

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031720\
 Data File : VN060560.D
 Acq On : 17 Mar 2020 16:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 18 06:45:18 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	209167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	357741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	331594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159736	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	133317	49.68	ug/l	0.00
Spiked Amount			Recovery	=	99.36%	
35) Dibromofluoromethane	7.56	113	101011	60.83	ug/l	0.00
Spiked Amount			Recovery	=	121.66%	
50) Toluene-d8	10.08	98	394142	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.40	95	152515	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	70315	36.666	ug/l	99
3) Chloromethane	2.03	50	141274	42.312	ug/l	99
4) Vinyl Chloride	2.16	62	110087	38.446	ug/l	100
5) Bromomethane	2.54	94	47262	40.551	ug/l	97
6) Chloroethane	2.68	64	69034	44.497	ug/l	96
7) Trichlorofluoromethane	3.00	101	155732	42.568	ug/l	99
8) Diethyl Ether	3.38	74	67543	48.898	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92361	44.609	ug/l	100
10) Methyl Iodide	3.93	142	66271	35.071	ug/l	99
11) Tert butyl alcohol	4.73	59	105592	264.983	ug/l	99
12) 1,1-Dichloroethene	3.72	96	91267	45.411	ug/l	99
13) Acrolein	3.58	56	103857	279.372	ug/l	100
14) Allyl chloride	4.29	41	169433	45.729	ug/l	99
15) Acrylonitrile	4.94	53	305517	290.876	ug/l	99
16) Acetone	3.78	43	243464	280.932	ug/l	99
17) Carbon Disulfide	4.03	76	211211	39.458	ug/l	100
18) Methyl Acetate	4.29	43	159844	55.269	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	365106	50.042	ug/l	98
20) Methylene Chloride	4.52	84	110864	46.581	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	97649	45.187	ug/l	95
22) Diisopropyl ether	5.92	45	400694	53.390	ug/l	98
23) Vinyl Acetate	5.86	43	1601246	268.496	ug/l	98
24) 1,1-Dichloroethane	5.81	63	211510	49.786	ug/l	100
25) 2-Butanone	6.80	43	409391	292.461	ug/l	98
26) 2,2-Dichloropropane	6.80	77	171114	44.243	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	124146	44.984	ug/l	99
28) Bromochloromethane	7.17	49	89350	51.224	ug/l	93
29) Tetrahydrofuran	7.18	42	275055	282.572	ug/l	97
30) Chloroform	7.35	83	207246	49.004	ug/l	100
31) Cyclohexane	7.63	56	169387	46.632	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	174372	46.536	ug/l	100
36) 1,1-Dichloropropene	7.77	75	145970	42.813	ug/l	99
37) Ethyl Acetate	6.90	43	173668	53.795	ug/l	98
38) Carbon Tetrachloride	7.75	117	137379	41.385	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	158799	39.503	ug/l	95
40) Benzene	8.02	78	452265	45.576	ug/l	99
41) Methacrylonitrile	7.18	41	246884	165.623	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	162840	45.474	ug/l	100
43) Isopropyl Acetate	8.14	43	296644	52.487	ug/l	99
44) Trichloroethene	8.82	130	114246	41.337	ug/l	98
45) 1,2-Dichloropropane	9.10	63	130454	50.281	ug/l	99
46) Dibromomethane	9.19	93	76861	45.656	ug/l	98
47) Bromodichloromethane	9.39	83	166049	48.496	ug/l	99
48) Methyl methacrylate	9.18	41	130259	50.542	ug/l	97
49) 1,4-Dioxane	9.18	88	31587	871.527	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	885929	276.470	ug/l	100
52) Toluene	10.14	92	278998	44.758	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	190928	45.508	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	201282	46.300	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	116774	46.584	ug/l	98
56) Ethyl methacrylate	10.42	69	188537	52.352	ug/l	96
57) 1,3-Dichloropropane	10.70	76	200125	48.954	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	469971	249.516	ug/l	97
59) 2-Hexanone	10.74	43	641223	272.540	ug/l	99
60) Dibromochloromethane	10.89	129	122701	48.132	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114441	46.832	ug/l	100
64) Tetrachloroethene	10.62	164	108329	41.245	ug/l	99
65) Chlorobenzene	11.43	112	295220	44.091	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	112566	45.468	ug/l	99
67) Ethyl Benzene	11.50	91	545558	44.742	ug/l	99
68) m/p-Xylenes	11.62	106	396512	86.189	ug/l	98
69) o-Xylene	11.94	106	196156	44.713	ug/l	100
70) Styrene	11.96	104	328154	45.496	ug/l	99
71) Bromoform	12.12	173	90359	50.642	ug/l #	100
73) Isopropylbenzene	12.25	105	529658	44.737	ug/l	100
74) N-amyl acetate	12.06	43	261195	50.487	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	171587	53.317	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	233368	66.589	ug/l #	100
77) Bromobenzene	12.52	156	130246	44.879	ug/l	96
78) n-propylbenzene	12.59	91	619872	44.666	ug/l	99
79) 2-Chlorotoluene	12.67	91	368325	45.150	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	442951	44.436	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64125	50.509	ug/l #	83
82) 4-Chlorotoluene	12.77	91	379434	44.147	ug/l	98
83) tert-Butylbenzene	12.99	119	377970	43.795	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	446111	44.339	ug/l	100
85) sec-Butylbenzene	13.17	105	508074	43.962	ug/l	99
86) p-Isopropyltoluene	13.28	119	453022	42.351	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	226243	45.351	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	224581	45.259	ug/l	99
89) n-Butylbenzene	13.61	91	413051	42.064	ug/l	99
90) Hexachloroethane	13.87	117	68775	44.418	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	221481	43.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35205	48.306	ug/l	98

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

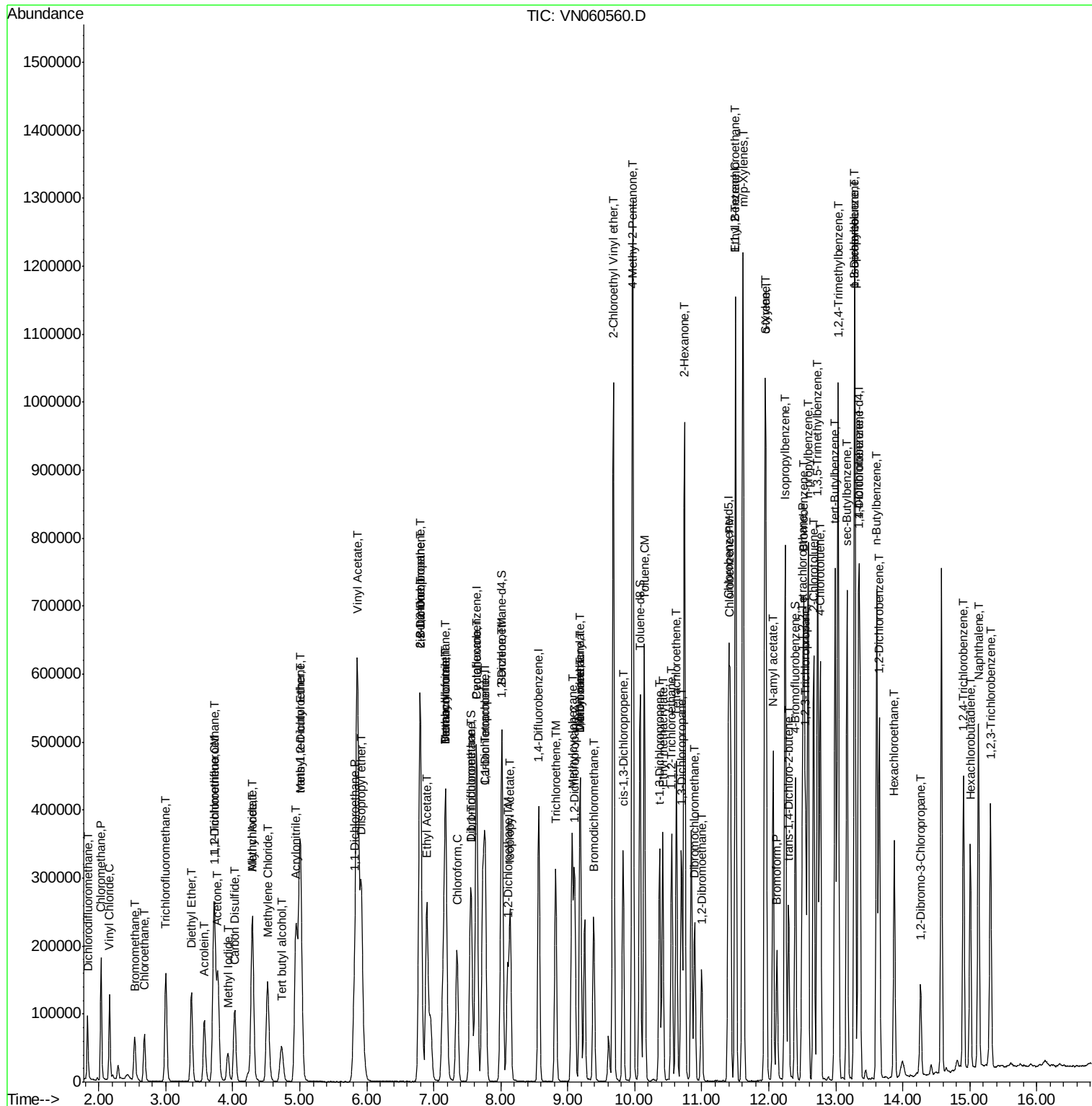
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	138459	42.862	ug/l	99
94) Hexachlorobutadiene	15.01	225	65165	43.800	ug/l	99
95) Naphthalene	15.13	128	432407	45.407	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133506	43.849	ug/l	99

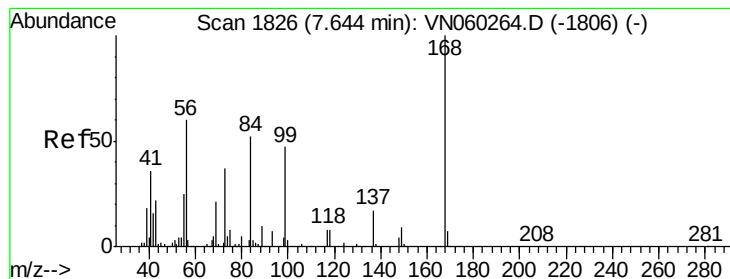
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

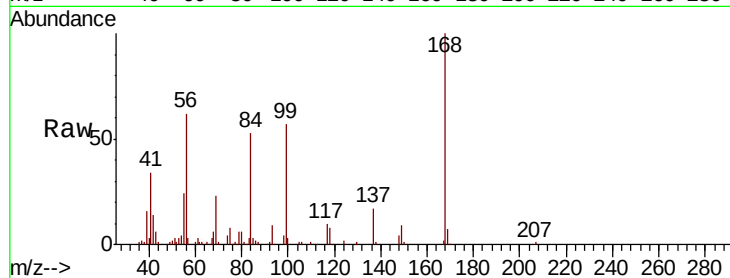
VSTDCCC050EC

Tot Ion:168 Resp: 209167

Ion Ratio Lower Upper

168 100

99 57.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

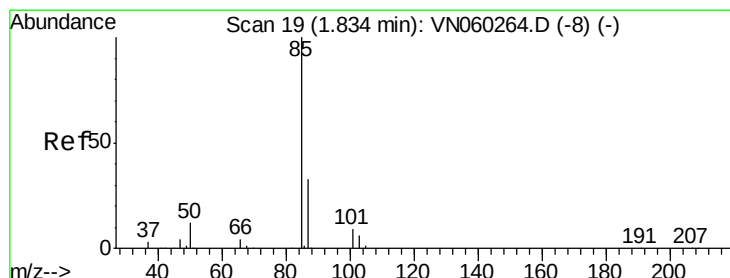
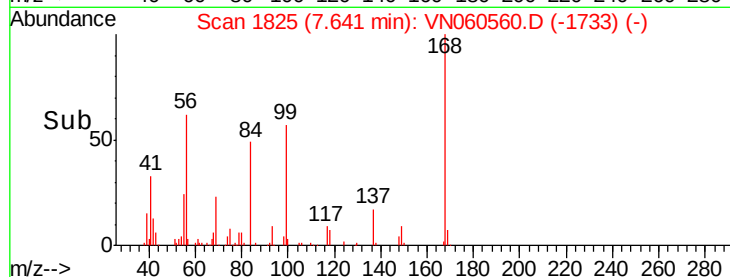
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 36.666 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060560.D

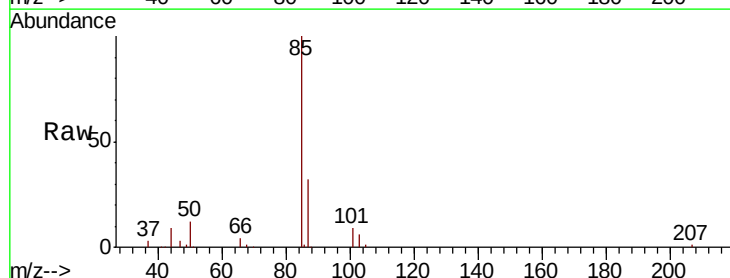
Acq: 17 Mar 2020 16:34

Tgt Ion: 85 Resp: 70315

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

50000

40000

30000

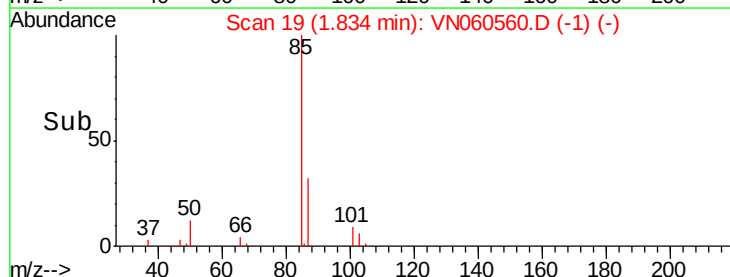
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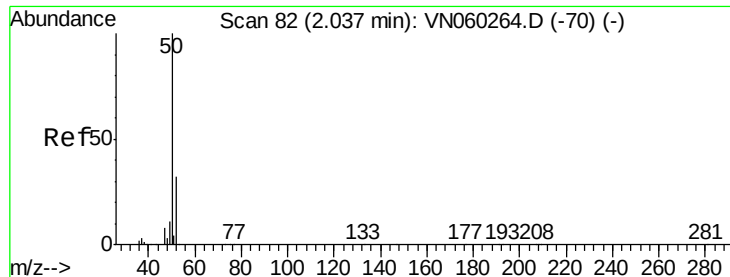
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.312 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

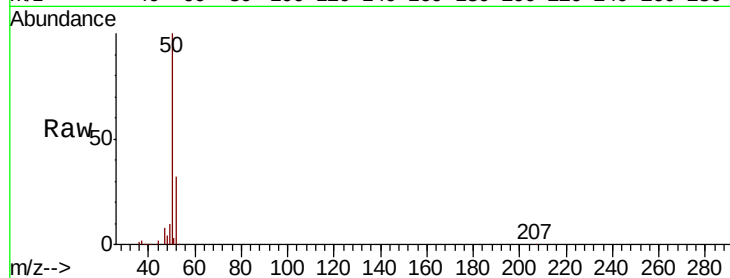
VSTDCCC050EC

Tot Ion: 50 Resp: 141274

Ion Ratio Lower Upper

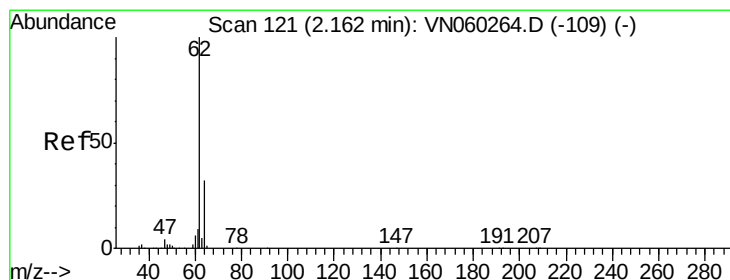
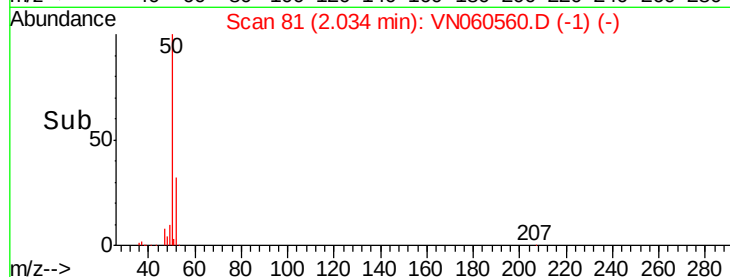
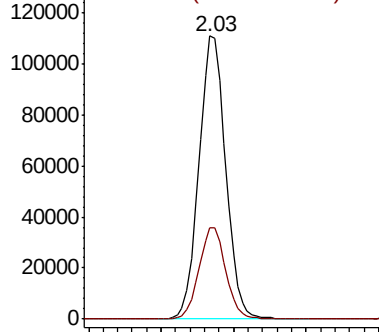
50 100

52 32.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 38.446 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060560.D

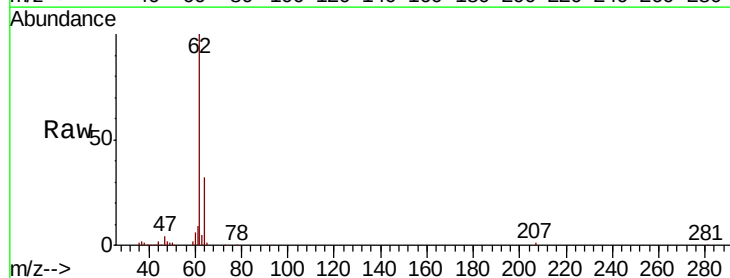
Acq: 17 Mar 2020 16:34

Tgt Ion: 62 Resp: 110087

Ion Ratio Lower Upper

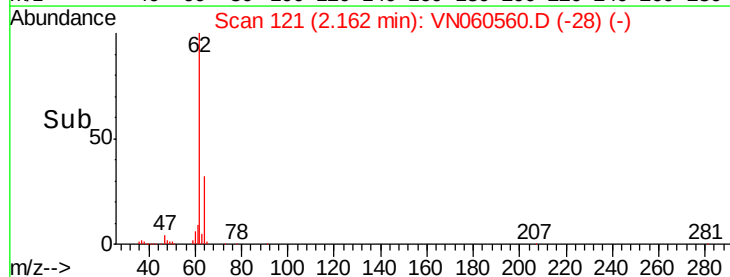
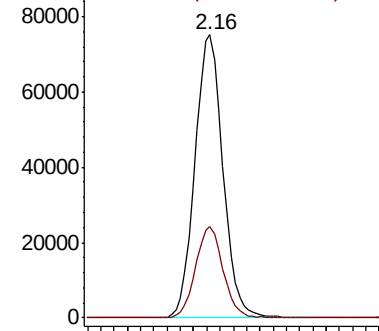
62 100

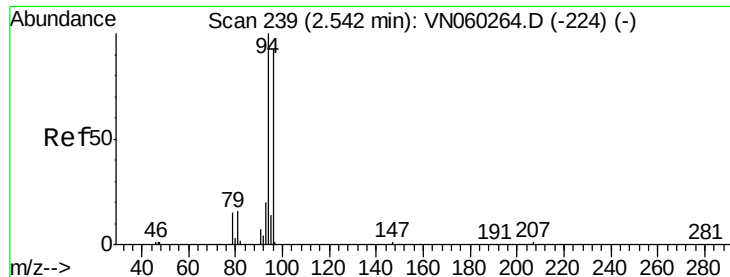
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.551 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

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Acq: 17 Mar 2020 16:34

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ClientSampleId :

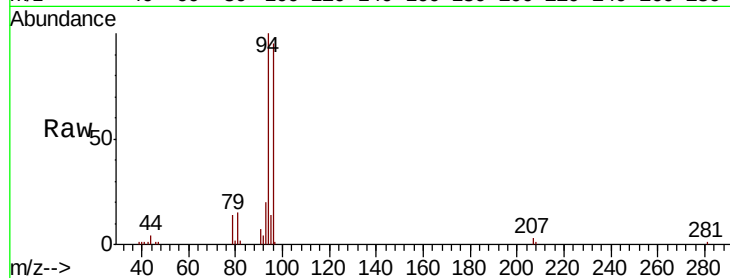
VSTDCCC050EC

Tot Ion: 94 Resp: 47262

Ion Ratio Lower Upper

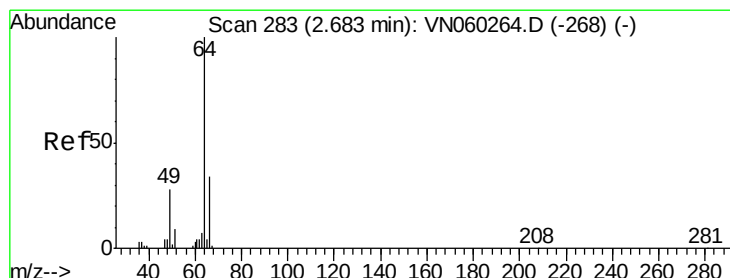
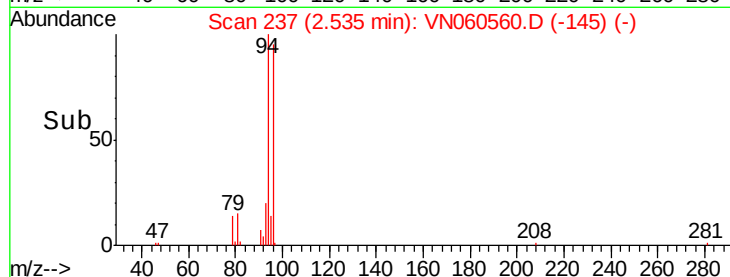
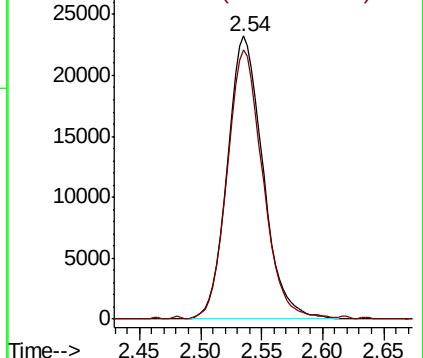
94 100

96 95.3 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.497 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060560.D

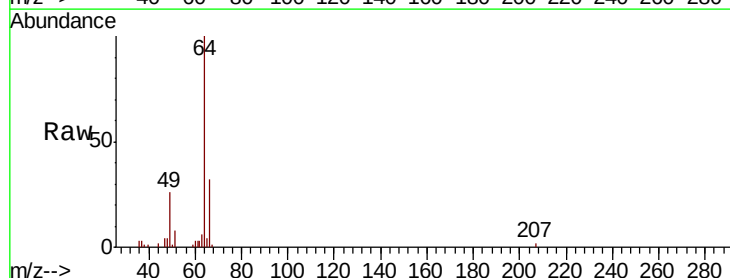
Acq: 17 Mar 2020 16:34

Tgt Ion: 64 Resp: 69034

Ion Ratio Lower Upper

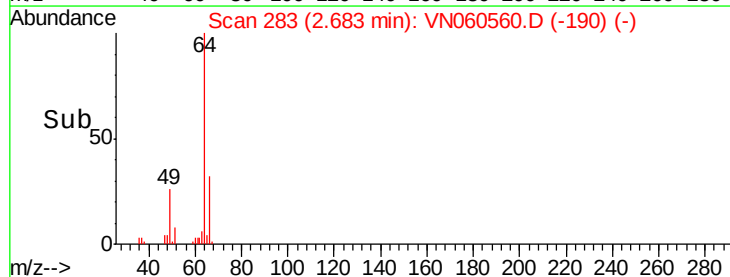
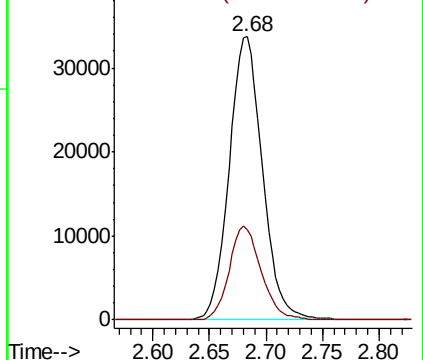
64 100

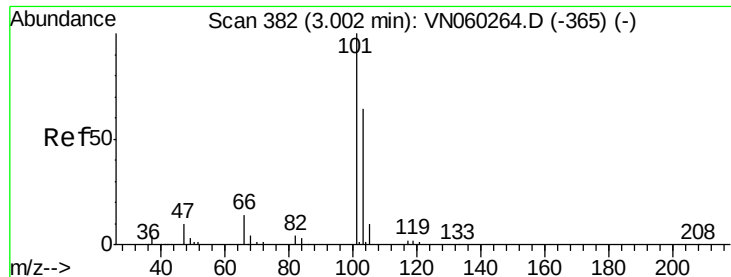
66 31.9 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



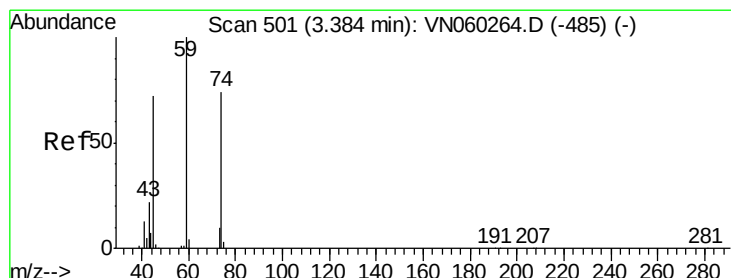
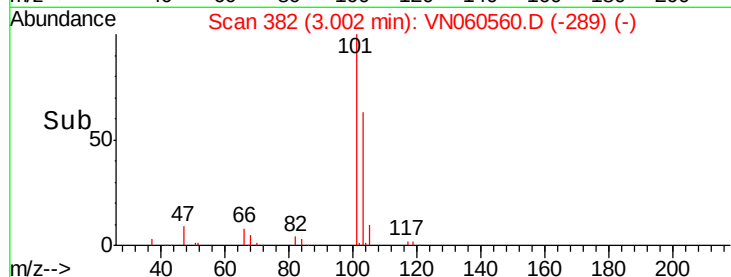
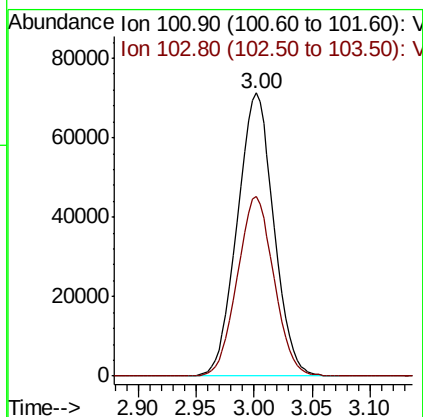
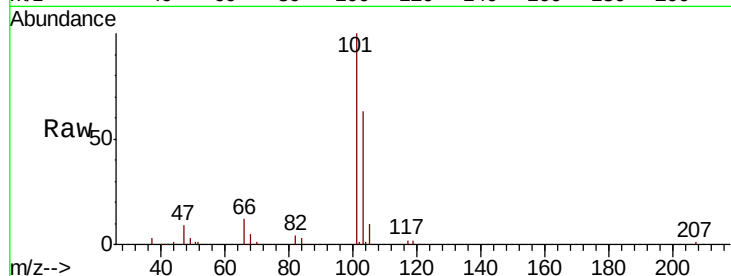


#7

Trichlorofluoromethane
 Concen: 42.568 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060560.D
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Instrument :
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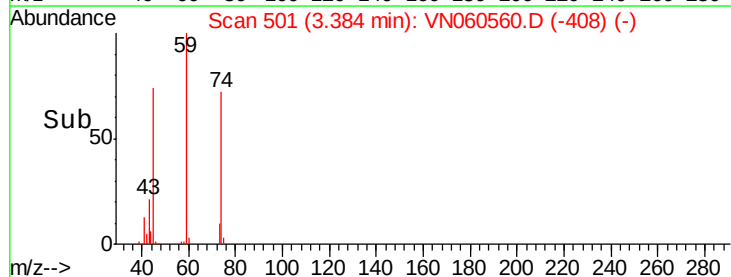
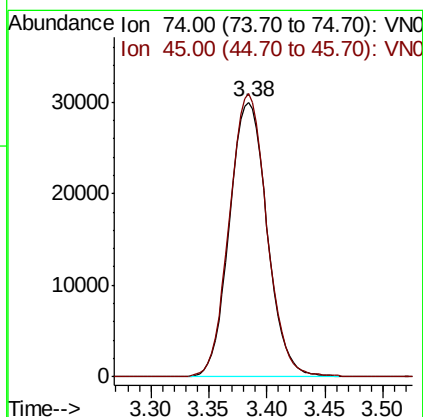
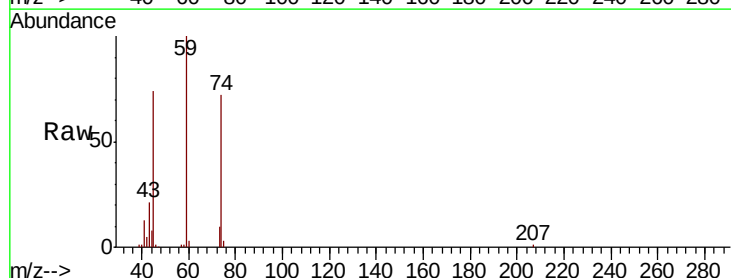
Tot Ion:101 Resp: 155732
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.3 76.9

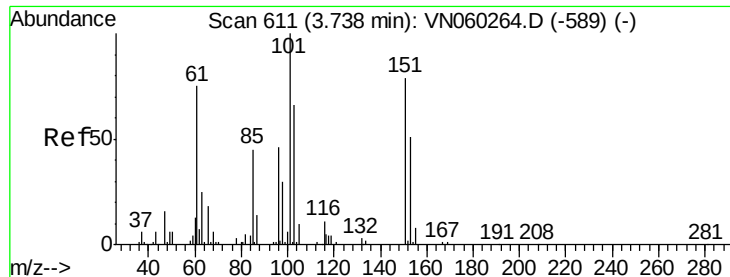


#8

Diethyl Ether
 Concen: 48.898 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion: 74 Resp: 67543
 Ion Ratio Lower Upper
 74 100
 45 102.3 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.609 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060560.D

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Instrument :

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VSTDCCC050EC

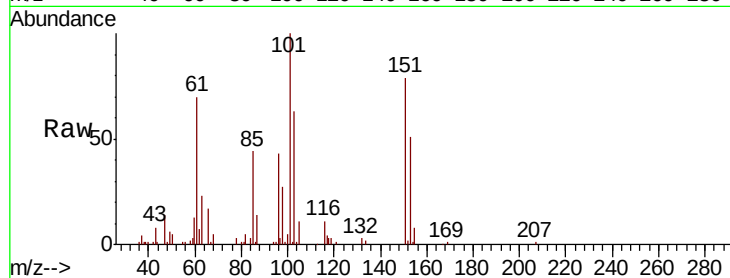
Tot Ion:101 Resp: 92361

Ion Ratio Lower Upper

101 100

85 43.7 35.4 53.2

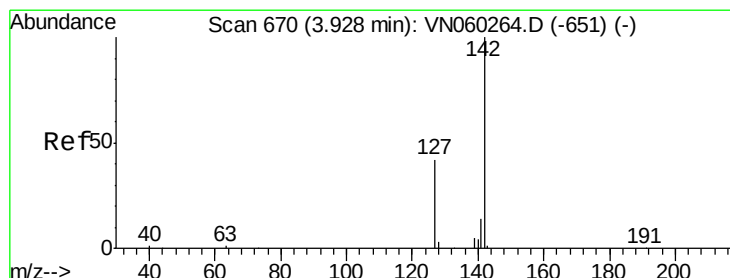
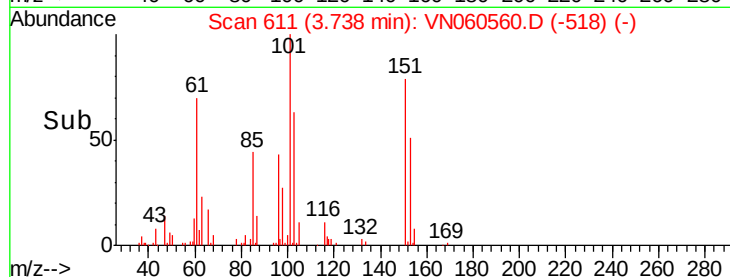
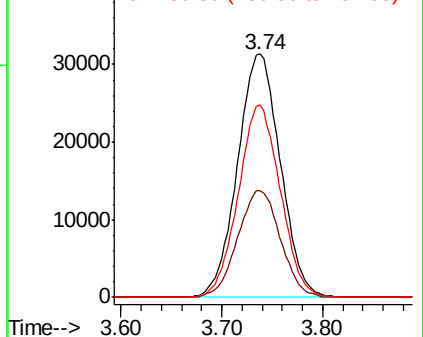
151 77.3 62.0 93.0



