

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060464.D
 Acq On : 12 Mar 2020 8:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 13 02:00:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	324061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127828	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.56	113	97637	64.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.82%	
50) Toluene-d8	10.08	98	383815	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.39	95	148594	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79020	43.03	ug/l	99
3) Chloromethane	2.03	50	140822	44.05	ug/l	100
4) Vinyl Chloride	2.16	62	115364	42.07	ug/l	100
5) Bromomethane	2.54	94	49034	44.15	ug/l	99
6) Chloroethane	2.68	64	67127	45.18	ug/l	97
7) Trichlorofluoromethane	3.00	101	159447	45.51	ug/l	100
8) Diethyl Ether	3.38	74	63008	47.64	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	95839	48.34	ug/l	99
10) Methyl Iodide	3.93	142	68460	37.83	ug/l	100
11) Tert butyl alcohol	4.72	59	88090	230.86	ug/l	100
12) 1,1-Dichloroethene	3.71	96	91284	47.44	ug/l	99
13) Acrolein	3.57	56	87585	246.04	ug/l	99
14) Allyl chloride	4.29	41	161710	45.58	ug/l	93
15) Acrylonitrile	4.94	53	264523	263.01	ug/l	99
16) Acetone	3.78	43	237176	285.80	ug/l	98
17) Carbon Disulfide	4.03	76	222010	43.38	ug/l	100
18) Methyl Acetate	4.28	43	138446	49.99	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	349438	50.02	ug/l	97
20) Methylene Chloride	4.52	84	108162	47.46	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	99125	47.93	ug/l	95
22) Diisopropyl ether	5.91	45	381936	53.15	ug/l	99
23) Vinyl Acetate	5.85	43	1505738	263.67	ug/l	99
24) 1,1-Dichloroethane	5.81	63	207304	50.96	ug/l	100
25) 2-Butanone	6.79	43	386468	288.32	ug/l	100
26) 2,2-Dichloropropane	6.79	77	186475	50.35	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	122118	46.21	ug/l	97
28) Bromochloromethane	7.17	49	86728	51.92	ug/l	95
29) Tetrahydrofuran	7.18	42	236710	253.95	ug/l	98
30) Chloroform	7.34	83	208818	51.56	ug/l	99
31) Cyclohexane	7.63	56	173899	50.10	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	177381	49.44	ug/l	100
36) 1,1-Dichloropropene	7.77	75	147667	47.81	ug/l	99
37) Ethyl Acetate	6.89	43	149950	51.28	ug/l	99
38) Carbon Tetrachloride	7.75	117	144934	48.20	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	170700	46.88	ug/l	98
40) Benzene	8.02	78	454687	50.58	ug/l	99
41) Methacrylonitrile	7.14	41	69874	51.75	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	164472	50.70	ug/l	100
43) Isopropyl Acetate	8.14	43	269747	52.69	ug/l	99
44) Trichloroethene	8.81	130	119424	47.70	ug/l	99
45) 1,2-Dichloropropane	9.10	63	126873	53.98	ug/l	97
46) Dibromomethane	9.19	93	77199	50.62	ug/l	99
47) Bromodichloromethane	9.38	83	166887	53.81	ug/l	100
48) Methyl methacrylate	9.18	41	119130	51.03	ug/l	99
49) 1,4-Dioxane	9.18	88	30761	936.95	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	781458	269.21	ug/l	100
52) Toluene	10.14	92	282482	50.03	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	192731	50.71	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	201644	51.20	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	114687	50.51	ug/l	98
56) Ethyl methacrylate	10.42	69	176543	54.12	ug/l	98
57) 1,3-Dichloropropane	10.70	76	197367	53.30	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	461965	270.76	ug/l	98
59) 2-Hexanone	10.74	43	605041	283.89	ug/l	100
60) Dibromochloromethane	10.89	129	125095	54.17	ug/l	98
61) 1,2-Dibromoethane	10.99	107	114362	51.66	ug/l	97
64) Tetrachloroethene	10.62	164	120381	50.58	ug/l	99
65) Chlorobenzene	11.42	112	300052	49.14	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	114566	50.75	ug/l	99
67) Ethyl Benzene	11.50	91	558033	50.19	ug/l	100
68) m/p-Xylenes	11.61	106	412031	98.22	ug/l	99
69) o-Xylene	11.94	106	198339	49.58	ug/l	98
70) Styrene	11.96	104	337113	51.26	ug/l	100
71) Bromoform	12.12	173	87885	54.02	ug/l #	98
73) Isopropylbenzene	12.24	105	543392	49.48	ug/l	99
74) N-amyl acetate	12.06	43	243645	50.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	159110	53.29	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	221281	68.06	ug/l #	100
77) Bromobenzene	12.52	156	130751	48.57	ug/l	96
78) n-propylbenzene	12.58	91	643415	49.98	ug/l	100
79) 2-Chlorotoluene	12.67	91	373130	49.31	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	461435	49.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62458	53.03	ug/l #	84
82) 4-Chlorotoluene	12.77	91	397612	49.87	ug/l	98
83) tert-Butylbenzene	12.99	119	392580	49.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	464537	49.77	ug/l	99
85) sec-Butylbenzene	13.17	105	532607	49.68	ug/l	99
86) p-Isopropyltoluene	13.28	119	482559	48.63	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	239798	51.84	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	238045	51.76	ug/l	99
89) n-Butylbenzene	13.61	91	447196	49.09	ug/l	99
90) Hexachloroethane	13.87	117	70324	48.96	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	228208	48.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32095	47.47	ug/l	98

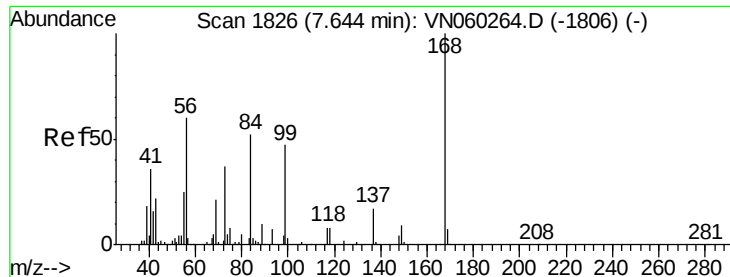
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	145230	48.45	ug/l	100
94) Hexachlorobutadiene	15.01	225	72113	52.36	ug/l	99
95) Naphthalene	15.13	128	408628	46.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	135844	48.11	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

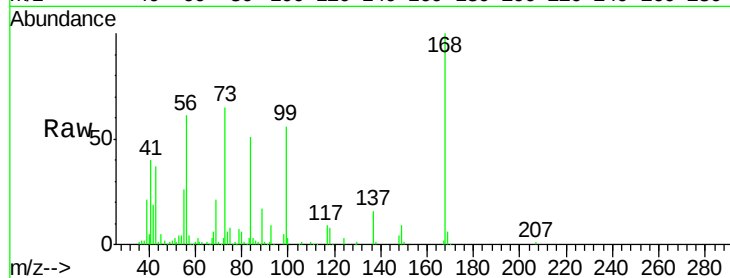
VSTDCCC050

Tgt Ion:168 Resp: 200292

Ion Ratio Lower Upper

168 100

99 56.4 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

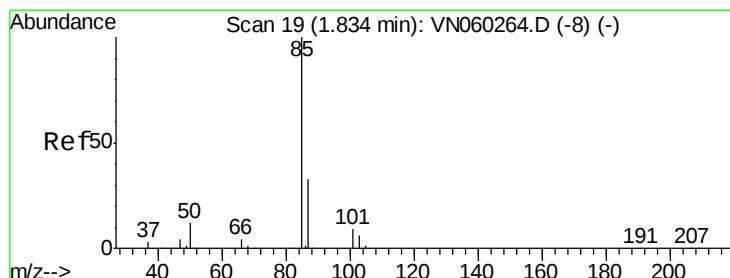
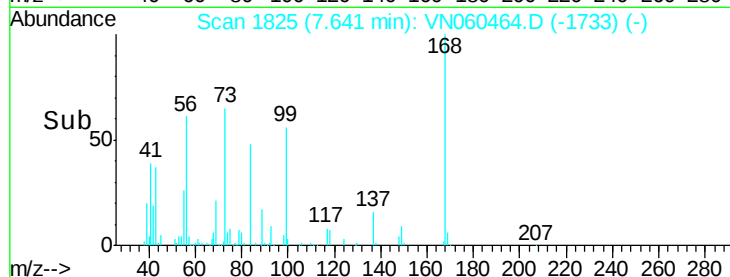
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.03 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060464.D

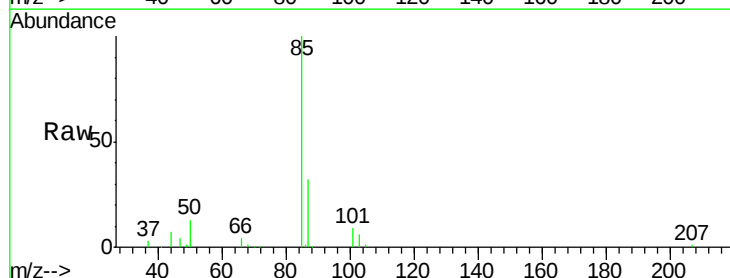
Acq: 12 Mar 2020 8:56

Tgt Ion: 85 Resp: 79020

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

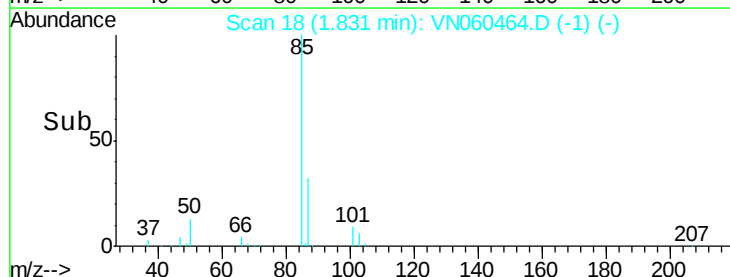
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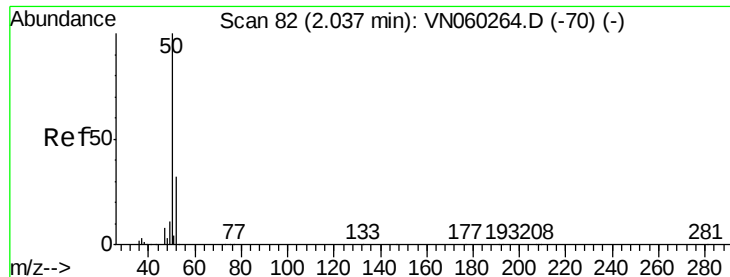
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20000

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Time-->





#3

Chloromethane

Concen: 44.05 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

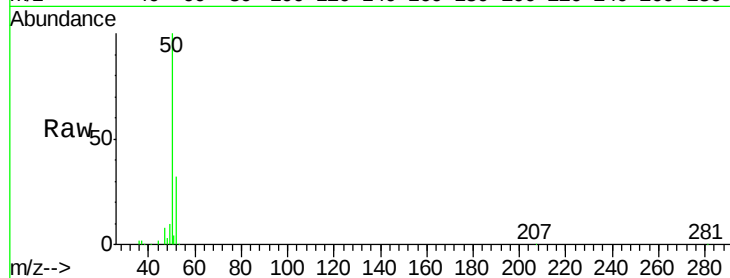
VSTDCCC050

Tgt Ion: 50 Resp: 140822

Ion Ratio Lower Upper

50 100

52 31.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

120000

100000

80000

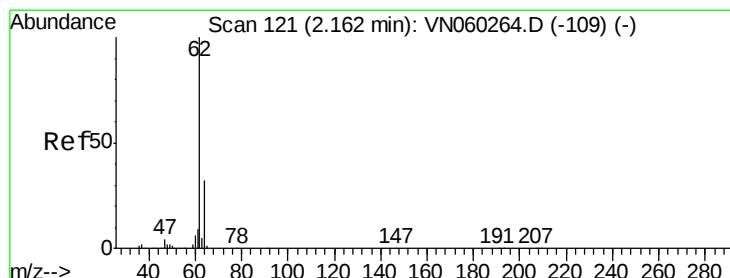
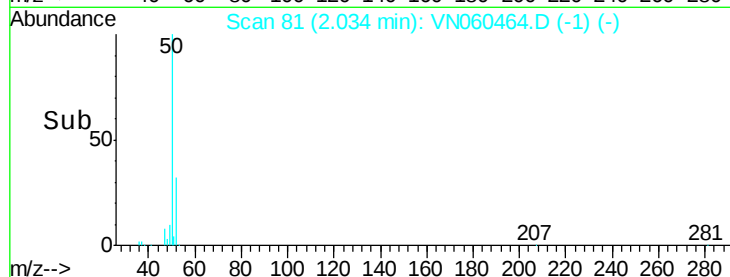
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 42.07 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060464.D

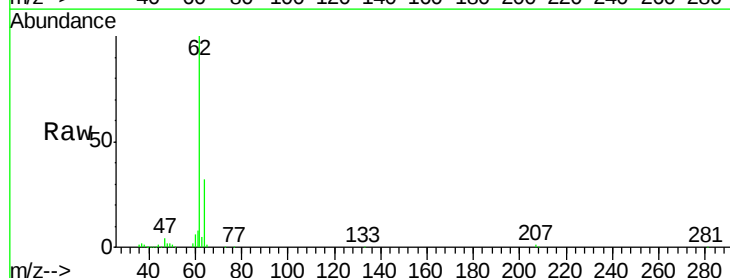
Acq: 12 Mar 2020 8:56

Tgt Ion: 62 Resp: 115364

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

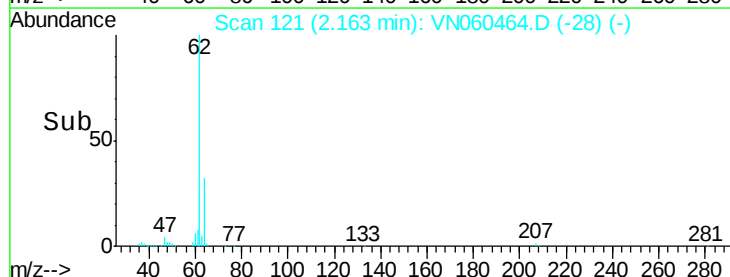
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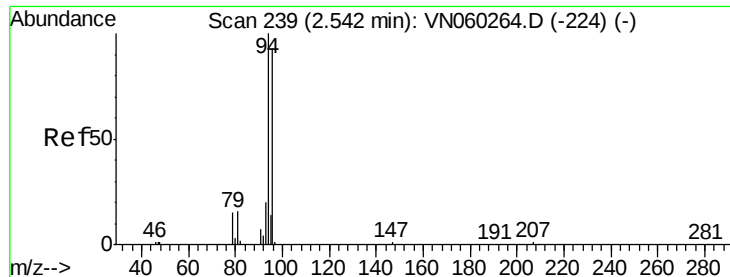
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Time-->

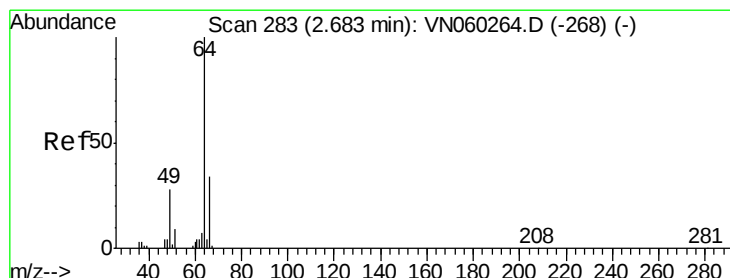
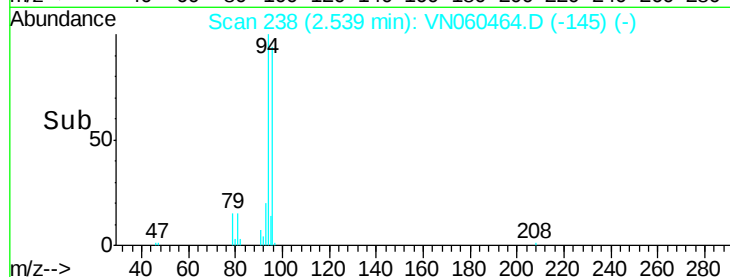
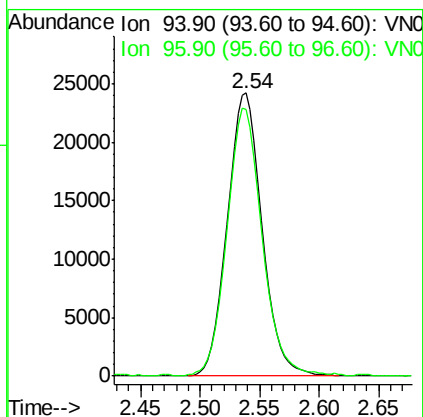
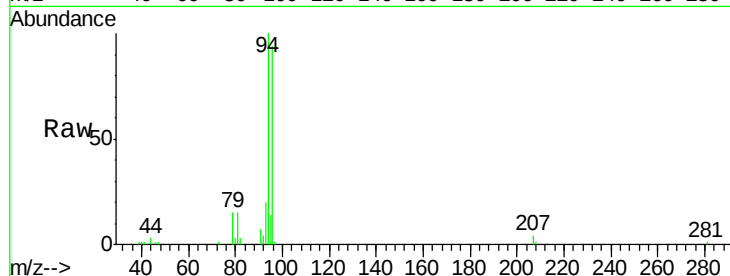




#5
Bromomethane
Concen: 44.15 ug/l
RT: 2.54 min Scan# 238
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

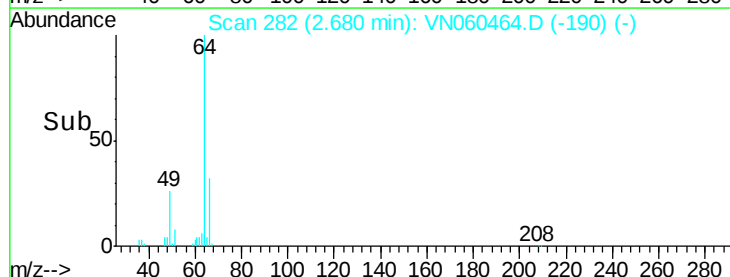
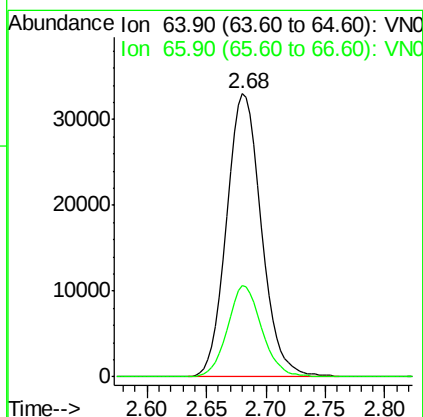
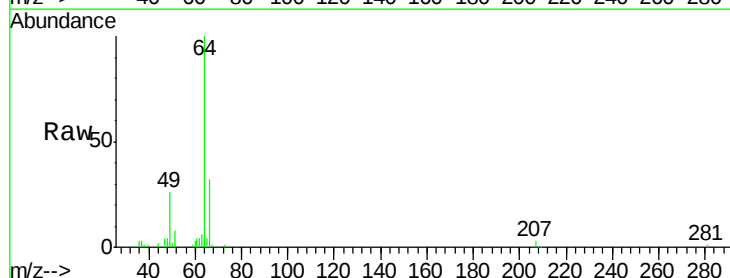
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

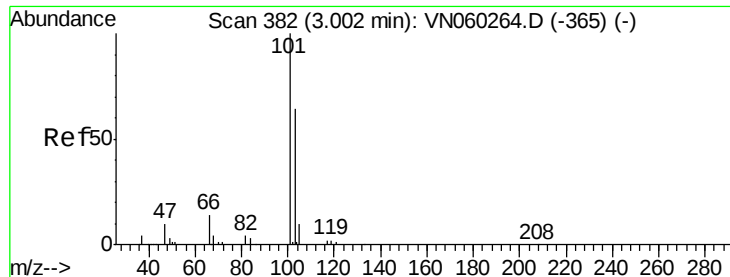
Tgt Ion: 94 Resp: 49034
Ion Ratio Lower Upper
94 100
96 93.7 74.3 111.5



#6
Chloroethane
Concen: 45.18 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 64 Resp: 67127
Ion Ratio Lower Upper
64 100
66 32.3 27.4 41.2



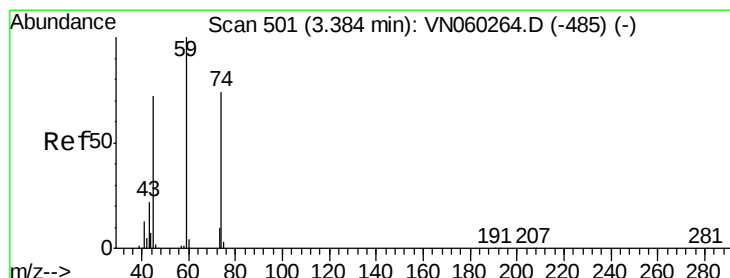
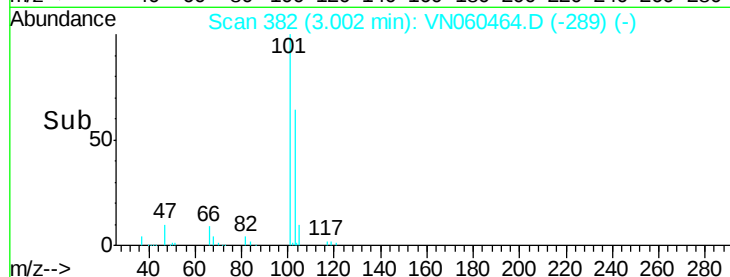
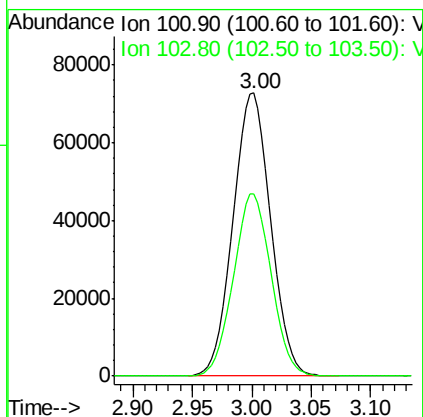
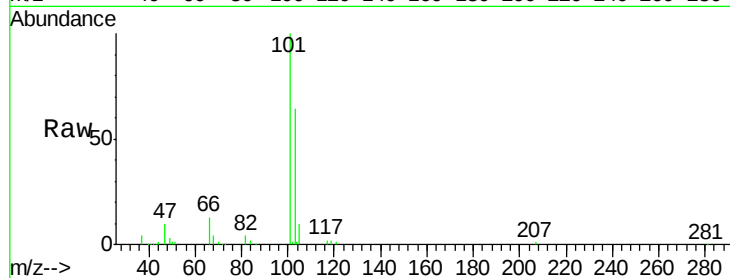


#7

Trichlorofluoromethane
 Concen: 45.51 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

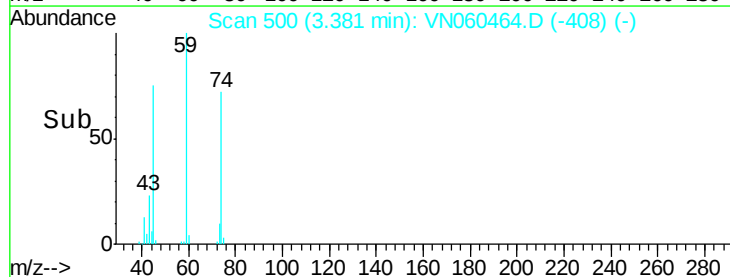
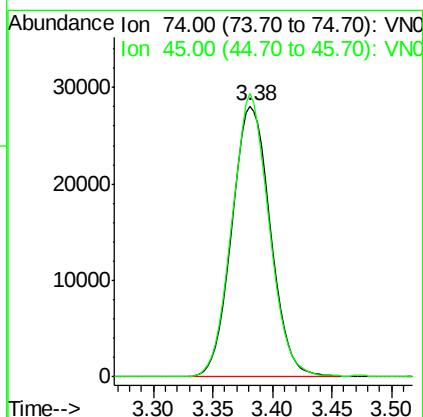
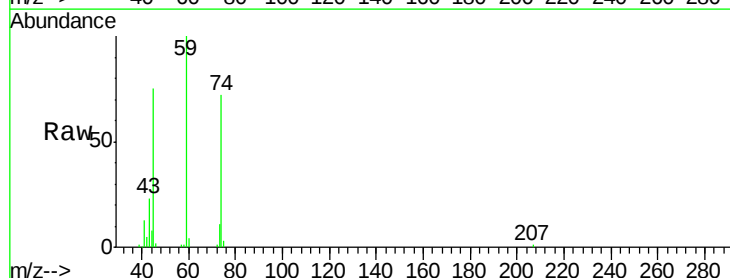
Tgt Ion: 101 Resp: 159447
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.3 76.9

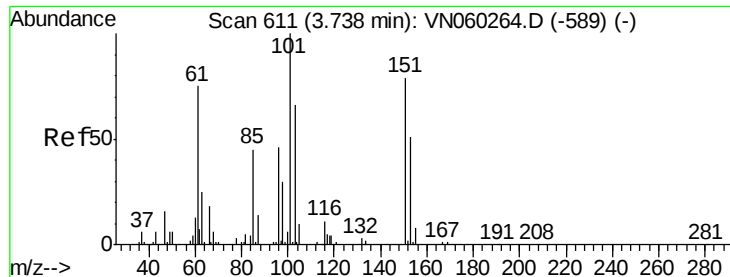


#8

Diethyl Ether
 Concen: 47.64 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion: 74 Resp: 63008
 Ion Ratio Lower Upper
 74 100
 45 100.8 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.34 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

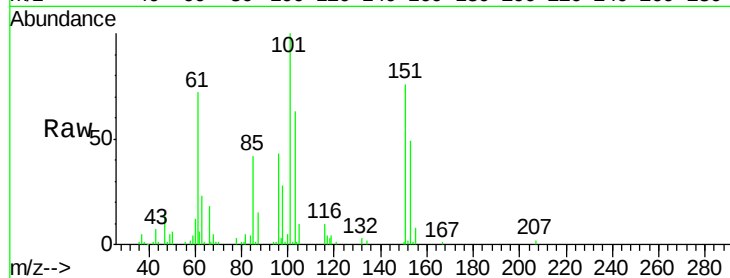
Tgt Ion:101 Resp: 95839

Ion Ratio Lower Upper

101 100

85 44.2 35.4 53.2

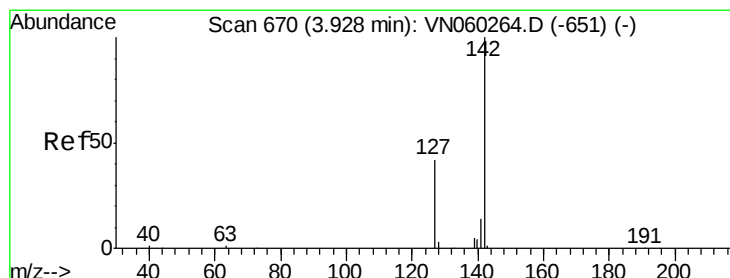
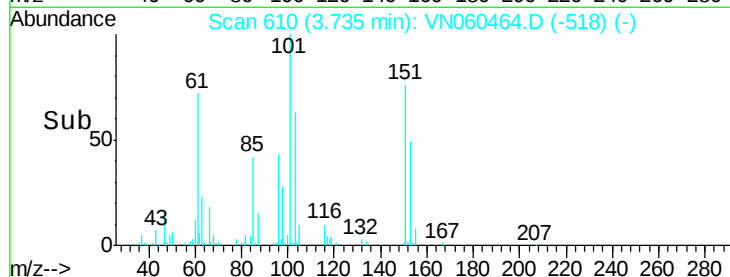
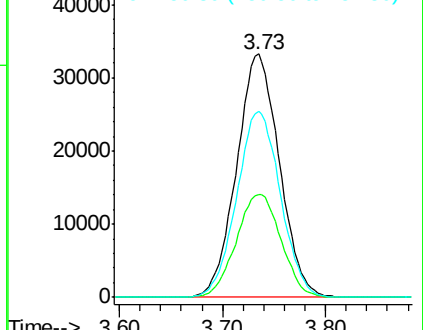
151 78.2 62.0 93.0



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: 37.83 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

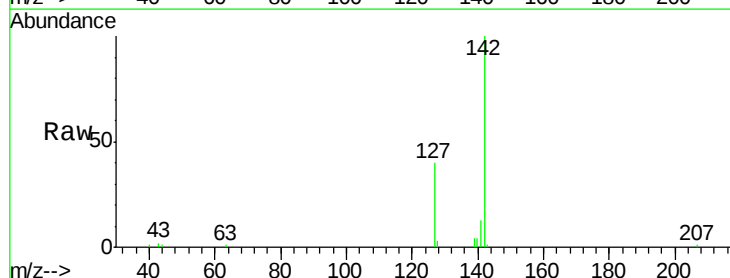
Tgt Ion:142 Resp: 68460

Ion Ratio Lower Upper

142 100

127 42.3 33.8 50.6

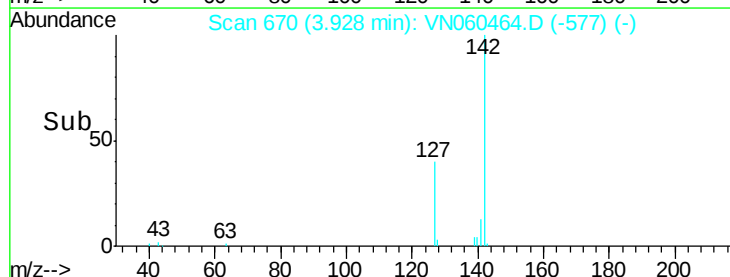
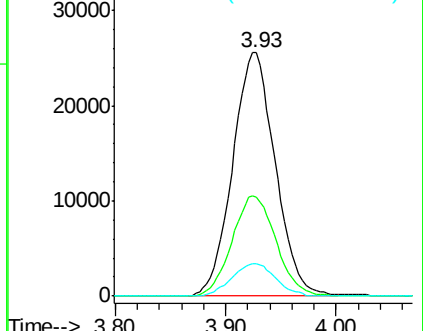
141 13.6 11.1 16.7

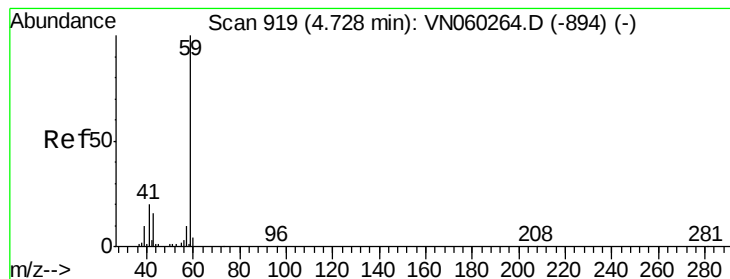


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



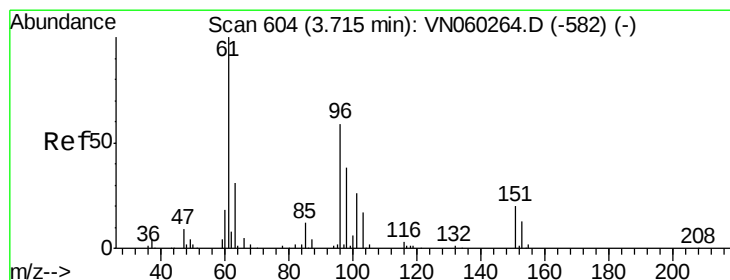
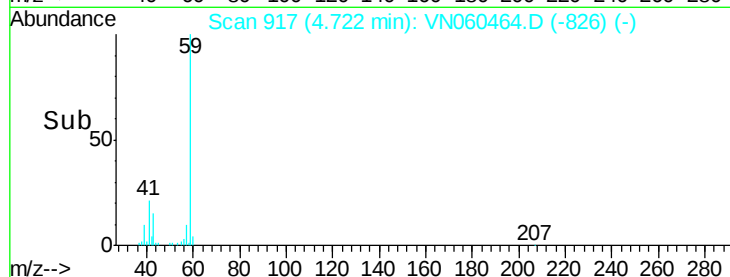
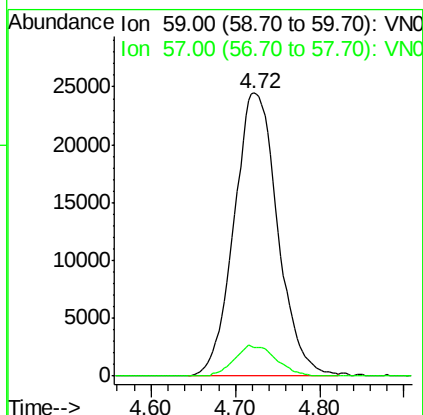
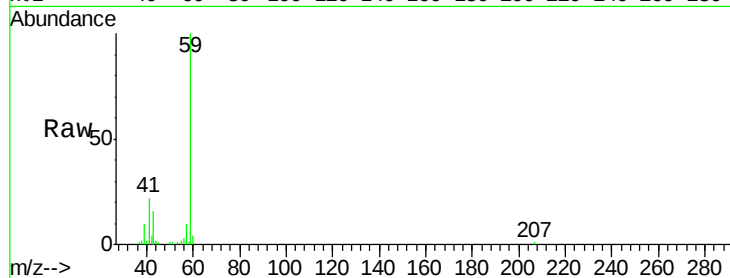


