

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059108.D
 Acq On : 7 Nov 2019 8:51
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Nov 08 01:08:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	74659	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.56	114	420388	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	377957	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.00	65	177485	28.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.37%
60) 4-Bromofluorobenzene	12.40	95	190979	28.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.30%
63) Toluene-d8	10.08	98	531431	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	84675	20.932	ug/l 100
3) Chloromethane	2.04	50	119943	22.198	ug/l 99
4) Vinyl Chloride	2.17	62	123166	22.055	ug/l 96
5) Bromomethane	2.55	94	72892	21.140	ug/l 96
6) Chloroethane	2.68	64	73564	20.957	ug/l 97
7) Trichlorofluoromethane	3.00	101	153445	22.323	ug/l 98
8) Diethyl Ether	3.38	74	63577	24.251	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93675	23.552	ug/l 96
10) 1,1-Dichloroethene	3.71	96	90090	23.063	ug/l 95
11) Methyl Iodide	3.93	142	107654	19.789	ug/l 97
12) Methyl Acetate	4.29	43	140399	22.464	ug/l 99
13) Acrolein	3.58	56	96228	139.349	ug/l 99
14) Acrylonitrile	4.95	53	281161	114.173	ug/l 97
15) Acetone	3.79	58	133727	182.940	ug/l 86
16) Carbon Disulfide	4.03	76	257928	22.638	ug/l 99
17) Allyl chloride	4.29	41	167107	21.493	ug/l 89
18) Methylene Chloride	4.52	84	108093	22.851	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	97935	23.029	ug/l 87
20) Diisopropyl ether	5.92	45	366774	23.154	ug/l 95
21) 1,1-Dichloroethane	5.82	63	199184	22.707	ug/l 99
22) cis-1,2-Dichloroethene	6.80	96	115325	22.745	ug/l 97
23) tert-Butyl Alcohol	4.75	59	106994	106.223	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	324503	22.267	ug/l 94
25) Chloroform	7.34	83	194672	22.252	ug/l 95
26) Cyclohexane	7.63	56	172028	22.343	ug/l # 96
29) 1,1-Dichloropropene	7.77	75	143276	21.651	ug/l 98
30) 2-Butanone	6.80	43	468044	125.160	ug/l 100
31) 2,2-Dichloropropane	6.79	77	172472	22.112	ug/l 100
32) 1,1,1-Trichloroethane	7.54	97	161858	21.148	ug/l 98
33) Carbon Tetrachloride	7.75	117	139747	21.094	ug/l 98
34) Benzene	8.02	78	436340	22.397	ug/l 97
35) Methacrylonitrile	7.14	41	65132	19.716	ug/l 87
36) 1,2-Dichloroethane	8.10	62	151965	20.402	ug/l 98
37) Trichloroethene	8.81	130	106299	22.210	ug/l 99
38) Methylcyclohexane	9.06	83	164946	21.498	ug/l 99
39) 1,2-Dichloropropane	9.10	63	121098	22.745	ug/l 99
40) Dibromomethane	9.19	93	72848	21.674	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	149277	21.740	ug/l	99
42) Vinyl Acetate	5.86	43	1483716	113.289	ug/l	100
43) Ethyl Acetate	6.90	43	152886	20.830	ug/l #	92
44) Isopropyl Acetate	8.14	43	245112	20.617	ug/l	91
45) 1,4-Dioxane	9.18	88	40406	442.598	ug/l	96
46) Methyl methacrylate	9.18	41	110096	20.171	ug/l	95
47) n-amyl Acetate	12.07	43	190472	18.072	ug/l	97
48) t-1,3-Dichloropropene	10.37	75	171434	21.528	ug/l	98
49) cis-1,3-Dichloropropene	9.82	75	184593	22.075	ug/l	95
50) 1,1,2-Trichloroethane	10.55	97	105847	22.060	ug/l	98
51) Ethyl methacrylate	10.42	69	155029	20.206	ug/l	95
52) 1,3-Dichloropropane	10.70	76	185269	21.682	ug/l	99
53) Dibromochloromethane	10.89	129	112746	21.896	ug/l	98
54) 1,2-Dibromoethane	11.00	107	105899	21.294	ug/l	98
55) 2-Chloroethyl vinyl ether	9.68	63	349434	91.561	ug/l	100
56) Bromoform	12.12	173	78832	21.977	ug/l	99
58) 4-Methyl-2-Pentanone	9.97	43	762646	110.610	ug/l	98
59) 2-Hexanone	10.74	43	610385	112.921	ug/l	97
61) Tetrachloroethene	10.62	164	94980	23.255	ug/l	97
62) Toluene	10.14	91	454022	22.332	ug/l	99
64) Chlorobenzene	11.43	112	277695	22.341	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.50	131	104106	22.337	ug/l	98
66) Ethyl Benzene	11.51	91	496738	22.066	ug/l	100
67) m/p-Xylenes	11.62	106	364371	43.323	ug/l	99
68) o-Xylene	11.95	106	176138	21.603	ug/l	99
69) Styrene	11.96	104	278634	20.686	ug/l	100
70) Isopropylbenzene	12.25	105	482442	21.916	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157398	21.239	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	207900	30.960	ug/l	61
73) Bromobenzene	12.53	156	114367	21.390	ug/l	100
74) n-propylbenzene	12.59	91	557786	21.648	ug/l	100
75) 2-Chlorotoluene	12.67	91	335828	21.663	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	409037	21.695	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	53478	20.905	ug/l	94
78) 4-Chlorotoluene	12.77	91	333794	20.891	ug/l	98
79) tert-butylbenzene	12.99	119	345908	21.474	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	395884	21.131	ug/l	100
81) sec-Butylbenzene	13.17	105	458441	21.148	ug/l	99
82) p-Isopropyltoluene	13.29	119	407030	20.909	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	199622	20.632	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	191577	19.824	ug/l	99
85) n-Butylbenzene	13.62	91	336382	18.874	ug/l	99
86) Hexachloroethane	13.88	117	77459	21.865	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	195867	20.506	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29923	18.141	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	99125	16.436	ug/l	99
90) Hexachlorobutadiene	15.01	225	66573	21.376	ug/l	99
91) Naphthalene	15.13	128	264138	14.834	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	102271	17.420	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
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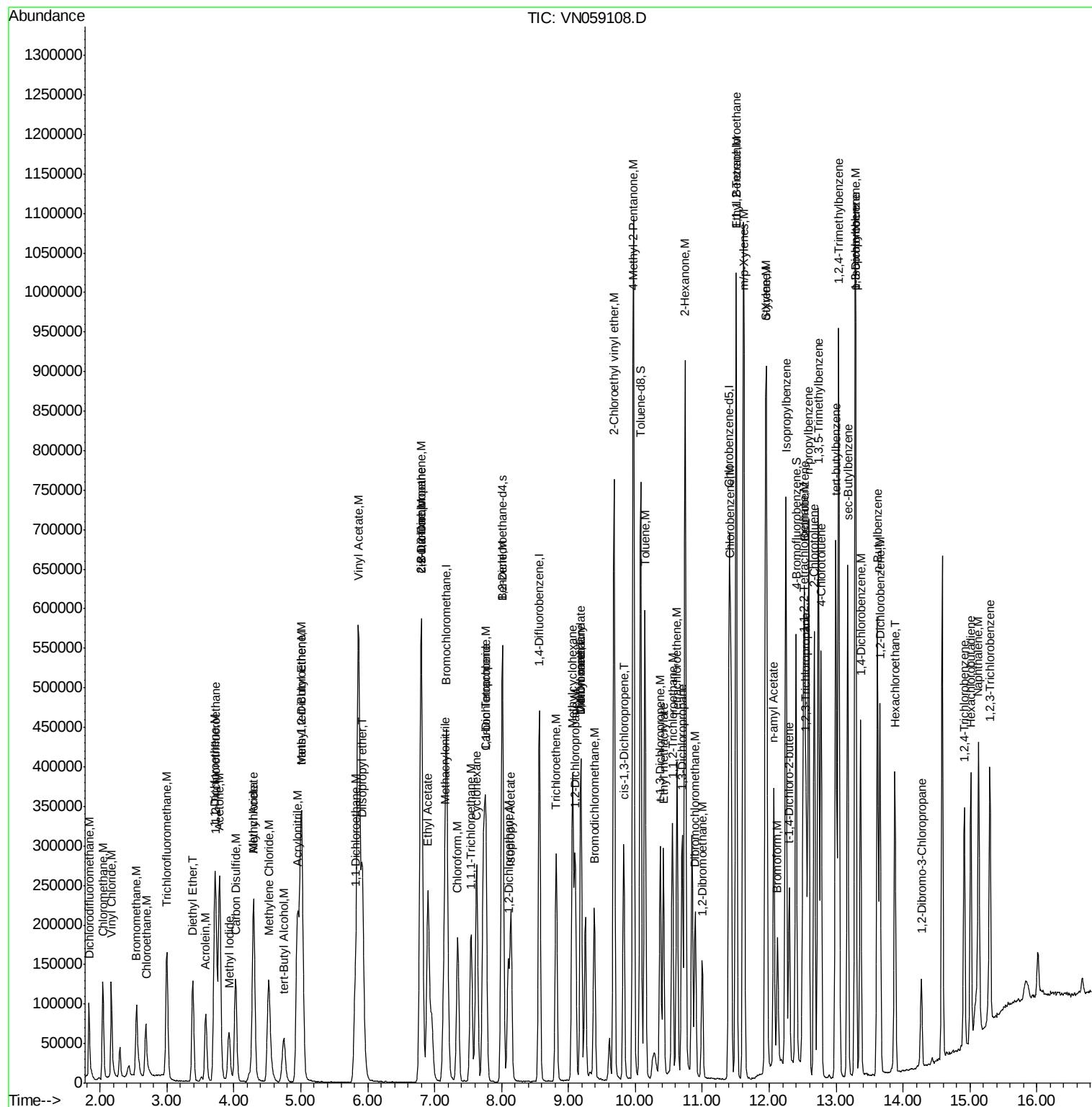
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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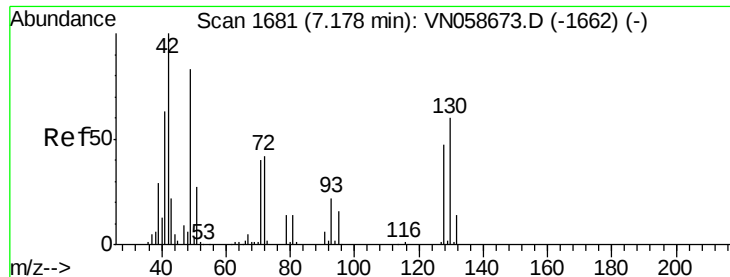
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 08 01:08:21 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

