

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060868.D
 Acq On : 7 Apr 2020 11:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 08 02:43:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	319806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144294	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	131500	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.56	113	99735	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.08	98	396004	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	147870	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	84747	44.615	ug/l 99
3) Chloromethane	2.04	50	148555	41.875	ug/l 100
4) Vinyl Chloride	2.17	62	118082	42.555	ug/l 97
5) Bromomethane	2.54	94	59852	49.967	ug/l 99
6) Chloroethane	2.68	64	74996	46.919	ug/l 98
7) Trichlorofluoromethane	3.00	101	161489	47.244	ug/l 100
8) Diethyl Ether	3.38	74	67830	49.398	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	98988	49.978	ug/l 99
10) Methyl Iodide	3.92	142	77235	43.823	ug/l 99
11) Tert butyl alcohol	4.72	59	94598	238.681	ug/l 100
12) 1,1-Dichloroethene	3.71	96	98972	46.565	ug/l 99
13) Acrolein	3.57	56	100651	229.138	ug/l 100
14) Allyl chloride	4.29	41	182266	48.758	ug/l 98
15) Acrylonitrile	4.94	53	296929	254.773	ug/l 99
16) Acetone	3.78	43	278345	291.584	ug/l 100
17) Carbon Disulfide	4.03	76	275682	42.648	ug/l 100
18) Methyl Acetate	4.28	43	142832	53.158	ug/l 100
19) Methyl tert-butyl Ether	5.00	73	356173	48.741	ug/l 98
20) Methylene Chloride	4.52	84	112616	47.957	ug/l 99
21) trans-1,2-Dichloroethene	5.00	96	105856	46.730	ug/l 94
22) Diisopropyl ether	5.91	45	405001	51.281	ug/l 98
23) Vinyl Acetate	5.85	43	1663926	258.220	ug/l 99
24) 1,1-Dichloroethane	5.81	63	213495	49.588	ug/l 100
25) 2-Butanone	6.79	43	411647	266.490	ug/l 97
26) 2,2-Dichloropropane	6.79	77	180929	53.412	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	124671	48.431	ug/l 99
28) Bromochloromethane	7.16	49	103816	50.399	ug/l 98
29) Tetrahydrofuran	7.17	42	269709	246.775	ug/l 98
30) Chloroform	7.34	83	203962	49.416	ug/l 99
31) Cyclohexane	7.63	56	197216	45.436	ug/l 98
32) 1,1,1-Trichloroethane	7.54	97	174537	49.053	ug/l 98
36) 1,1-Dichloropropene	7.77	75	155739	50.292	ug/l 99
37) Ethyl Acetate	6.89	43	167832	50.158	ug/l 100
38) Carbon Tetrachloride	7.75	117	141154	50.858	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	189869	51.594	ug/l	98
40) Benzene	8.02	78	467223	49.980	ug/l	100
41) Methacrylonitrile	7.17	41	240518	168.429	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	162750	50.943	ug/l	100
43) Isopropyl Acetate	8.14	43	284595	51.573	ug/l	100
44) Trichloroethene	8.81	130	119150	50.561	ug/l	99
45) 1,2-Dichloropropane	9.10	63	129940	52.678	ug/l	98
46) Dibromomethane	9.19	93	75915	50.906	ug/l	98
47) Bromodichloromethane	9.38	83	161007	51.957	ug/l	99
48) Methyl methacrylate	9.18	41	124991	50.873	ug/l	99
49) 1,4-Dioxane	9.17	88	30580	1047.144	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	837019	266.553	ug/l	99
52) Toluene	10.14	92	288082	51.027	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	188368	52.919	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	203550	52.125	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	112474	51.784	ug/l	98
56) Ethyl methacrylate	10.42	69	180540	53.310	ug/l	99
57) 1,3-Dichloropropane	10.70	76	196008	52.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	428187	254.391	ug/l	100
59) 2-Hexanone	10.74	43	606813	268.261	ug/l	100
60) Dibromochloromethane	10.89	129	119273	53.163	ug/l	99
61) 1,2-Dibromoethane	10.99	107	114133	52.258	ug/l	100
64) Tetrachloroethene	10.62	164	112692	48.853	ug/l	99
65) Chlorobenzene	11.42	112	296579	51.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	108866	51.741	ug/l	99
67) Ethyl Benzene	11.50	91	557551	51.592	ug/l	100
68) m/p-Xylenes	11.61	106	413062	102.857	ug/l	99
69) o-Xylene	11.94	106	196371	51.223	ug/l	99
70) Styrene	11.96	104	329621	52.572	ug/l	100
71) Bromoform	12.12	173	85909	49.156	ug/l #	100
73) Isopropylbenzene	12.24	105	536246	49.521	ug/l	100
74) N-amyl acetate	12.06	43	246770	49.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	164455	50.220	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224743	72.182	ug/l #	100
77) Bromobenzene	12.52	156	126397	48.440	ug/l	99
78) n-propylbenzene	12.59	91	642352	50.210	ug/l	100
79) 2-Chlorotoluene	12.67	91	372053	48.672	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	456722	49.700	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	60974	50.296	ug/l	98
82) 4-Chlorotoluene	12.77	91	385914	49.569	ug/l	99
83) tert-Butylbenzene	12.99	119	380788	49.986	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	455840	50.141	ug/l	100
85) sec-Butylbenzene	13.17	105	529062	51.647	ug/l	100
86) p-Isopropyltoluene	13.28	119	475425	51.612	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	232838	50.594	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232396	50.262	ug/l	99
89) n-Butylbenzene	13.61	91	450355	54.152	ug/l	100
90) Hexachloroethane	13.87	117	73990	55.259	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	225213	51.179	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32964	48.049	ug/l	98

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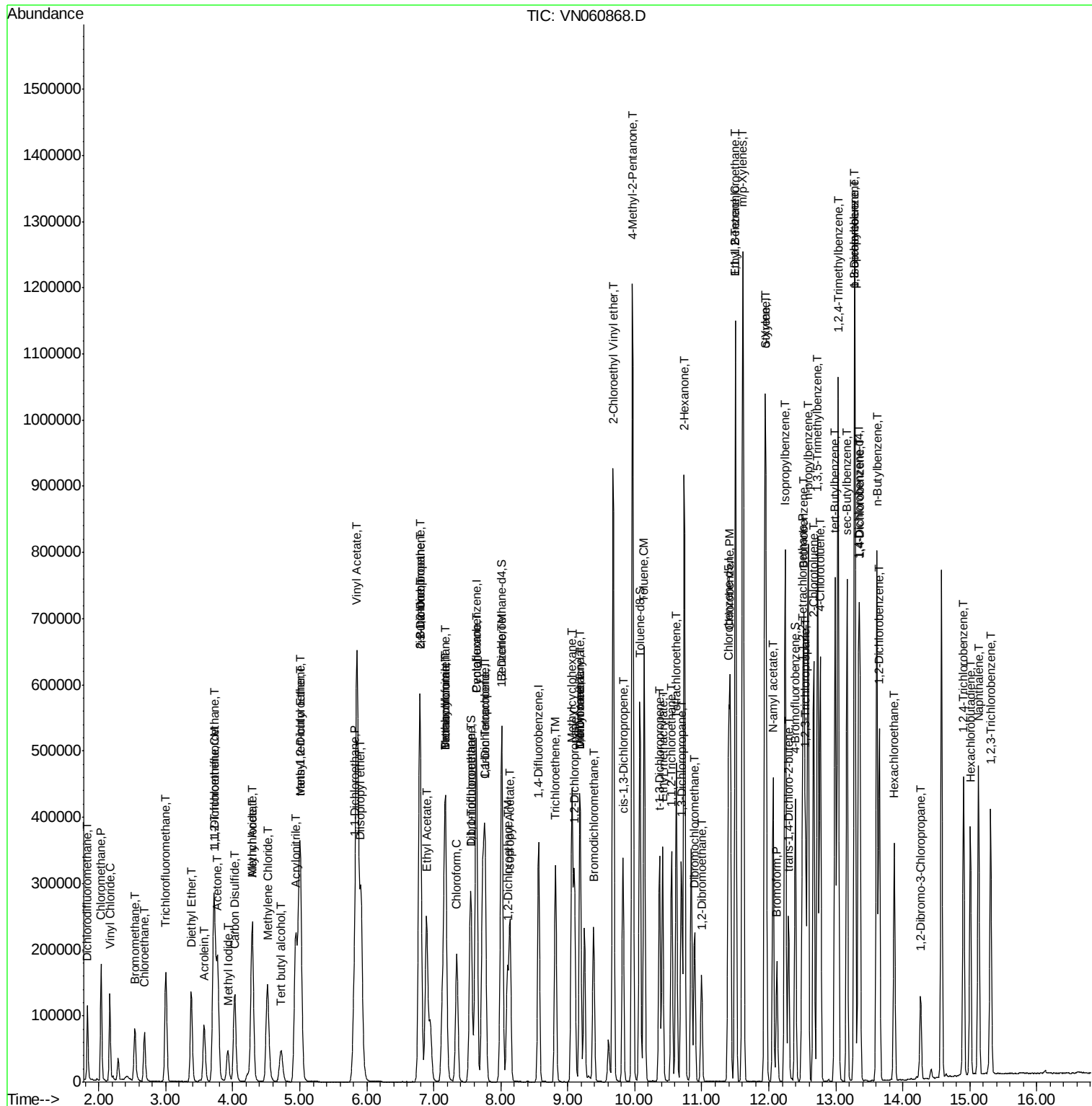
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145502	53.843	ug/l	99
94) Hexachlorobutadiene	15.01	225	74469	56.214	ug/l	98
95) Naphthalene	15.13	128	401940	49.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137455	51.641	ug/l	100

(#) = 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: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

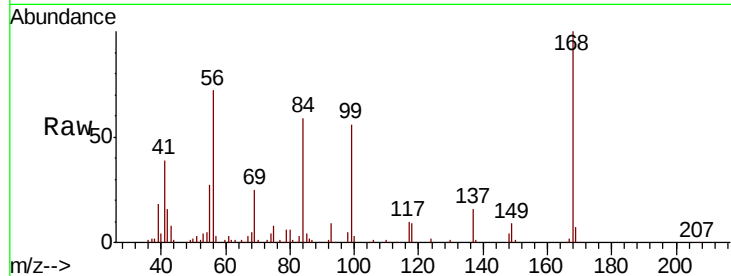
VSTDCCC050

Tot Ion:168 Resp: 196312

Ion Ratio Lower Upper

168 100

99 56.3 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)

7.64

80000

60000

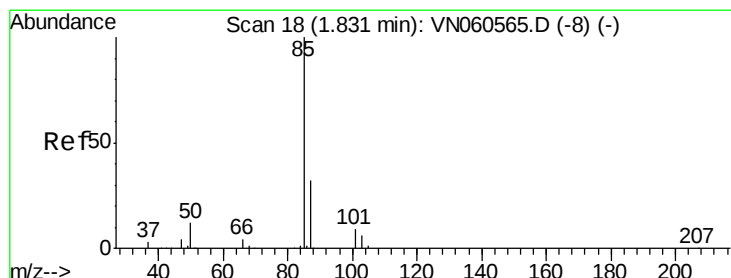
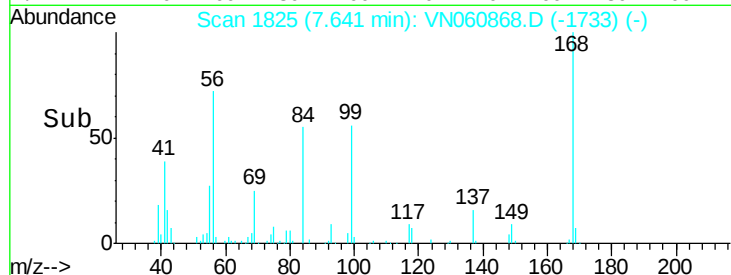
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.615 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060868.D

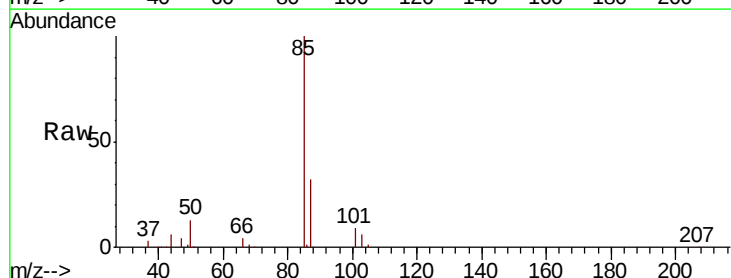
Acq: 7 Apr 2020 11:08

Tgt Ion: 85 Resp: 84747

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN060565.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN060565.D (-8) (-)

1.83

60000

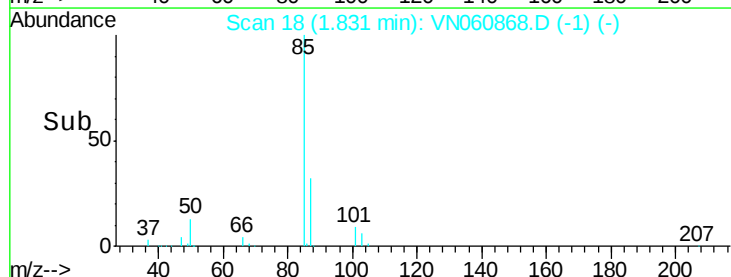
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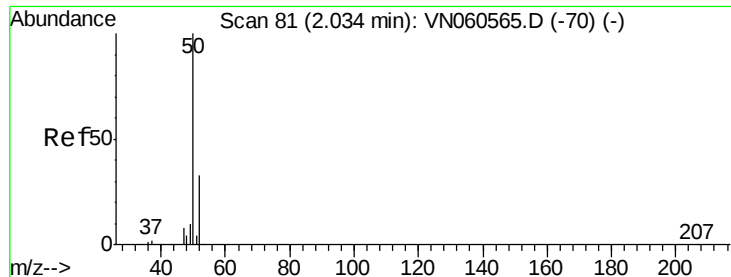
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 41.875 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

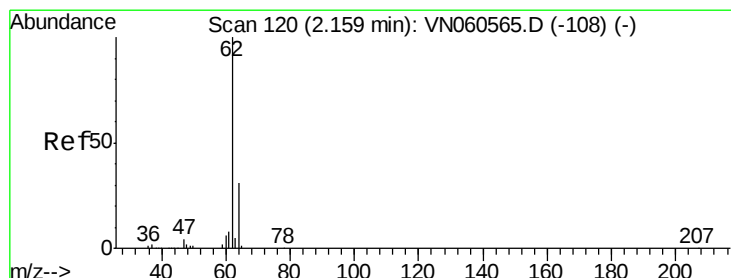
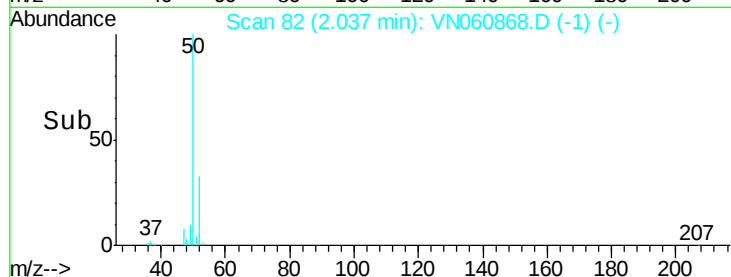
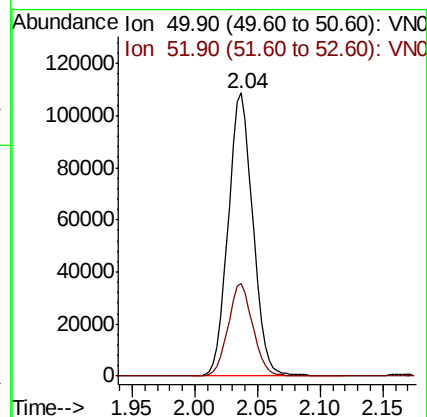
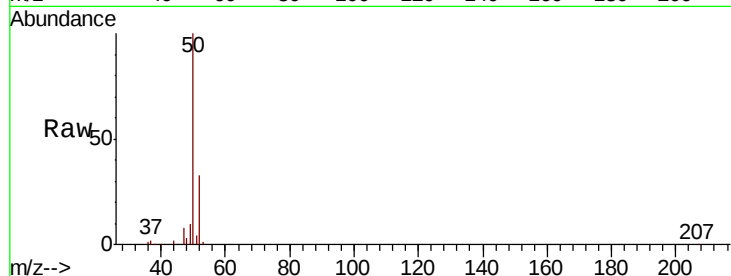
VSTDCCC050

Tot Ion: 50 Resp: 148555

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.2



#4

Vinyl Chloride

Concen: 42.555 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060868.D

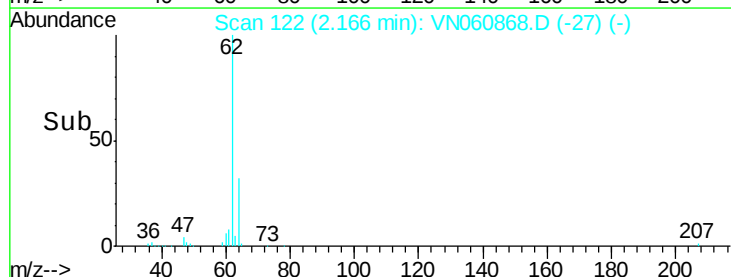
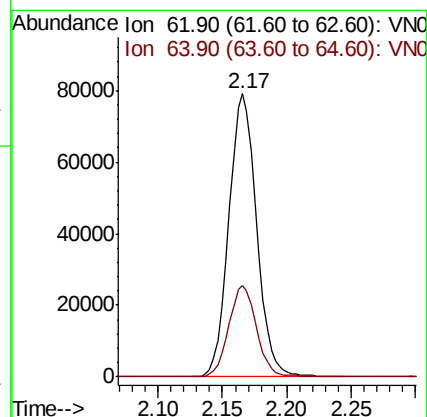
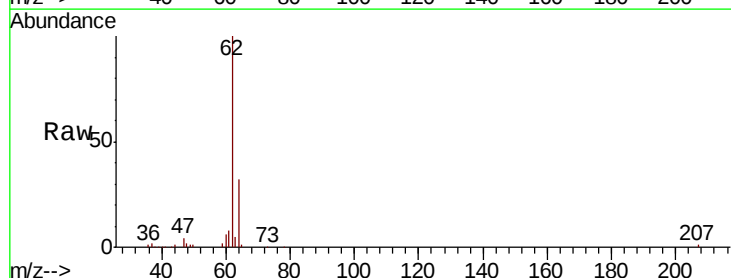
Acq: 7 Apr 2020 11:08

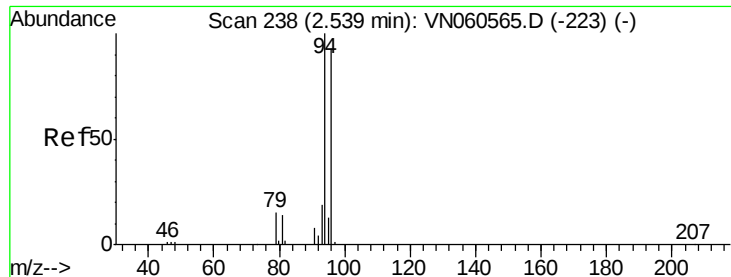
Tgt Ion: 62 Resp: 118082

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1





#5

Bromomethane

Concen: 49.967 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

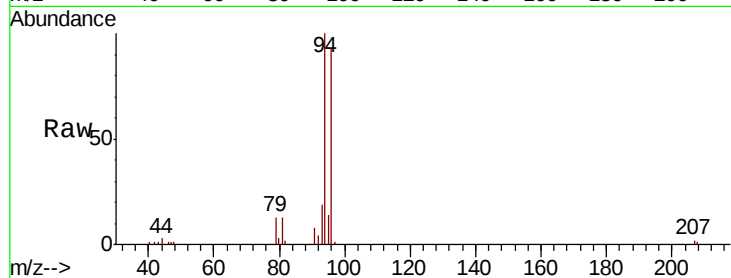
VSTDCCC050

Tot Ion: 94 Resp: 59852

Ion Ratio Lower Upper

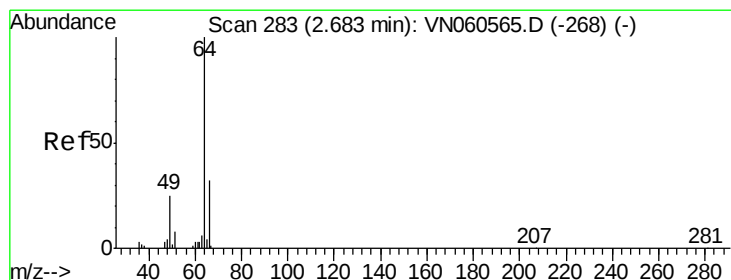
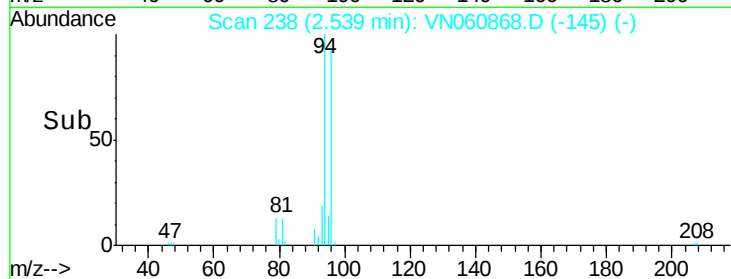
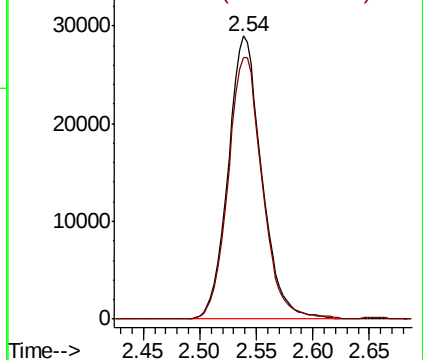
94 100

96 92.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.919 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060868.D

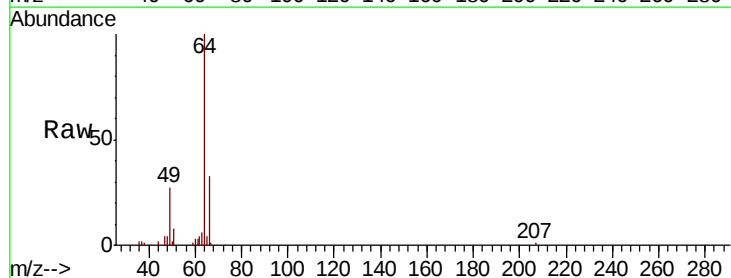
Acq: 7 Apr 2020 11:08

Tgt Ion: 64 Resp: 74996

Ion Ratio Lower Upper

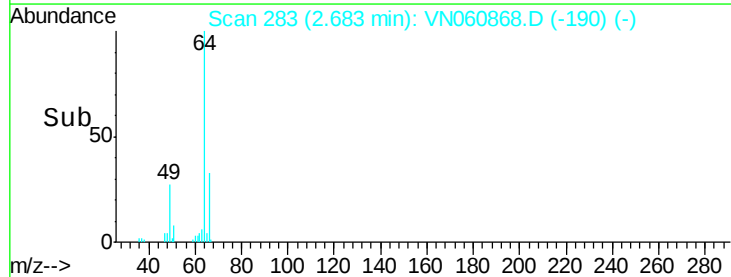
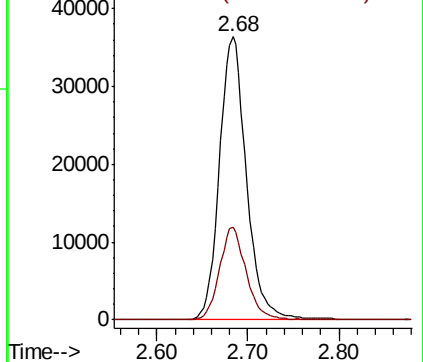
64 100

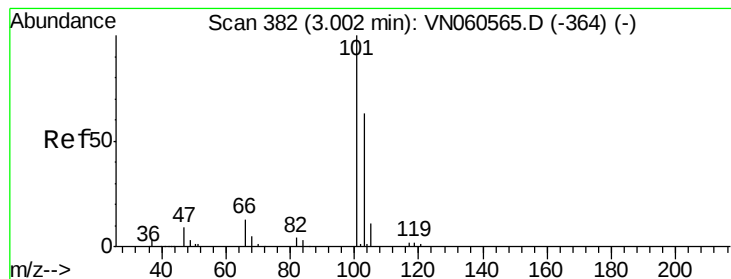
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



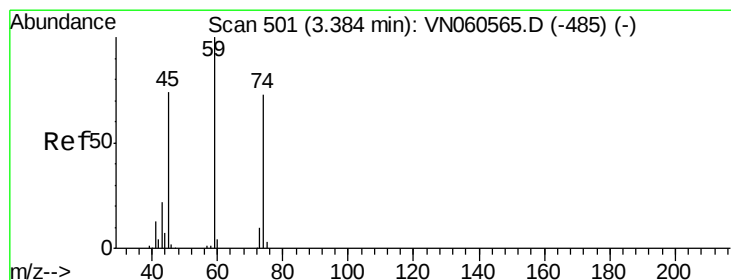
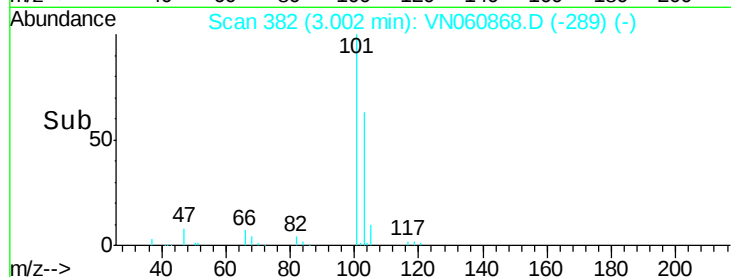
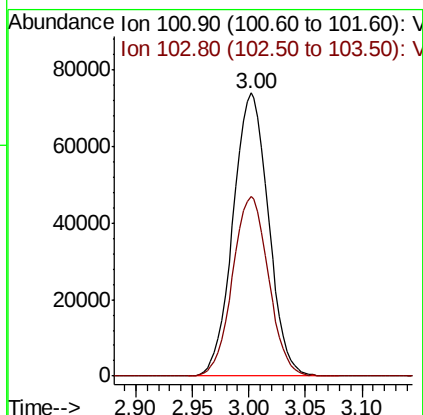
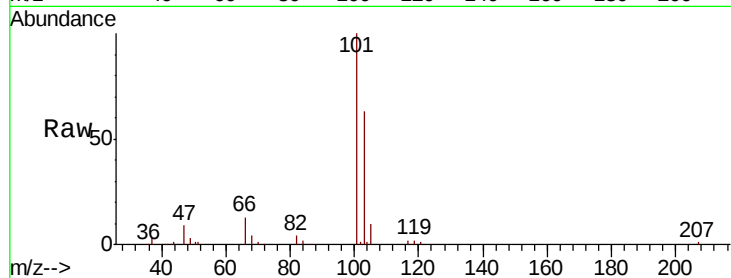


#7

Trichlorofluoromethane
 Concen: 47.244 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060868.D
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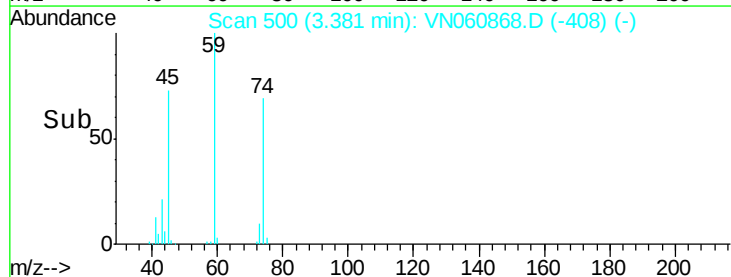
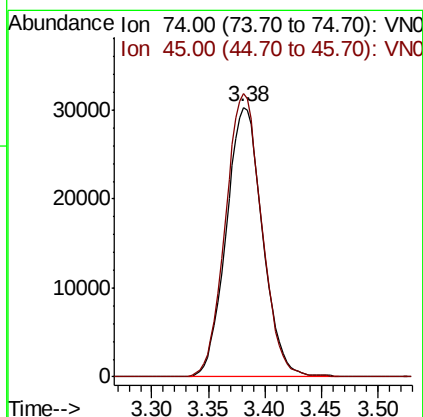
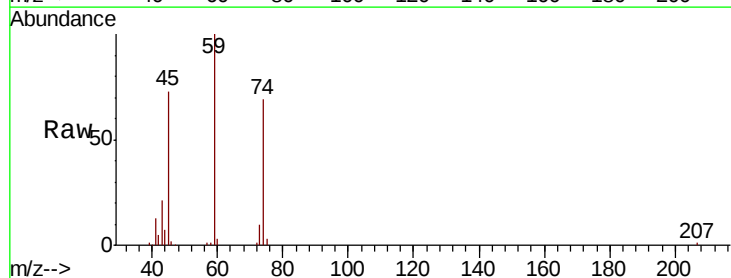
Tot Ion:101 Resp: 161489
 Ion Ratio Lower Upper
 101 100
 103 63.4 50.6 76.0

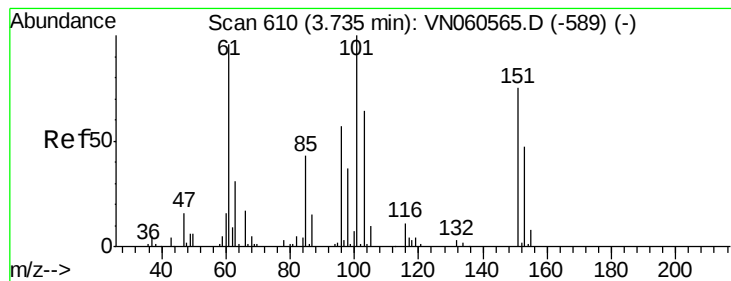


#8

Diethyl Ether
 Concen: 49.398 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion: 74 Resp: 67830
 Ion Ratio Lower Upper
 74 100
 45 104.9 51.3 153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.978 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