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: 35.071 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

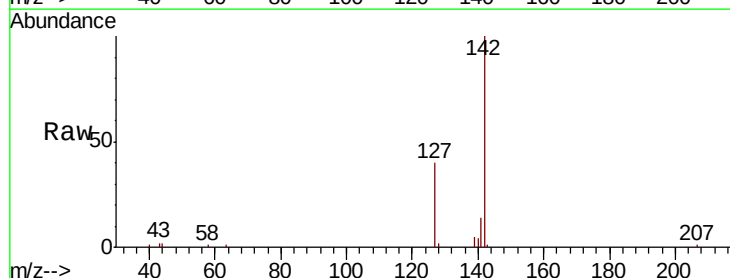
Tgt Ion:142 Resp: 66271

Ion Ratio Lower Upper

142 100

127 41.4 33.8 50.6

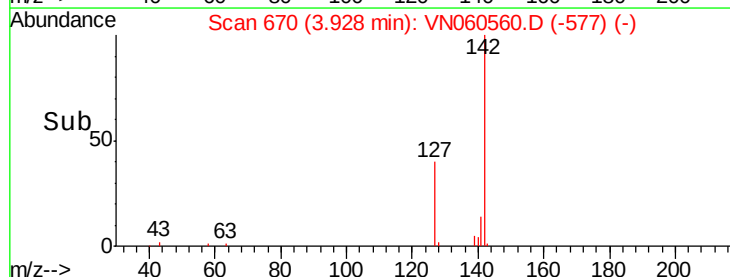
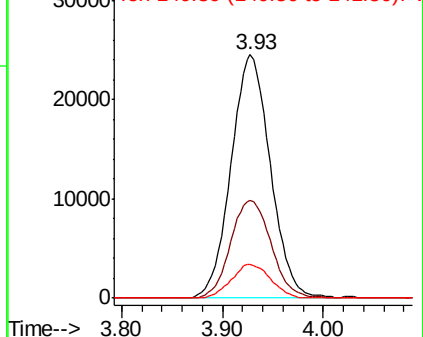
141 13.8 11.1 16.7

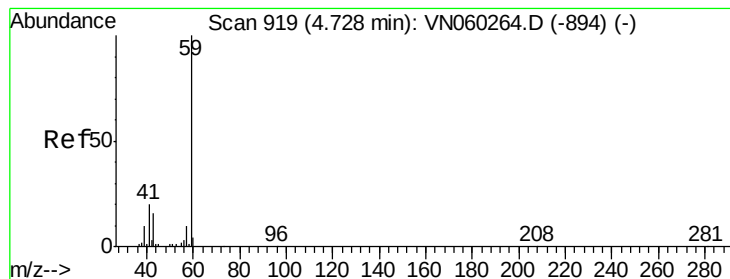


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



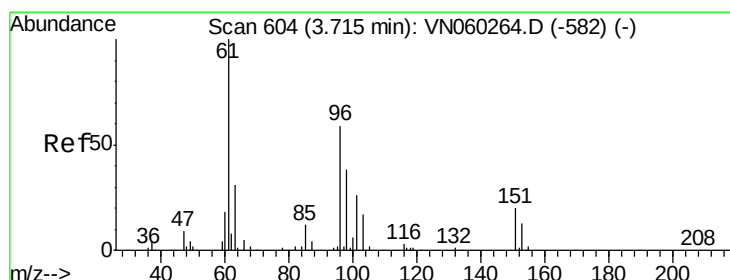
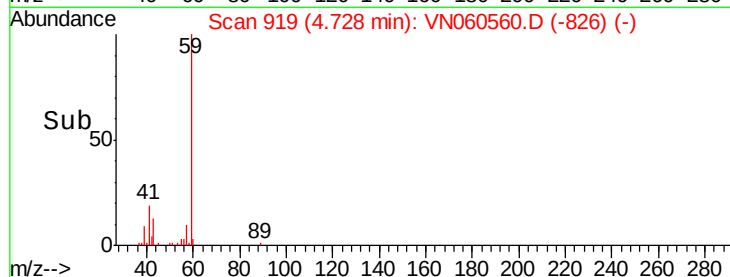
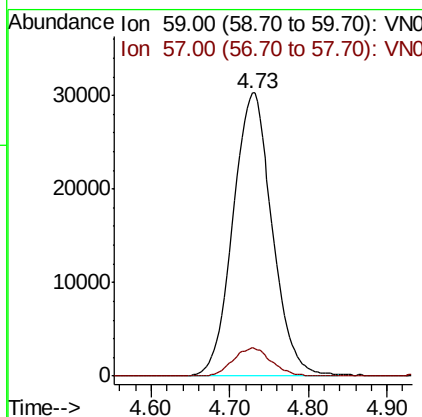
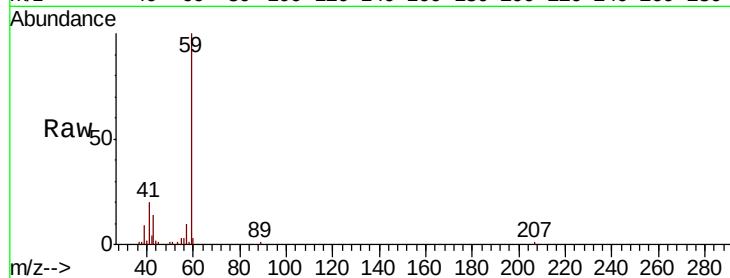


#11

Tert butyl alcohol
 Concen: 264.983 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

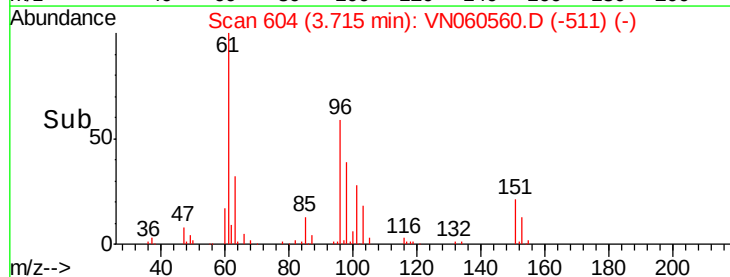
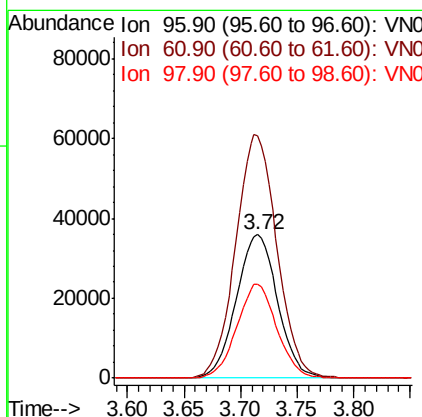
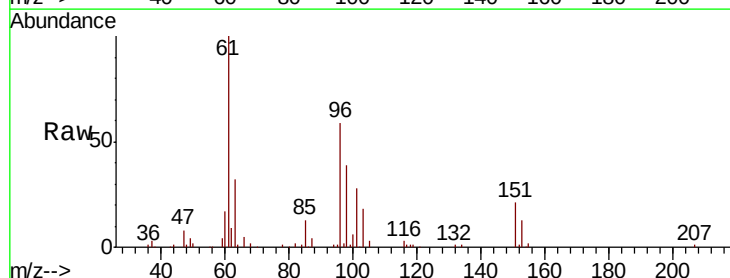
Tot Ion: 59 Resp: 105592
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.2

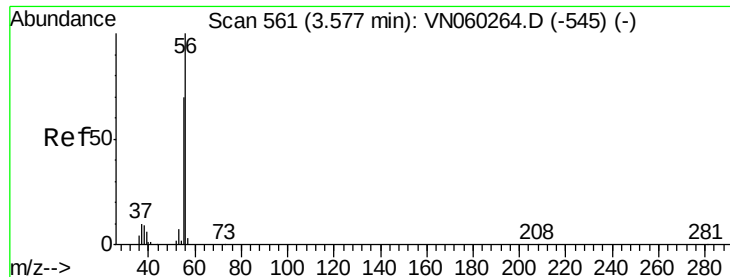


#12

1,1-Dichloroethene
 Concen: 45.411 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion: 96 Resp: 91267
 Ion Ratio Lower Upper
 96 100
 61 168.3 135.4 203.0
 98 65.4 51.6 77.4

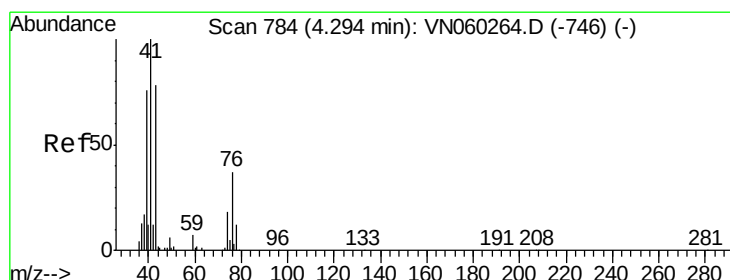
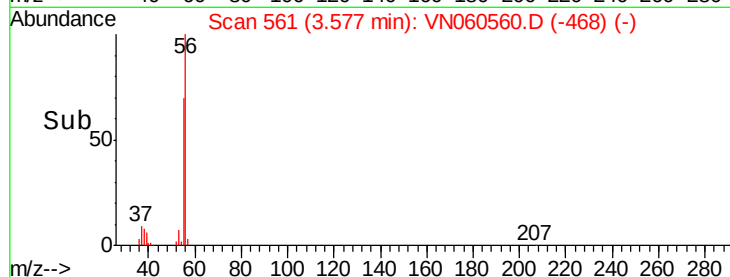
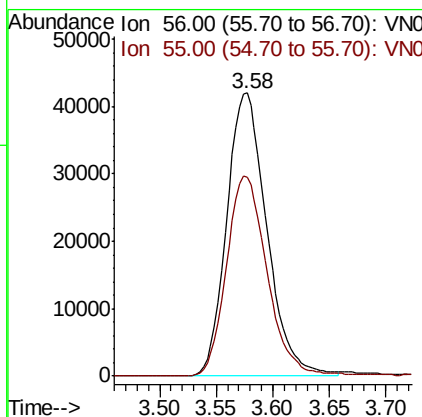
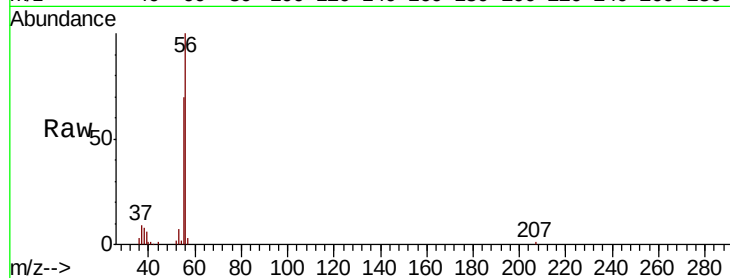




#13
Acrolein
Concen: 279.372 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

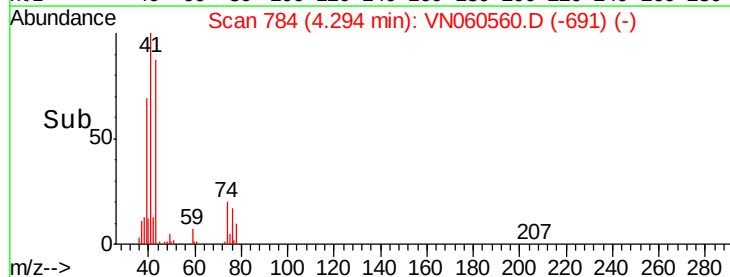
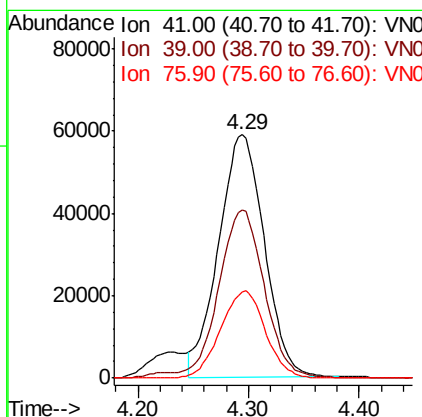
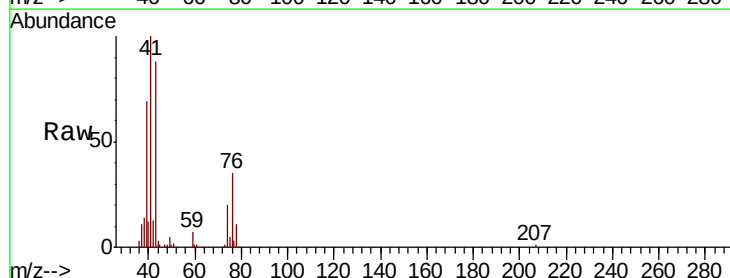
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

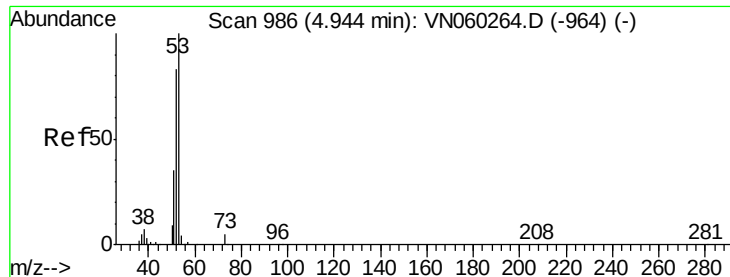
Tot Ion: 56 Resp: 103857
Ion Ratio Lower Upper
56 100
55 71.5 57.4 86.0



#14
Allyl chloride
Concen: 45.729 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 41 Resp: 169433
Ion Ratio Lower Upper
41 100
39 69.0 55.4 83.2
76 35.4 27.0 40.6





#15

Acrylonitrile

Concen: 290.876 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

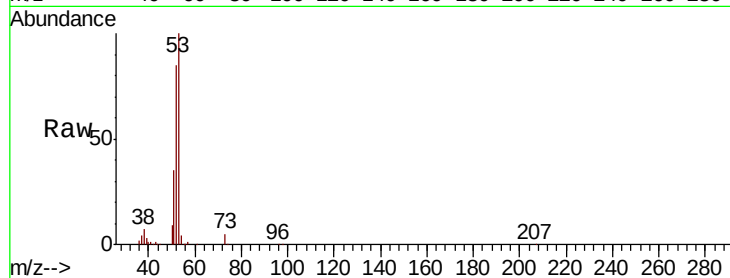
Tot Ion: 53 Resp: 305517

Ion Ratio Lower Upper

53 100

52 82.4 66.8 100.2

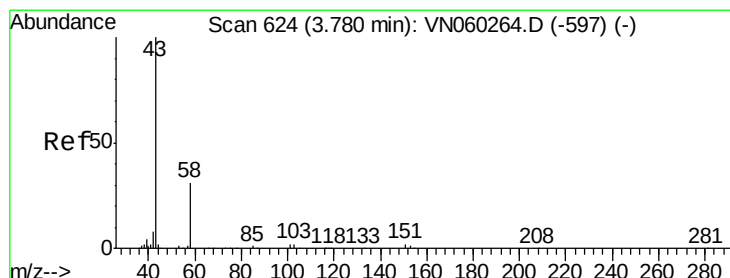
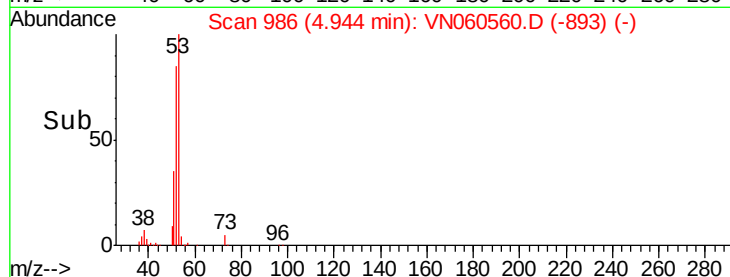
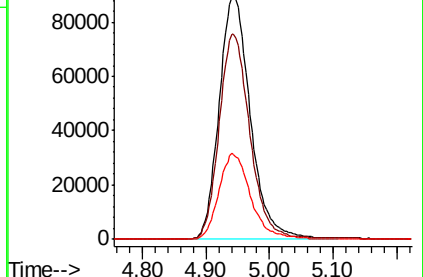
51 36.1 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060560.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060560.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060560.D (-893) (-)



#16

Acetone

Concen: 280.932 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060560.D

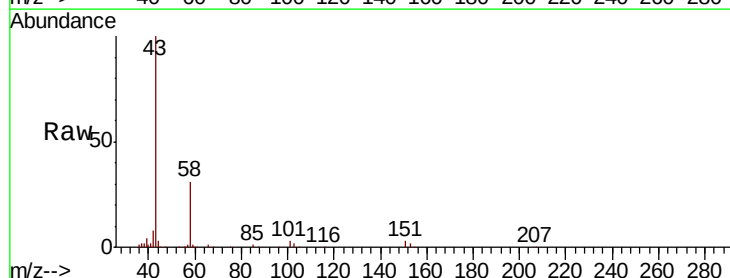
Acq: 17 Mar 2020 16:34

Tgt Ion: 43 Resp: 243464

Ion Ratio Lower Upper

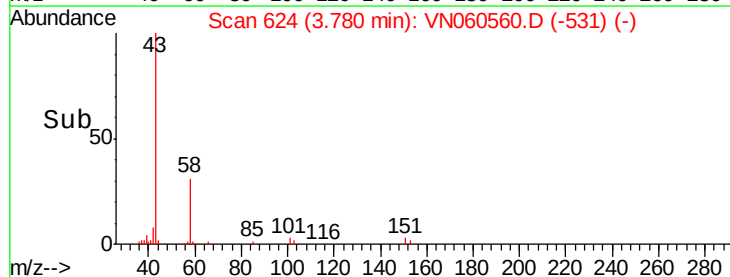
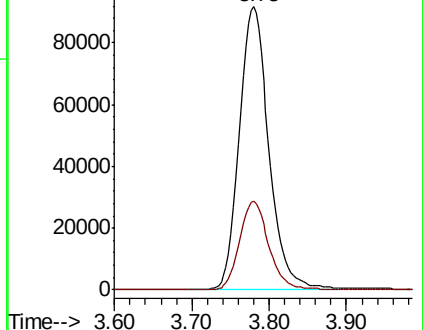
43 100

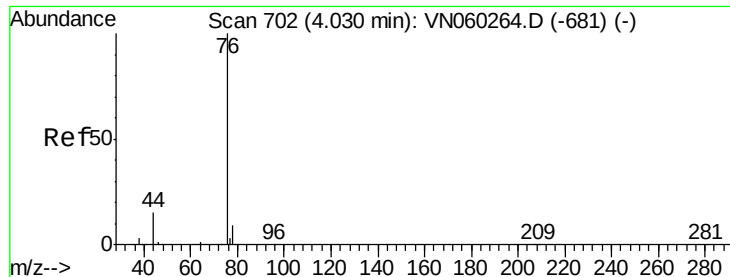
58 31.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060560.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060560.D (-531) (-)

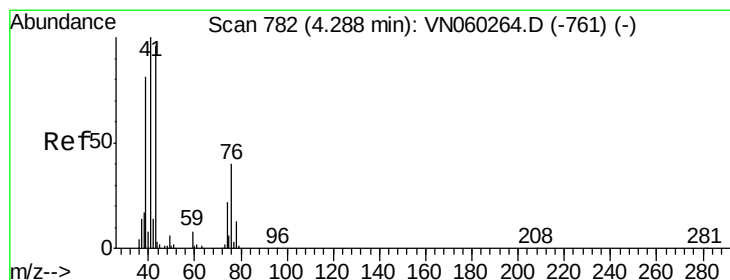
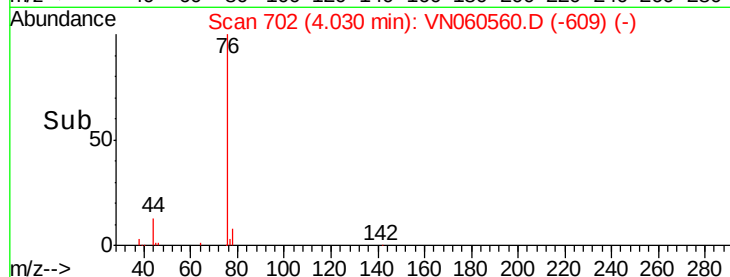
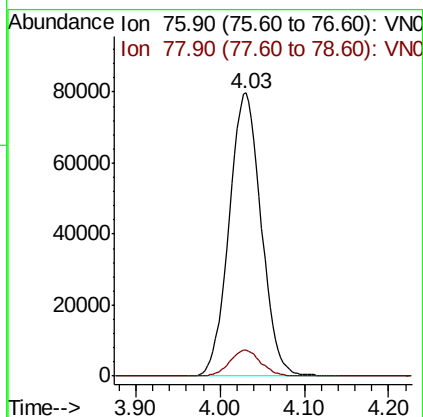
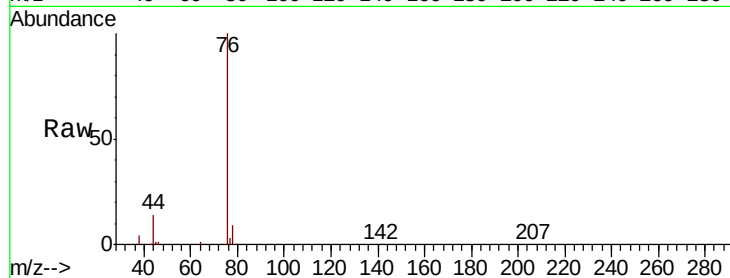




#17
Carbon Disulfide
Concen: 39.458 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

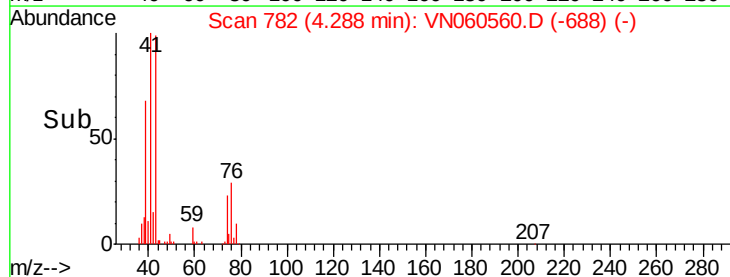
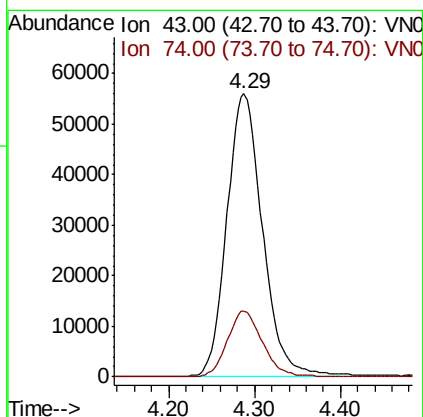
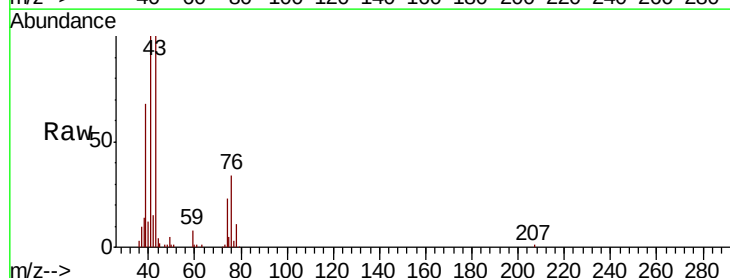
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

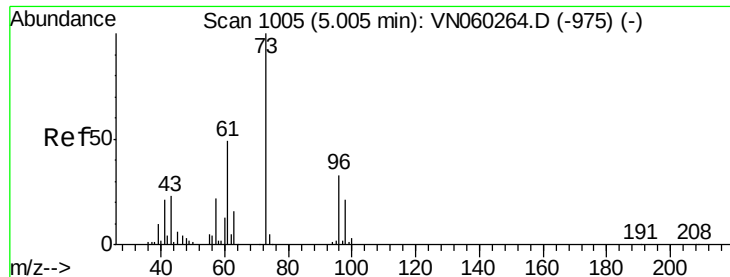
Tot Ion: 76 Resp: 211211
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 55.269 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 43 Resp: 159844
Ion Ratio Lower Upper
43 100
74 23.1 18.8 28.2

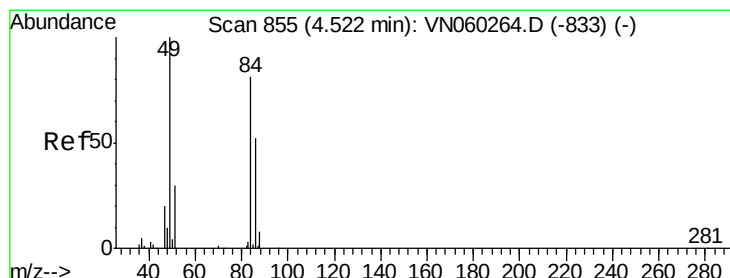
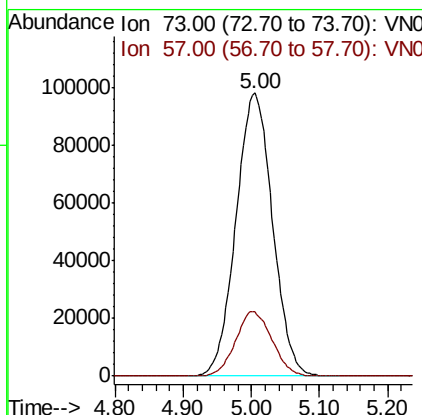
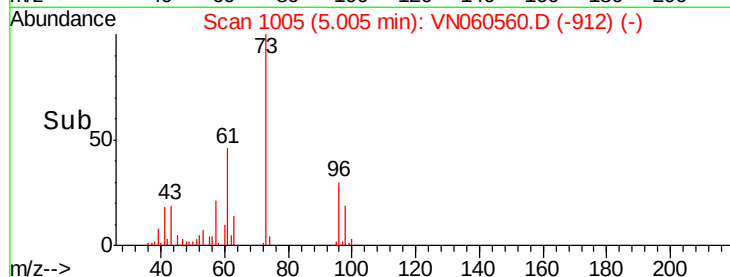
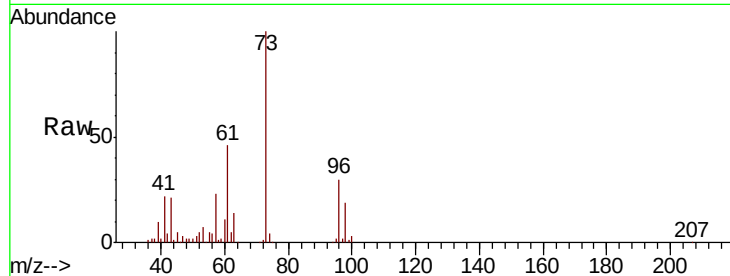




#19
Methyl tert-butyl Ether
Concen: 50.042 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

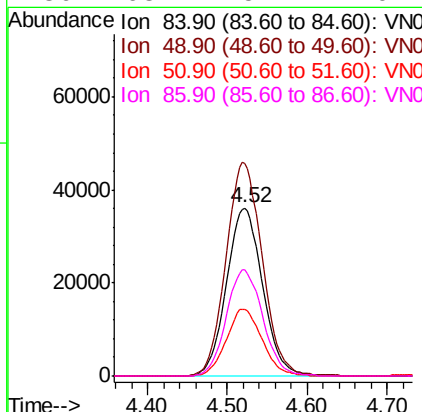
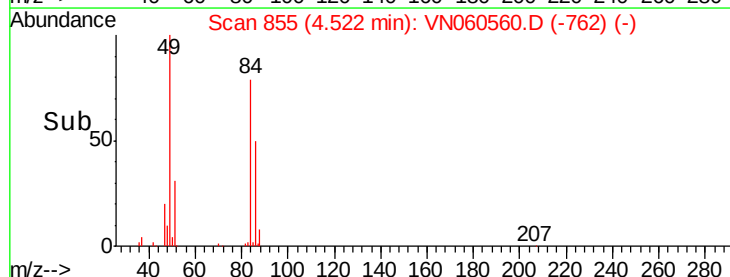
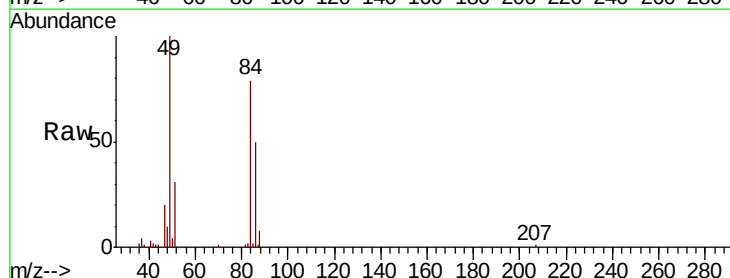
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

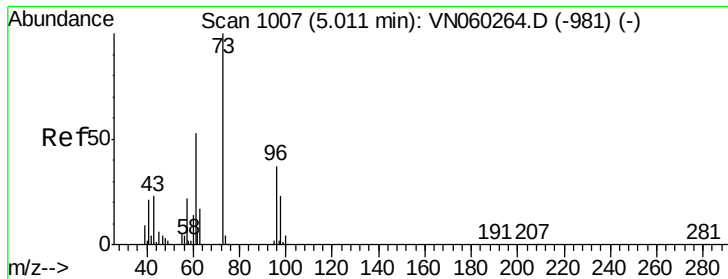
Tot Ion: 73 Resp: 365106
Ion Ratio Lower Upper
73 100
57 22.6 17.3 25.9



#20
Methylene Chloride
Concen: 46.581 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 84 Resp: 110864
Ion Ratio Lower Upper
84 100
49 126.6 99.3 148.9
51 39.4 30.1 45.1
86 63.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.187 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

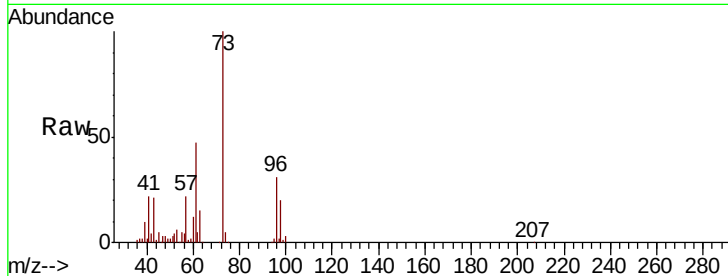
Tot Ion: 96 Resp: 97649

Ion Ratio Lower Upper

96 100

61 150.1 113.8 170.8

98 62.2 48.8 73.2

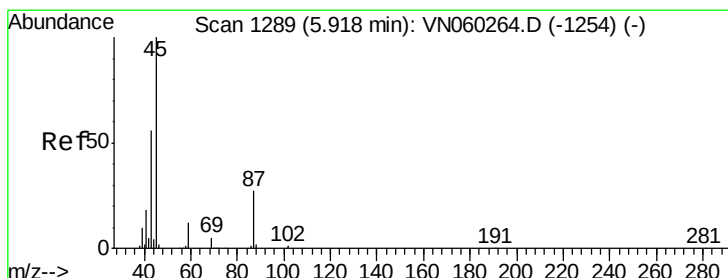
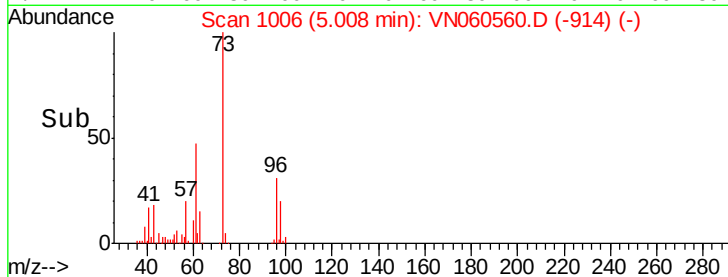
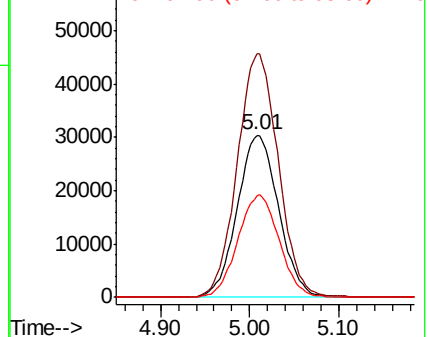