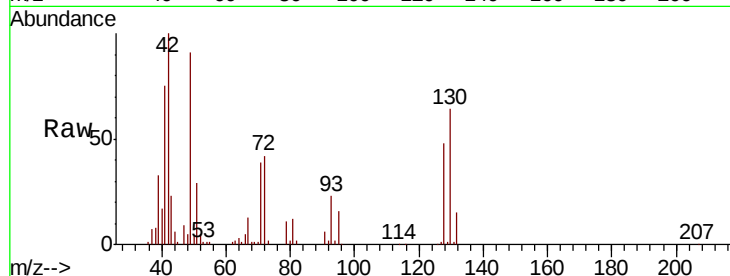
Tot Ion:128 Resp: 74659

Ion Ratio Lower Upper

128 100

49 184.1 0.0 453.5

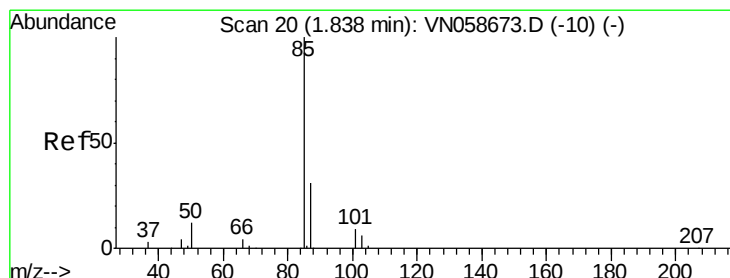
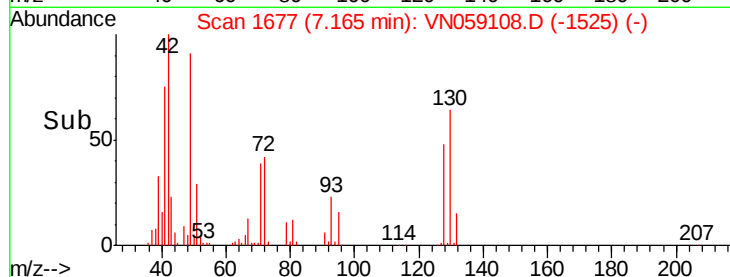
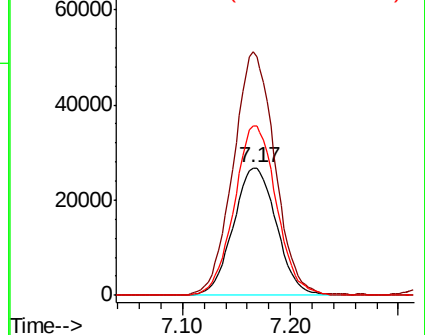
130 129.6 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.932 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059108.D

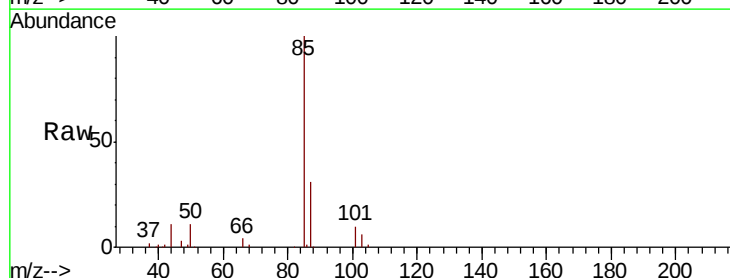
Acq: 7 Nov 2019 8:51

Tgt Ion: 85 Resp: 84675

Ion Ratio Lower Upper

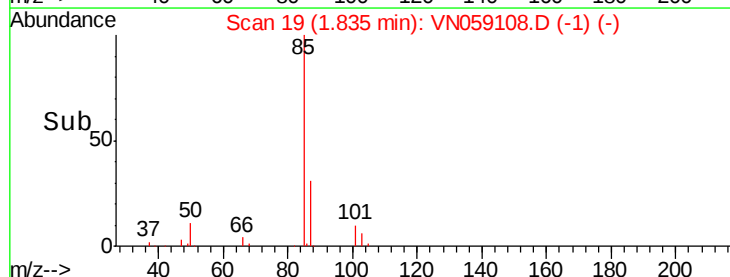
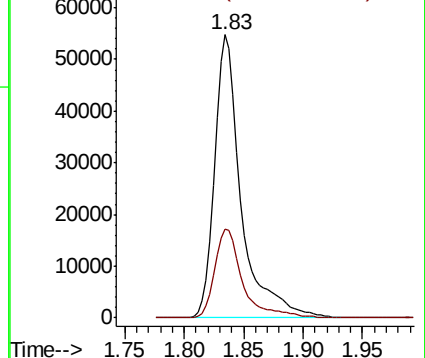
85 100

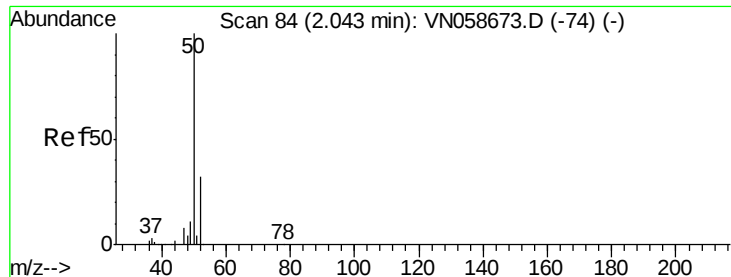
87 31.4 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

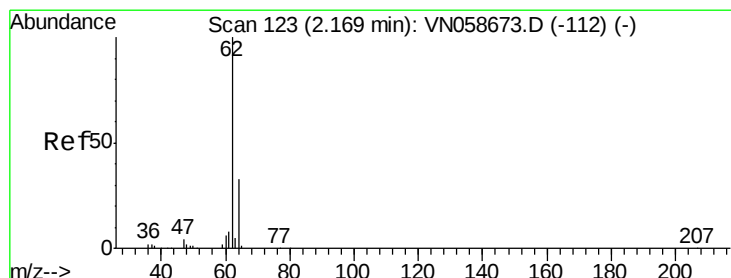
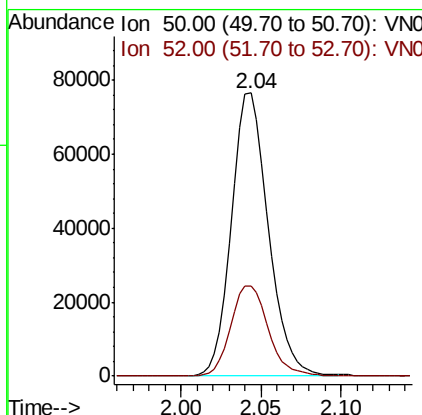
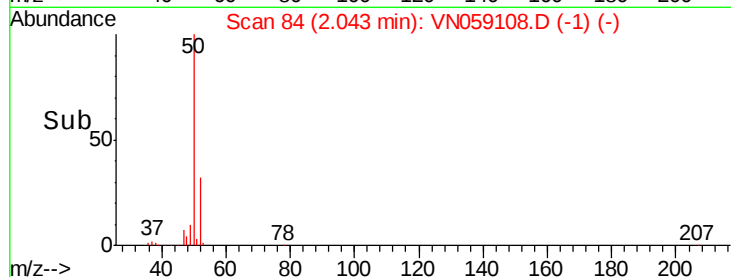
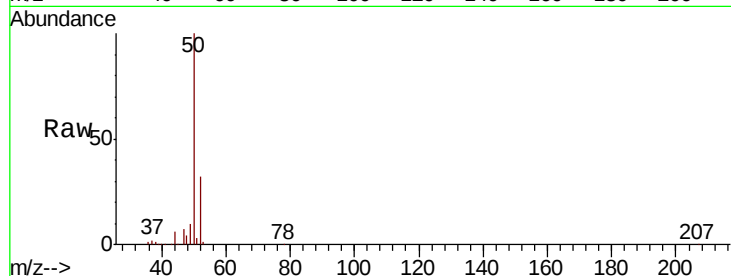




#3
Chloromethane
Concen: 22.198 ug/l
RT: 2.04 min Scan# 84
Delta R.T. 0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