#11

Tert butyl alcohol
 Concen: 230.86 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

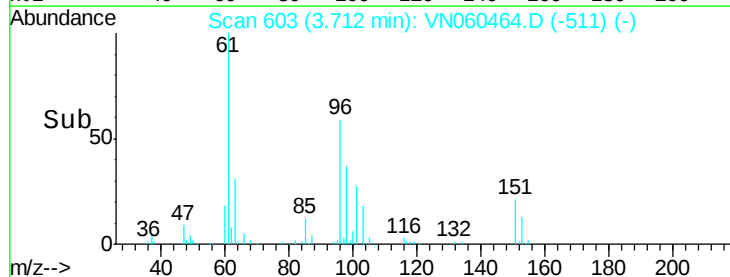
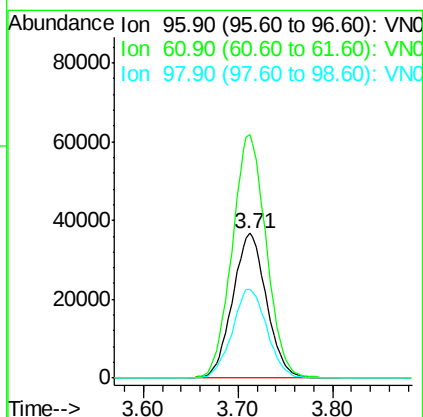
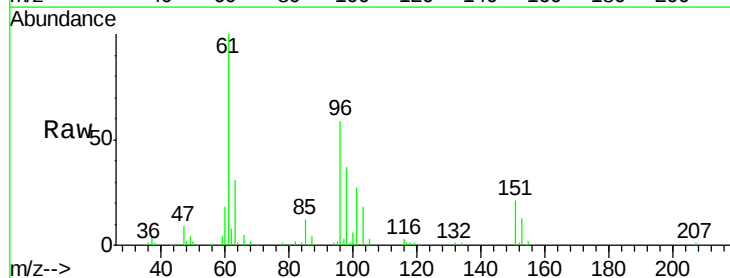
Tgt Ion: 59 Resp: 88090
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

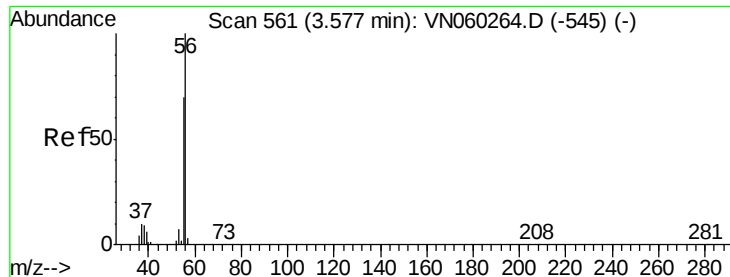


#12

1,1-Dichloroethene
 Concen: 47.44 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion: 96 Resp: 91284
 Ion Ratio Lower Upper
 96 100
 61 168.4 135.4 203.0
 98 61.6 51.6 77.4





#13

Acrolein

Concen: 246.04 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

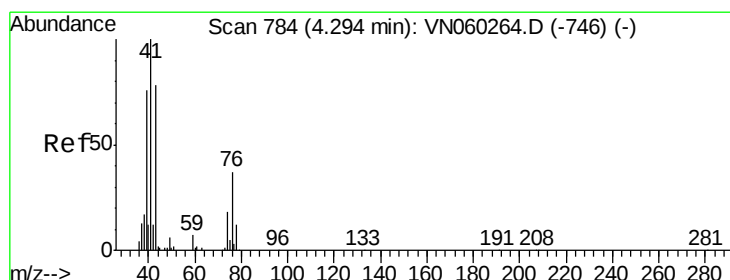
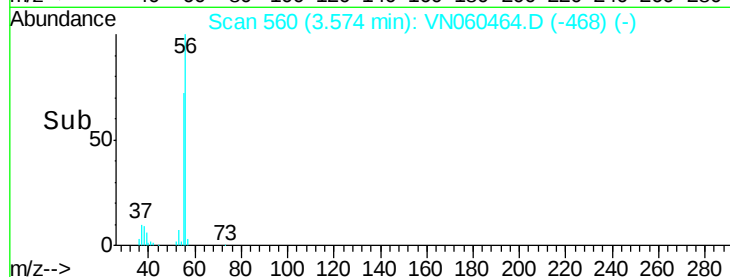
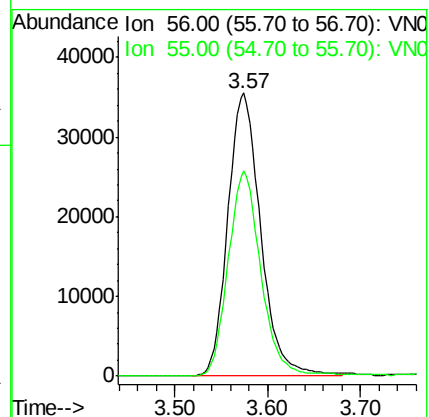
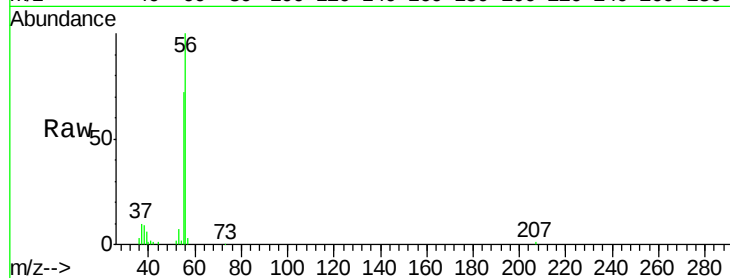
VSTDCCC050

Tgt Ion: 56 Resp: 87585

Ion Ratio Lower Upper

56 100

55 71.2 57.4 86.0



#14

Allyl chloride

Concen: 45.58 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

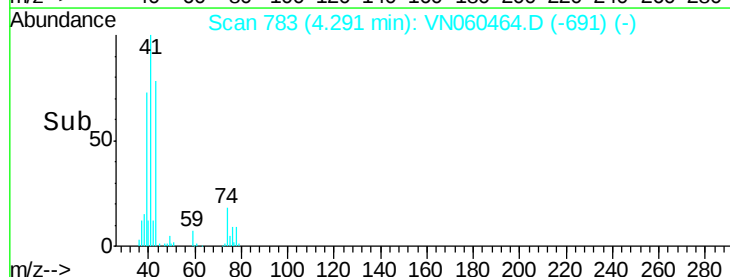
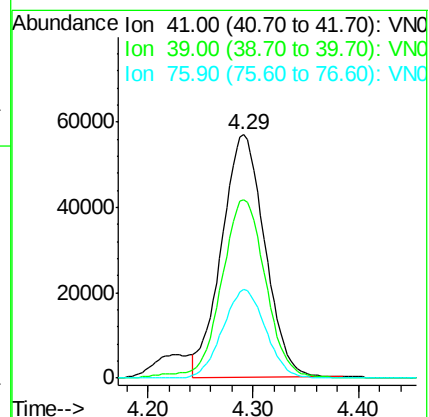
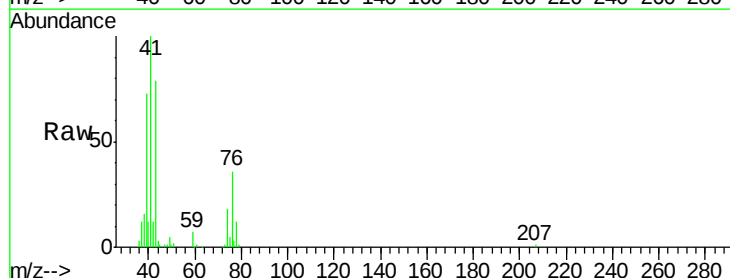
Tgt Ion: 41 Resp: 161710

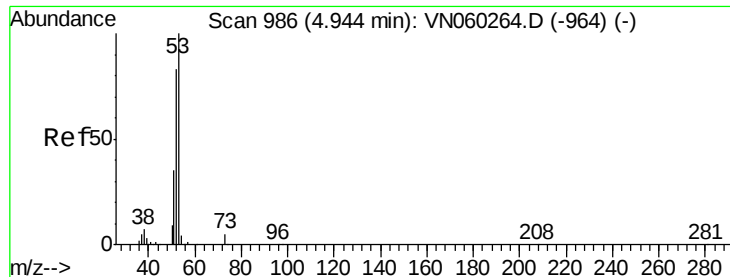
Ion Ratio Lower Upper

41 100

39 75.6 55.4 83.2

76 36.3 27.0 40.6





#15

Acrylonitrile

Concen: 263.01 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

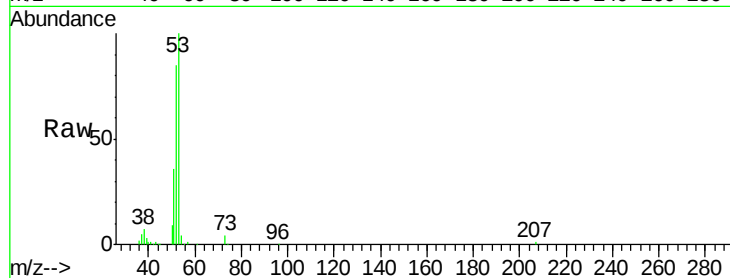
Tgt Ion: 53 Resp: 264523

Ion Ratio Lower Upper

53 100

52 82.3 66.8 100.2

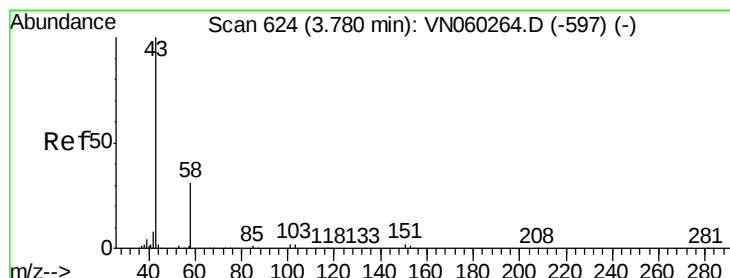
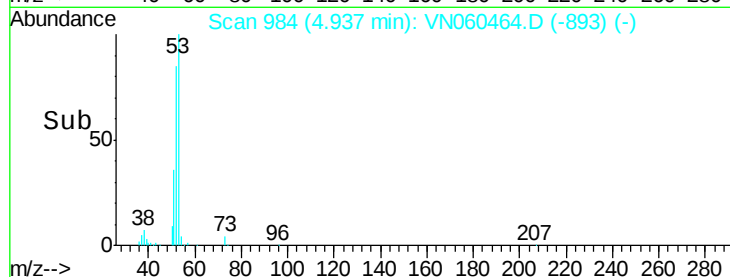
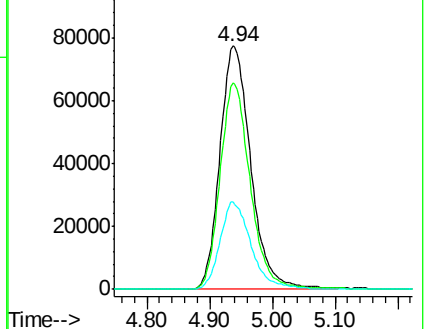
51 36.2 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060464.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060464.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060464.D (-964) (-)



#16

Acetone

Concen: 285.80 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060464.D

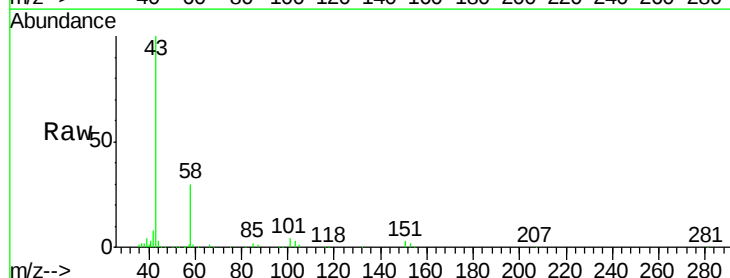
Acq: 12 Mar 2020 8:56

Tgt Ion: 43 Resp: 237176

Ion Ratio Lower Upper

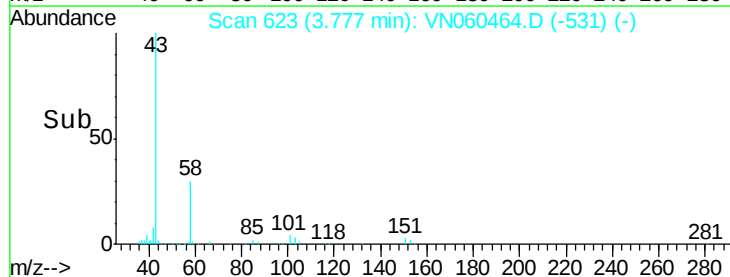
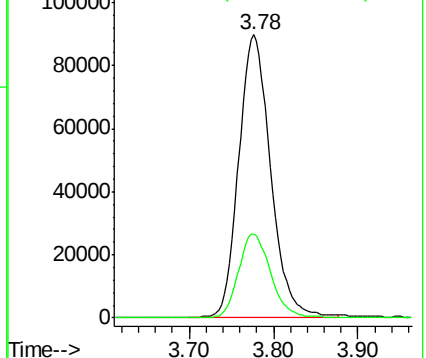
43 100

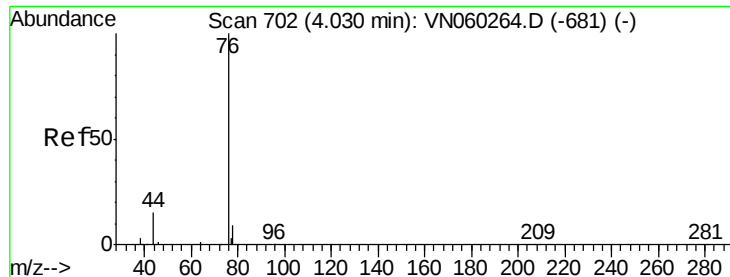
58 29.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060464.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060464.D (-531) (-)

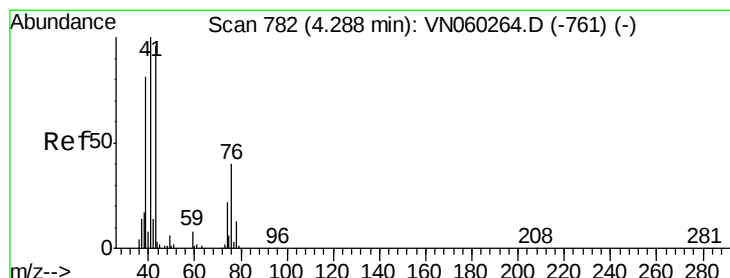
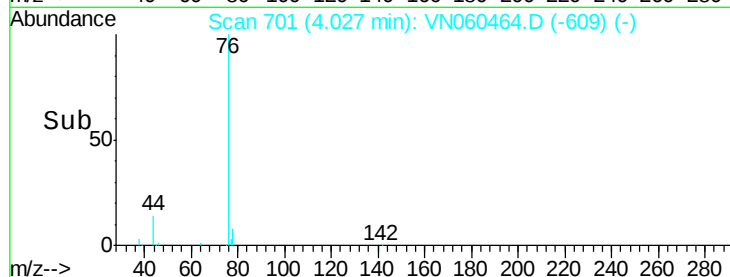
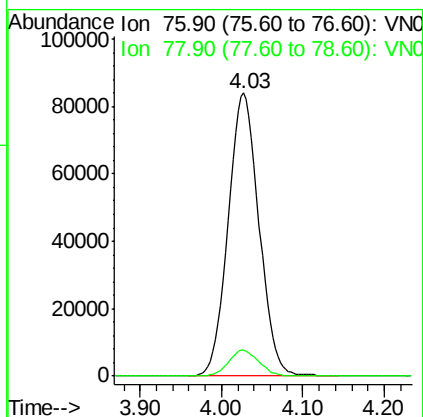
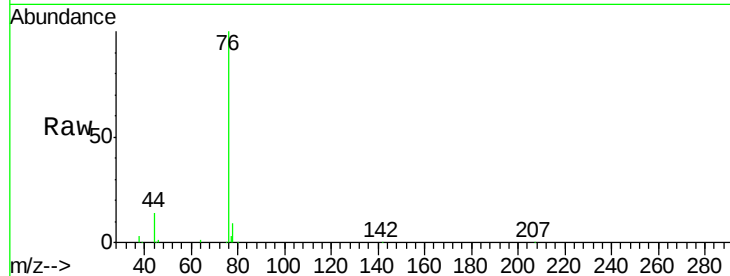




#17
Carbon Disulfide
Concen: 43.38 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

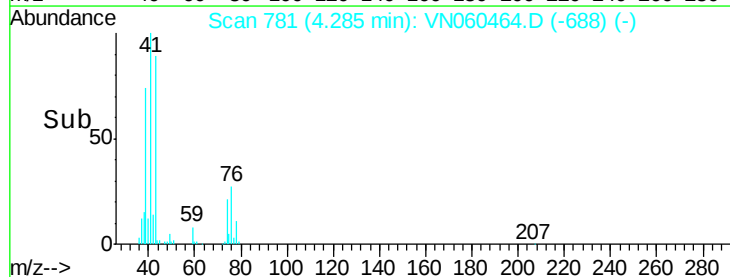
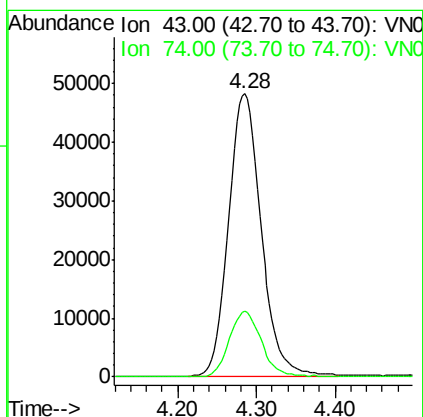
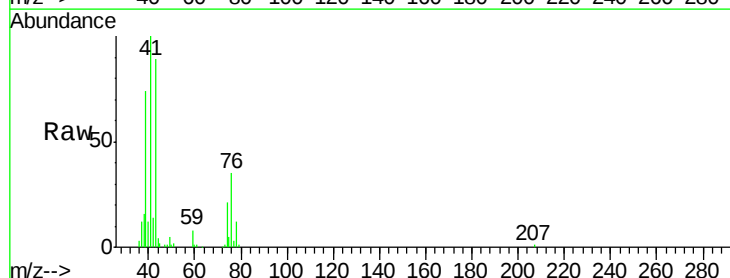
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

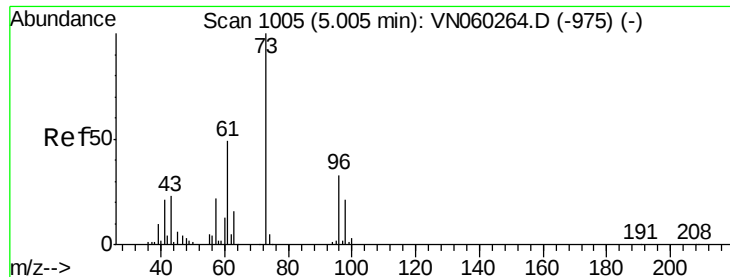
Tgt Ion: 76 Resp: 222010
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 49.99 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 43 Resp: 138446
Ion Ratio Lower Upper
43 100
74 23.0 18.8 28.2

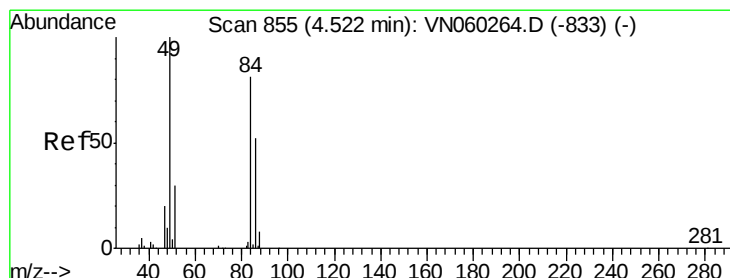
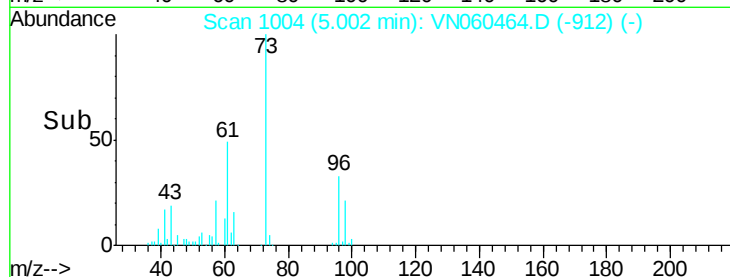
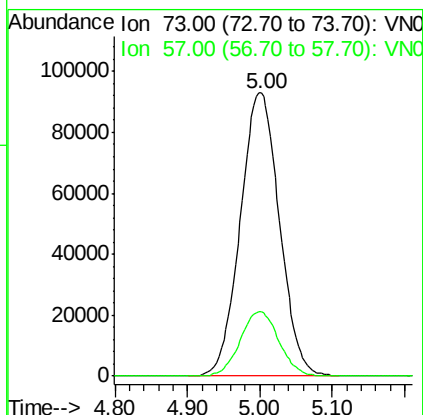
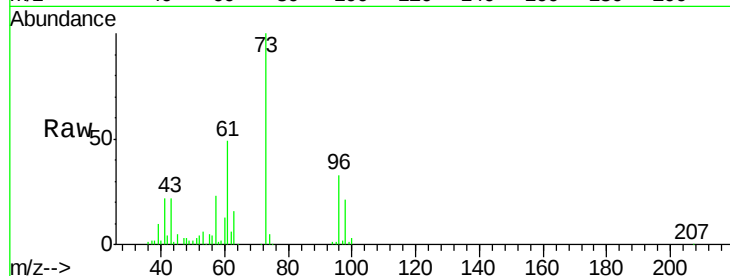




#19
Methyl tert-butyl Ether
Concen: 50.02 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

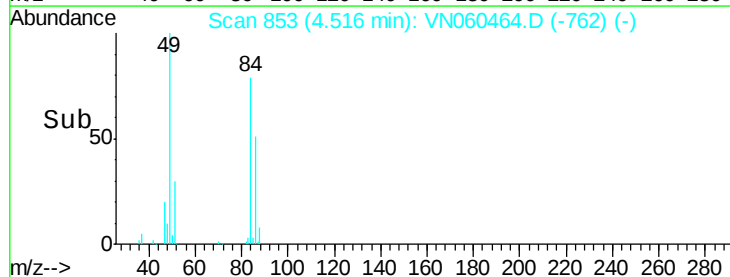
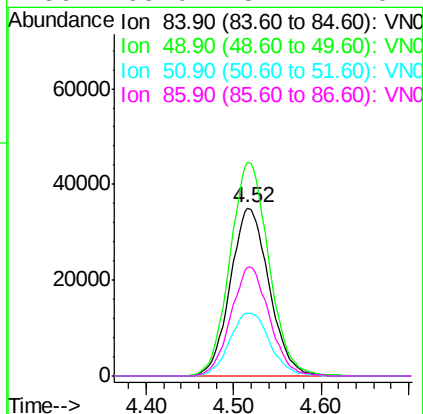
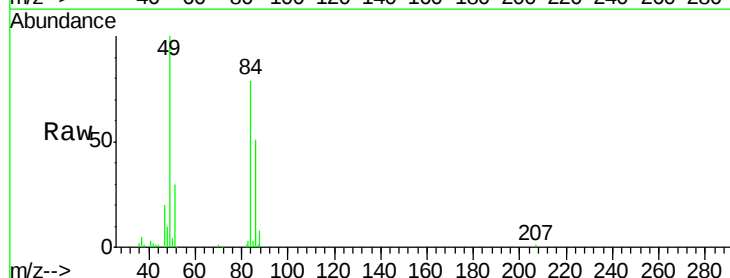
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

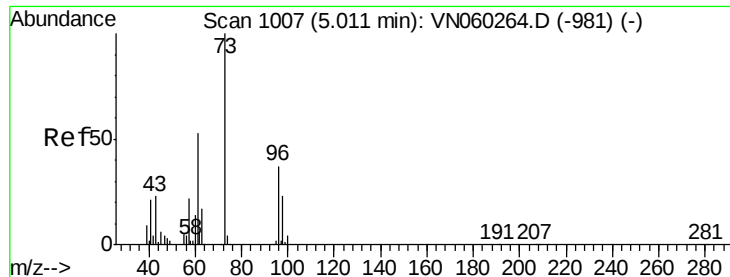
Tgt Ion: 73 Resp: 349438
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 47.46 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 84 Resp: 108162
Ion Ratio Lower Upper
84 100
49 127.1 99.3 148.9
51 37.7 30.1 45.1
86 65.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.93 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

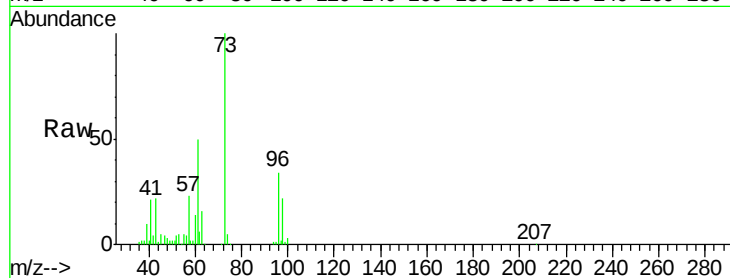
Tgt Ion: 96 Resp: 99125

Ion Ratio Lower Upper

96 100

61 148.3 113.8 170.8

98 64.8 48.8 73.2

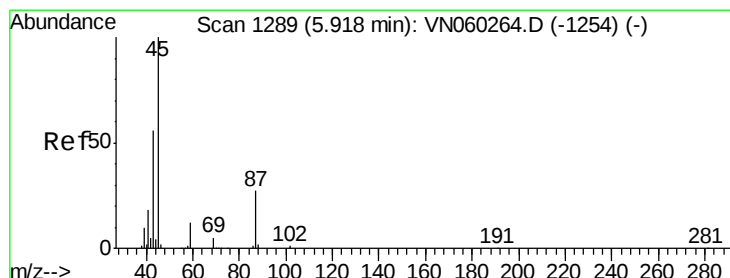
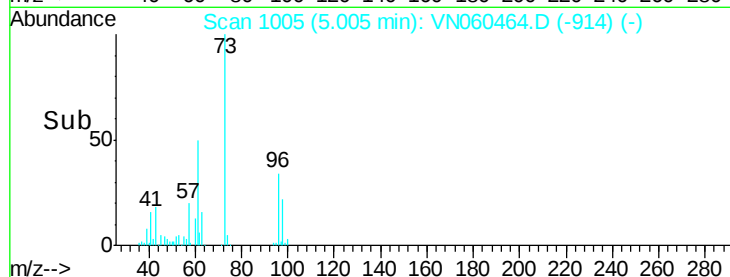
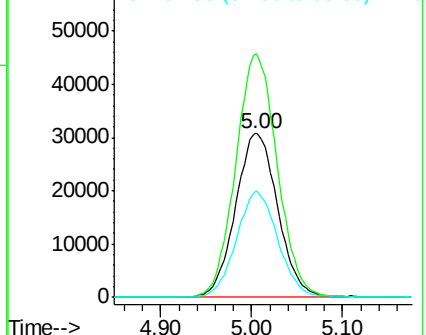


Abundance

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: 53.15 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion: 45 Resp: 381936

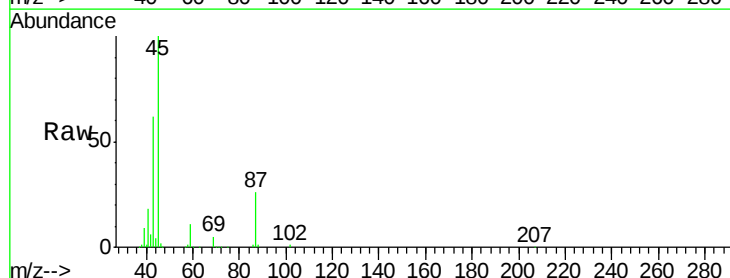
Ion Ratio Lower Upper

45 100

43 60.9 48.6 72.8

87 26.1 22.2 33.2

59 10.9 9.5 14.3



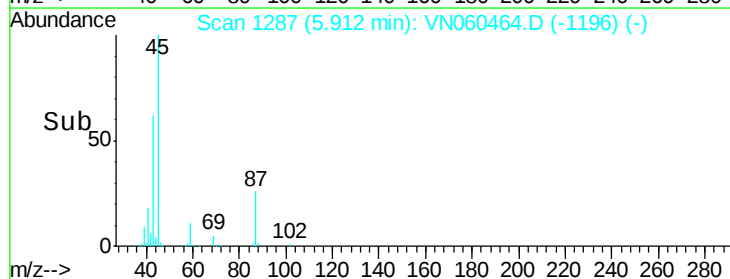
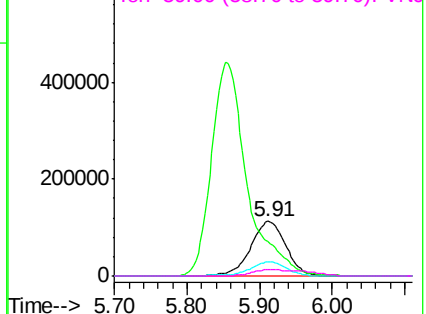
Abundance

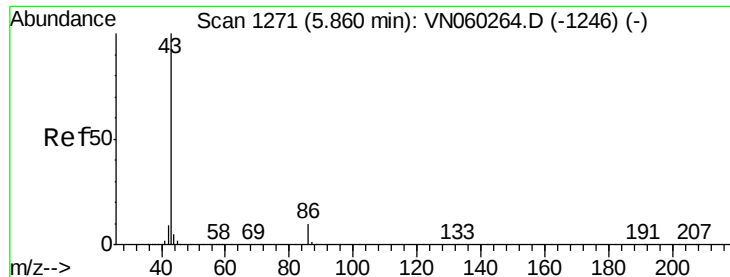
Ion 45.00 (44.70 to 45.70): VN0

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: 263.67 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