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VSTDCCC050

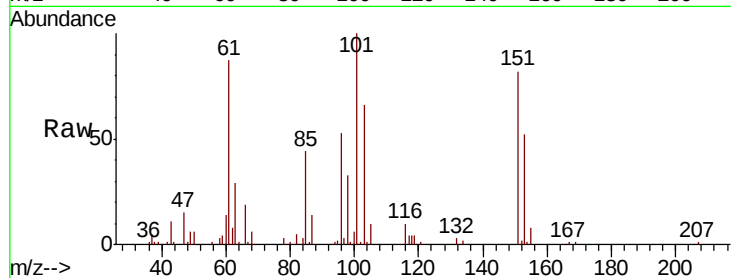
Tot Ion:101 Resp: 98988

Ion Ratio Lower Upper

101 100

85 43.8 35.6 53.4

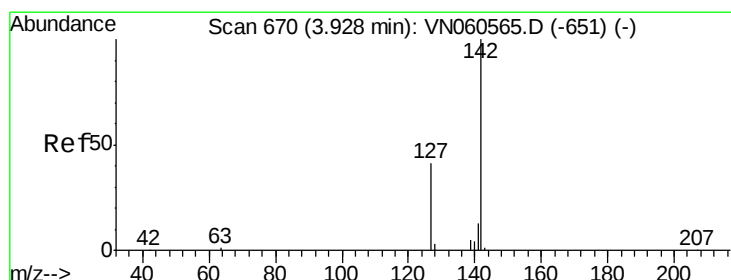
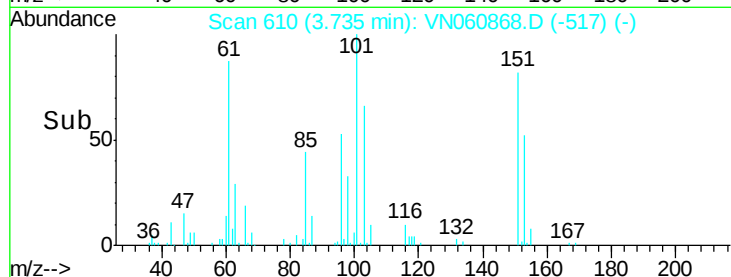
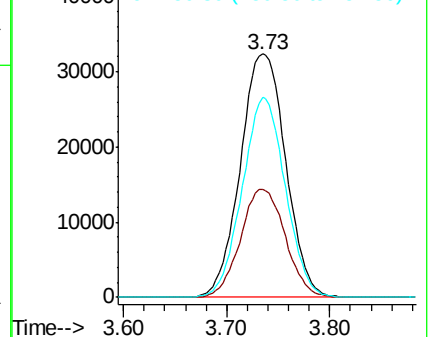
151 78.0 61.4 92.2



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: 43.823 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

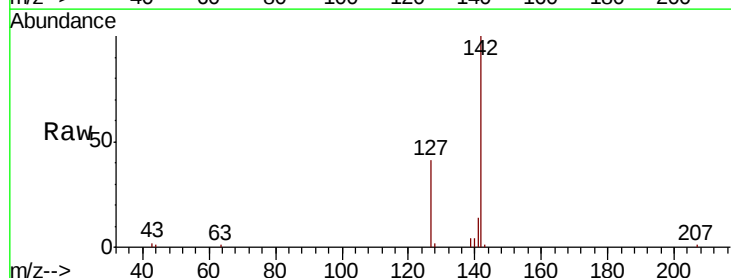
Tgt Ion:142 Resp: 77235

Ion Ratio Lower Upper

142 100

127 41.3 33.5 50.3

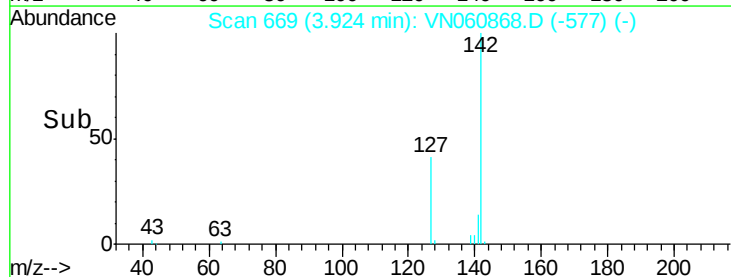
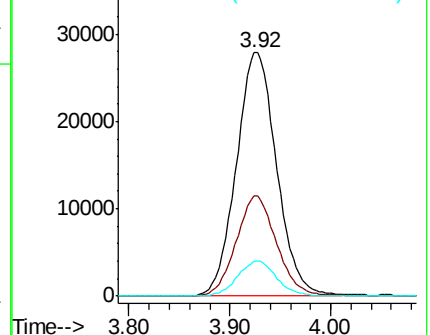
141 13.8 11.0 16.6

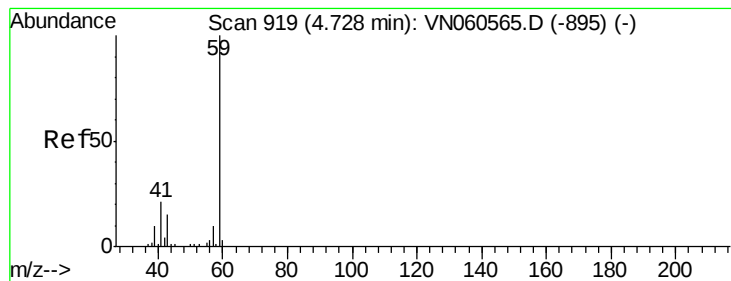


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



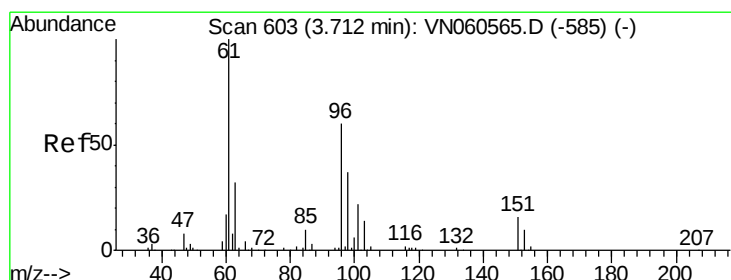
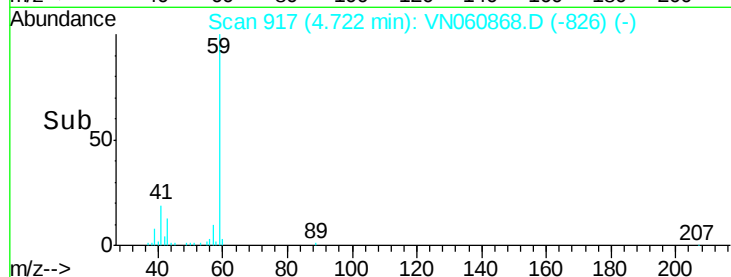
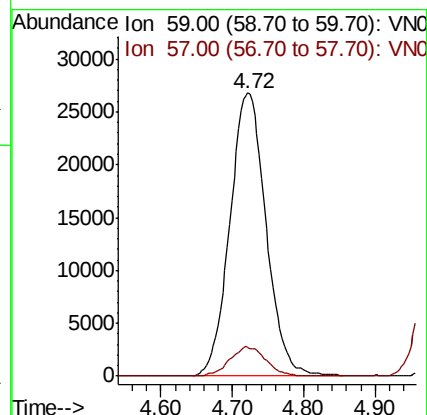
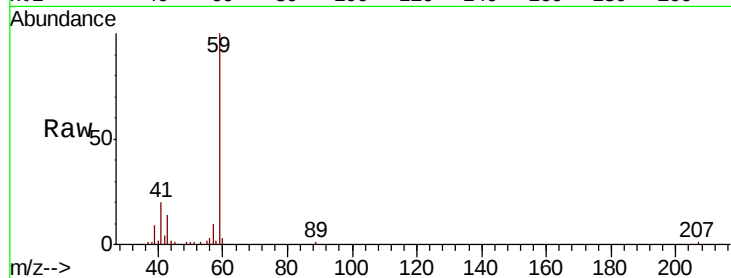


#11

Tert butyl alcohol
 Concen: 238.681 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

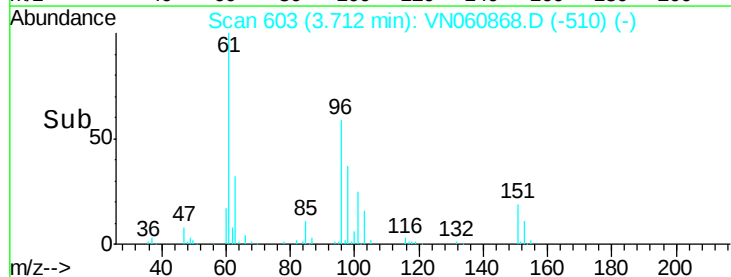
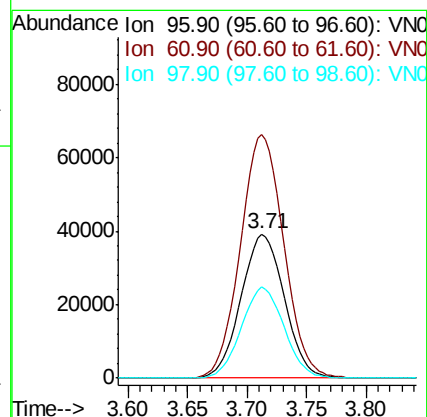
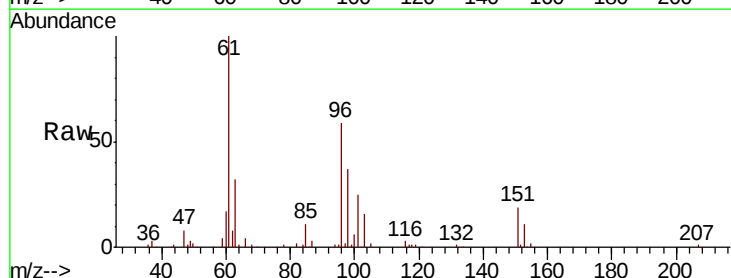
Tot Ion: 59 Resp: 94598
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4



#12

1,1-Dichloroethene
 Concen: 46.565 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion: 96 Resp: 98972
 Ion Ratio Lower Upper
 96 100
 61 169.1 134.1 201.1
 98 63.0 49.9 74.9





#13

Acrolein

Concen: 229.138 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

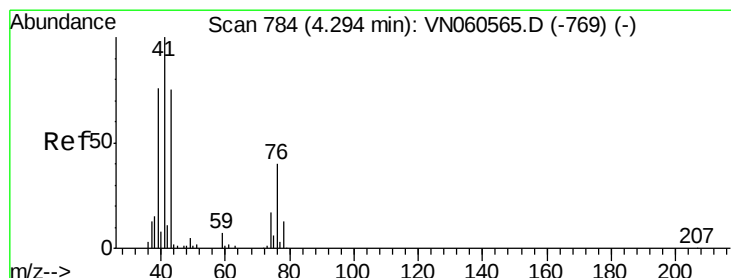
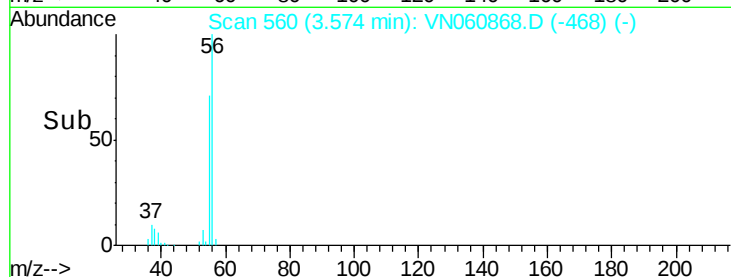
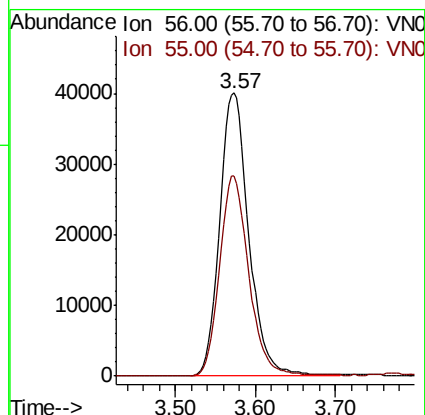
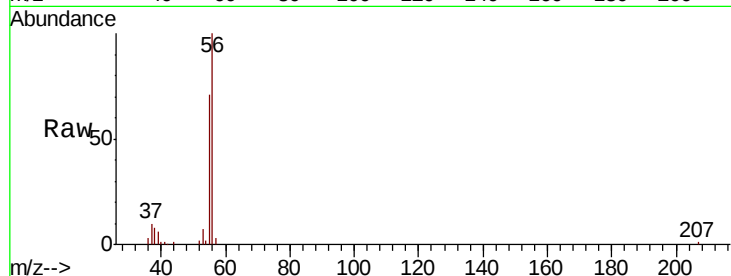
VSTDCCC050

Tot Ion: 56 Resp: 100651

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 48.758 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

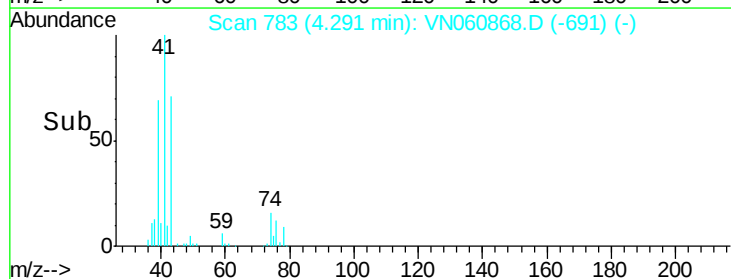
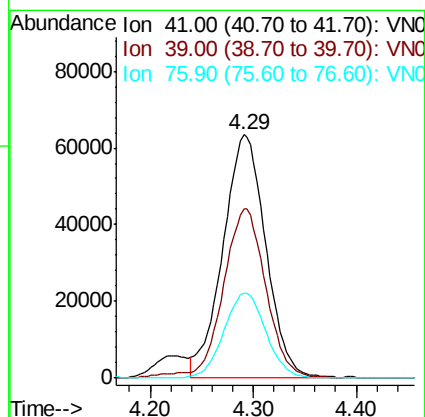
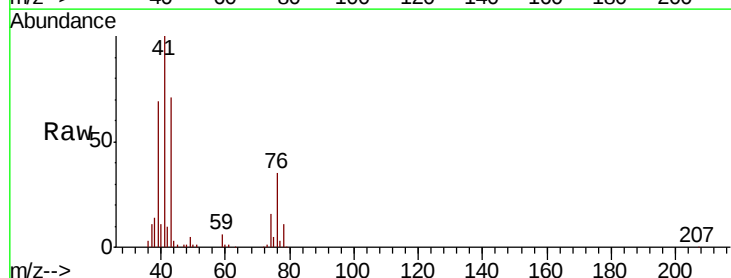
Tgt Ion: 41 Resp: 182266

Ion Ratio Lower Upper

41 100

39 70.1 57.8 86.8

76 34.6 28.6 43.0





#15

Acrylonitrile

Concen: 254.773 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

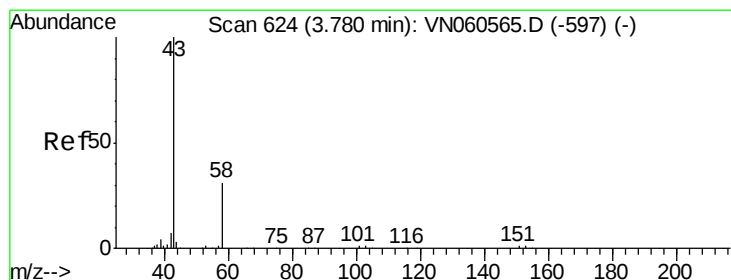
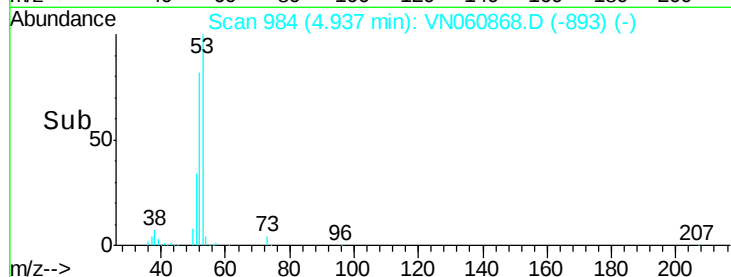
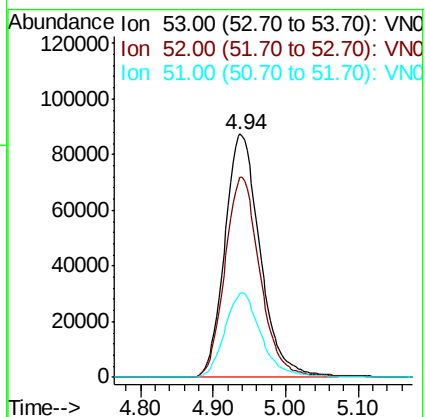
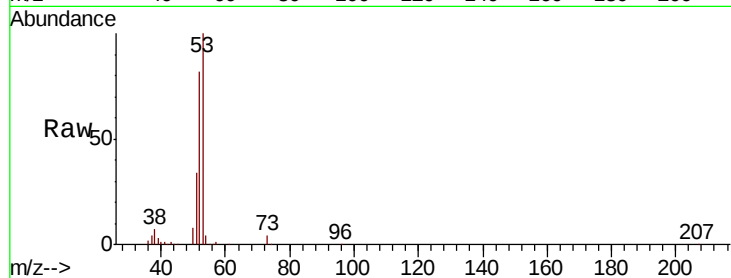
Tot Ion: 53 Resp: 296929

Ion Ratio Lower Upper

53 100

52 81.8 66.2 99.4

51 35.6 28.7 43.1



#16

Acetone

Concen: 291.584 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN060868.D

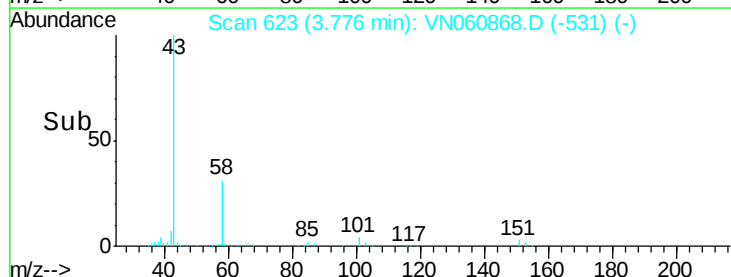
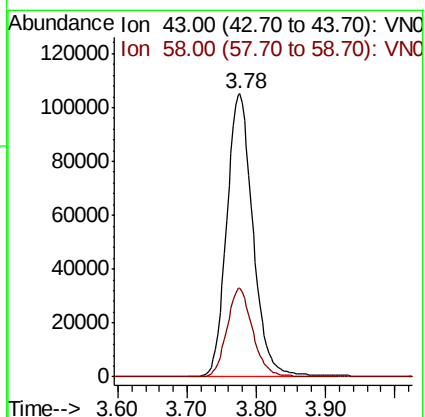
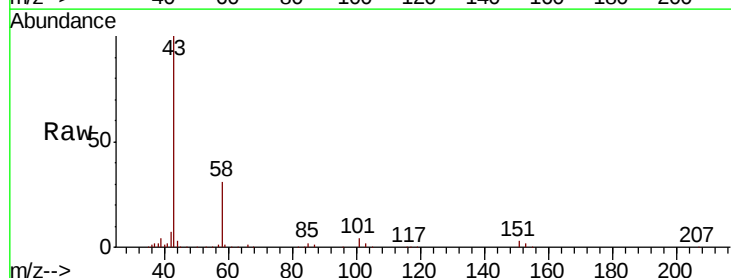
Acq: 7 Apr 2020 11:08

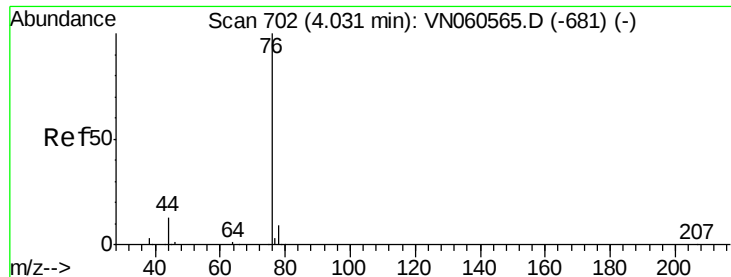
Tgt Ion: 43 Resp: 278345

Ion Ratio Lower Upper

43 100

58 31.5 25.1 37.7

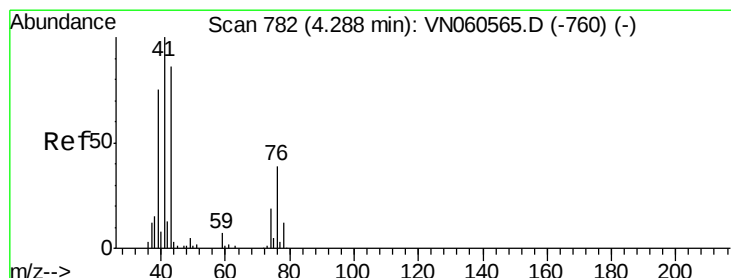
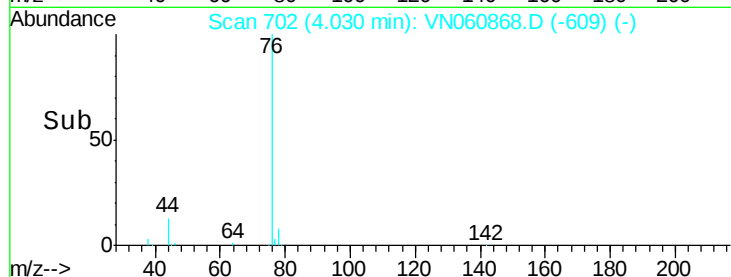
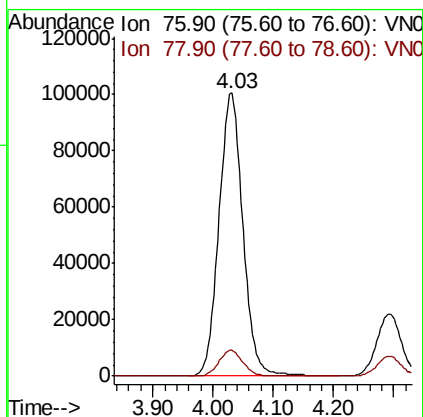
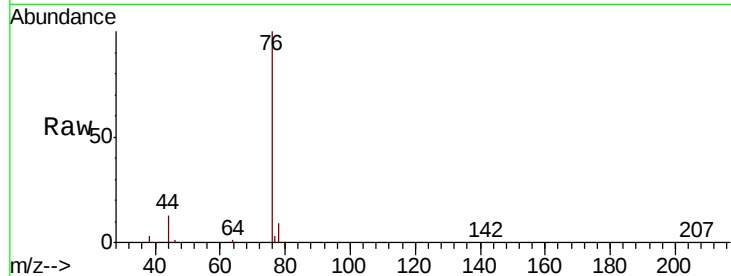




#17
Carbon Disulfide
Concen: 42.648 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

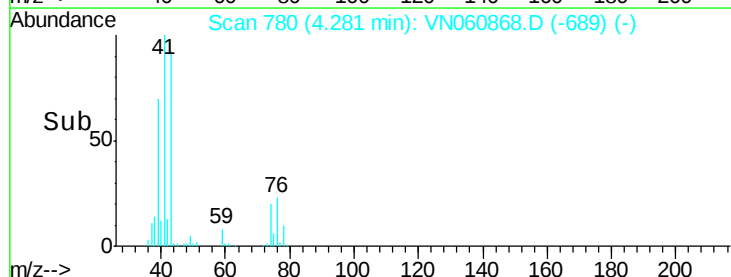
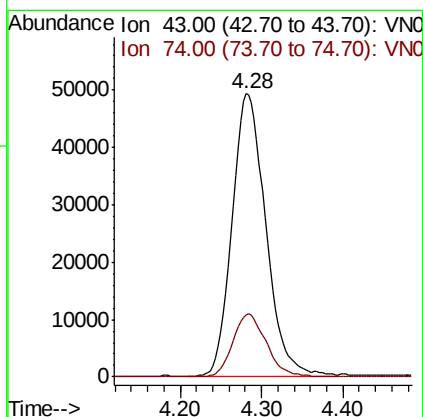
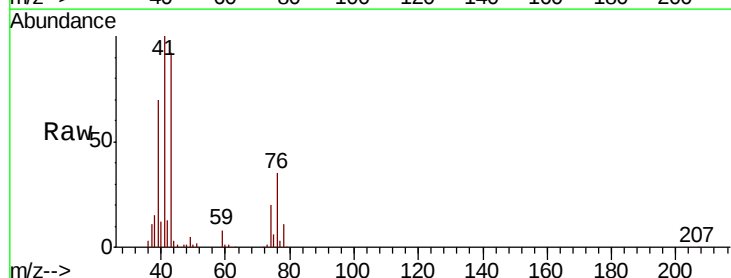
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

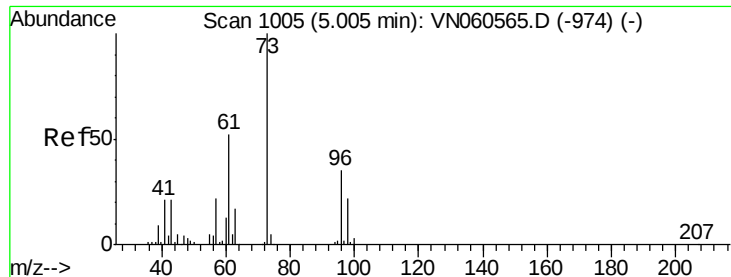
Tot Ion: 76 Resp: 275682
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 53.158 ug/l
RT: 4.28 min Scan# 780
Delta R.T. -0.01 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 43 Resp: 142832
Ion Ratio Lower Upper
43 100
74 22.0 17.5 26.3

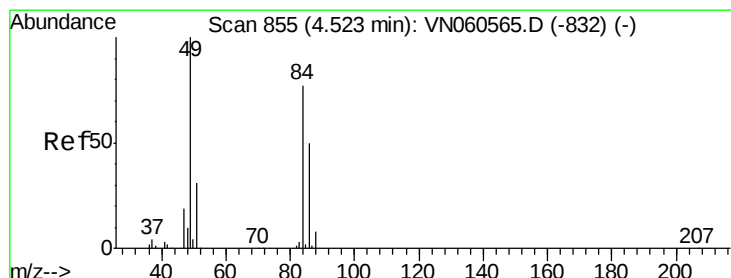
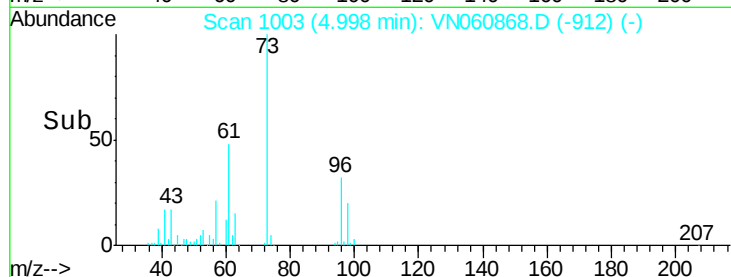
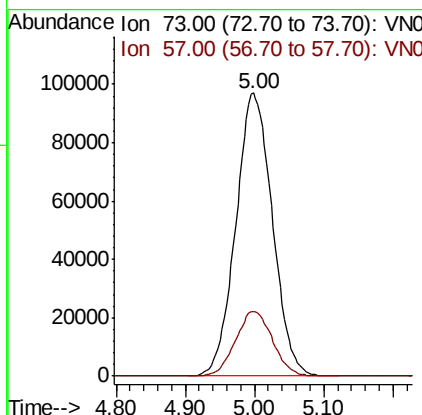
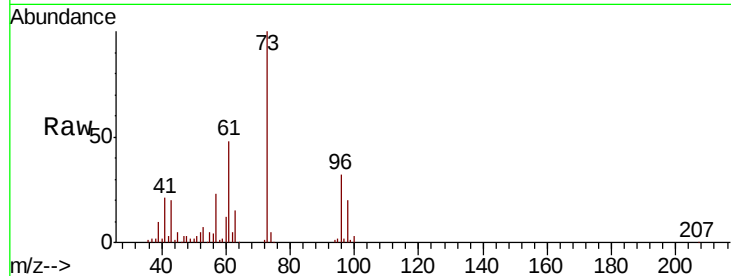




#19
Methvl tert-butvl Ether
Concen: 48.741 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

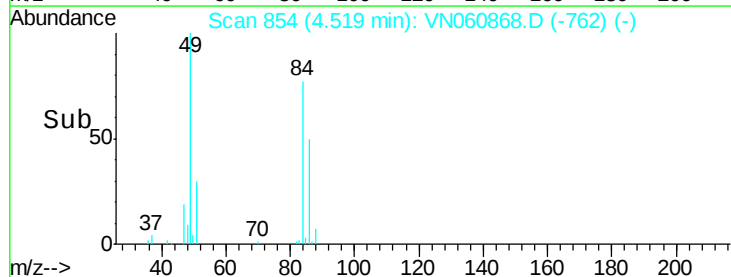
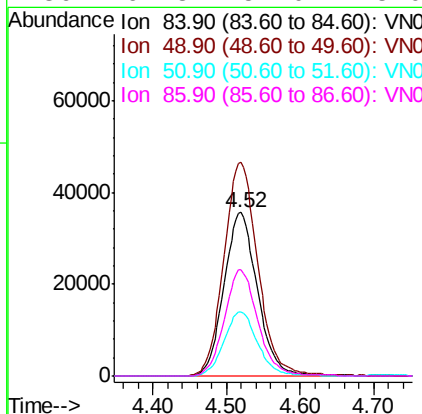
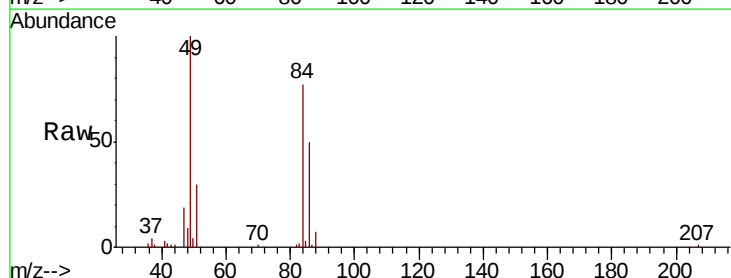
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 356173
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3



#20
Methylene Chloride
Concen: 47.957 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 84 Resp: 112616
Ion Ratio Lower Upper
84 100
49 130.6 103.3 154.9
51 39.5 31.6 47.4
86 64.8 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.730 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

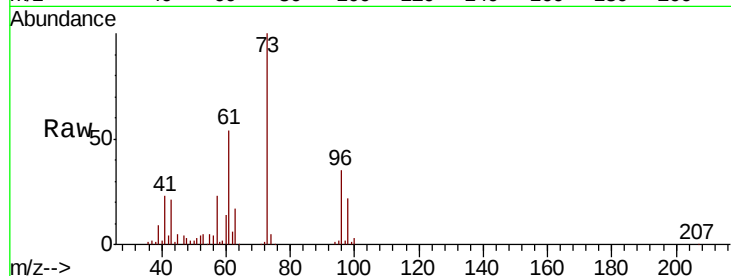
Tot Ion: 96 Resp: 105856

Ion Ratio Lower Upper

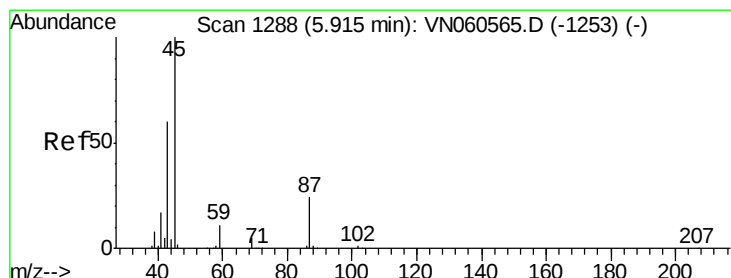
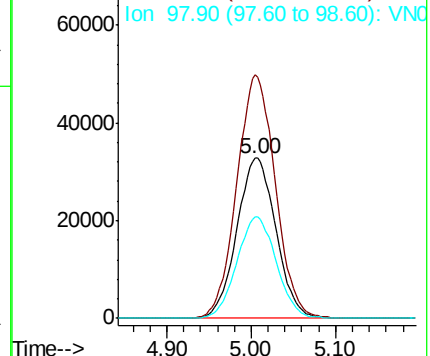
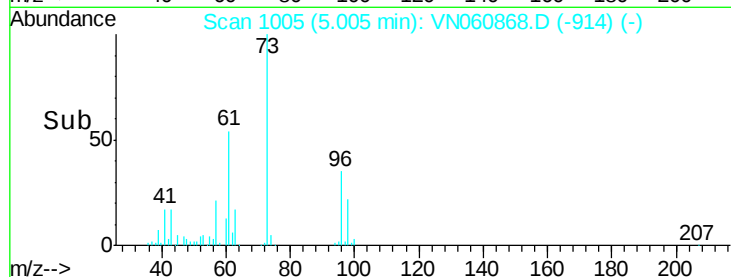
96 100