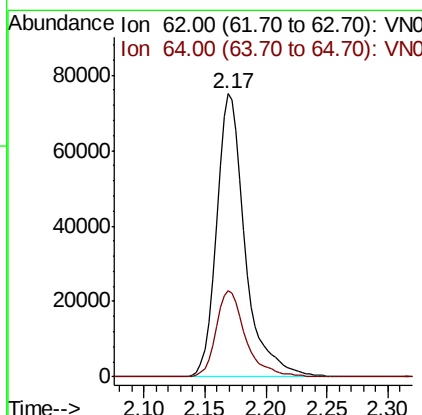
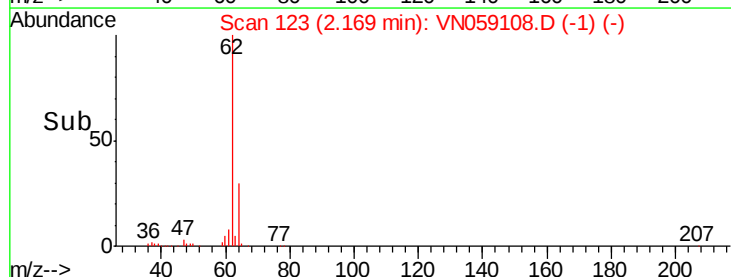
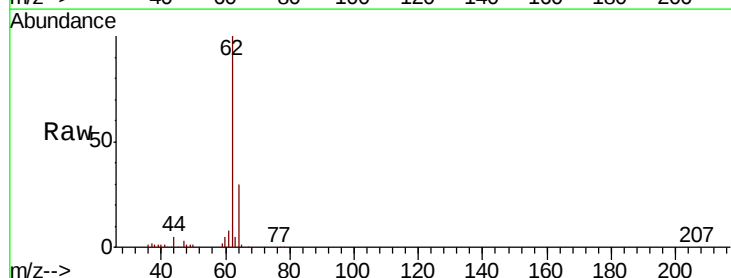
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

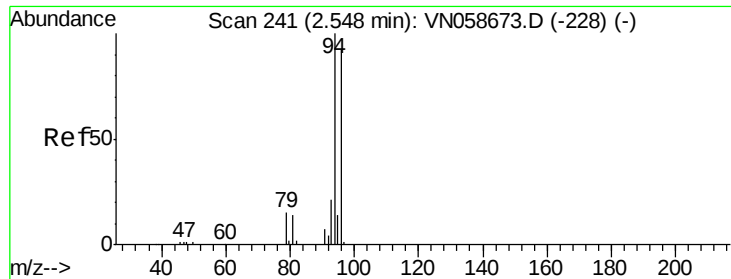
Tot Ion: 50 Resp: 119943
Ion Ratio Lower Upper
50 100
52 31.9 25.8 38.8



#4
Vinyl Chloride
Concen: 22.055 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 62 Resp: 123166
Ion Ratio Lower Upper
62 100
64 30.3 26.1 39.1





#5

Bromomethane

Concen: 21.140 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

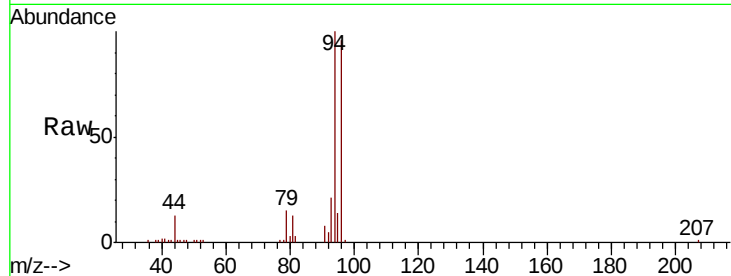
VSTDCCC020

Tot Ion: 94 Resp: 72892

Ion Ratio Lower Upper

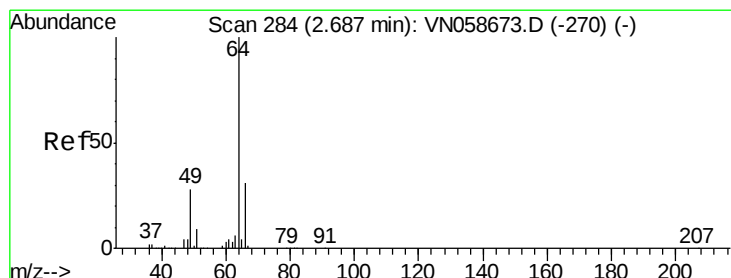
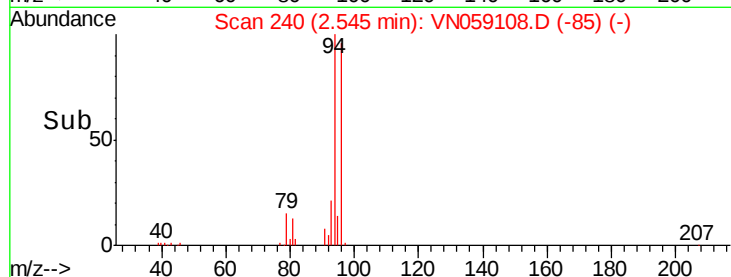
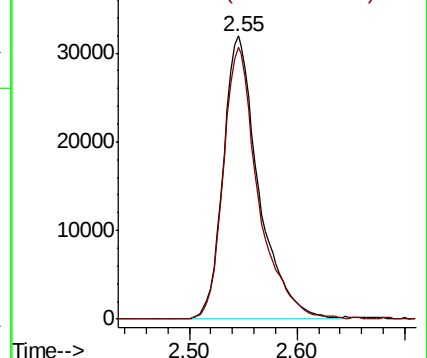
94 100

96 95.5 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.957 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059108.D

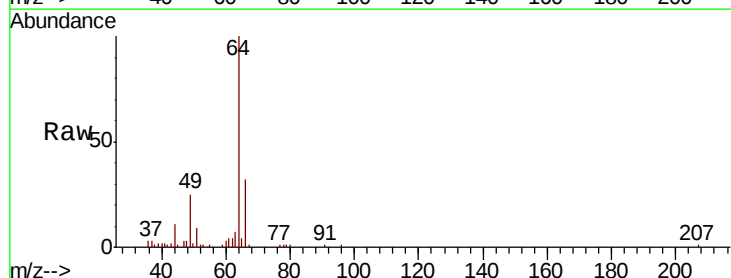
Acq: 7 Nov 2019 8:51

Tgt Ion: 64 Resp: 73564

Ion Ratio Lower Upper

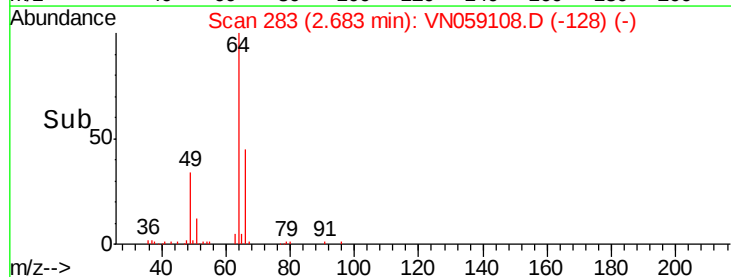
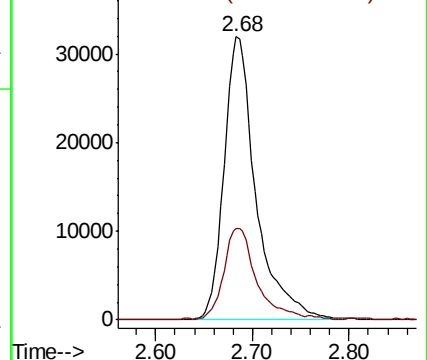
64 100

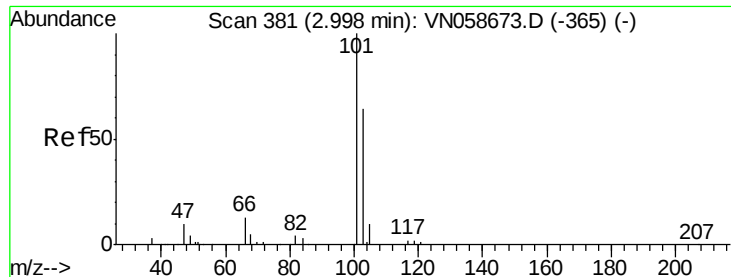
66 32.5 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



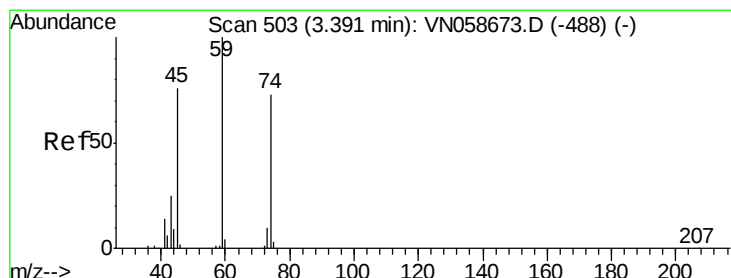
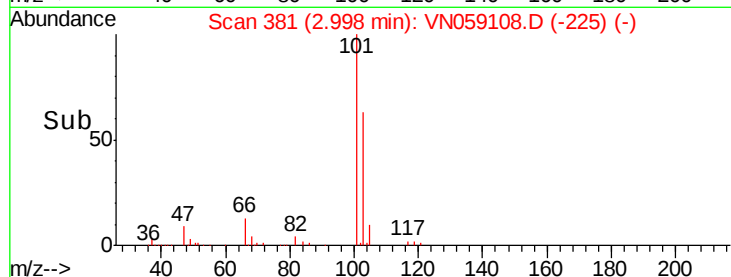
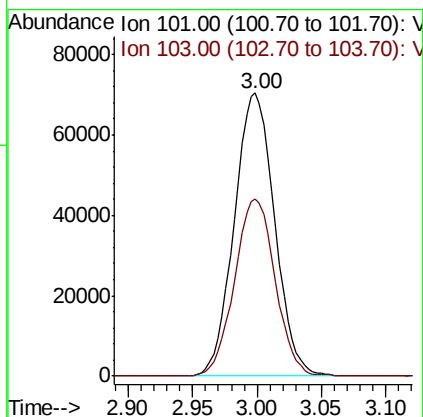
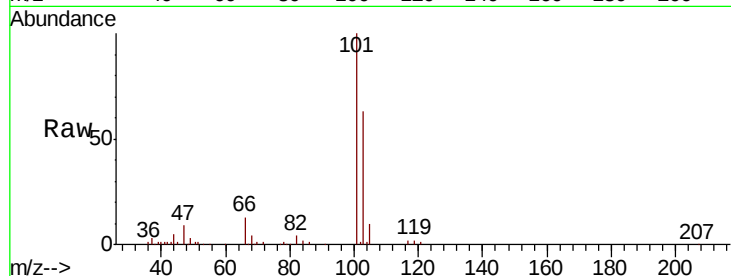