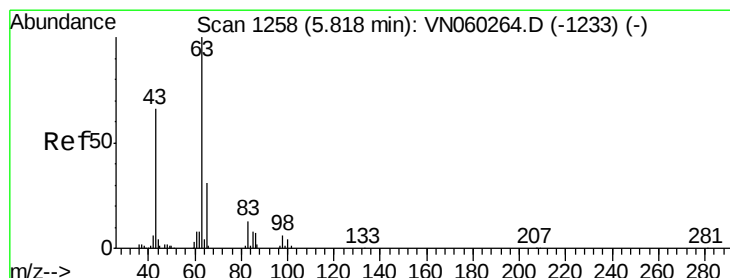
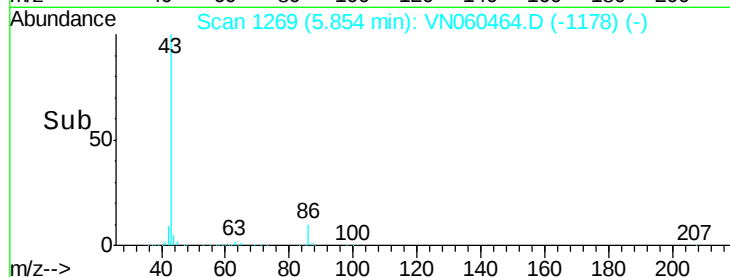
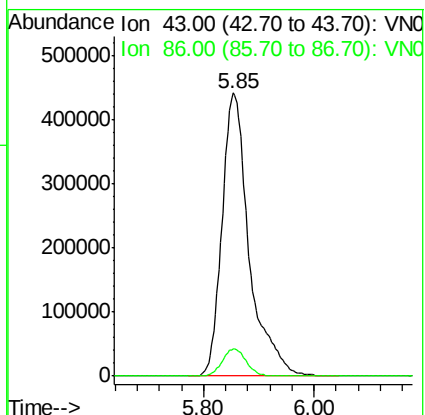
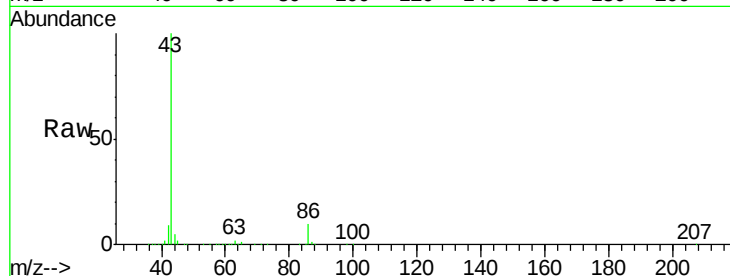
VSTDCCC050

Tgt Ion: 43 Resp: 1505738

Ion Ratio Lower Upper

43 100

86 9.6 8.0 12.0



#24

1,1-Dichloroethane

Concen: 50.96 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

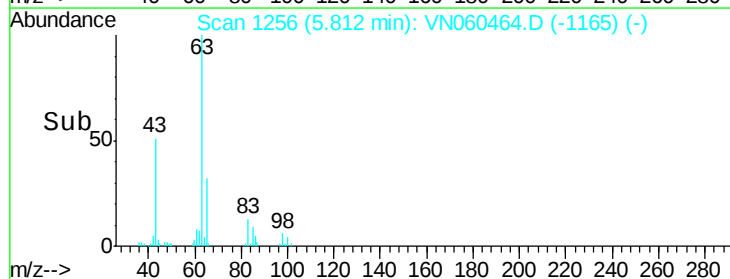
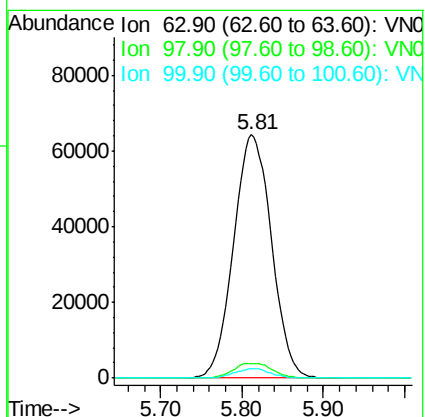
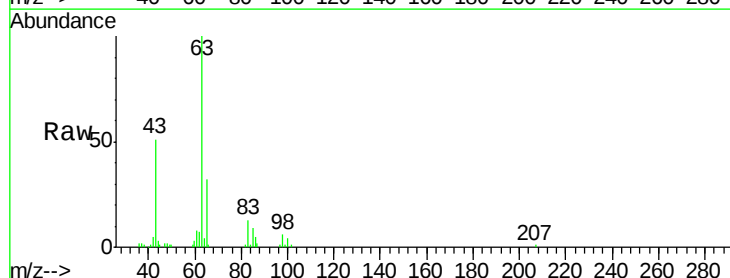
Tgt Ion: 63 Resp: 207304

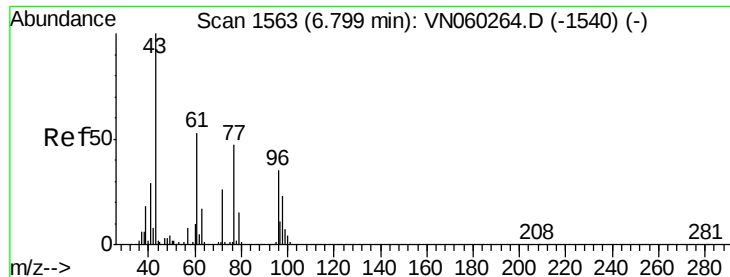
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 4.1 2.0 6.0





#25

2-Butanone

Concen: 288.32 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

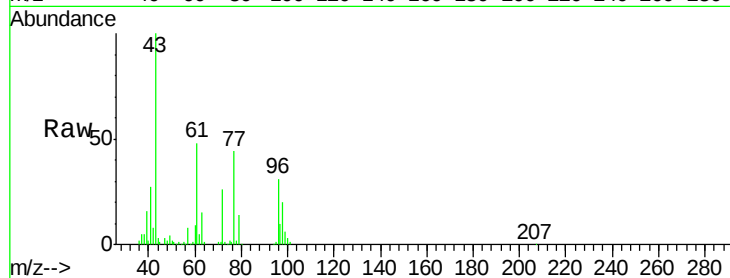
VSTDCCC050

Tgt Ion: 43 Resp: 386468

Ion Ratio Lower Upper

43 100

72 25.9 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.79

150000

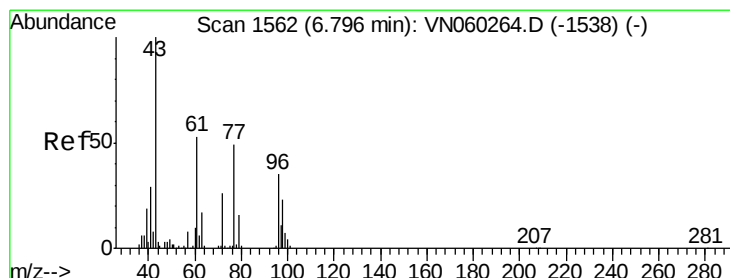
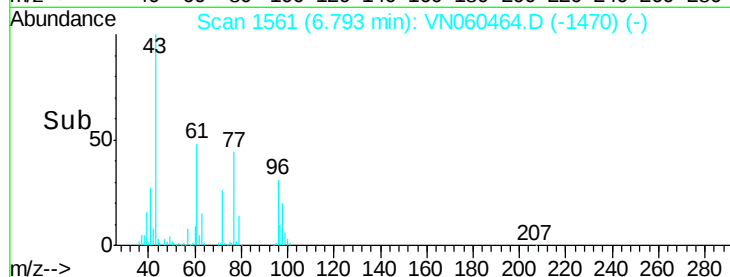
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 50.35 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060464.D

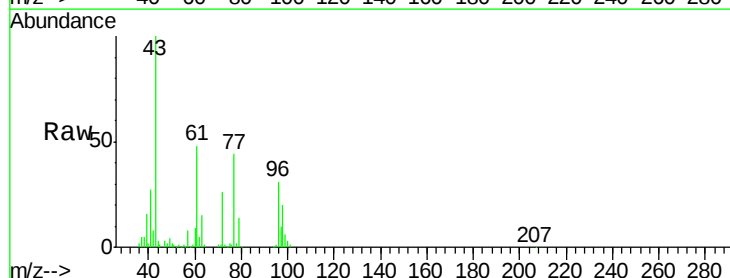
Acq: 12 Mar 2020 8:56

Tgt Ion: 77 Resp: 186475

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.79

60000

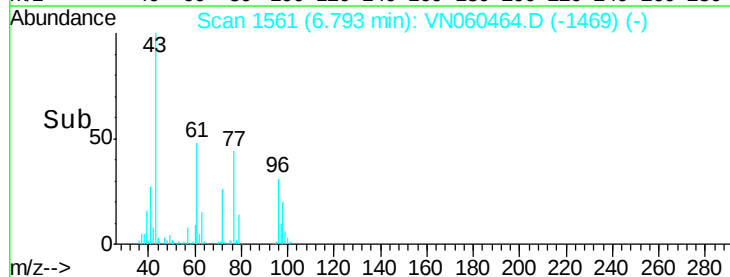
40000

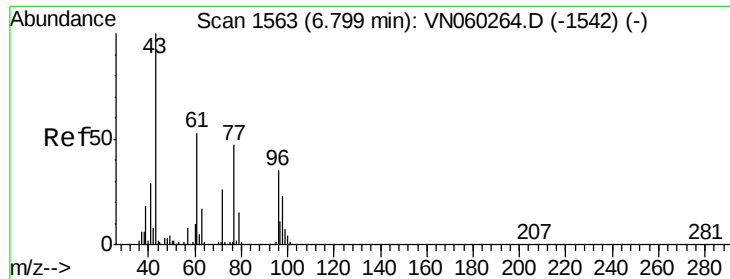
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.21 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

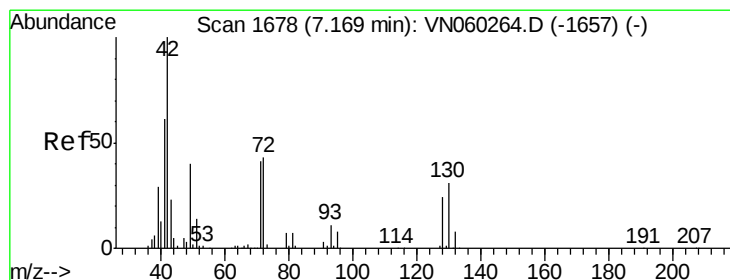
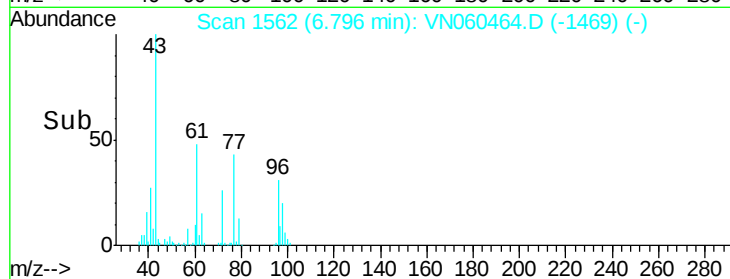
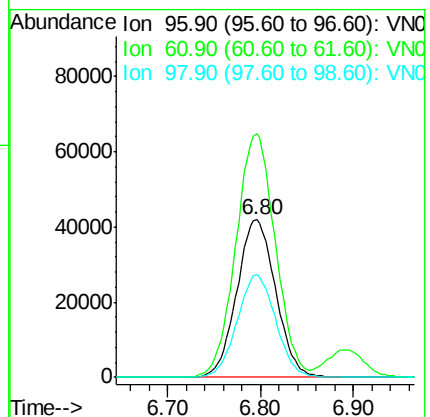
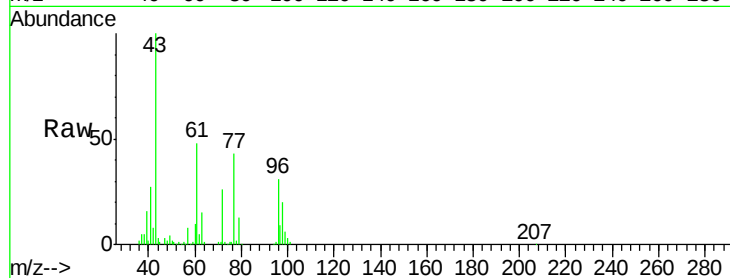
Tgt Ion: 96 Resp: 122118

Ion Ratio Lower Upper

96 100

61 156.2 0.0 300.8

98 64.4 0.0 128.2



#28

Bromochloromethane

Concen: 51.92 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

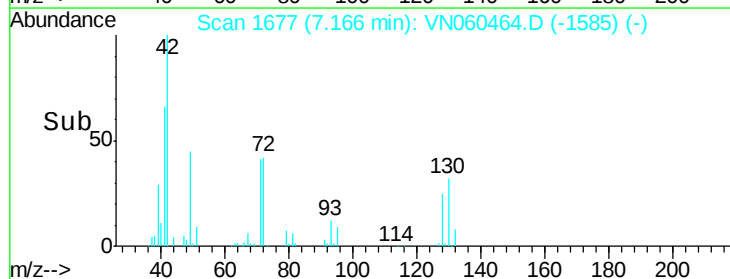
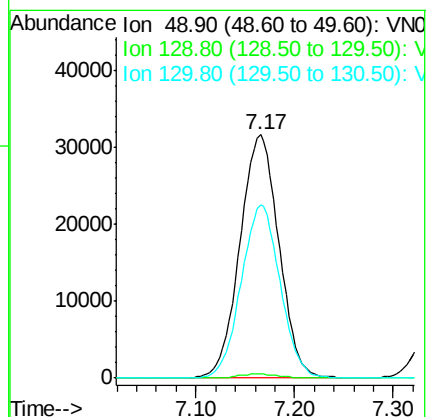
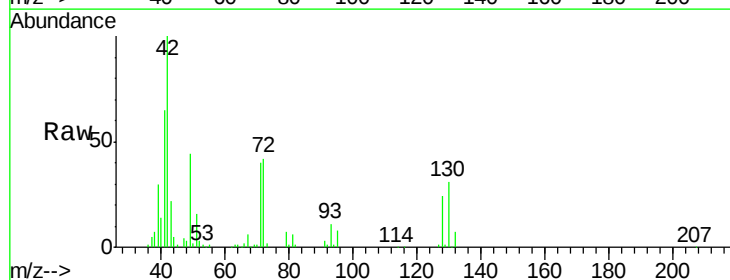
Tgt Ion: 49 Resp: 86728

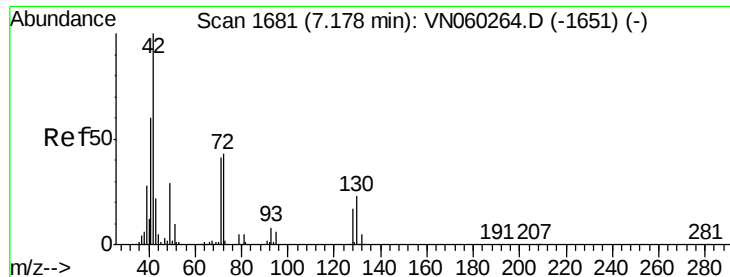
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

130 70.9 59.8 89.8





#29

Tetrahydrofuran

Concen: 253.95 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

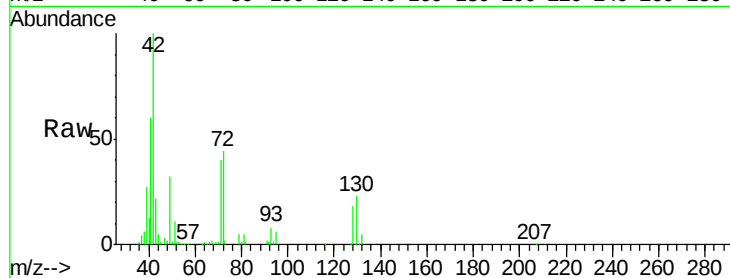
Tgt Ion: 42 Resp: 236710

Ion Ratio Lower Upper

42 100

72 42.1 34.6 52.0

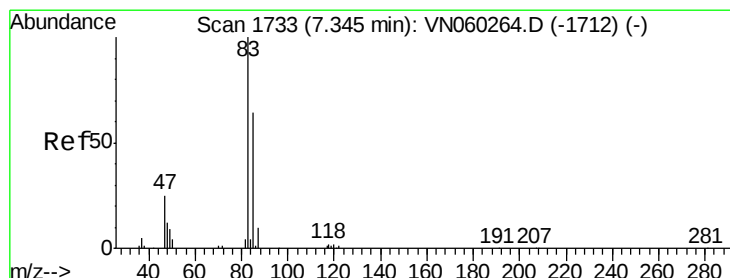
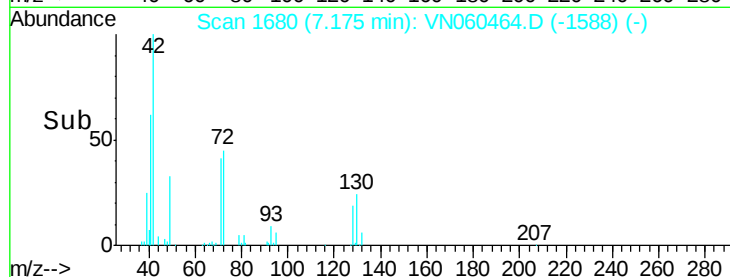
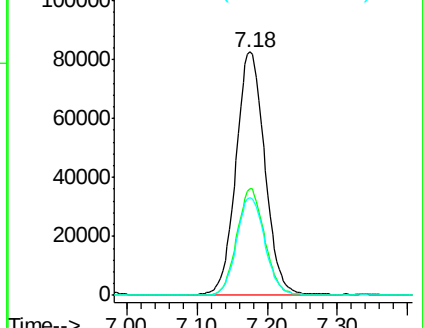
71 39.4 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.56 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN060464.D

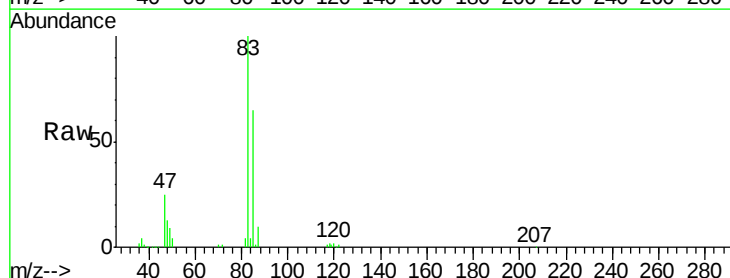
Acq: 12 Mar 2020 8:56

Tgt Ion: 83 Resp: 208818

Ion Ratio Lower Upper

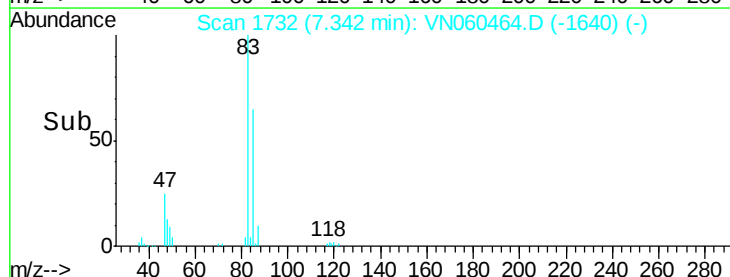
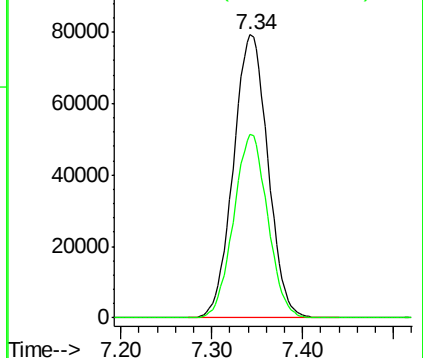
83 100

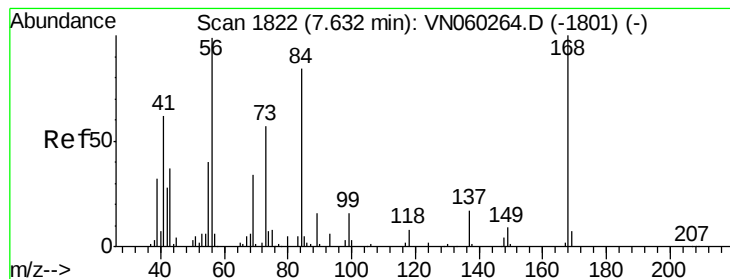
85 64.7 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 50.10 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

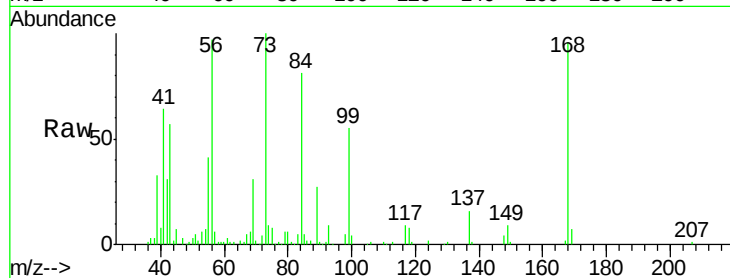
Tgt Ion: 56 Resp: 173899

Ion Ratio Lower Upper

56 100

69 32.1 27.2 40.8

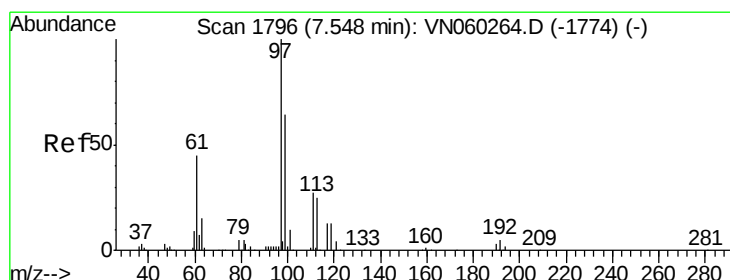
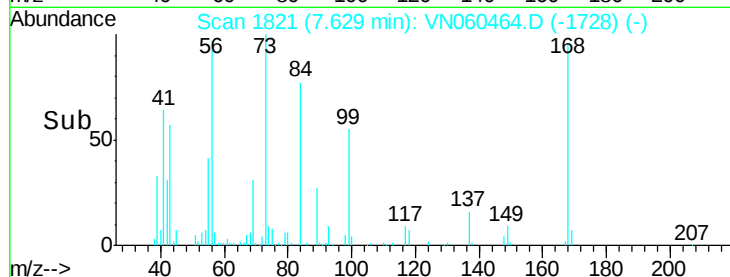
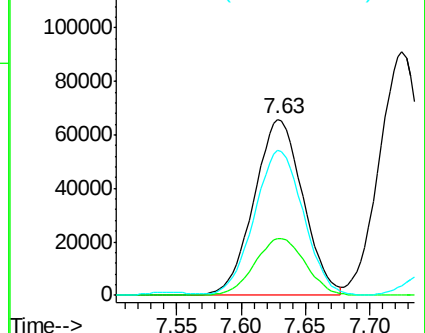
84 81.6 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060464.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN060464.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN060464.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 49.44 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

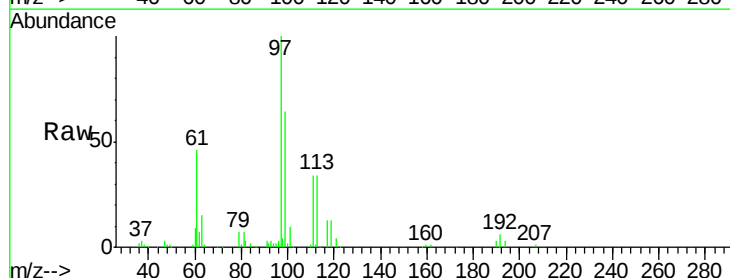
Tgt Ion: 97 Resp: 177381

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

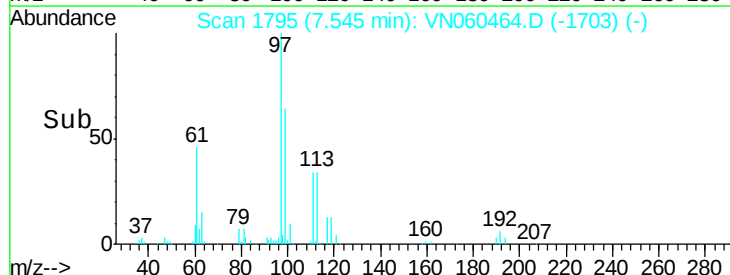
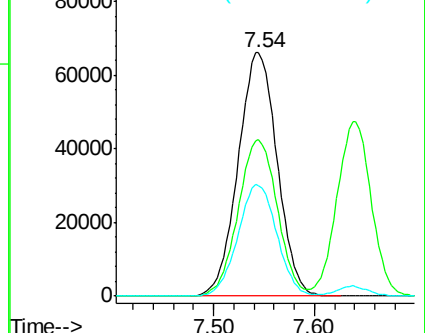
61 45.8 36.6 55.0

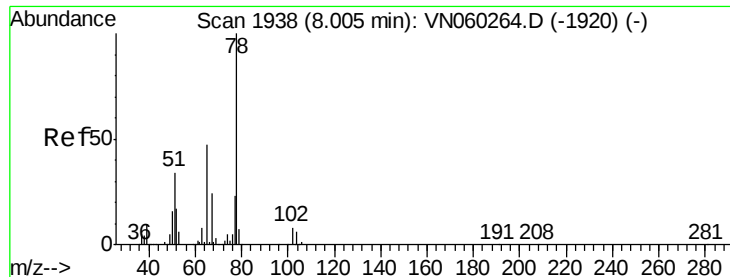


Abundance Ion 96.90 (96.60 to 97.60): VN060464.D (-1774) (-)

Ion 98.90 (98.60 to 99.60): VN060464.D (-1774) (-)

Ion 60.90 (60.60 to 61.60): VN060464.D (-1774) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.74 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

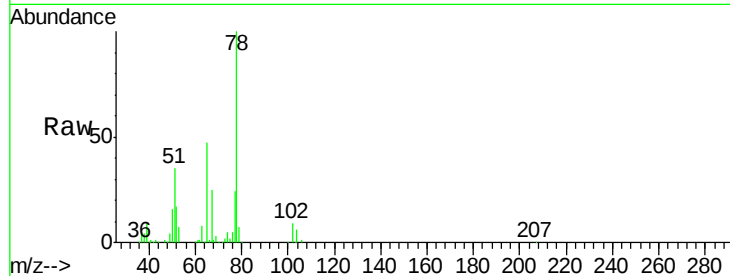
VSTDCCC050

Tgt Ion: 65 Resp: 127828

Ion Ratio Lower Upper

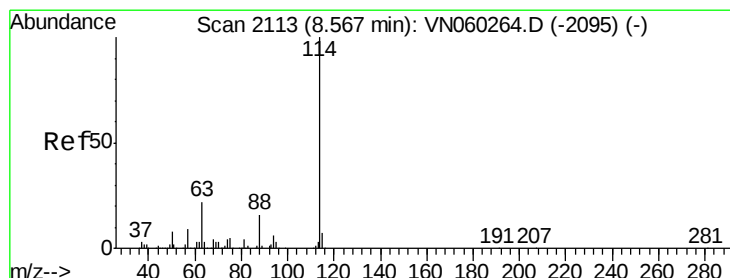
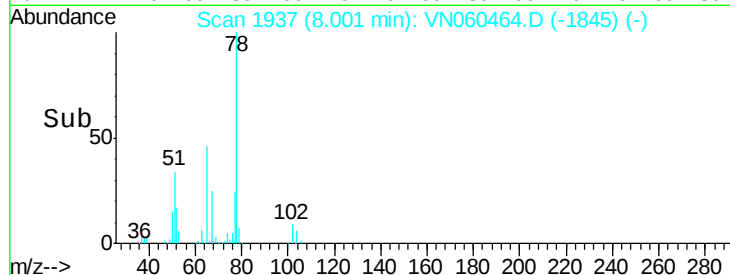
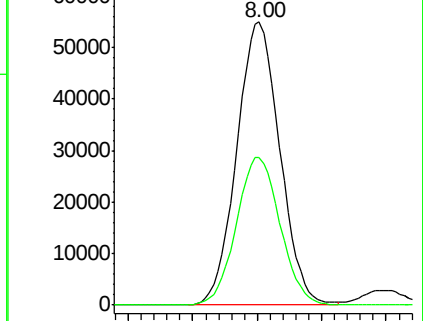
65 100

67 53.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060464.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060464.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

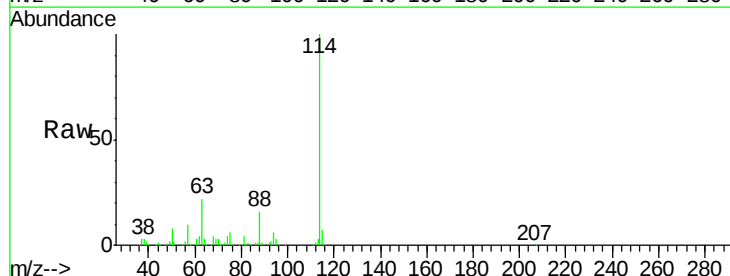
Tgt Ion: 114 Resp: 324061

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.2

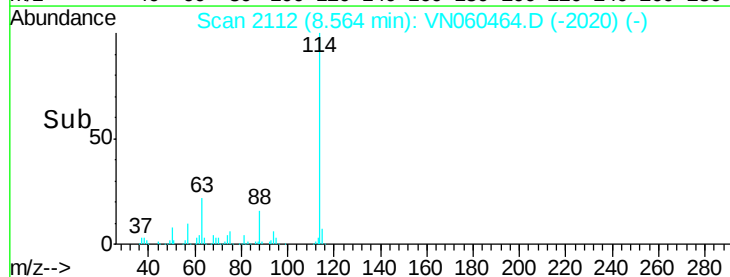
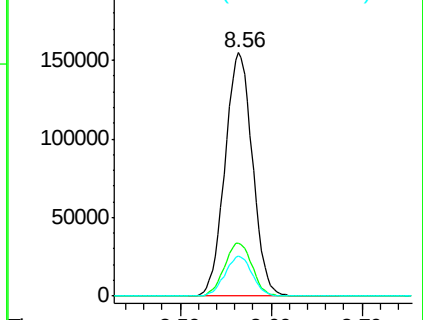
88 16.3 0.0 31.6

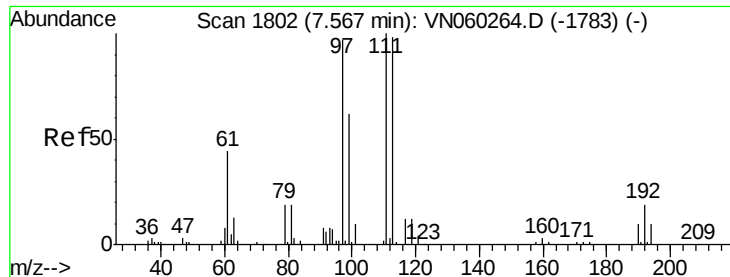


Abundance Ion 113.90 (113.60 to 114.60): VN060464.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060464.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060464.D (-2095) (-)





#35

Dibromofluoromethane

Concen: 64.91 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

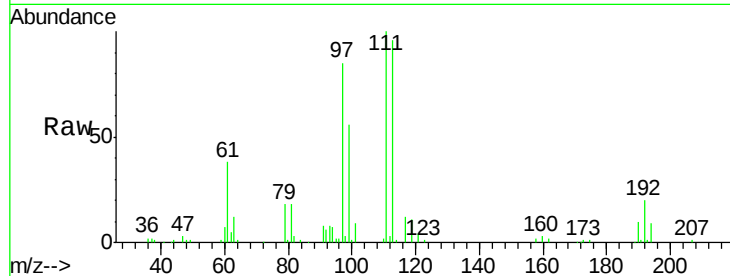
Tgt Ion:113 Resp: 97637

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

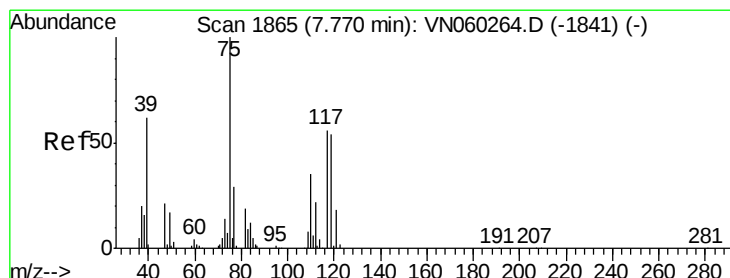
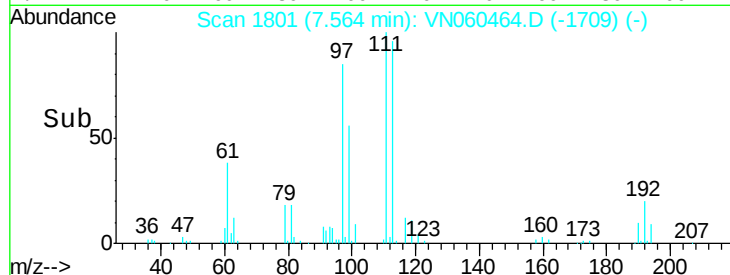
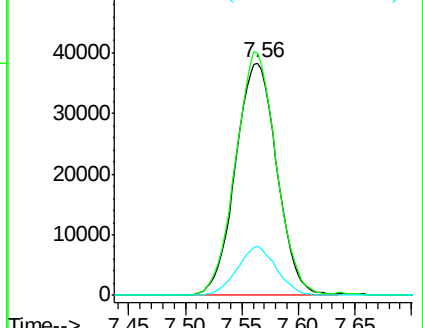
192 19.9 16.2 24.2



