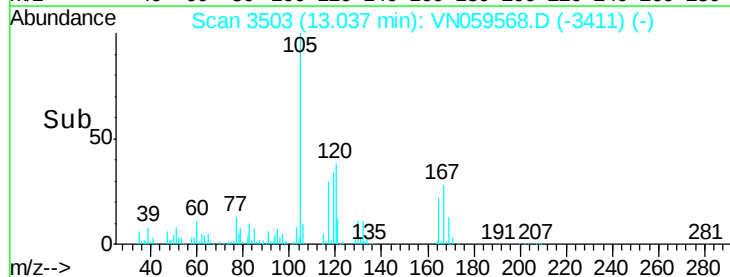
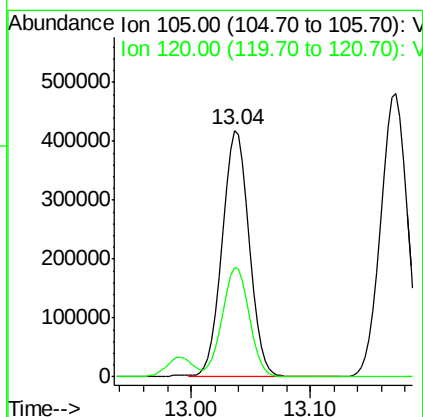
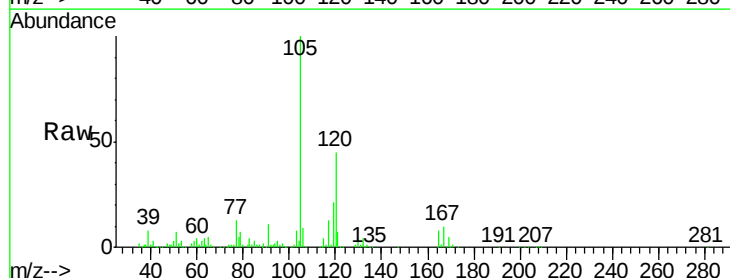
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

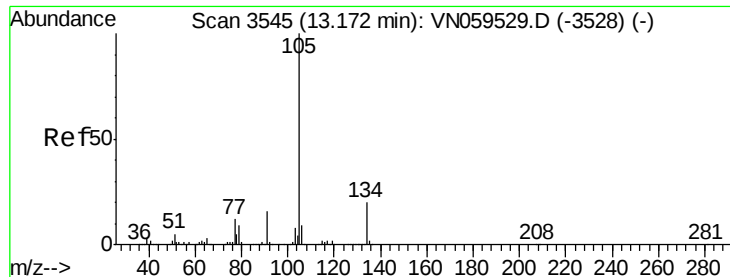
Tgt Ion:119 Resp: 543168
 Ion Ratio Lower Upper
 119 100
 91 68.7 32.8 98.4
 134 25.3 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 54.805 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion:105 Resp: 656249
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.3