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 53.390 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Tgt Ion: 45 Resp: 400694

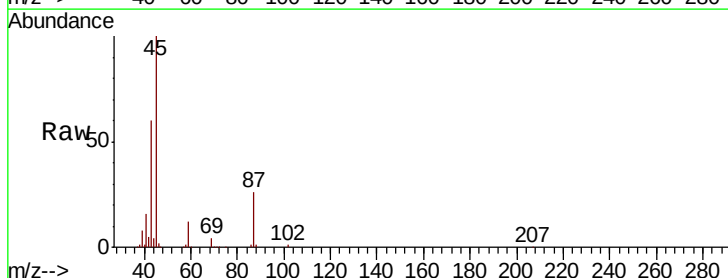
Ion Ratio Lower Upper

45 100

43 58.9 48.6 72.8

87 26.0 22.2 33.2

59 11.8 9.5 14.3



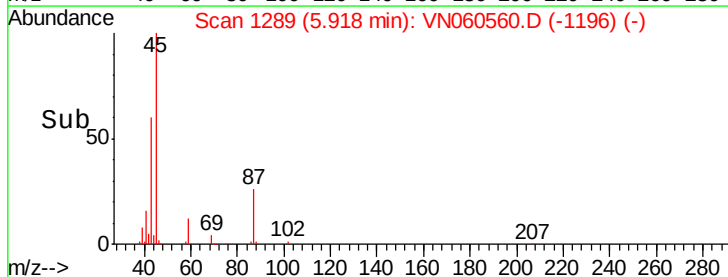
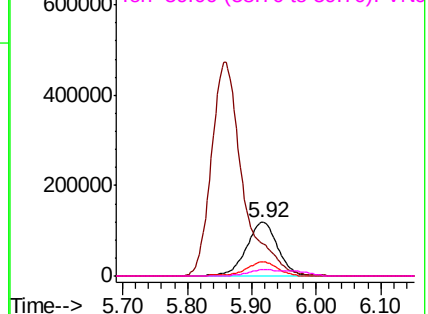
Abundance

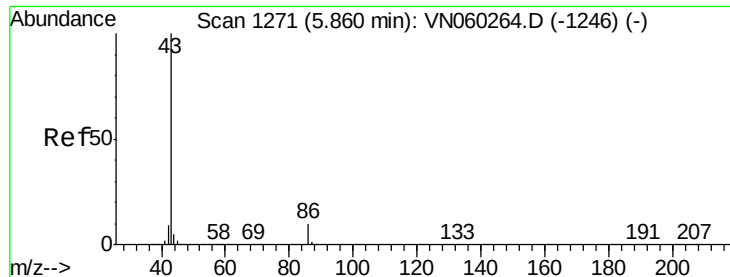
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 268.496 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

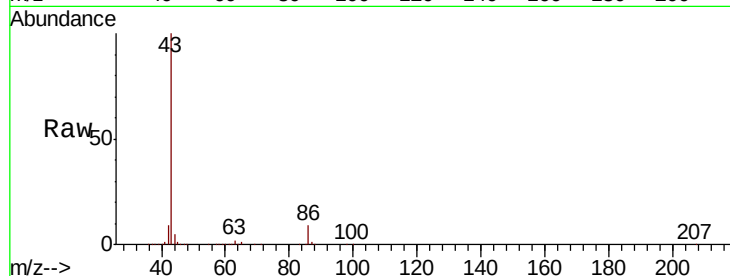
VSTDCCC050EC

Tot Ion: 43 Resp: 1601246

Ion Ratio Lower Upper

43 100

86 9.4 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

500000

400000

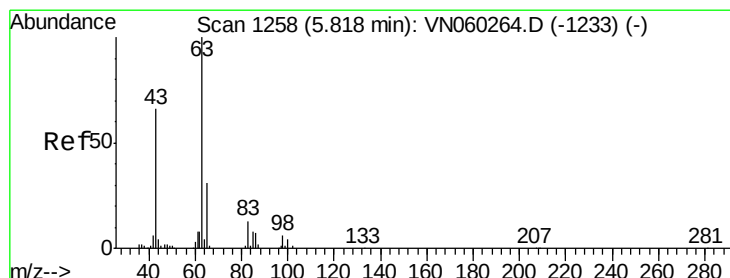
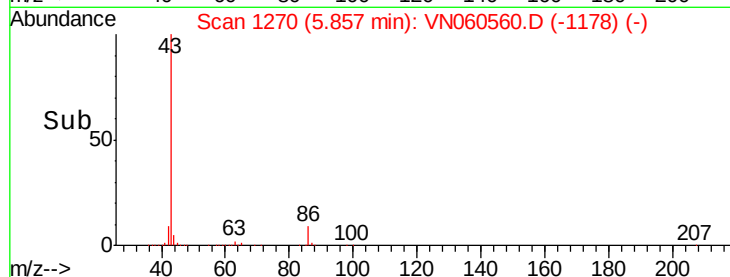
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.786 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

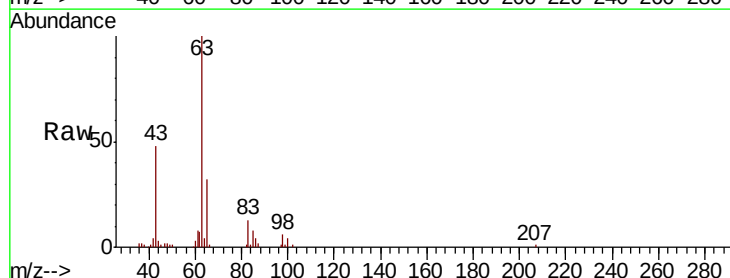
Tgt Ion: 63 Resp: 211510

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

5.81

80000

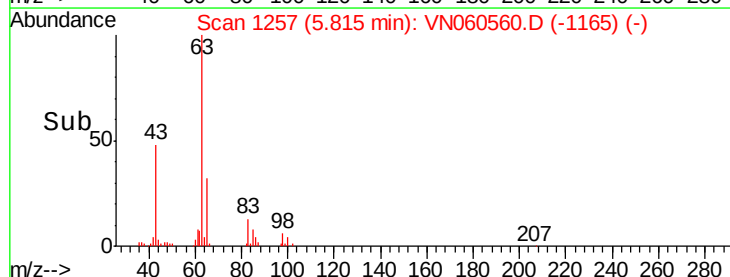
60000

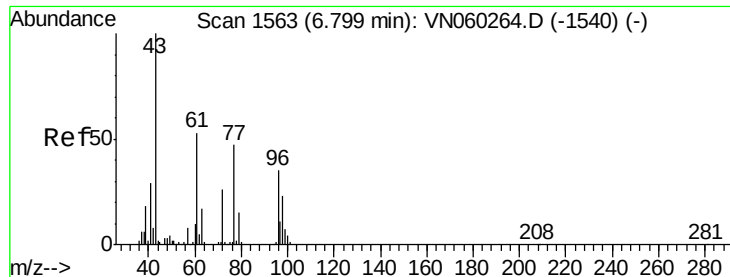
40000

20000

0

Time-->





#25

2-Butanone

Concen: 292.461 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

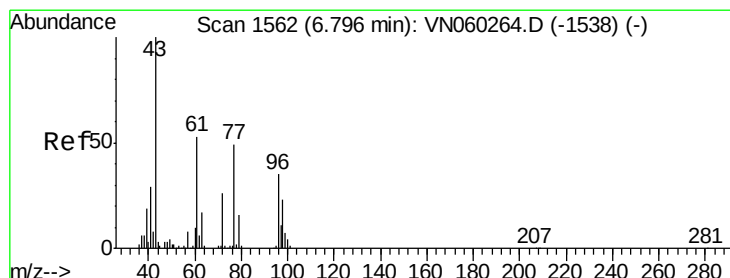
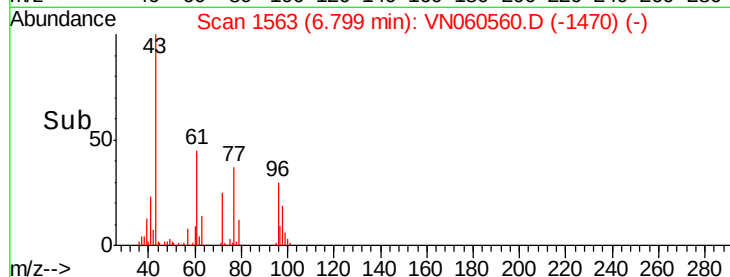
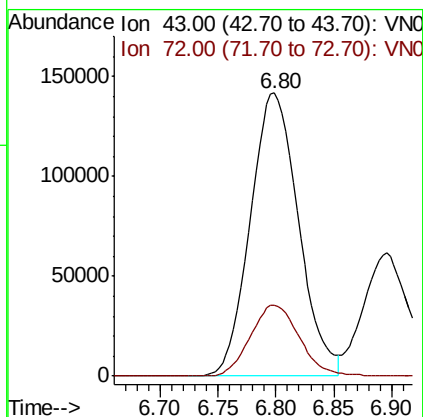
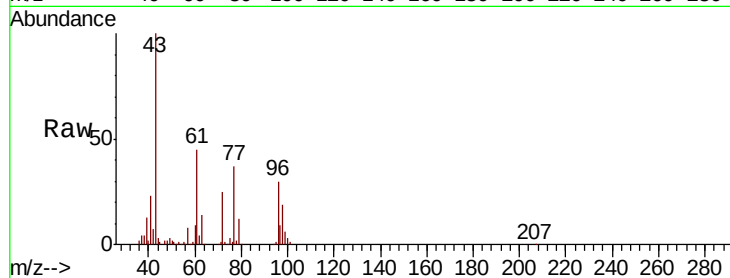
VSTDCCC050EC

Tot Ion: 43 Resp: 409391

Ion Ratio Lower Upper

43 100

72 25.1 20.9 31.3



#26

2,2-Dichloropropane

Concen: 44.243 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060560.D

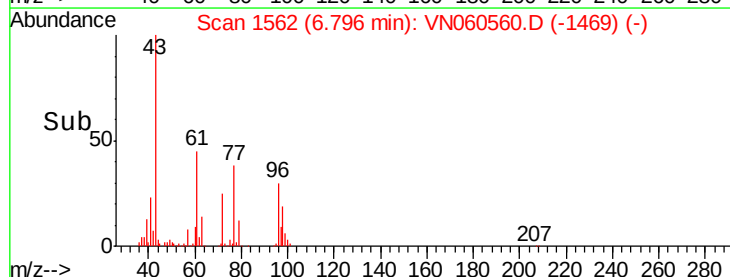
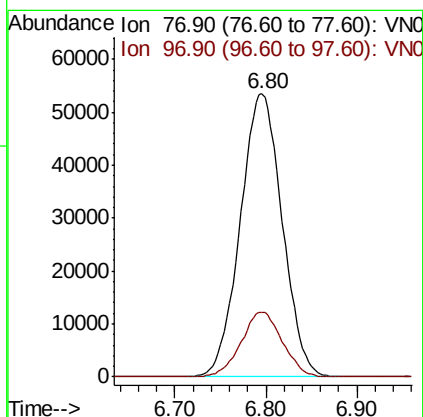
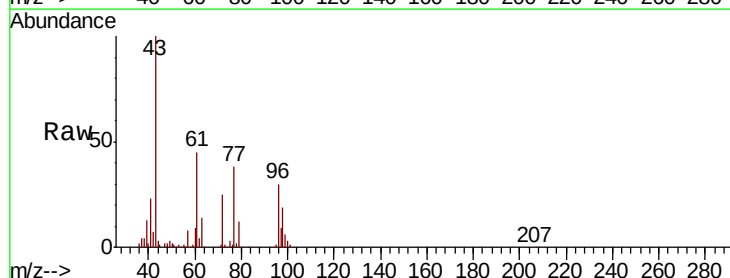
Acq: 17 Mar 2020 16:34

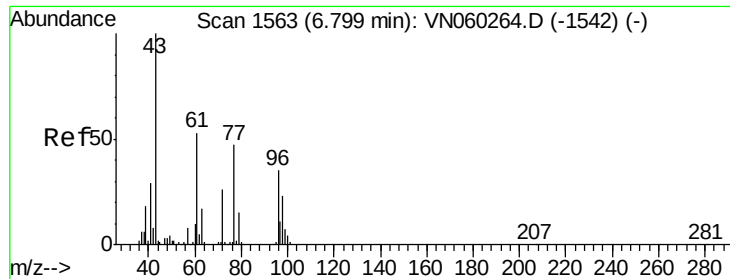
Tgt Ion: 77 Resp: 171114

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 44.984 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

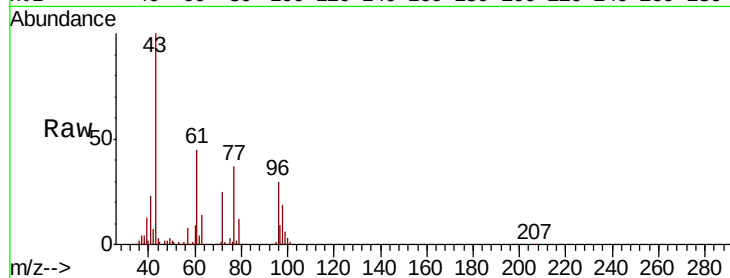
Tot Ion: 96 Resp: 124146

Ion Ratio Lower Upper

96 100

61 152.4 0.0 300.8

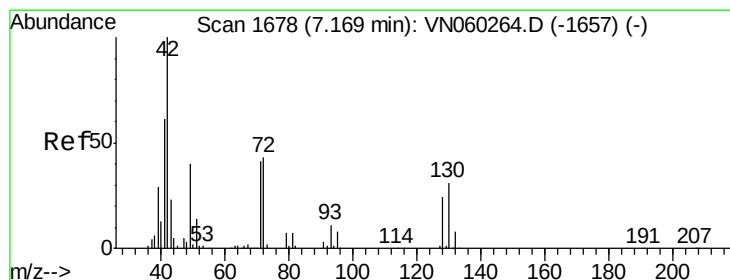
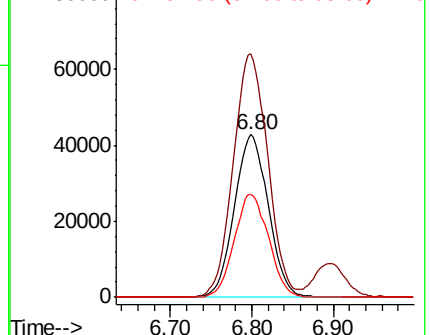
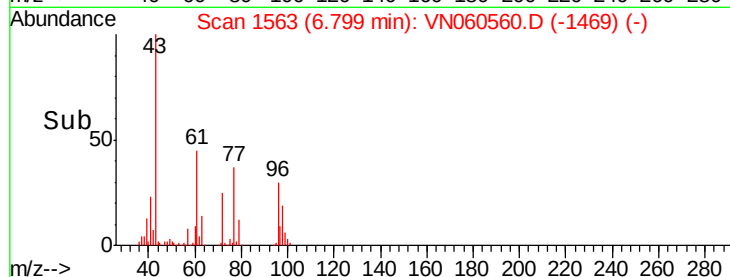
98 63.9 0.0 128.2



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



#28

Bromochloromethane

Concen: 51.224 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

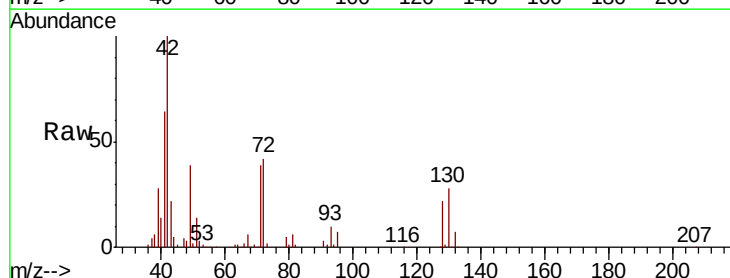
Tgt Ion: 49 Resp: 89350

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

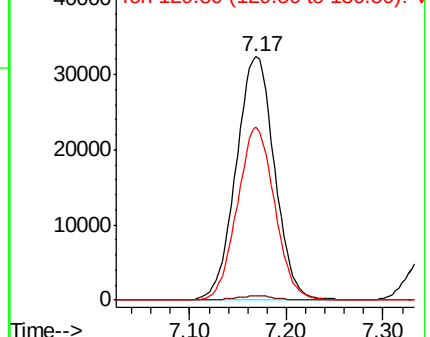
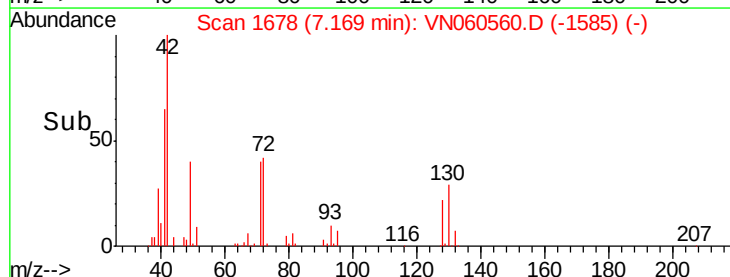
130 69.1 59.8 89.8

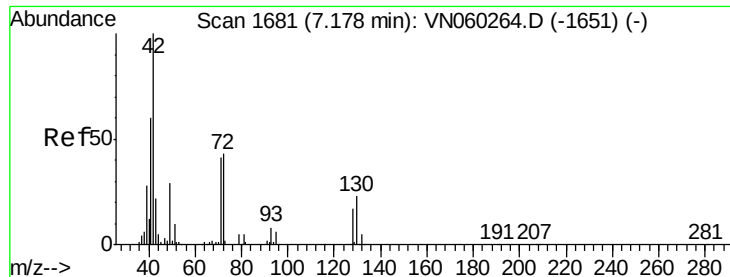


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 282.572 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

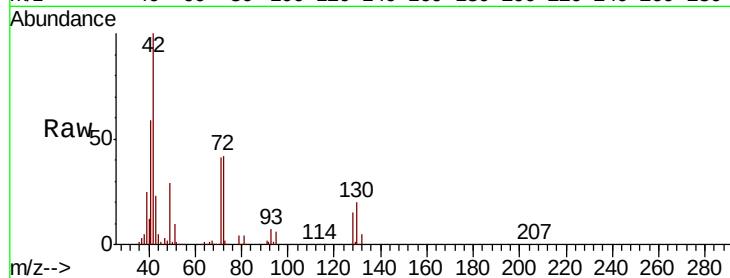
Tot Ion: 42 Resp: 275055

Ion Ratio Lower Upper

42 100

72 41.6 34.6 52.0

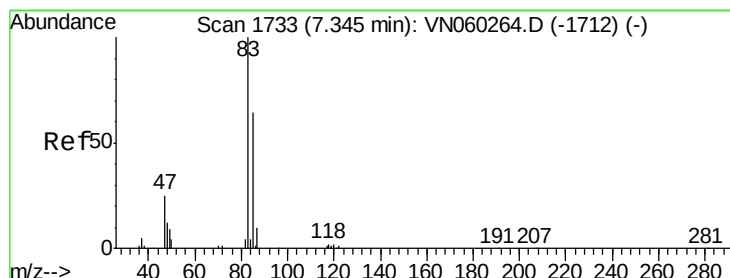
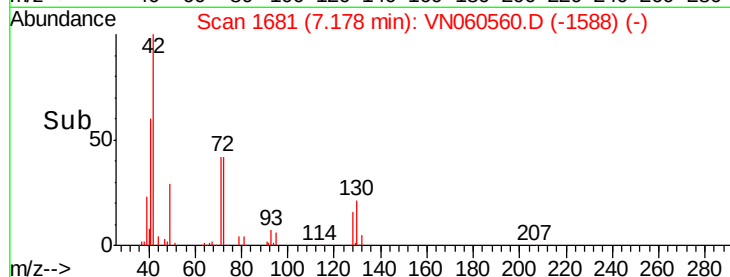
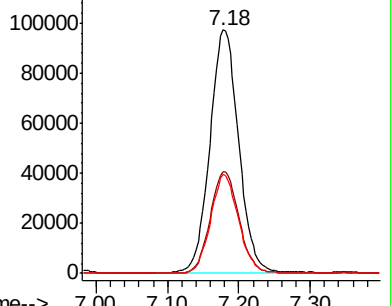
71 39.1 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060264.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060264.D (-1651) (-)



#30

Chloroform

Concen: 49.004 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN060560.D

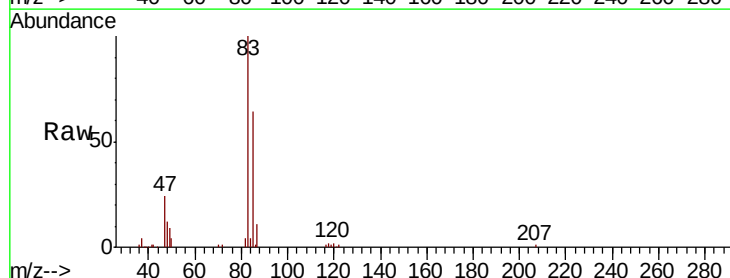
Acq: 17 Mar 2020 16:34

Tgt Ion: 83 Resp: 207246

Ion Ratio Lower Upper

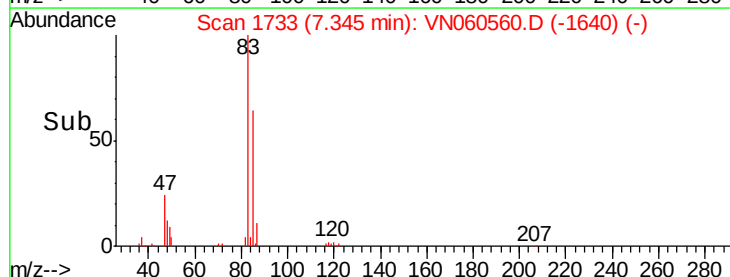
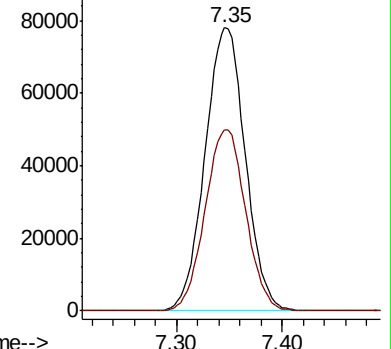
83 100

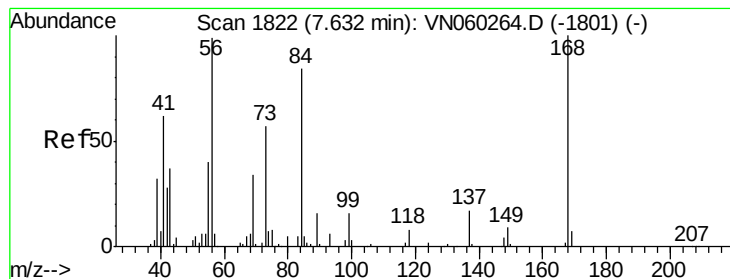
85 64.2 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060264.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN060264.D (-1712) (-)





#31

Cyclohexane

Concen: 46.632 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

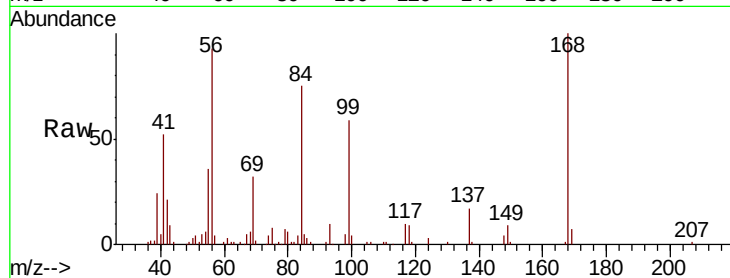
Tot Ion: 56 Resp: 169387

Ion Ratio Lower Upper

56 100

69 34.0 27.2 40.8

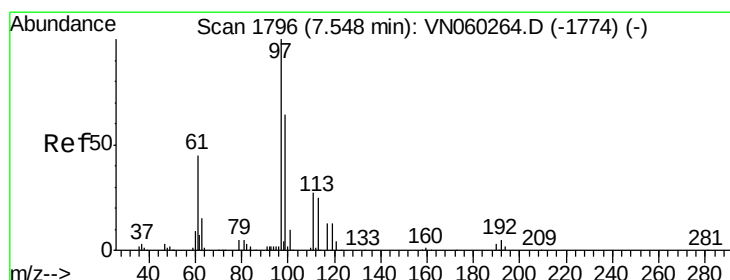
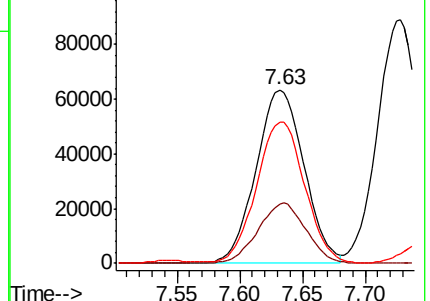
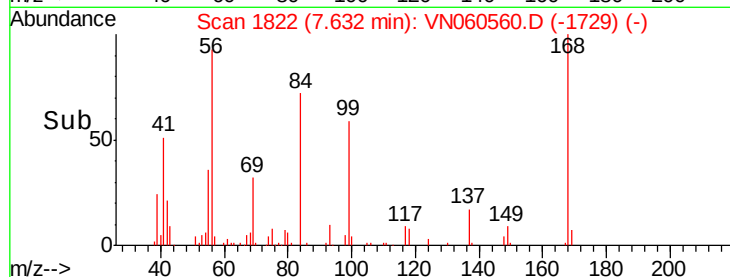
84 80.0 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN060560.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060560.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060560.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 46.536 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

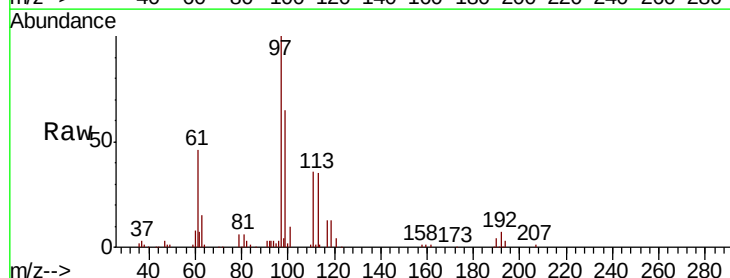
Tgt Ion: 97 Resp: 174372

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

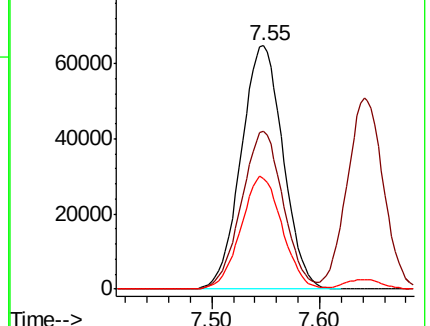
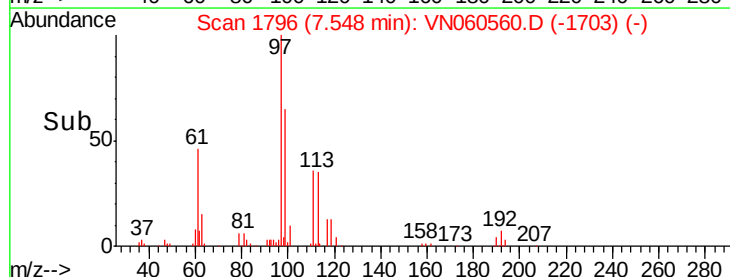
61 45.5 36.6 55.0

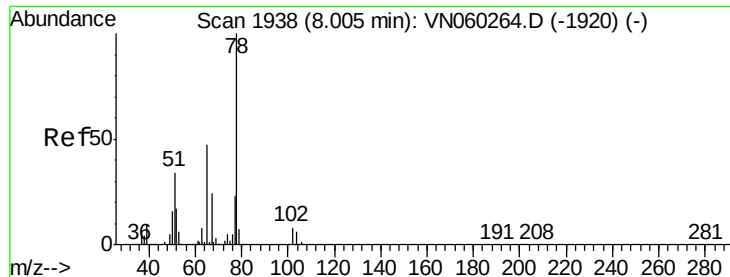


Abundance Ion 96.90 (96.60 to 97.60): VN060560.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060560.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060560.D (-1703) (-)

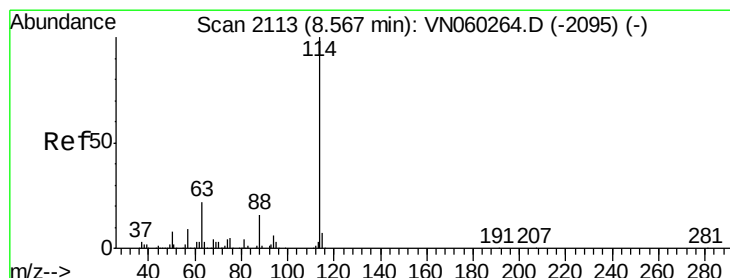
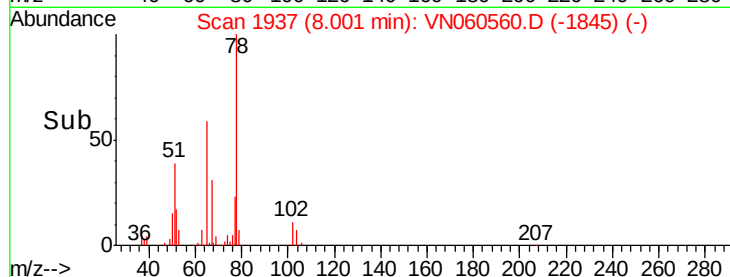
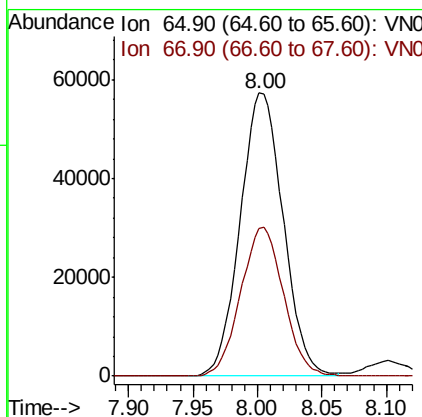
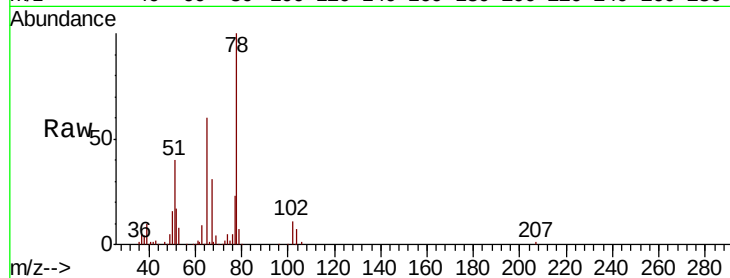




#33
 1,2-Dichloroethane-d4
 Concen: 49.678 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

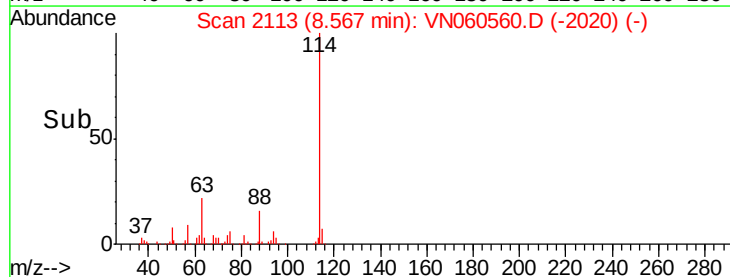
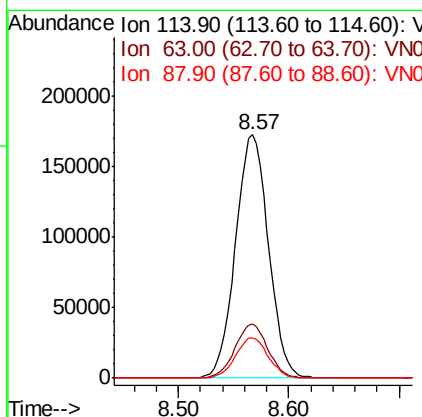
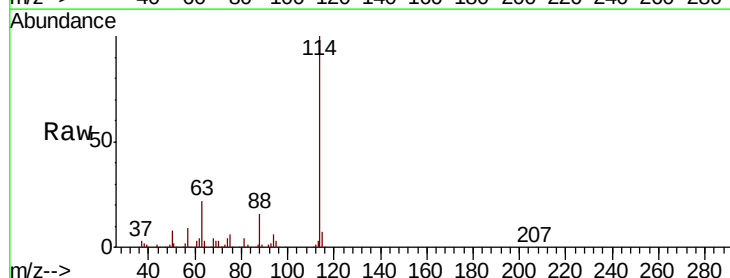
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