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: 47.81 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

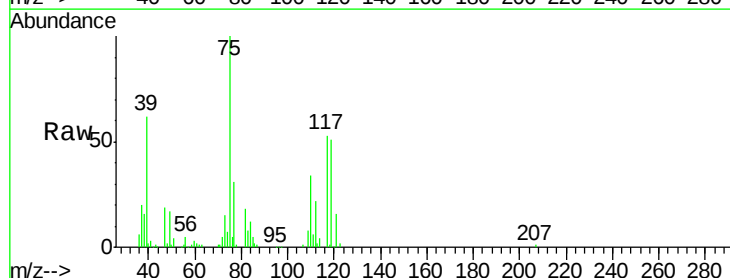
Tgt Ion: 75 Resp: 147667

Ion Ratio Lower Upper

75 100

110 34.6 17.3 52.0

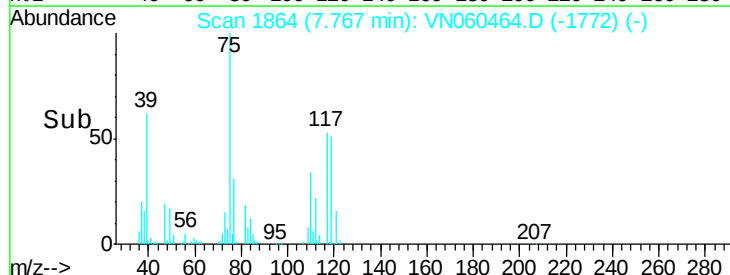
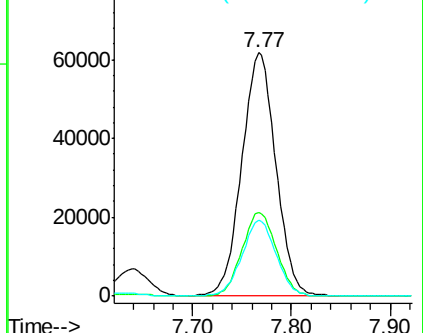
77 31.2 24.2 36.2

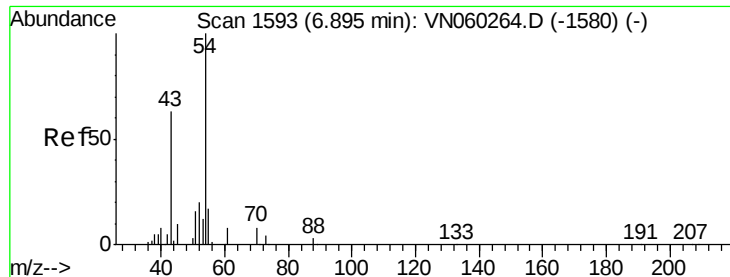


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

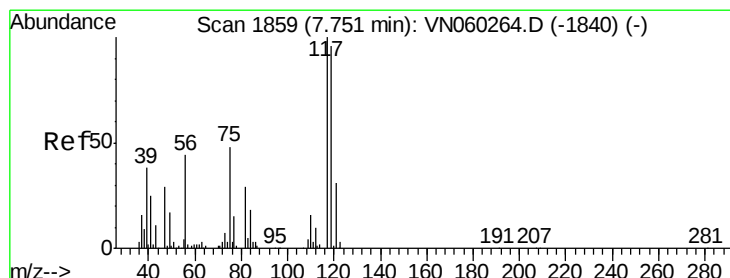
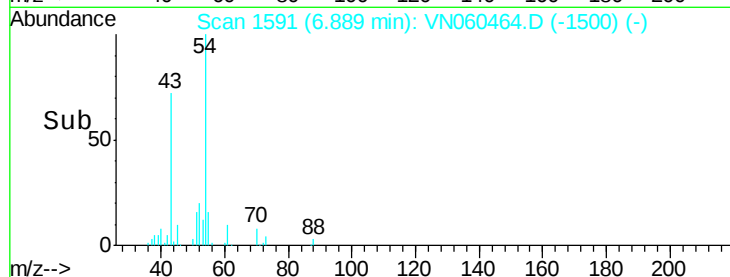
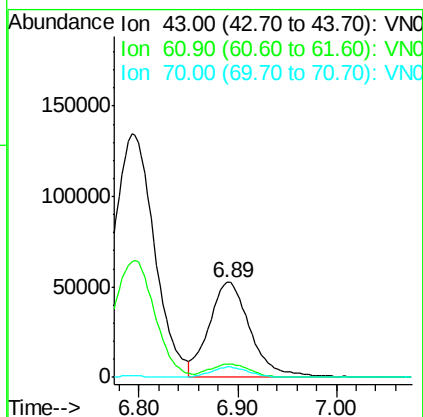
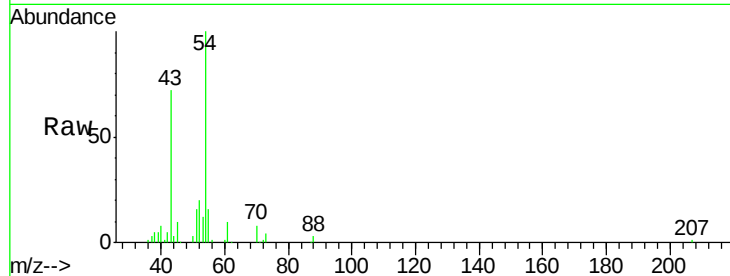




#37
Ethyl Acetate
 Concen: 51.28 ug/l
 RT: 6.89 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

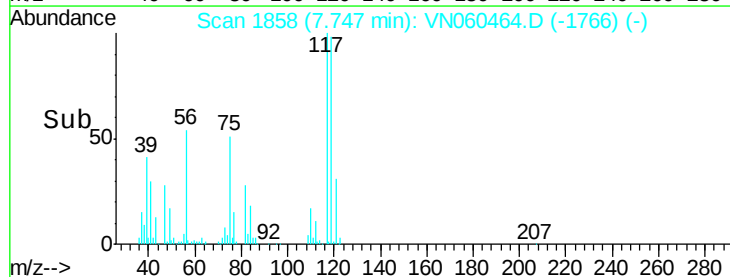
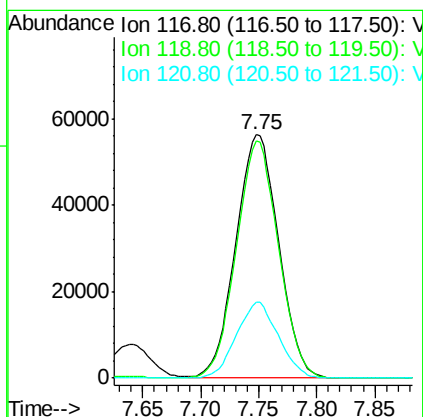
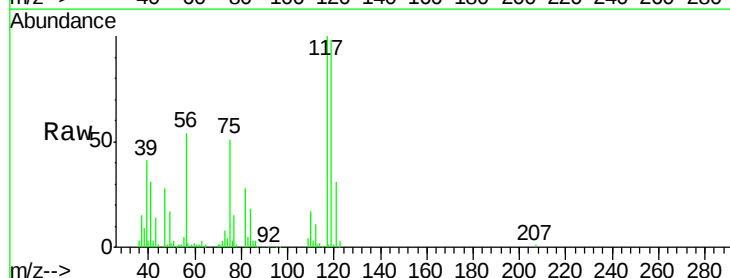
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

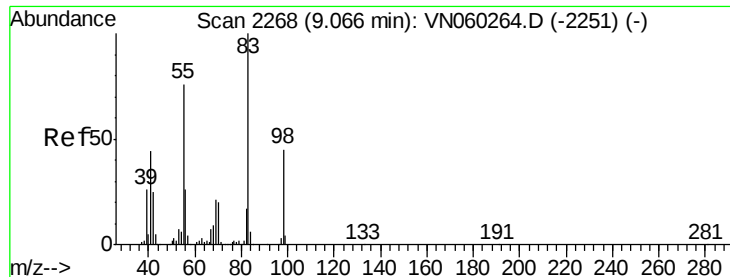
Tgt Ion: 43 Resp: 149950
 Ion Ratio Lower Upper
 43 100
 61 14.2 11.1 16.7
 70 10.4 8.4 12.6



#38
Carbon Tetrachloride
 Concen: 48.20 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion: 117 Resp: 144934
 Ion Ratio Lower Upper
 117 100
 119 97.6 76.7 115.1
 121 31.4 24.5 36.7

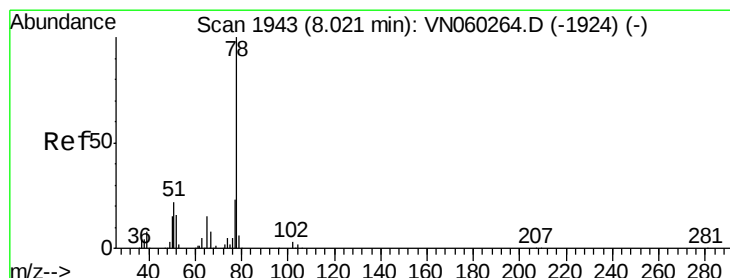
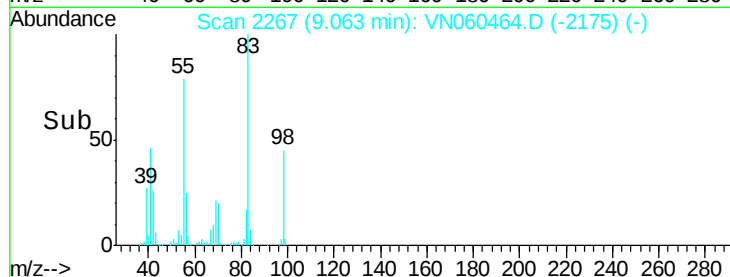
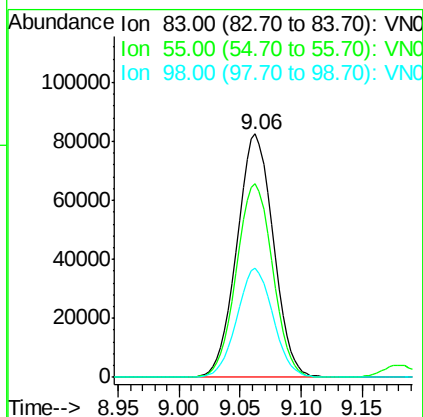
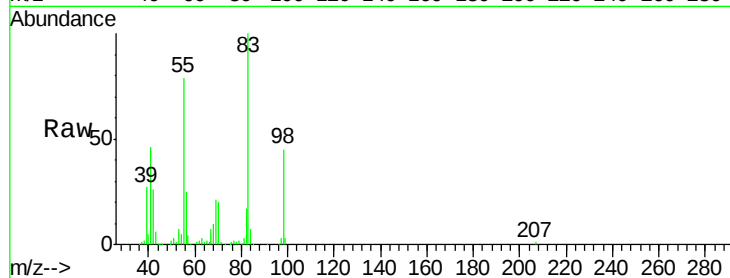




#39
Methylcyclohexane
Concen: 46.88 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

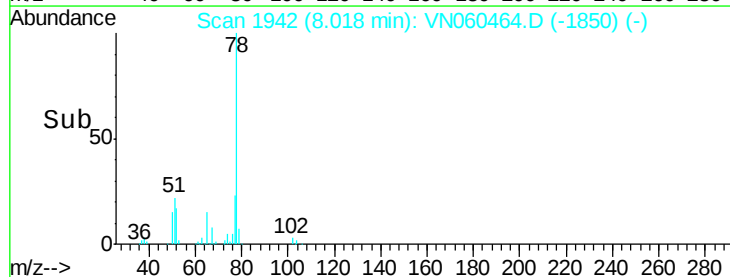
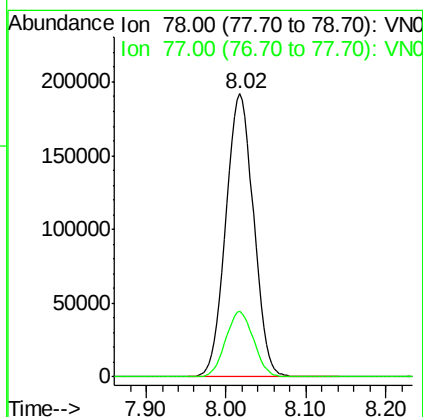
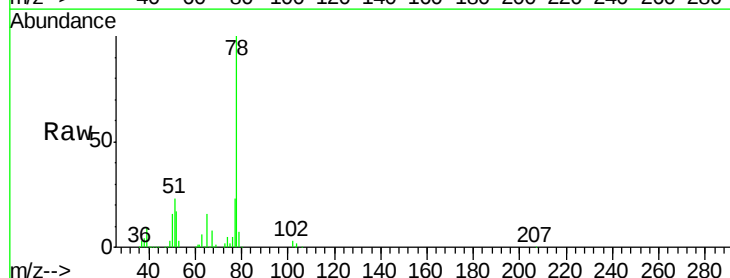
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

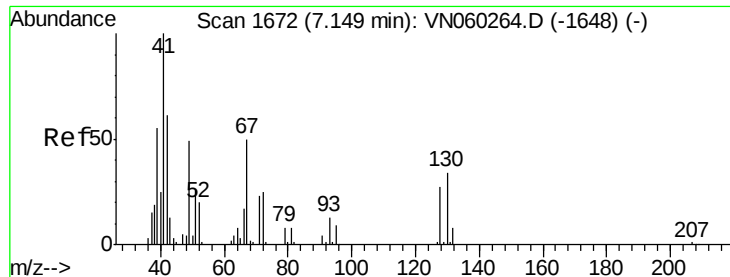
Tgt Ion: 83 Resp: 170700
Ion Ratio Lower Upper
83 100
55 79.4 61.0 91.4
98 44.9 36.1 54.1



#40
Benzene
Concen: 50.58 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 78 Resp: 454687
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

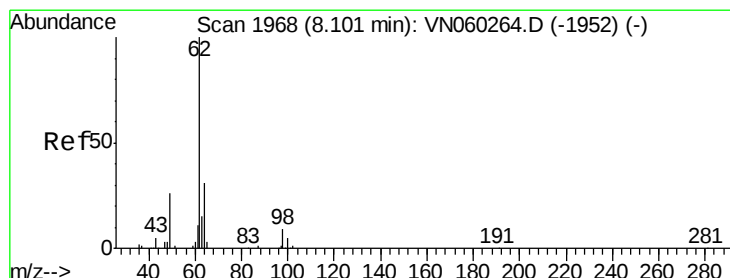
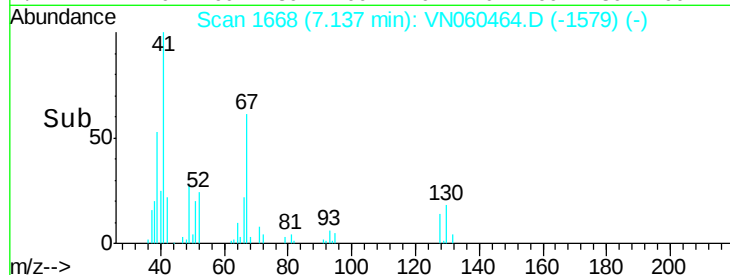
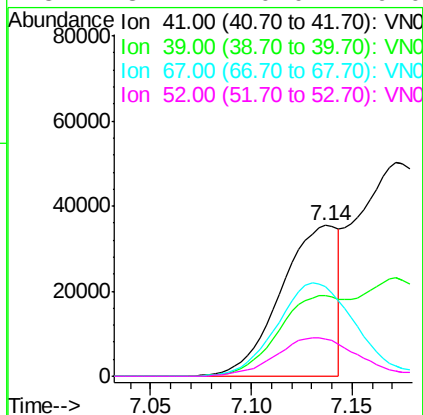
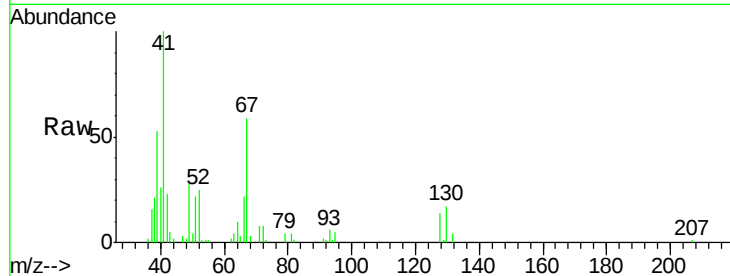




#41
Methacrylonitrile
Concen: 51.75 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

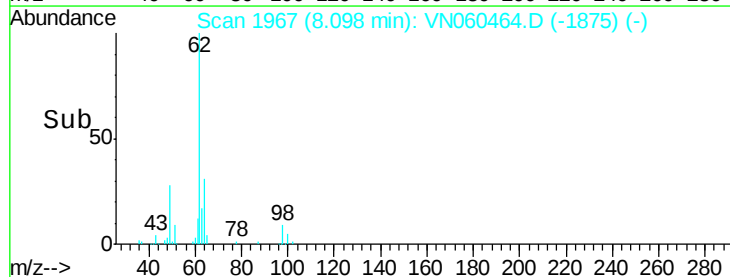
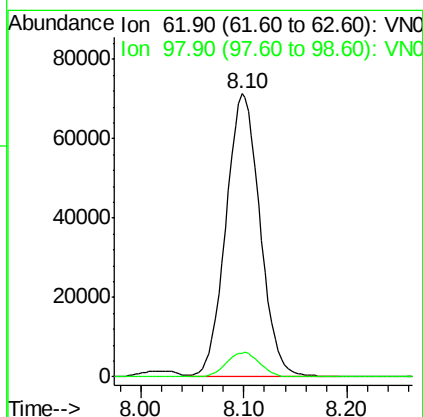
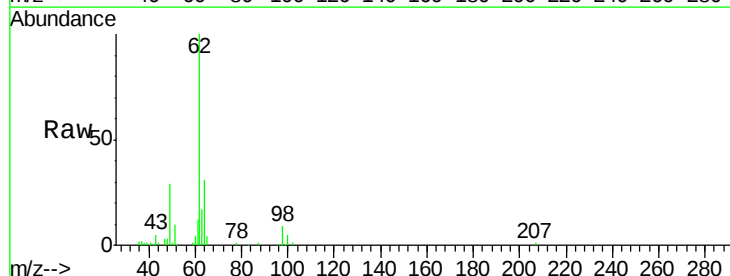
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

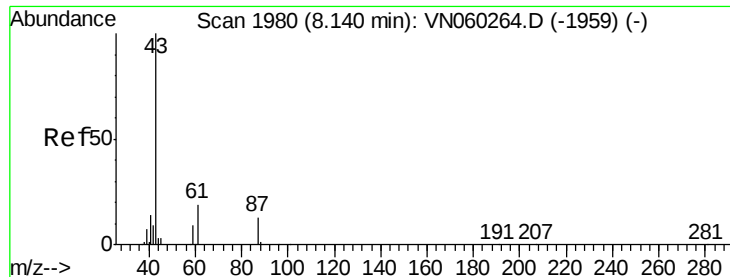
Tgt Ion:	41	Resp:	69874
Ion	Ratio	Lower	Upper
41	100		
39	60.0	0.0	0.0#
67	85.7	0.0	0.0#
52	37.2	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 50.70 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion:	62	Resp:	164472
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 52.69 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

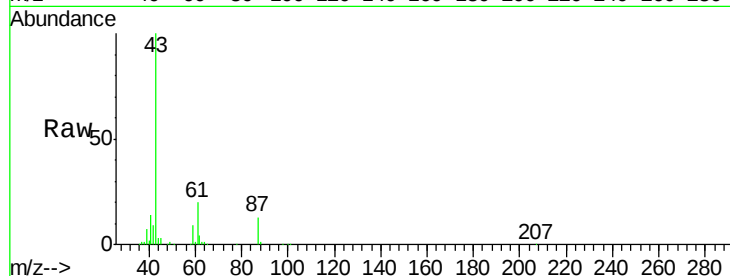
Tgt Ion: 43 Resp: 269747

Ion Ratio Lower Upper

43 100

61 26.0 20.9 31.3

87 12.3 10.6 16.0

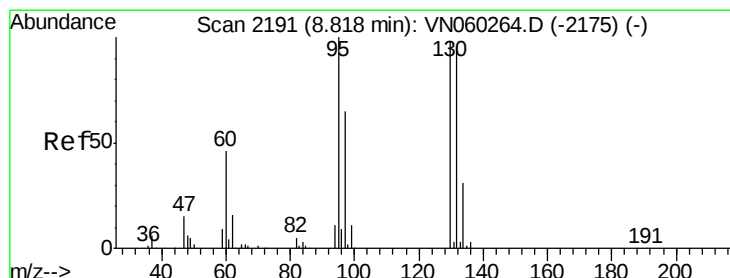
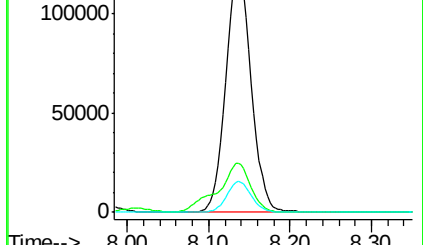
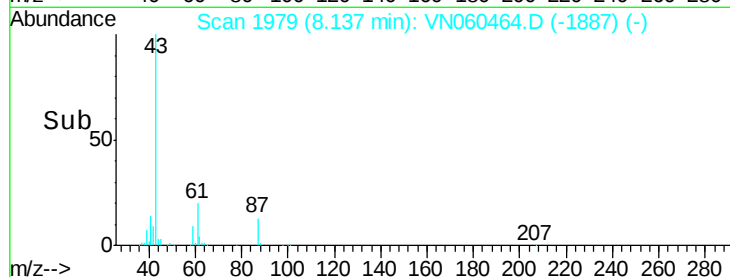


Abundance Ion 43.00 (42.70 to 43.70): VN060464.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060464.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060464.D (-1959) (-)

Time-->



#44

Trichloroethene

Concen: 47.70 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN060464.D

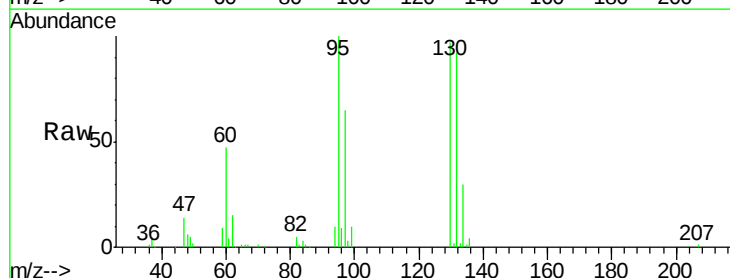
Acq: 12 Mar 2020 8:56

Tgt Ion: 130 Resp: 119424

Ion Ratio Lower Upper

130 100

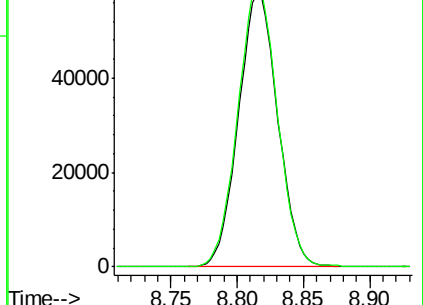
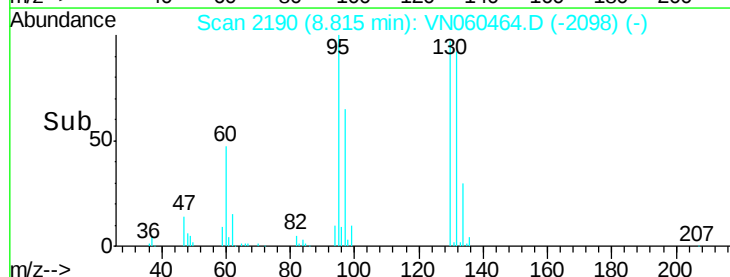
95 103.0 0.0 203.4

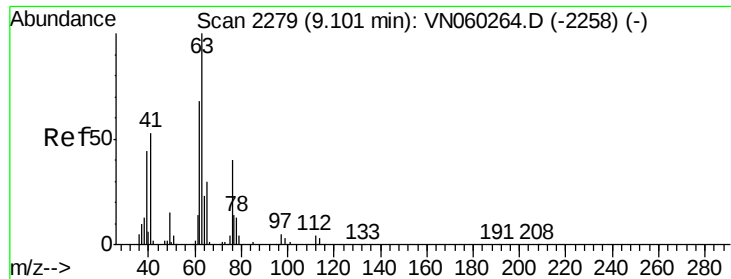


Abundance Ion 129.80 (129.50 to 130.50): VN060464.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060464.D (-2175) (-)

Time-->

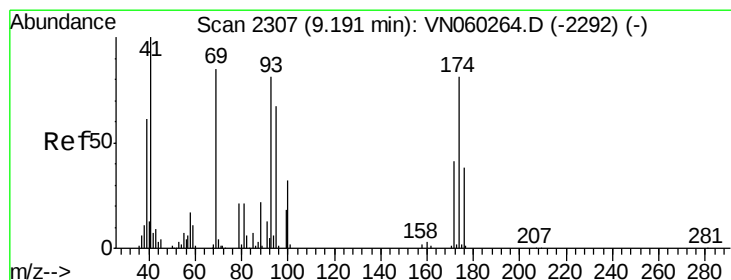
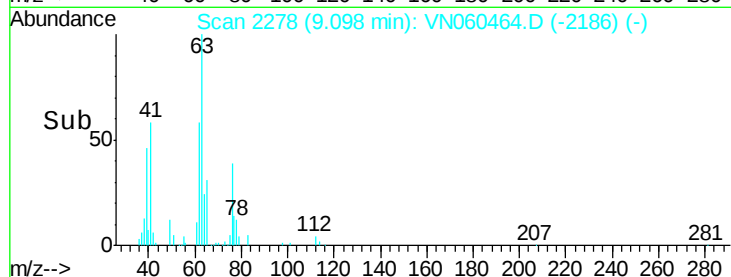
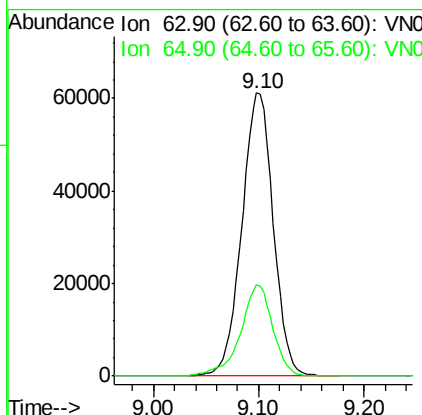
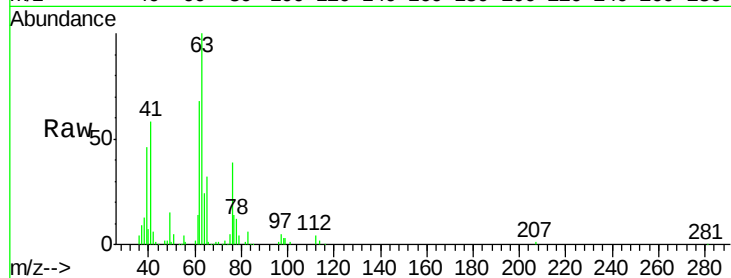




#45
 1,2-Dichloropropane
 Concen: 53.98 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

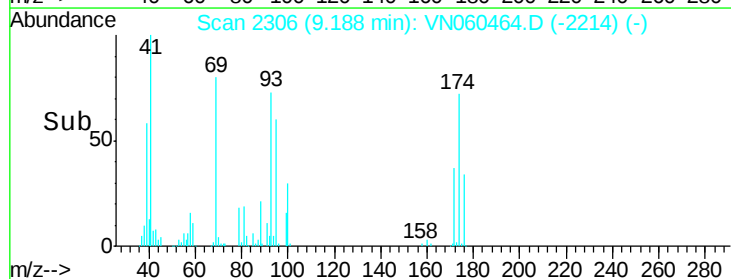
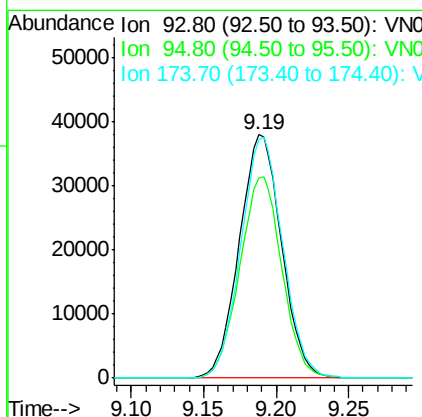
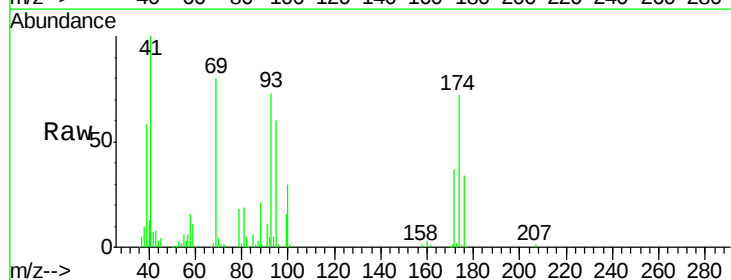
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

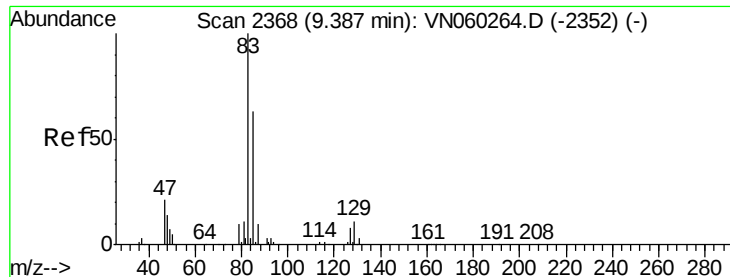
Tgt Ion: 63 Resp: 126873
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.4 36.6



#46
 Dibromomethane
 Concen: 50.62 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion: 93 Resp: 77199
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.9 98.9
 174 98.1 79.6 119.4





#47

Bromodichloromethane

Concen: 53.81 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

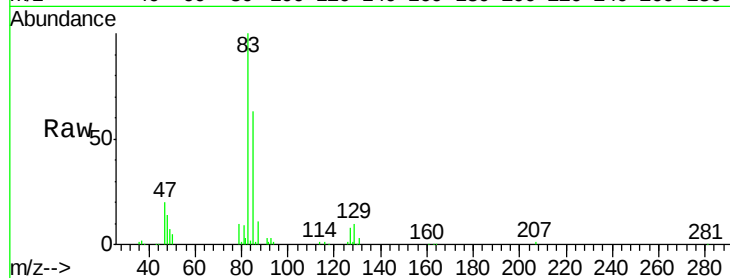
Tgt Ion: 83 Resp: 166887

Ion Ratio Lower Upper

83 100

85 63.4 50.7 76.1

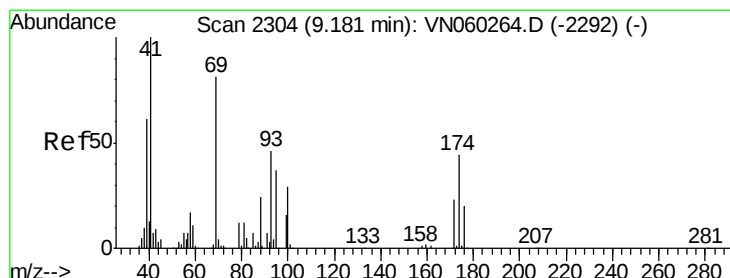
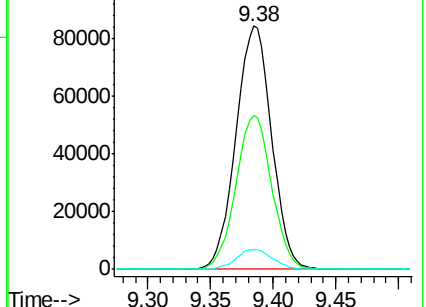
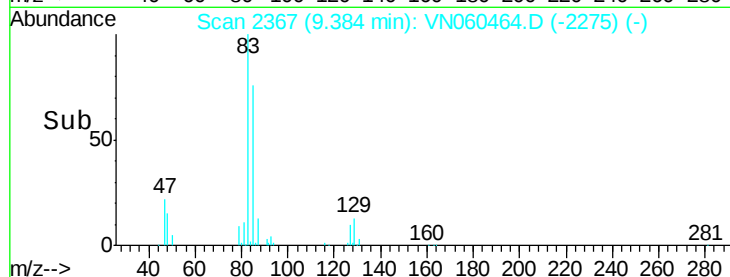
127 8.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060464.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060464.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060464.D (-2275) (-)