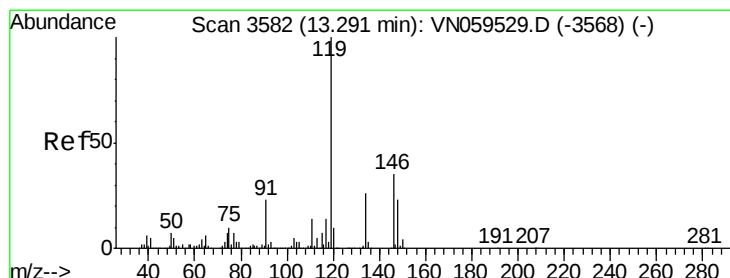
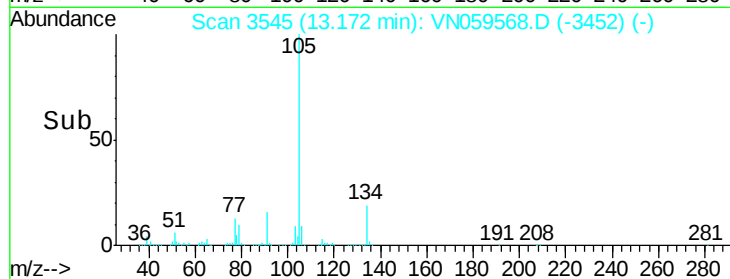
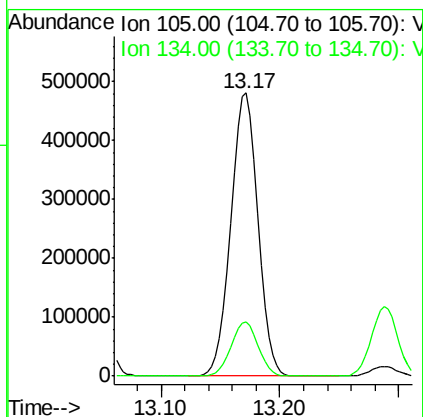
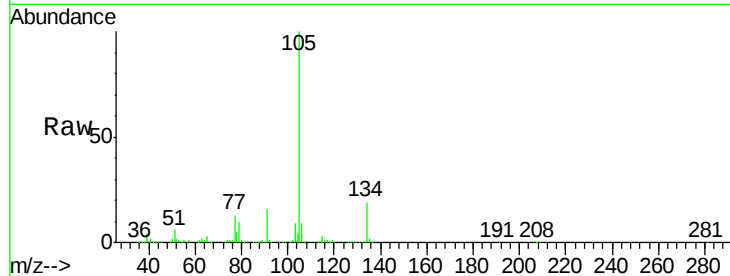




#85
 sec-Butylbenzene
 Concen: 54.449 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

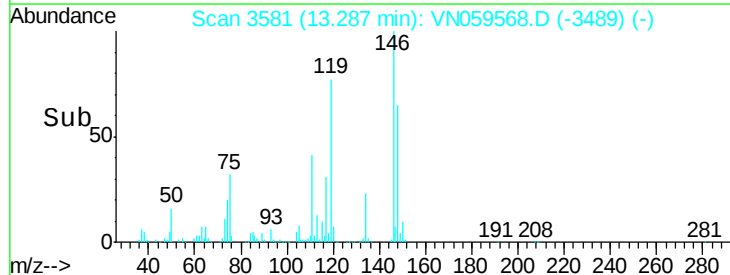
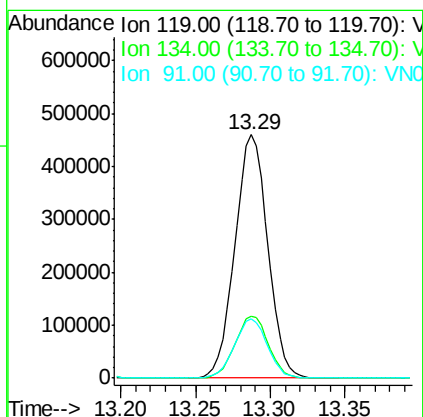
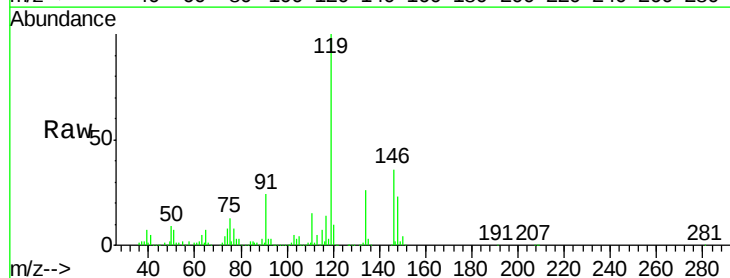
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion:105 Resp: 756301
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 56.342 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion:119 Resp: 699466
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 24.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 52.595 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