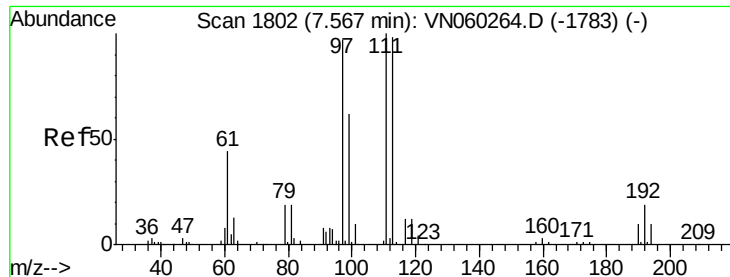
Tot Ion: 65 Resp: 133317
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion: 114 Resp: 357741
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.5 0.0 31.6

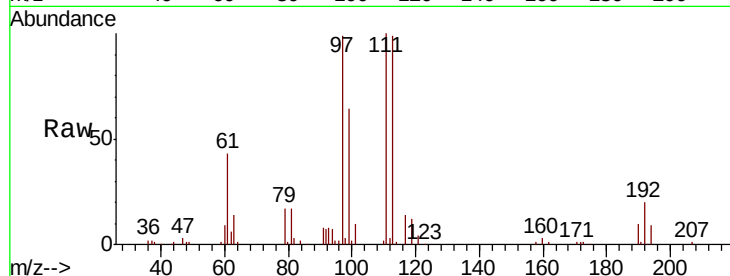




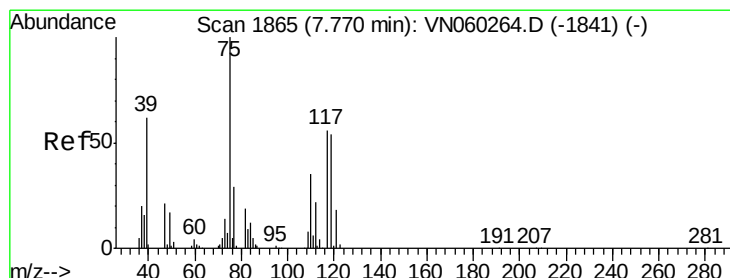
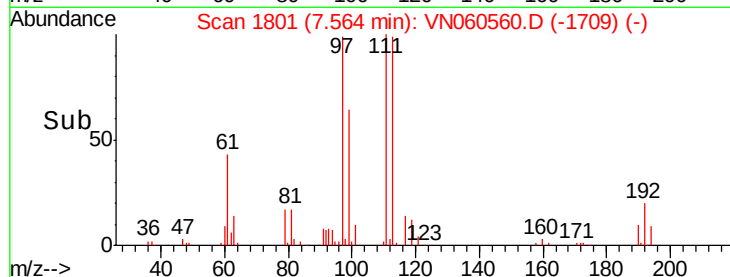
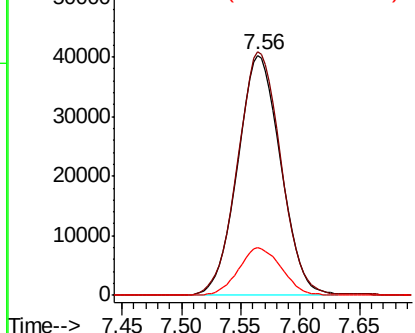
#35
 Dibromofluoromethane
 Concen: 60.831 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	19.8	16.2	24.2

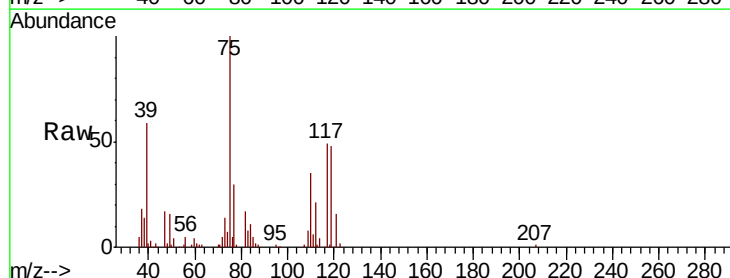


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

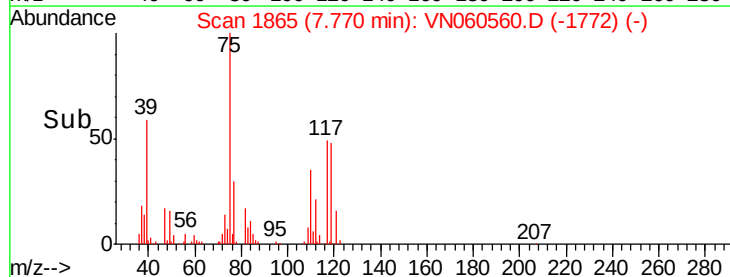
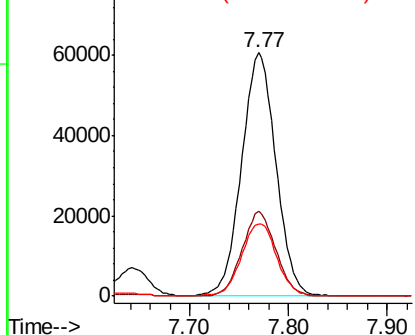


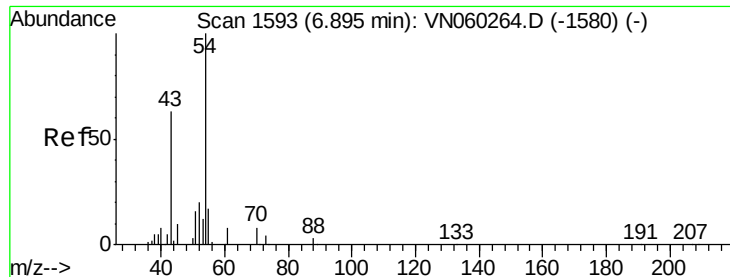
#36
 1,1-Dichloropropene
 Concen: 42.813 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.3	52.0
77	30.6	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

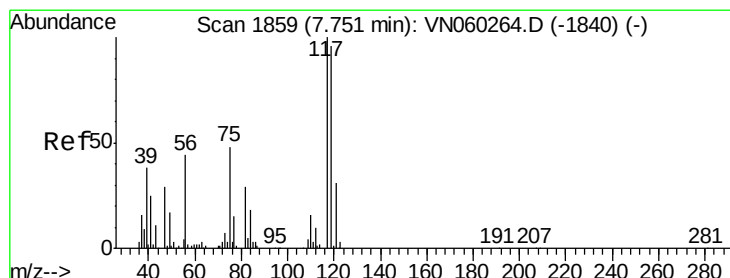
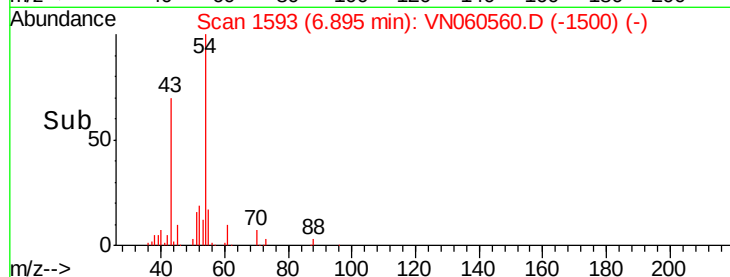
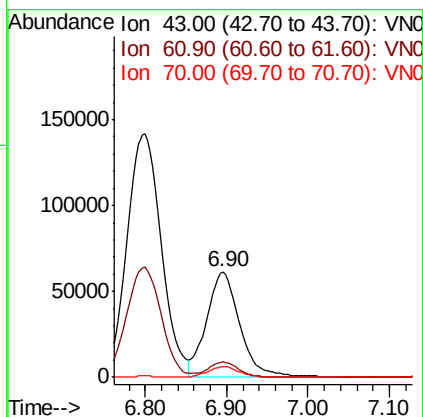
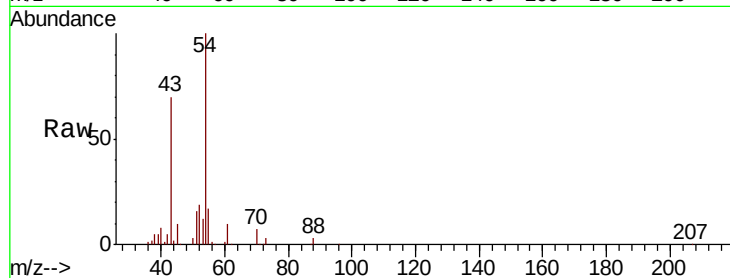




#37
Ethyl Acetate
Concen: 53.795 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

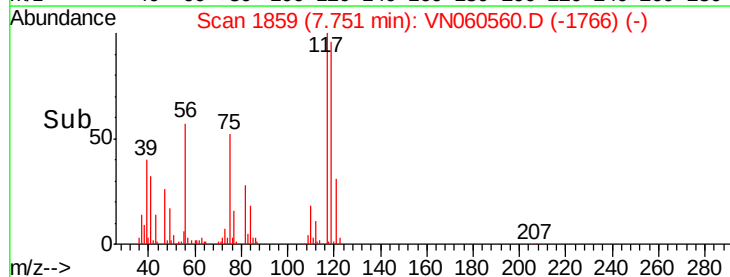
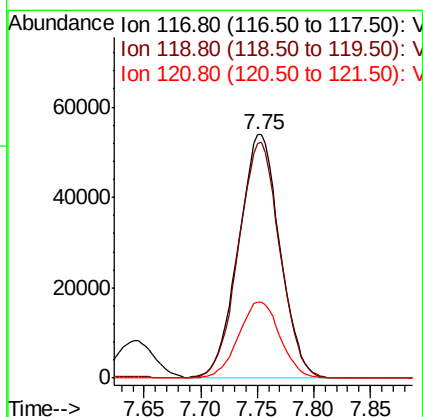
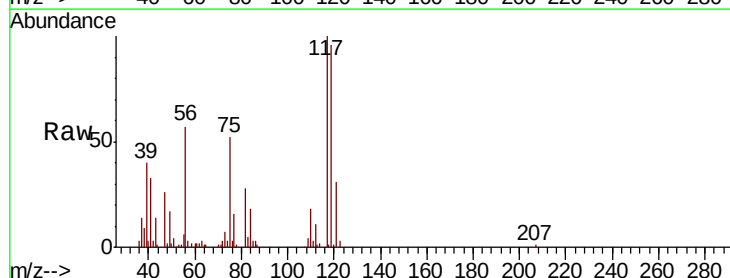
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

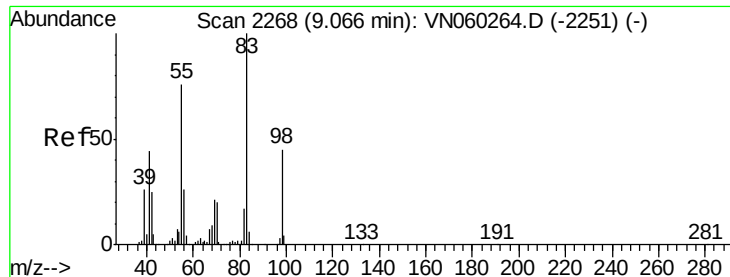
Tot Ion: 43 Resp: 173668
Ion Ratio Lower Upper
43 100
61 13.2 11.1 16.7
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 41.385 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 117 Resp: 137379
Ion Ratio Lower Upper
117 100
119 96.3 76.7 115.1
121 31.3 24.5 36.7

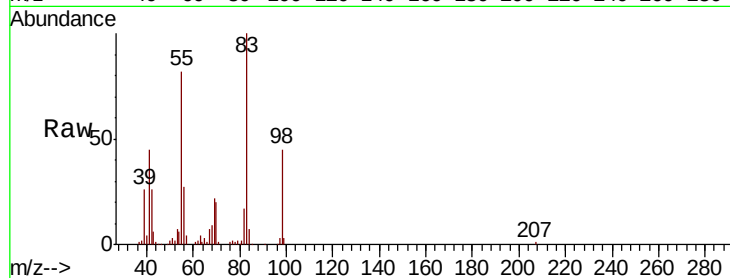




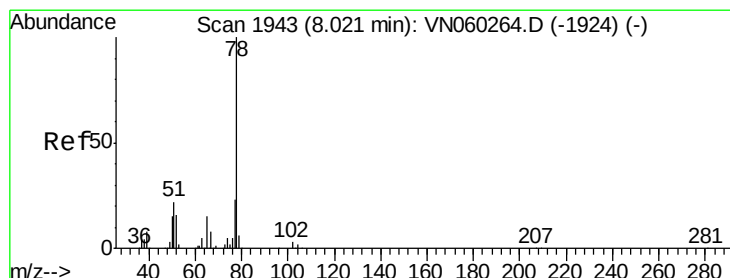
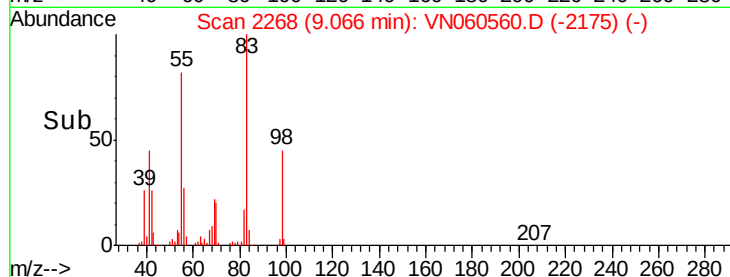
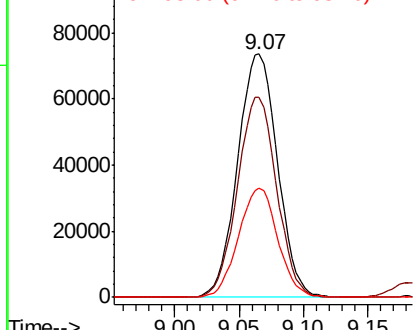
#39
Methylvlcyclohexane
Concen: 39.503 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 158799
Ion Ratio Lower Upper
83 100
55 82.3 61.0 91.4
98 45.0 36.1 54.1

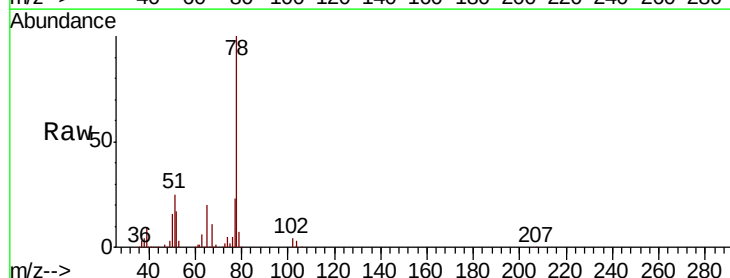


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

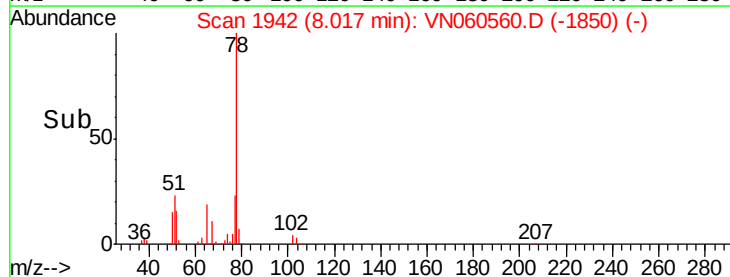
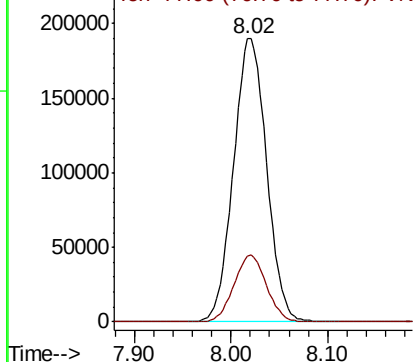


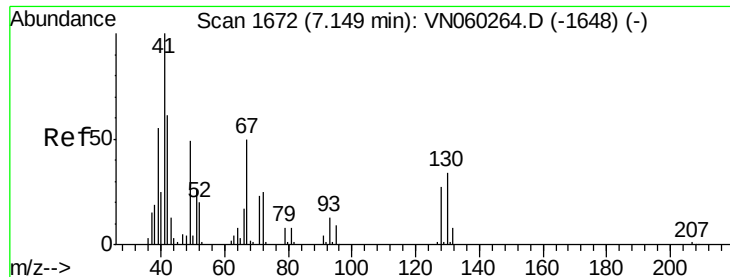
#40
Benzene
Concen: 45.576 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 78 Resp: 452265
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

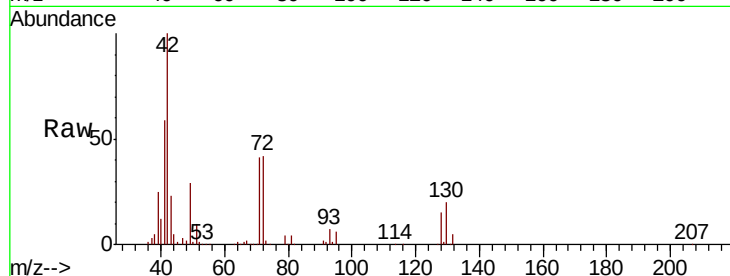




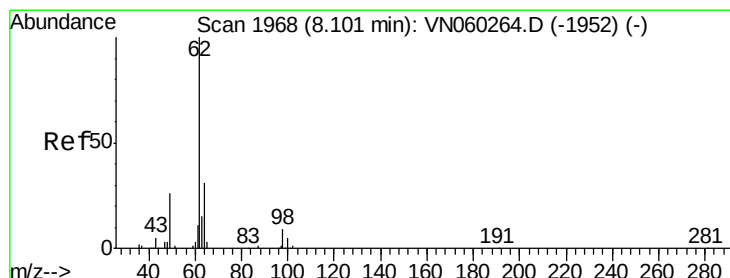
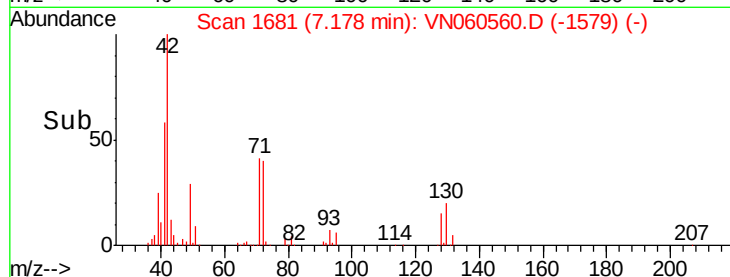
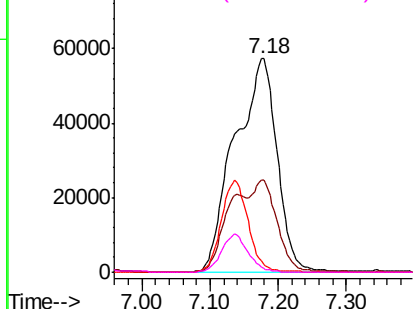
#41
Methacrylonitrile
Concen: 165.623 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	246884
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

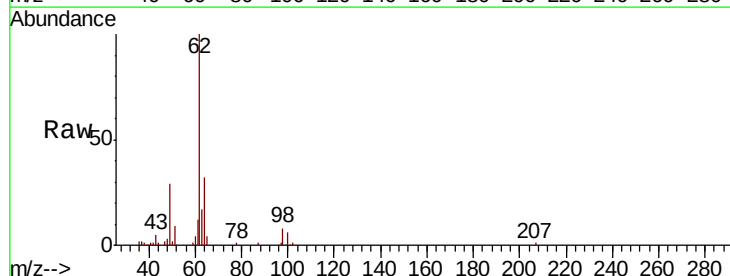


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

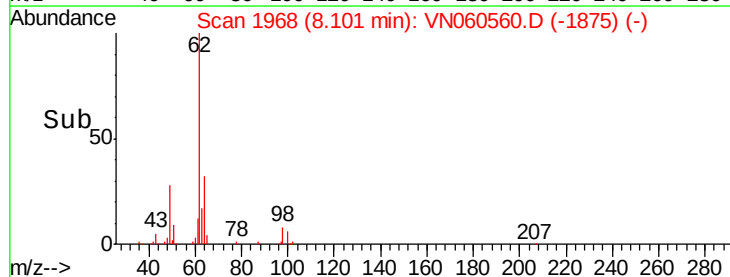
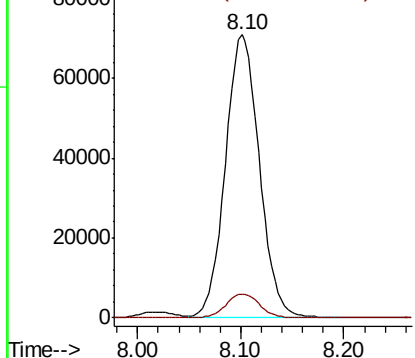


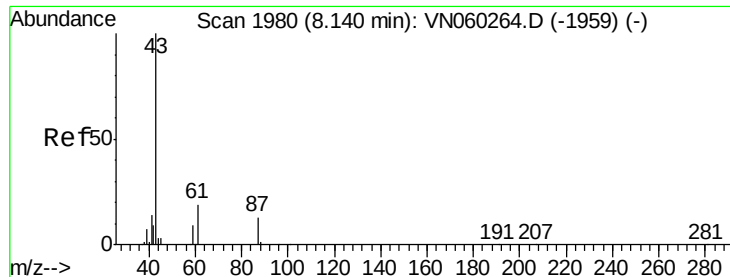
#42
1,2-Dichloroethane
Concen: 45.474 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion:	62	Resp:	162840
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0



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





#43

Isopropyl Acetate

Concen: 52.487 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

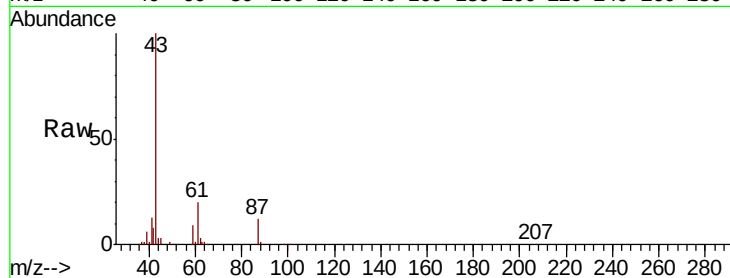
Tot Ion: 43 Resp: 296644

Ion Ratio Lower Upper

43 100

61 25.8 20.9 31.3

87 12.3 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)

150000

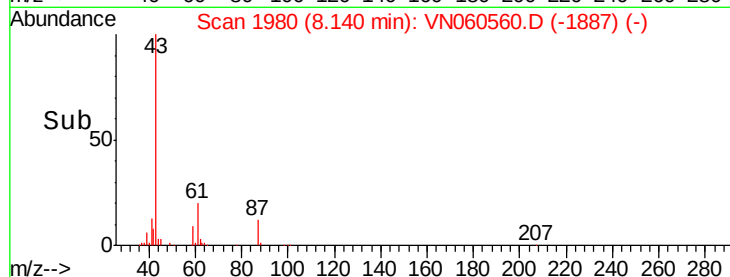
100000

50000

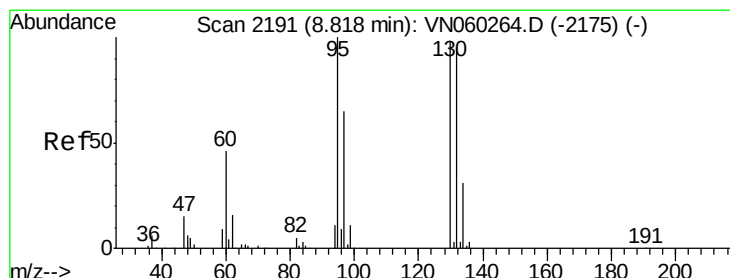
0

8.14

8.00 8.10 8.20



Time-->



#44

Trichloroethene

Concen: 41.337 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060560.D

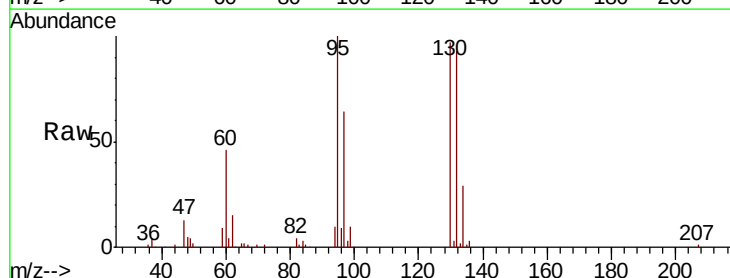
Acq: 17 Mar 2020 16:34

Tgt Ion:130 Resp: 114246

Ion Ratio Lower Upper

130 100

95 103.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

60000

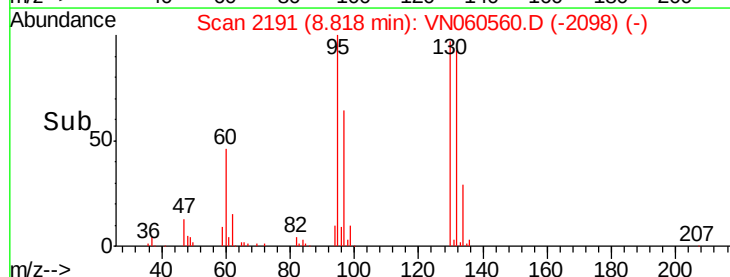
40000

20000

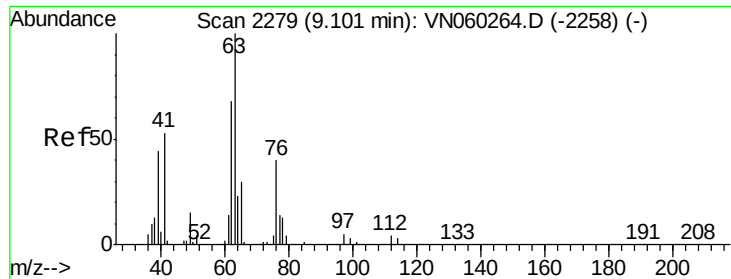
0

8.82

8.75 8.80 8.85 8.90



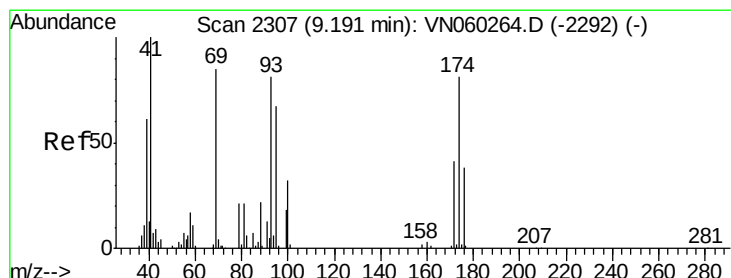
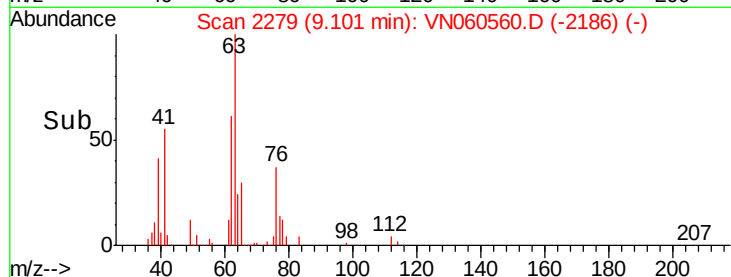
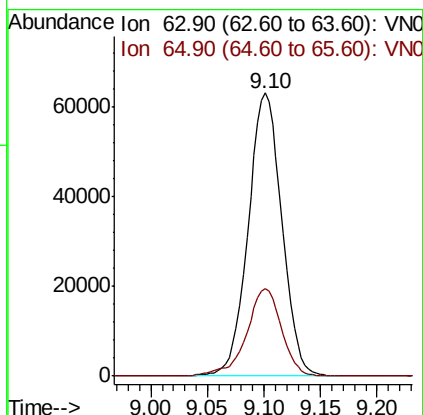
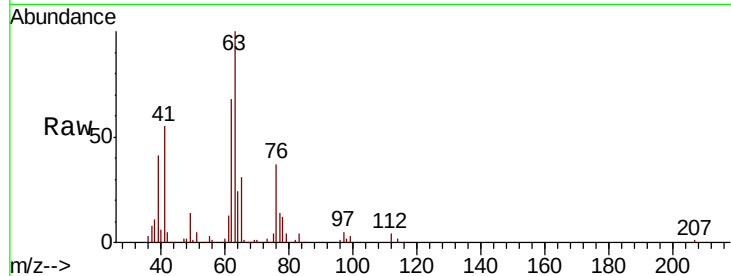
Time-->



#45
 1,2-Dichloropropane
 Concen: 50.281 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

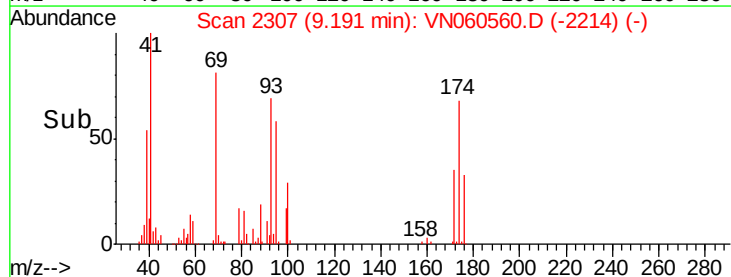
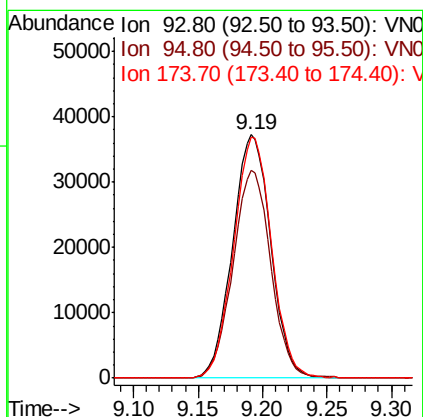
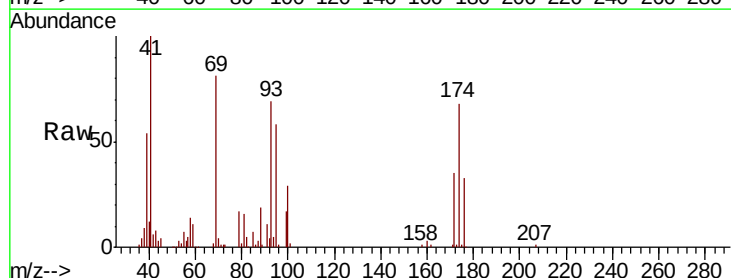
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

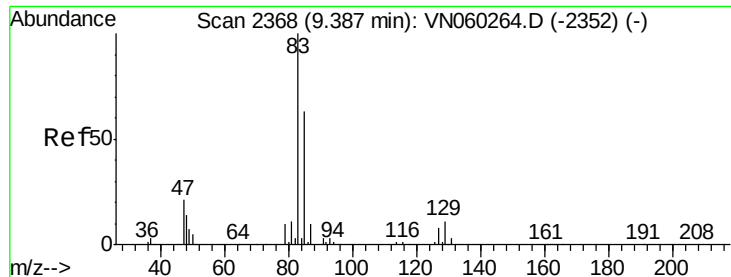
Tot Ion: 63 Resp: 130454
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6



#46
 Dibromomethane
 Concen: 45.656 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion: 93 Resp: 76861
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.9 98.9
 174 98.2 79.6 119.4