61 152.2 114.4 171.6

98 63.3 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN060868.D (-914) (-)



#22

Diisopropyl ether

Concen: 51.281 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion: 45 Resp: 405001

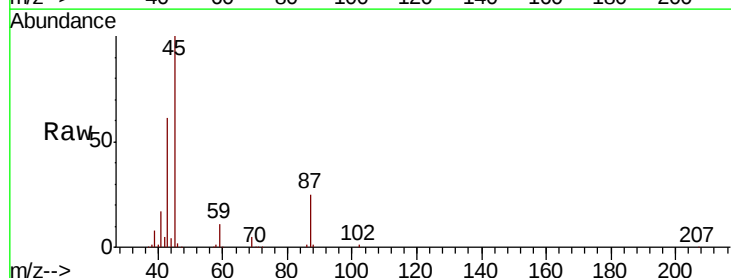
Ion Ratio Lower Upper

45 100

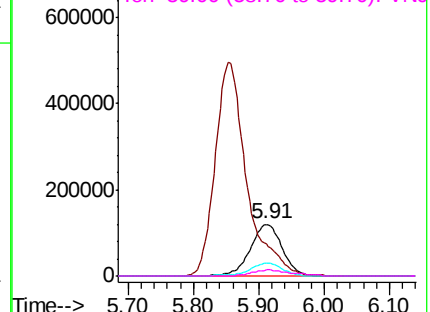
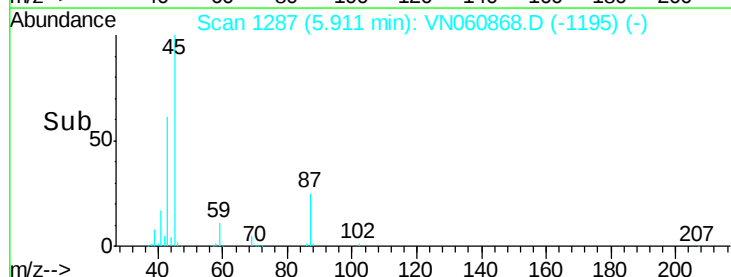
43 60.3 49.8 74.8

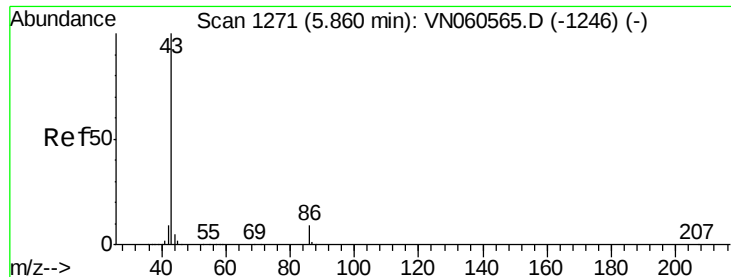
87 24.7 20.1 30.1

59 11.3 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN060868.D (-1195) (-)





#23

Vinyl Acetate

Concen: 258.220 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

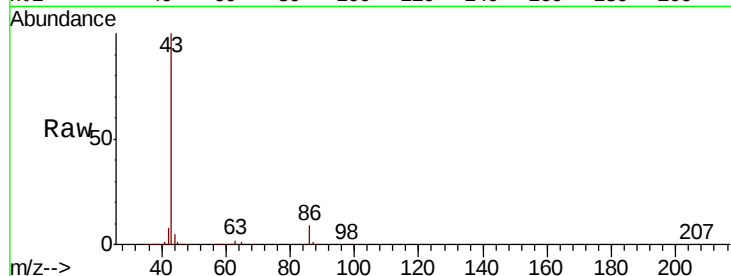
VSTDCCC050

Tot Ion: 43 Resp: 1663926

Ion Ratio Lower Upper

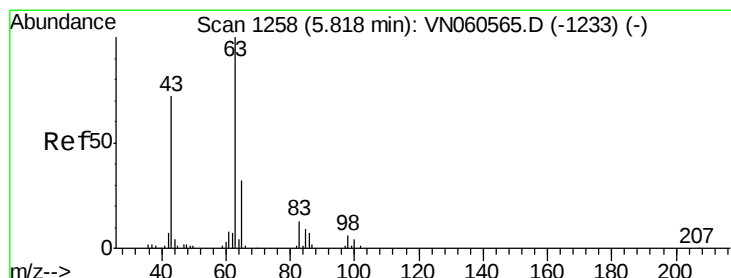
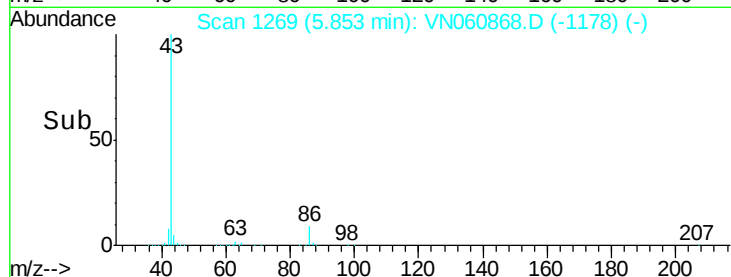
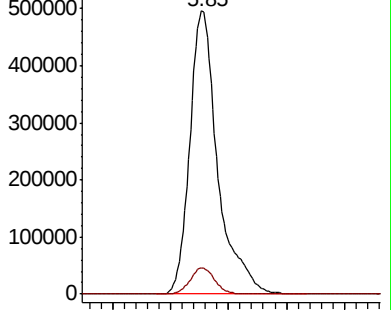
43 100

86 9.2 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN060868.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060868.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 49.588 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

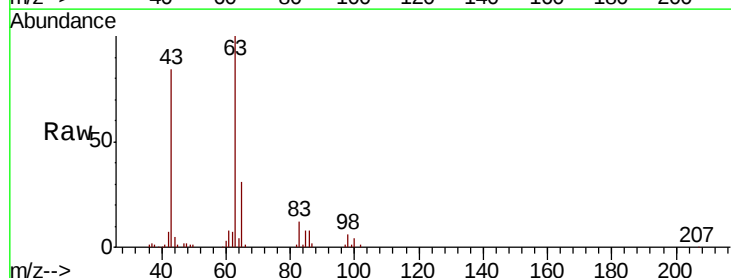
Tgt Ion: 63 Resp: 213495

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

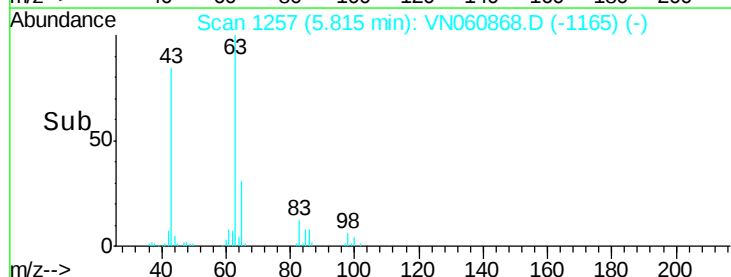
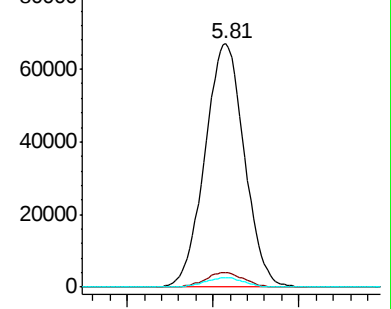
100 3.8 1.8 5.5

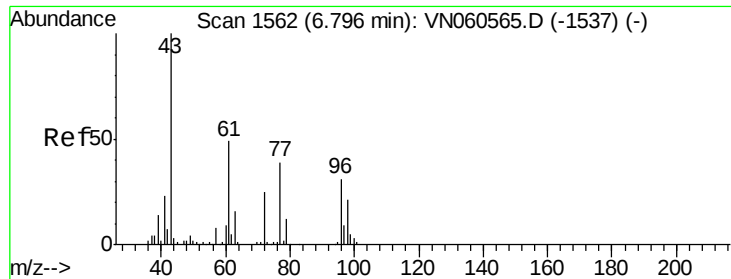


Abundance Ion 62.90 (62.60 to 63.60): VN060868.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060868.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060868.D (-1165) (-)

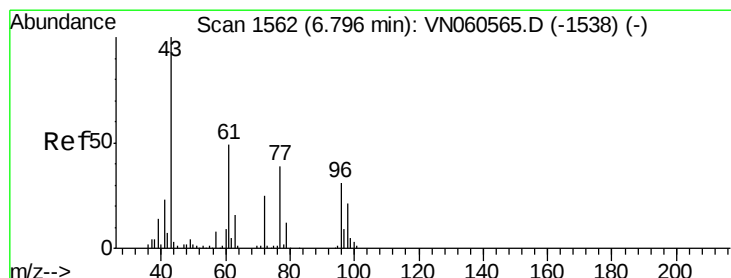
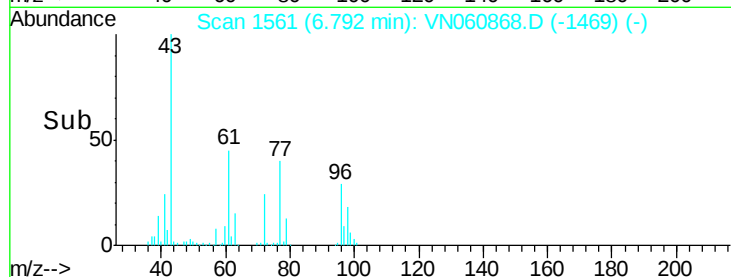
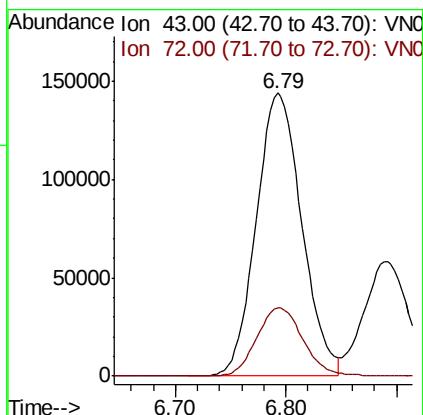
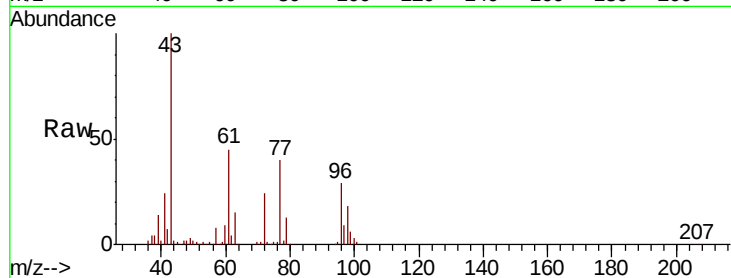




#25
2-Butanone
Concen: 266.490 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

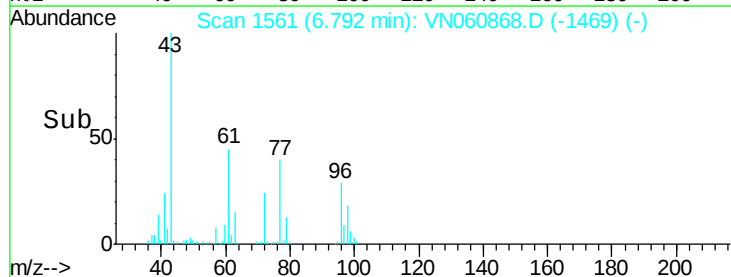
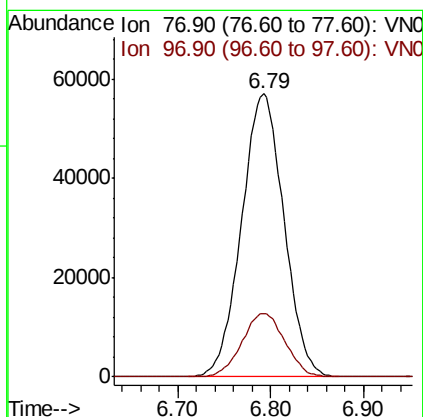
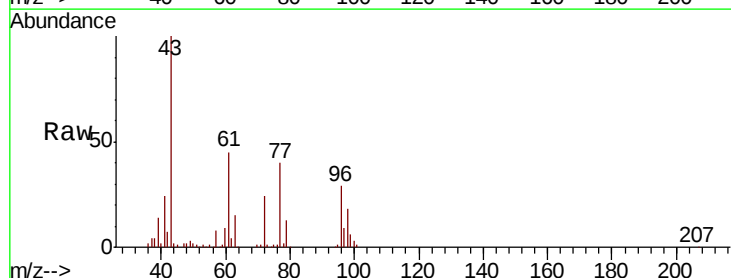
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

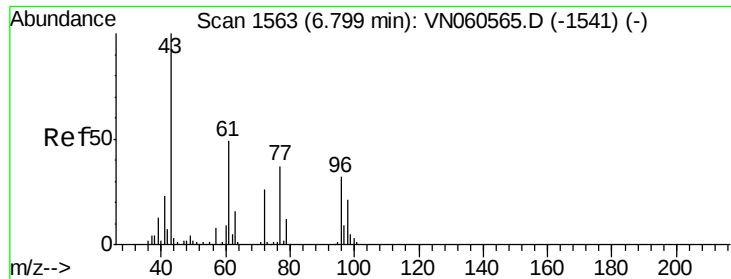
Tot Ion: 43 Resp: 411647
Ion Ratio Lower Upper
43 100
72 24.1 20.4 30.6



#26
2,2-Dichloropropane
Concen: 53.412 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 77 Resp: 180929
Ion Ratio Lower Upper
77 100
97 22.6 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 48.431 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

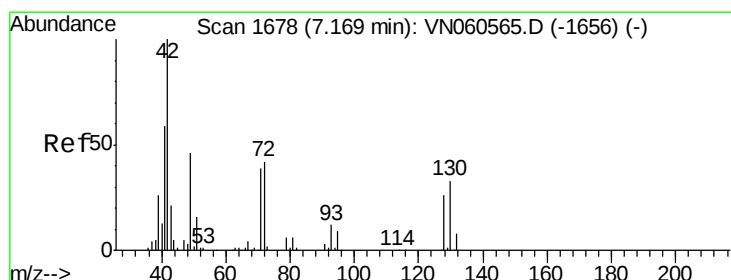
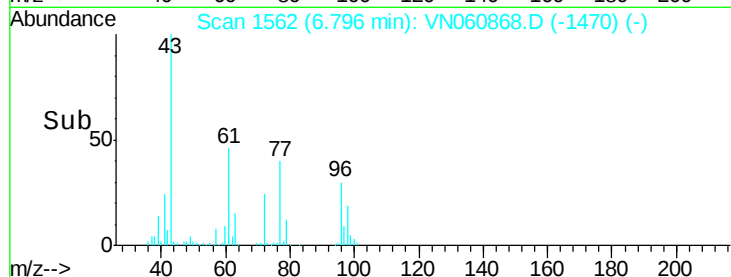
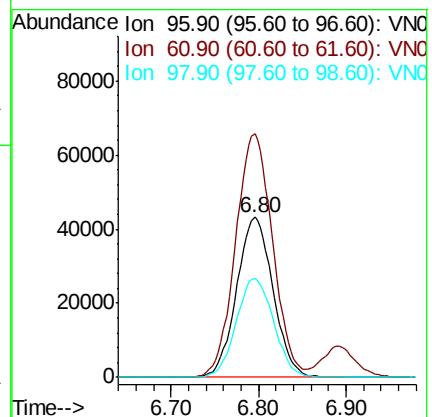
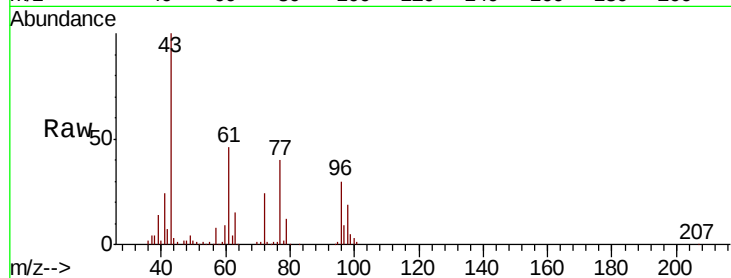
Tot Ion: 96 Resp: 124671

Ion Ratio Lower Upper

96 100

61 154.9 0.0 305.6

98 63.5 0.0 127.6



#28

Bromochloromethane

Concen: 50.399 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

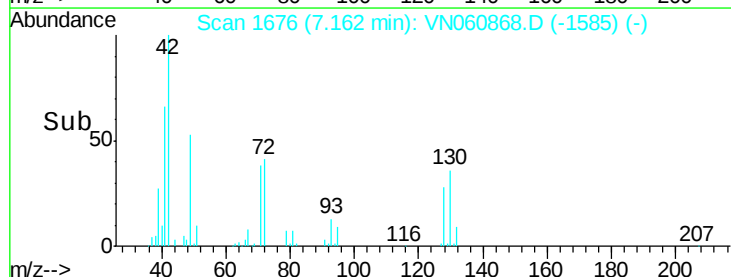
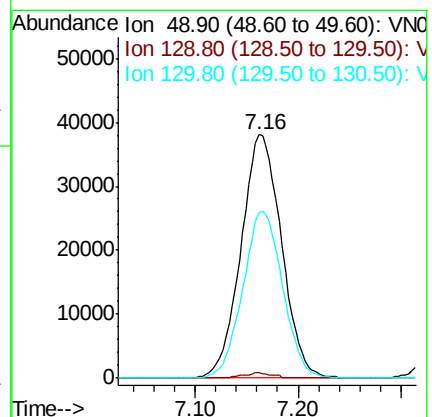
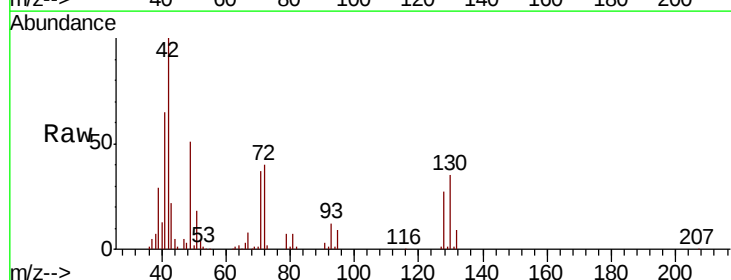
Tgt Ion: 49 Resp: 103816

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

130 67.3 55.0 82.4

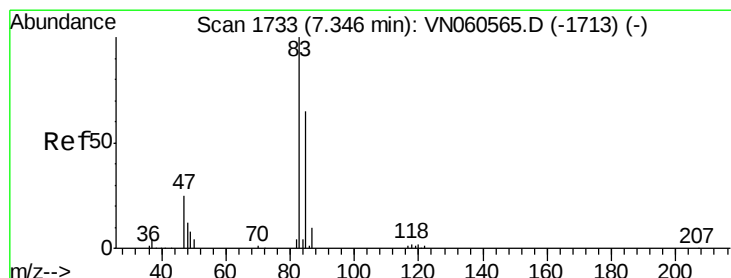
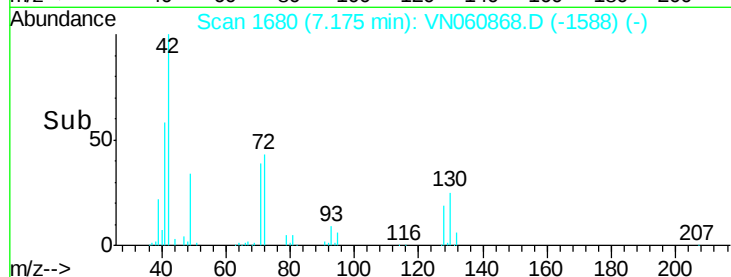
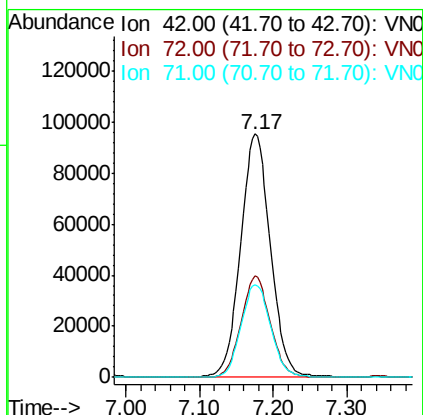
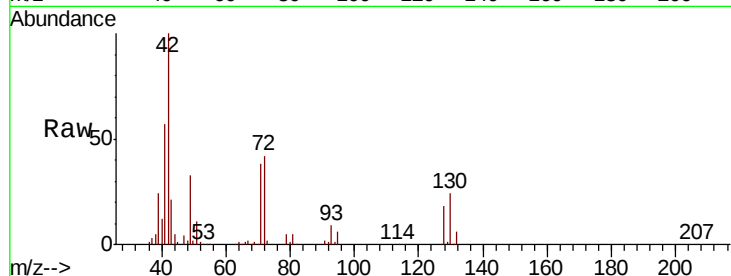




#29
Tetrahydrofuran
Concen: 246.775 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

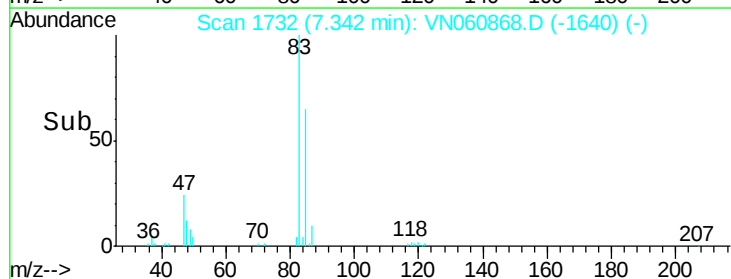
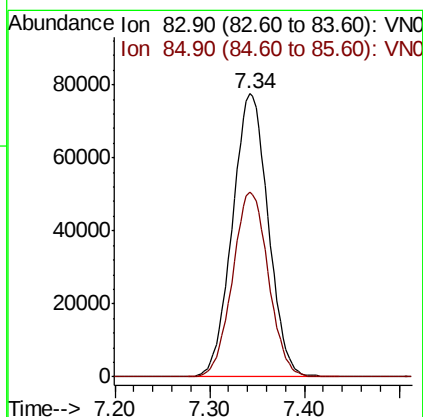
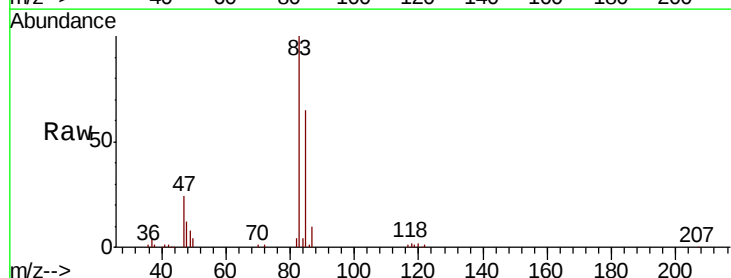
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

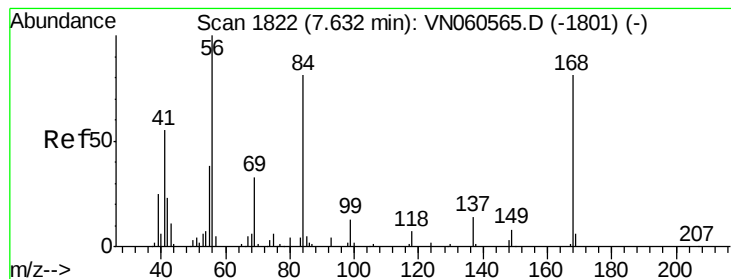
Tot Ion: 42 Resp: 269709
Ion Ratio Lower Upper
42 100
72 40.4 33.2 49.8
71 37.8 31.1 46.7



#30
Chloroform
Concen: 49.416 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 83 Resp: 203962
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.8





#31

Cyclohexane

Concen: 45.436 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

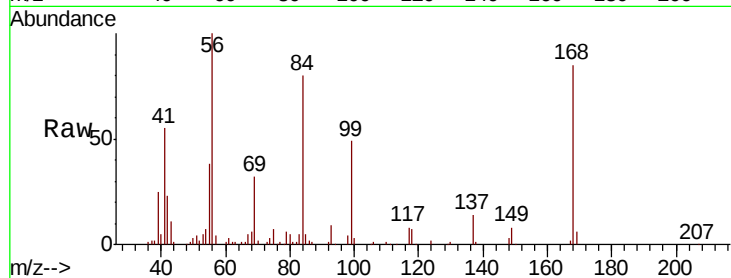
Tot Ion: 56 Resp: 197216

Ion Ratio Lower Upper

56 100

69 32.1 26.6 40.0

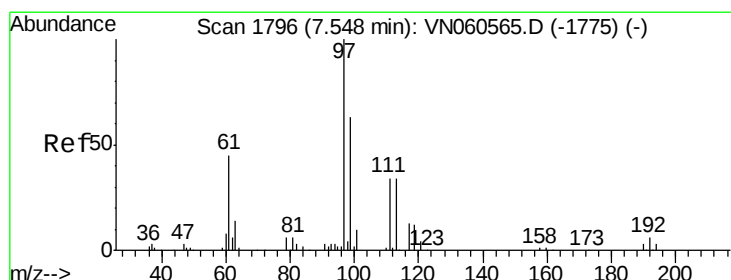
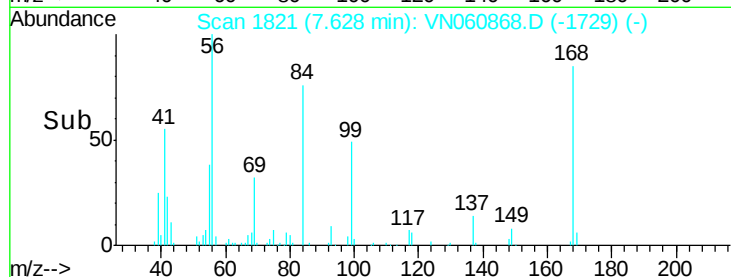
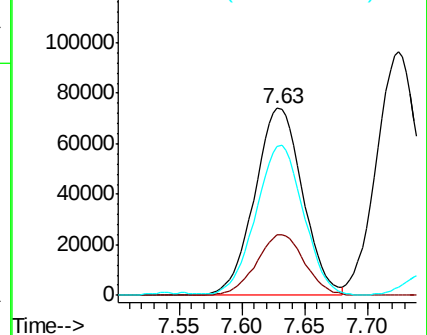
84 78.6 64.3 96.5



Abundance Ion 56.00 (55.70 to 56.70): VN060868.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060868.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060868.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 49.053 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

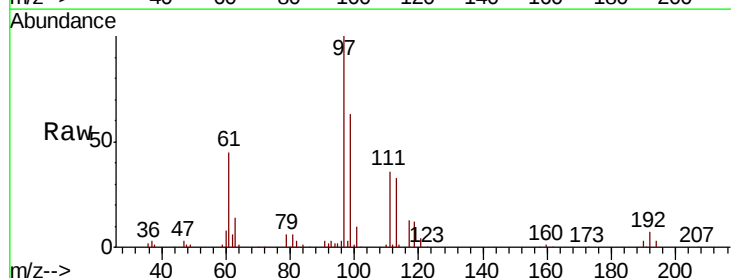
Tgt Ion: 97 Resp: 174537

Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

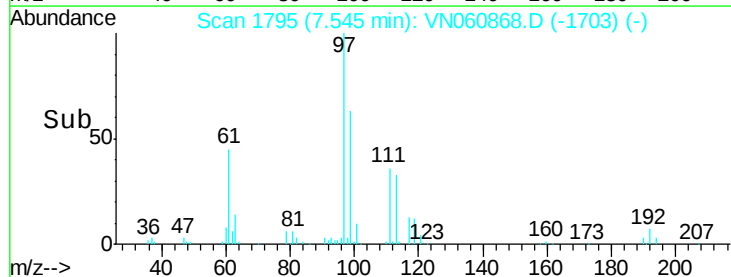
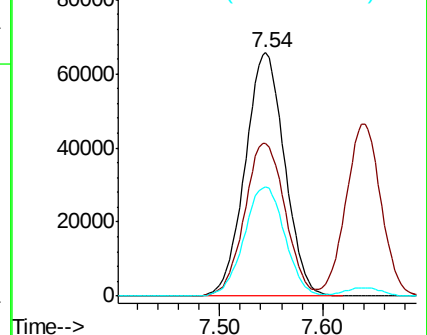
61 46.2 36.2 54.4

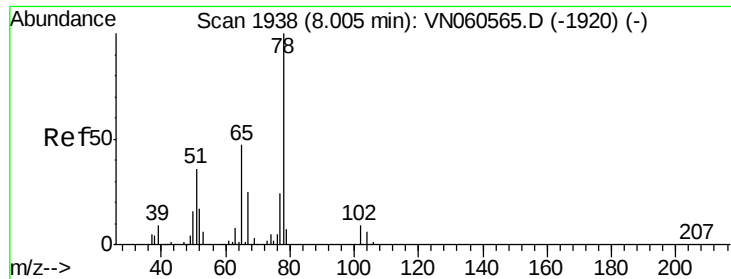


Abundance Ion 96.90 (96.60 to 97.60): VN060868.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060868.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060868.D (-1703) (-)

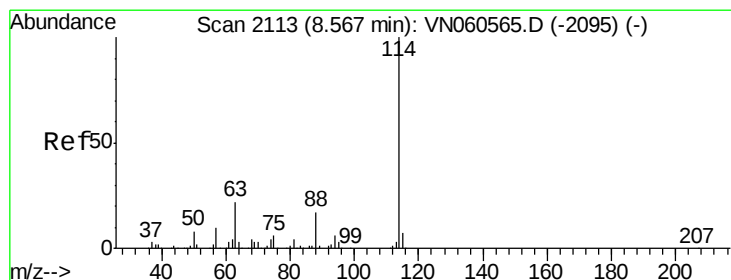
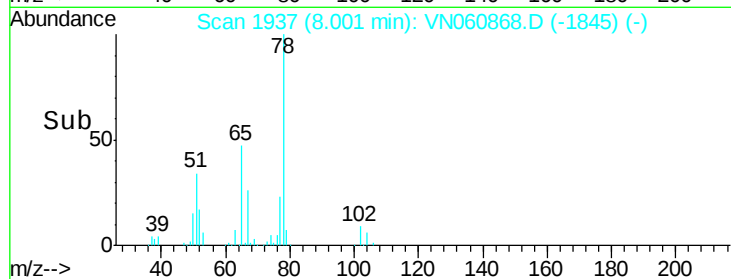
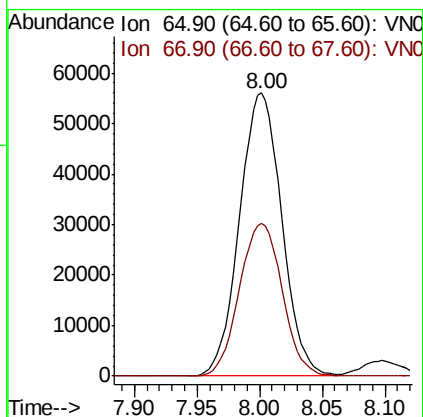
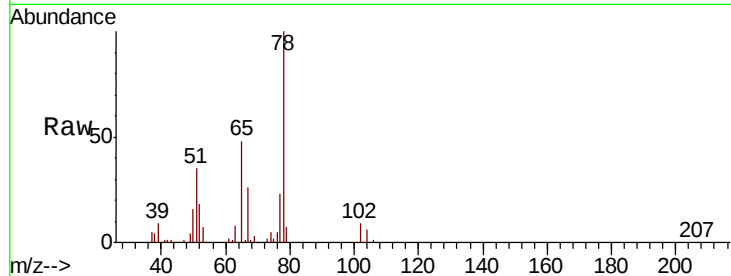