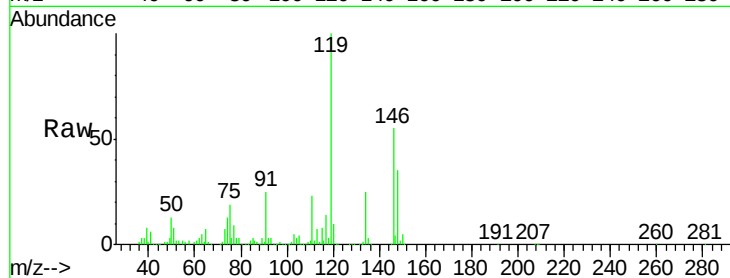
Tgt Ion:146 Resp: 341062

Ion Ratio Lower Upper

146 100

111 41.7 20.6 61.8

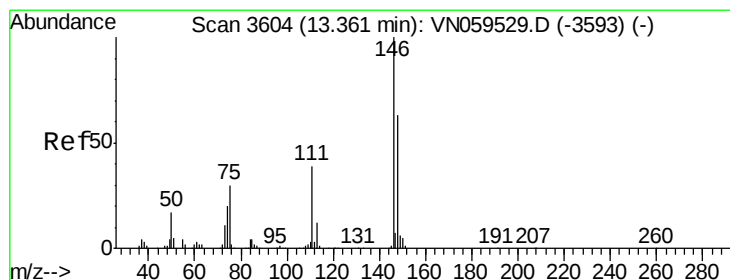
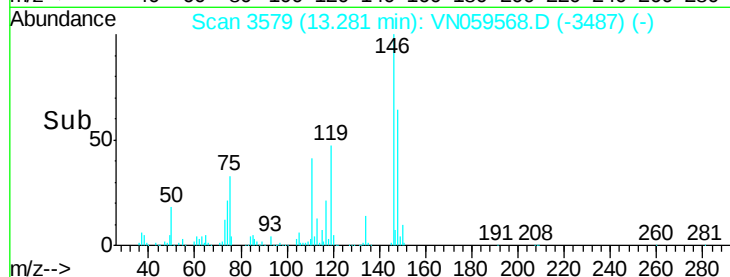
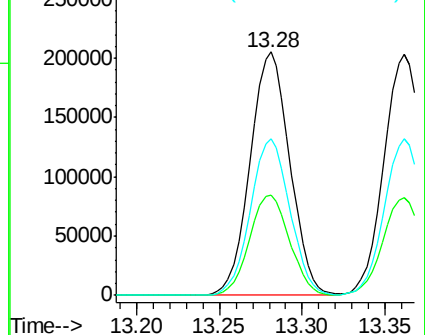
148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 53.068 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

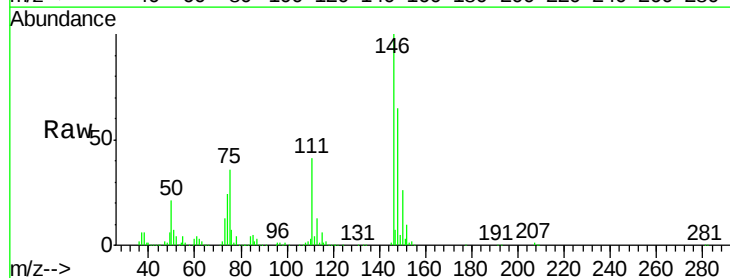
Tgt Ion:146 Resp: 336957

Ion Ratio Lower Upper

146 100

111 40.6 20.0 59.9

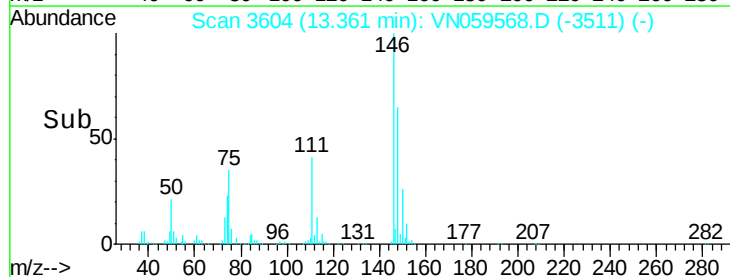
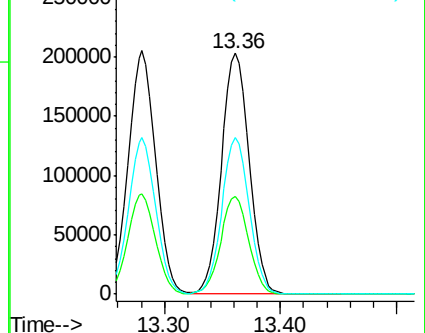
148 64.2 31.9 95.7