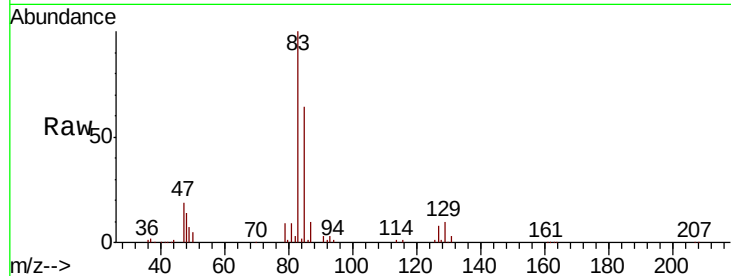




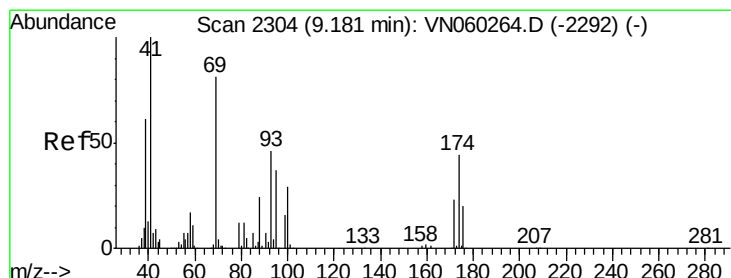
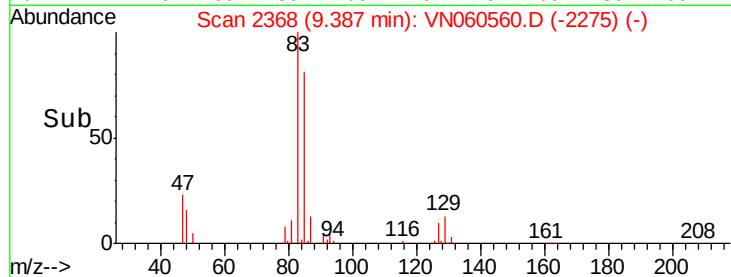
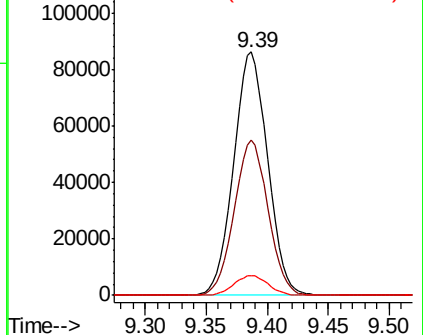
#47
Bromodichloromethane
Concen: 48.496 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 166049
Ion Ratio Lower Upper
83 100
85 63.9 50.7 76.1
127 8.2 6.8 10.2

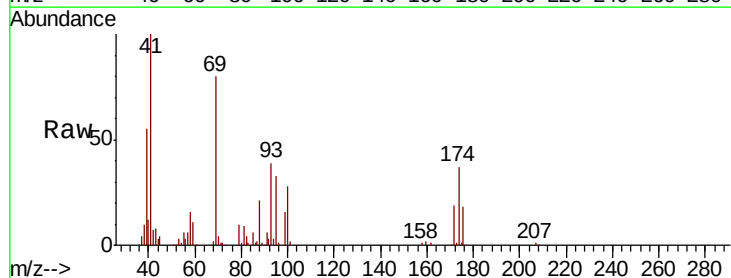


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

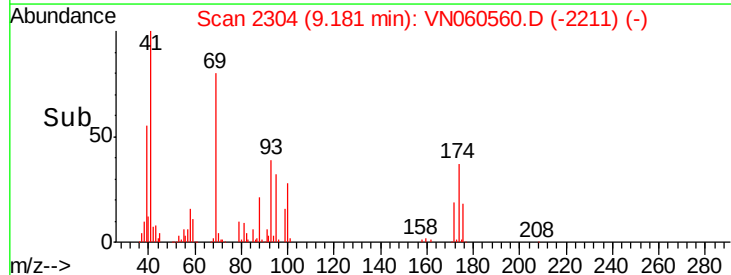
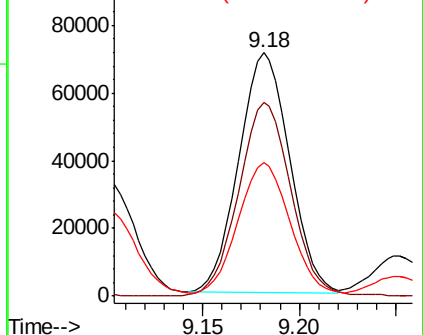


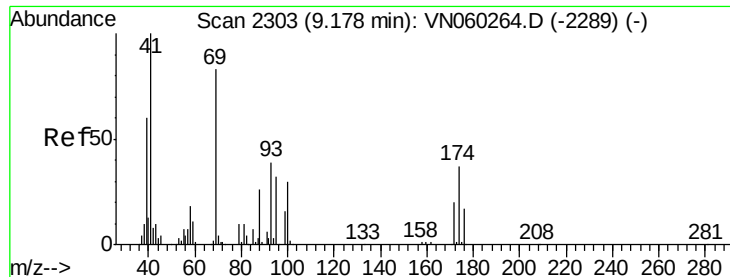
#48
Methyl methacrylate
Concen: 50.542 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 41 Resp: 130259
Ion Ratio Lower Upper
41 100
69 82.9 66.7 100.1
39 57.0 50.1 75.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

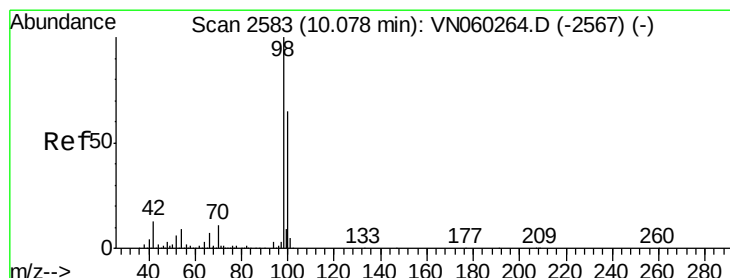
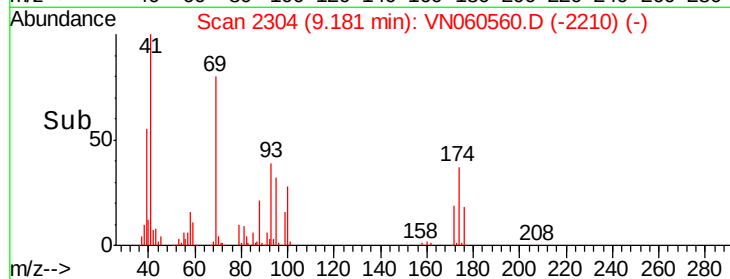
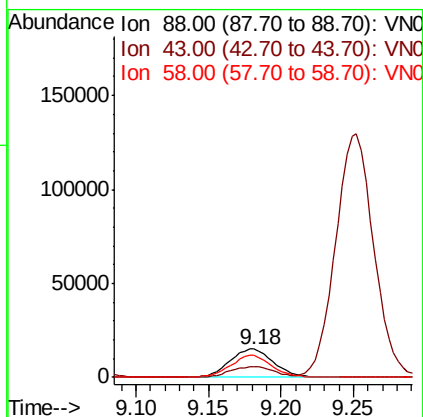
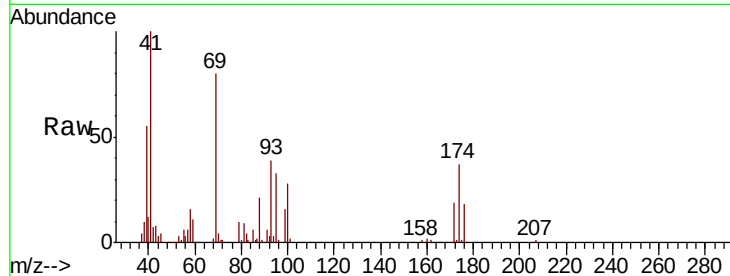




#49
 1,4-Dioxane
 Concen: 871.527 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

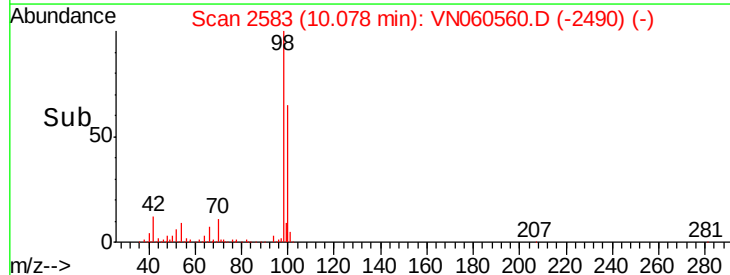
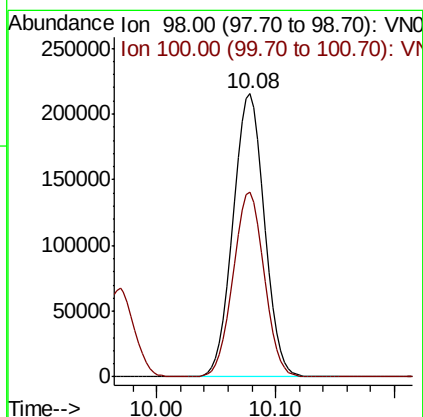
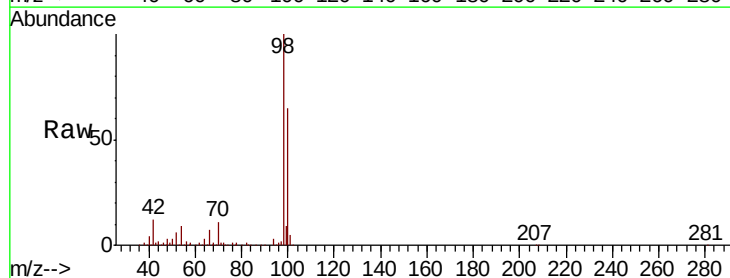
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

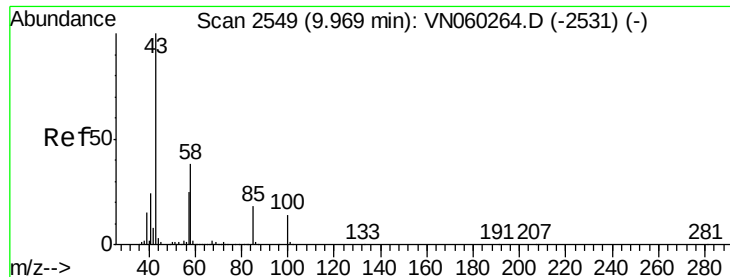
Tot Ion: 88 Resp: 31587
 Ion Ratio Lower Upper
 88 100
 43 38.4 30.4 45.6
 58 73.5 57.0 85.6



#50
 Toluene-d8
 Concen: 46.899 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion: 98 Resp: 394142
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.2 78.2

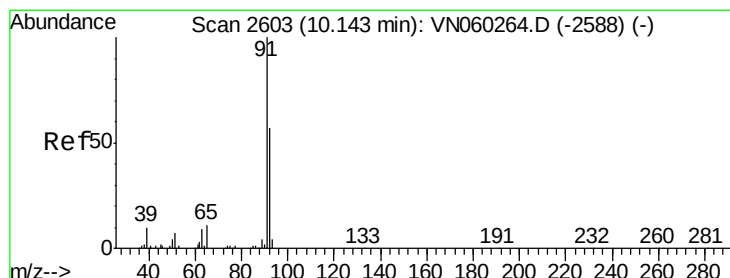
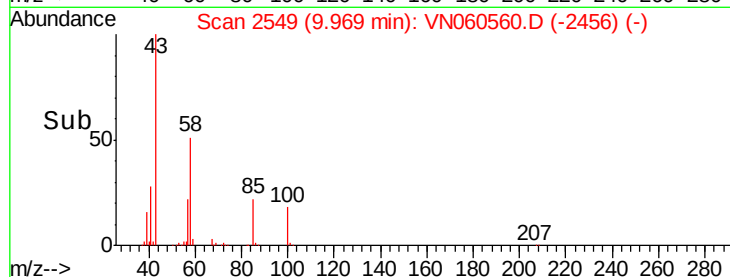
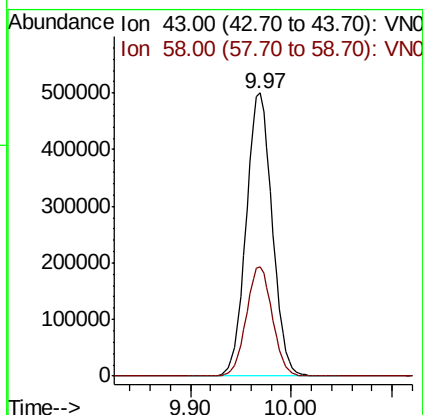
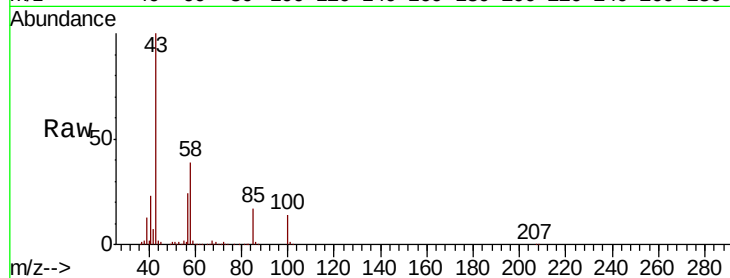




#51
4-Methyl-2-Pentanone
Concen: 276.470 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

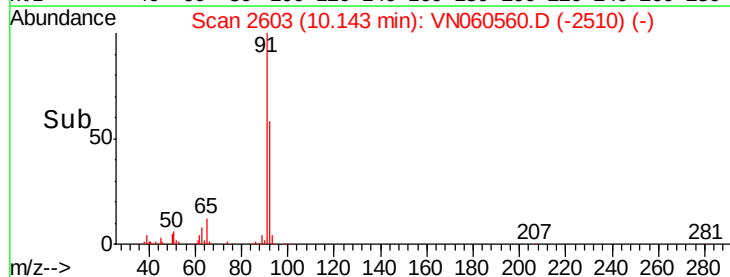
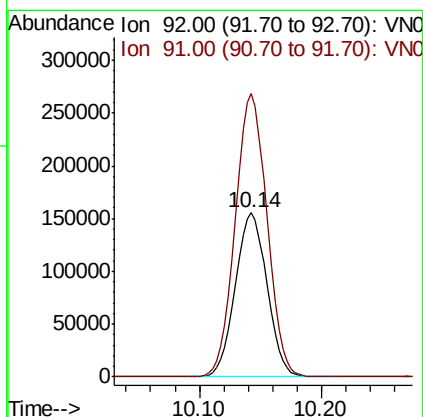
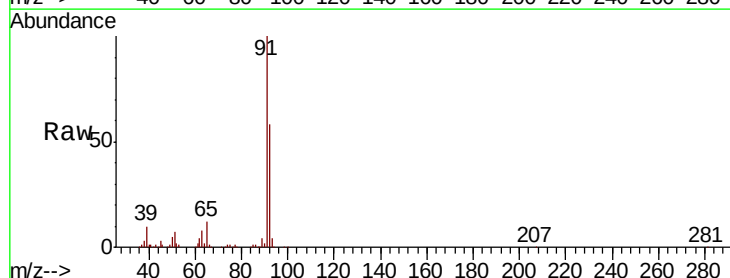
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

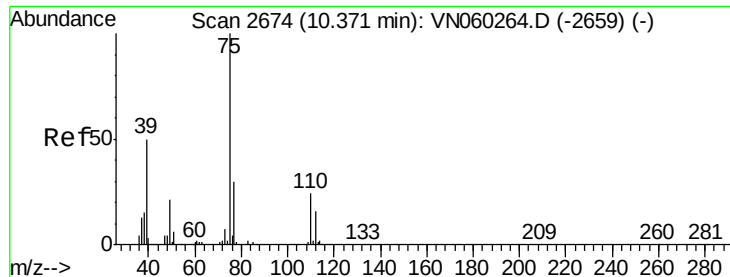
Tot Ion: 43 Resp: 885929
Ion Ratio Lower Upper
43 100
58 38.6 30.9 46.3



#52
Toluene
Concen: 44.758 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 92 Resp: 278998
Ion Ratio Lower Upper
92 100
91 173.1 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 45.508 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

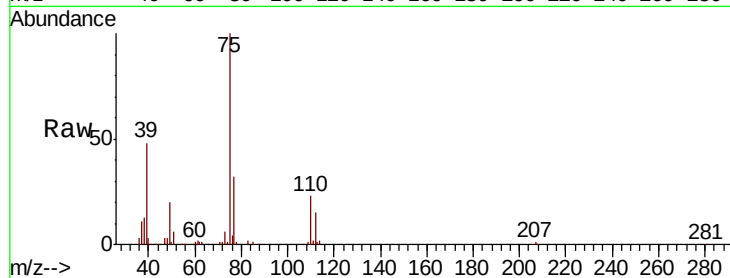
VSTDCCC050EC

Tot Ion: 75 Resp: 190928

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN060560.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN060560.D (-2581) (-)

10.37

120000

100000

80000

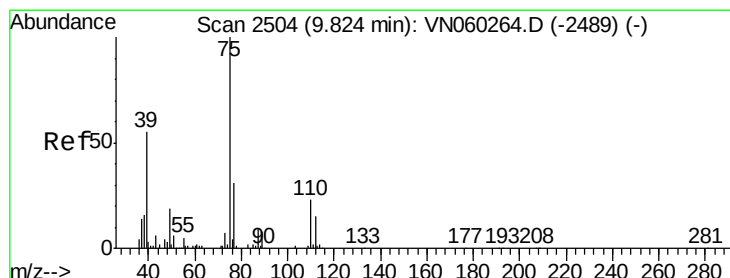
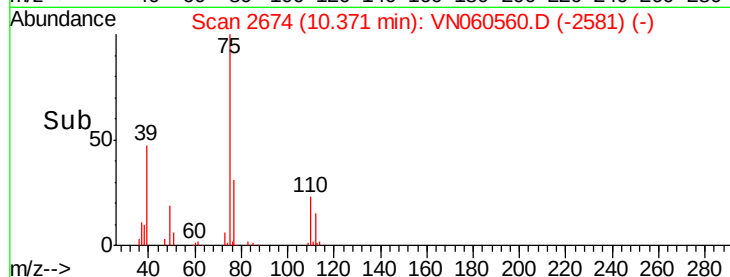
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.300 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

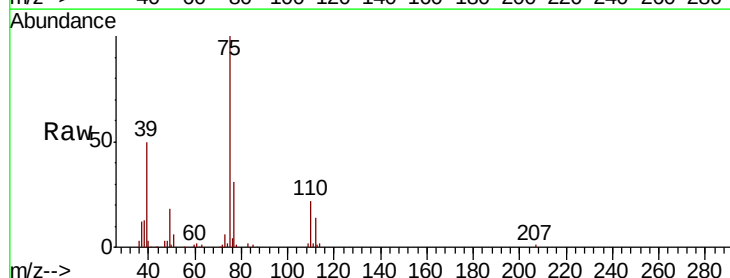
Tgt Ion: 75 Resp: 201282

Ion Ratio Lower Upper

75 100

77 30.9 24.8 37.2

39 50.1 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN060560.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060560.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060560.D (-2411) (-)

9.82

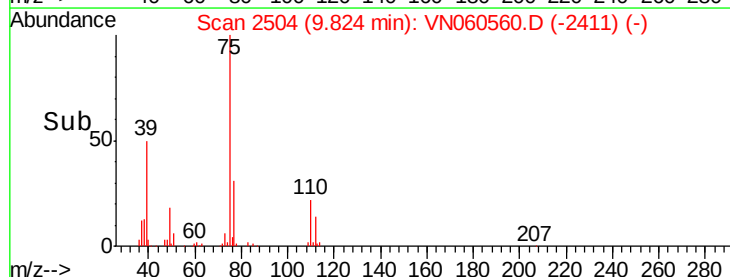
150000

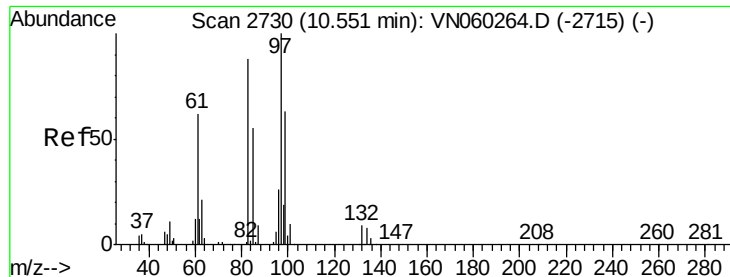
100000

50000

0

Time-->

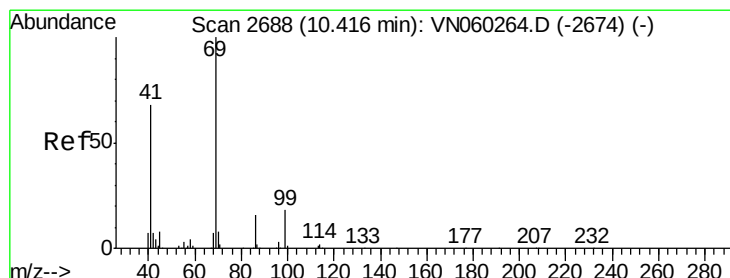
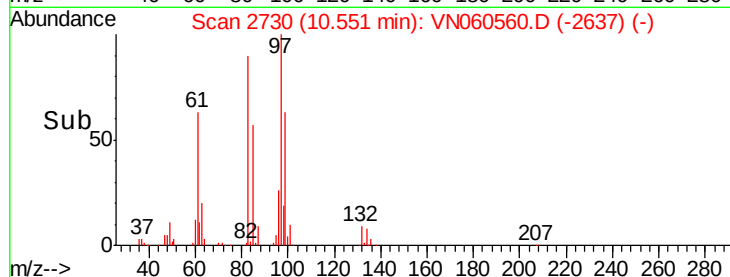
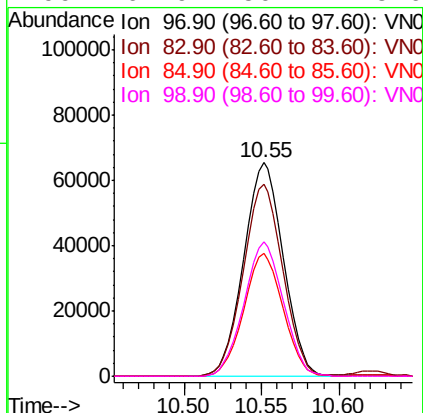
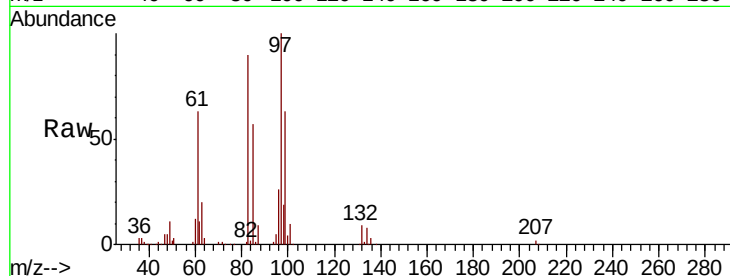




#55
 1,1,2-Trichloroethane
 Concen: 46.584 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

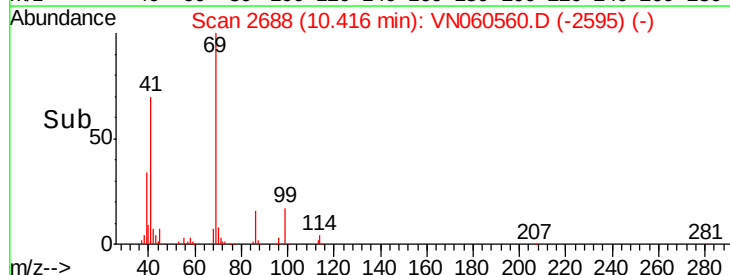
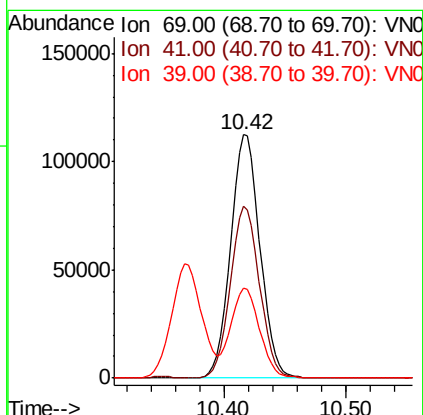
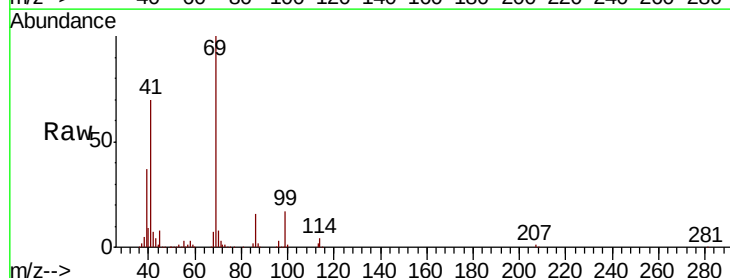
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

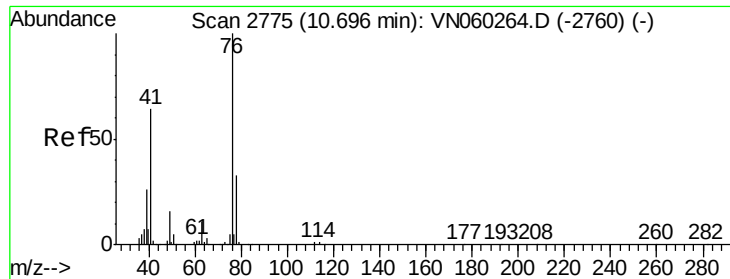
Tot Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.0	105.0
85	57.4	44.0	66.0
99	62.9	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 52.352 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.1	81.1
39	36.7	32.5	48.7





#57

1,3-Dichloropropane

Concen: 48.954 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

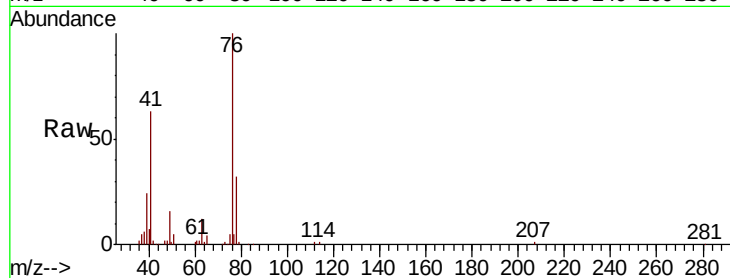
VSTDCCC050EC

Tot Ion: 76 Resp: 200125

Ion Ratio Lower Upper

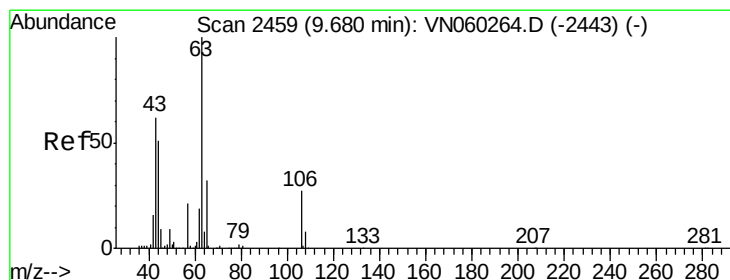
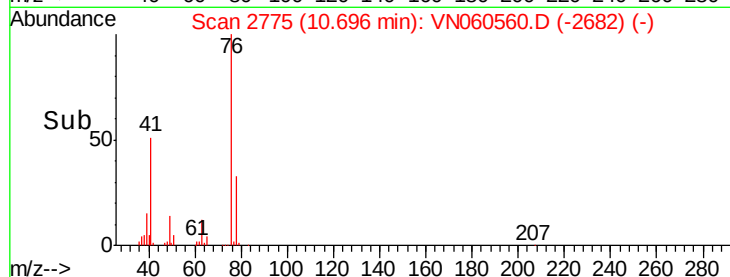
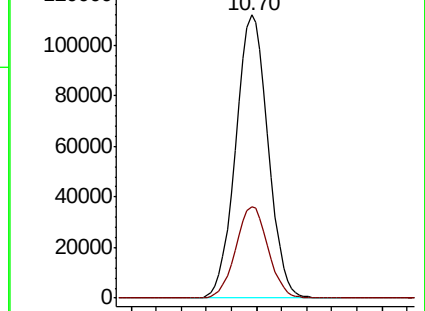
76 100

78 32.4 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060560.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060560.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 249.516 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060560.D

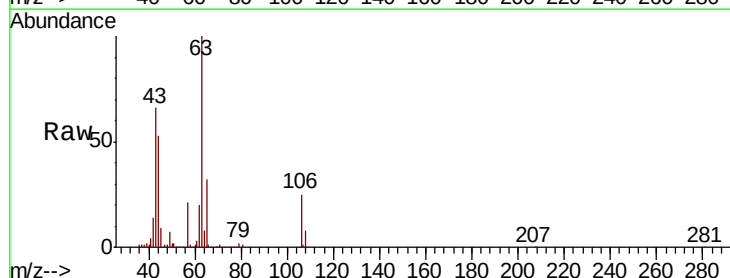
Acq: 17 Mar 2020 16:34

Tgt Ion: 63 Resp: 469971

Ion Ratio Lower Upper

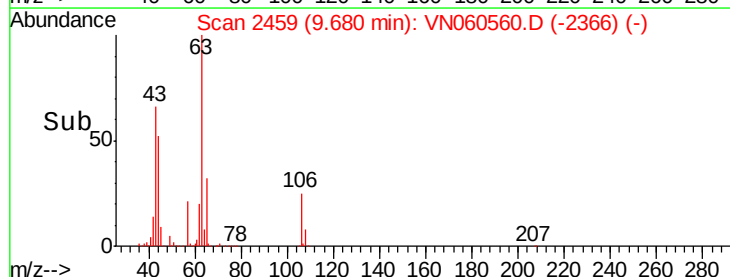
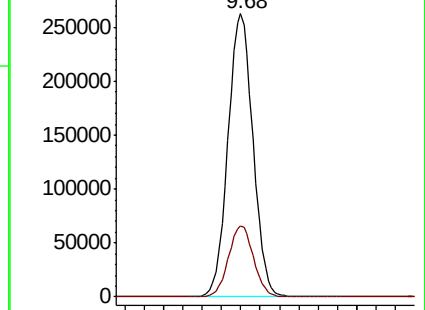
63 100

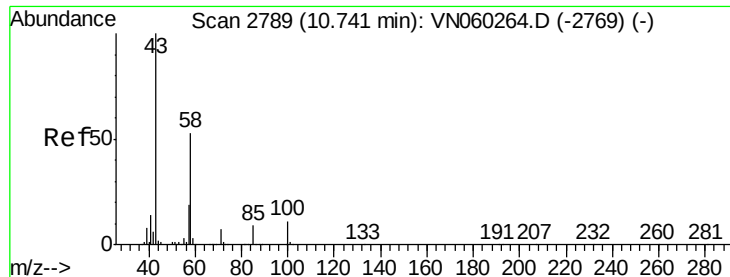
106 25.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060560.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060560.D (-2366) (-)

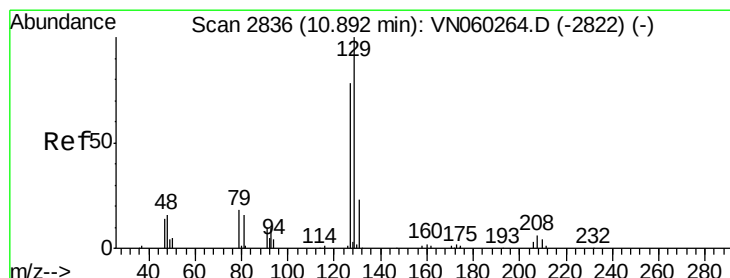
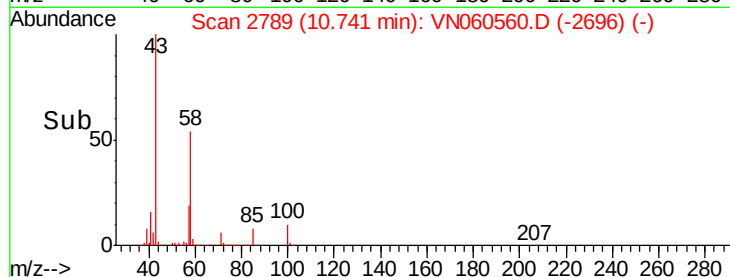
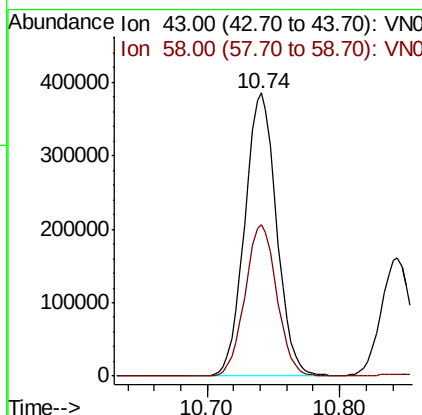
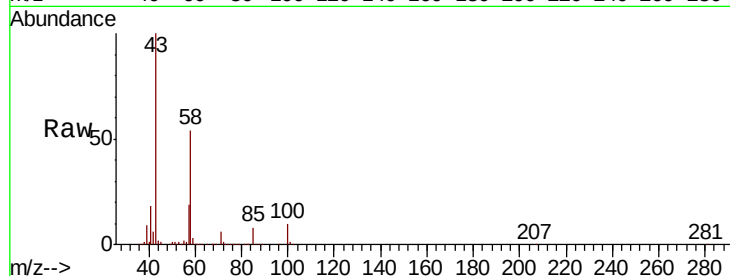