#48

Methyl methacrylate

Concen: 51.03 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

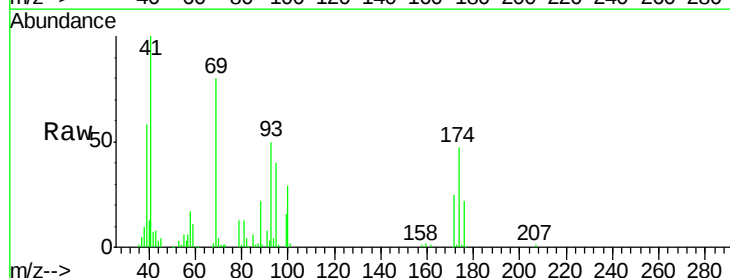
Tgt Ion: 41 Resp: 119130

Ion Ratio Lower Upper

41 100

69 83.0 66.7 100.1

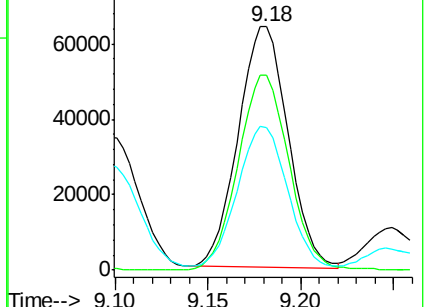
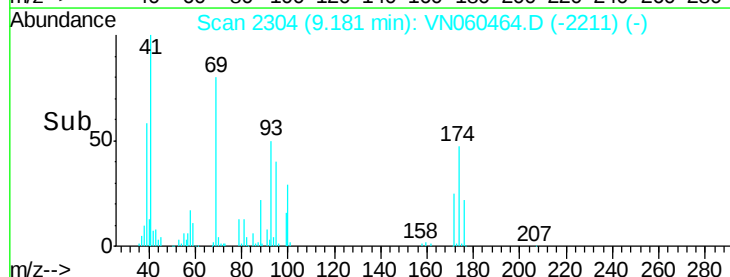
39 60.9 50.1 75.1

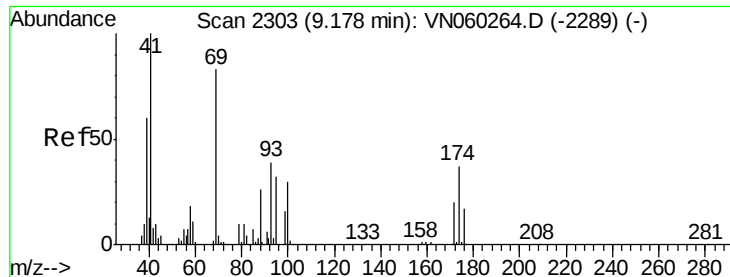


Abundance Ion 41.00 (40.70 to 41.70): VN060464.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060464.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060464.D (-2211) (-)





#49

1,4-Dioxane

Concen: 936.95 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

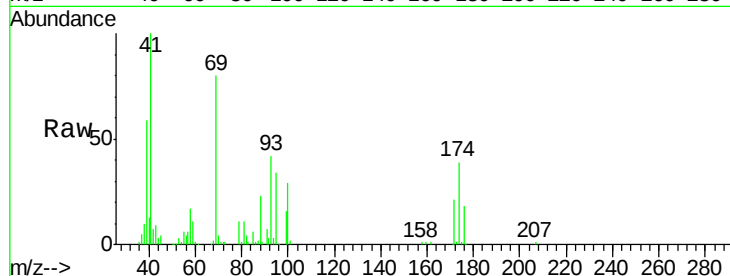
Tgt Ion: 88 Resp: 30761

Ion Ratio Lower Upper

88 100

43 36.9 30.4 45.6

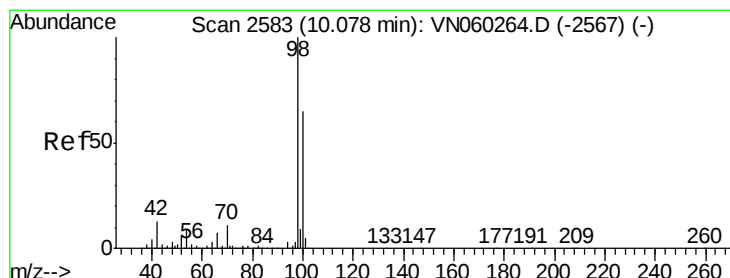
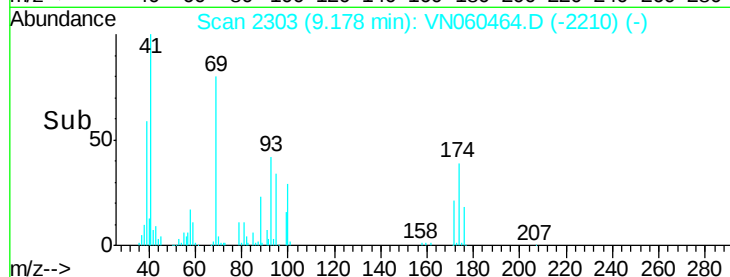
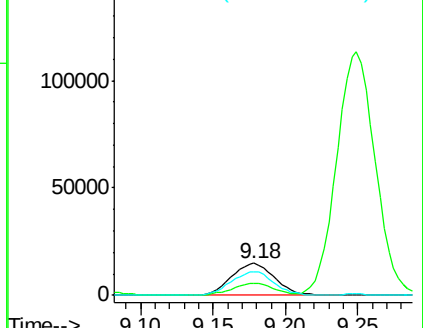
58 73.9 57.0 85.6



Abundance Ion 88.00 (87.70 to 88.70): VN060464.D (-2210) (-)

Ion 43.00 (42.70 to 43.70): VN060464.D (-2210) (-)

Ion 58.00 (57.70 to 58.70): VN060464.D (-2210) (-)



#50

Toluene-d8

Concen: 50.42 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060464.D

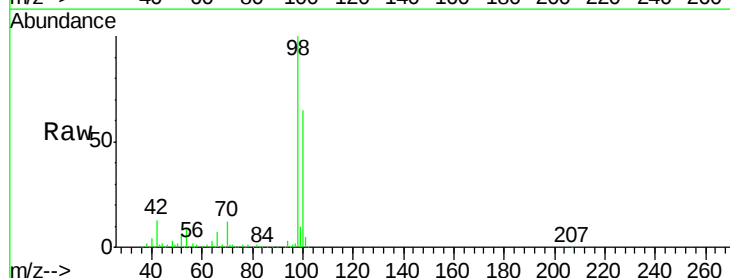
Acq: 12 Mar 2020 8:56

Tgt Ion: 98 Resp: 383815

Ion Ratio Lower Upper

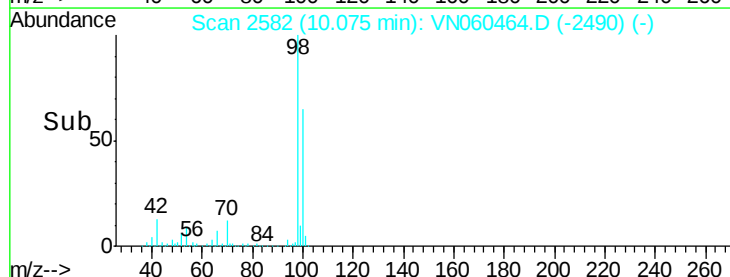
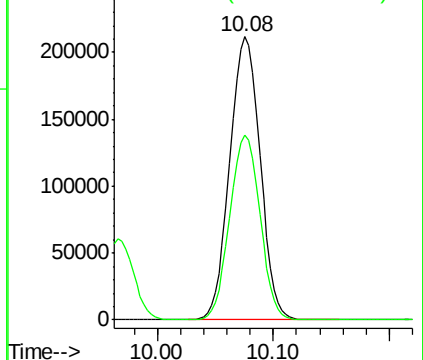
98 100

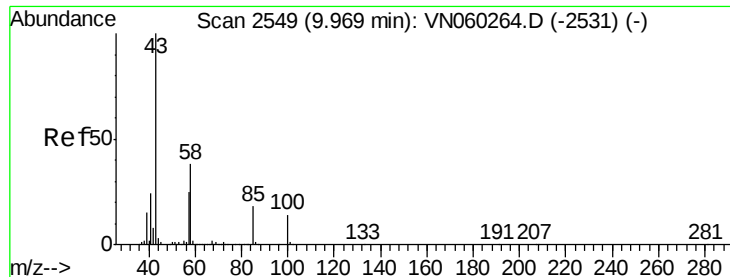
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060464.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060464.D (-2490) (-)

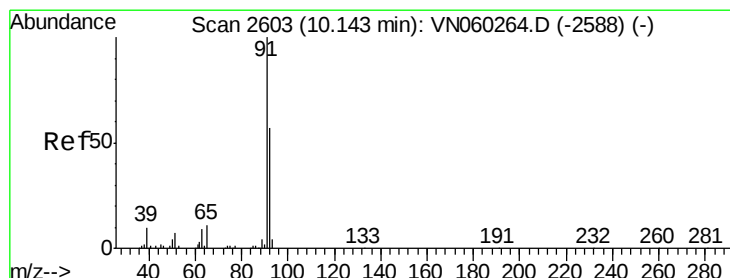
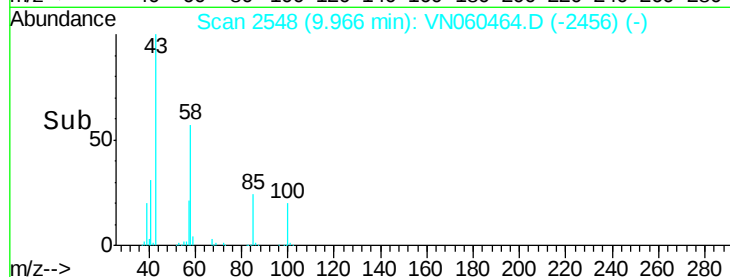
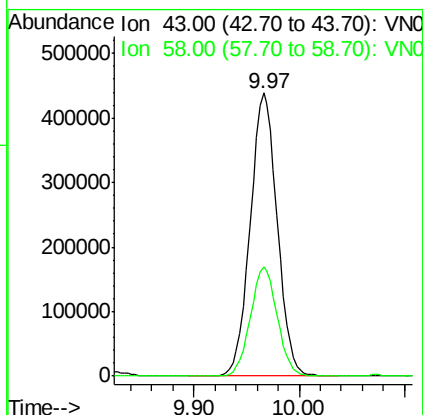
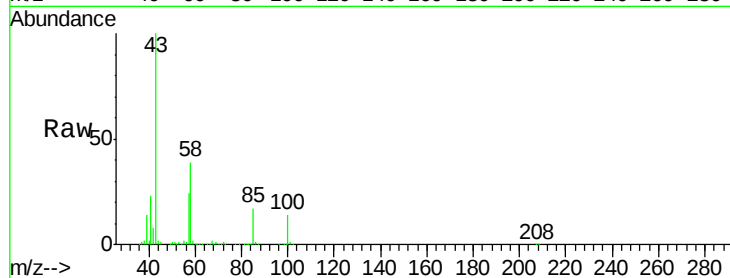




#51
 4-Methyl-2-Pentanone
 Concen: 269.21 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

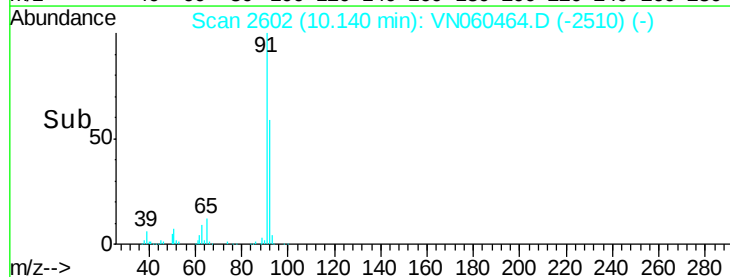
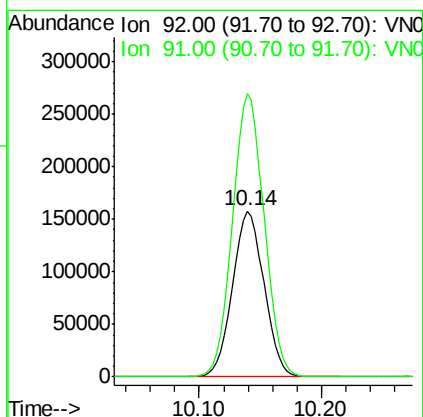
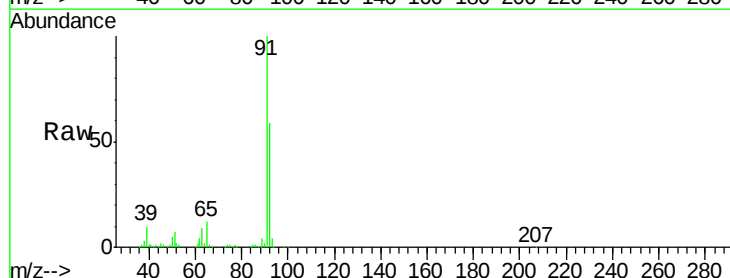
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

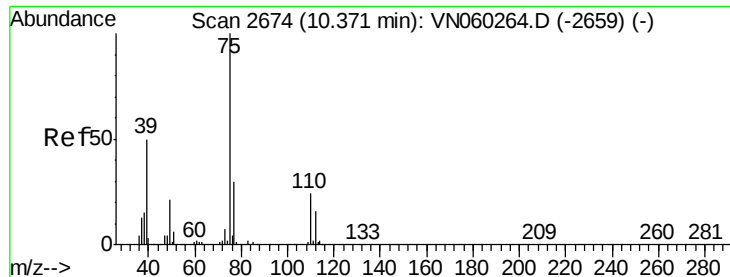
Tgt Ion: 43 Resp: 781458
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 50.03 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion: 92 Resp: 282482
 Ion Ratio Lower Upper
 92 100
 91 171.7 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 50.71 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

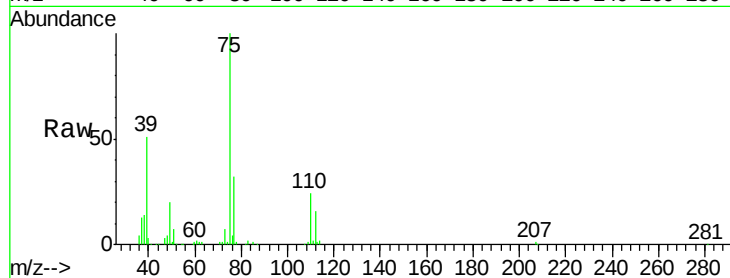
VSTDCCC050

Tgt Ion: 75 Resp: 192731

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

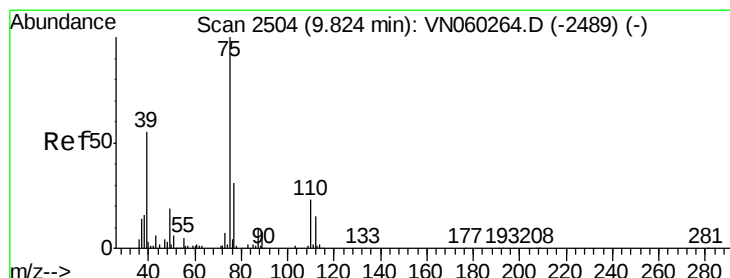
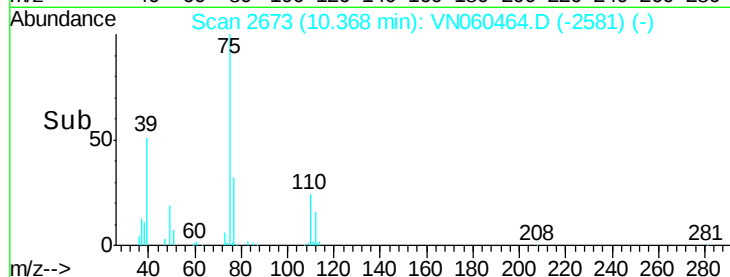
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.20 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

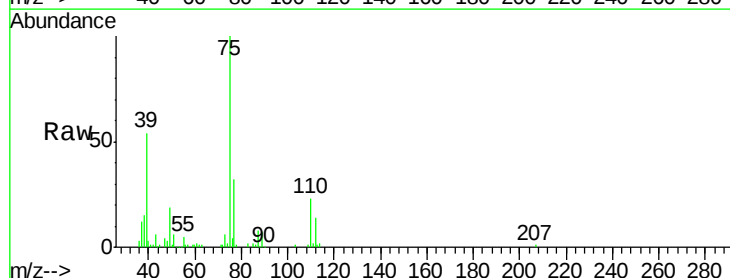
Tgt Ion: 75 Resp: 201644

Ion Ratio Lower Upper

75 100

77 32.2 24.8 37.2

39 54.3 43.8 65.8



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

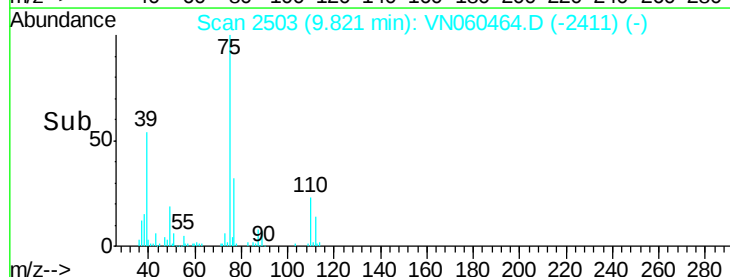
150000

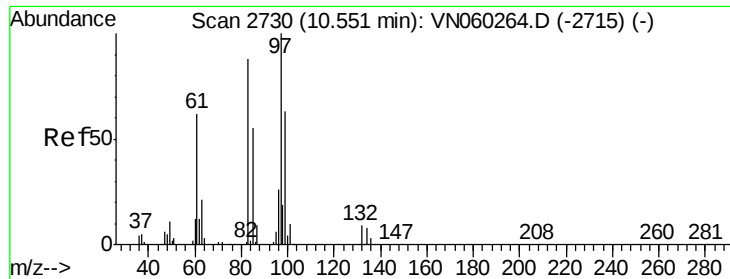
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.51 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 114687

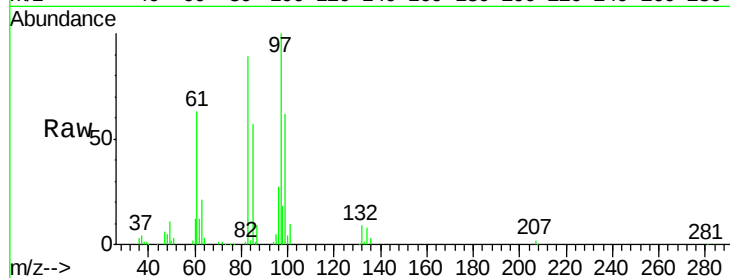
Ion Ratio Lower Upper

97 100

83 89.4 70.0 105.0

85 57.4 44.0 66.0

99 61.9 50.4 75.6

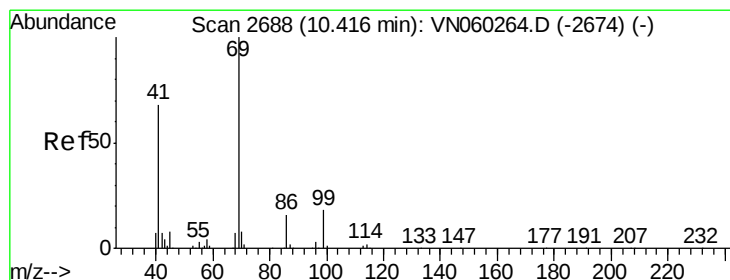
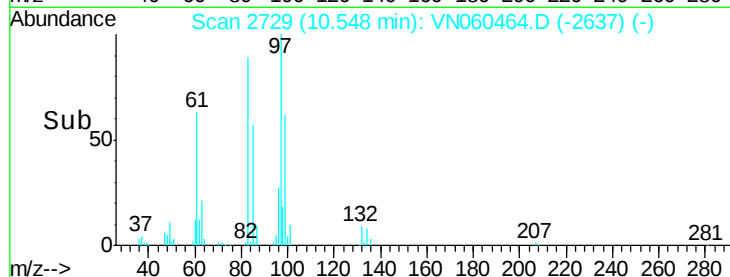
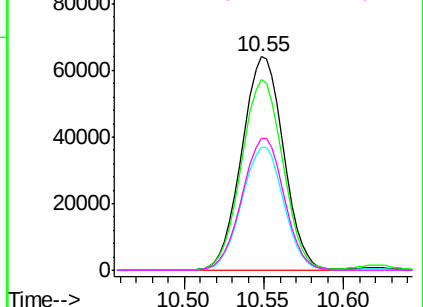


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 54.12 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

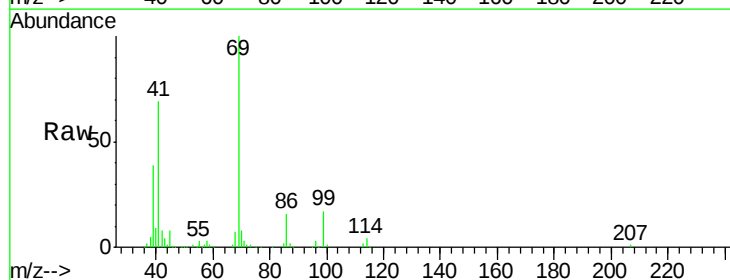
Tgt Ion: 69 Resp: 176543

Ion Ratio Lower Upper

69 100

41 69.1 54.1 81.1

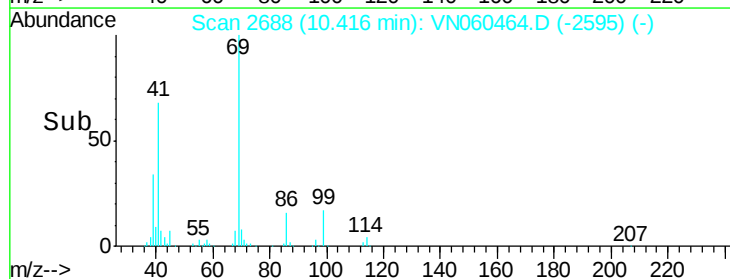
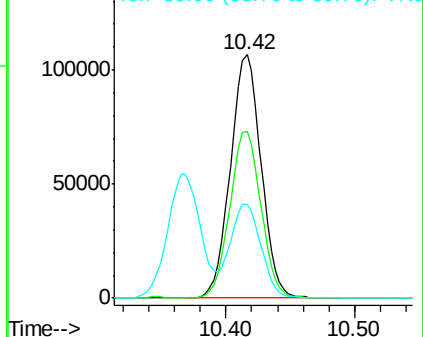
39 38.5 32.5 48.7

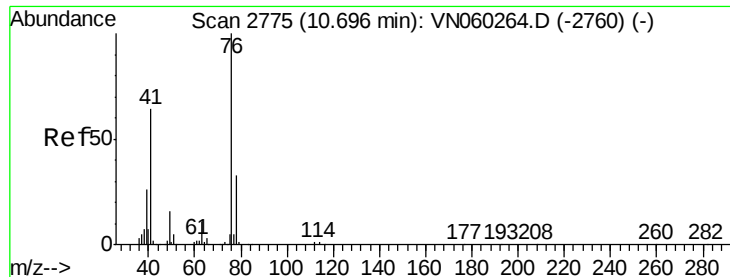


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.30 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

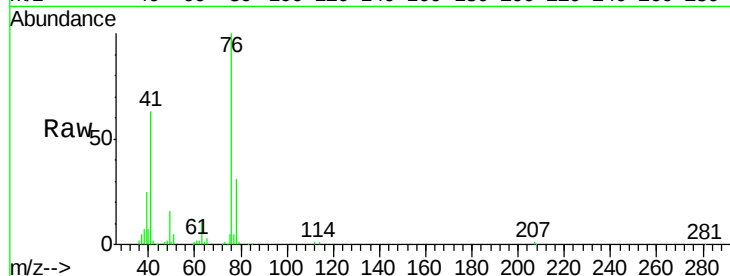
VSTDCCC050

Tgt Ion: 76 Resp: 197367

Ion Ratio Lower Upper

76 100

78 31.8 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

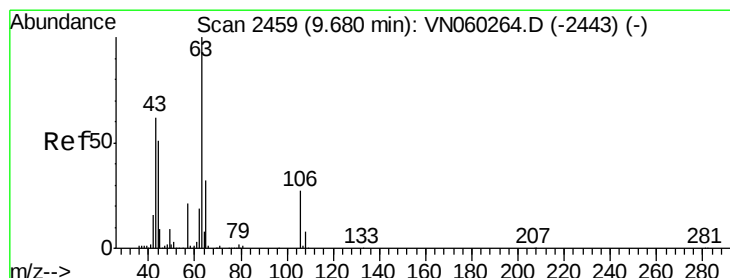
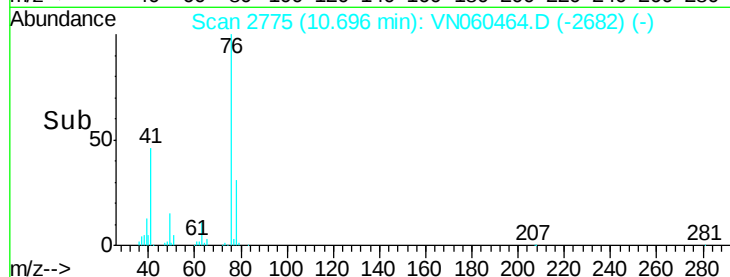
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 270.76 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060464.D

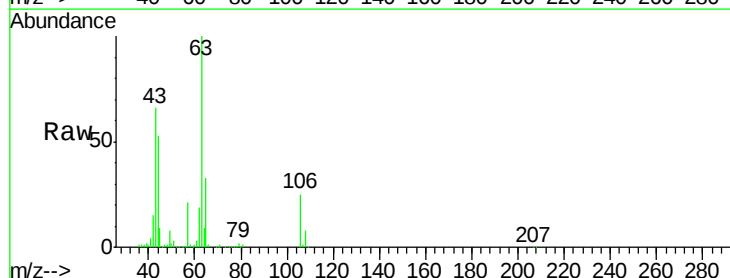
Acq: 12 Mar 2020 8:56

Tgt Ion: 63 Resp: 461965

Ion Ratio Lower Upper

63 100

106 25.5 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

300000

250000

200000

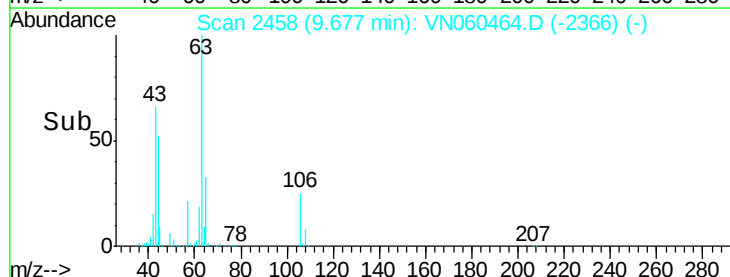
150000

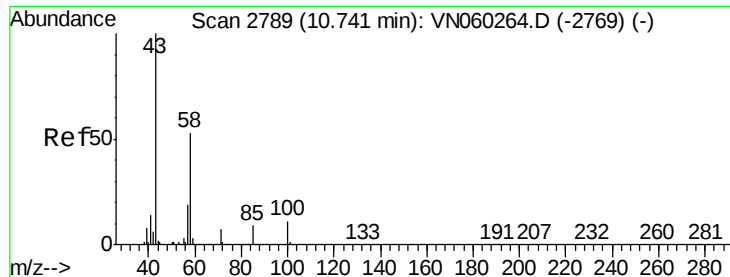
100000

50000

0

Time--> 9.60 9.70 9.80

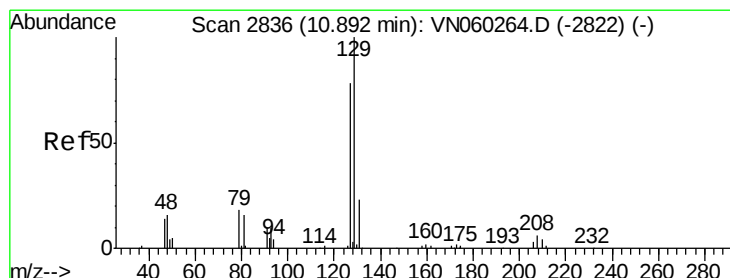
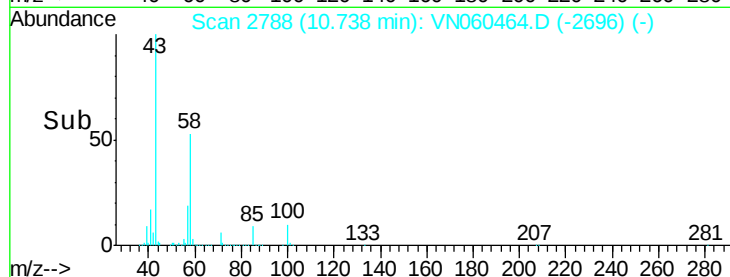
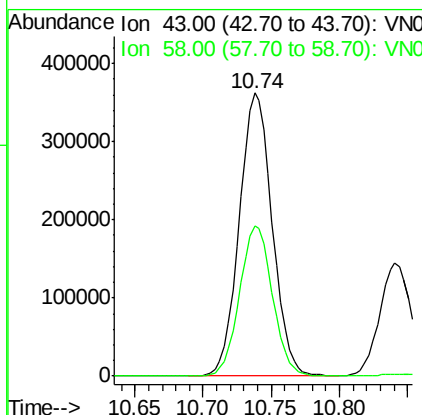
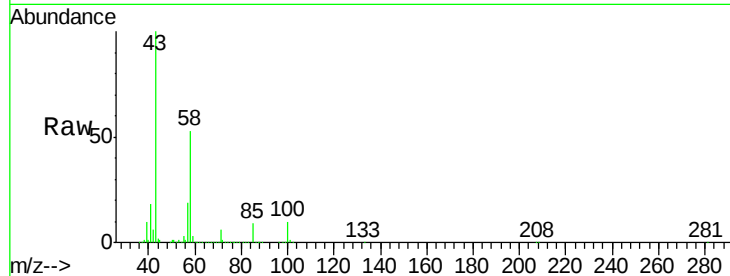




#59
2-Hexanone
Concen: 283.89 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