#7

Trichlorofluoromethane
 Concen: 22.323 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
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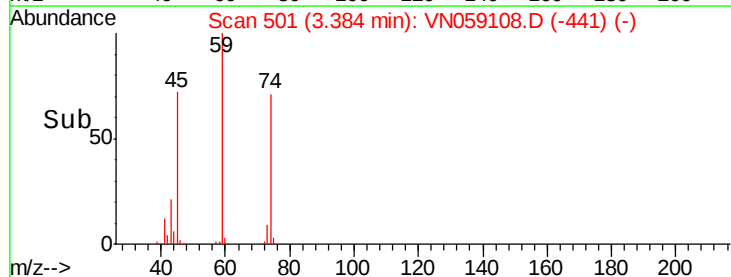
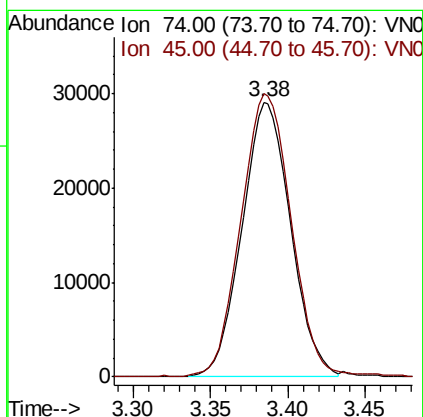
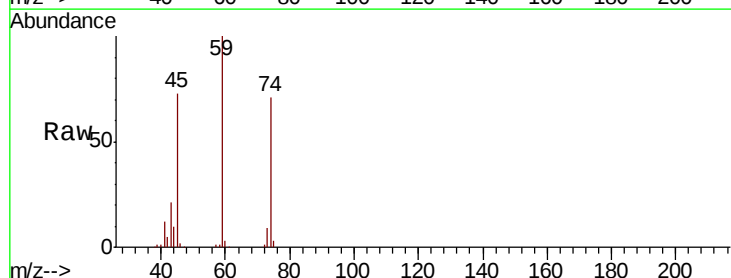
Tot Ion:101 Resp: 153445
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.5 77.3

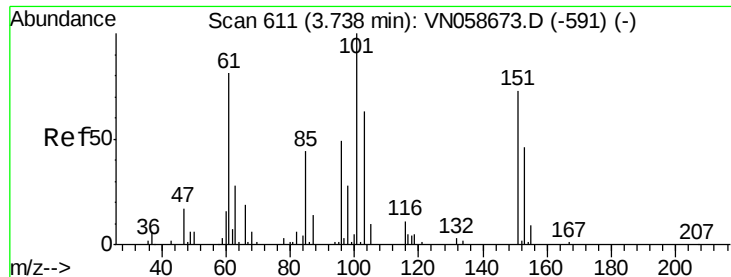


#8

Diethyl Ether
 Concen: 24.251 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion: 74 Resp: 63577
 Ion Ratio Lower Upper
 74 100
 45 106.6 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.552 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

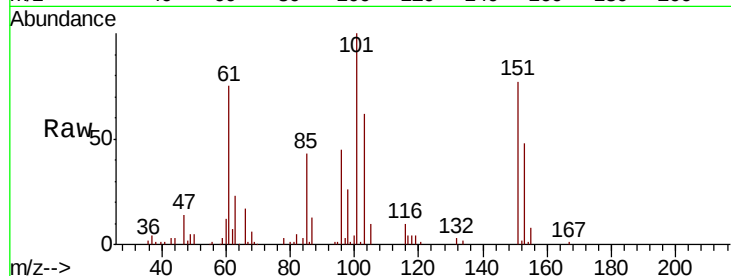
Tot Ion:101 Resp: 93675

Ion Ratio Lower Upper

101 100

85 42.9 0.0 93.8

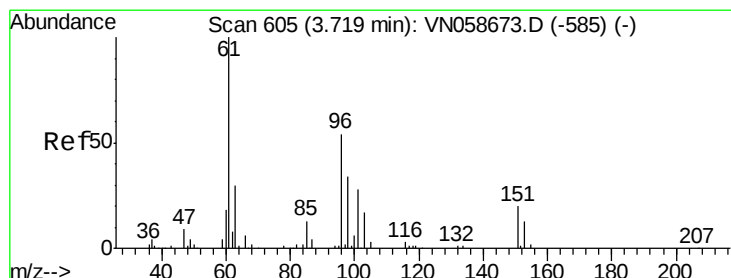
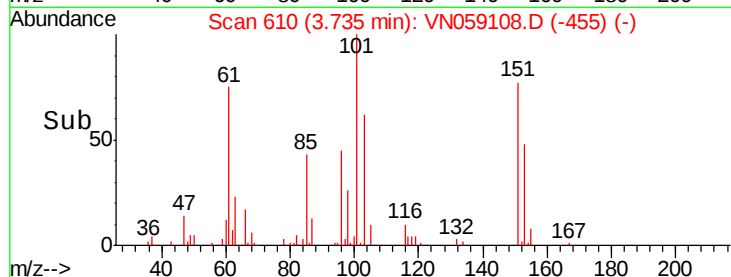
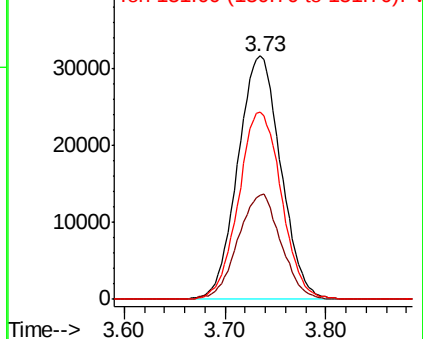
151 76.7 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 23.063 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

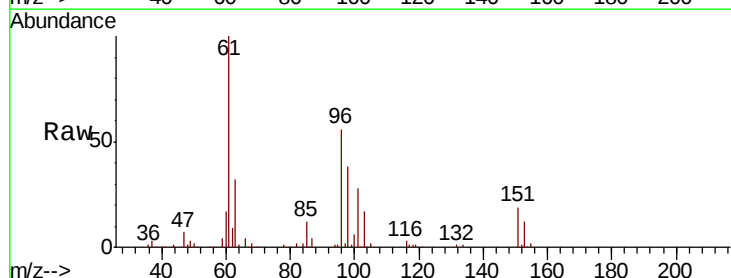
Tgt Ion: 96 Resp: 90090

Ion Ratio Lower Upper

96 100

61 178.6 148.5 222.7

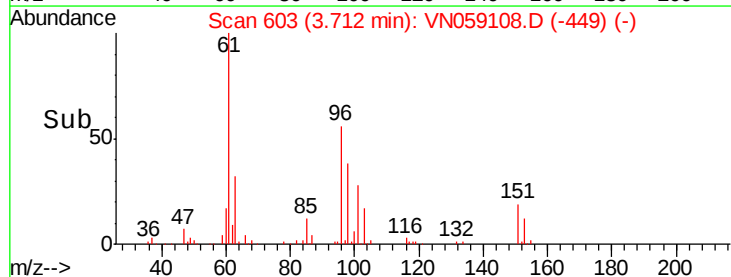
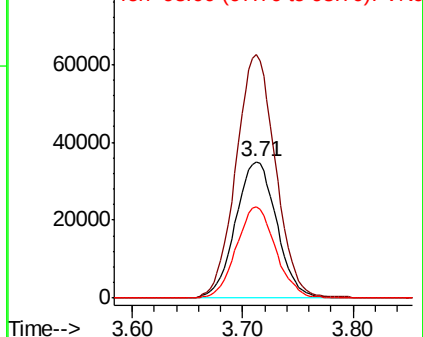
98 67.3 51.0 76.6