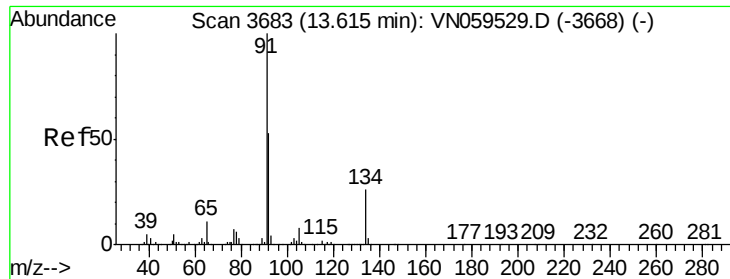


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 55.769 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059568.D

Acq: 12 Dec 2019 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

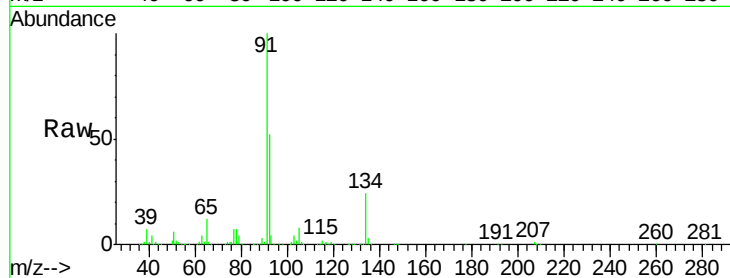
Tgt Ion: 91 Resp: 650093

Ion Ratio Lower Upper

91 100

92 51.7 26.3 78.9

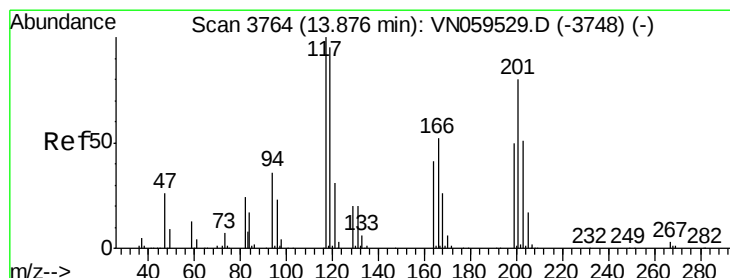
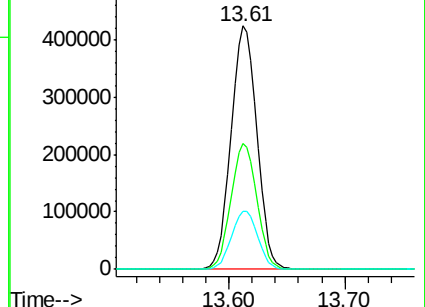
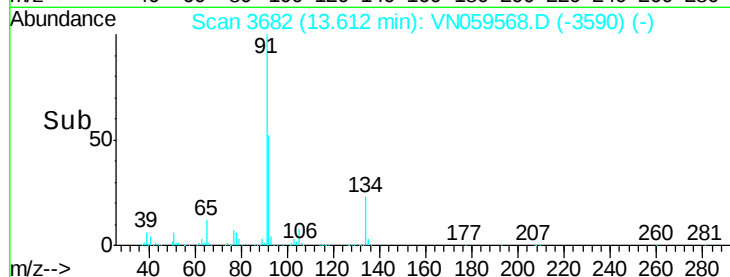
134 24.4 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN059568.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN059568.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN059568.D (-3590) (-)