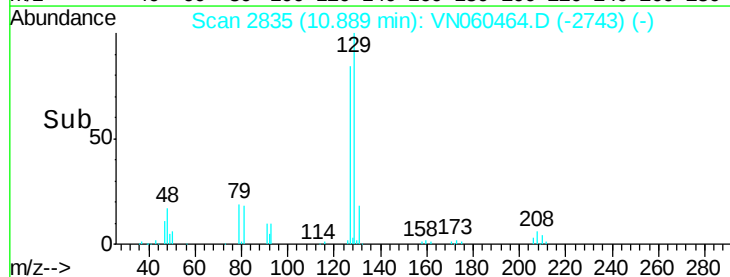
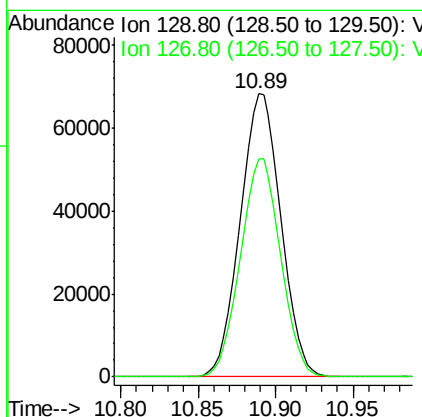
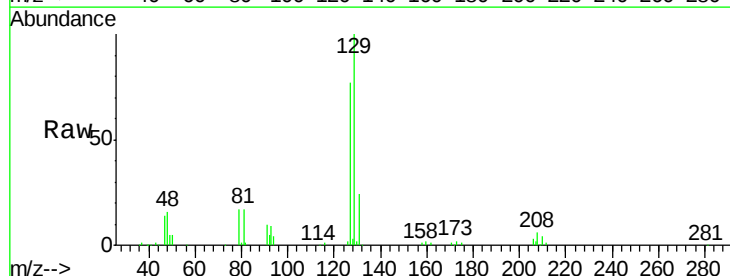
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

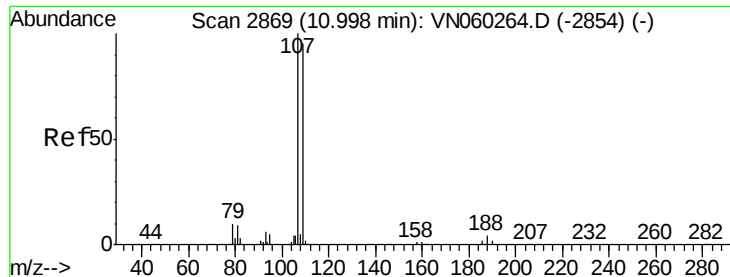
Tgt Ion: 43 Resp: 605041
Ion Ratio Lower Upper
43 100
58 53.1 26.5 79.5



#60
Dibromochloromethane
Concen: 54.17 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 129 Resp: 125095
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.7





#61

1,2-Dibromoethane

Concen: 51.66 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

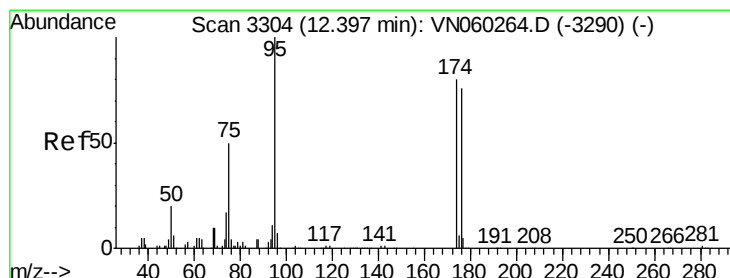
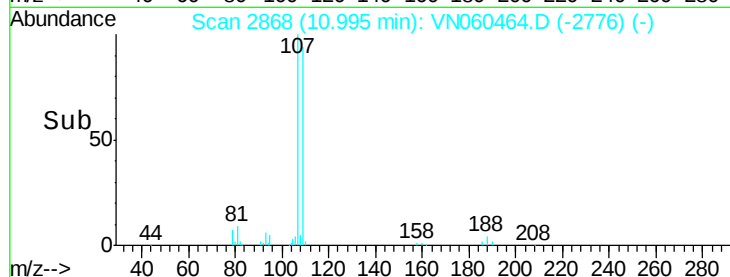
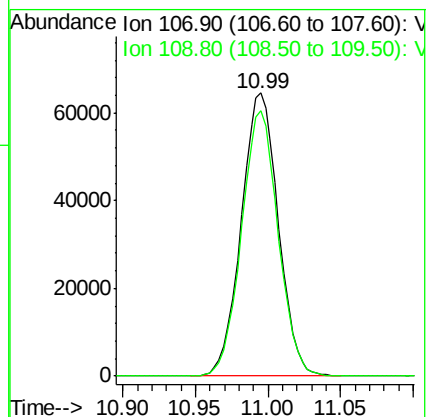
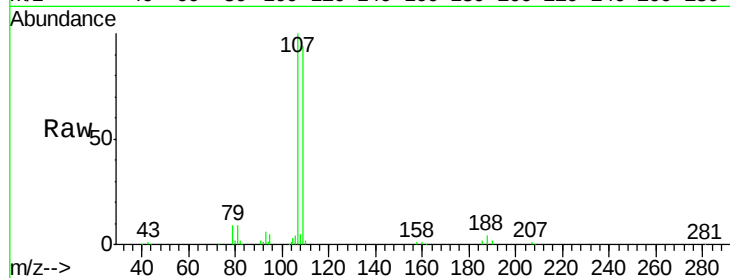
VSTDCCC050

Tgt Ion: 107 Resp: 114362

Ion Ratio Lower Upper

107 100

109 92.9 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 51.49 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

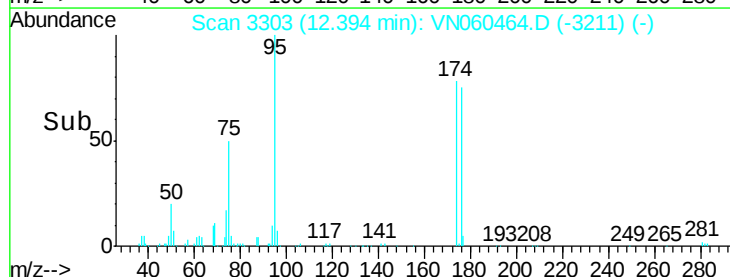
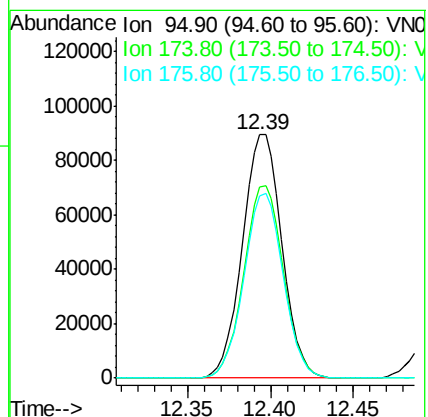
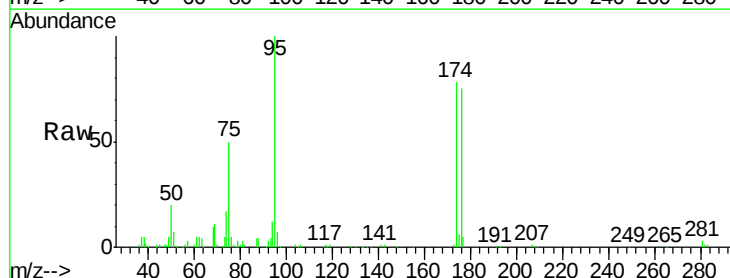
Tgt Ion: 95 Resp: 148594

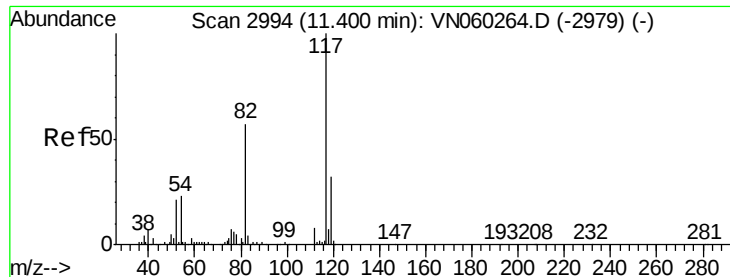
Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.2

176 75.6 0.0 153.8

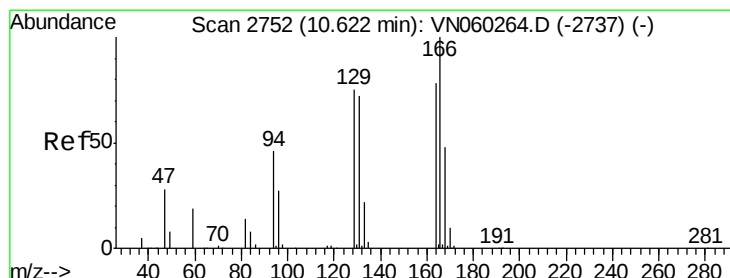
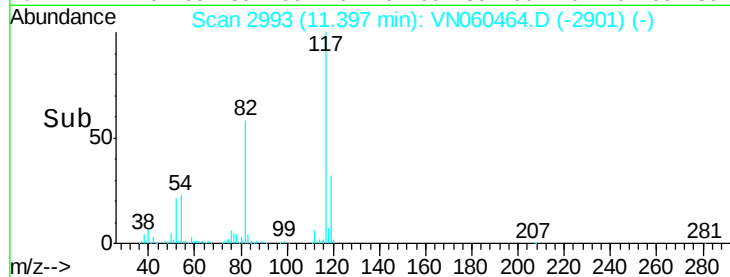
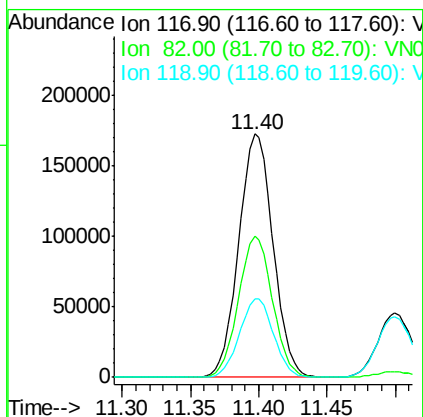
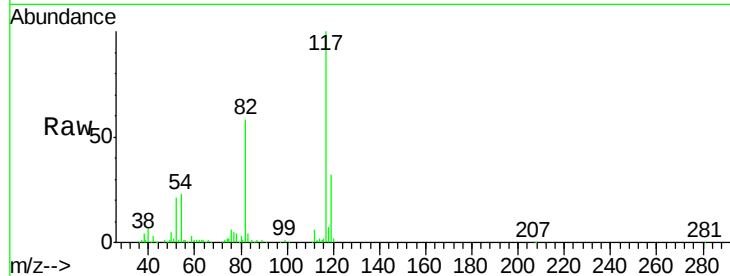




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

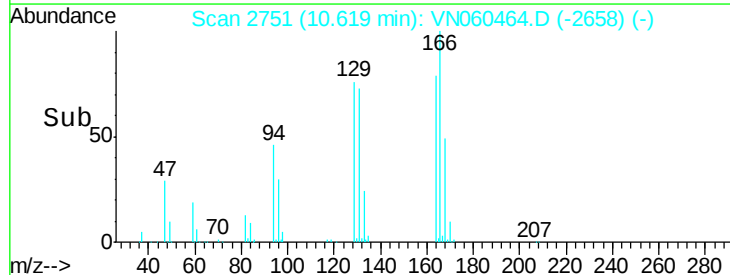
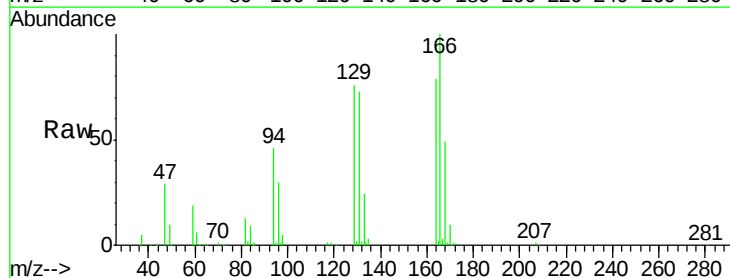
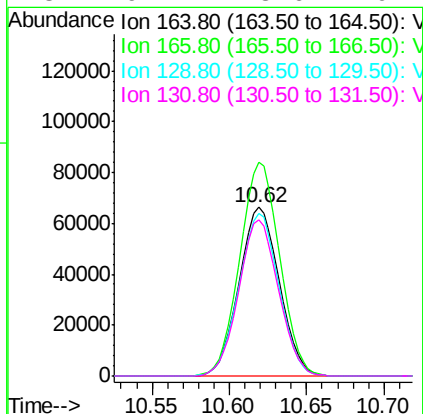
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

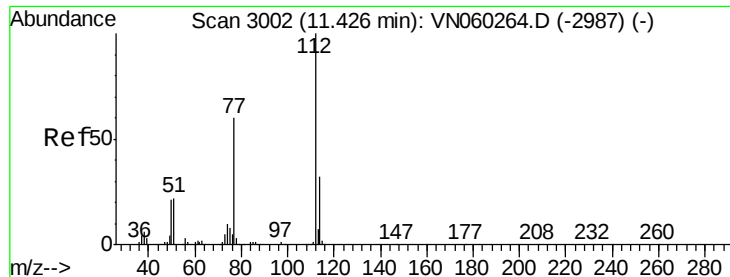
Tgt Ion:117 Resp: 302373
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.6
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 50.58 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion:164 Resp: 120381
Ion Ratio Lower Upper
164 100
166 126.5 102.0 153.0
129 96.2 76.4 114.6
131 92.7 73.6 110.4

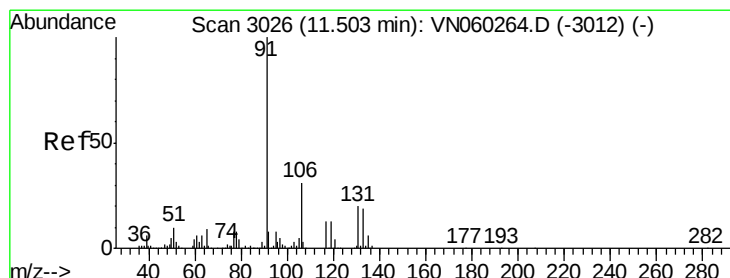
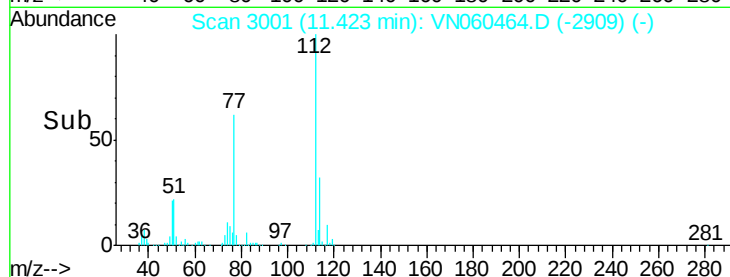
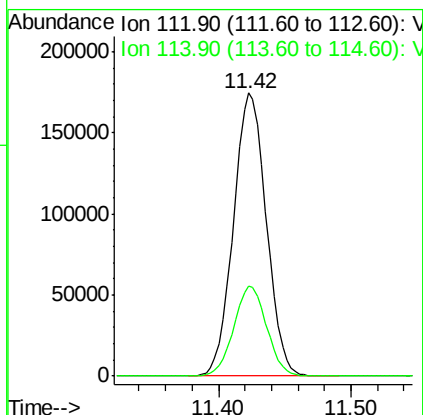
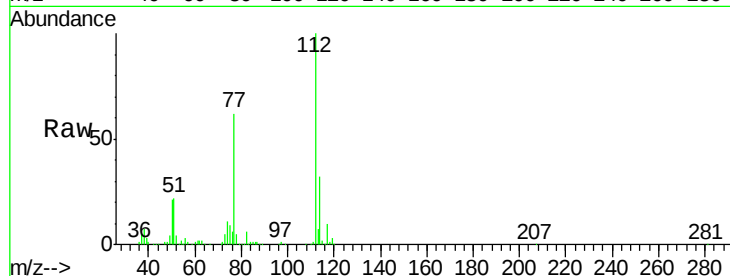




#65
Chlorobenzene
Concen: 49.14 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

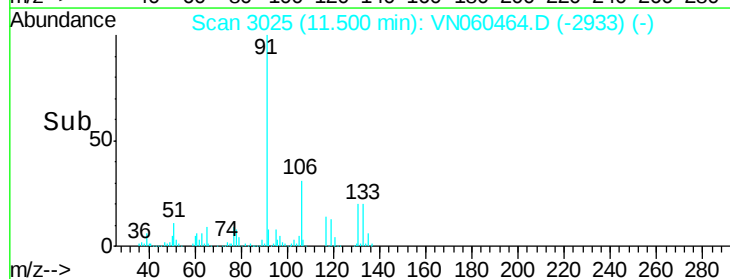
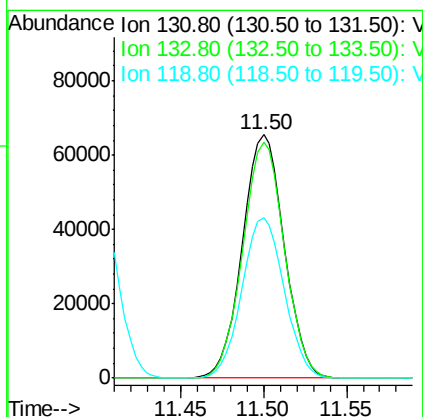
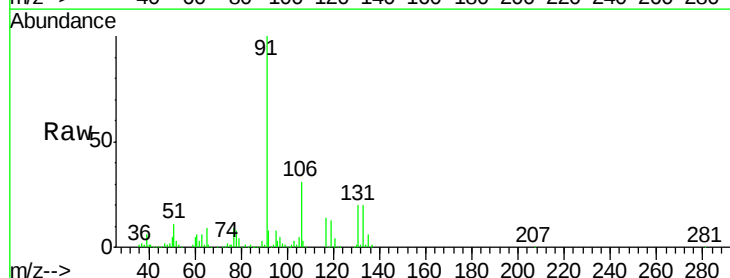
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

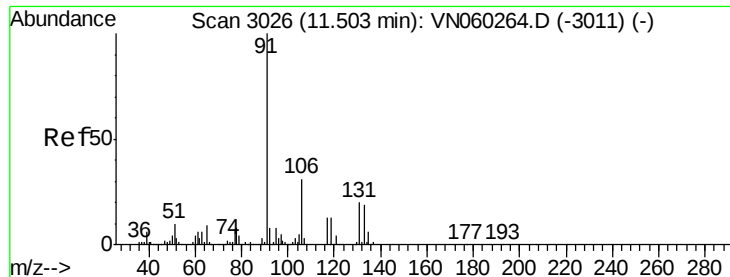
Tgt Ion:112 Resp: 300052
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 50.75 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion:131 Resp: 114566
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 50.19 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

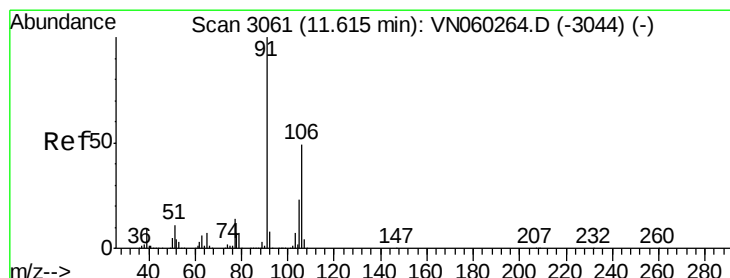
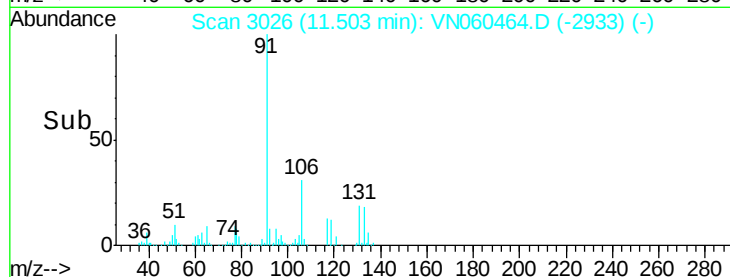
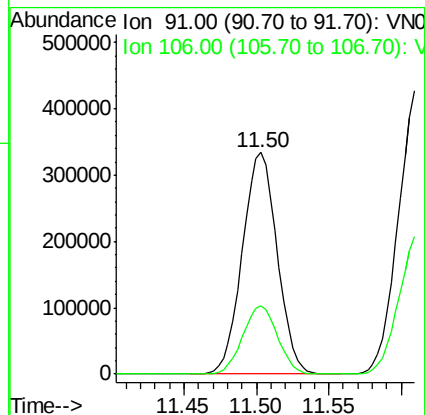
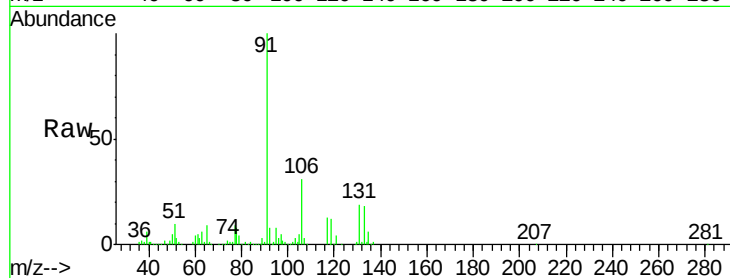
VSTDCCC050

Tgt Ion: 91 Resp: 558033

Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



#68

m/p-Xylenes

Concen: 98.22 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060464.D

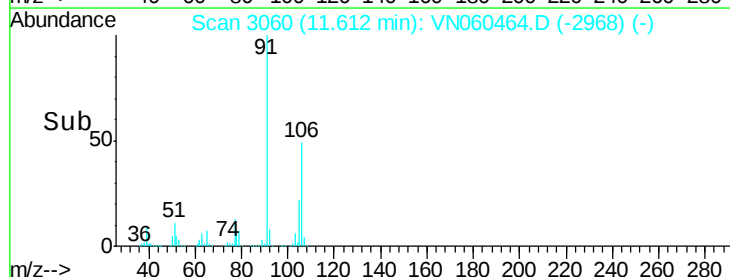
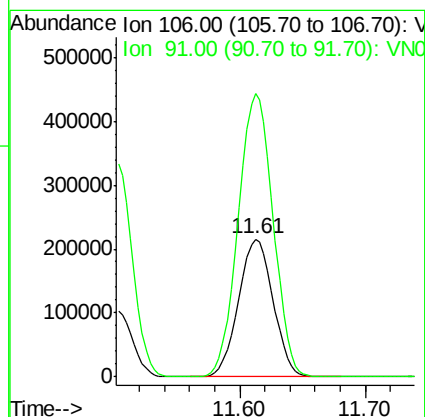
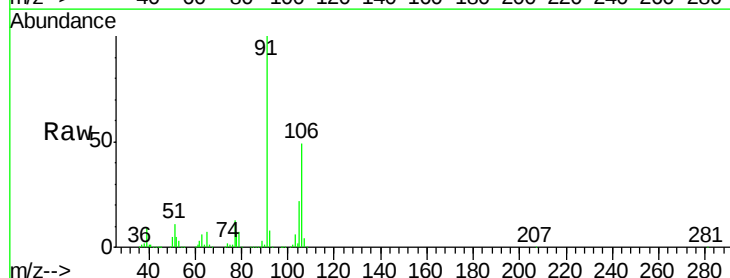
Acq: 12 Mar 2020 8:56

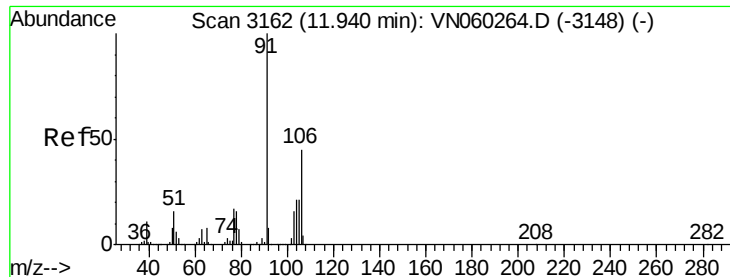
Tgt Ion: 106 Resp: 412031

Ion Ratio Lower Upper

106 100

91 207.5 164.5 246.7

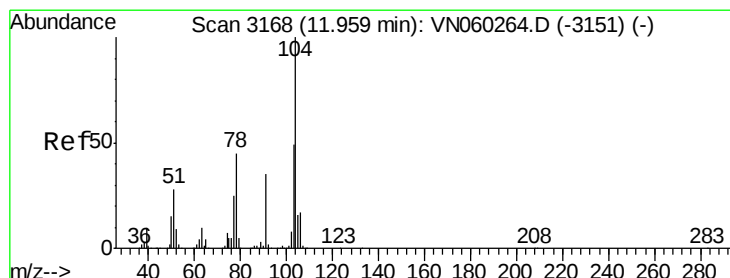
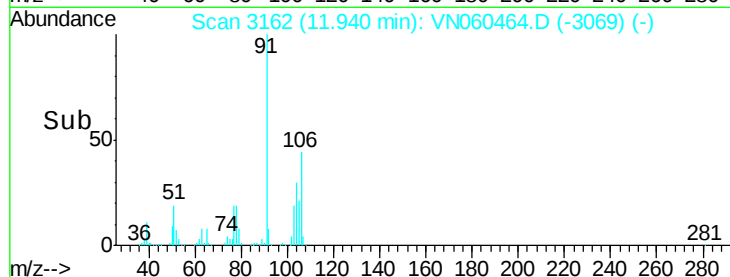
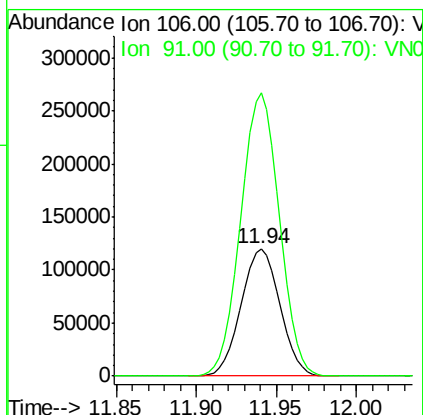
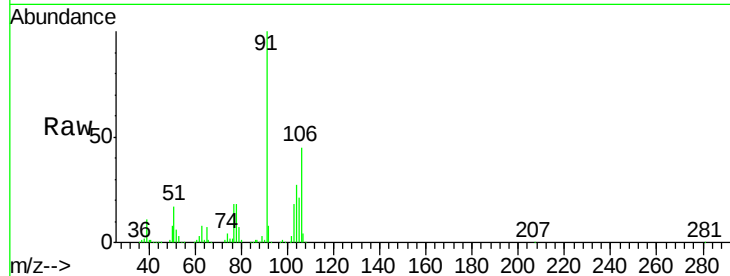




#69
o-Xylene
Concen: 49.58 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

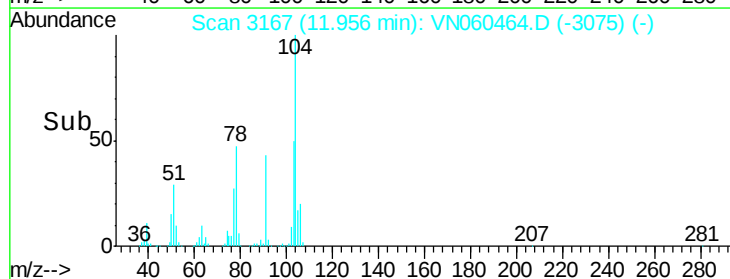
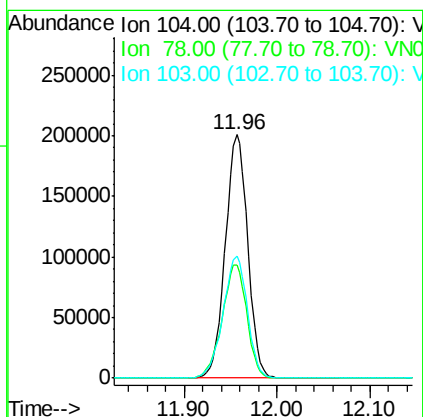
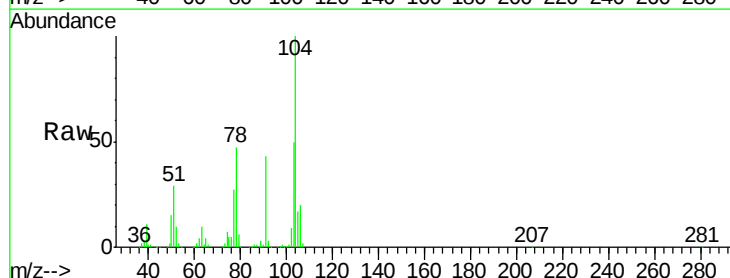
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

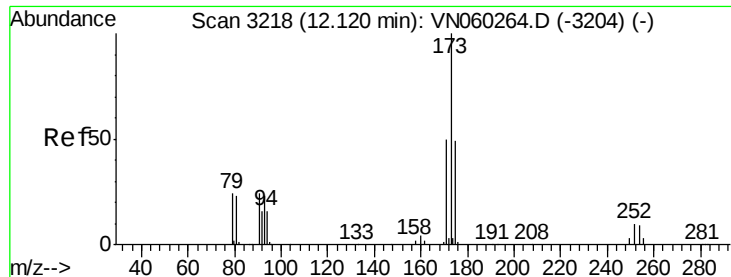
Tgt Ion:106 Resp: 198339
Ion Ratio Lower Upper
106 100
91 221.6 109.5 328.4



#70
Styrene
Concen: 51.26 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion:104 Resp: 337113
Ion Ratio Lower Upper
104 100
78 51.3 41.2 61.8
103 54.6 43.9 65.9

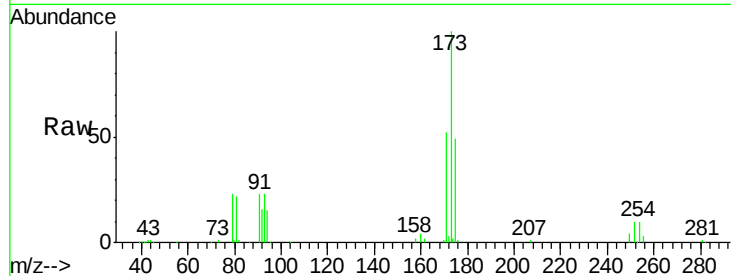




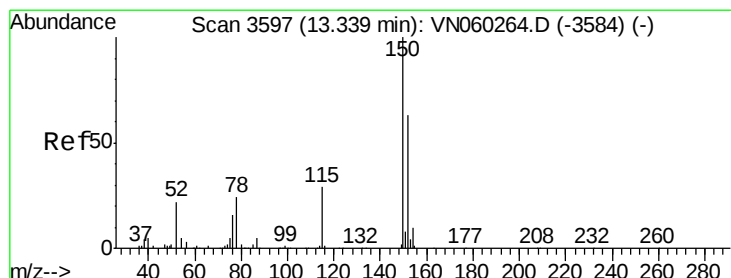
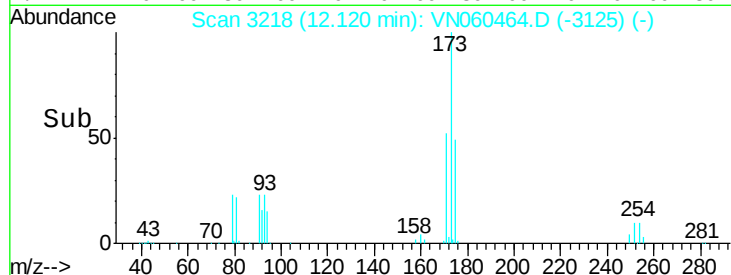
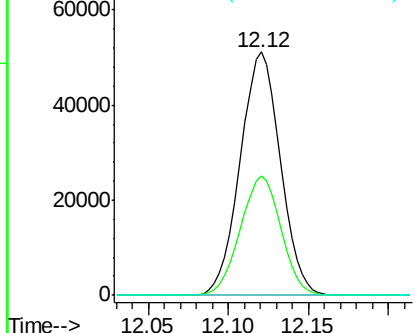
#71
Bromoform
Concen: 54.02 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 87885
Ion Ratio Lower Upper
173 100
175 49.5 24.1 72.2
254 0.0 0.0 0.0