#33
 1,2-Dichloroethane-d4
 Concen: 48.796 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

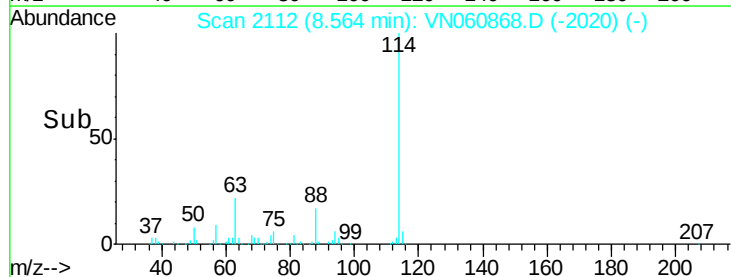
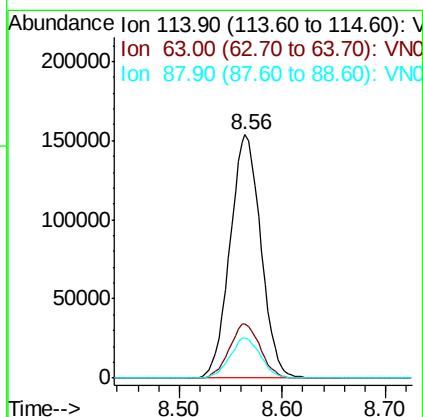
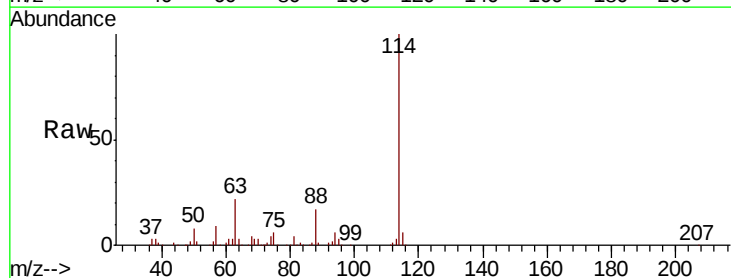
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

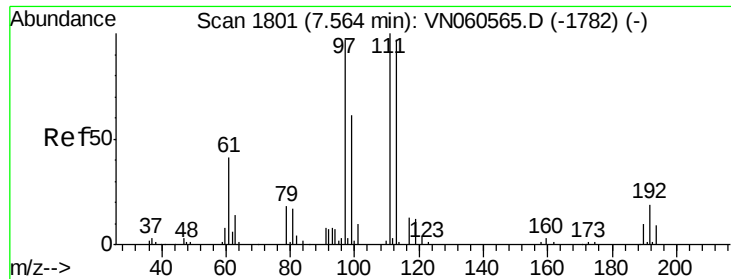
Tot Ion: 65 Resp: 131500
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion: 114 Resp: 319806
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.8
 88 16.7 0.0 33.0

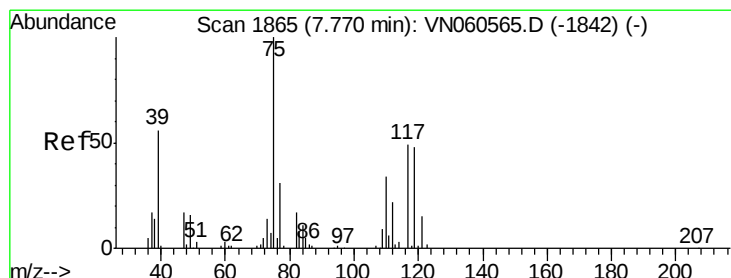
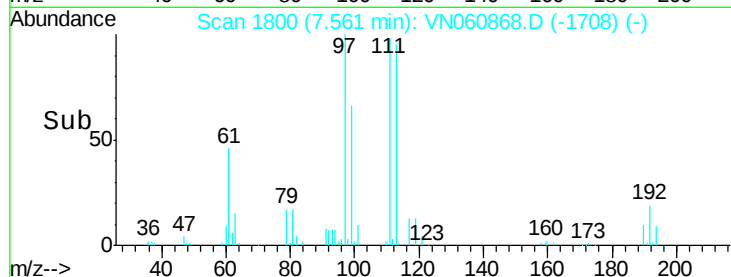
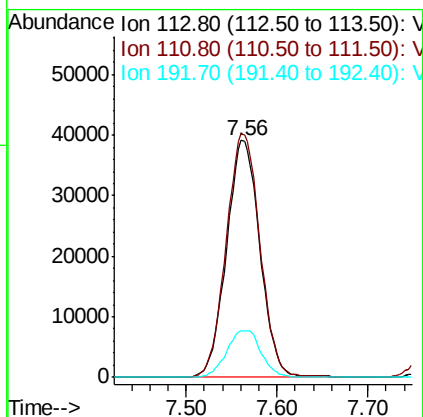
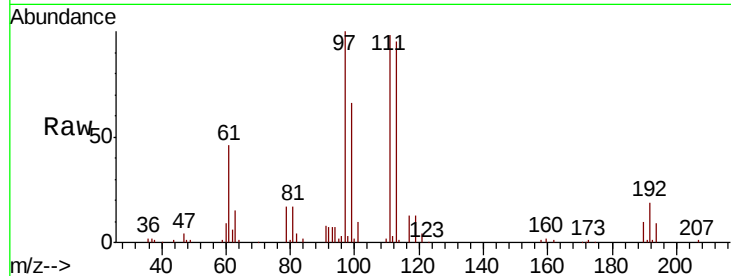




#35
Dibromofluoromethane
Concen: 51.575 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

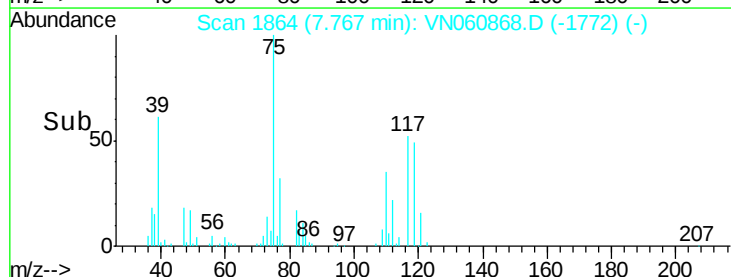
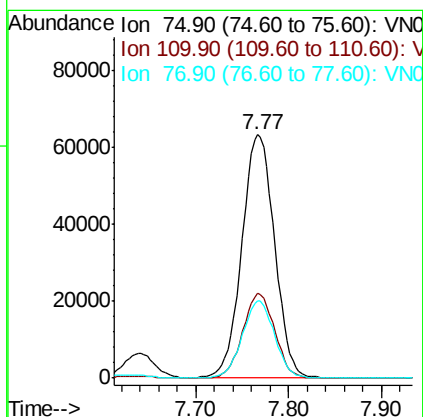
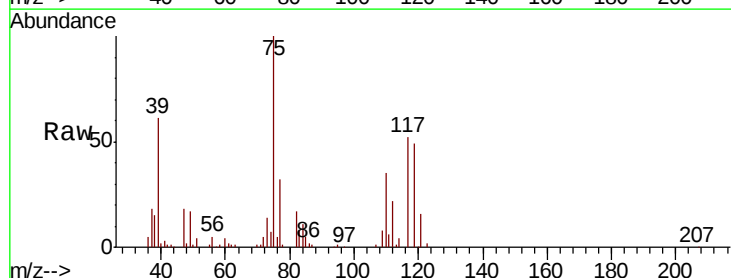
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

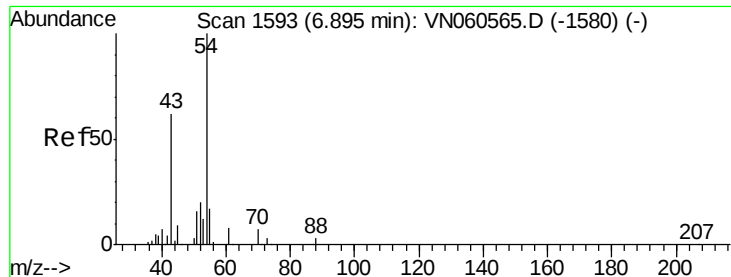
Tot Ion:113 Resp: 99735
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 20.3 15.8 23.8



#36
1,1-Dichloropropene
Concen: 50.292 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 75 Resp: 155739
Ion Ratio Lower Upper
75 100
110 33.8 16.9 50.6
77 31.3 24.6 36.8

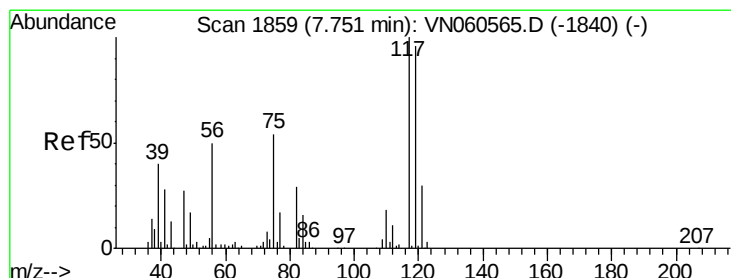
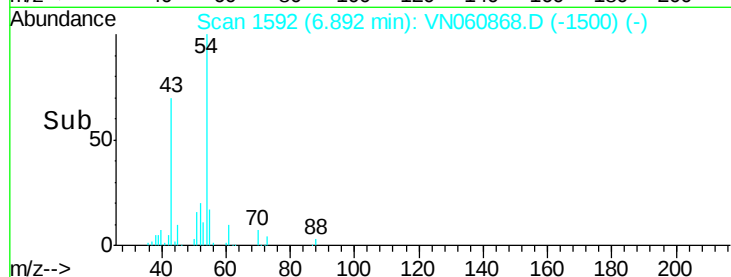
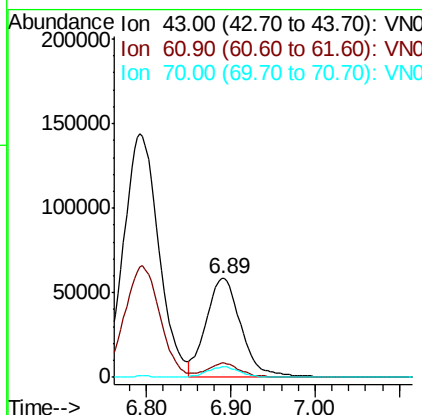
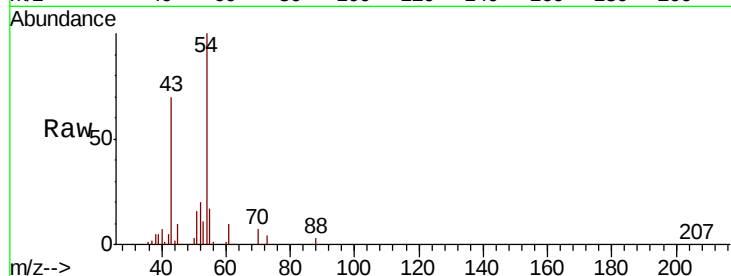




#37
Ethyl Acetate
Concen: 50.158 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

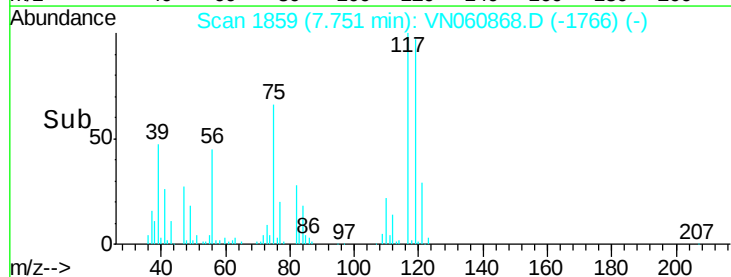
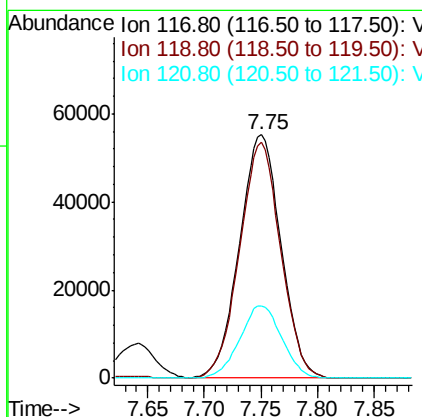
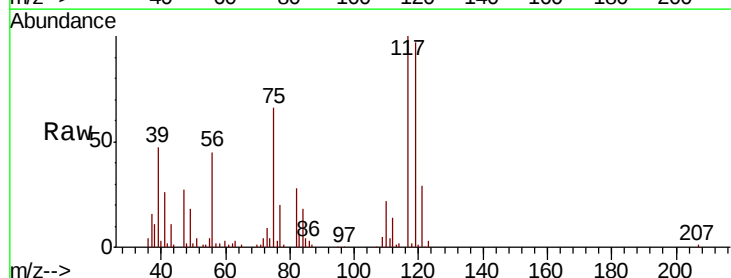
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

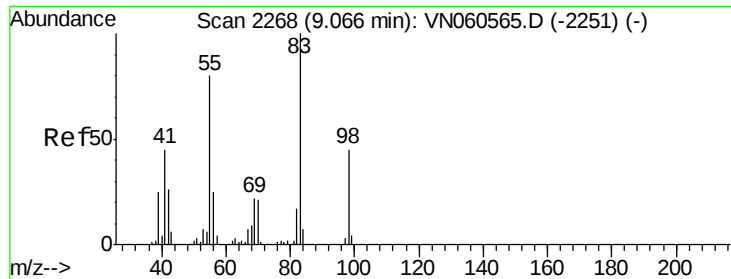
Tot Ion: 43 Resp: 167832
Ion Ratio Lower Upper
43 100
61 12.9 10.6 15.8
70 9.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 50.858 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 117 Resp: 141154
Ion Ratio Lower Upper
117 100
119 96.9 76.2 114.2
121 29.5 23.7 35.5

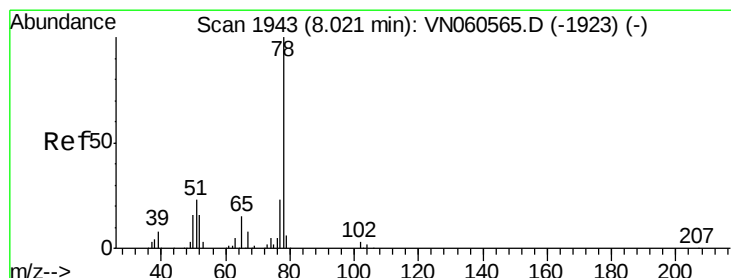
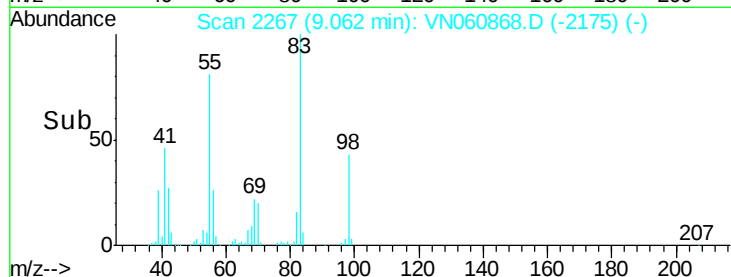
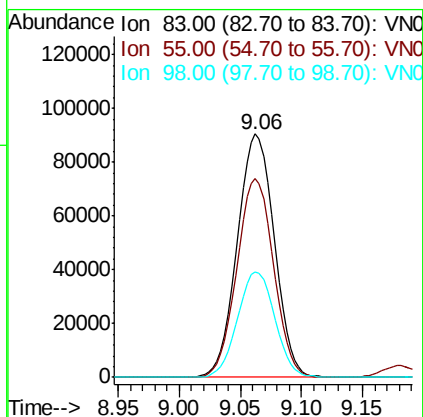
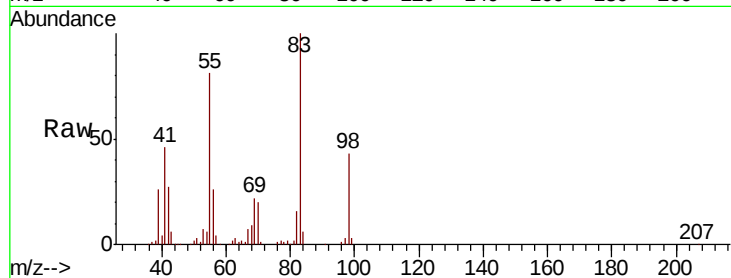




#39
Methvlcvclohexane
Concen: 51.594 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

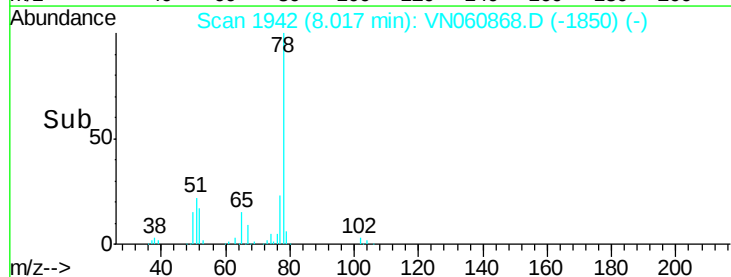
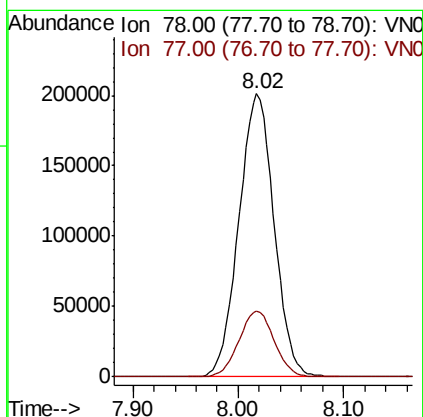
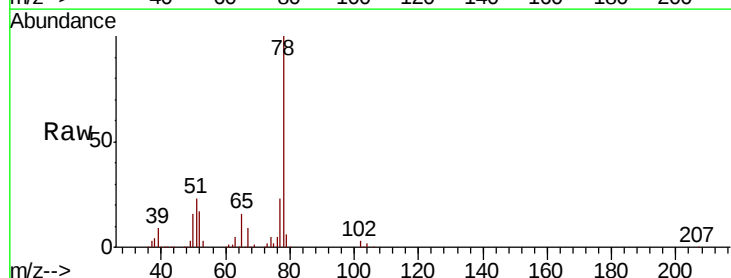
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

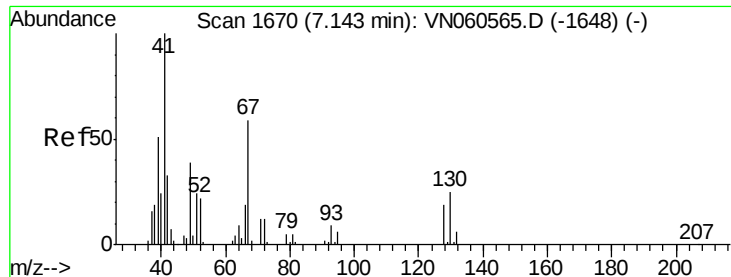
Tot Ion	83.00	Resp	189869
Ion	Ratio	Lower	Upper
83	100		
55	81.5	63.6	95.4
98	43.5	36.0	54.0



#40
Benzene
Concen: 49.980 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion	78.00	Resp	467223
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0

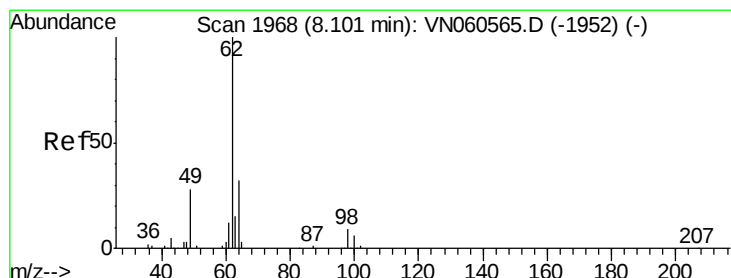
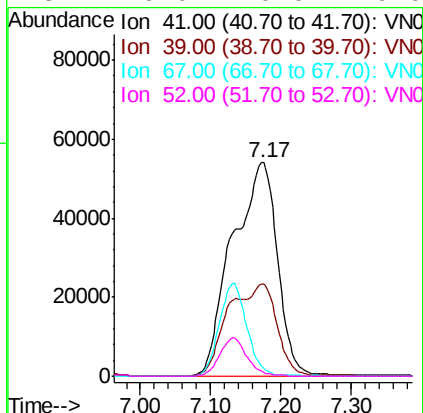
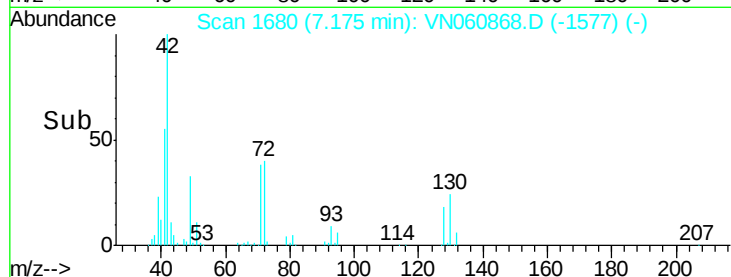
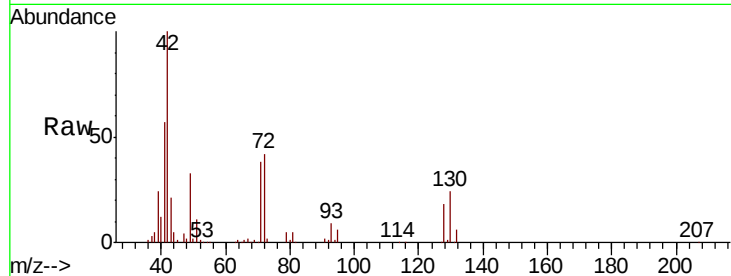




#41
Methacrylonitrile
Concen: 168.429 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

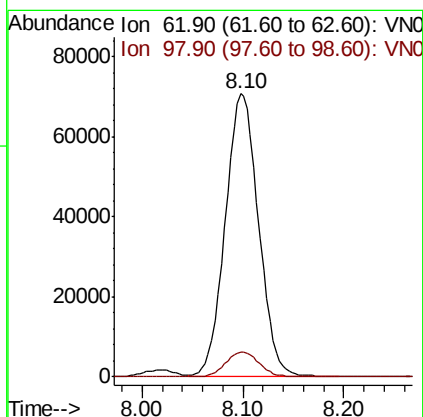
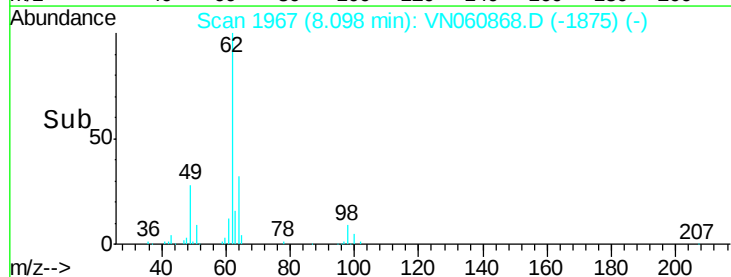
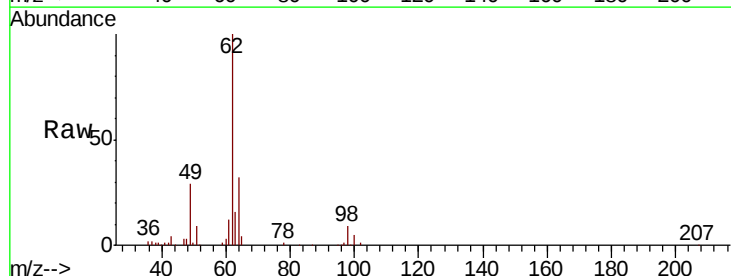
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

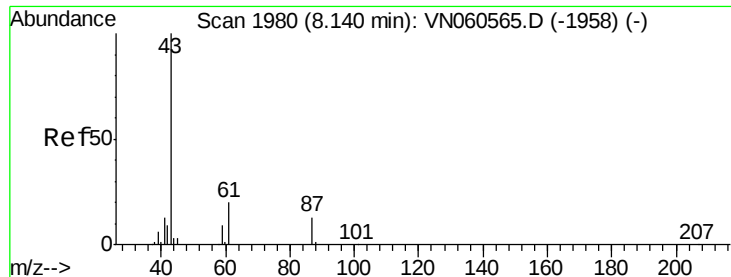
Tot Ion:	41	Resp:	240518
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 50.943 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion:	62	Resp:	162750
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8

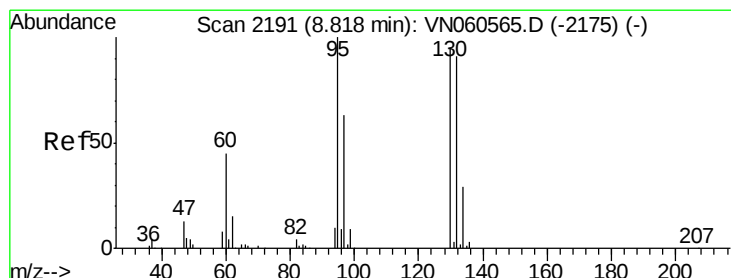
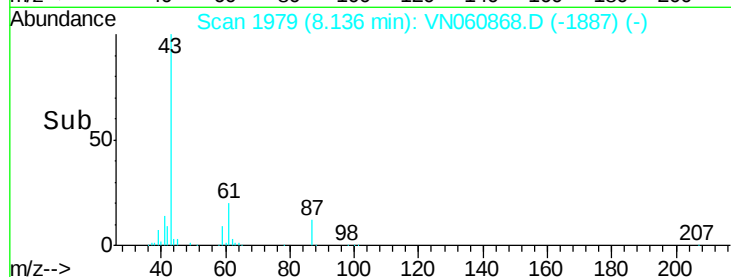
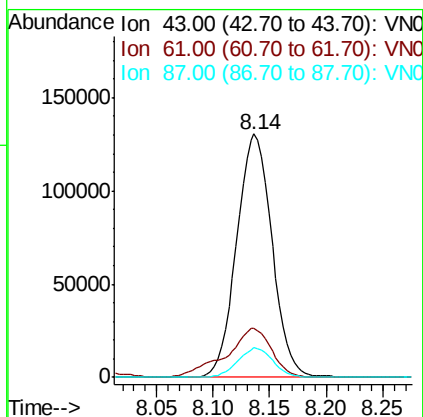
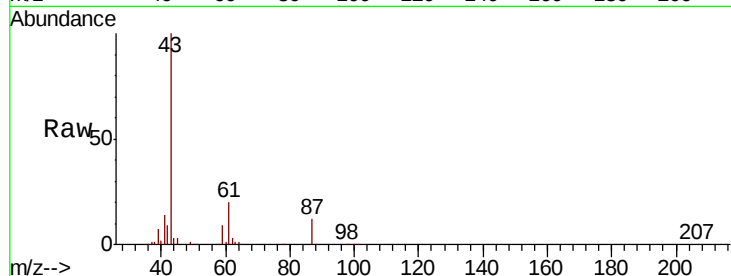




#43
Isopropyl Acetate
Concen: 51.573 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

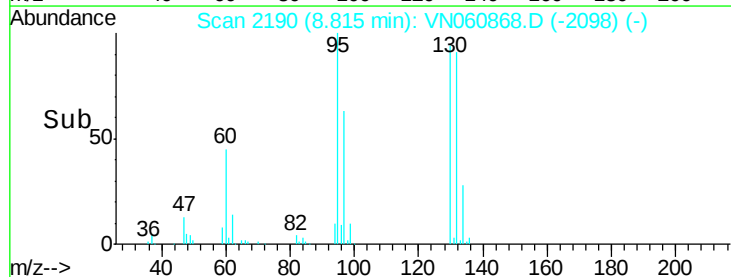
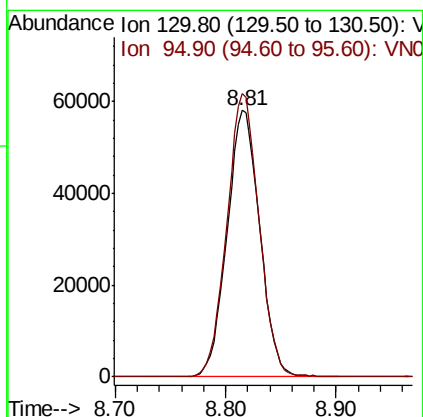
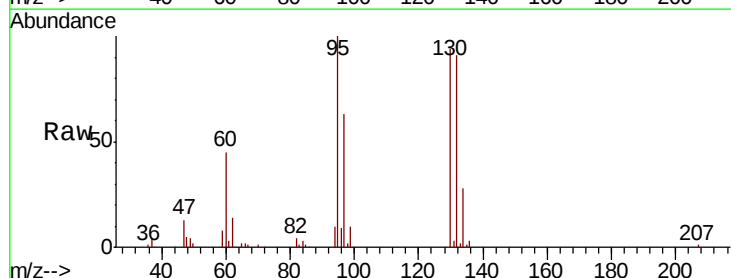
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

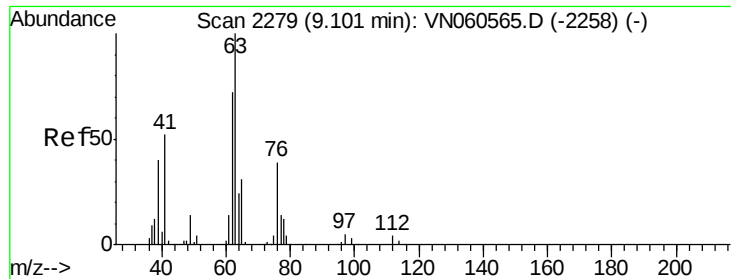
Tot Ion: 43 Resp: 284595
Ion Ratio Lower Upper
43 100
61 25.8 20.7 31.1
87 12.0 9.8 14.8



#44
Trichloroethene
Concen: 50.561 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 130 Resp: 119150
Ion Ratio Lower Upper
130 100
95 106.2 0.0 211.2