#59
2-Hexanone
Concen: 272.540 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

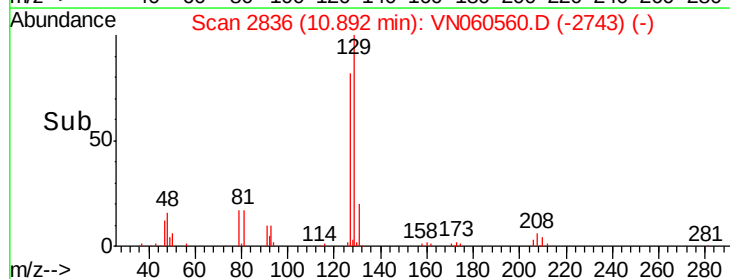
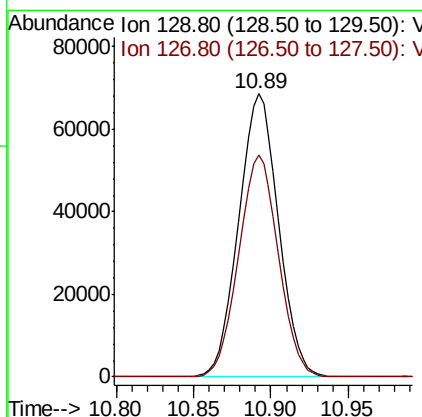
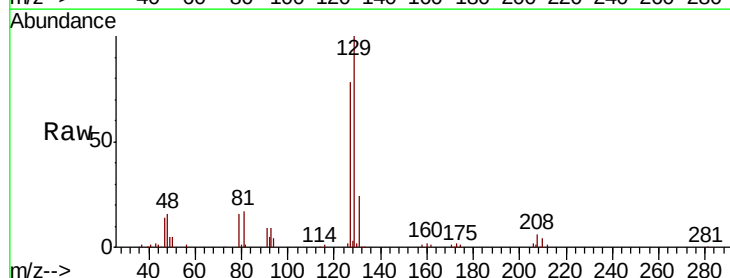
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

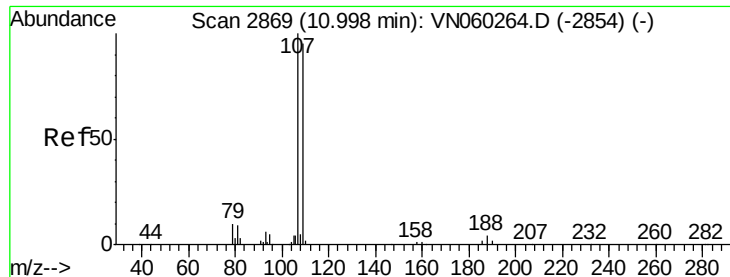
Tot Ion: 43 Resp: 641223
Ion Ratio Lower Upper
43 100
58 53.6 26.5 79.5



#60
Dibromochloromethane
Concen: 48.132 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 129 Resp: 122701
Ion Ratio Lower Upper
129 100
127 78.1 38.9 116.7





#61

1,2-Dibromoethane

Concen: 46.832 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

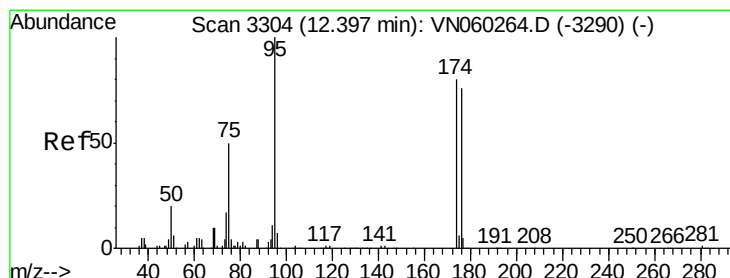
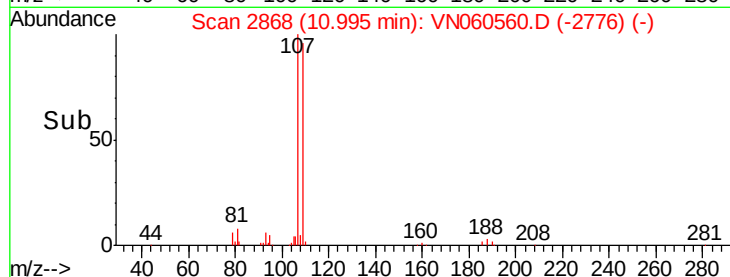
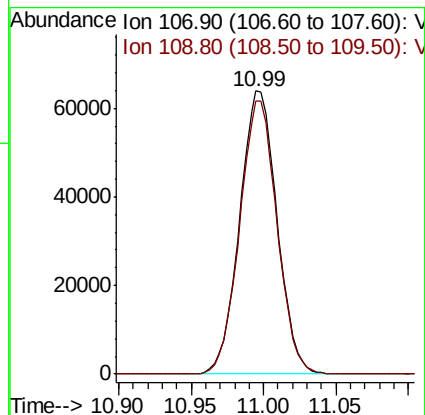
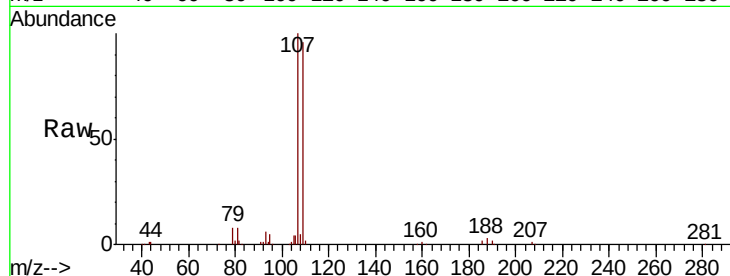
VSTDCCC050EC

Tot Ion:107 Resp: 114441

Ion Ratio Lower Upper

107 100

109 96.4 76.8 115.2



#62

4-Bromofluorobenzene

Concen: 47.874 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

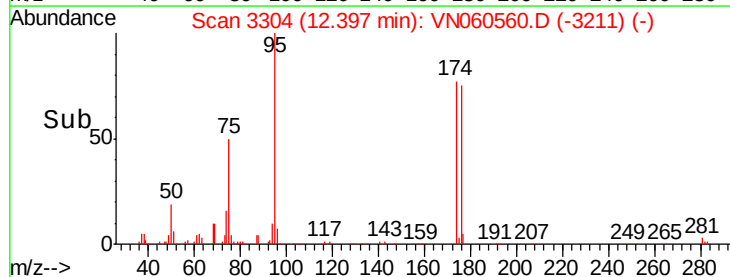
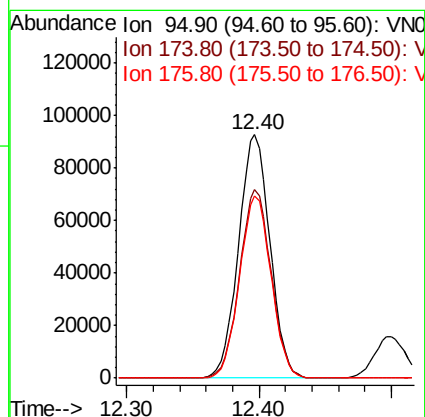
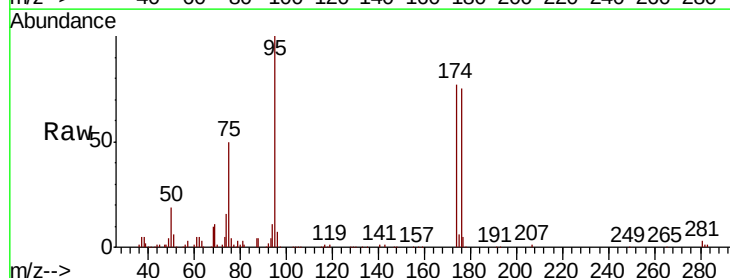
Tgt Ion: 95 Resp: 152515

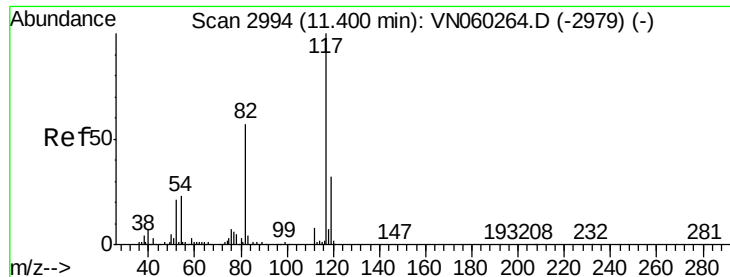
Ion Ratio Lower Upper

95 100

174 77.7 0.0 159.2

176 75.3 0.0 153.8

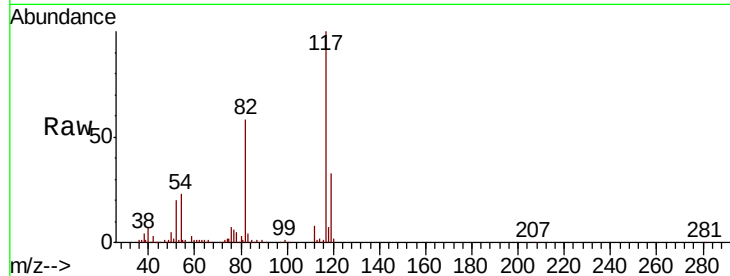




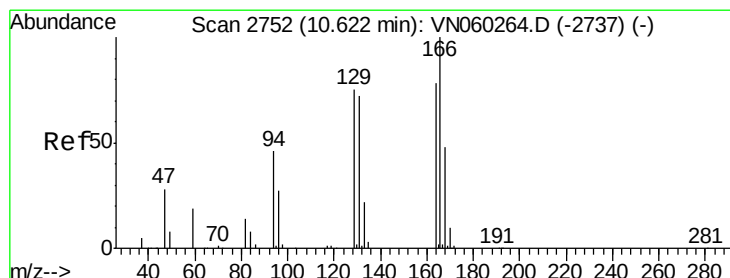
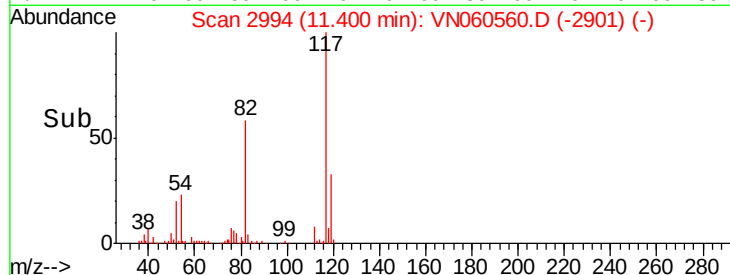
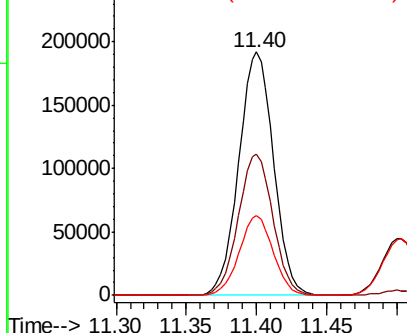
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 331594
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.6
119 32.6 25.8 38.8



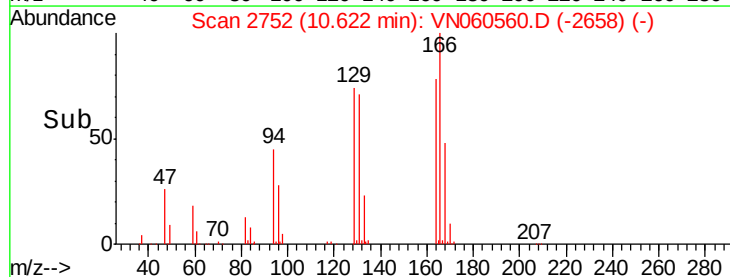
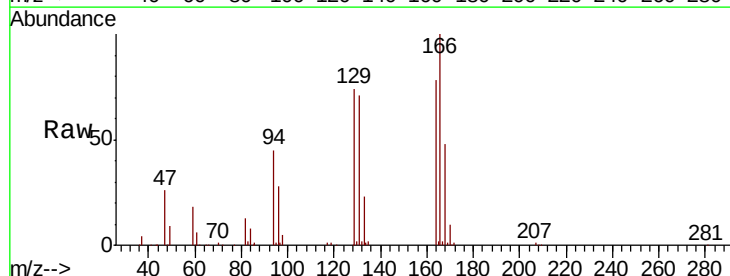
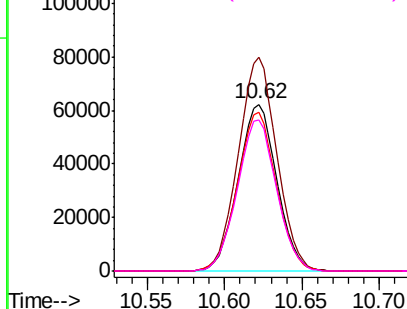
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

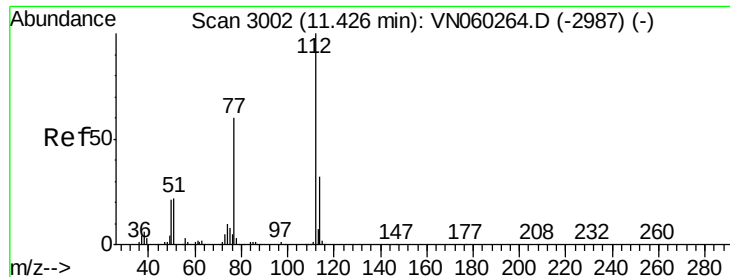


#64
Tetrachloroethene
Concen: 41.245 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion:164 Resp: 108329
Ion Ratio Lower Upper
164 100
166 128.2 102.0 153.0
129 95.0 76.4 114.6
131 90.9 73.6 110.4

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

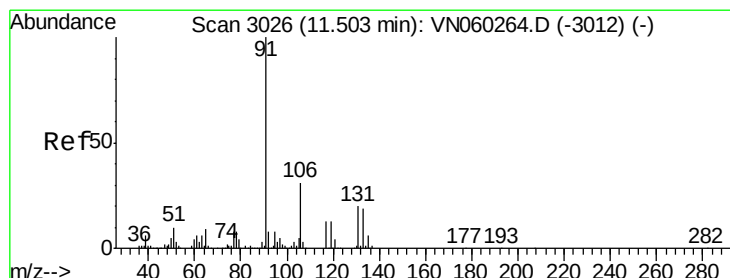
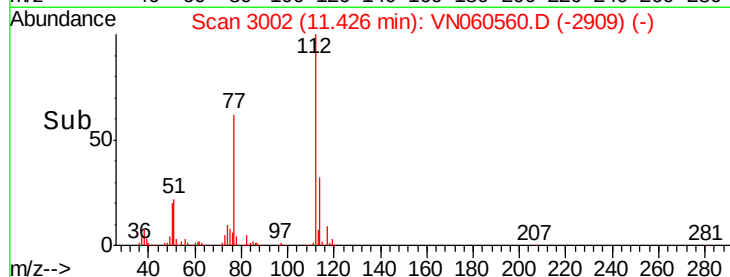
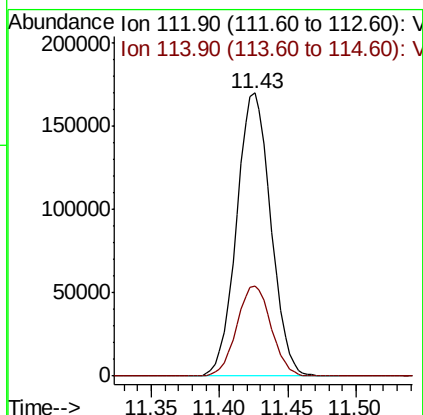
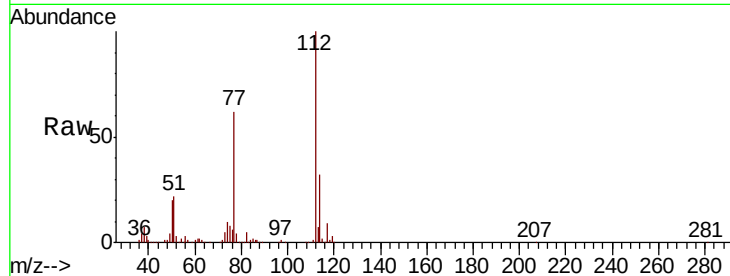




#65
Chlorobenzene
Concen: 44.091 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

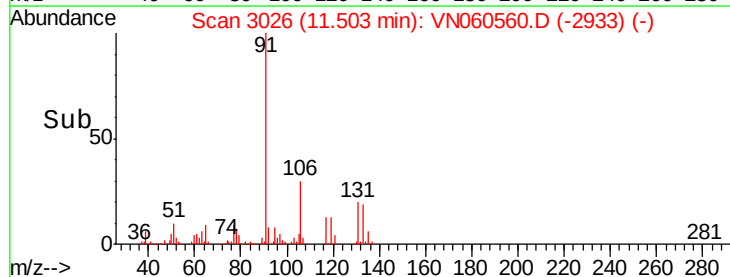
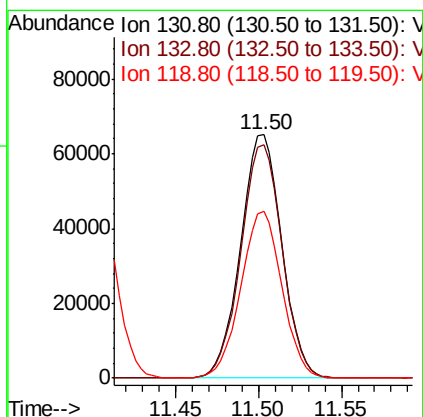
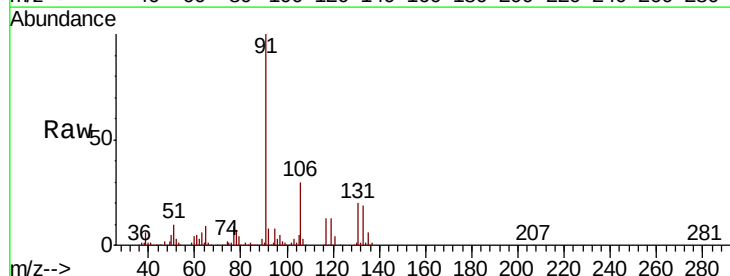
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

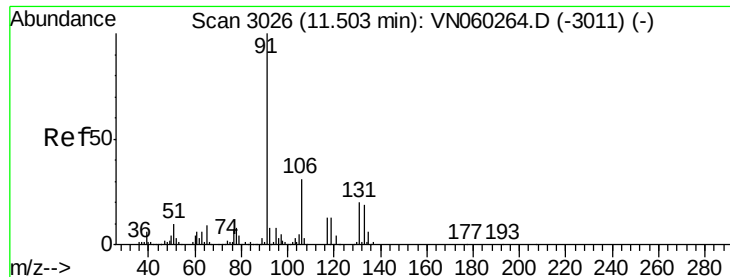
Tot Ion:112 Resp: 295220
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 45.468 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion:131 Resp: 112566
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 68.3 33.2 99.6





#67

Ethyl Benzene

Concen: 44.742 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

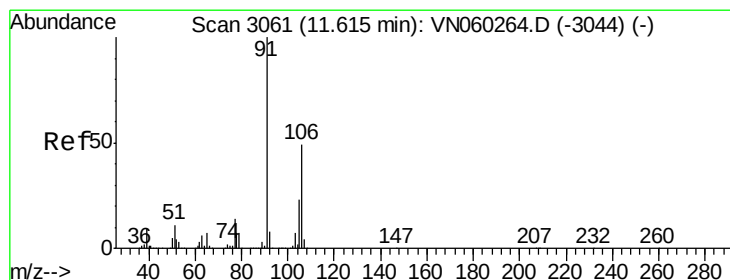
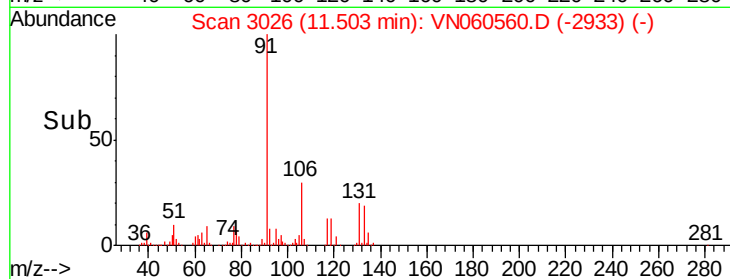
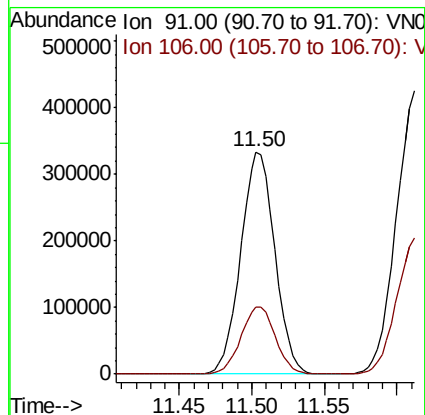
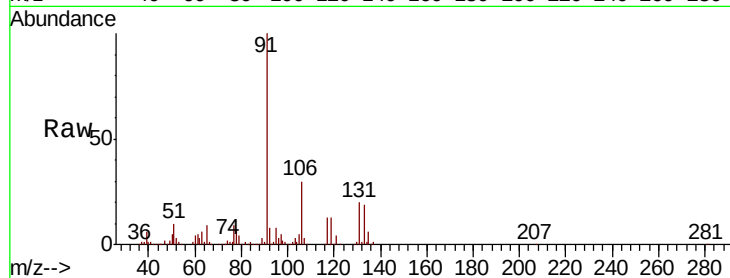
VSTDCCC050EC

Tot Ion: 91 Resp: 545558

Ion Ratio Lower Upper

91 100

106 30.4 24.7 37.1



#68

m/p-Xylenes

Concen: 86.189 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060560.D

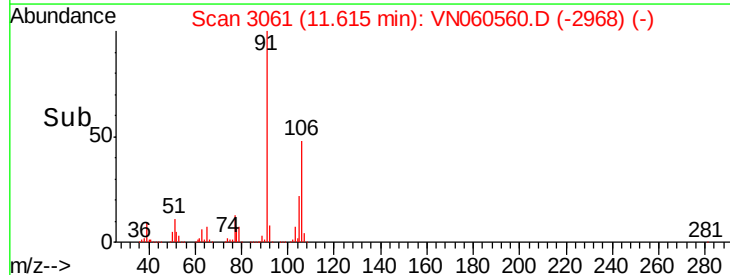
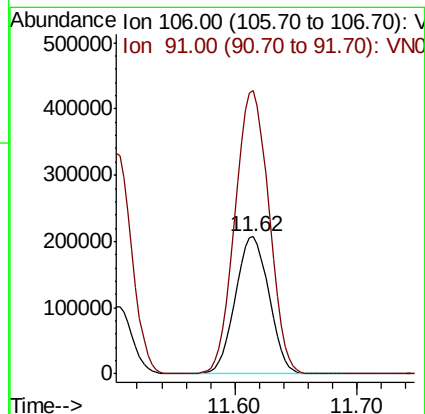
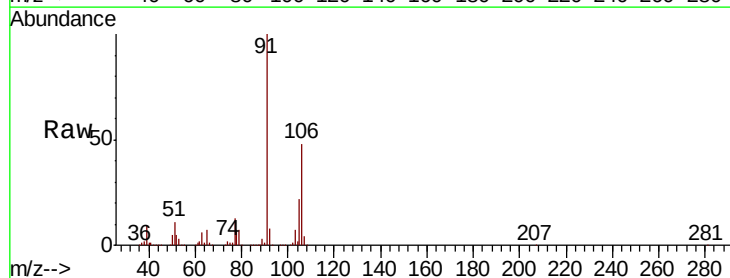
Acq: 17 Mar 2020 16:34

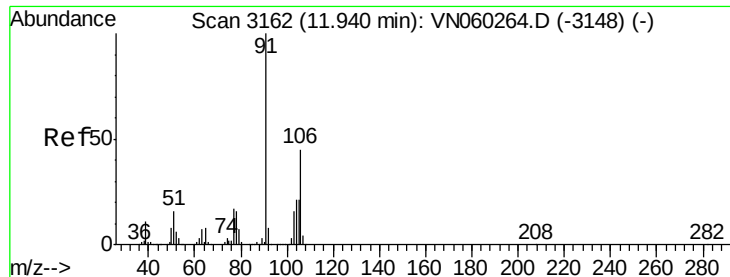
Tgt Ion: 106 Resp: 396512

Ion Ratio Lower Upper

106 100

91 208.8 164.5 246.7

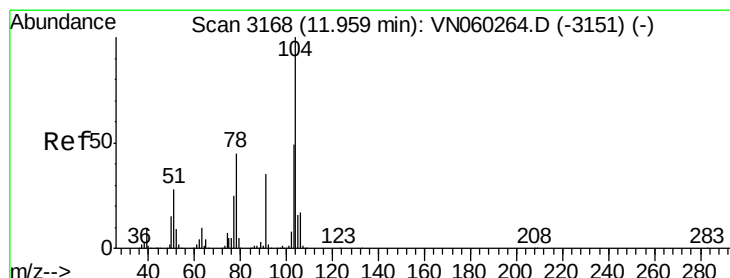
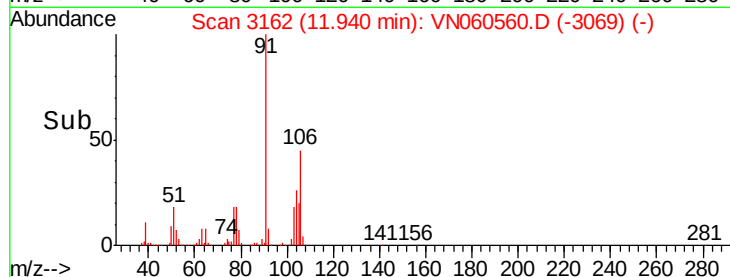
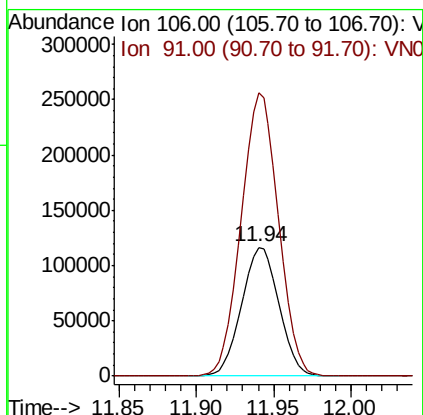
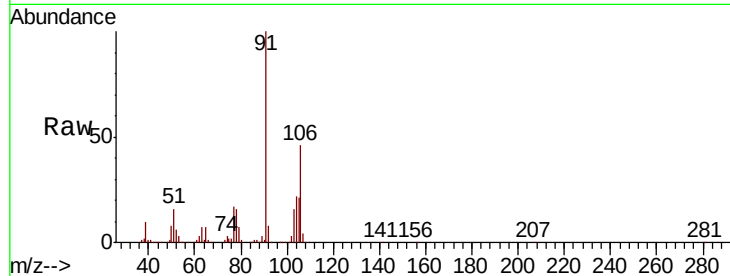




#69
o-Xylene
Concen: 44.713 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

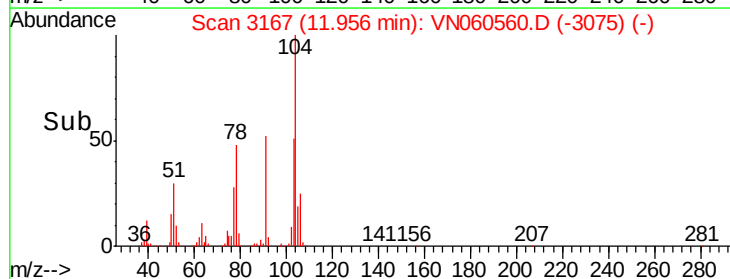
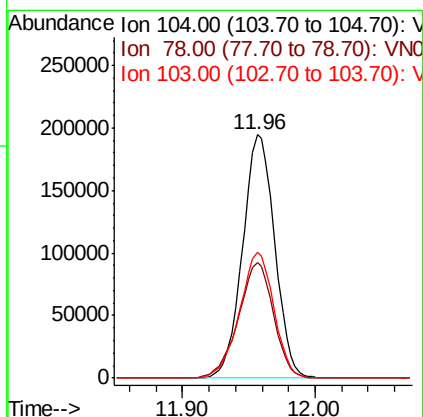
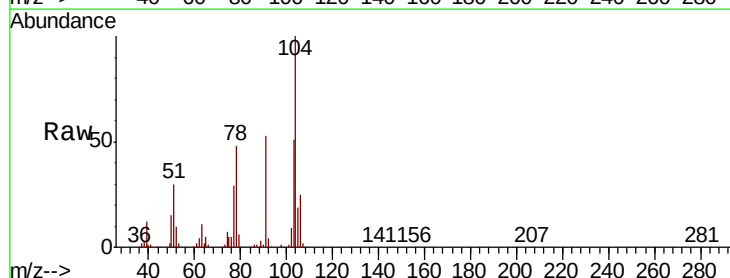
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

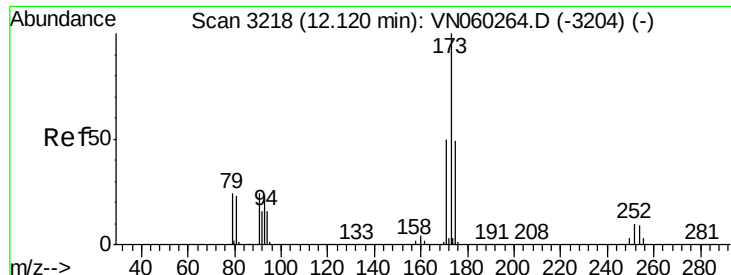
Tot Ion:106 Resp: 196156
Ion Ratio Lower Upper
106 100
91 219.0 109.5 328.4



#70
Styrene
Concen: 45.496 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion:104 Resp: 328154
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 55.5 43.9 65.9





#71

Bromoform

Concen: 50.642 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

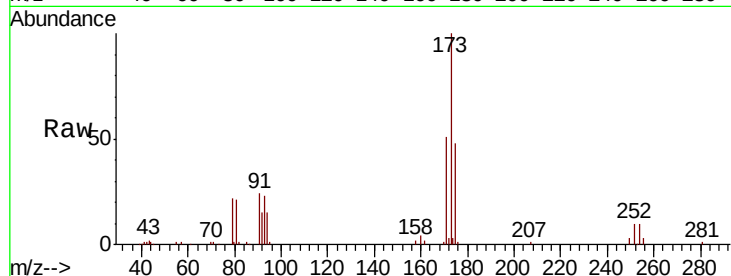
Tot Ion:173 Resp: 90359

Ion Ratio Lower Upper

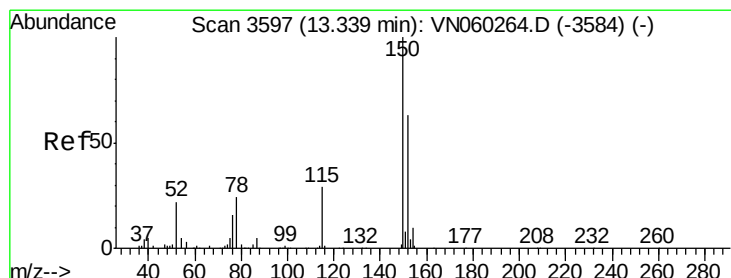
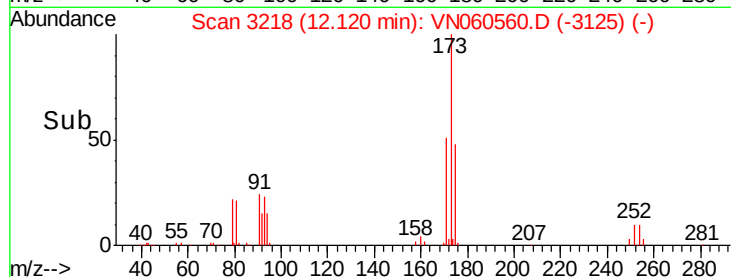
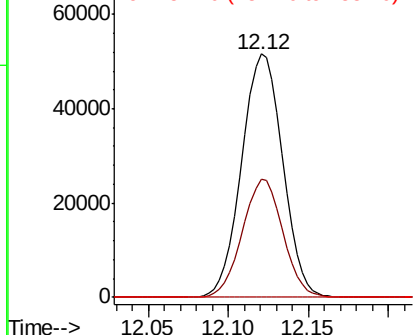
173 100