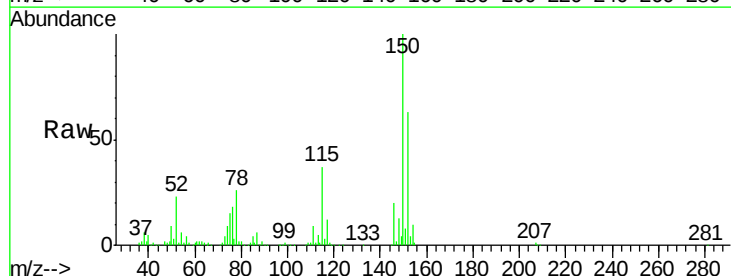


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

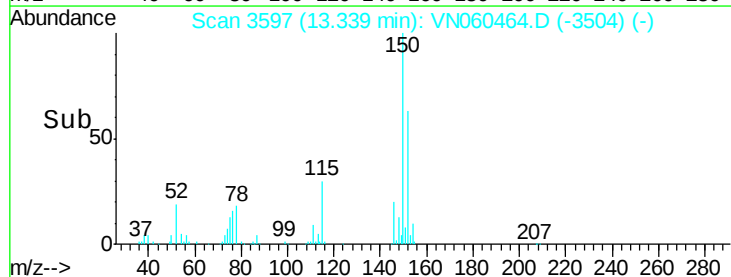
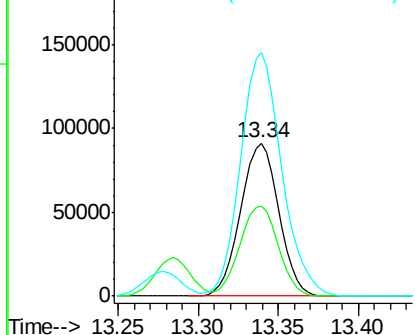


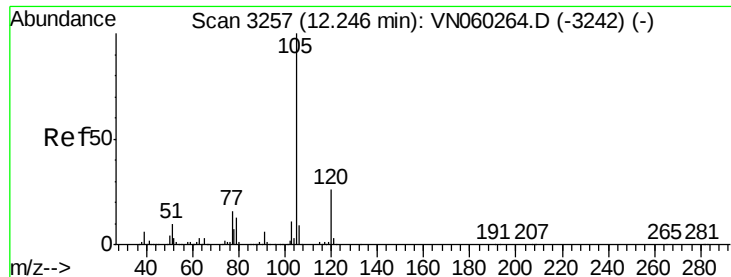
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion:152 Resp: 148183
Ion Ratio Lower Upper
152 100
115 59.7 30.0 90.0
150 172.3 0.0 349.6



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





#73

Isopropylbenzene

Concen: 49.48 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

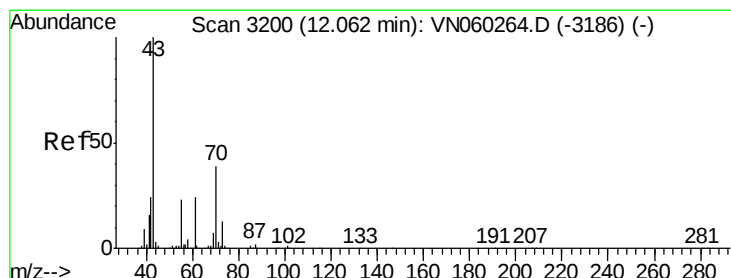
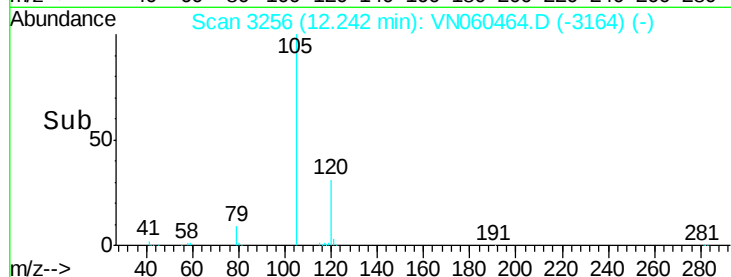
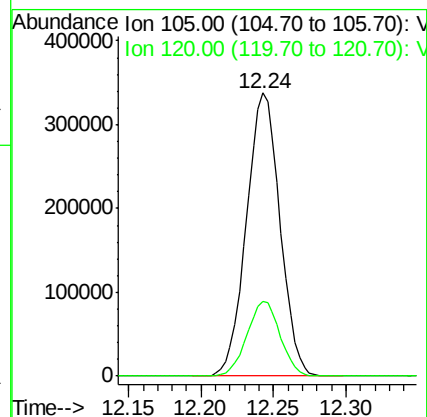
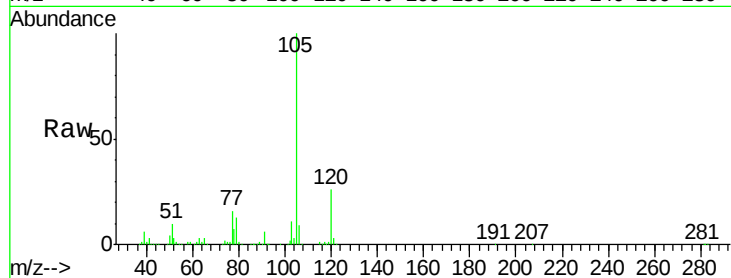
VSTDCCC050

Tgt Ion: 105 Resp: 543392

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 50.77 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Tgt Ion: 43 Resp: 243645

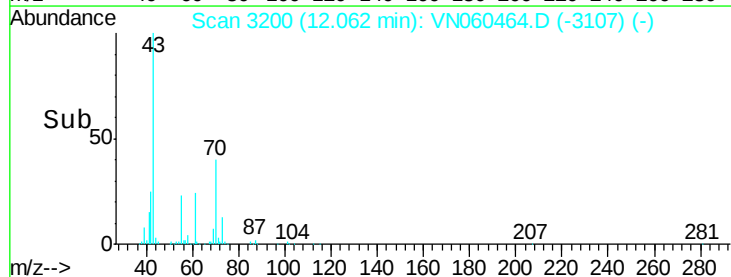
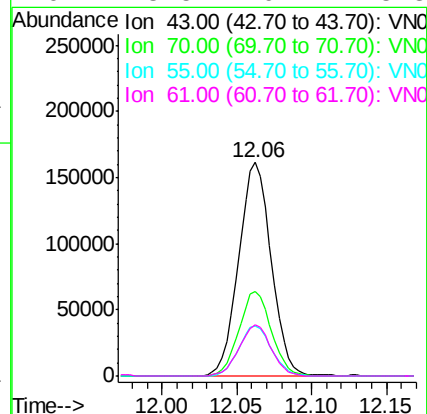
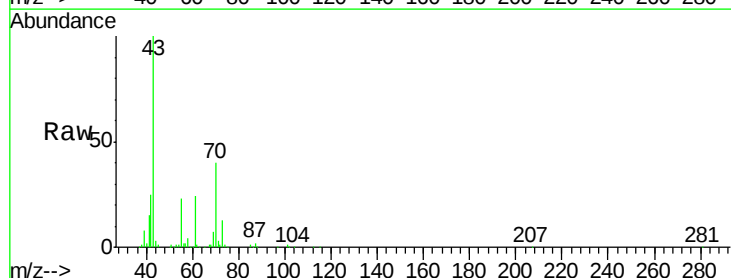
Ion Ratio Lower Upper

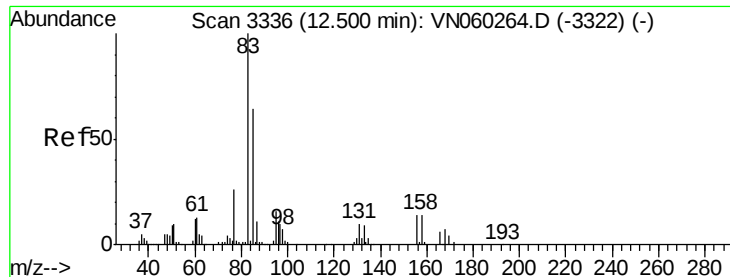
43 100

70 39.6 32.2 48.2

55 23.7 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.29 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

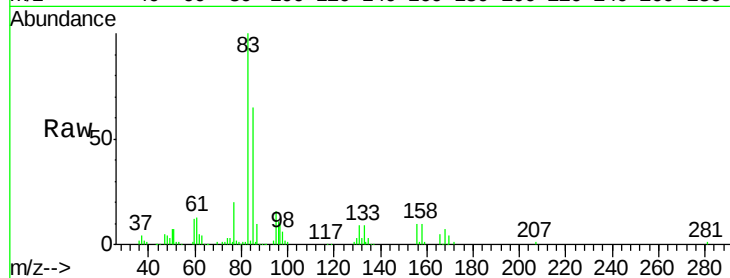
Tgt Ion: 83 Resp: 159110

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

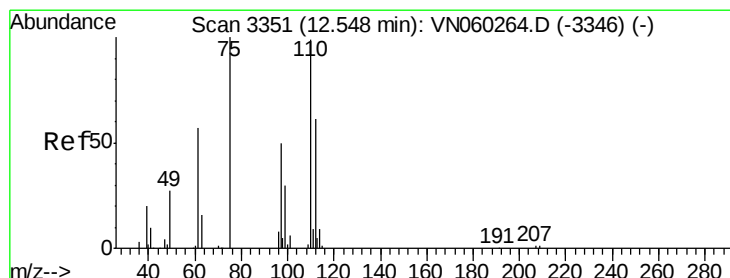
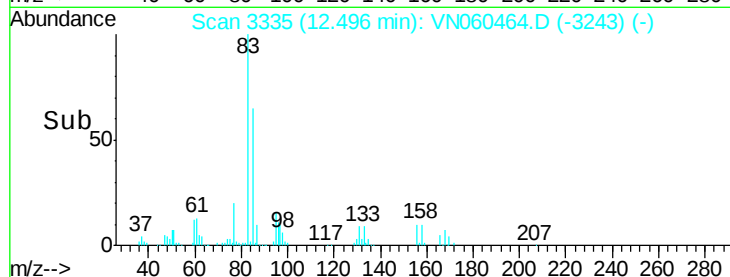
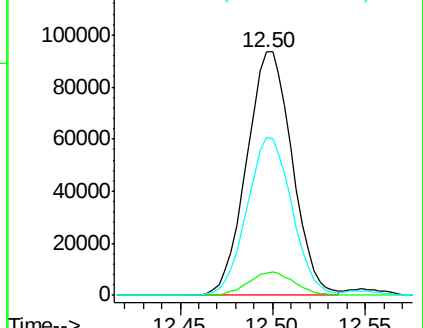
85 63.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060464.D (-3336) (-)

Ion 130.80 (130.50 to 131.50): VN060464.D (-3336) (-)

Ion 84.90 (84.60 to 85.60): VN060464.D (-3336) (-)



#76

1,2,3-Trichloropropane

Concen: 68.06 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060464.D

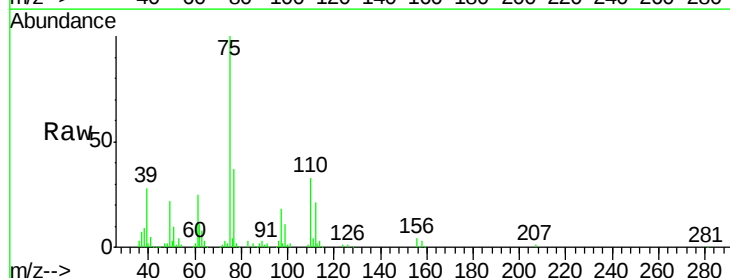
Acq: 12 Mar 2020 8:56

Tgt Ion: 75 Resp: 221281

Ion Ratio Lower Upper

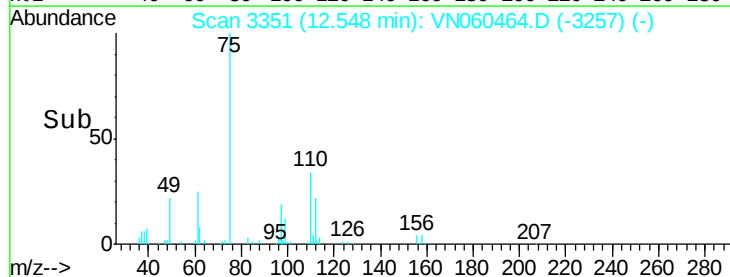
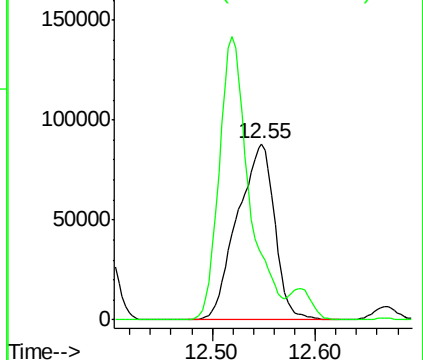
75 100

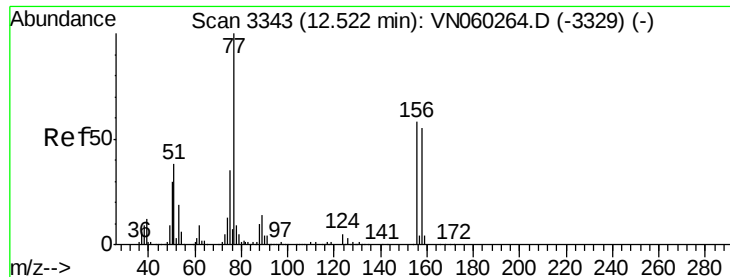
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060464.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060464.D (-3351) (-)





#77

Bromobenzene

Concen: 48.57 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

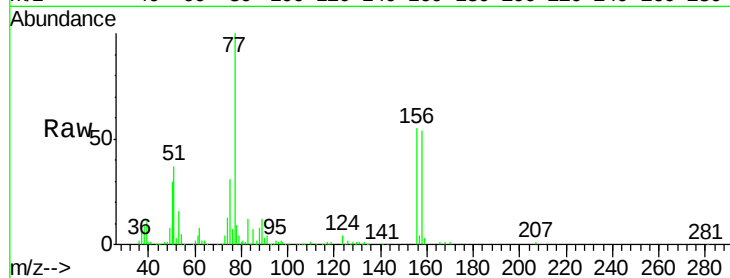
Tgt Ion:156 Resp: 130751

Ion Ratio Lower Upper

156 100

77 219.4 106.1 318.3

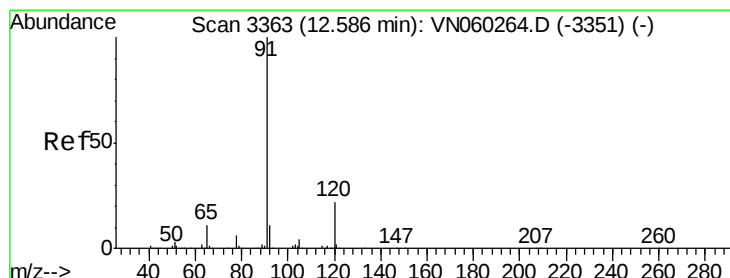
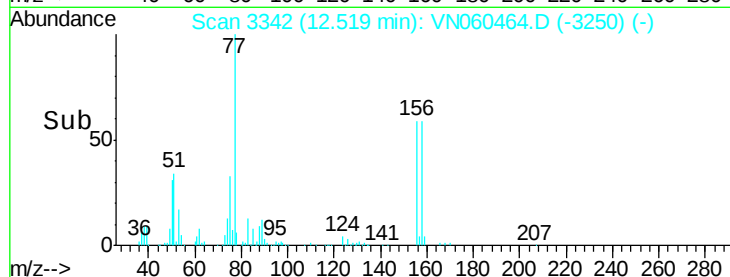
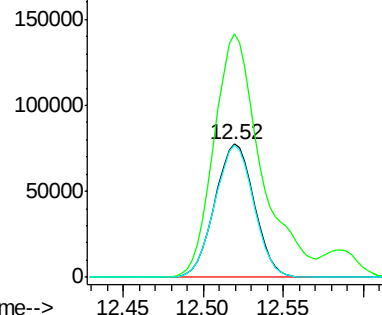
158 98.1 48.3 144.8



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: 49.98 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN060464.D

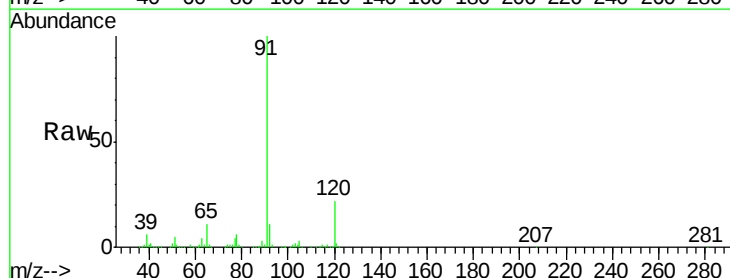
Acq: 12 Mar 2020 8:56

Tgt Ion: 91 Resp: 643415

Ion Ratio Lower Upper

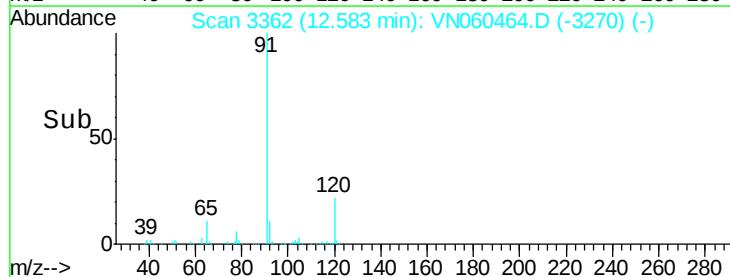
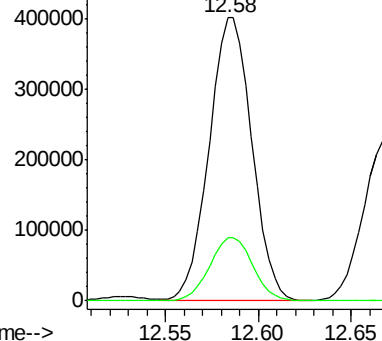
91 100

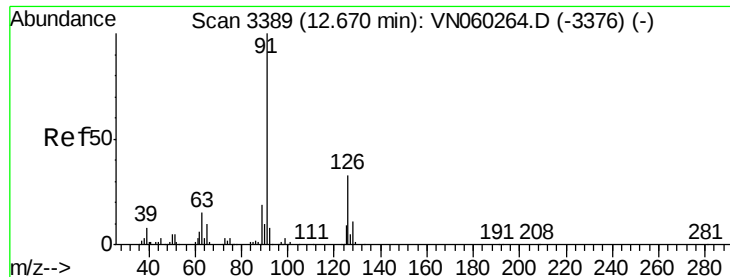
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.31 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

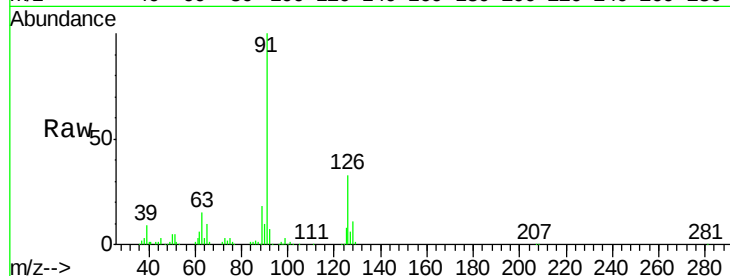
VSTDCCC050

Tgt Ion: 91 Resp: 373130

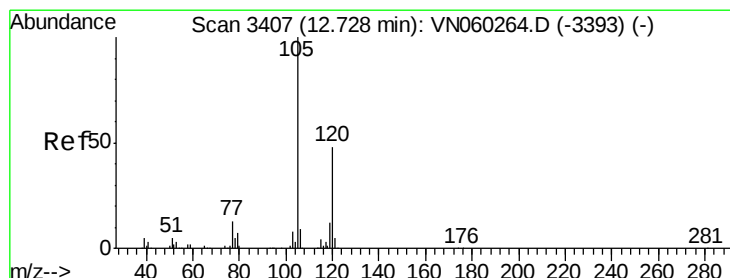
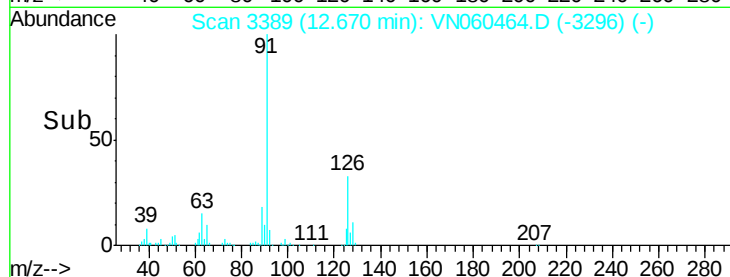
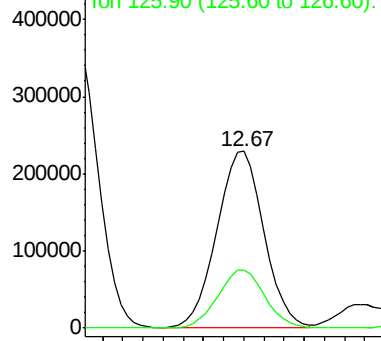
Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060464.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.90 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060464.D

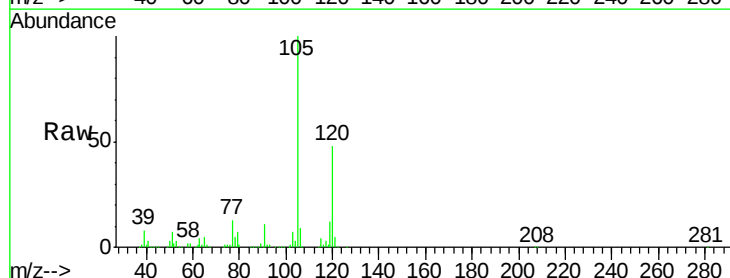
Acq: 12 Mar 2020 8:56

Tgt Ion: 105 Resp: 461435

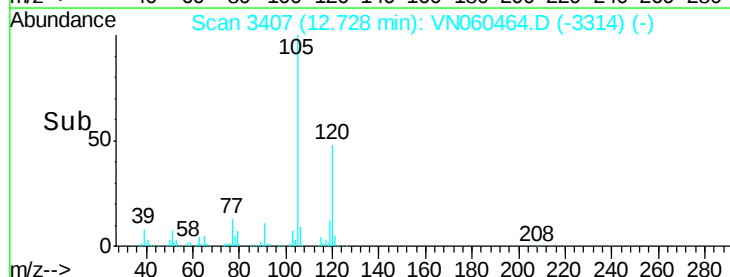
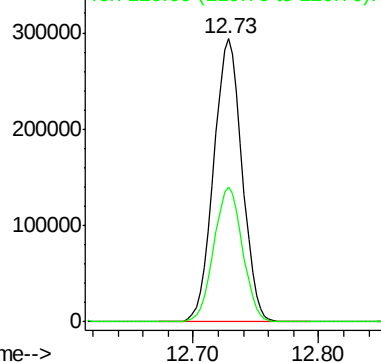
Ion Ratio Lower Upper

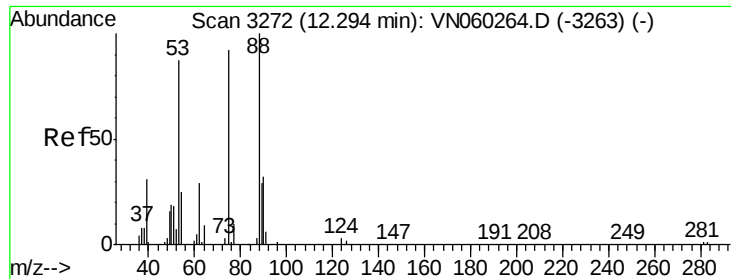
105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060464.D (-3393) (-)

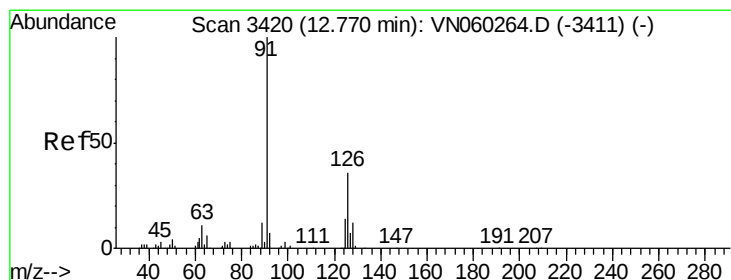
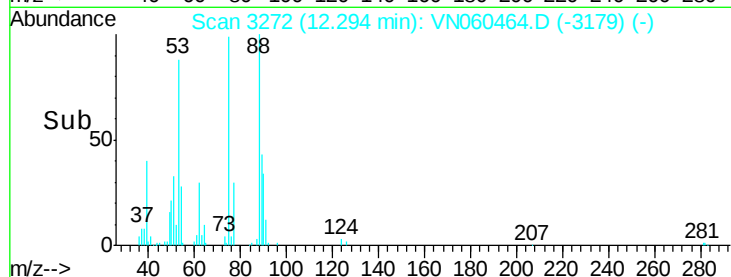
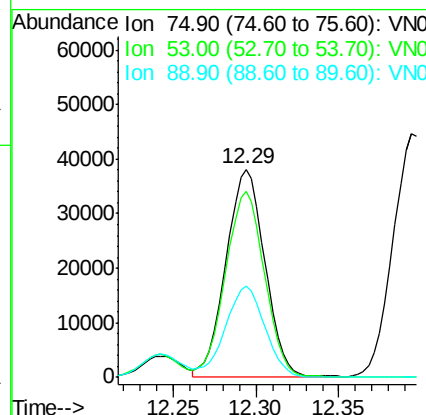
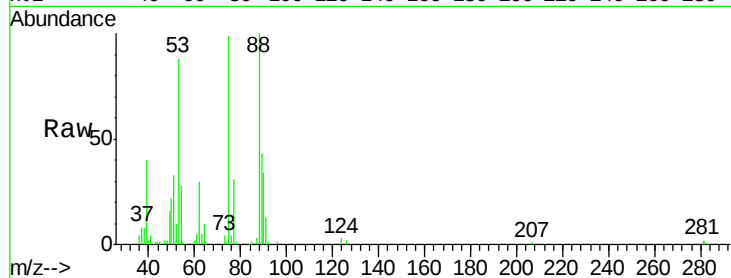




#81
trans-1,4-Dichloro-2-butene
Concen: 53.03 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

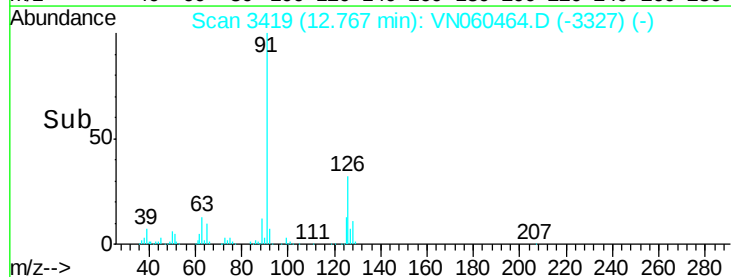
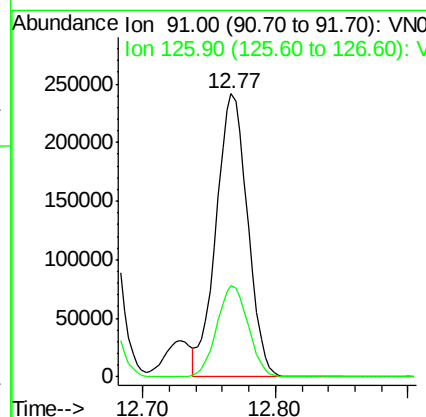
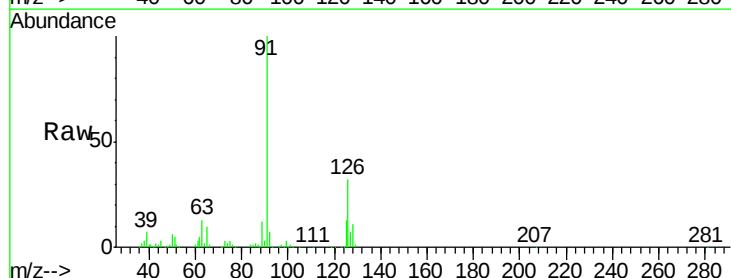
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

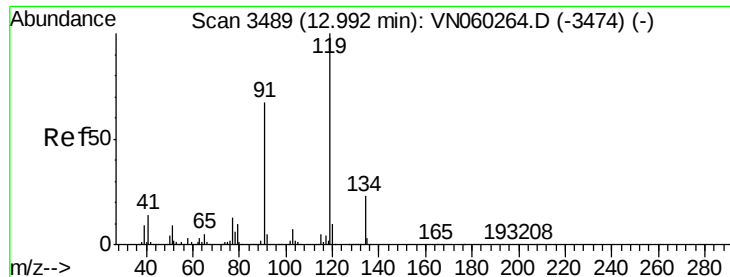
Tgt Ion: 75 Resp: 62458
Ion Ratio Lower Upper
75 100
53 89.9 73.8 110.6
89 44.0 57.1 85.7#



#82
4-Chlorotoluene
Concen: 49.87 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 91 Resp: 397612
Ion Ratio Lower Upper
91 100
126 32.2 16.7 50.1

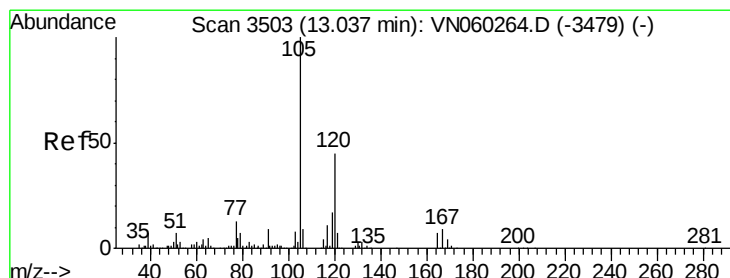
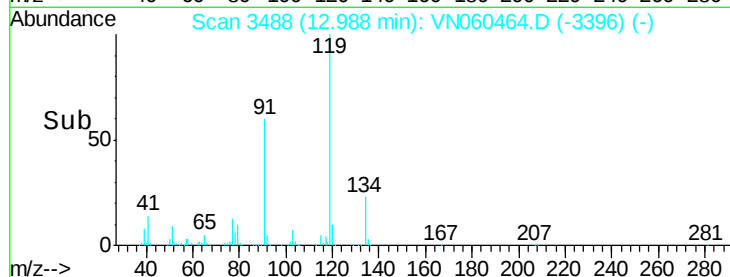
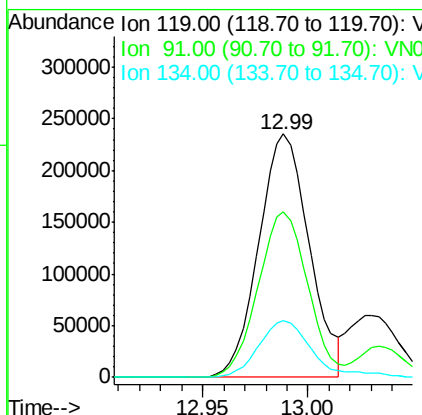
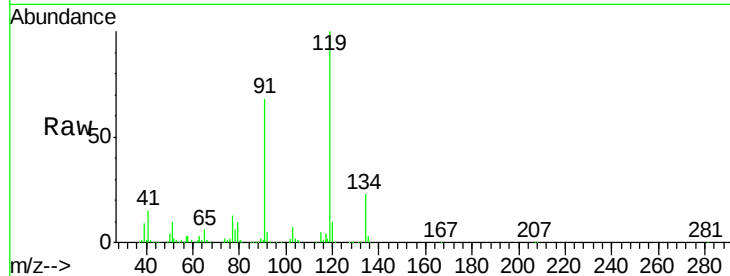




#83
 tert-Butylbenzene
 Concen: 49.03 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