#90

Hexachloroethane

Concen: 56.200 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN059568.D

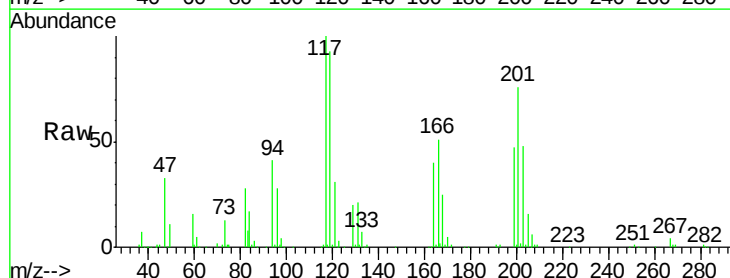
Acq: 12 Dec 2019 11:56

Tgt Ion: 117 Resp: 128133

Ion Ratio Lower Upper

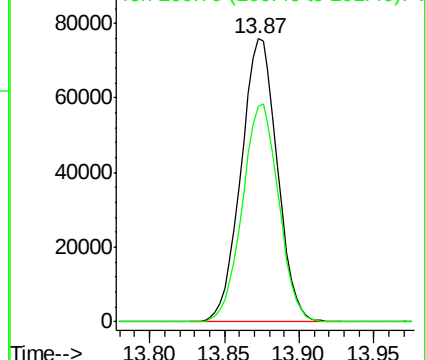
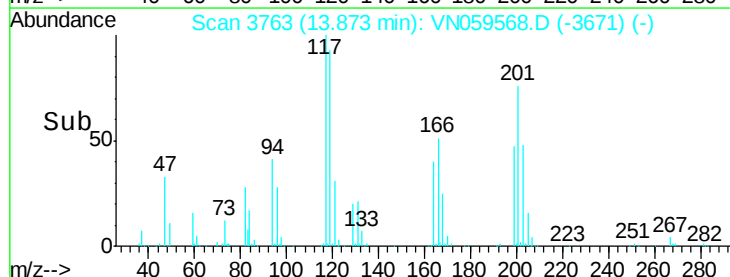
117 100

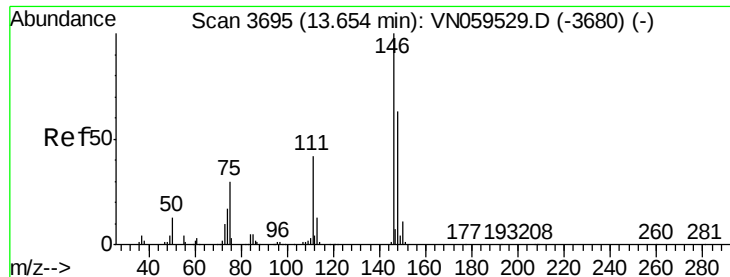
201 76.9 40.5 121.5



Abundance Ion 116.80 (116.50 to 117.50): VN059568.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN059568.D (-3671) (-)

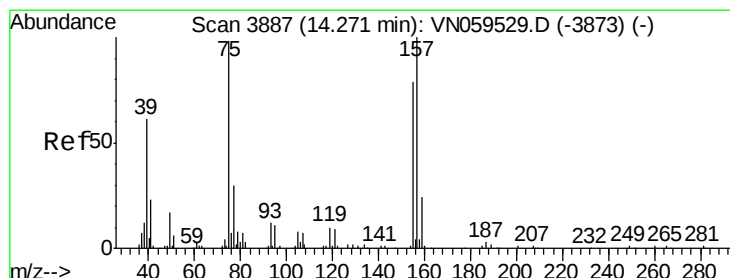
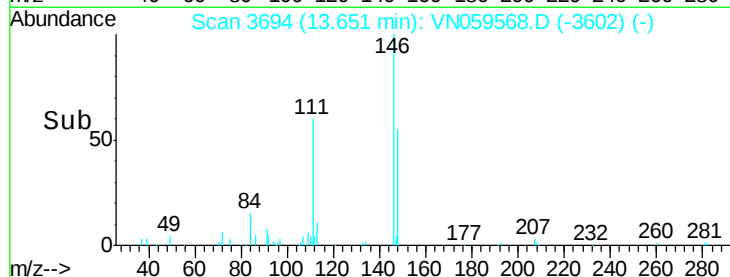
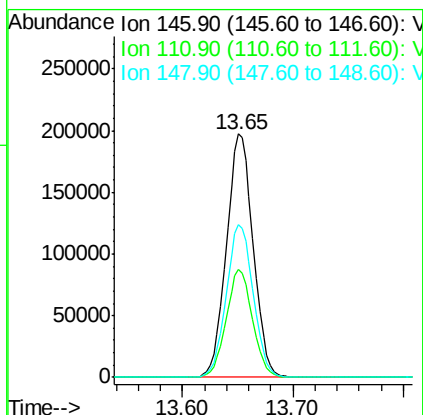
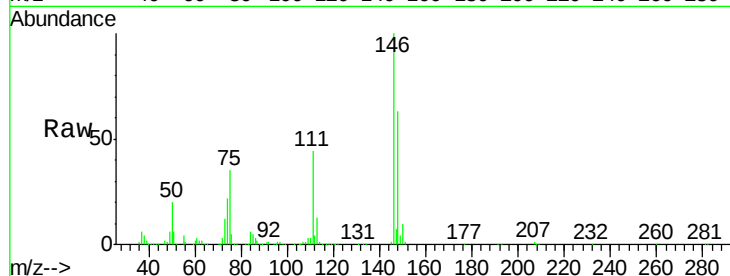