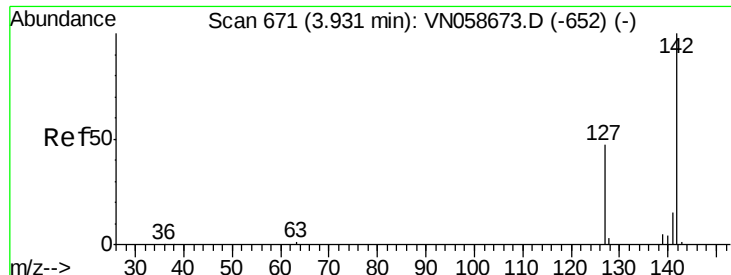


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

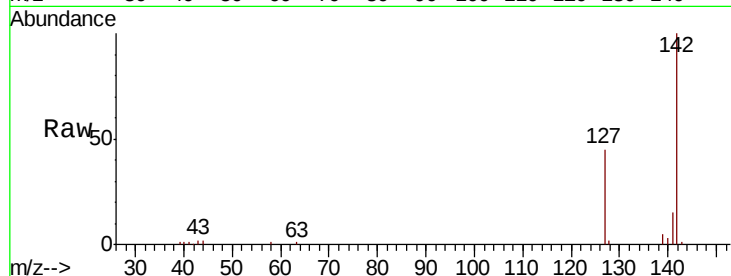




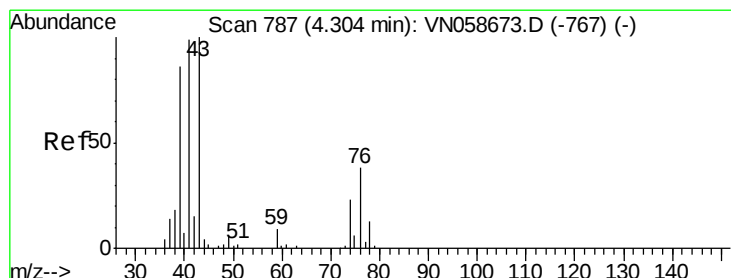
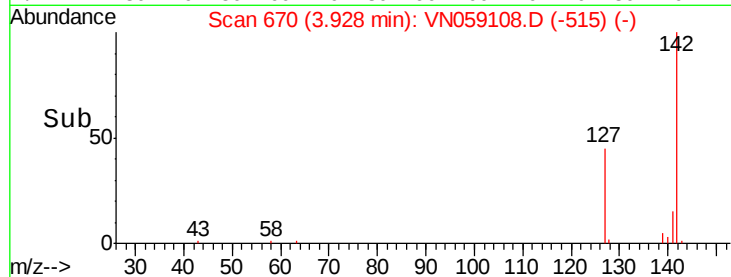
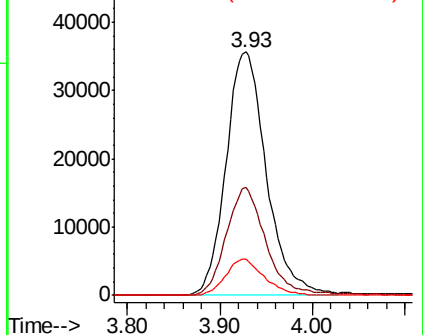
#11
Methyl Iodide
Concen: 19.789 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 107654
Ion Ratio Lower Upper
142 100
127 44.5 23.5 70.6
141 14.7 7.4 22.2

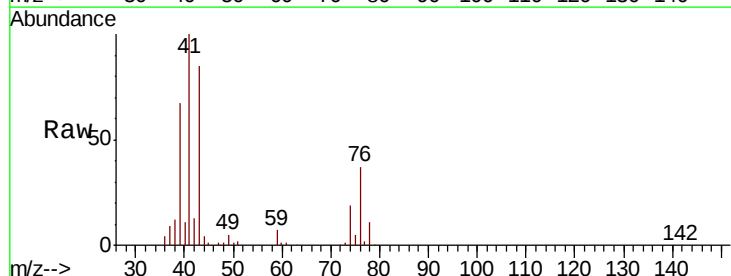


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

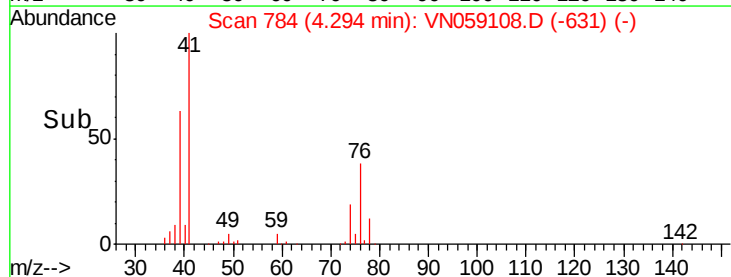
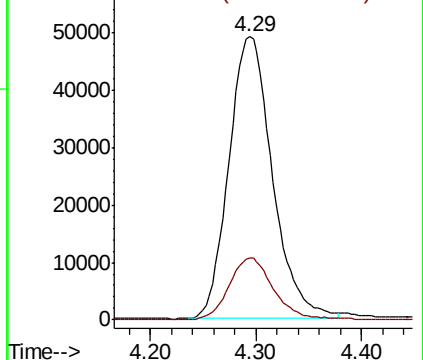


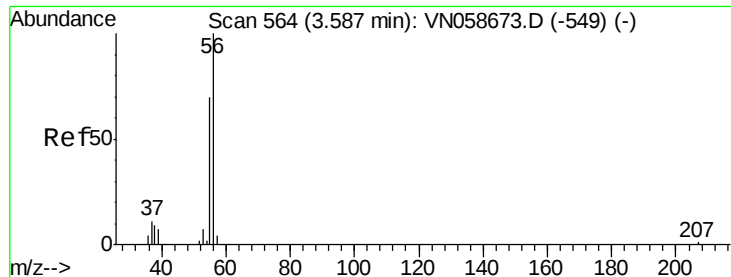
#12
Methyl Acetate
Concen: 22.464 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 43 Resp: 140399
Ion Ratio Lower Upper
43 100
74 22.0 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 139.349 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

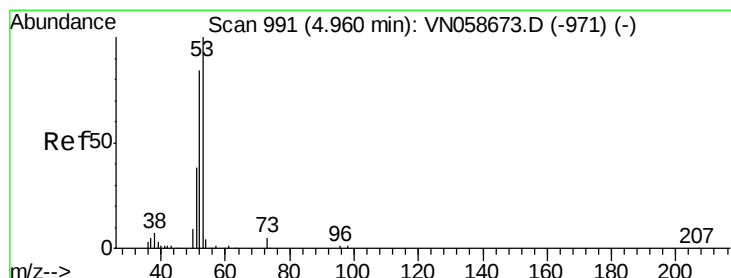
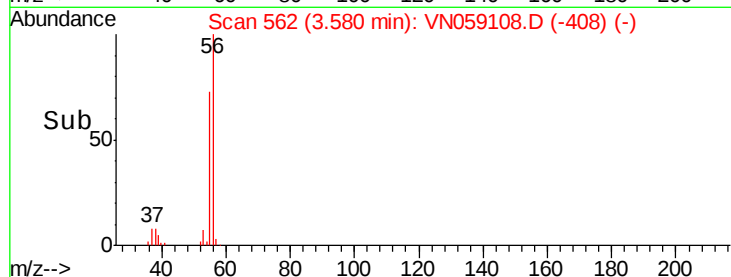
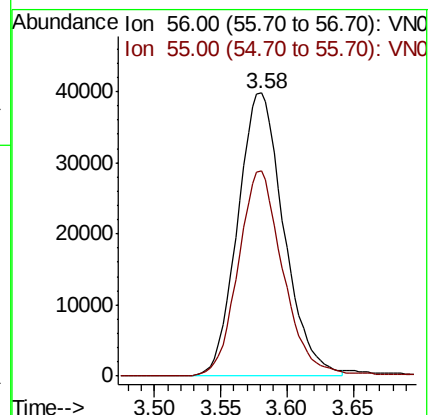
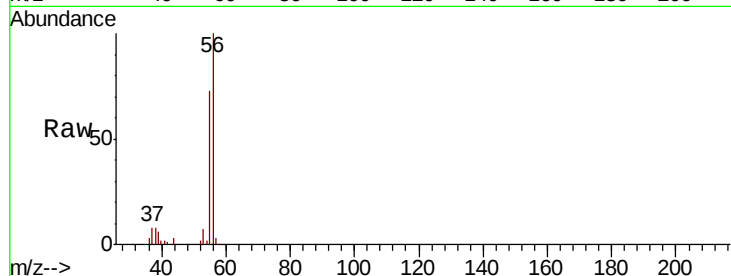
VSTDCCC020

Tot Ion: 56 Resp: 96228

Ion Ratio Lower Upper

56 100

55 70.7 55.9 83.9



#14

Acrylonitrile

Concen: 114.173 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

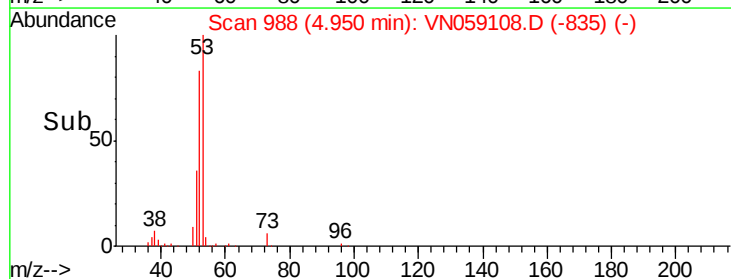
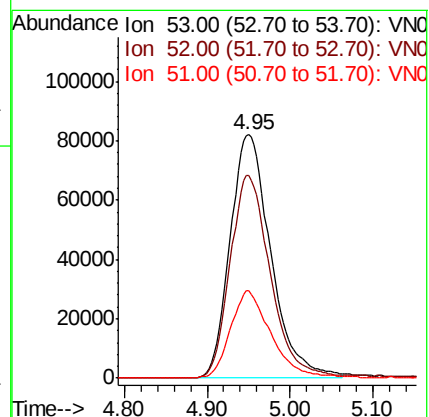
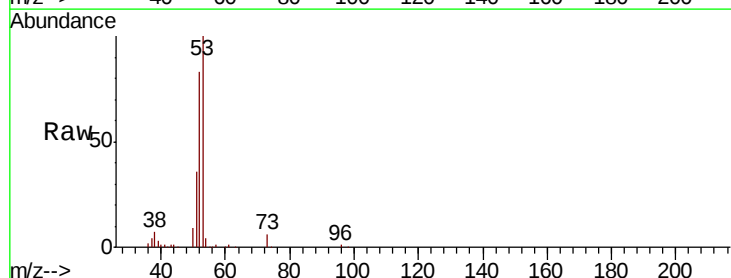
Tgt Ion: 53 Resp: 281161