175 48.0 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: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

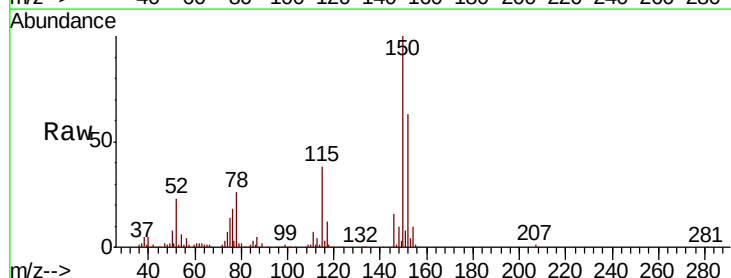
Tgt Ion:152 Resp: 159736

Ion Ratio Lower Upper

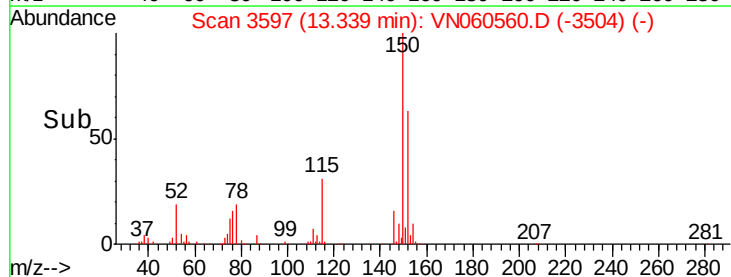
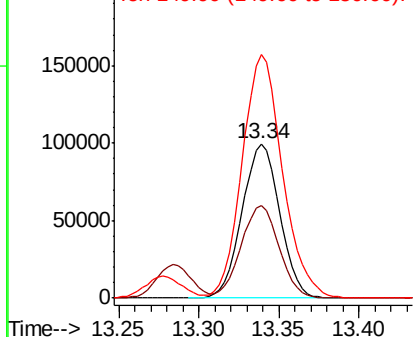
152 100

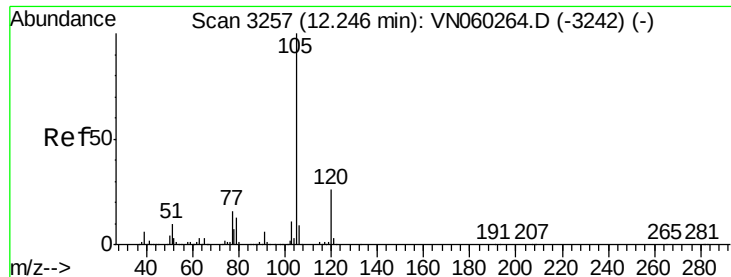
115 60.5 30.0 90.0

150 169.9 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: 44.737 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

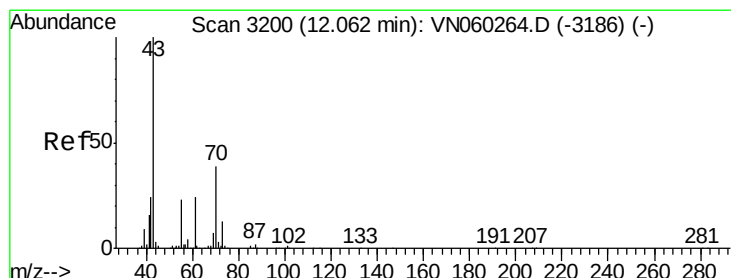
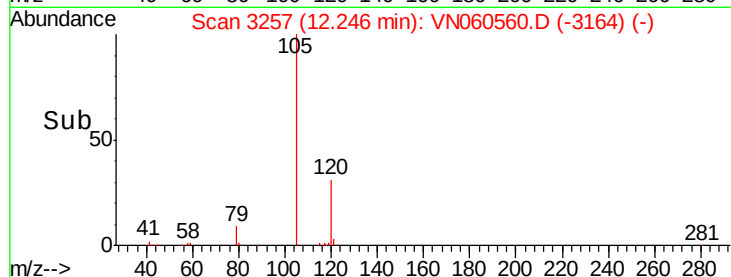
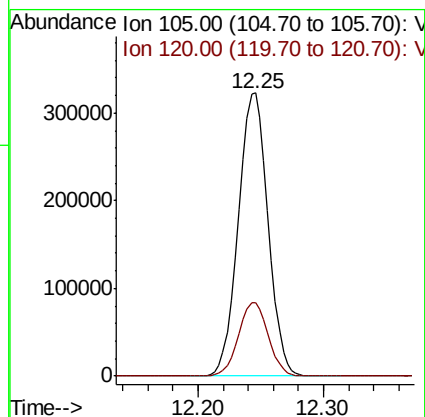
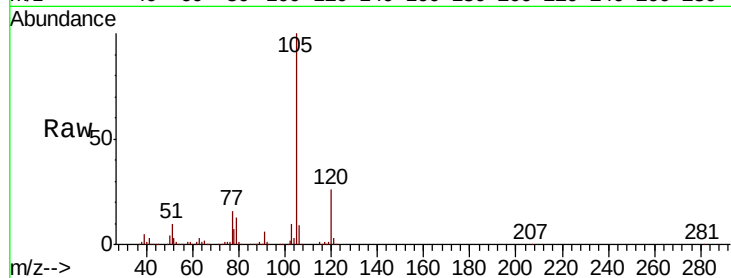
VSTDCCC050EC

Tot Ion:105 Resp: 529658

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



#74

N-ethyl acetate

Concen: 50.487 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Tgt Ion: 43 Resp: 261195

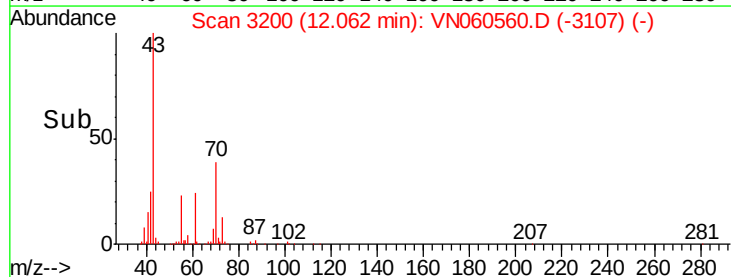
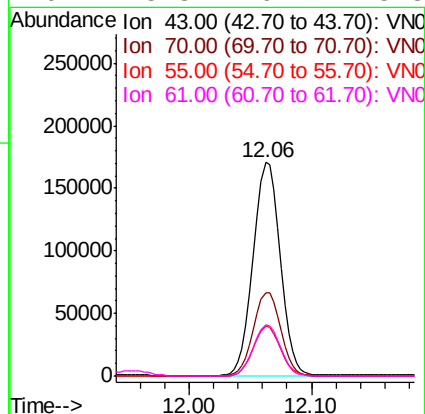
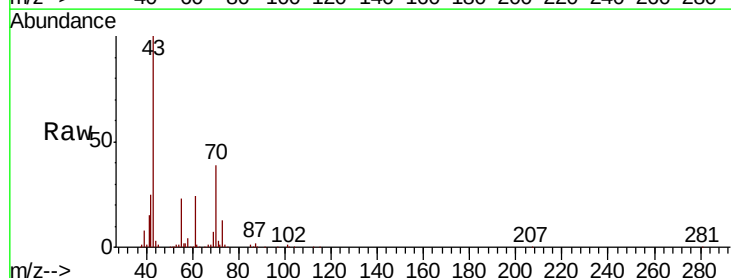
Ion Ratio Lower Upper

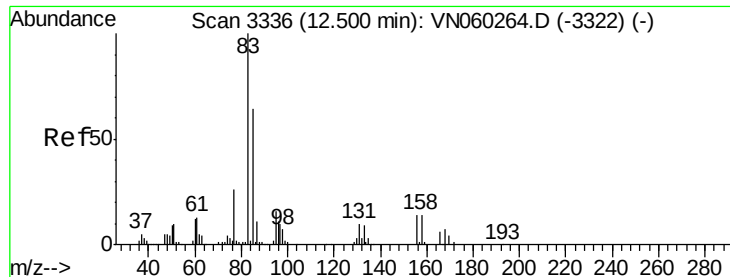
43 100

70 39.7 32.2 48.2

55 23.3 18.2 27.4

61 23.8 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.317 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

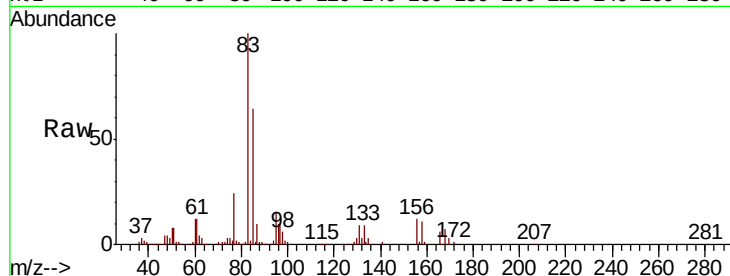
Tot Ion: 83 Resp: 171587

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.3

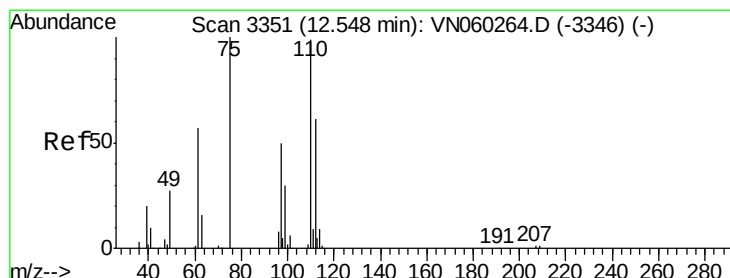
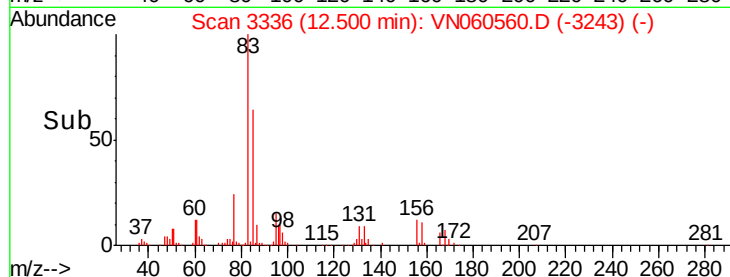
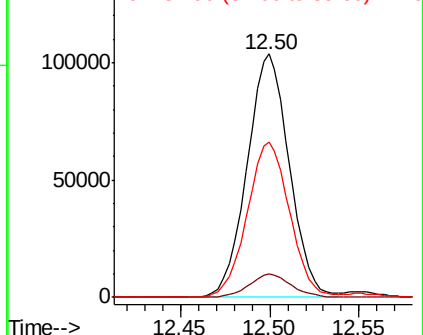
85 64.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060560.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060560.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060560.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 66.589 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060560.D

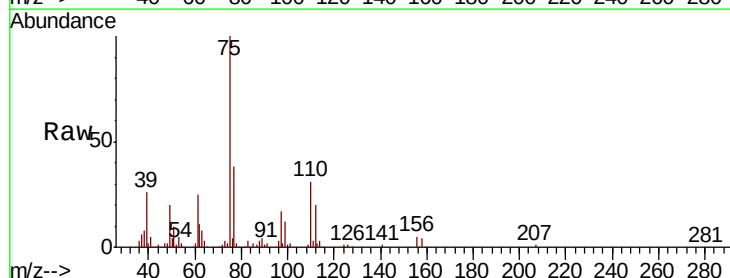
Acq: 17 Mar 2020 16:34

Tgt Ion: 75 Resp: 233368

Ion Ratio Lower Upper

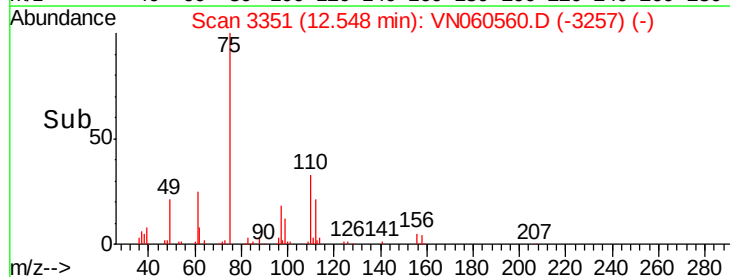
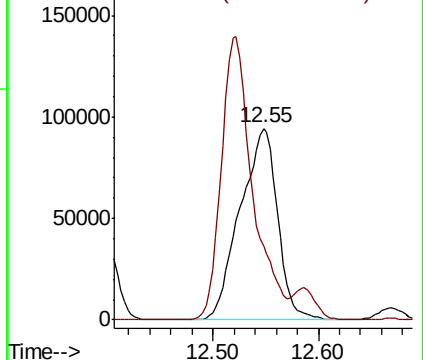
75 100

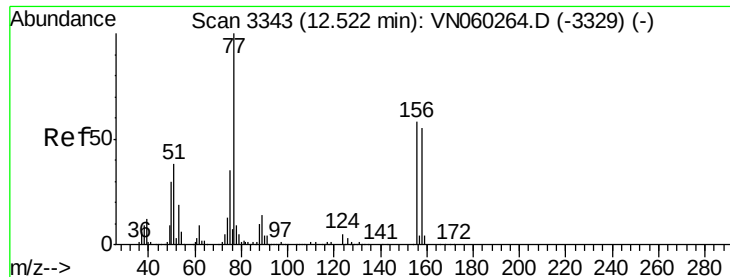
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060560.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060560.D (-3257) (-)

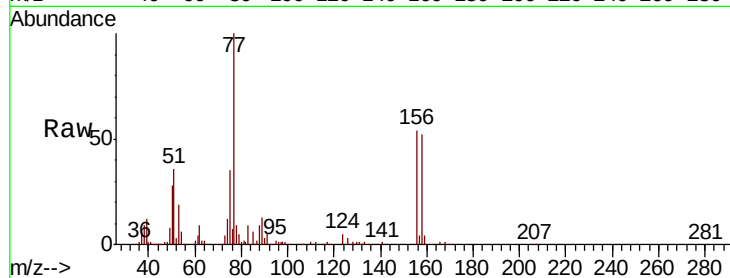




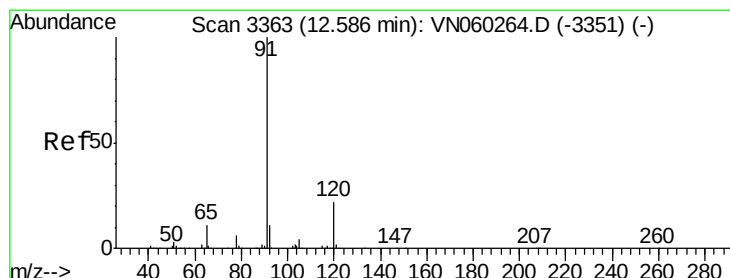
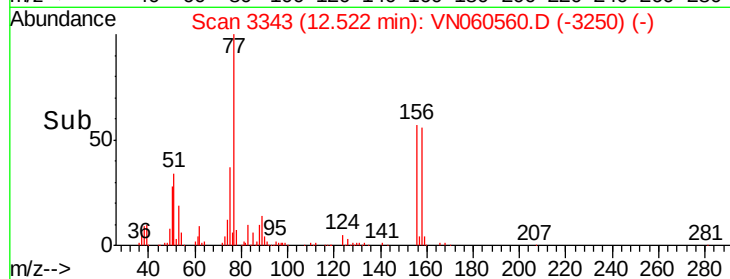
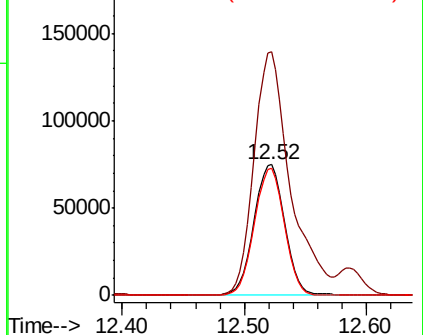
#77
Bromobenzene
Concen: 44.879 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:156 Resp: 130246
Ion Ratio Lower Upper
156 100
77 220.1 106.1 318.3
158 94.5 48.3 144.8

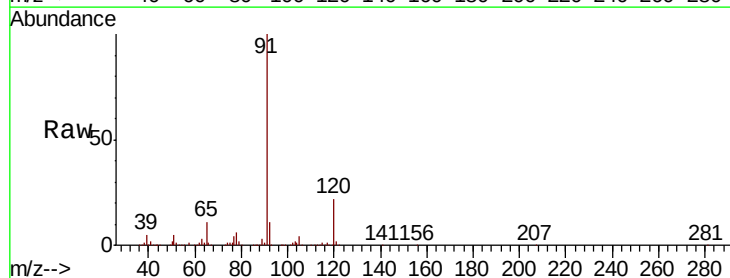


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

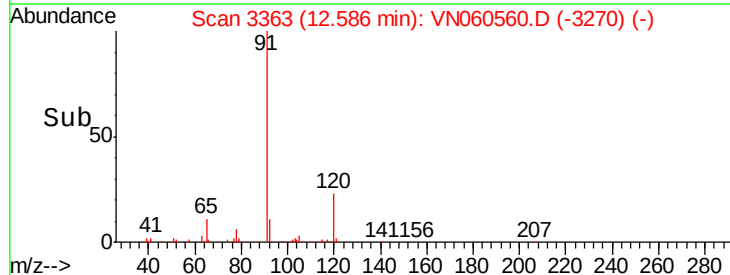
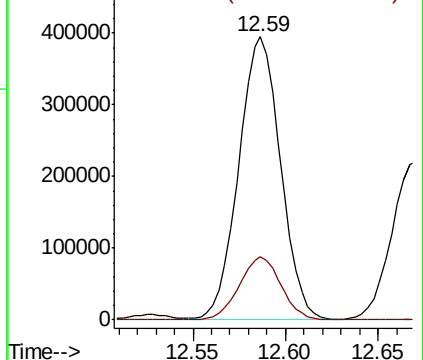


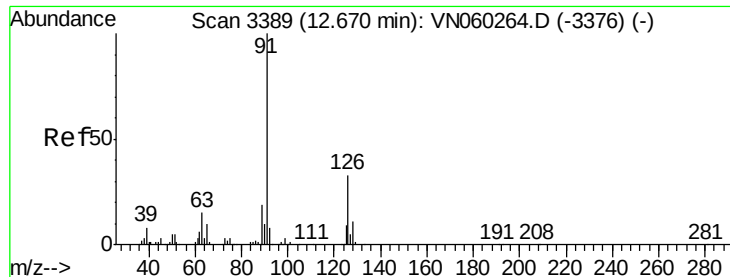
#78
n-propylbenzene
Concen: 44.666 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 91 Resp: 619872
Ion Ratio Lower Upper
91 100
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.150 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

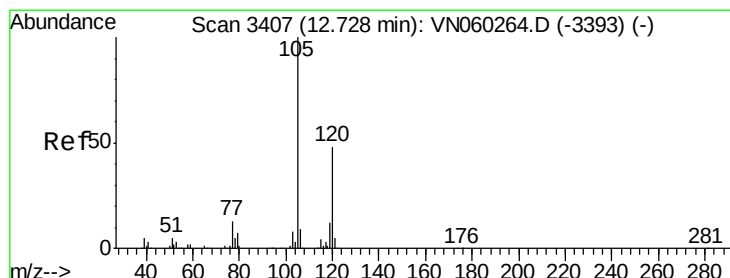
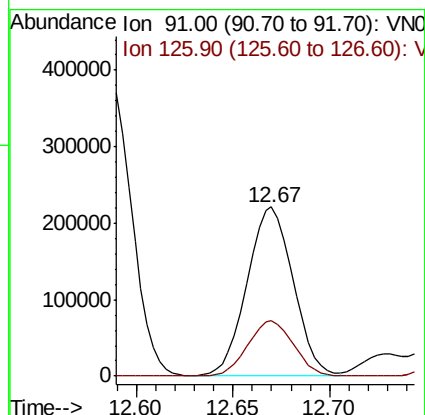
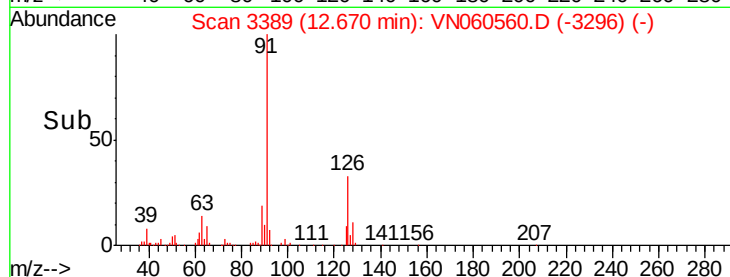
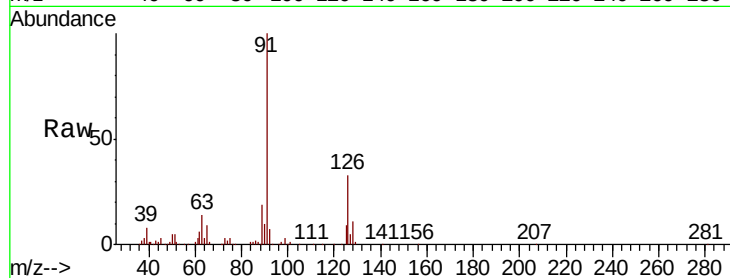
VSTDCCC050EC

Tot Ion: 91 Resp: 368325

Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 44.436 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060560.D

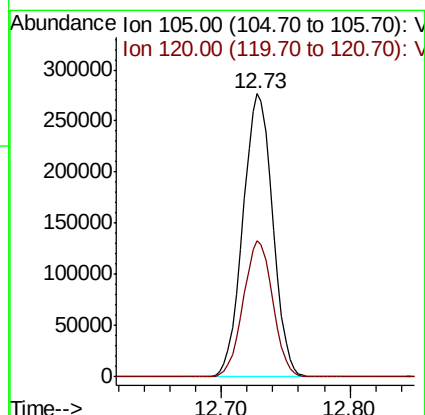
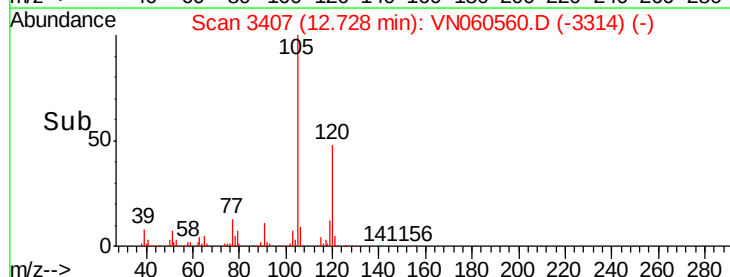
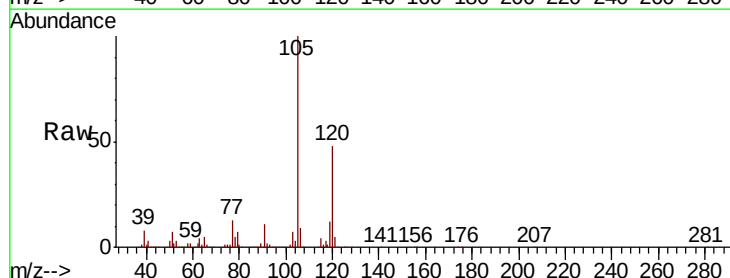
Acq: 17 Mar 2020 16:34

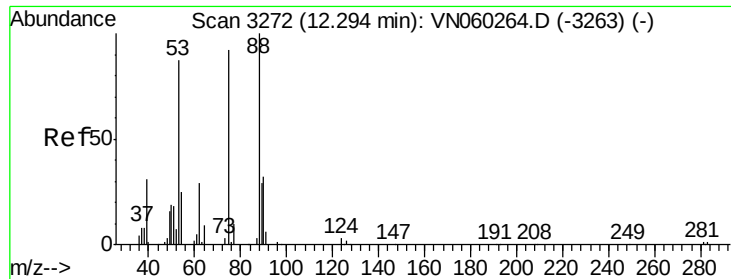
Tgt Ion: 105 Resp: 442951

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.4

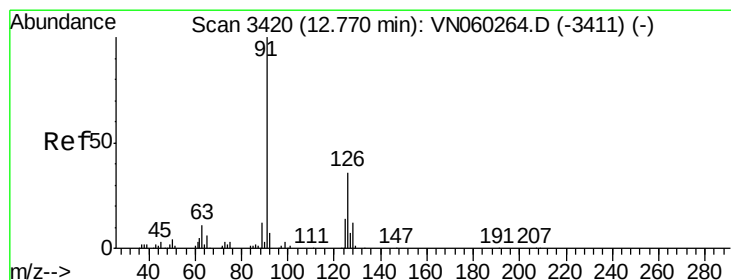
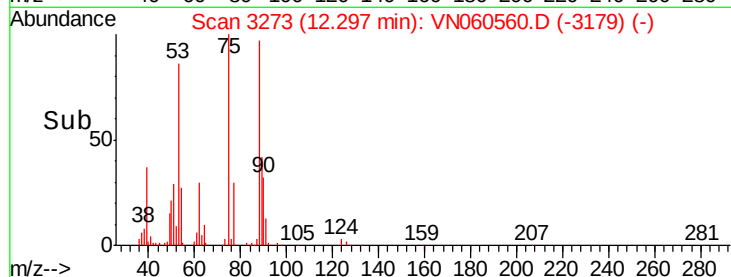
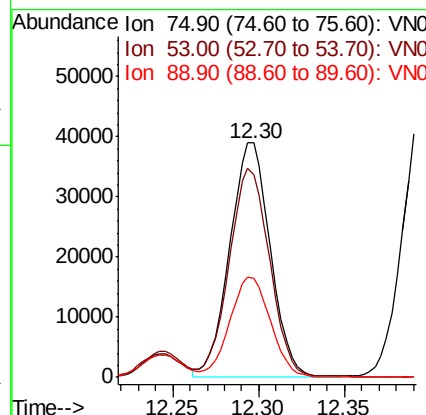
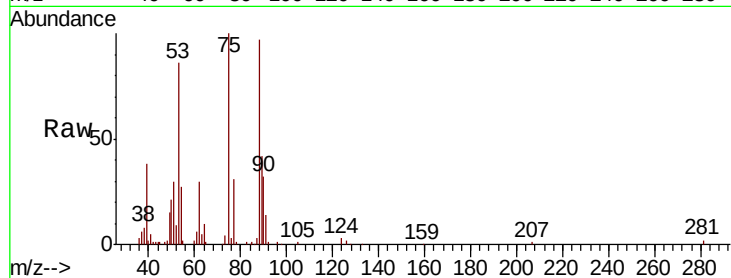




#81
trans-1,4-Dichloro-2-butene
Concen: 50.509 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

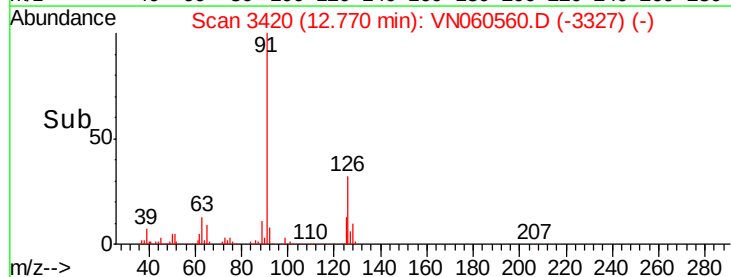
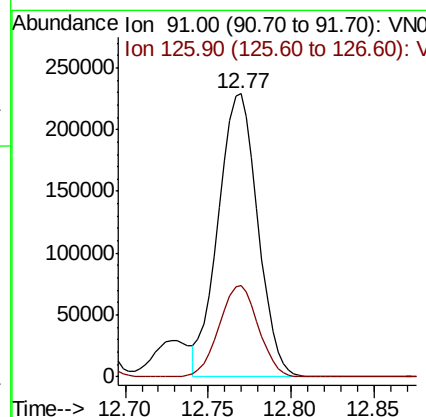
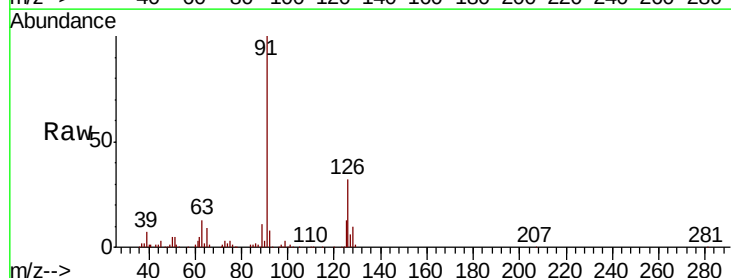
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

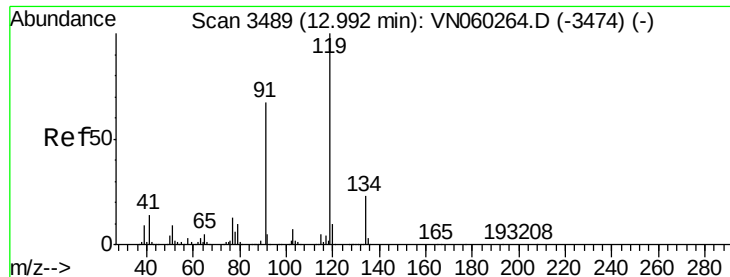
Tot Ion: 75 Resp: 64125
Ion Ratio Lower Upper
75 100
53 89.2 73.8 110.6
89 42.8 57.1 85.7#



#82
4-Chlorotoluene
Concen: 44.147 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 91 Resp: 379434
Ion Ratio Lower Upper
91 100
126 32.2 16.7 50.1





#83

tert-Butylbenzene

Concen: 43.795 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

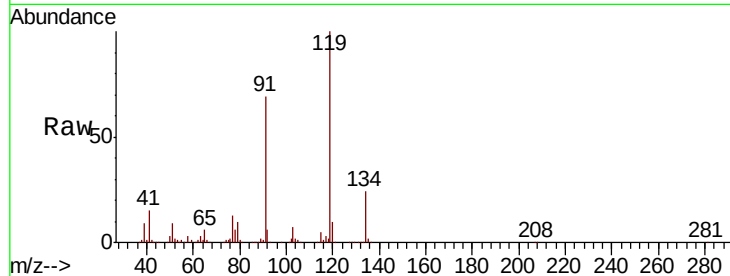
Tot Ion:119 Resp: 377970

Ion Ratio Lower Upper

119 100

91 68.1 33.1 99.2

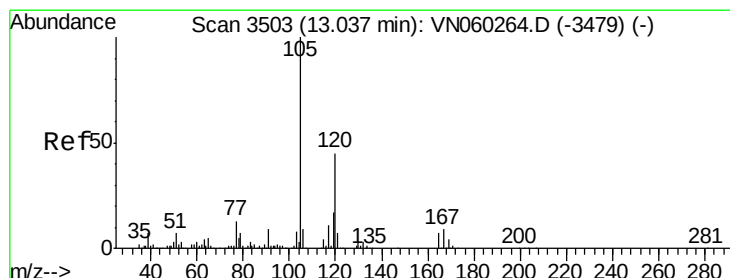
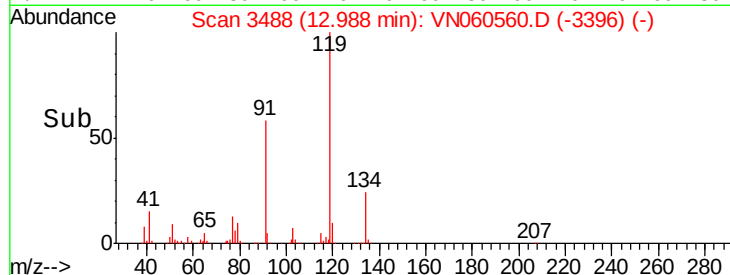
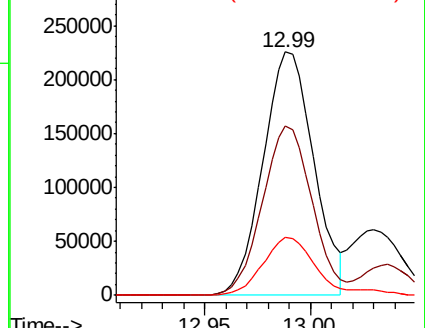
134 25.3 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 44.339 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN060560.D