#45

1,2-Dichloropropane

Concen: 52.678 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

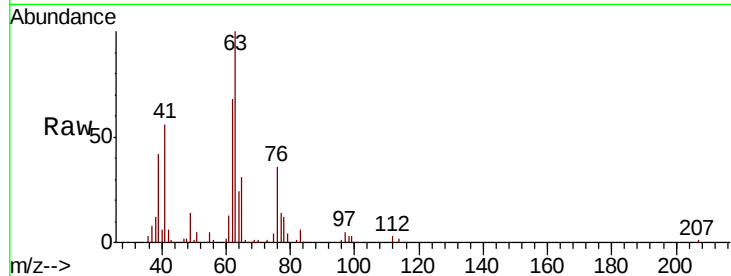
VSTDCCC050

Tot Ion: 63 Resp: 129940

Ion Ratio Lower Upper

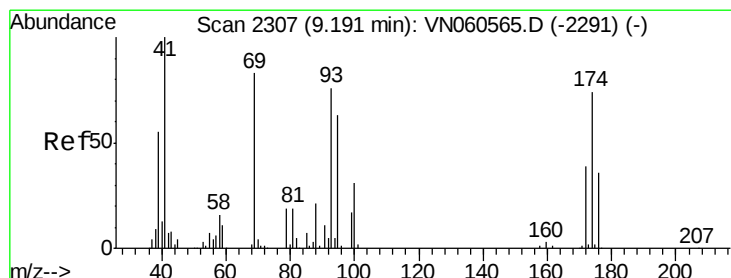
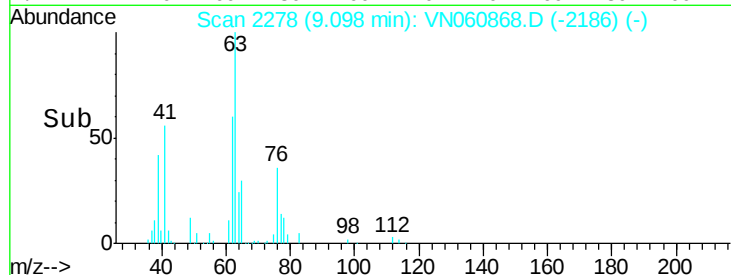
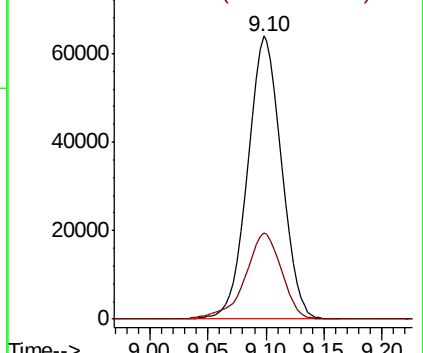
63 100

65 30.5 25.4 38.0



Abundance Ion 62.90 (62.60 to 63.60): VN060868.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060868.D (-2186) (-)



#46

Dibromomethane

Concen: 50.906 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

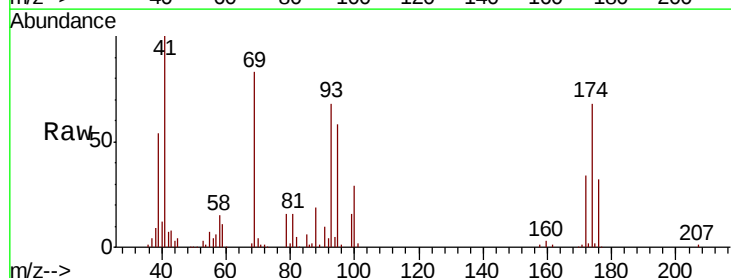
Tgt Ion: 93 Resp: 75915

Ion Ratio Lower Upper

93 100

95 84.5 66.2 99.4

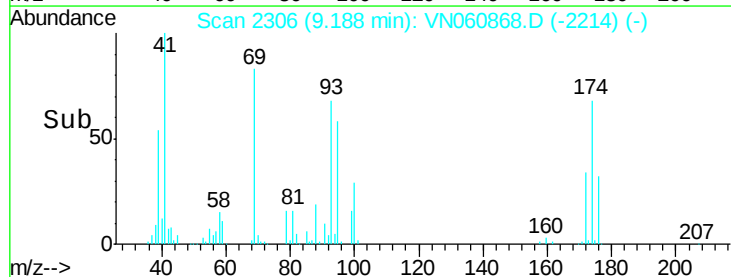
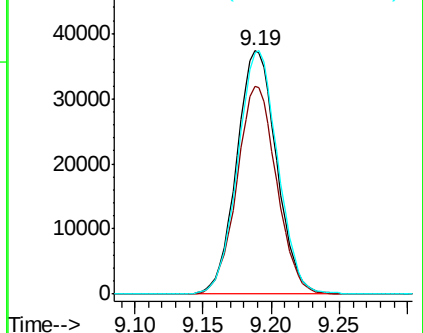
174 100.0 77.9 116.9



Abundance Ion 92.80 (92.50 to 93.50): VN060868.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060868.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060868.D (-2214) (-)





#47

Bromodichloromethane

Concen: 51.957 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

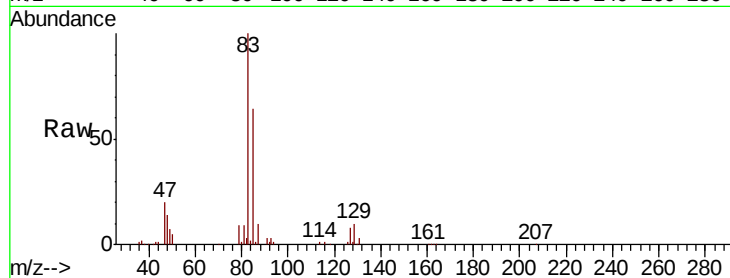
Tot Ion: 83 Resp: 161007

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.6

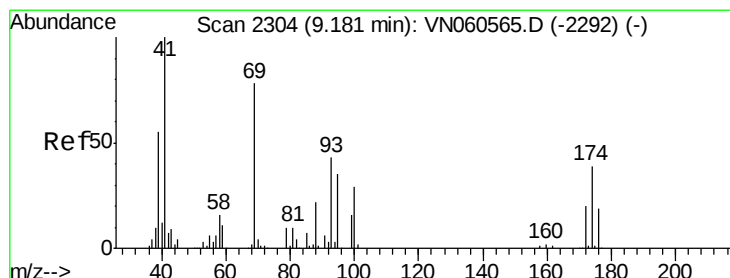
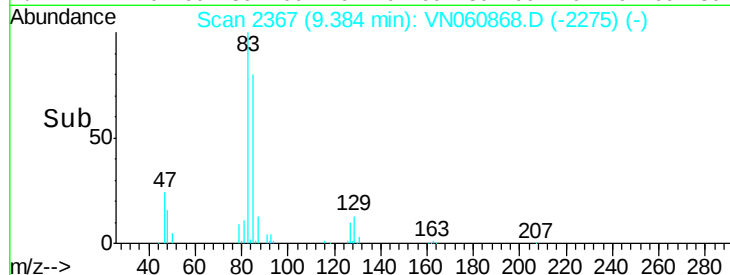
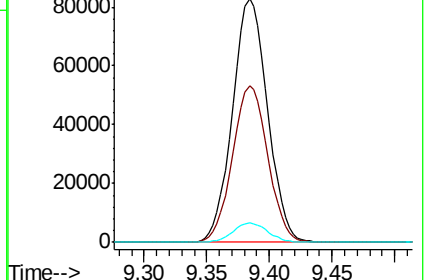
127 7.9 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN060868.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060868.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060868.D (-2275) (-)



#48

Methyl methacrylate

Concen: 50.873 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

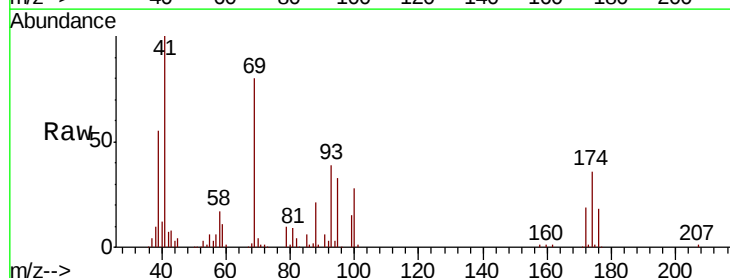
Tgt Ion: 41 Resp: 124991

Ion Ratio Lower Upper

41 100

69 83.6 65.4 98.0

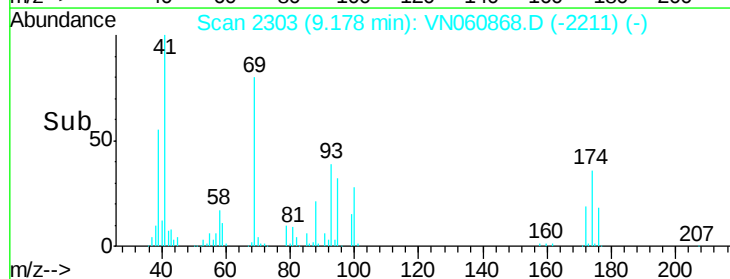
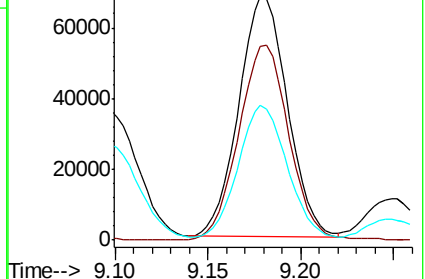
39 54.6 44.0 66.0

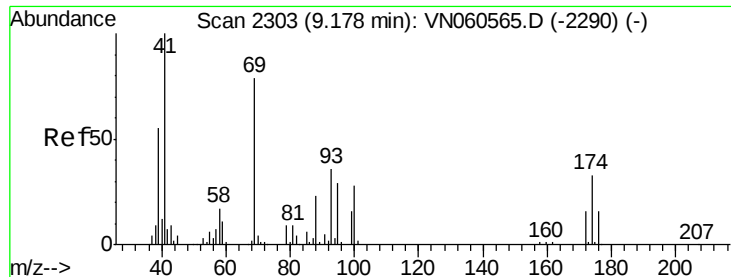


Abundance Ion 41.00 (40.70 to 41.70): VN060868.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060868.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060868.D (-2211) (-)

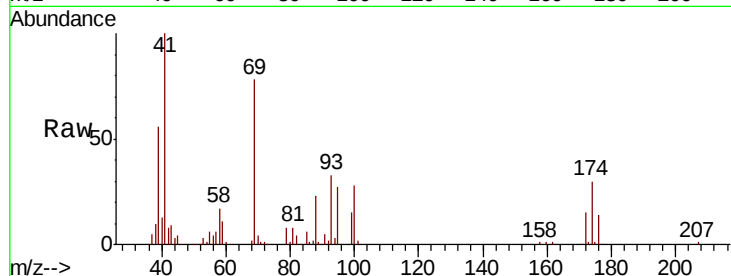




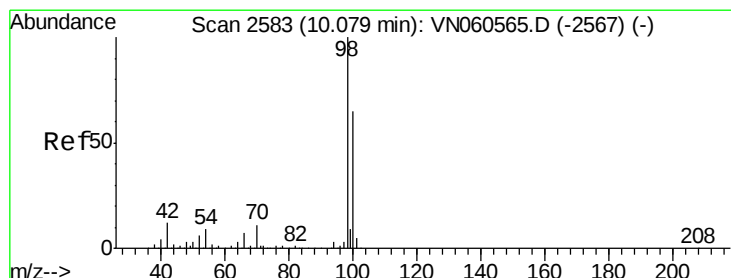
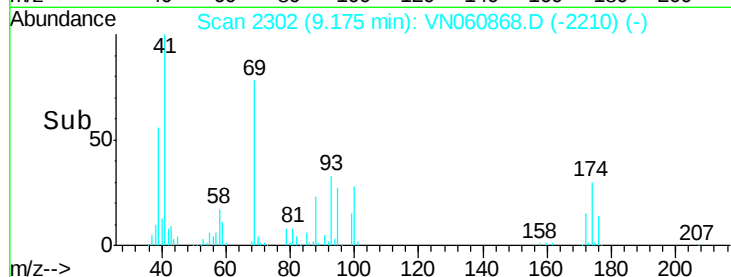
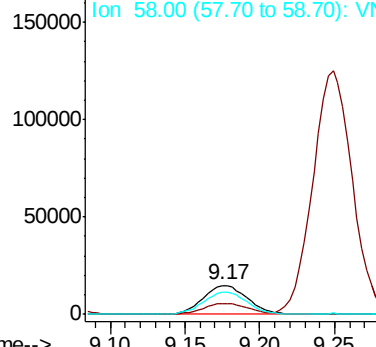
#49
1,4-Dioxane
Concen: 1047.144 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 30580
Ion Ratio Lower Upper
88 100
43 38.8 30.8 46.2
58 76.1 59.8 89.8

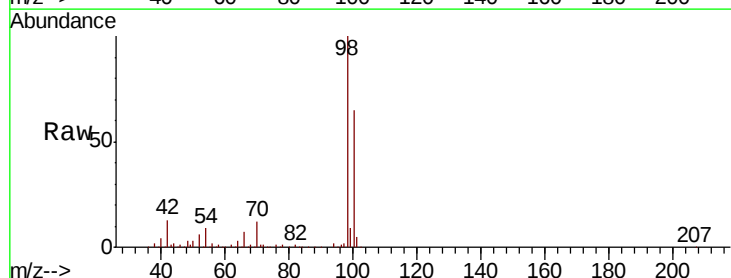


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

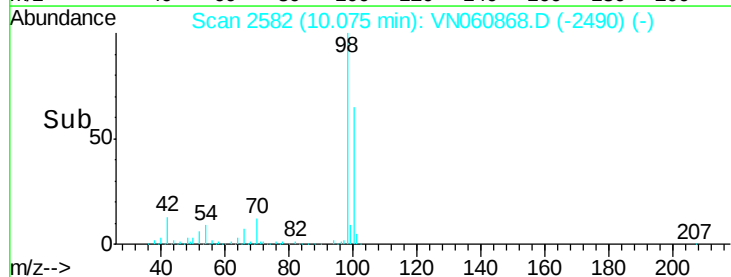
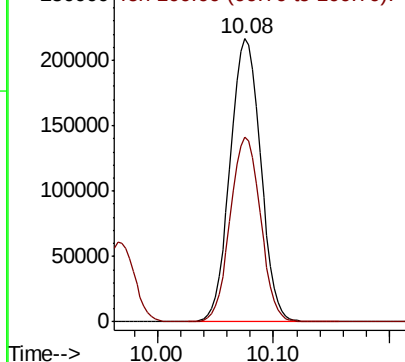


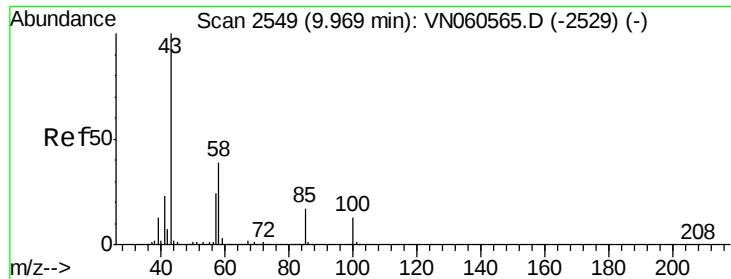
#50
Toluene-d8
Concen: 50.135 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 98 Resp: 396004
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 266.553 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

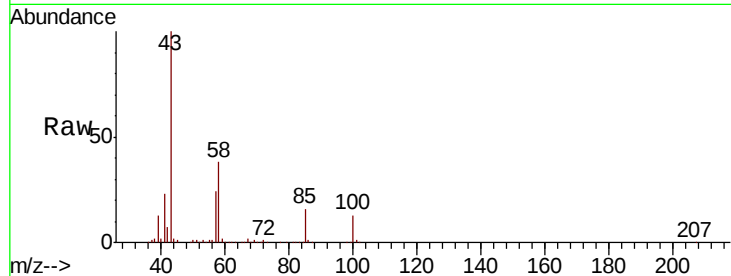
VSTDCCC050

Tot Ion: 43 Resp: 837019

Ion Ratio Lower Upper

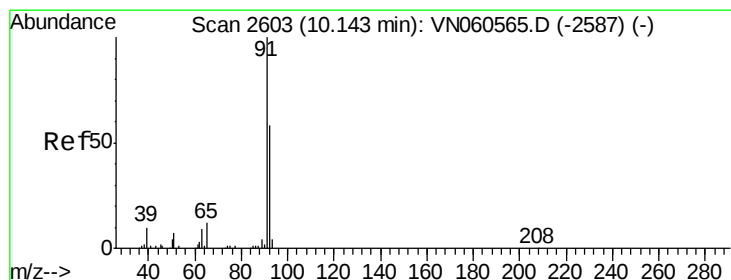
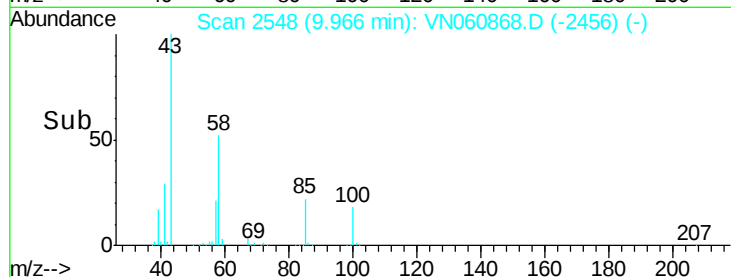
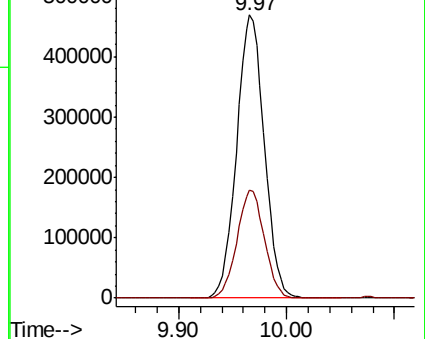
43 100

58 38.0 30.8 46.2



Abundance Ion 43.00 (42.70 to 43.70): VN060868.D (-2456) (-)

Ion 58.00 (57.70 to 58.70): VN060868.D (-2456) (-)



#52

Toluene

Concen: 51.027 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060868.D

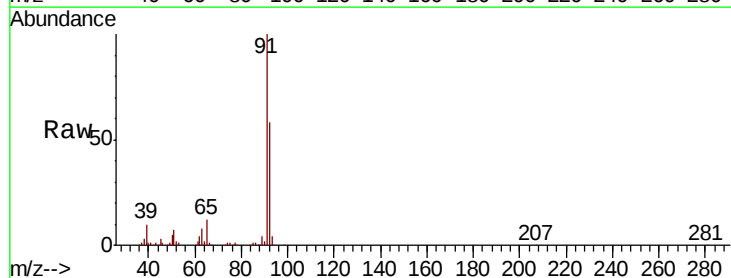
Acq: 7 Apr 2020 11:08

Tgt Ion: 92 Resp: 288082

Ion Ratio Lower Upper

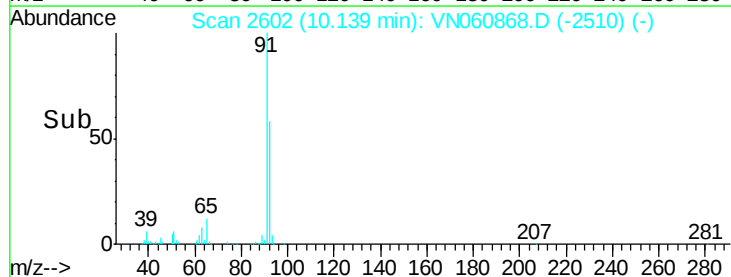
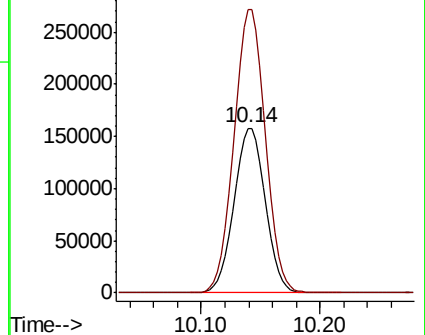
92 100

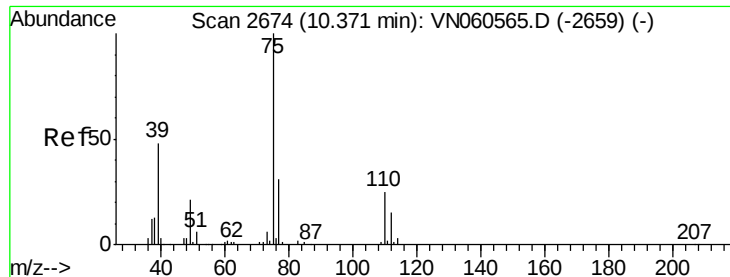
91 171.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060868.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060868.D (-2510) (-)





#53

t-1,3-Dichloropropene

Concen: 52.919 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

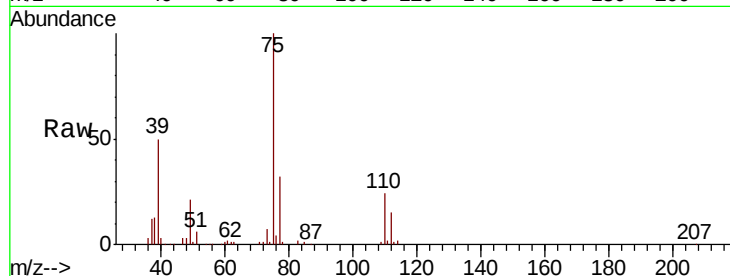
VSTDCCC050

Tot Ion: 75 Resp: 188368

Ion Ratio Lower Upper

75 100

77 31.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

120000

100000

80000

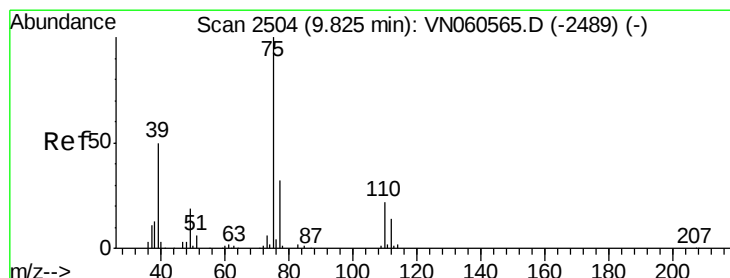
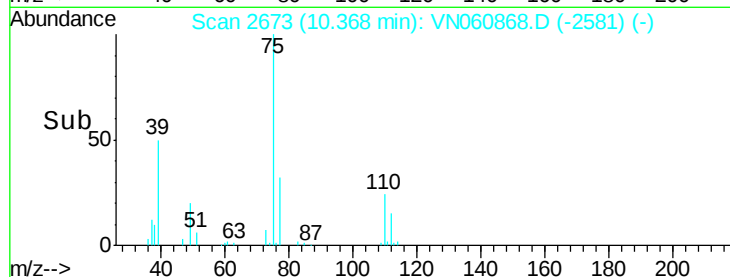
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.125 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

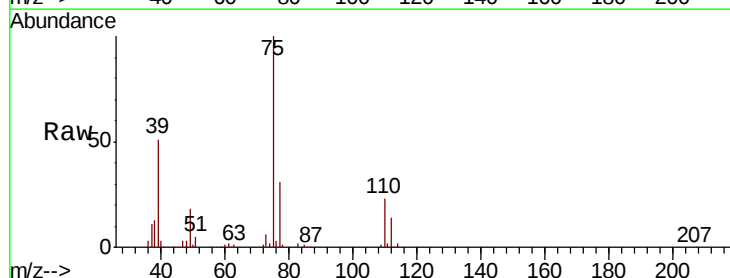
Tgt Ion: 75 Resp: 203550

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 50.8 40.2 60.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

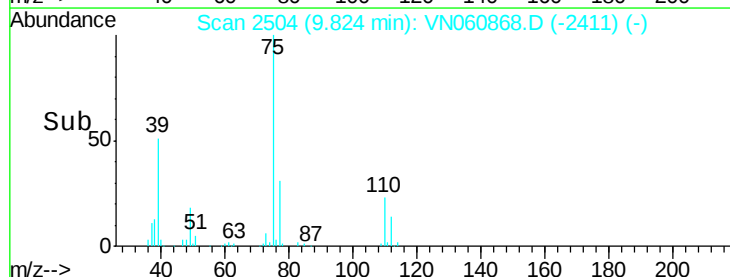
150000

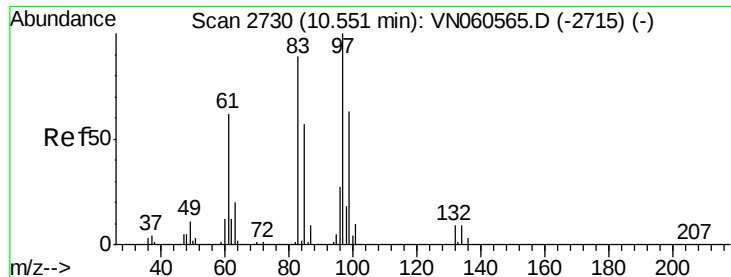
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.784 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 112474

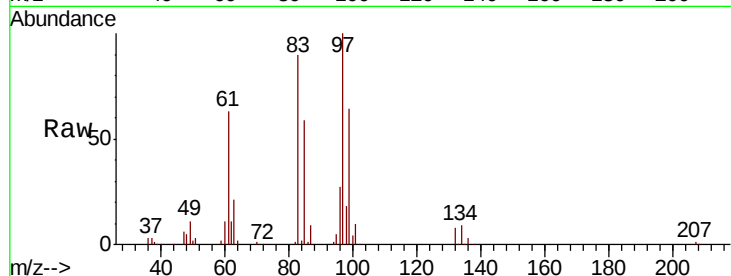
Ion Ratio Lower Upper

97 100

83 89.9 71.3 106.9

85 58.6 45.2 67.8

99 63.8 50.1 75.1

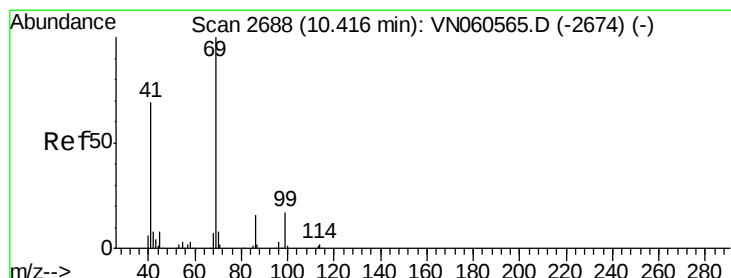
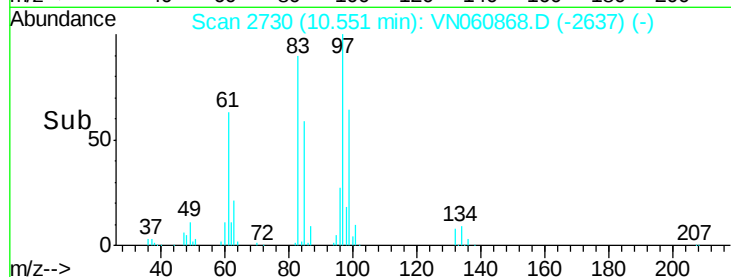
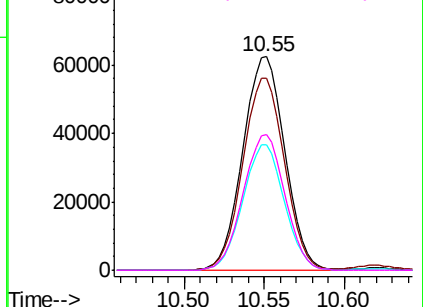


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.310 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

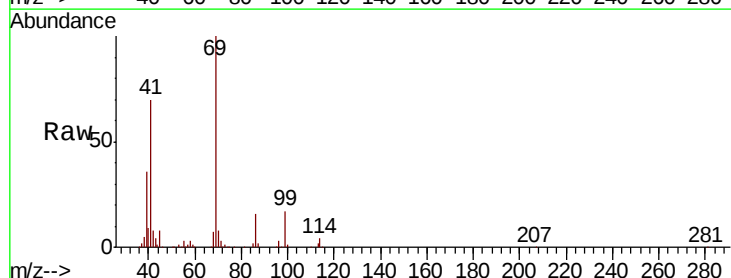
Tgt Ion: 69 Resp: 180540

Ion Ratio Lower Upper

69 100

41 70.1 55.4 83.2

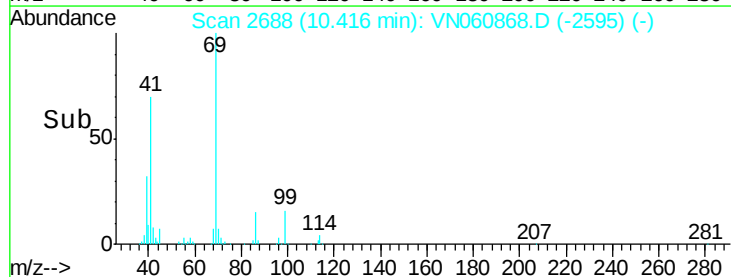
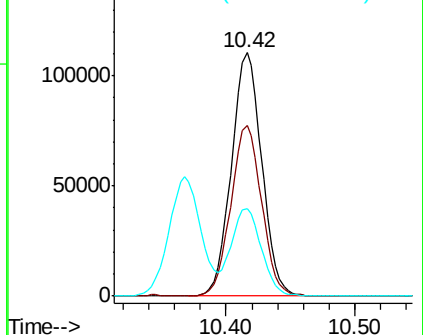
39 35.8 29.4 44.0

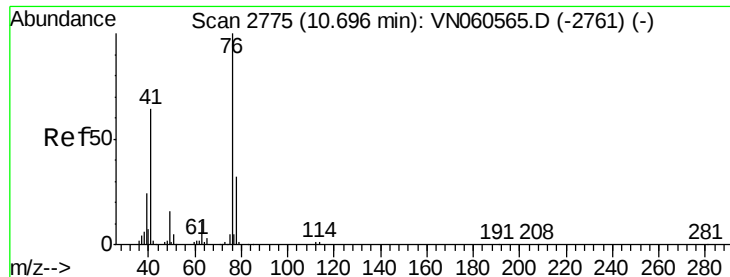


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.005 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

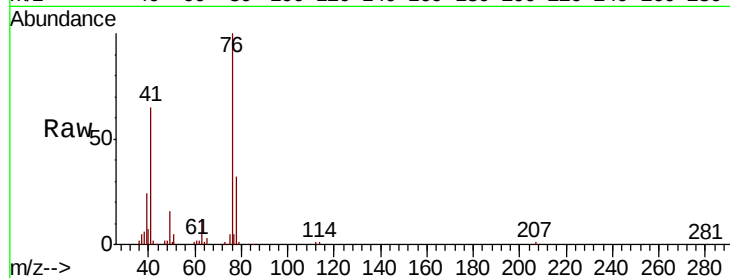
VSTDCCC050

Tot Ion: 76 Resp: 196008

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN060868.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060868.D (-2682) (-)