#91
 1,2-Dichlorobenzene
 Concen: 54.258 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

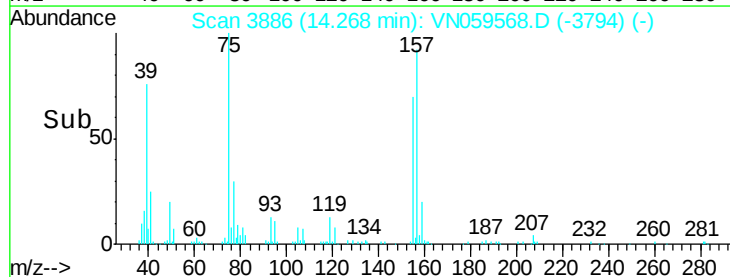
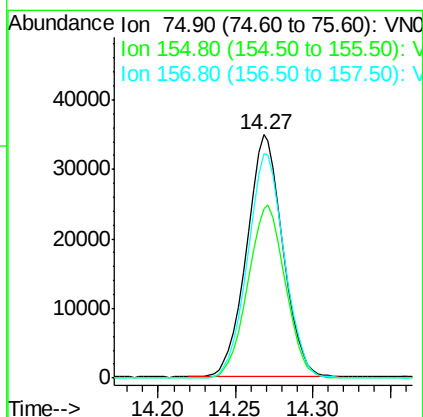
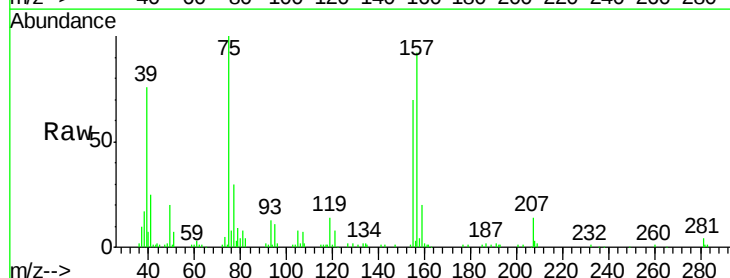
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

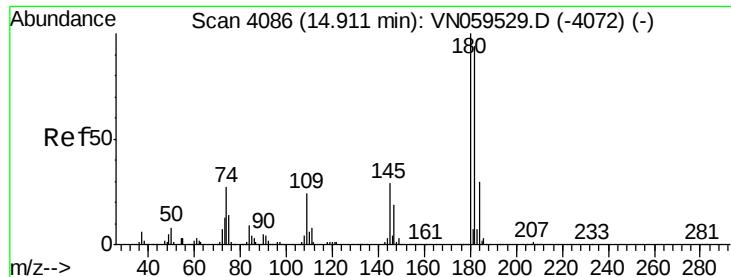
Tgt Ion:146 Resp: 330183
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.9 62.7
 148 63.3 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.643 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion: 75 Resp: 56825
 Ion Ratio Lower Upper
 75 100
 155 73.4 40.4 121.1
 157 94.0 51.1 153.3