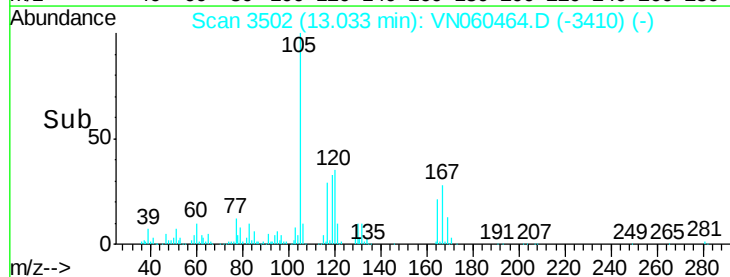
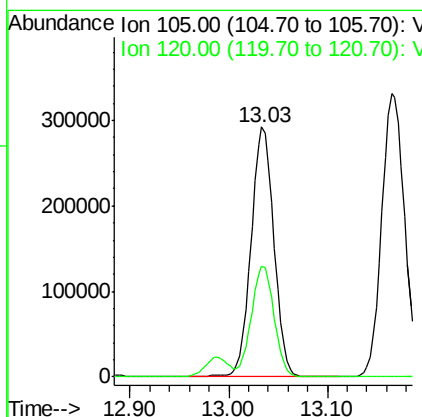
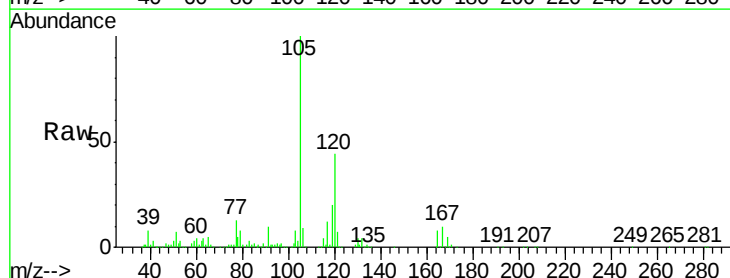
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

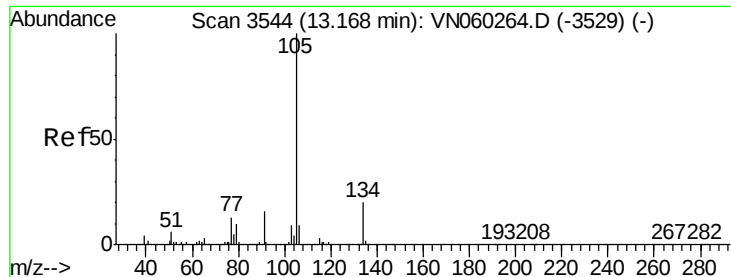
Tgt Ion:119 Resp: 392580
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.1 99.2
 134 24.8 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 49.77 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion:105 Resp: 464537
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.3 66.9

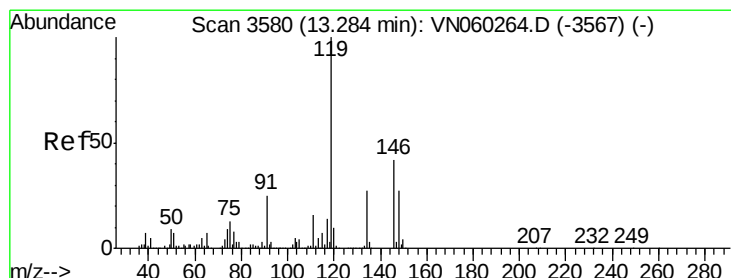
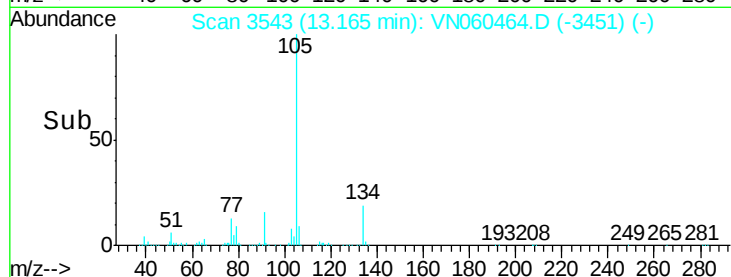
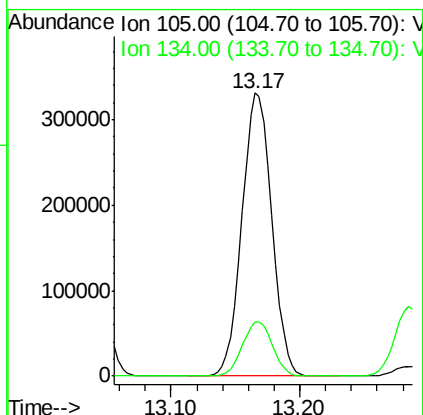
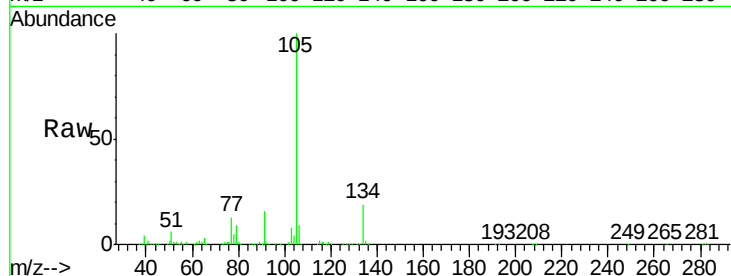




#85
 sec-Butylbenzene
 Concen: 49.68 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

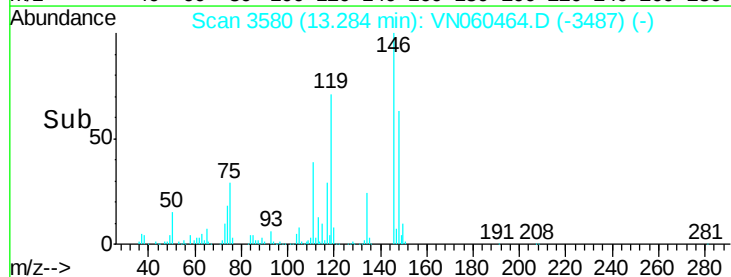
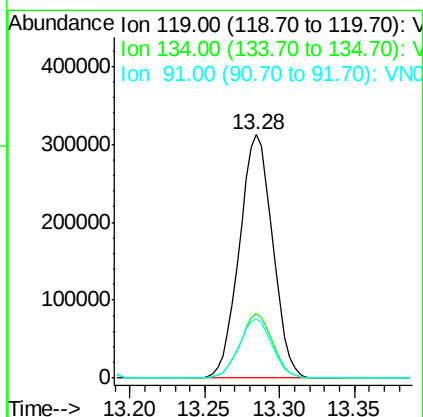
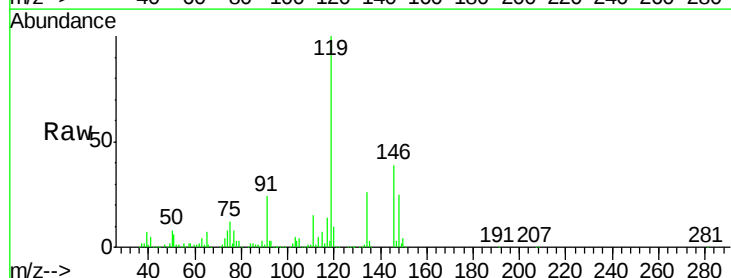
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

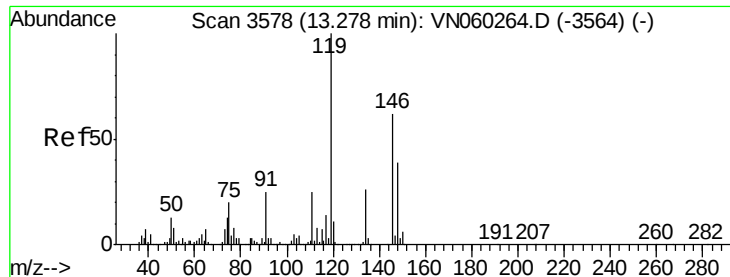
Tgt Ion:105 Resp: 532607
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 48.63 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion:119 Resp: 482559
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.3 12.2 36.6

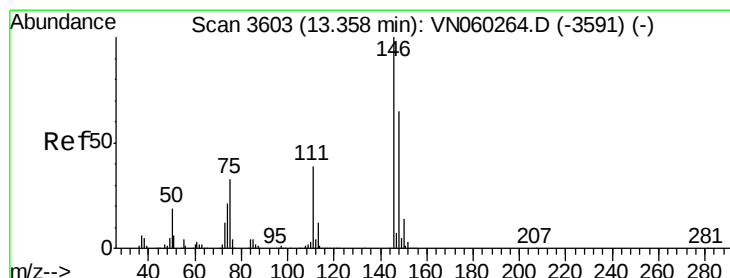
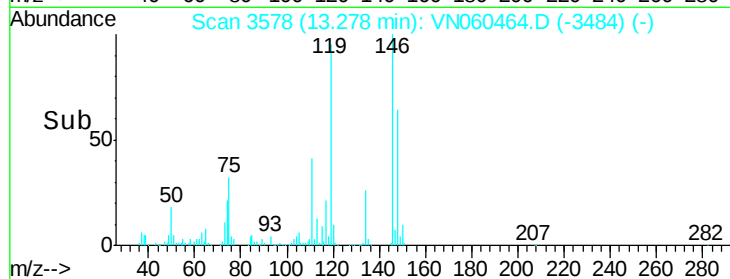
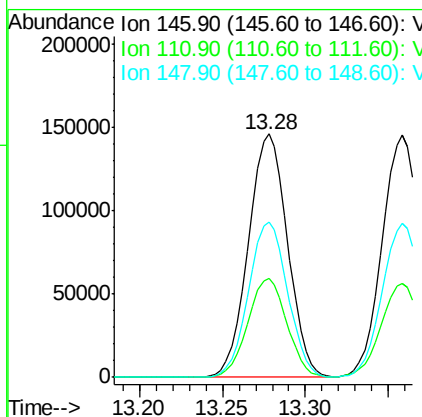
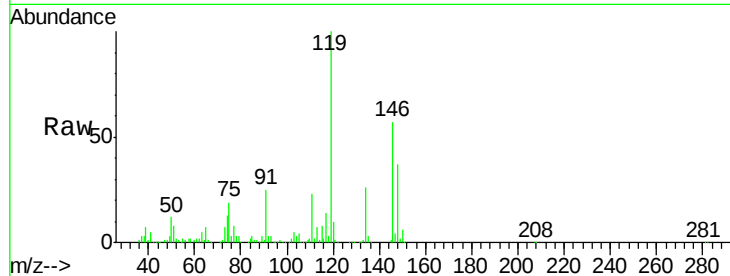




#87
 1,3-Dichlorobenzene
 Concen: 51.84 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

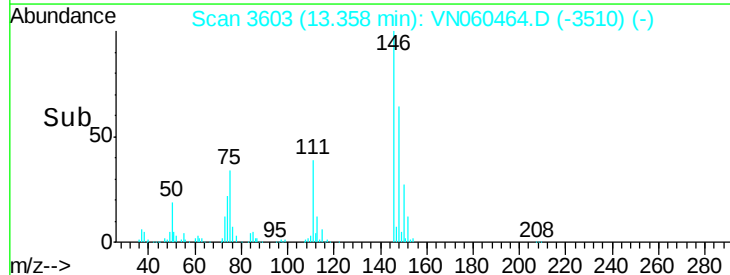
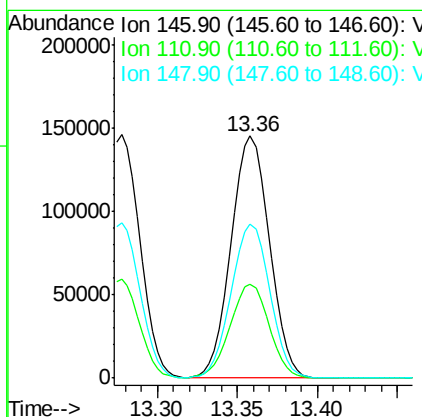
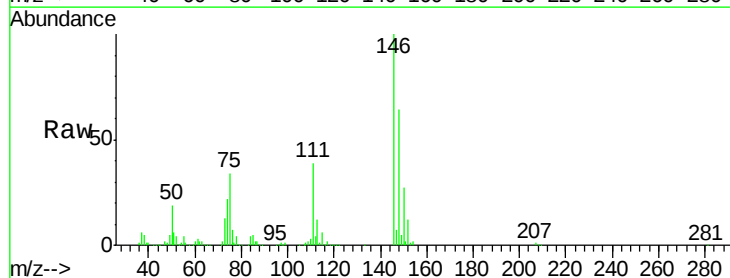
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

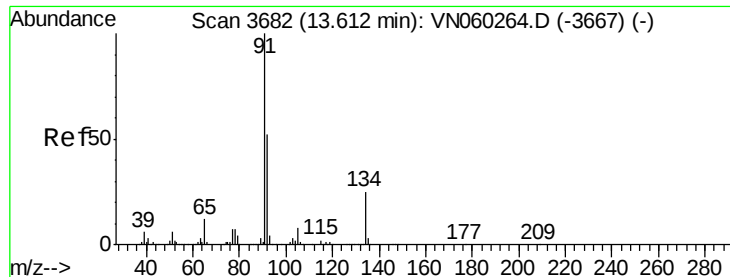
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	63.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 51.76 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.4
148	64.0	32.3	96.9

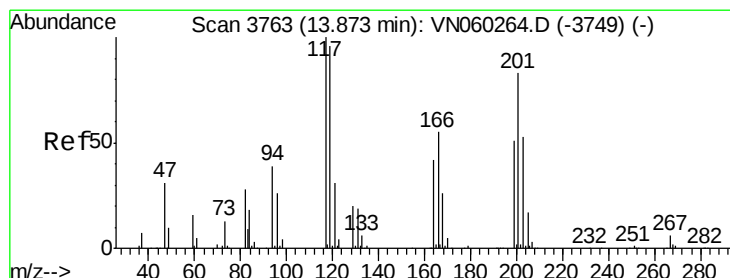
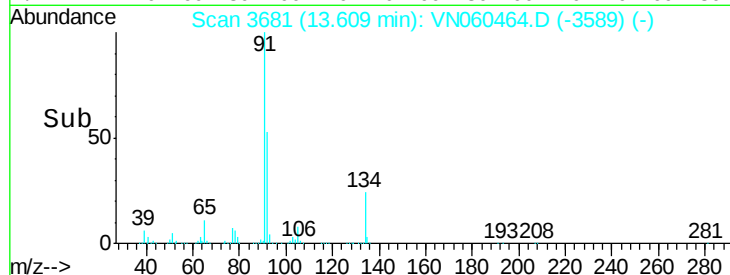
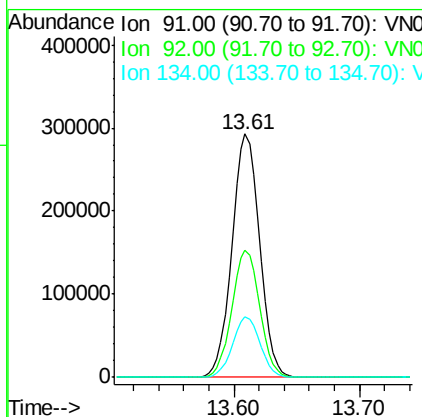
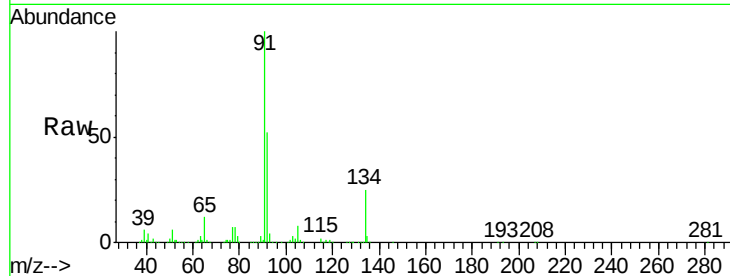




#89
n-Butylbenzene
Concen: 49.09 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

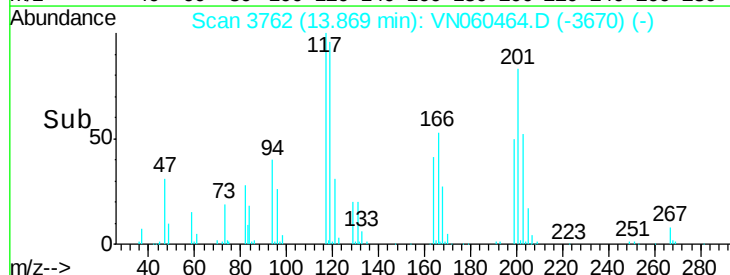
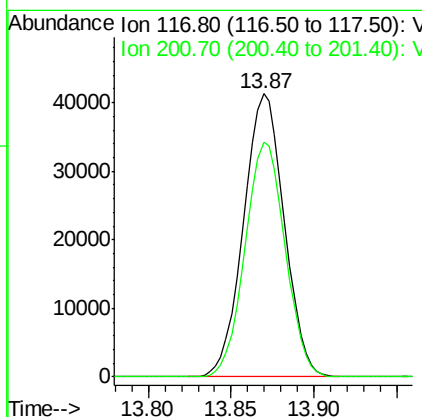
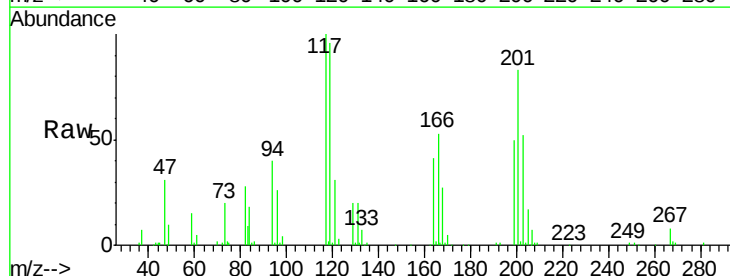
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

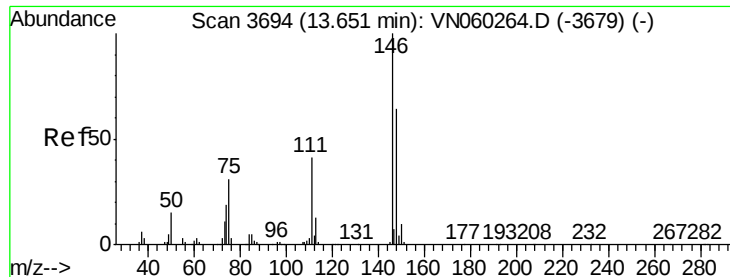
Tgt Ion: 91 Resp: 447196
Ion Ratio Lower Upper
91 100
92 52.4 26.0 78.0
134 24.7 12.7 38.1



#90
Hexachloroethane
Concen: 48.96 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060464.D
Acq: 12 Mar 2020 8:56

Tgt Ion: 117 Resp: 70324
Ion Ratio Lower Upper
117 100
201 81.6 41.0 123.0

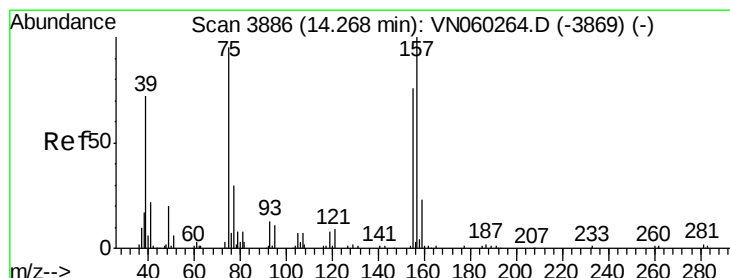
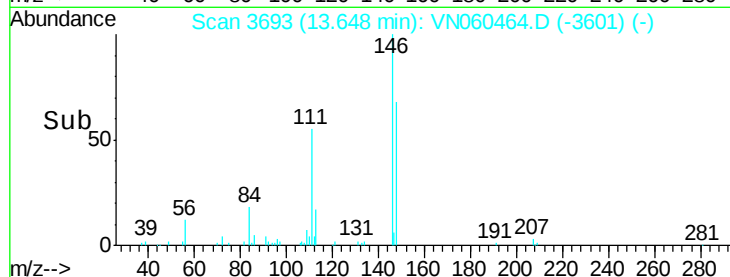
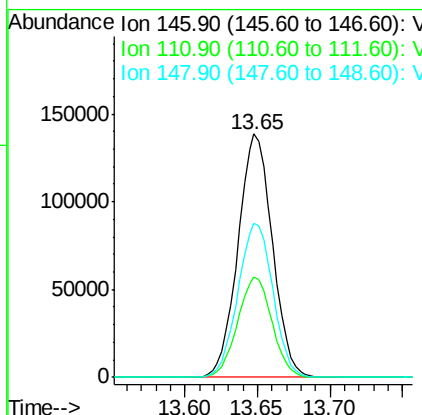
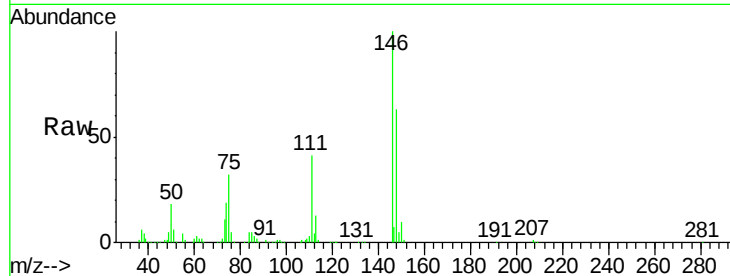




#91
 1,2-Dichlorobenzene
 Concen: 48.37 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

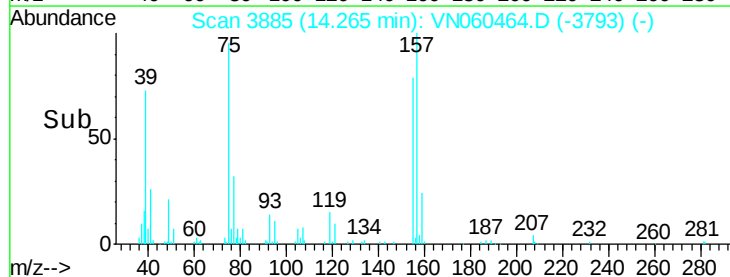
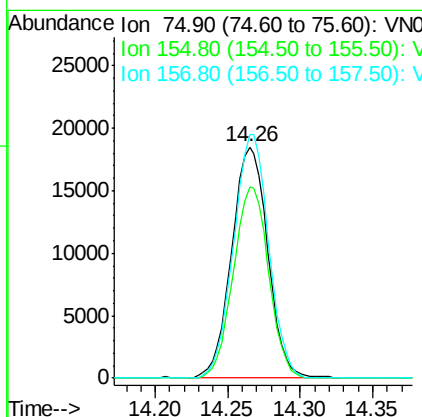
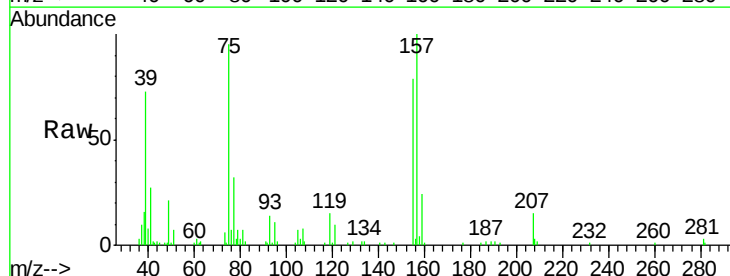
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

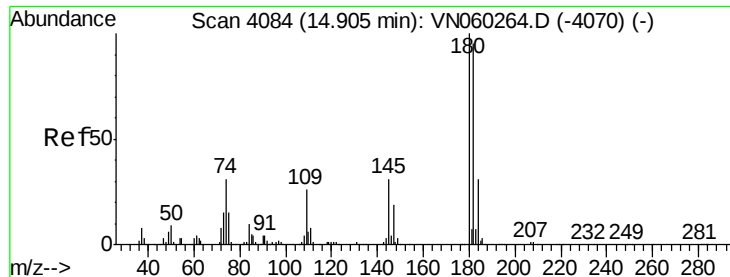
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	64.5	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.47 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	40.4	121.2
157	102.3	52.5	157.5

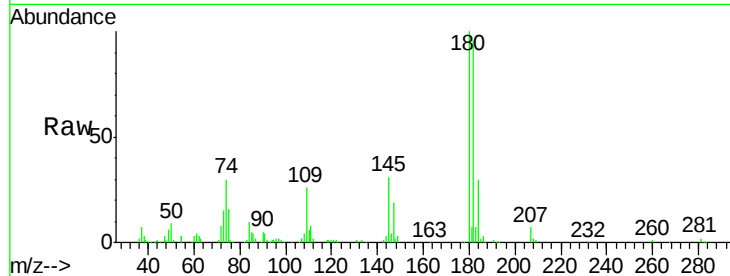




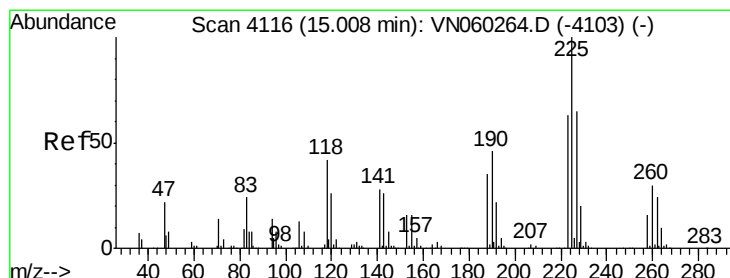
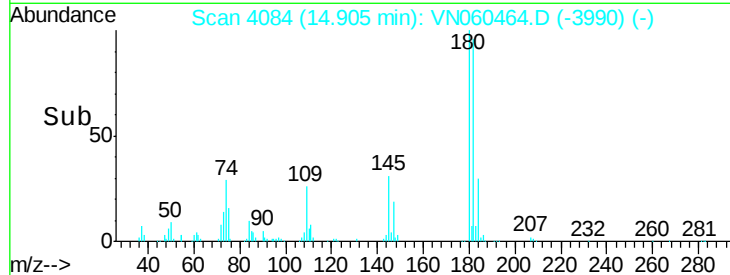
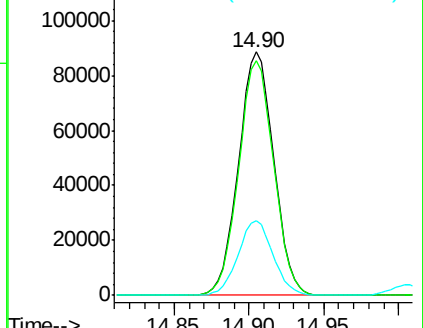
#93
 1,2,4-Trichlorobenzene
 Concen: 48.45 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:180 Resp: 145230
 Ion Ratio Lower Upper
 180 100
 182 95.9 47.8 143.3
 145 30.4 15.4 46.1

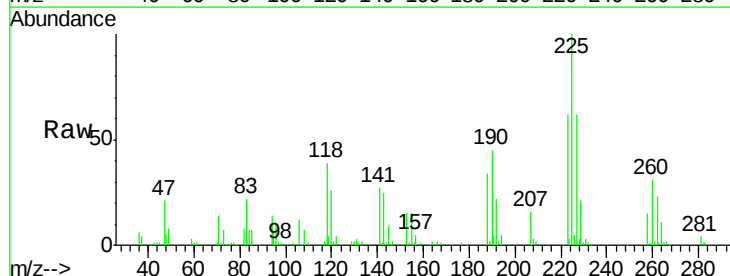


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

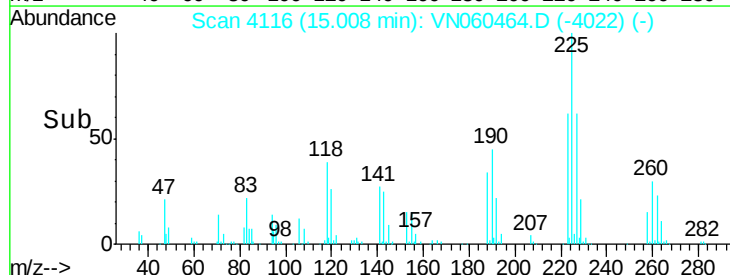
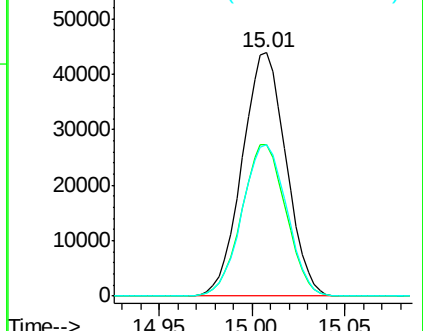


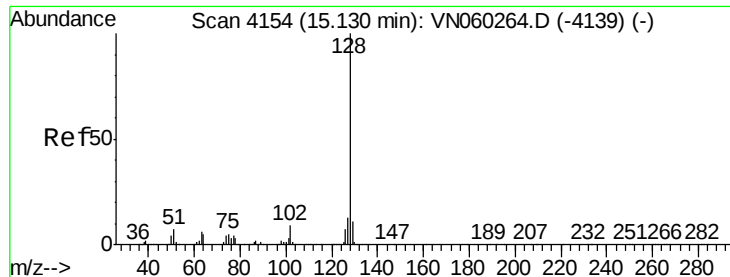
#94
 Hexachlorobutadiene
 Concen: 52.36 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060464.D
 Acq: 12 Mar 2020 8:56

Tgt Ion:225 Resp: 72113
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.3 93.9
 227 63.3 32.3 96.9



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





#95

Naphthalene

Concen: 46.26 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

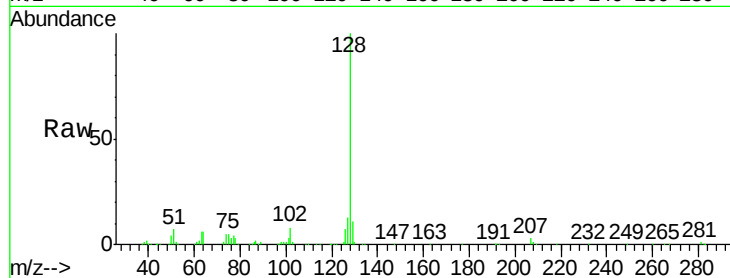
Tgt Ion:128 Resp: 408628

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

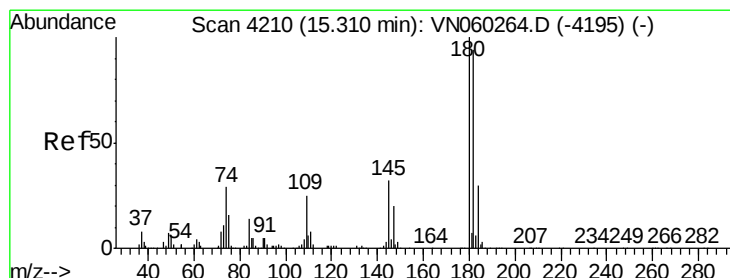
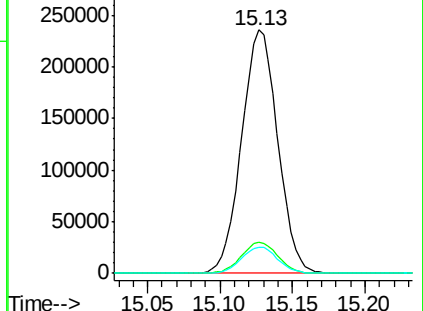
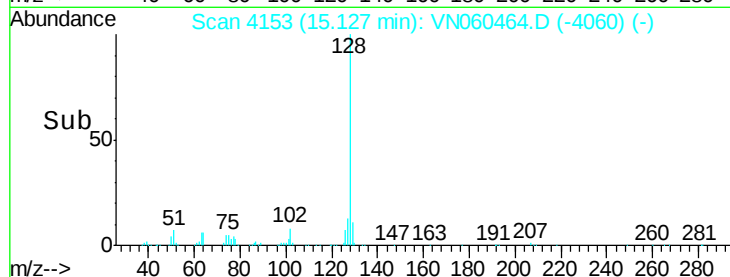
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.11 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060464.D

Acq: 12 Mar 2020 8:56

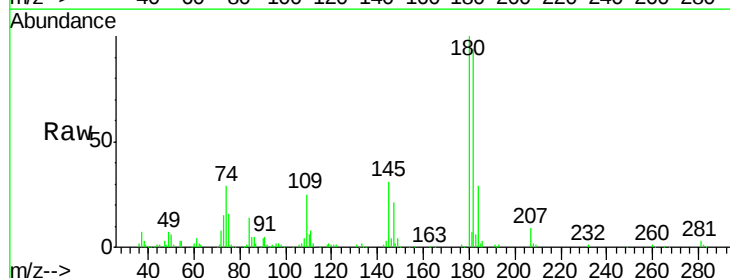
Tgt Ion:180 Resp: 135844

Ion Ratio Lower Upper

180 100

182 94.9 47.3 142.0

145 32.2 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