10.70

120000

100000

80000

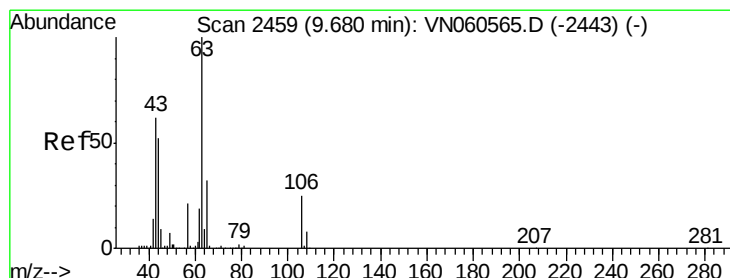
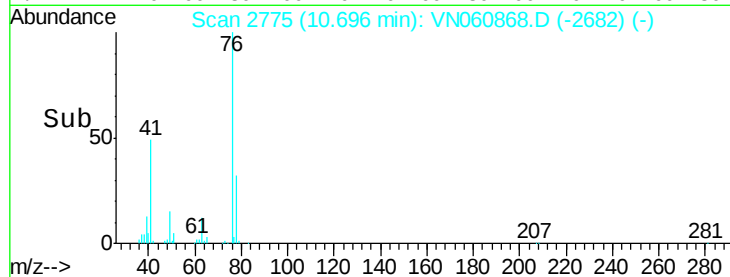
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 254.391 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060868.D

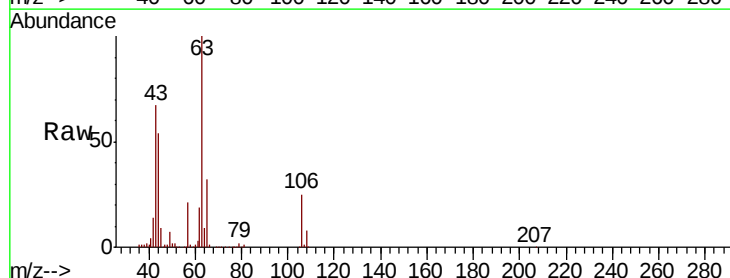
Acq: 7 Apr 2020 11:08

Tgt Ion: 63 Resp: 428187

Ion Ratio Lower Upper

63 100

106 24.8 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN060868.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060868.D (-2366) (-)

9.68

250000

200000

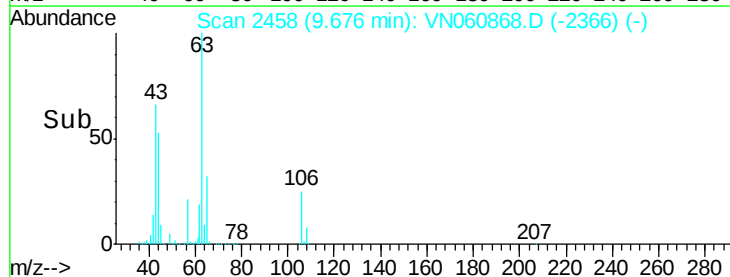
150000

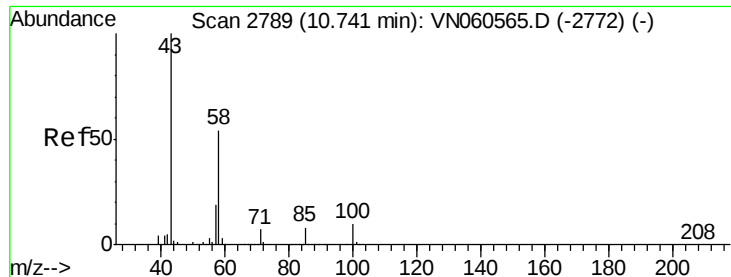
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

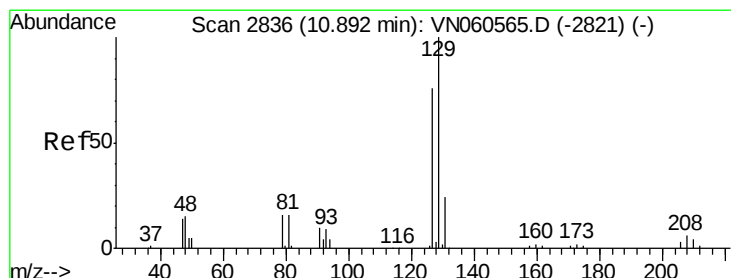
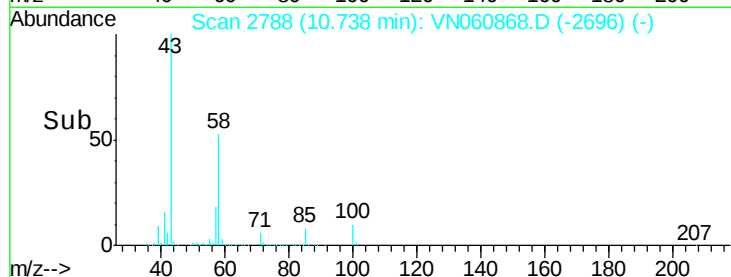
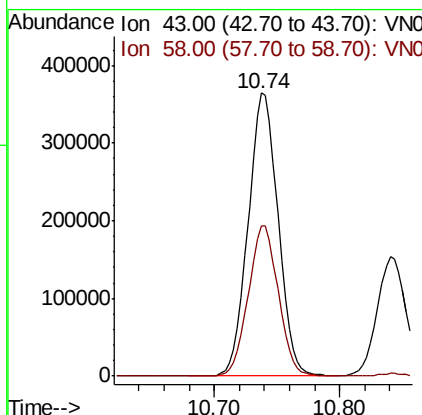
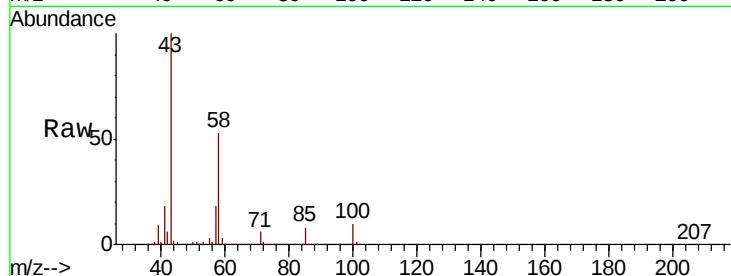




#59
2-Hexanone
Concen: 268.261 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

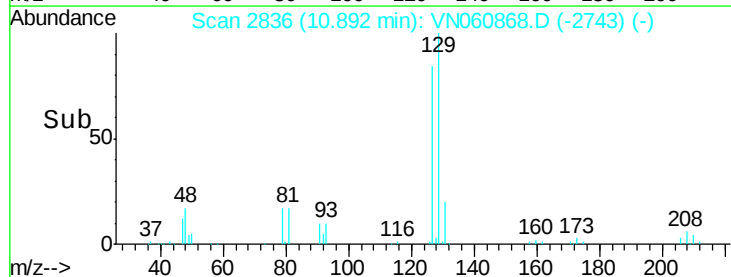
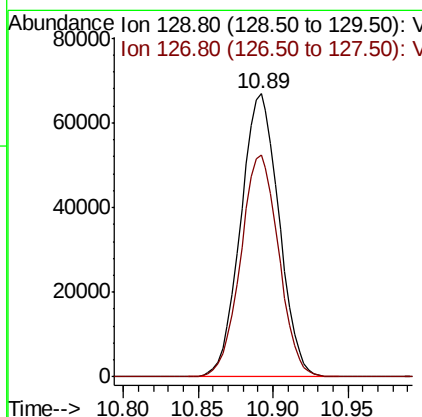
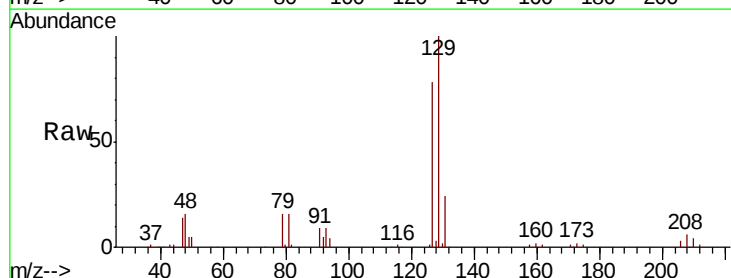
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

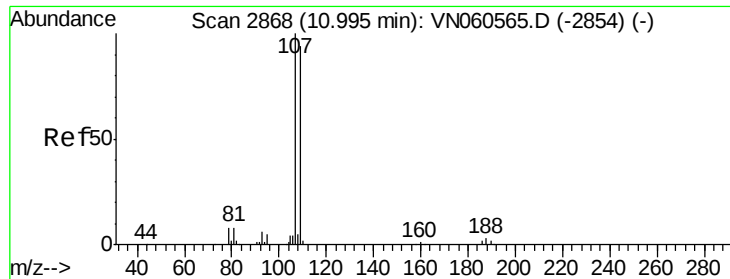
Tot Ion: 43 Resp: 606813
Ion Ratio Lower Upper
43 100
58 53.3 26.7 80.1



#60
Dibromochloromethane
Concen: 53.163 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 129 Resp: 119273
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5

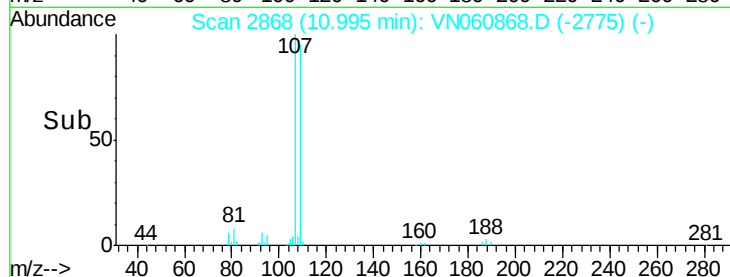
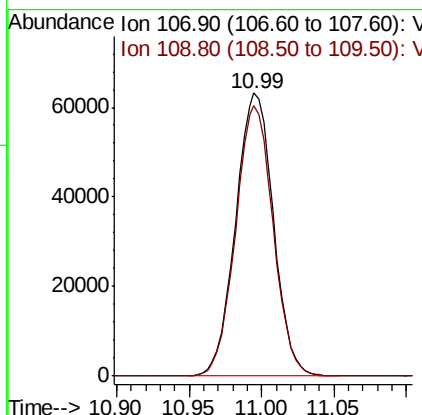
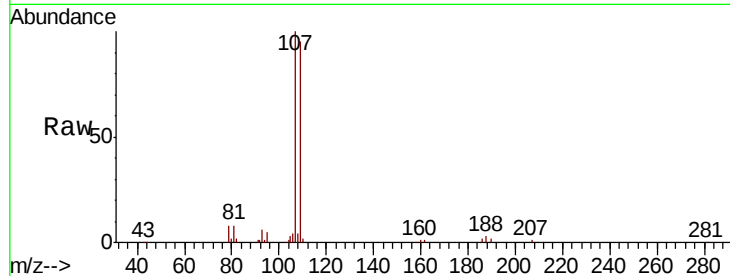




#61
 1,2-Dibromoethane
 Concen: 52.258 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

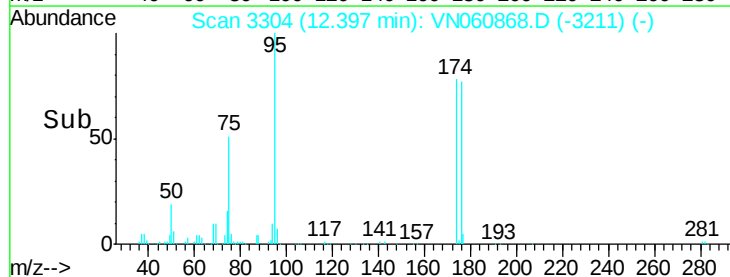
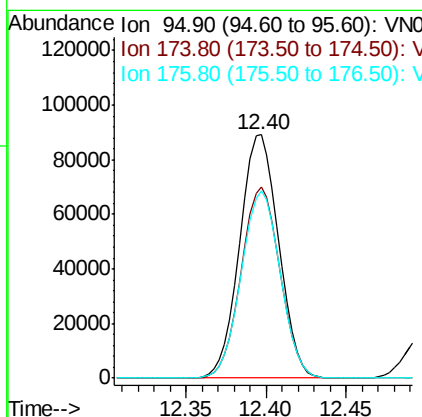
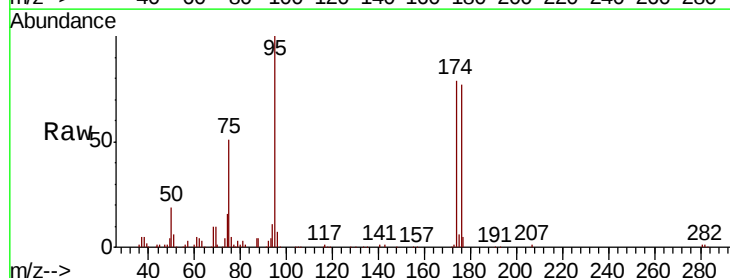
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 114133
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.082 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion: 95 Resp: 147870
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 157.6
 176 77.1 0.0 150.6

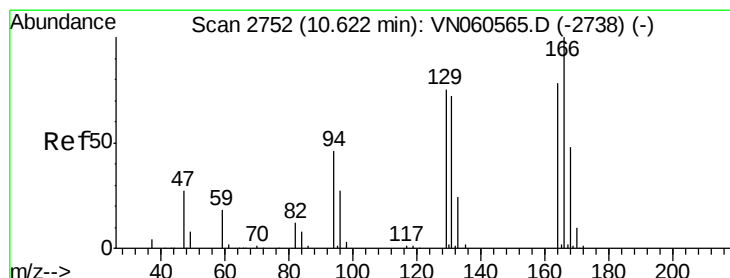
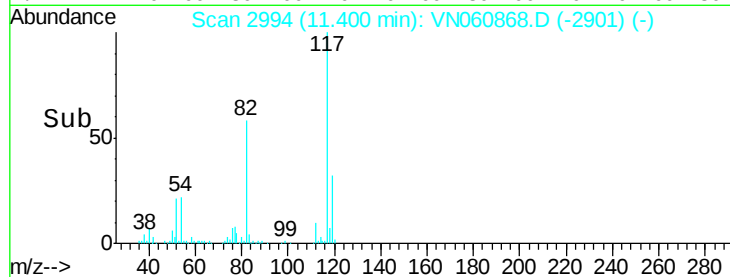
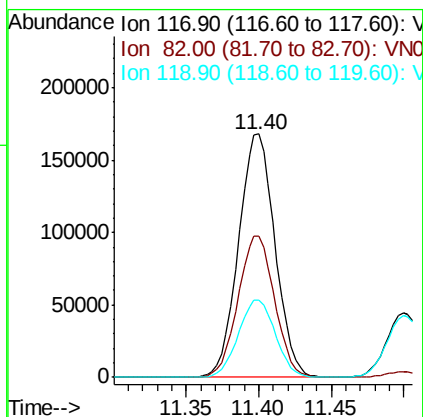
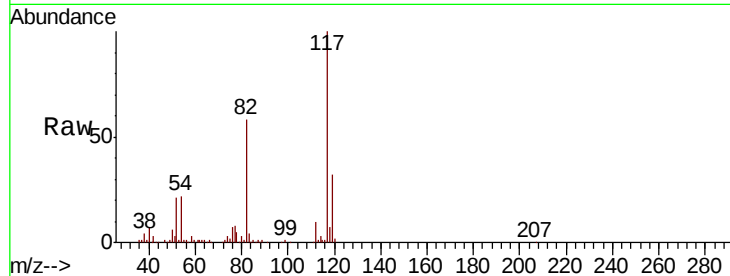




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

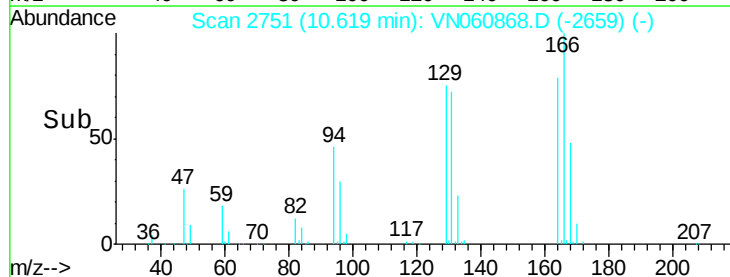
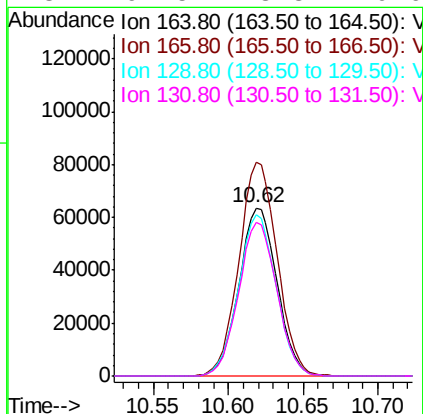
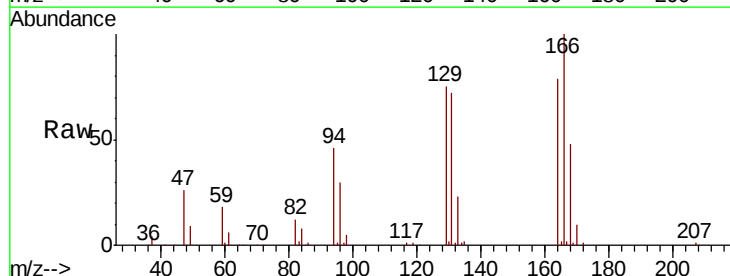
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 293140
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 48.853 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion:164 Resp: 112692
Ion Ratio Lower Upper
164 100
166 127.1 102.7 154.1
129 95.7 77.2 115.8
131 91.5 73.8 110.6

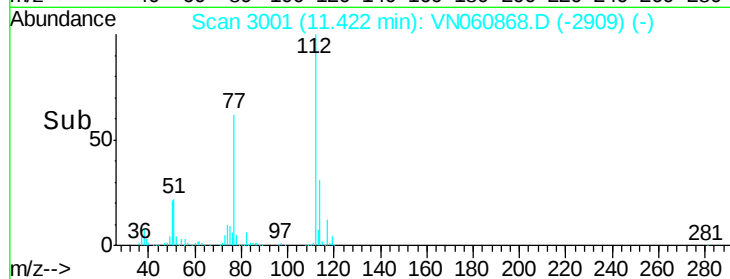
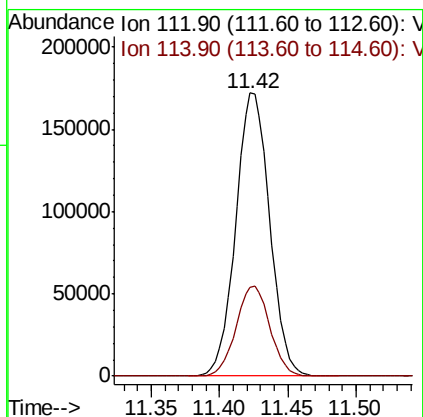
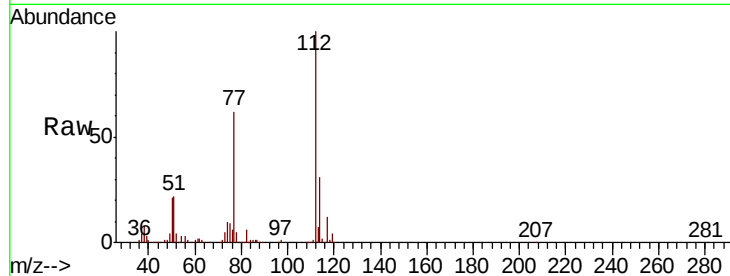




#65
Chlorobenzene
Concen: 51.036 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

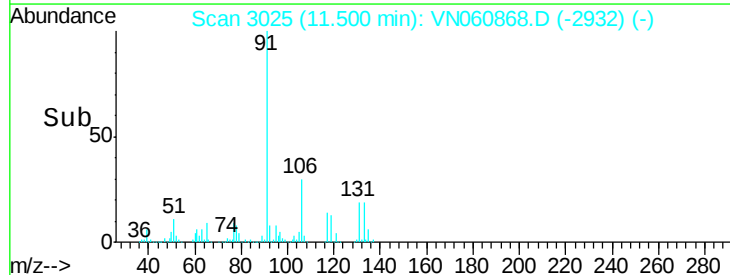
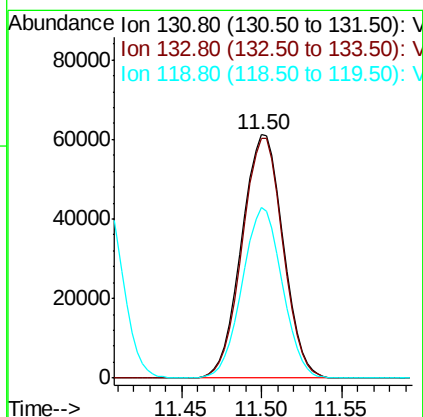
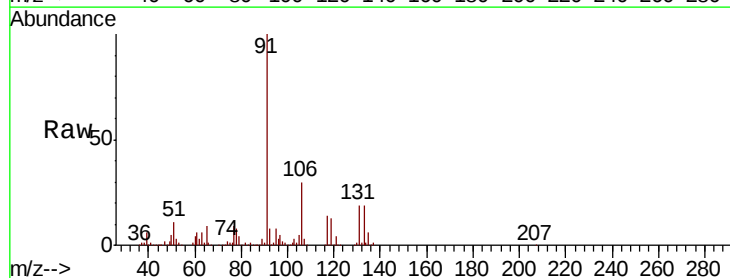
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 296579
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.741 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion:131 Resp: 108866
Ion Ratio Lower Upper
131 100
133 96.4 48.9 146.8
119 67.5 33.9 101.7





#67

Ethyl Benzene

Concen: 51.592 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

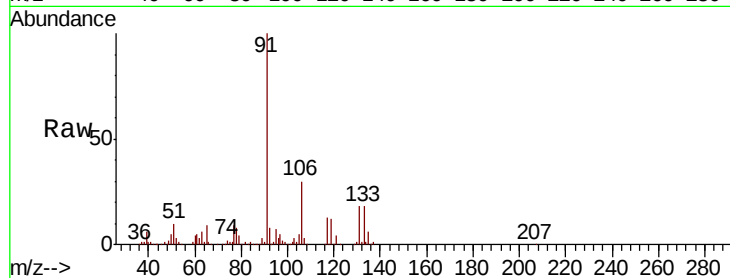
VSTDCCC050

Tot Ion: 91 Resp: 557551

Ion Ratio Lower Upper

91 100

106 30.5 24.2 36.2



Abundance Ion 91.00 (90.70 to 91.70): VN060868.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060868.D (-2933) (-)

500000

400000

300000

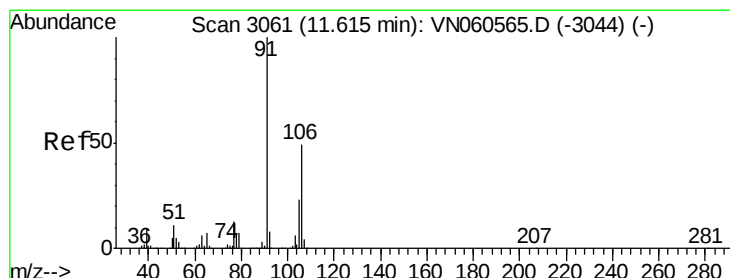
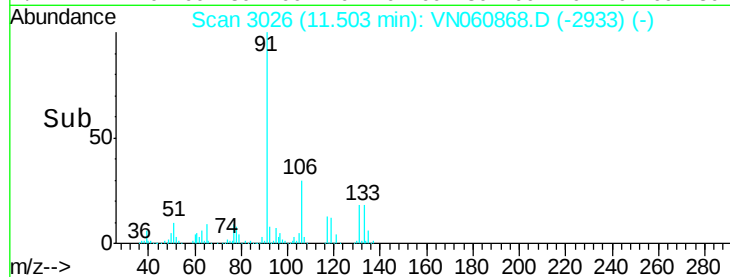
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 102.857 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060868.D

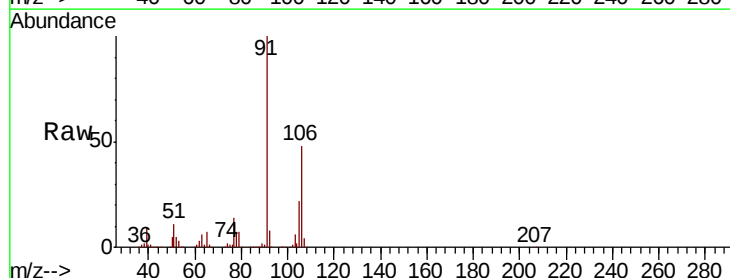
Acq: 7 Apr 2020 11:08

Tgt Ion: 106 Resp: 413062

Ion Ratio Lower Upper

106 100

91 207.0 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060868.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060868.D (-2968) (-)

500000

400000

300000

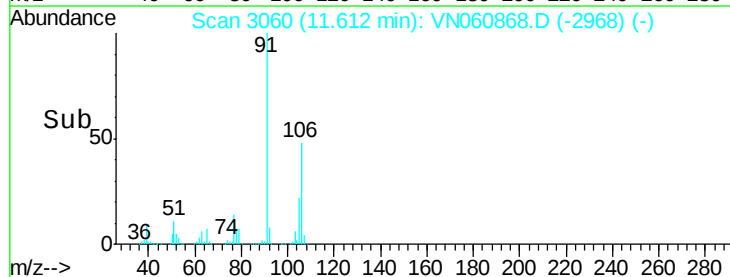
200000

100000

0

11.60 11.61 11.70

Time-->

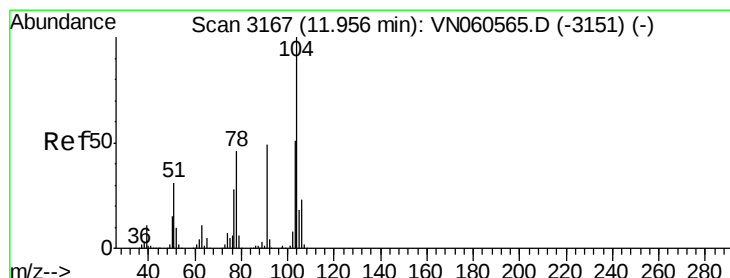
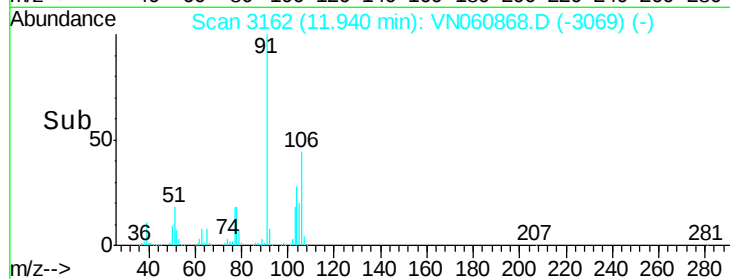
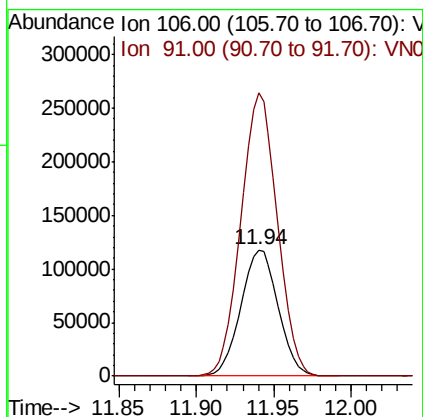
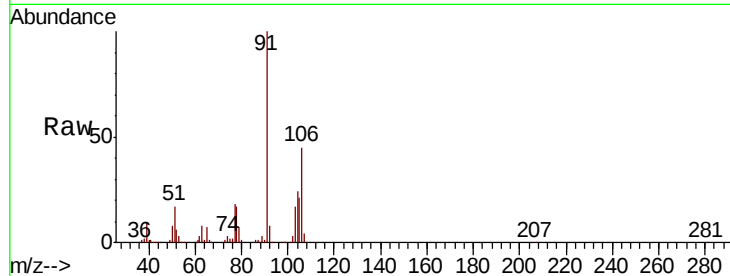




#69
o-Xylene
Concen: 51.223 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

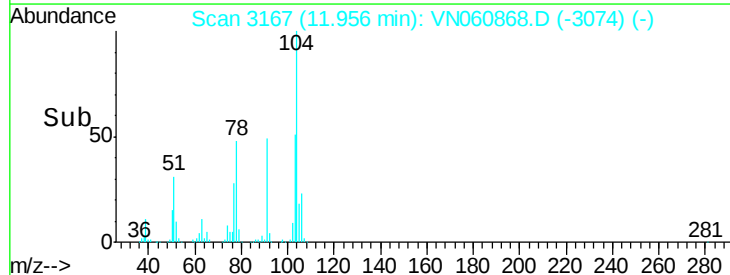
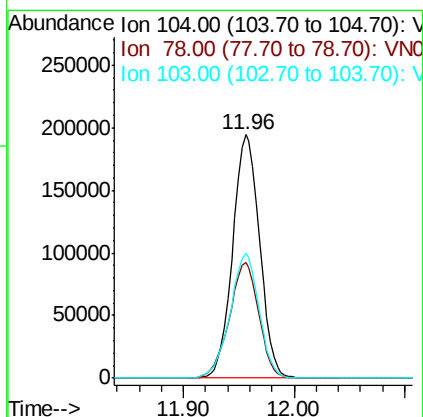
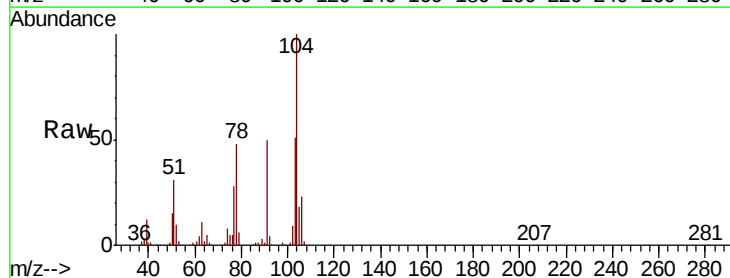
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

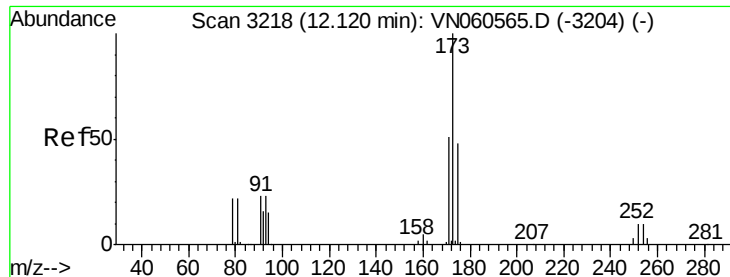
Tot Ion:106 Resp: 196371
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4



#70
Styrene
Concen: 52.572 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion:104 Resp: 329621
Ion Ratio Lower Upper
104 100
78 51.7 41.2 61.8
103 54.9 44.0 66.0