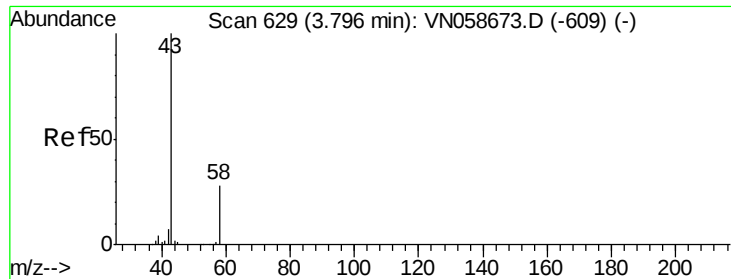
Ion Ratio Lower Upper

53 100

52 82.2 42.2 126.6

51 35.2 18.8 56.4

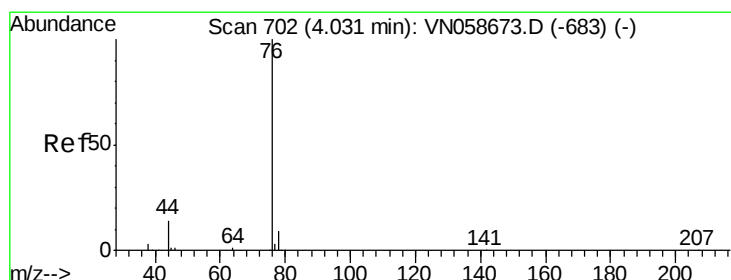
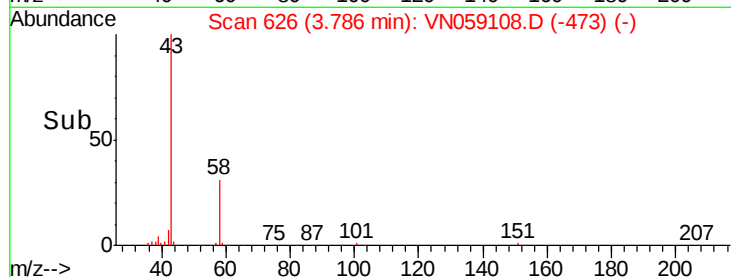
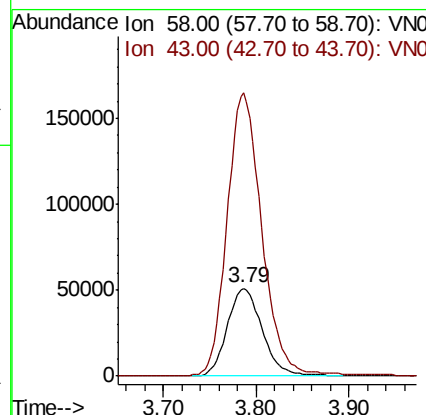
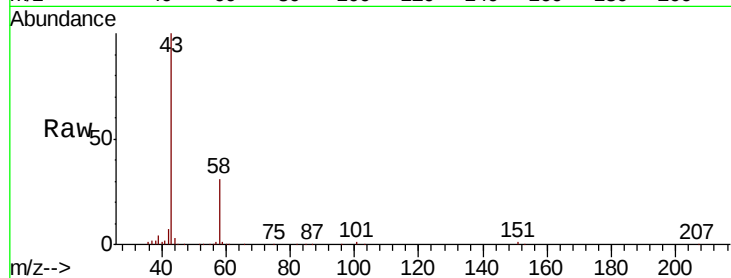




#15
Acetone
Concen: 182.940 ug/l
RT: 3.79 min Scan# 626
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

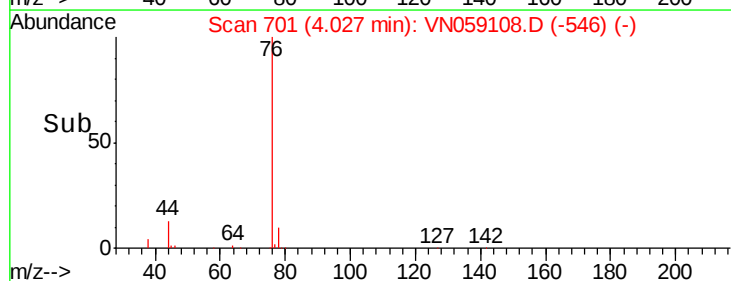
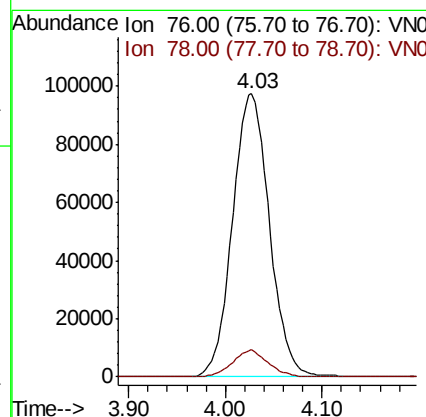
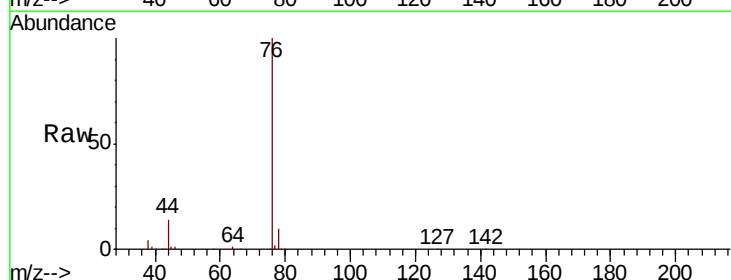
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

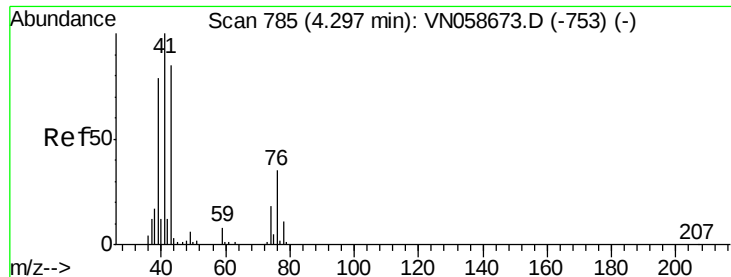
Tot Ion: 58 Resp: 133727
Ion Ratio Lower Upper
58 100
43 321.5 281.7 422.5



#16
Carbon Disulfide
Concen: 22.638 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 76 Resp: 257928
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

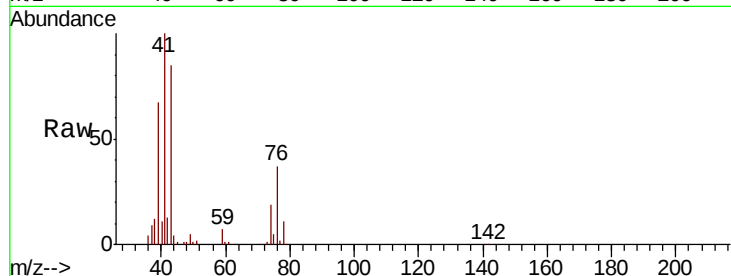




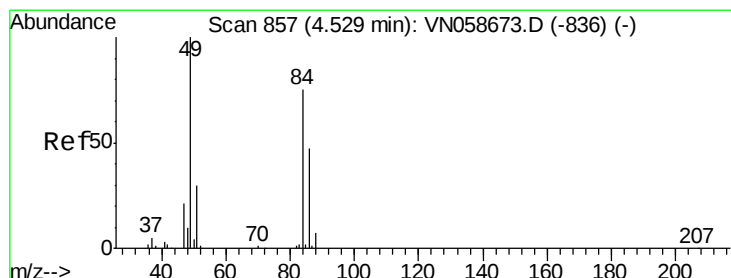
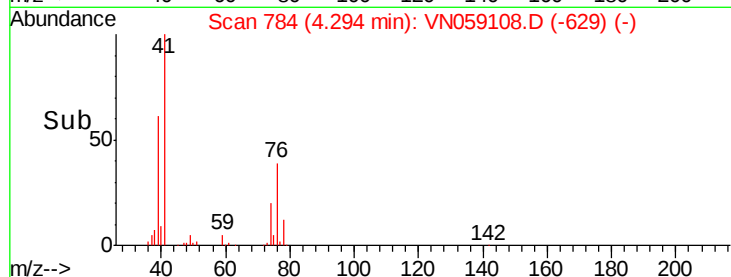
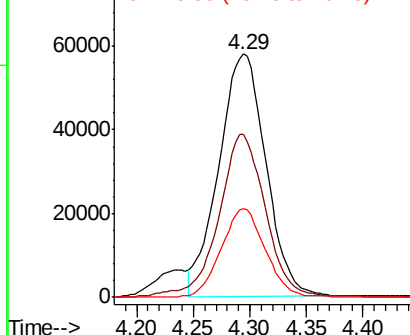
#17
Allvl chloride
Concen: 21.493 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 41 Resp: 167107
Ion Ratio Lower Upper
41 100
39 66.8 39.6 118.8
76 36.9 17.6 52.9