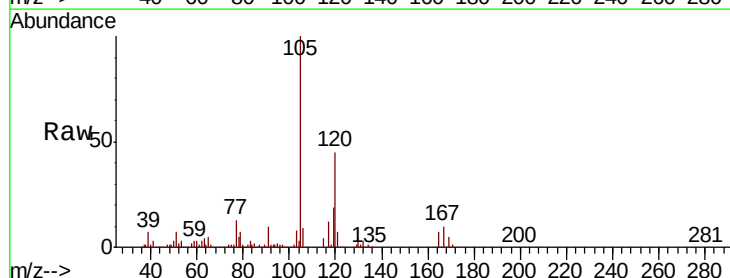
Acq: 17 Mar 2020 16:34

Tgt Ion:105 Resp: 446111

Ion Ratio Lower Upper

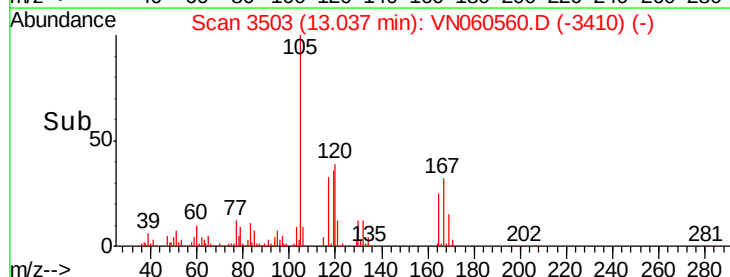
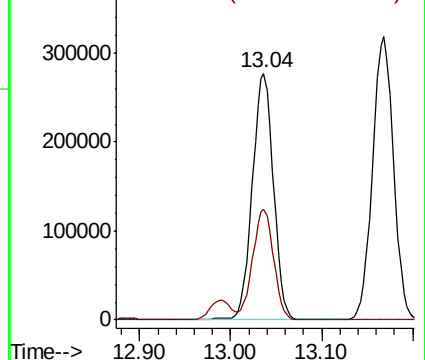
105 100

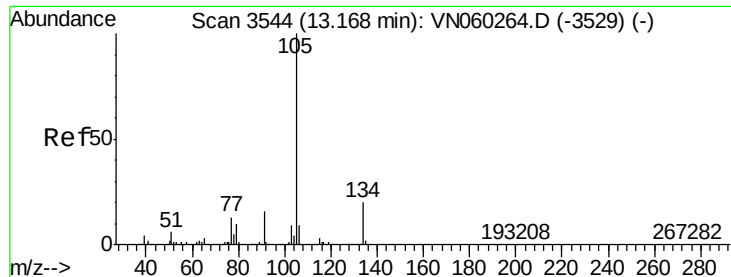
120 44.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 43.962 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Instrument :

MSVOA_N

ClientSampleId :

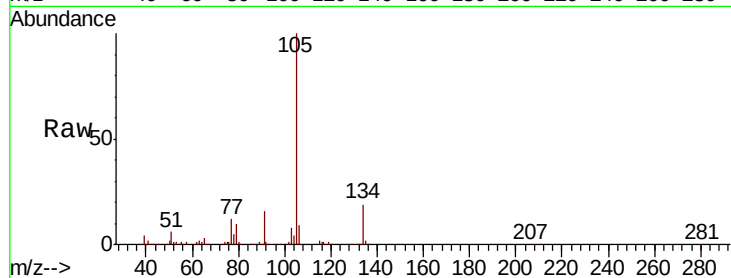
VSTDCCC050EC

Tot Ion:105 Resp: 508074

Ion Ratio Lower Upper

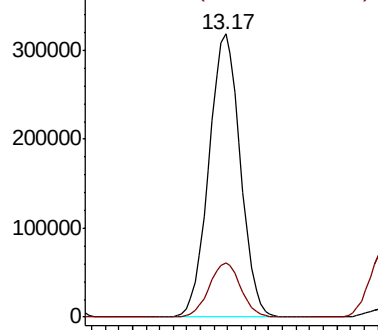
105 100

134 19.3 9.8 29.5

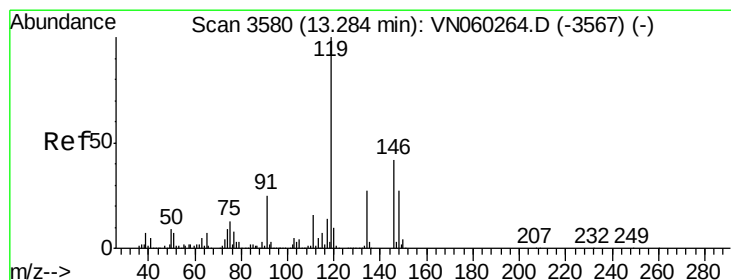
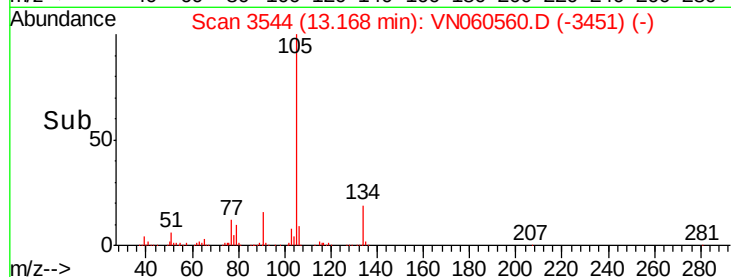


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 42.351 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

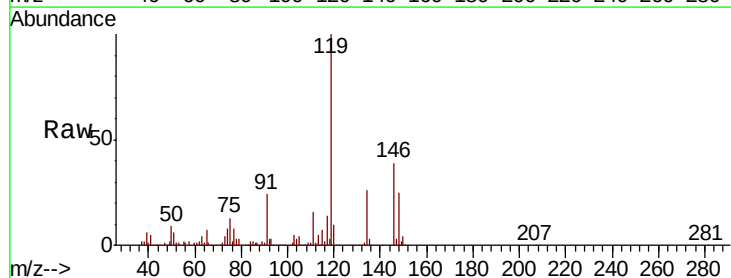
Tgt Ion:119 Resp: 453022

Ion Ratio Lower Upper

119 100

134 26.1 13.2 39.6

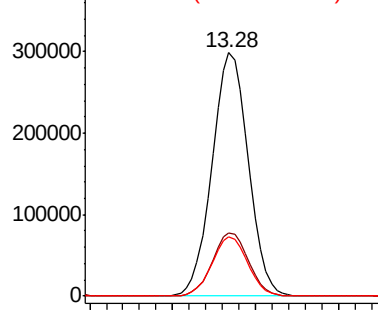
91 24.2 12.2 36.6



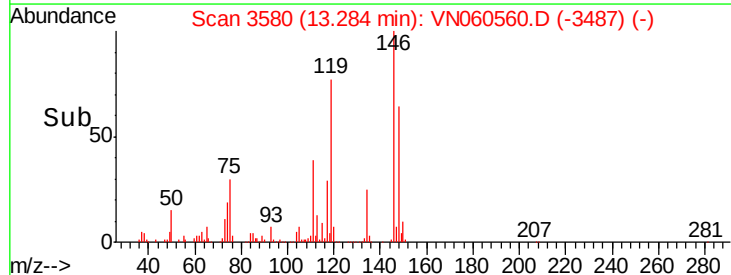
Abundance Ion 119.00 (118.70 to 119.70): V

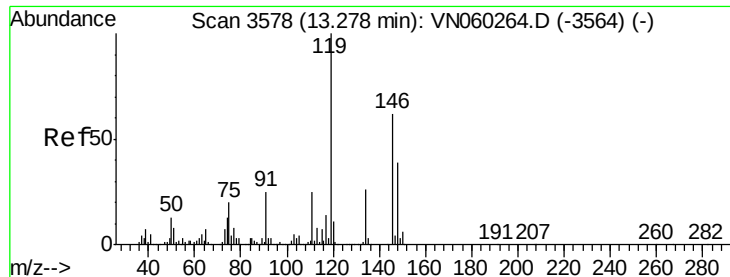
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

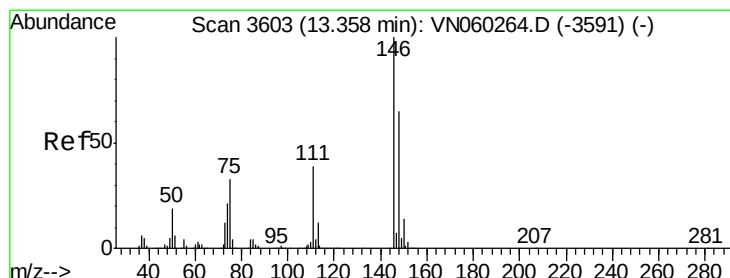
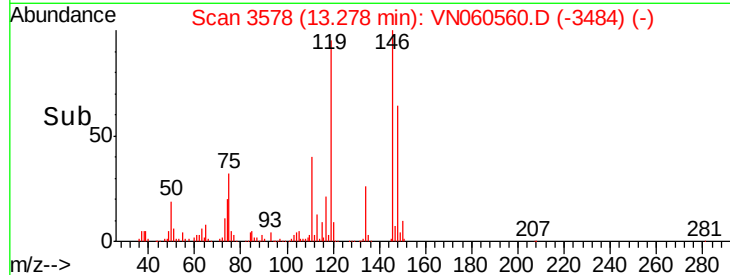
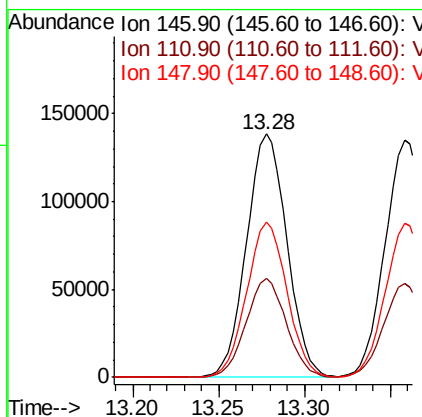
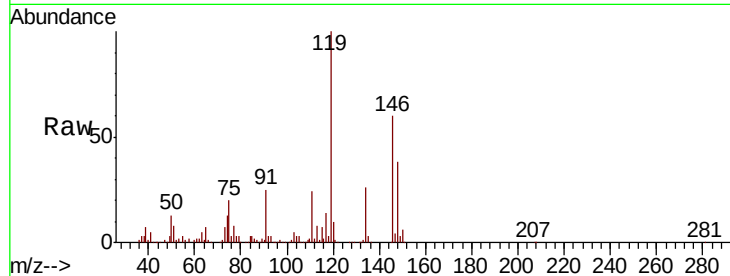




#87
 1,3-Dichlorobenzene
 Concen: 45.351 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

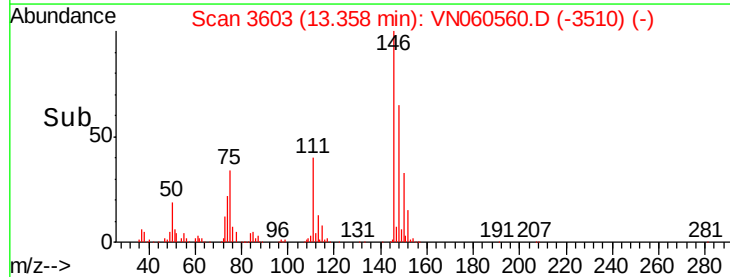
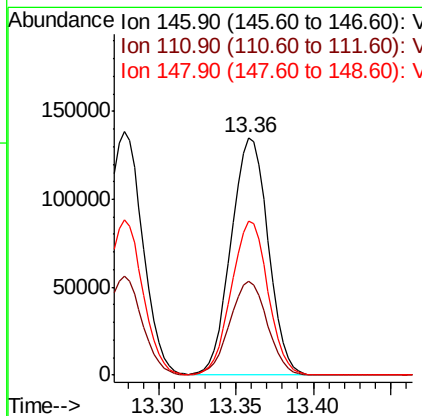
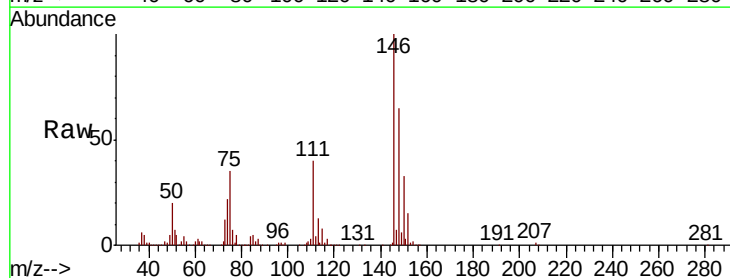
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

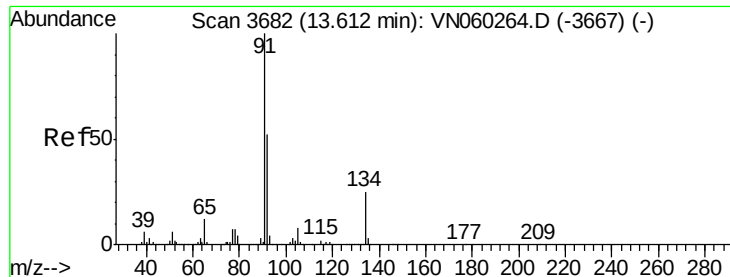
Tot Ion:146 Resp: 226243
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.0 59.9
 148 63.6 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 45.259 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion:146 Resp: 224581
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.8 59.4
 148 64.1 32.3 96.9

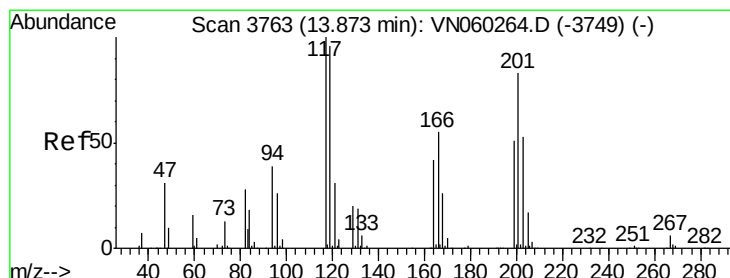
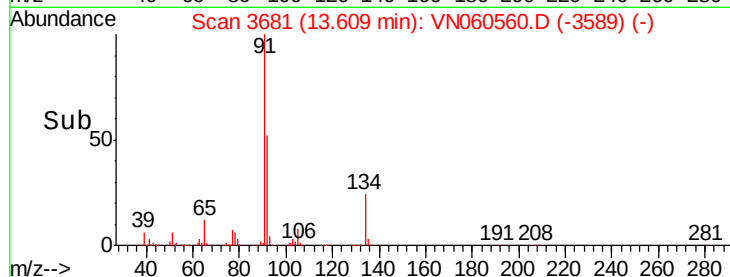
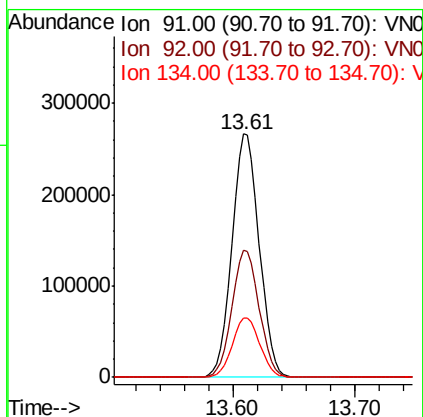
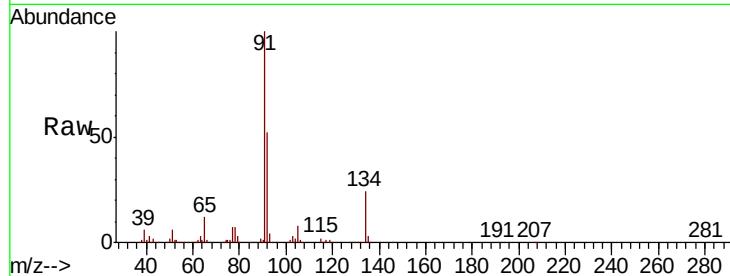




#89
n-Butylbenzene
Concen: 42.064 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

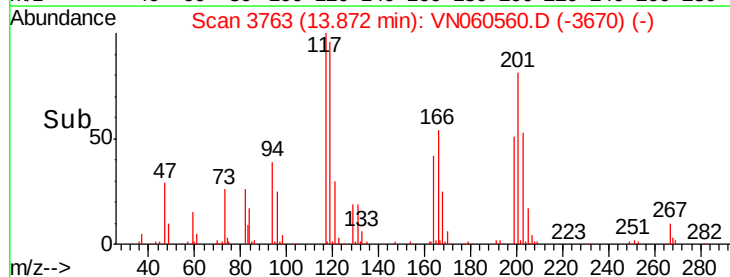
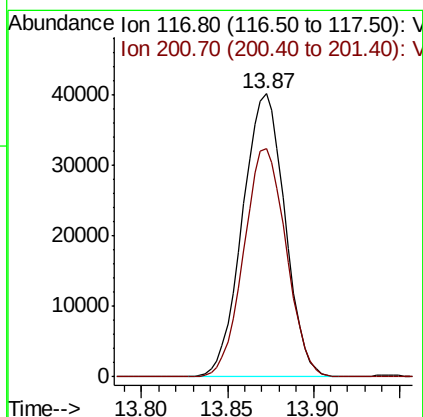
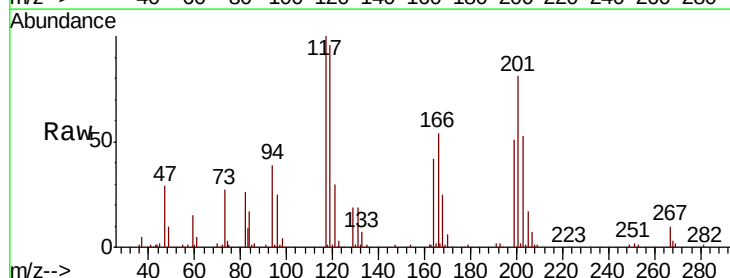
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

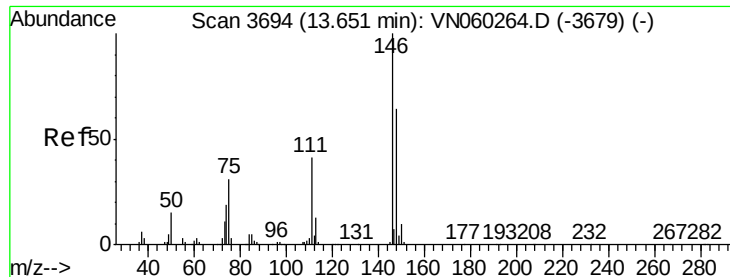
Tot Ion: 91 Resp: 413051
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 24.7 12.7 38.1



#90
Hexachloroethane
Concen: 44.418 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion: 117 Resp: 68775
Ion Ratio Lower Upper
117 100
201 80.5 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 43.553 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

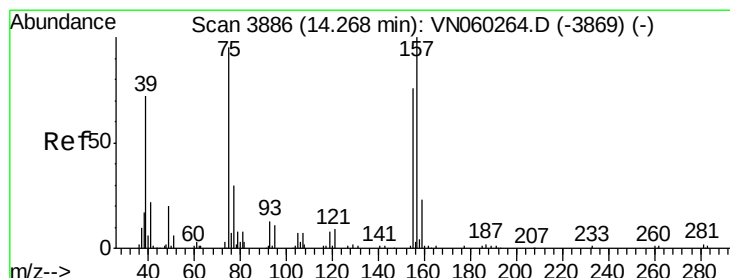
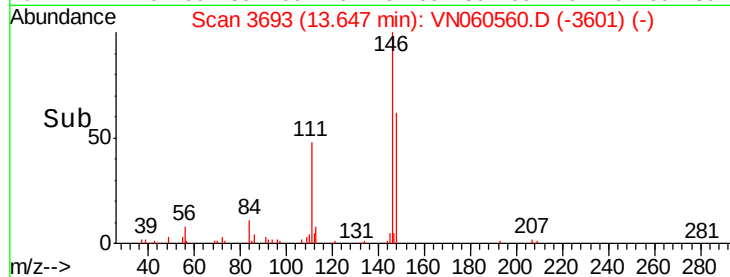
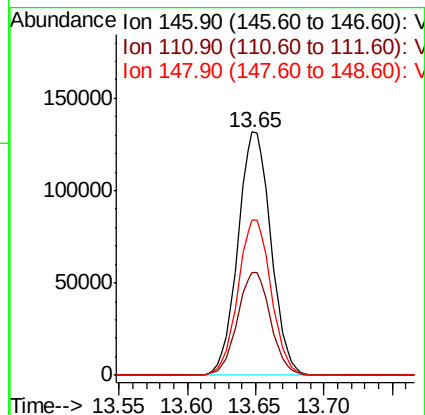
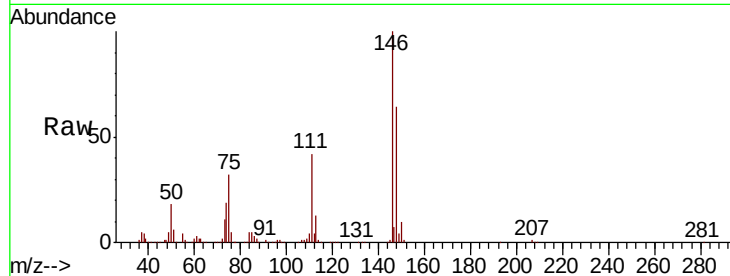
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	221481
Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	61.0
148	63.9	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.306 ug/l

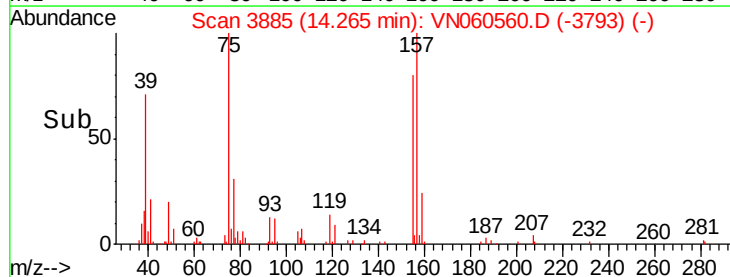
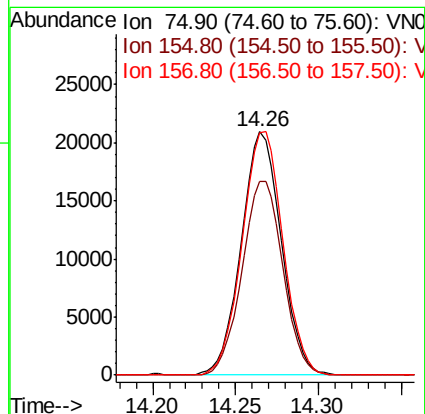
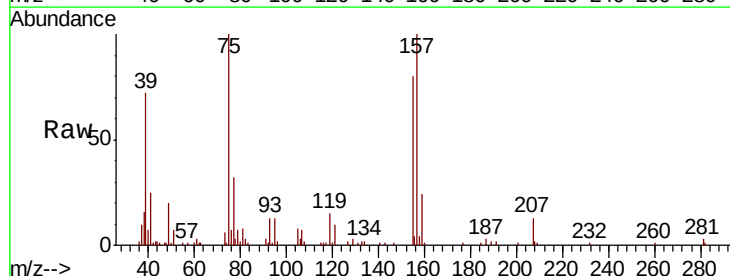
RT: 14.26 min Scan# 3885

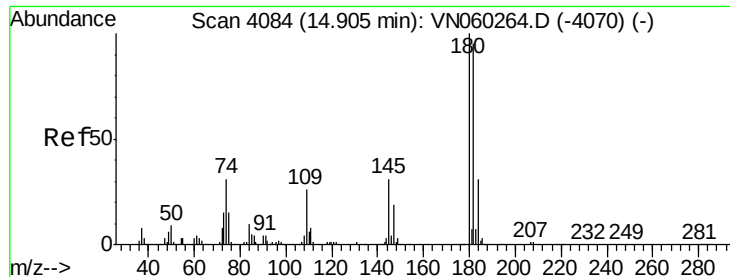
Delta R.T. -0.00 min

Lab File: VN060560.D

Acq: 17 Mar 2020 16:34

Tgt Ion:	75	Resp:	35205
Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.4	121.2
157	101.8	52.5	157.5

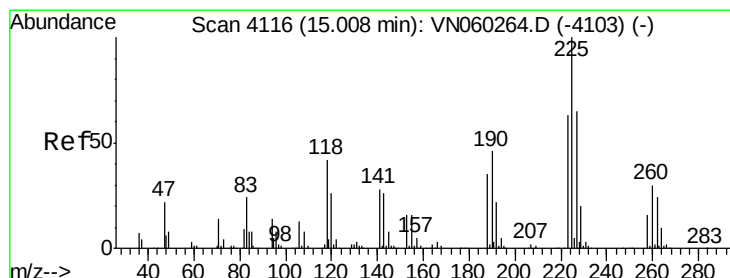
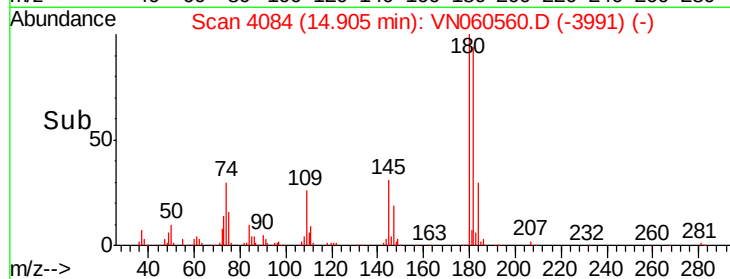
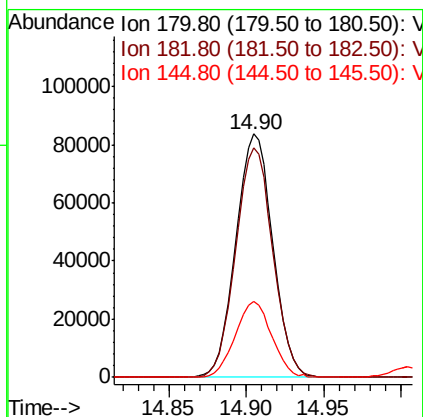
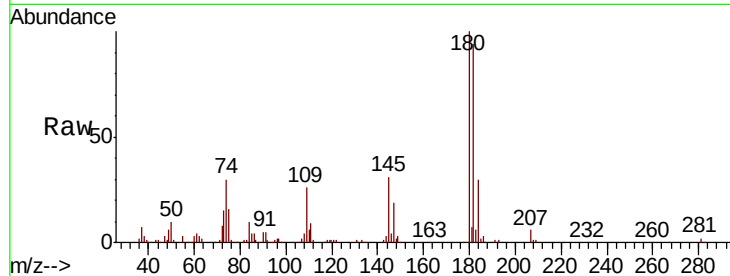




#93
 1,2,4-Trichlorobenzene
 Concen: 42.862 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

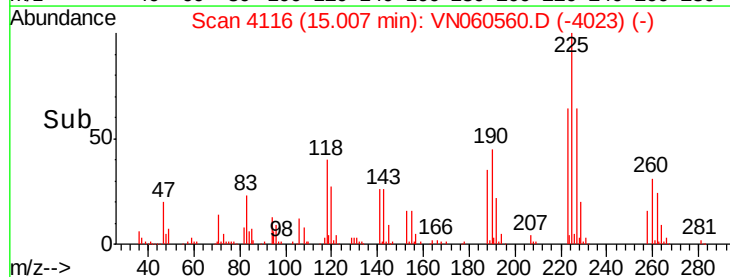
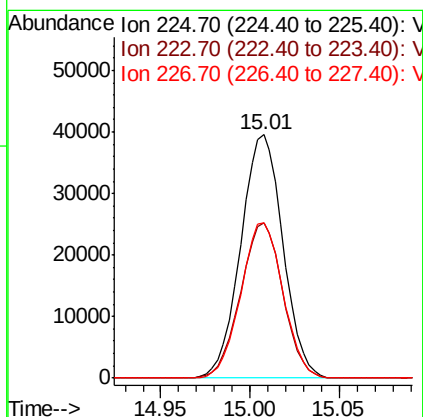
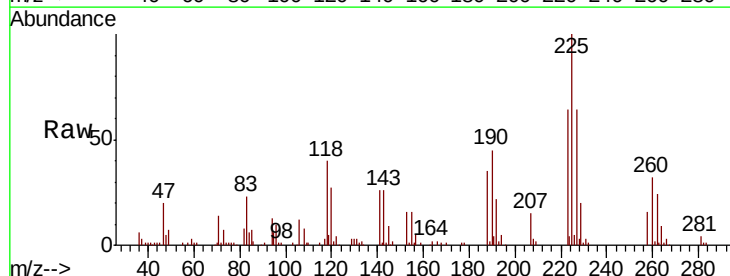
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

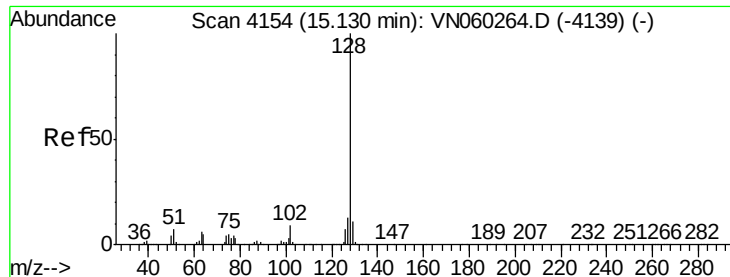
Tot Ion:180 Resp: 138459
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.8 143.3
 145 31.0 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 43.800 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060560.D
 Acq: 17 Mar 2020 16:34

Tgt Ion:225 Resp: 65165
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.3 93.9
 227 63.7 32.3 96.9

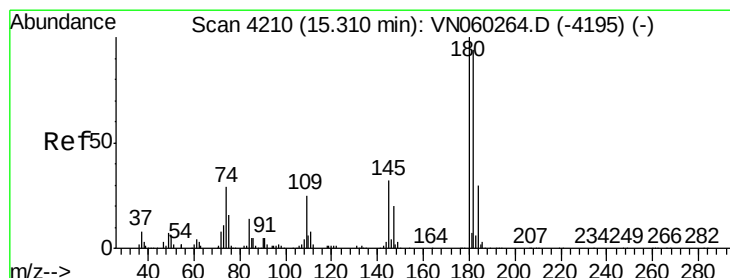
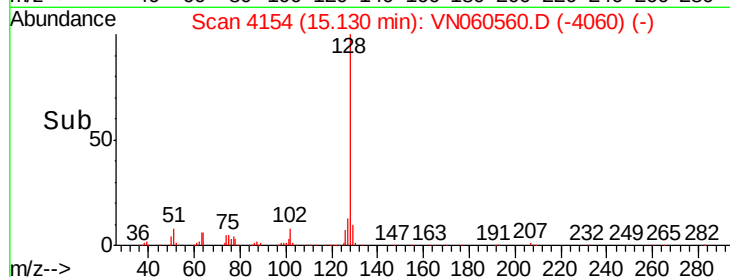
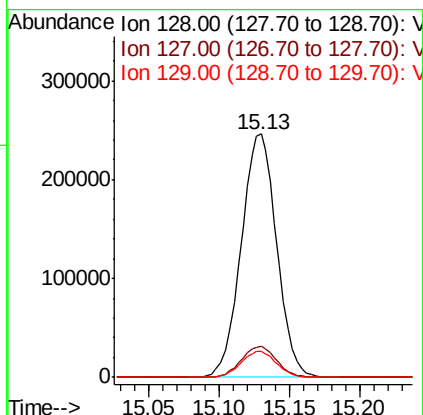
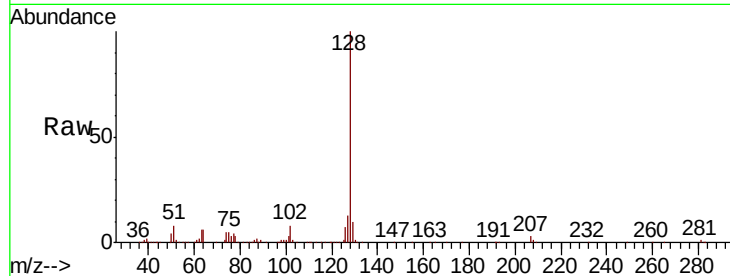




#95
Naphthalene
Concen: 45.407 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 43.849 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060560.D
Acq: 17 Mar 2020 16:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	142.0
145	32.2	16.2	48.5