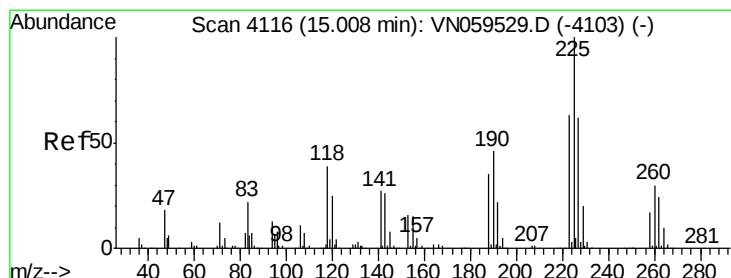
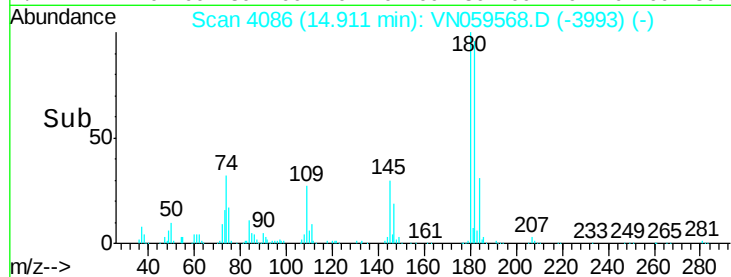
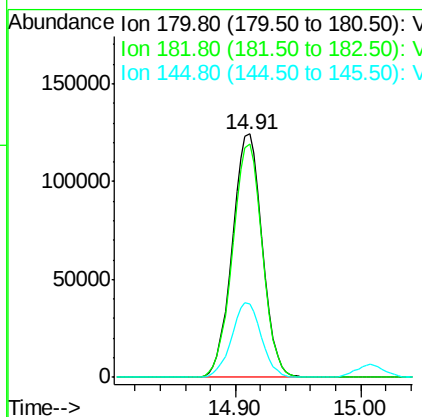
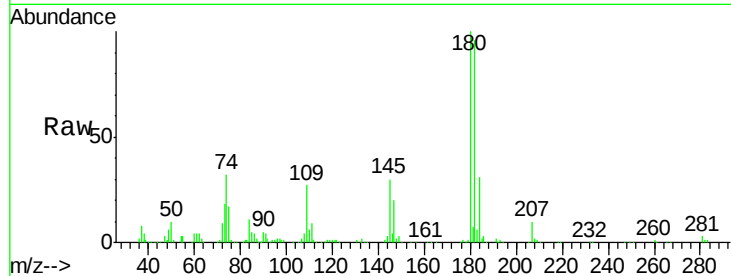




#93
 1,2,4-Trichlorobenzene
 Concen: 48.864 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

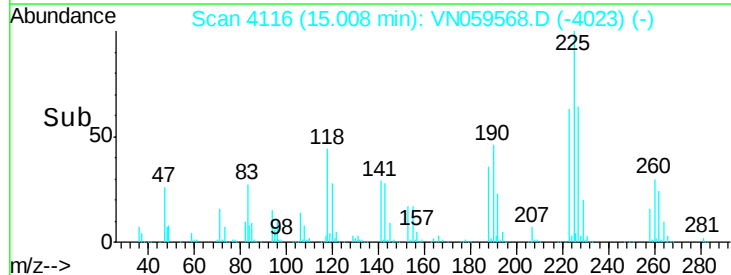
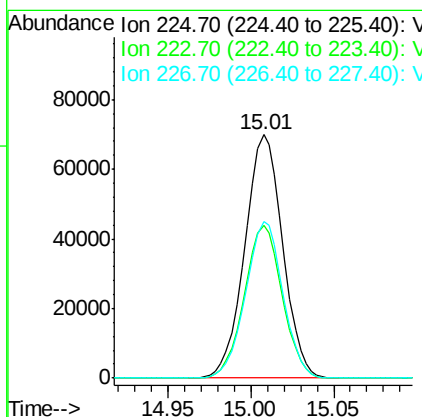
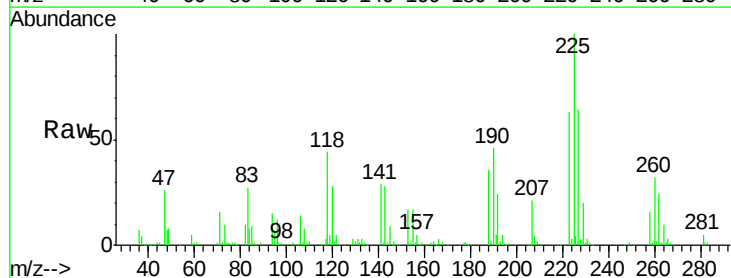
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