#71

Bromoform

Concen: 49.156 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

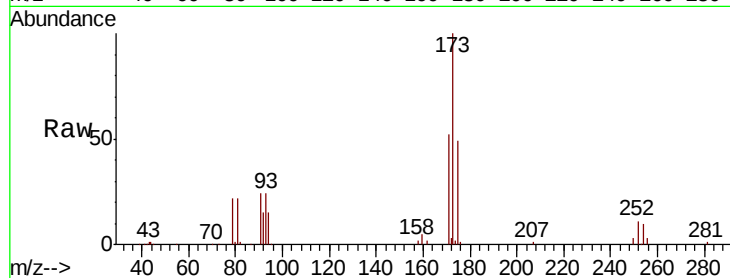
Tot Ion:173 Resp: 85909

Ion Ratio Lower Upper

173 100

175 48.2 24.1 72.4

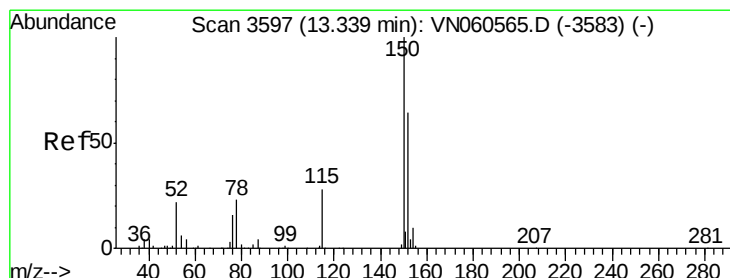
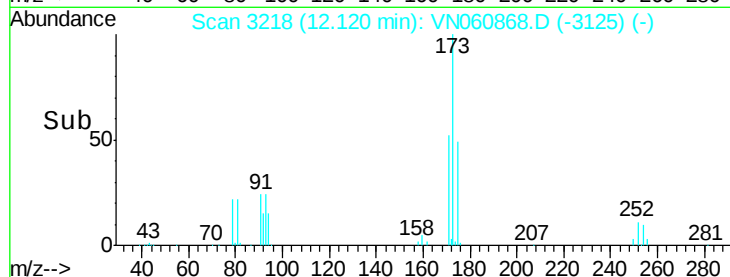
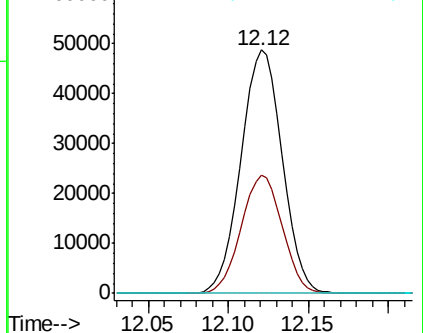
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

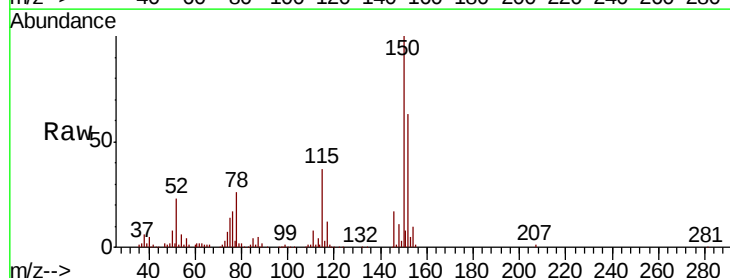
Tgt Ion:152 Resp: 144294

Ion Ratio Lower Upper

152 100

115 59.5 30.2 90.6

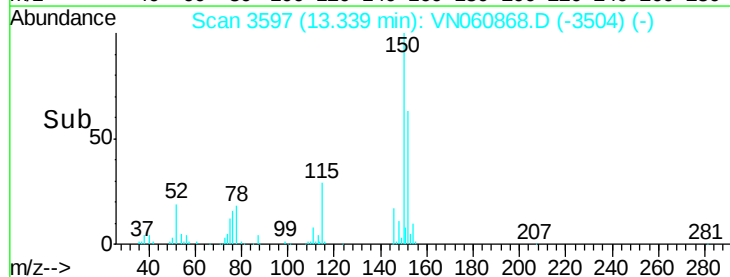
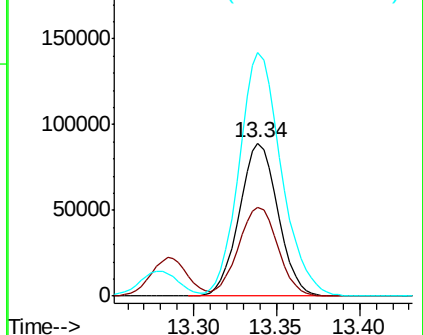
150 173.7 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.521 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

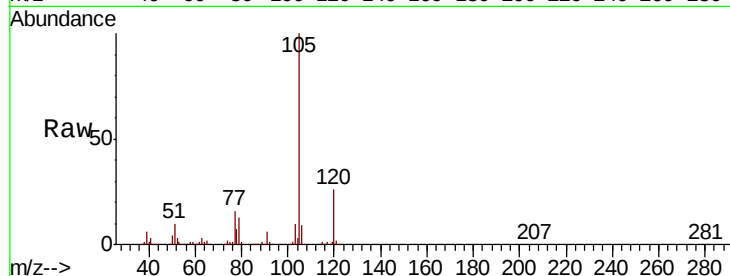
VSTDCCC050

Tot Ion:105 Resp: 536246

Ion Ratio Lower Upper

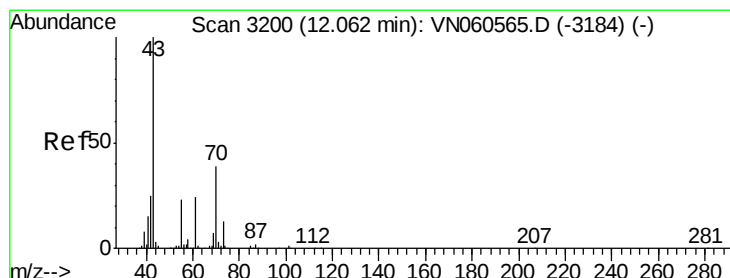
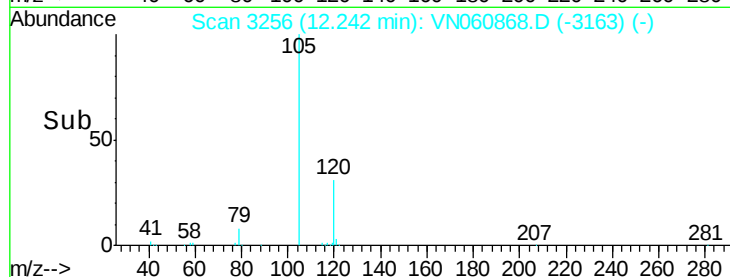
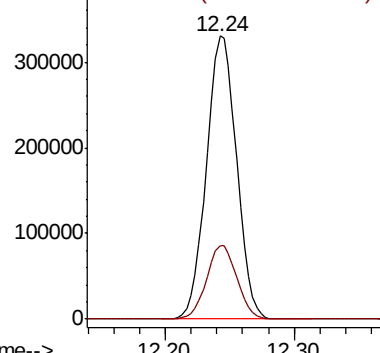
105 100

120 26.1 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.316 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Tgt Ion: 43 Resp: 246770

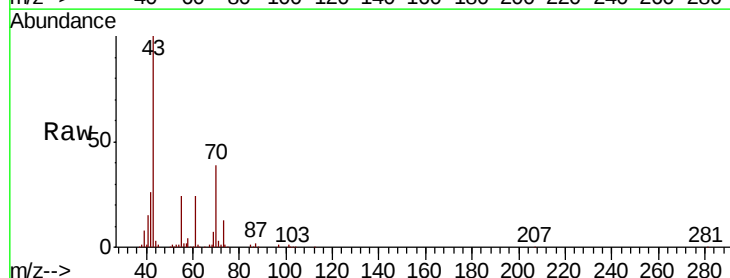
Ion Ratio Lower Upper

43 100

70 38.6 31.1 46.7

55 23.8 18.6 27.8

61 23.6 18.9 28.3

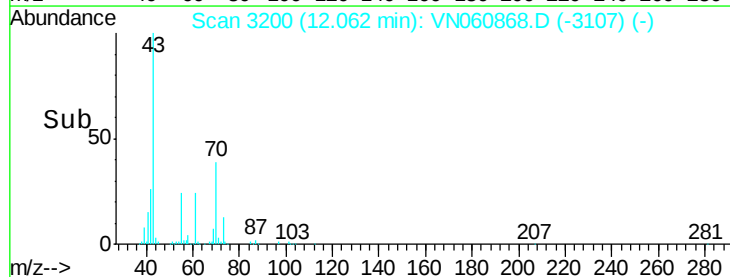
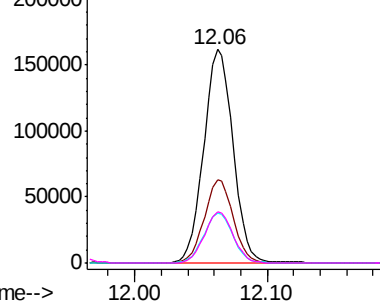


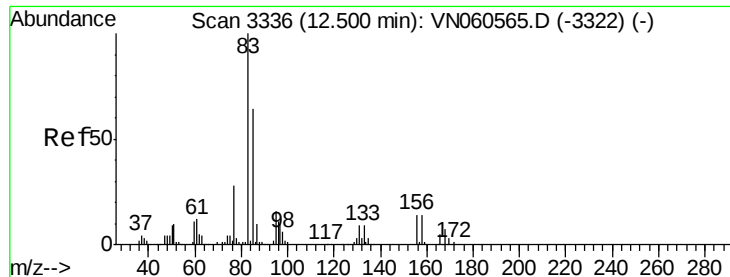
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.220 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

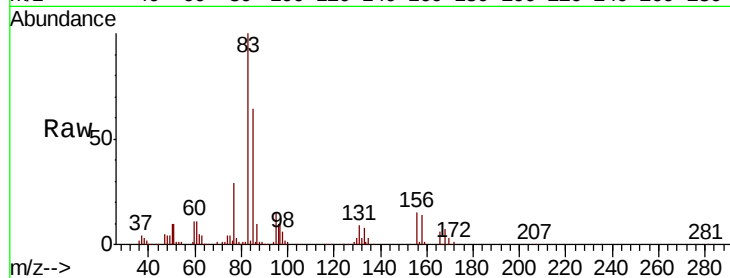
Tot Ion: 83 Resp: 164455

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.7

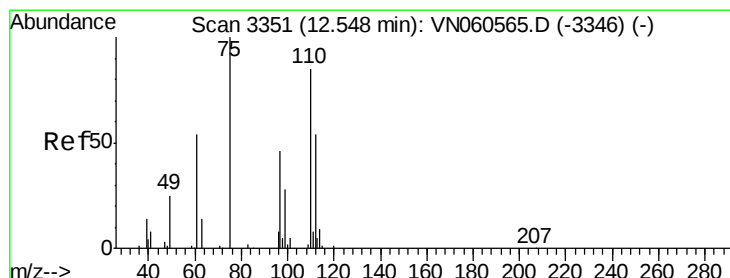
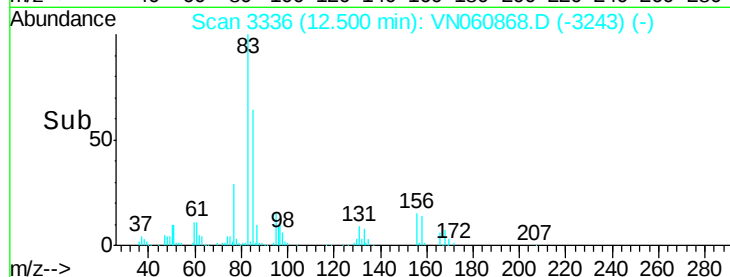
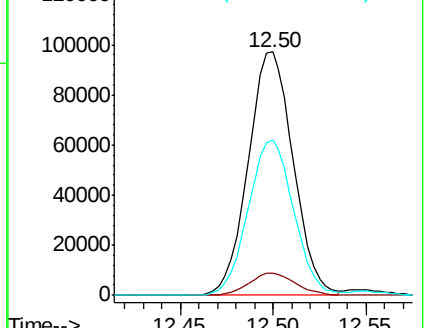
85 64.3 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 72.182 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060868.D

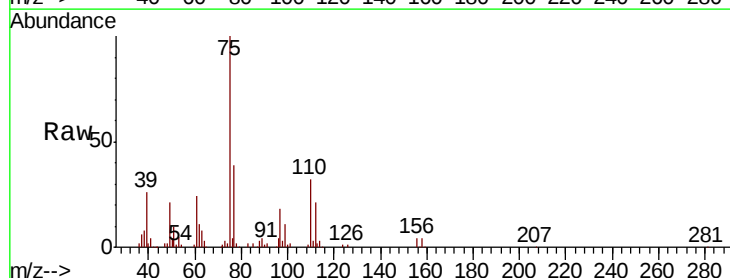
Acq: 7 Apr 2020 11:08

Tgt Ion: 75 Resp: 224743

Ion Ratio Lower Upper

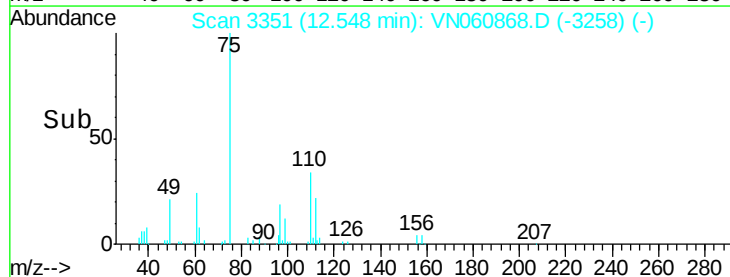
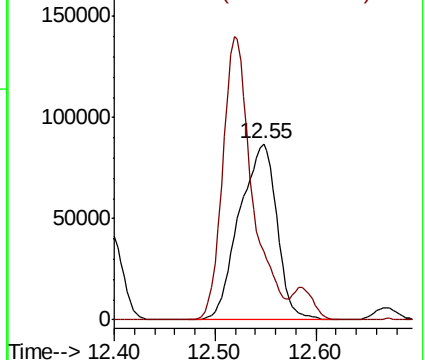
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.440 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

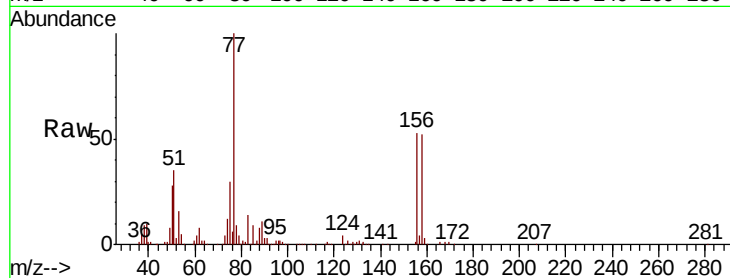
Tot Ion:156 Resp: 126397

Ion Ratio Lower Upper

156 100

77 226.8 112.3 337.0

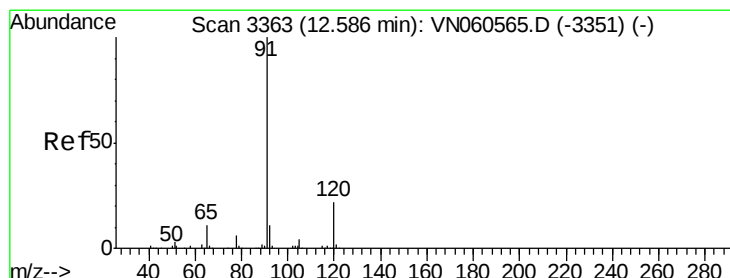
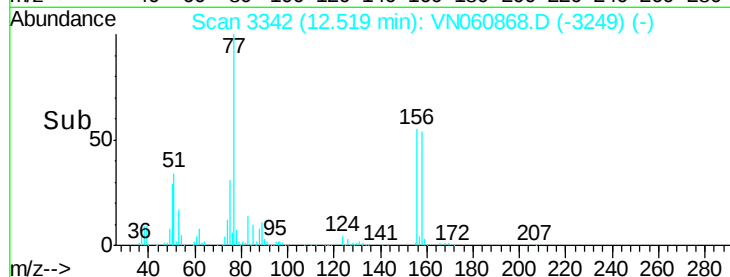
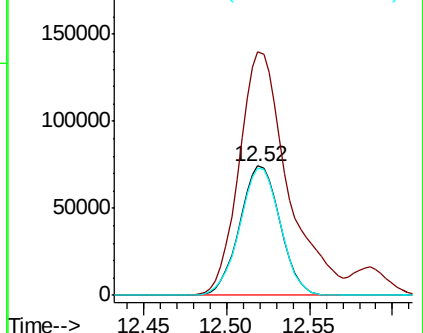
158 98.6 48.6 145.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.210 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060868.D

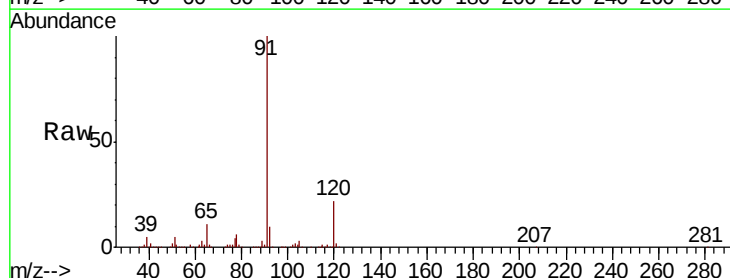
Acq: 7 Apr 2020 11:08

Tgt Ion: 91 Resp: 642352

Ion Ratio Lower Upper

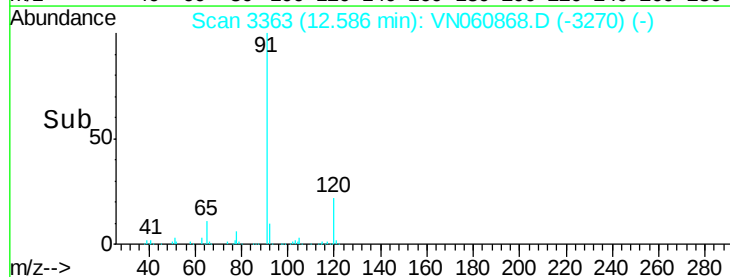
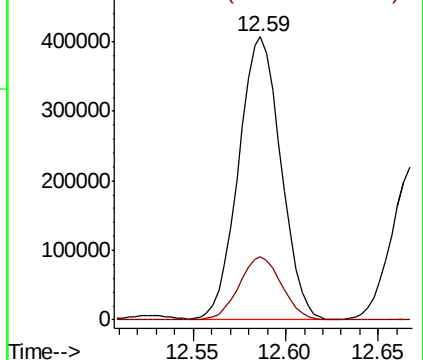
91 100

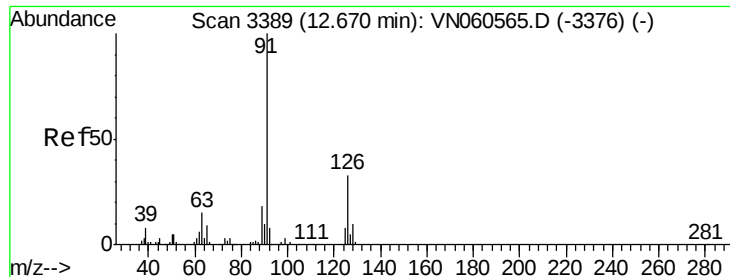
120 22.3 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

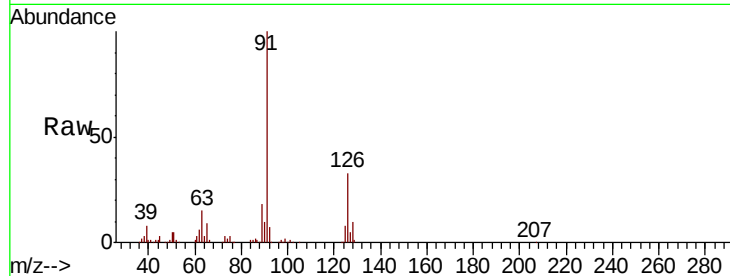




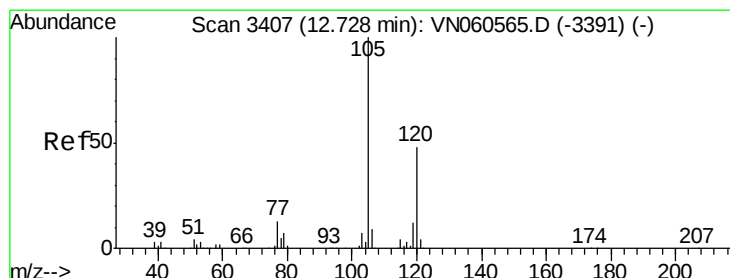
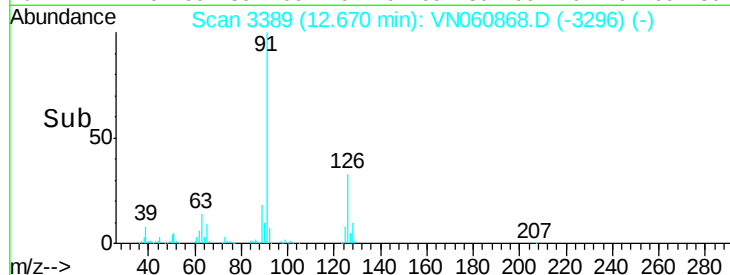
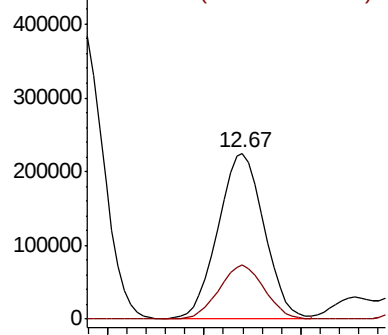
#79
 2-Chlorotoluene
 Concen: 48.672 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 372053
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.1

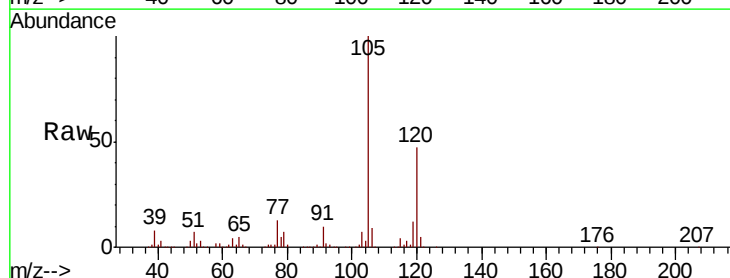


Abundance Ion 91.00 (90.70 to 91.70): VN060868.D (-3296) (-)
 Ion 125.90 (125.60 to 126.60): VN060868.D (-3296) (-)

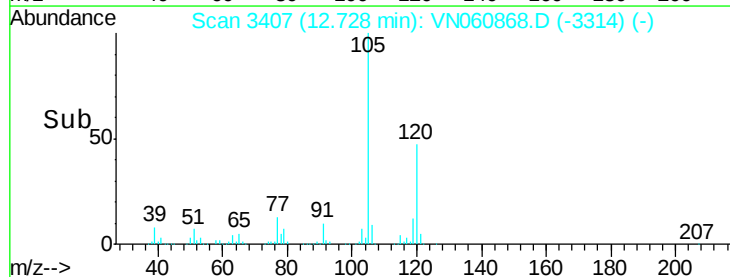
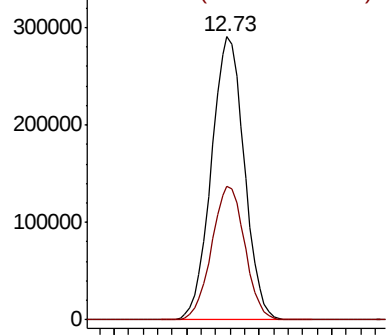


#80
 1,3,5-Trimethylbenzene
 Concen: 49.700 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion: 105 Resp: 456722
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060868.D (-3314) (-)
 Ion 120.00 (119.70 to 120.70): VN060868.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.296 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

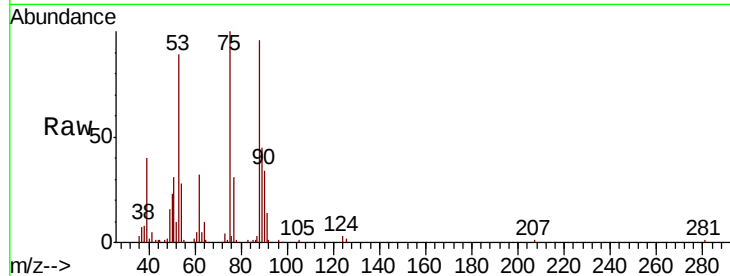
Tot Ion: 75 Resp: 60974

Ion Ratio Lower Upper

75 100

53 89.5 73.0 109.4

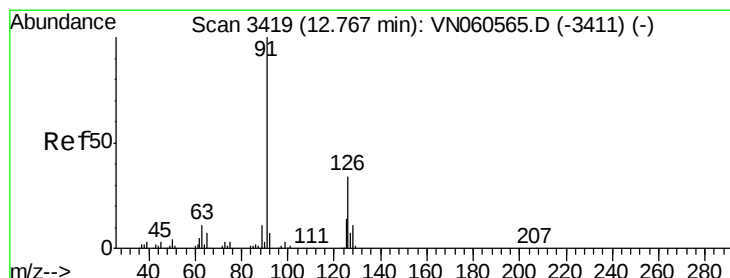
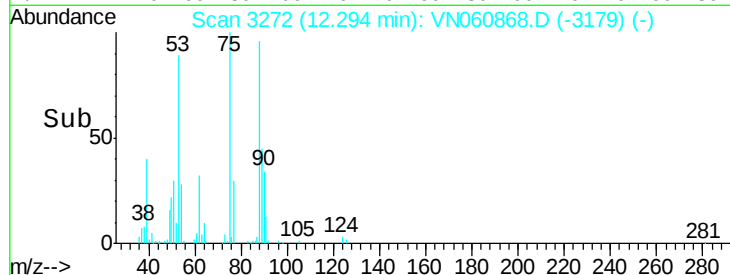
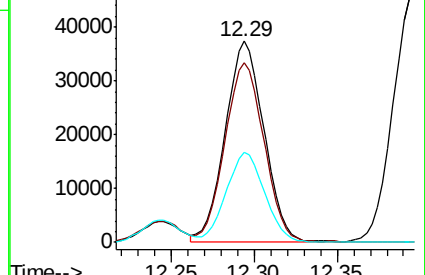
89 44.3 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN060868.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060868.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060868.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 49.569 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060868.D

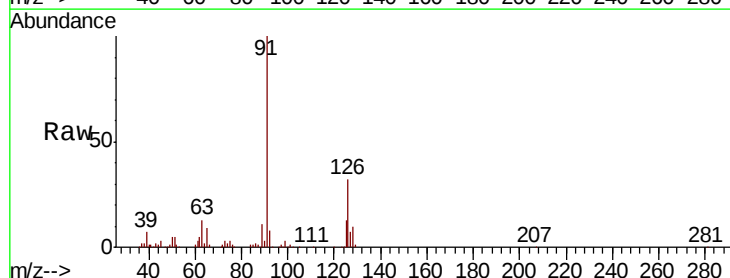
Acq: 7 Apr 2020 11:08

Tgt Ion: 91 Resp: 385914

Ion Ratio Lower Upper

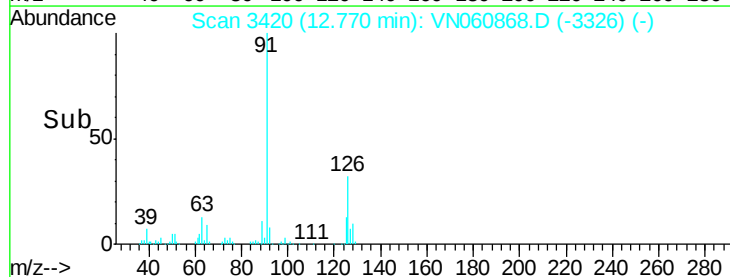
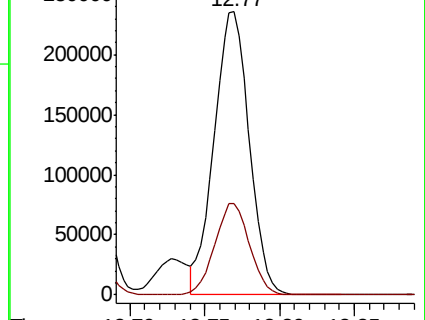
91 100

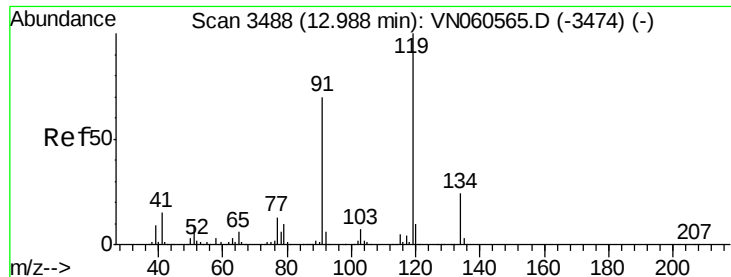
126 32.0 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN060868.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN060868.D (-3326) (-)

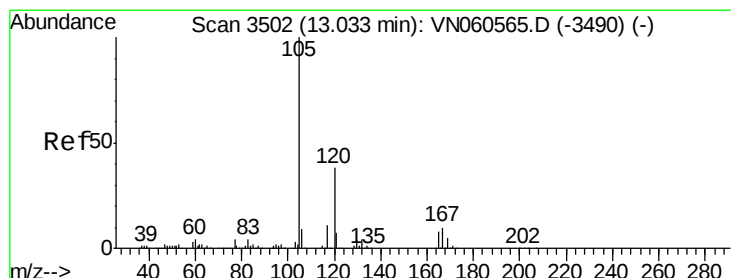
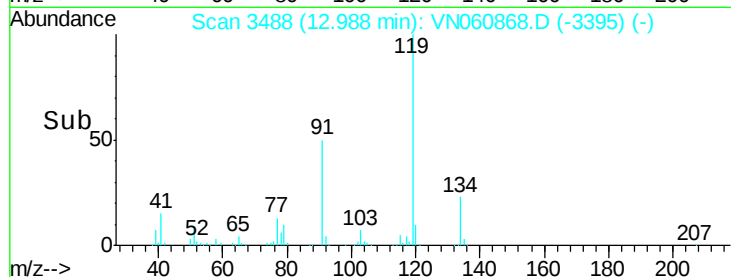
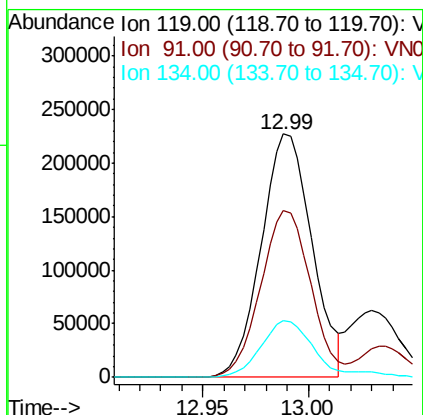
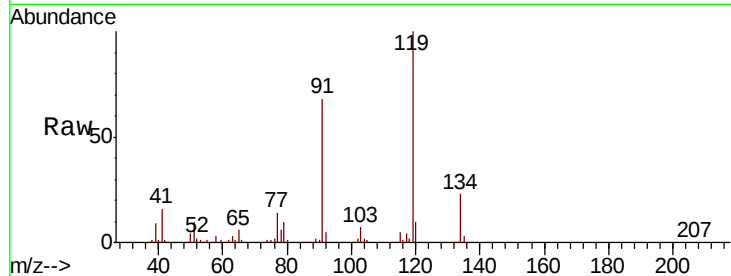