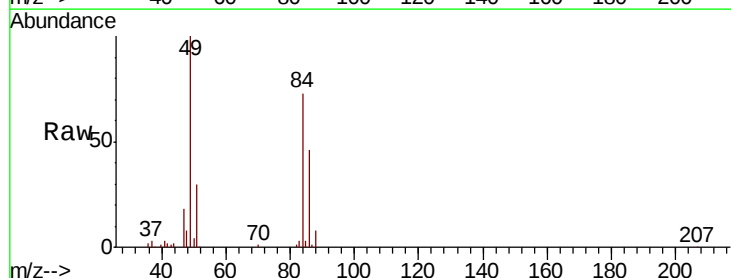


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

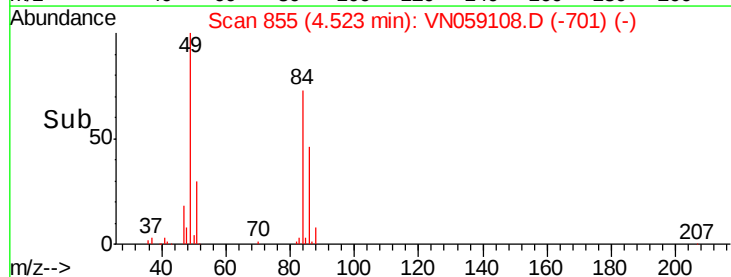
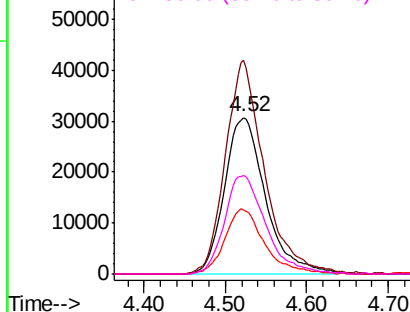


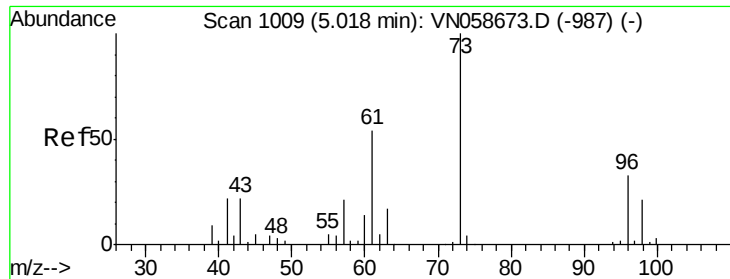
#18
Methylene Chloride
Concen: 22.851 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 84 Resp: 108093
Ion Ratio Lower Upper
84 100
49 136.2 106.6 160.0
51 41.0 32.4 48.6
86 62.7 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

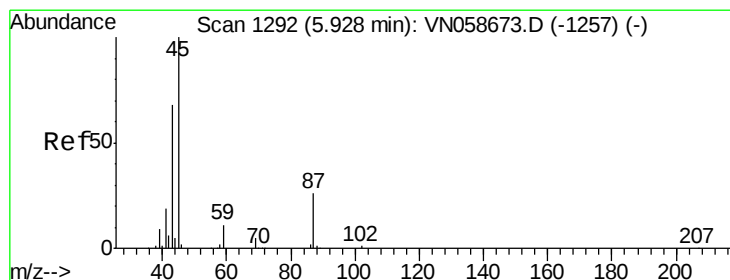
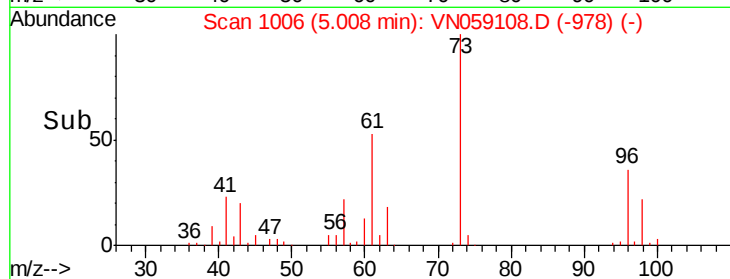
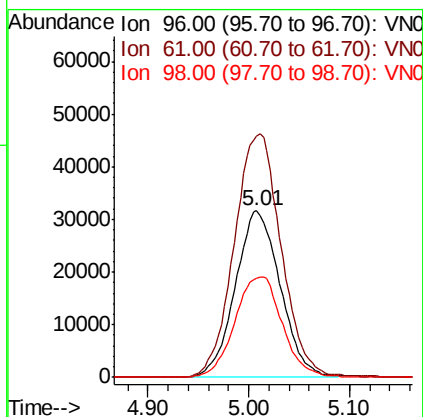
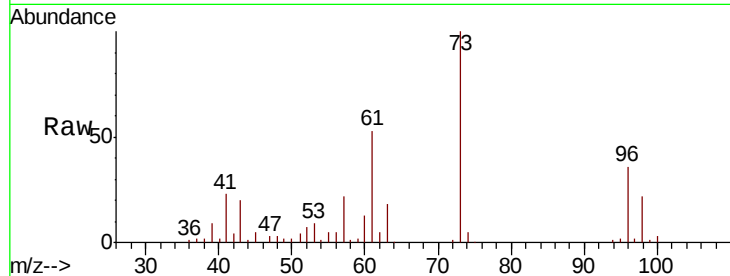




#19
trans-1,2-Dichloroethene
Concen: 23.029 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

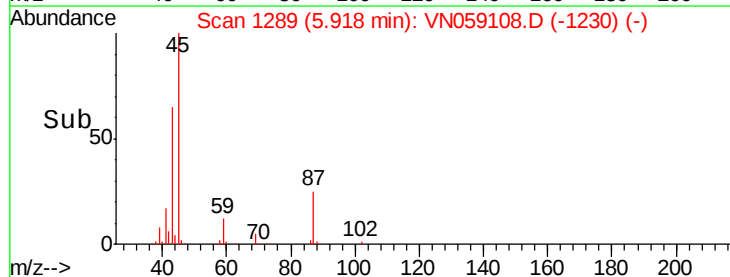
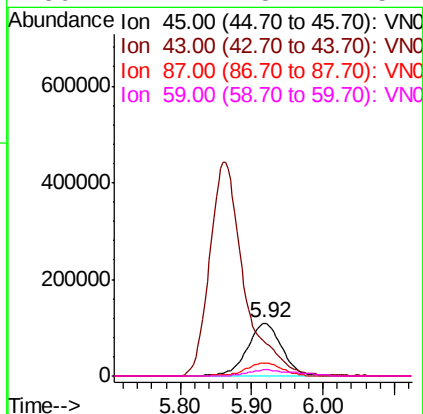
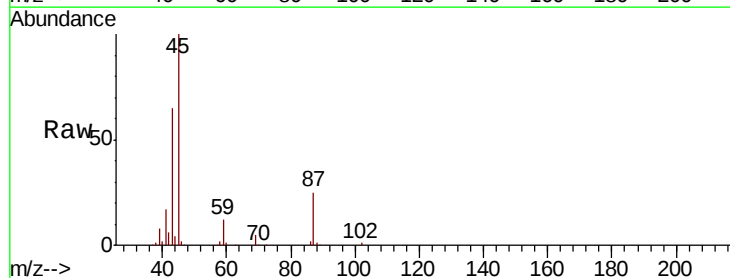
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

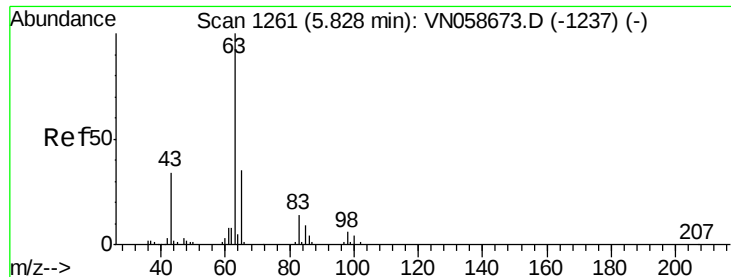
Tot Ion: 96 Resp: 97935
Ion Ratio Lower Upper
96 100
61 144.0 131.8 197.6
98 59.5 52.6 79.0



#20
Diisopropyl ether
Concen: 23.154 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 45 Resp: 366774
Ion Ratio Lower Upper
45 100
43 63.0 54.7 82.1
87 25.3 21.5 32.3
59 11.4 8.7 13.1