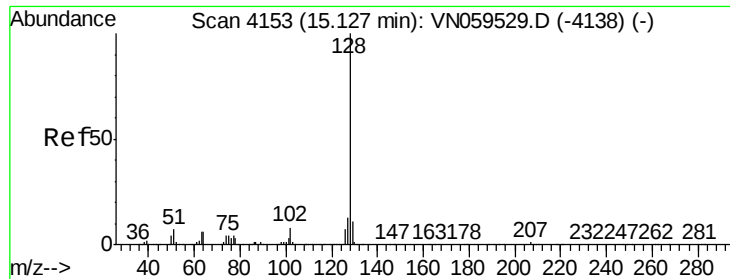
Tgt Ion:180 Resp: 205668
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.3 142.0
 145 30.5 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 51.530 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059568.D
 Acq: 12 Dec 2019 11:56

Tgt Ion:225 Resp: 110805
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.3 93.9
 227 63.4 31.6 95.0

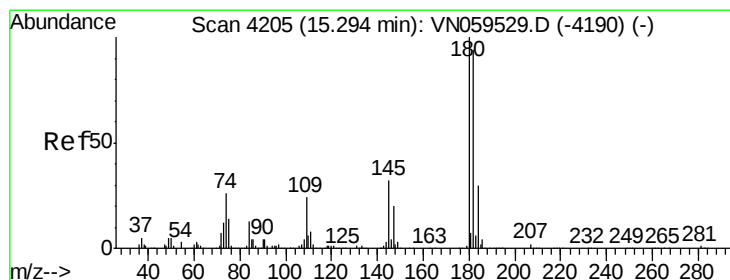
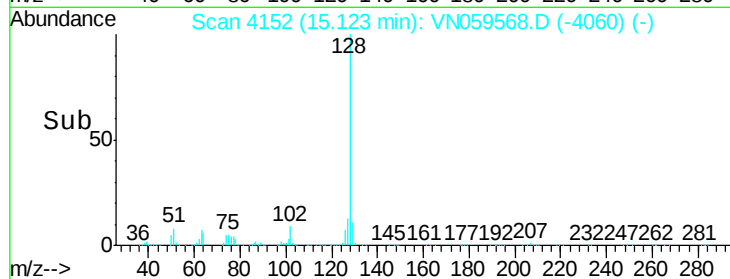
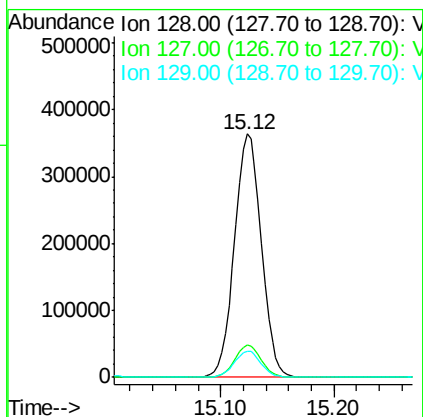
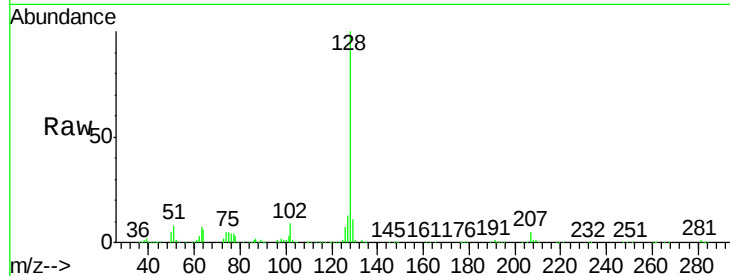




#95
Naphthalene
Concen: 48.881 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 601413
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.829 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059568.D
Acq: 12 Dec 2019 11:56

Tgt Ion:180 Resp: 195636
Ion Ratio Lower Upper
180 100
182 95.8 47.1 141.4
145 32.5 15.8 47.4