#83
 tert-Butylbenzene
 Concen: 49.986 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

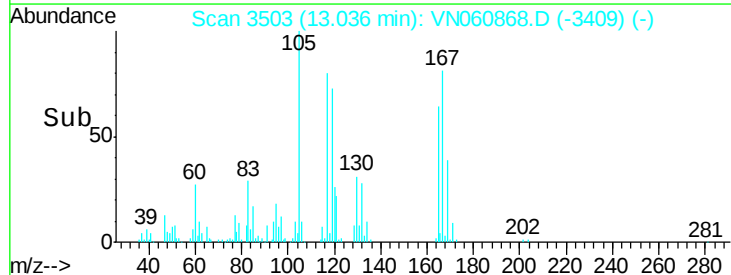
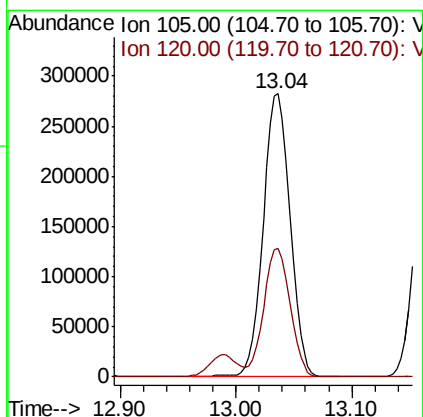
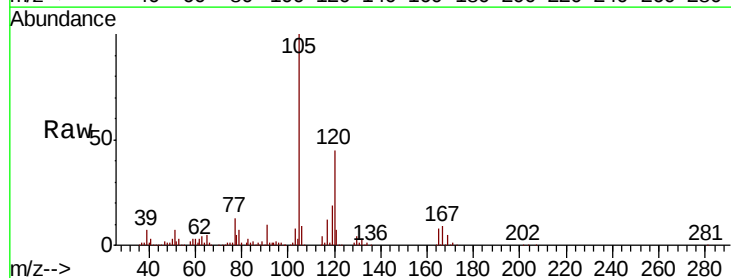
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

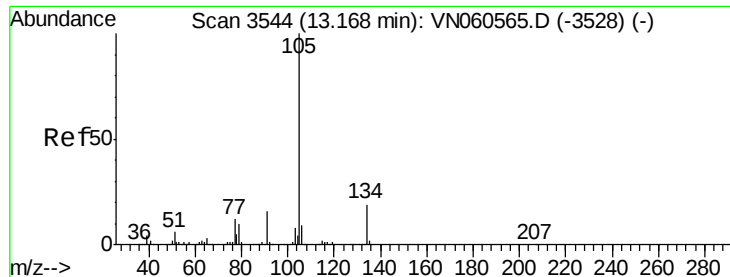
Tot Ion:119 Resp: 380788
 Ion Ratio Lower Upper
 119 100
 91 67.6 34.0 101.8
 134 24.9 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.141 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion:105 Resp: 455840
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5

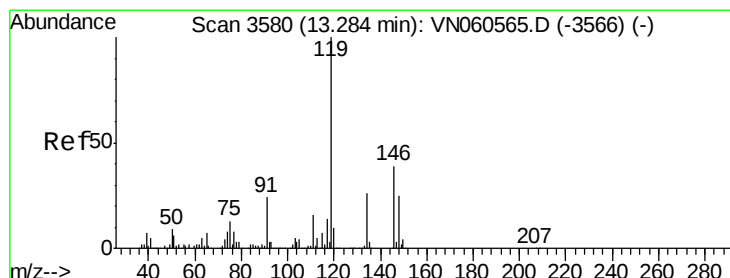
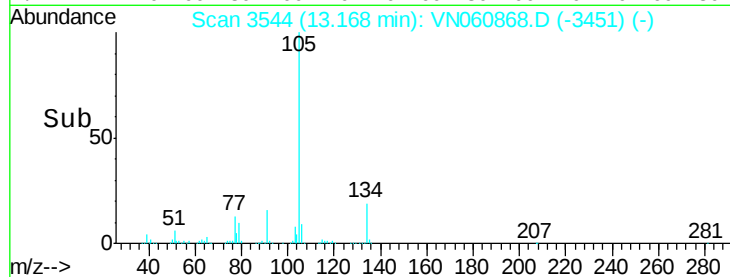
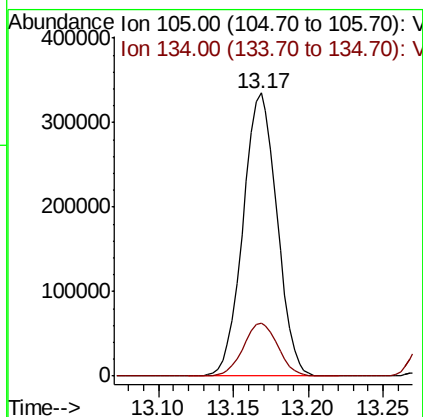
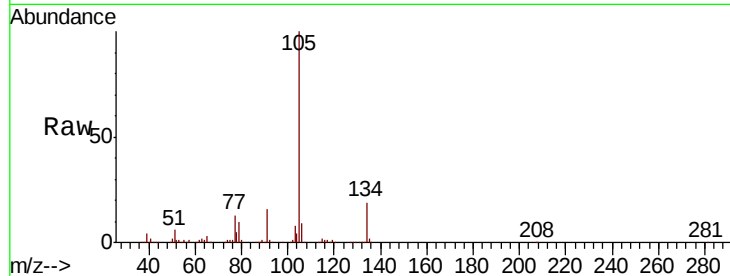




#85
 sec-Butylbenzene
 Concen: 51.647 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

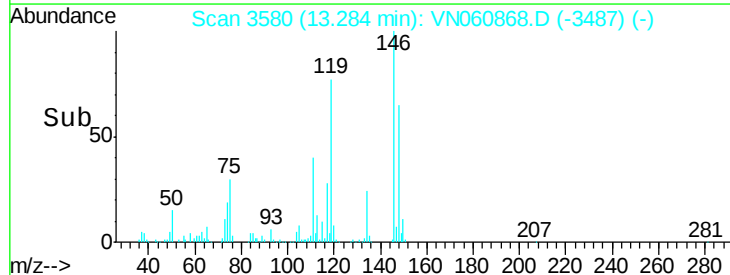
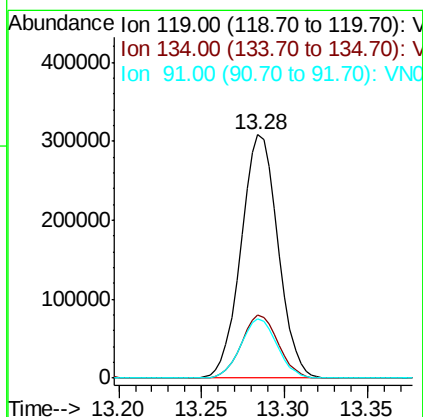
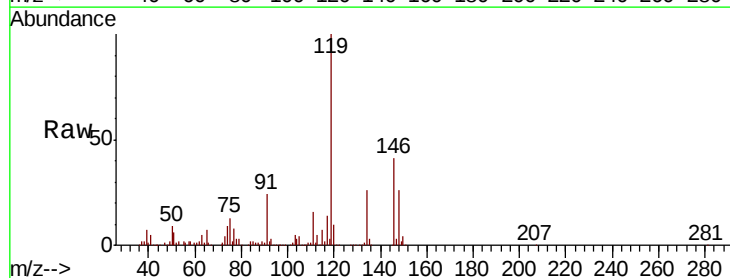
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

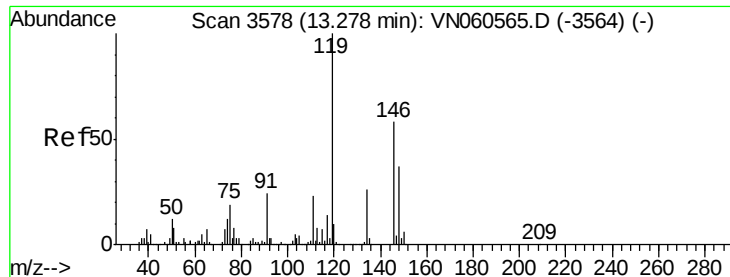
Tot Ion:105 Resp: 529062
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 51.612 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion:119 Resp: 475425
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 39.0
 91 24.2 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 50.594 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

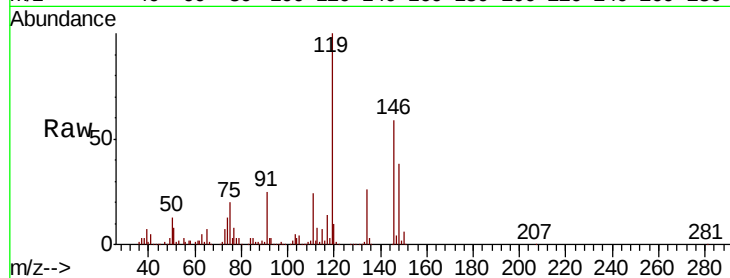
Tot Ion:146 Resp: 232838

Ion Ratio Lower Upper

146 100

111 40.6 20.3 60.8

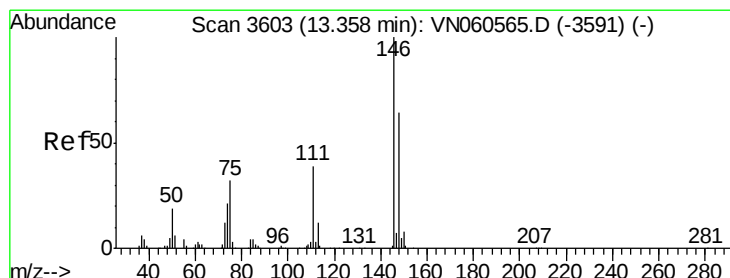
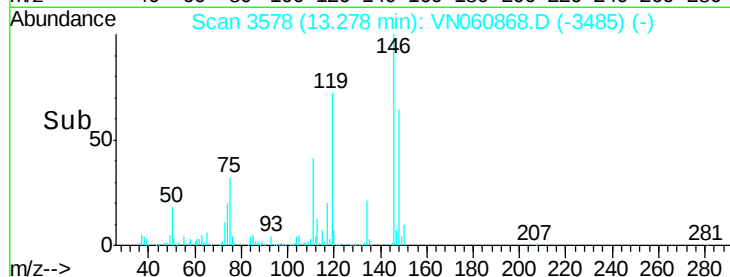
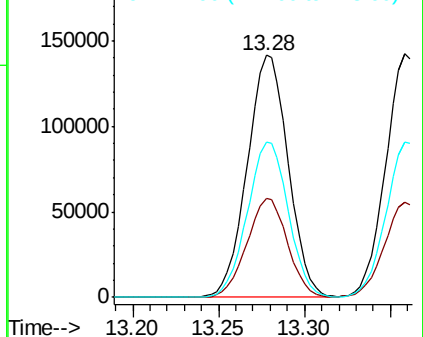
148 64.2 32.5 97.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.262 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

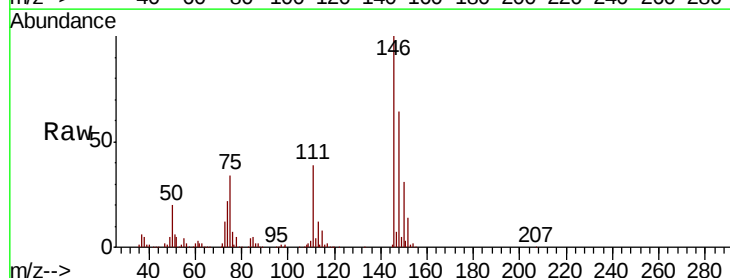
Tgt Ion:146 Resp: 232396

Ion Ratio Lower Upper

146 100

111 40.2 19.6 58.7

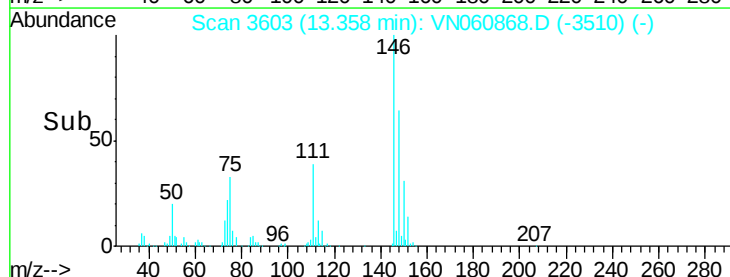
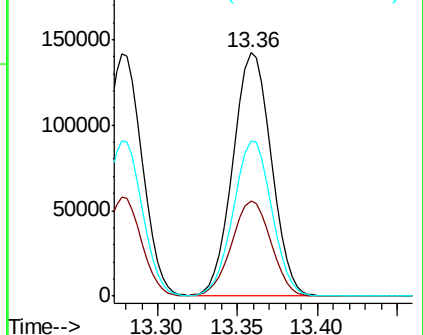
148 64.1 32.1 96.3

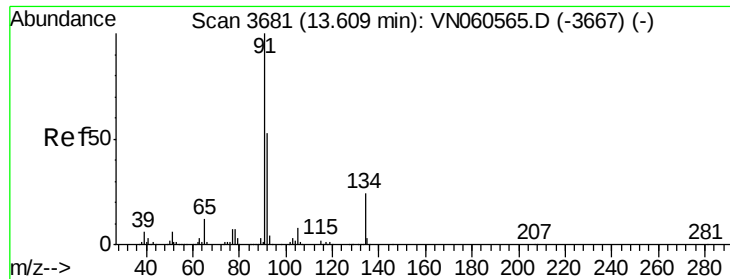


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

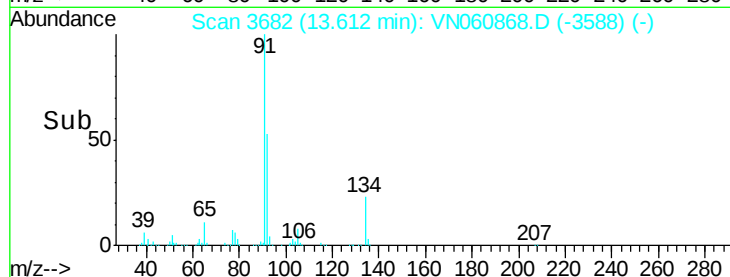
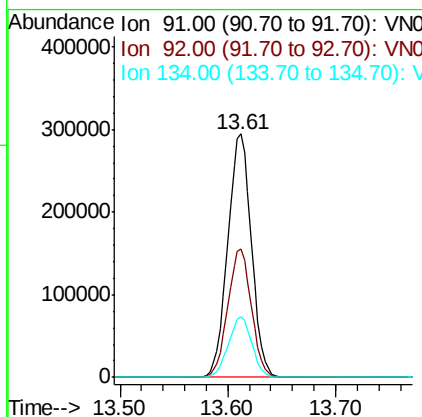
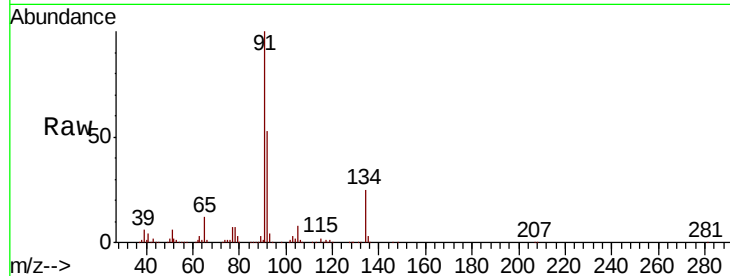




#89
n-Butylbenzene
Concen: 54.152 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

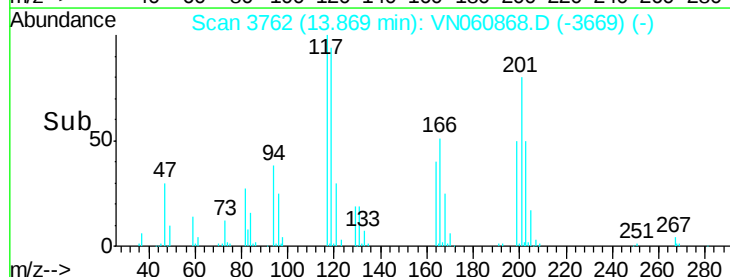
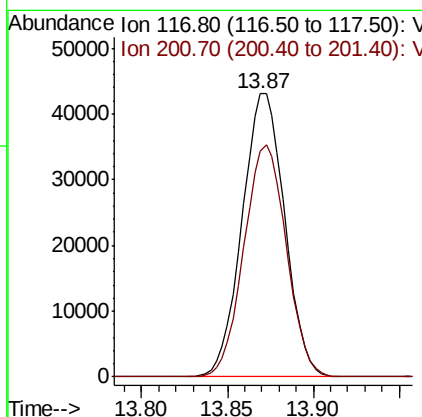
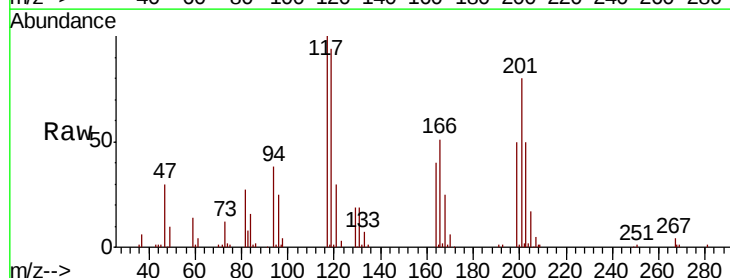
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 450355
Ion Ratio Lower Upper
91 100
92 52.5 26.2 78.5
134 24.6 12.3 36.9



#90
Hexachloroethane
Concen: 55.259 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion: 117 Resp: 73990
Ion Ratio Lower Upper
117 100
201 81.6 40.8 122.5





#91

1,2-Dichlorobenzene

Concen: 51.179 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

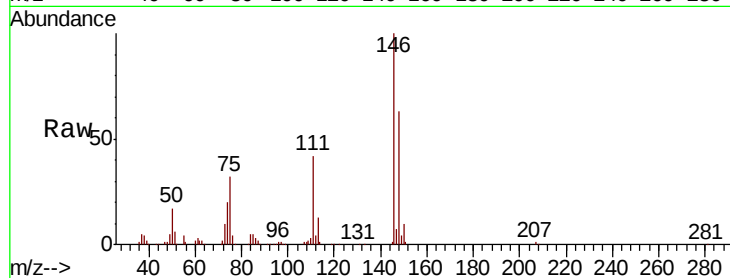
Tot Ion:146 Resp: 225213

Ion Ratio Lower Upper

146 100

111 41.8 21.0 63.0

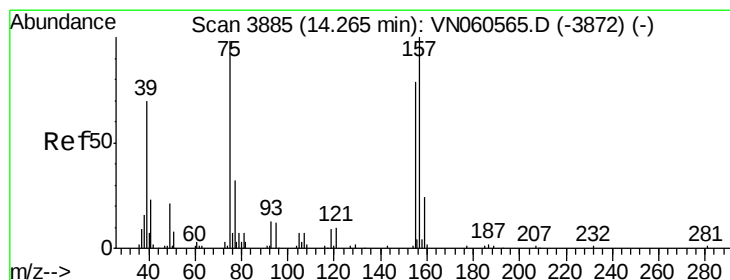
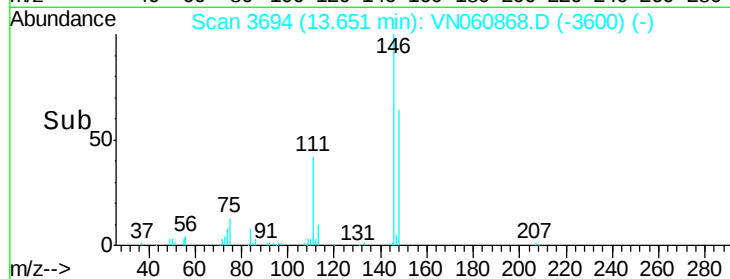
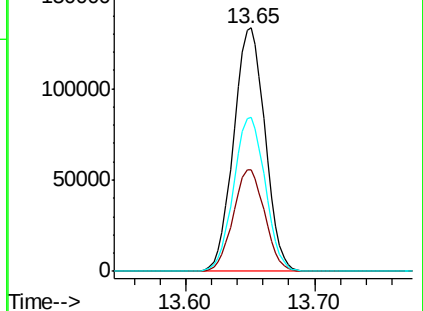
148 63.7 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.049 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. 0.00 min

Lab File: VN060868.D

Acq: 7 Apr 2020 11:08

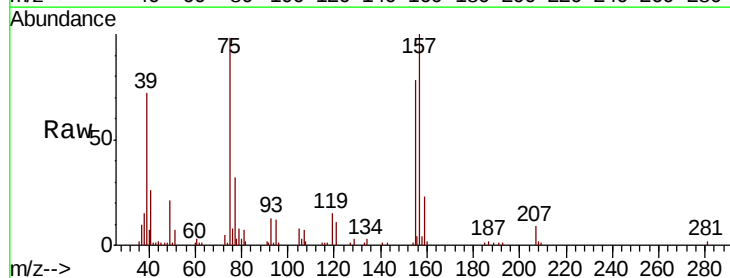
Tgt Ion: 75 Resp: 32964

Ion Ratio Lower Upper

75 100

155 78.9 40.7 122.1

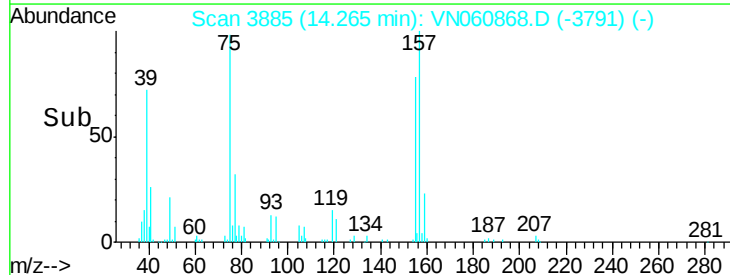
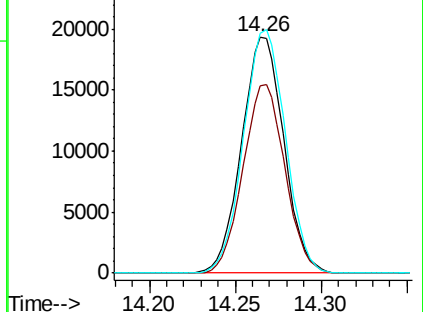
157 102.1 51.5 154.7

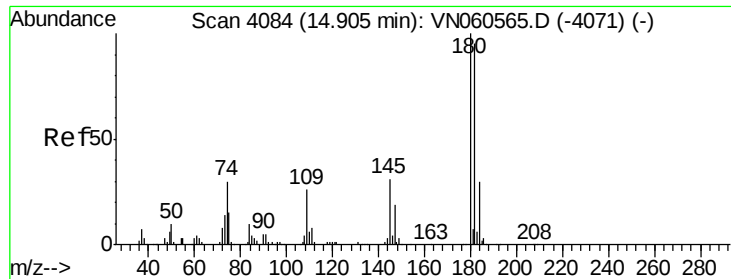


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

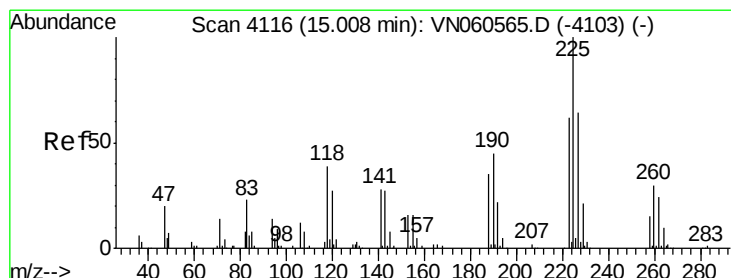
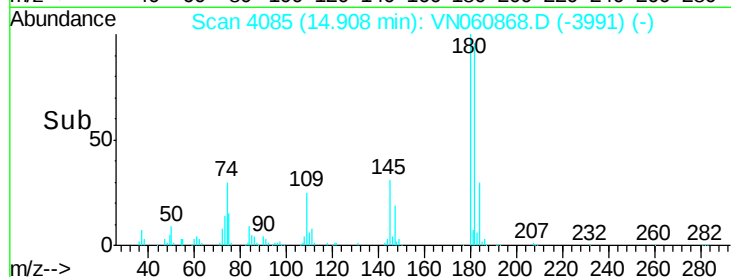
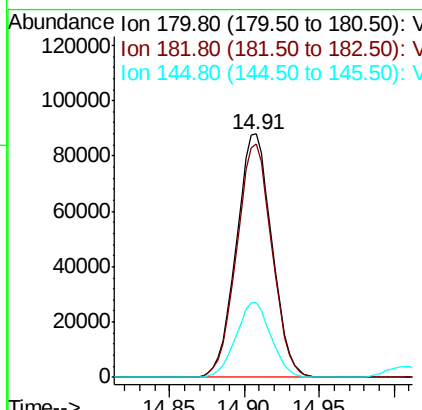
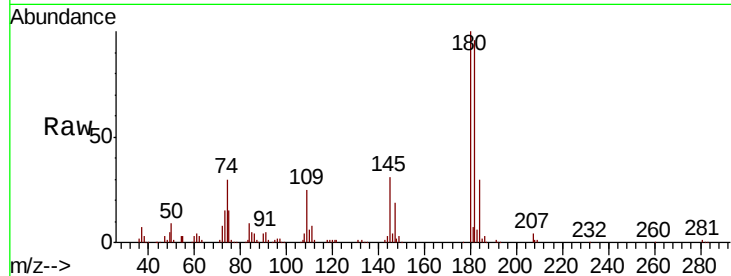




#93
 1,2,4-Trichlorobenzene
 Concen: 53.843 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

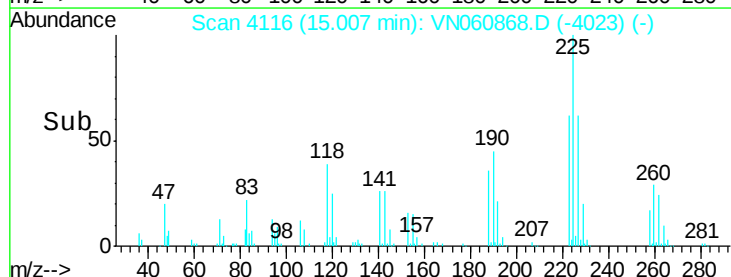
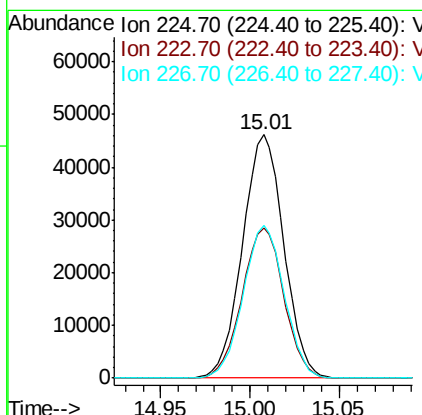
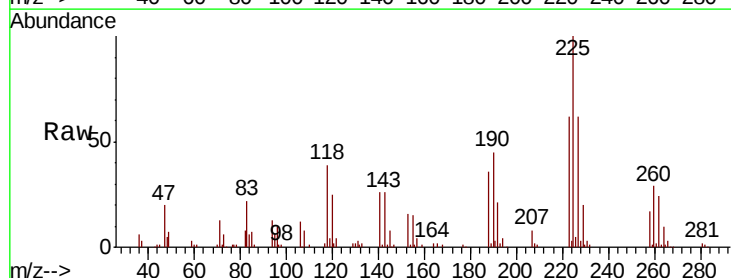
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

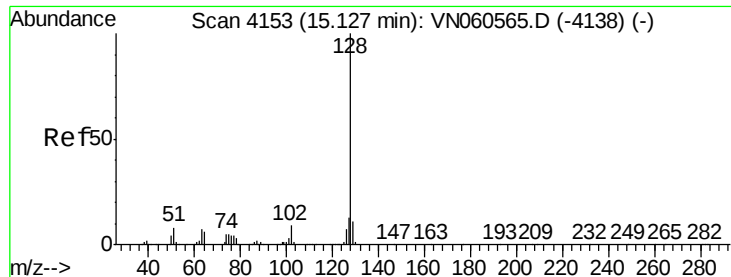
Tot Ion:180 Resp: 145502
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.9 143.8
 145 30.3 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 56.214 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060868.D
 Acq: 7 Apr 2020 11:08

Tgt Ion:225 Resp: 74469
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.6 95.0
 227 62.4 32.3 96.8

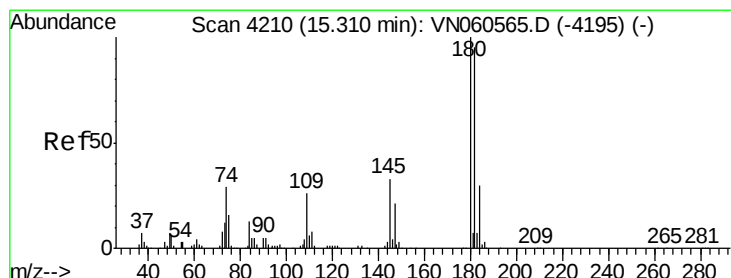
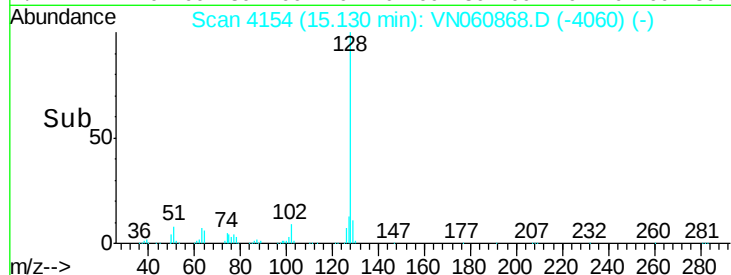
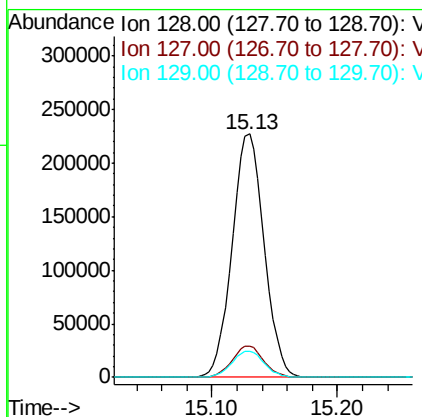
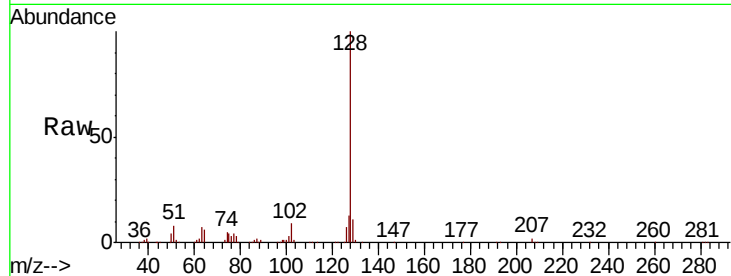




#95
Naphthalene
Concen: 49.451 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 401940
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.641 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060868.D
Acq: 7 Apr 2020 11:08

Tgt Ion:180 Resp: 137455
Ion Ratio Lower Upper
180 100
182 95.5 47.5 142.6
145 32.5 16.3 48.8