#21

1,1-Dichloroethane

Concen: 22.707 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

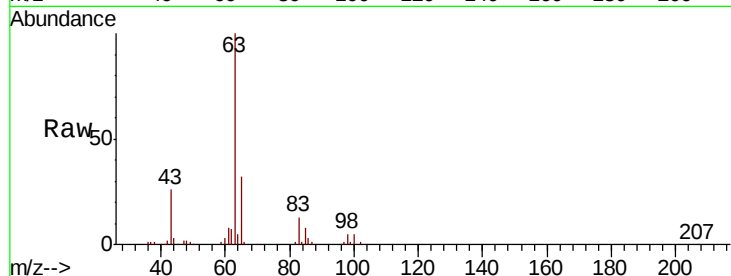
Tot Ion: 63 Resp: 199184

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

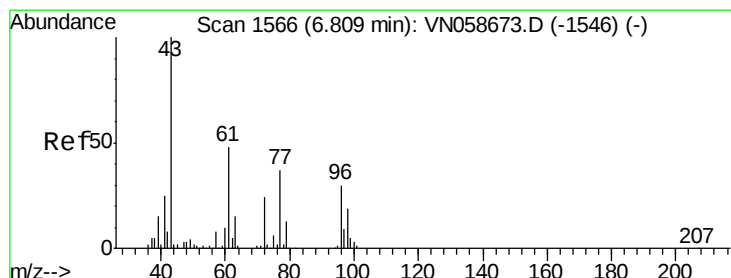
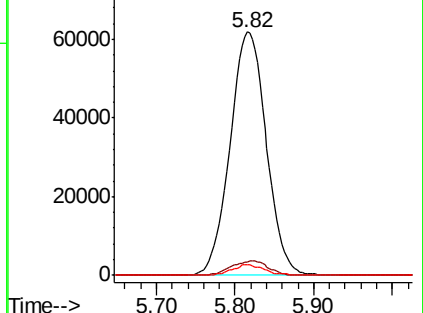
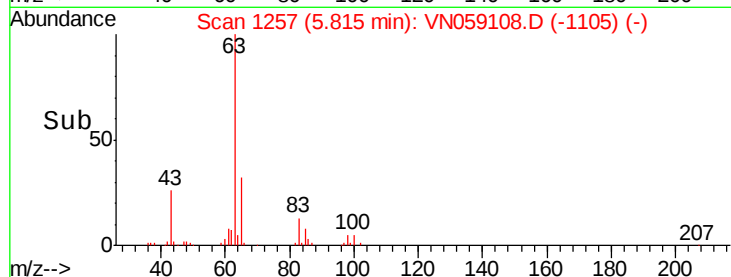
100 4.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN059108.D (-1105) (-)

Ion 98.00 (97.70 to 98.70): VN059108.D (-1105) (-)

Ion 100.00 (99.70 to 100.70): VN059108.D (-1105) (-)



#22

cis-1,2-Dichloroethene

Concen: 22.745 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

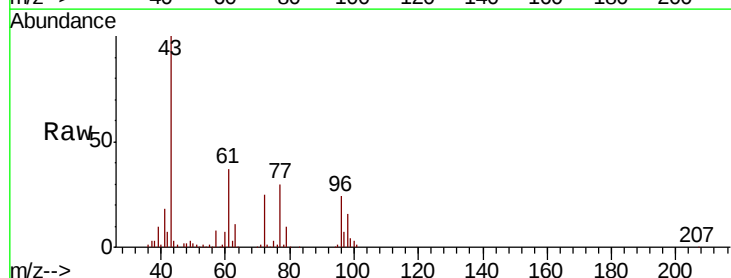
Tgt Ion: 96 Resp: 115325

Ion Ratio Lower Upper

96 100

61 155.8 127.2 190.8

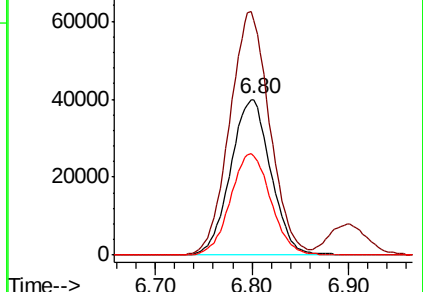
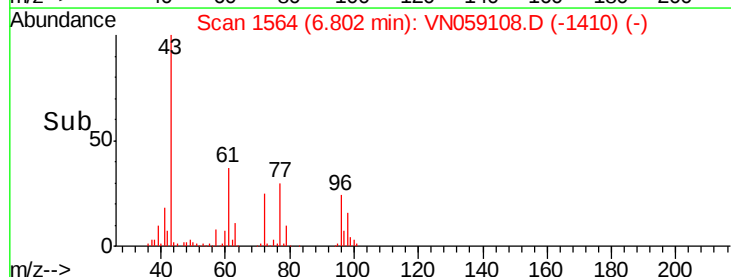
98 65.3 50.5 75.7

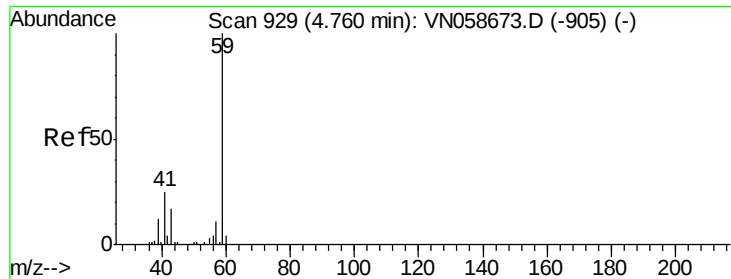


Abundance Ion 96.00 (95.70 to 96.70): VN059108.D (-1410) (-)

Ion 61.00 (60.70 to 61.70): VN059108.D (-1410) (-)

Ion 98.00 (97.70 to 98.70): VN059108.D (-1410) (-)



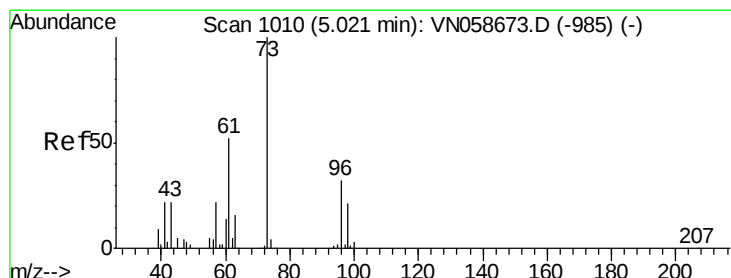
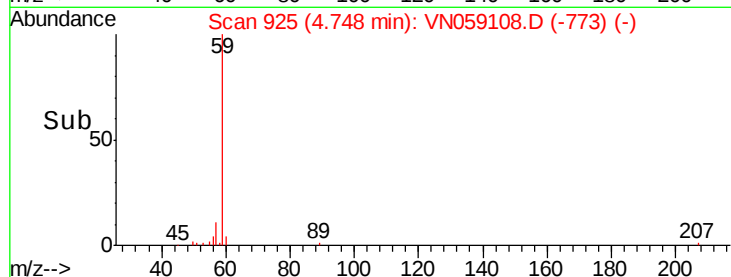
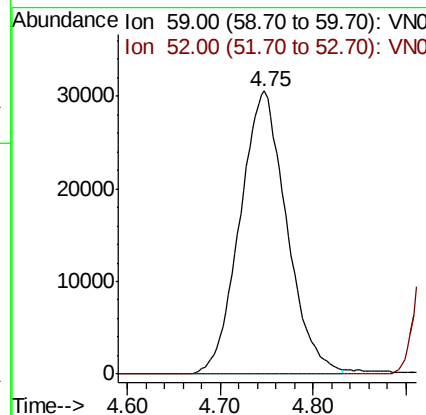
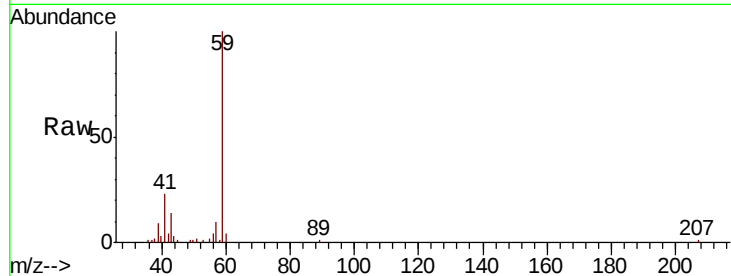


#23

tert-Butyl Alcohol
 Concen: 106.223 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

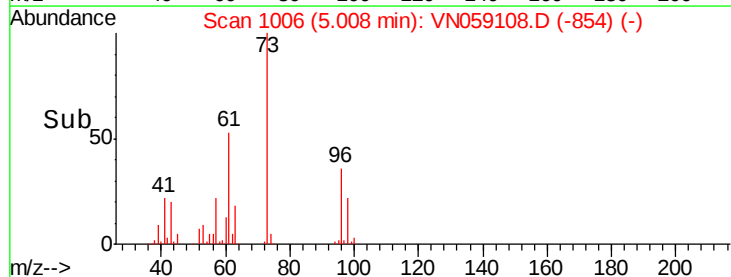
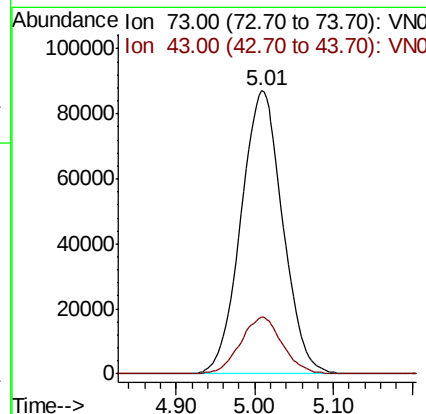
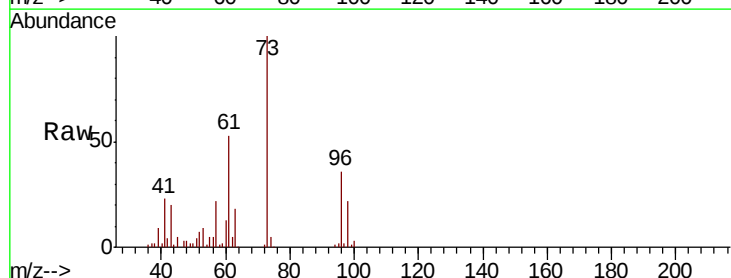
Tot Ion: 59 Resp: 106994
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

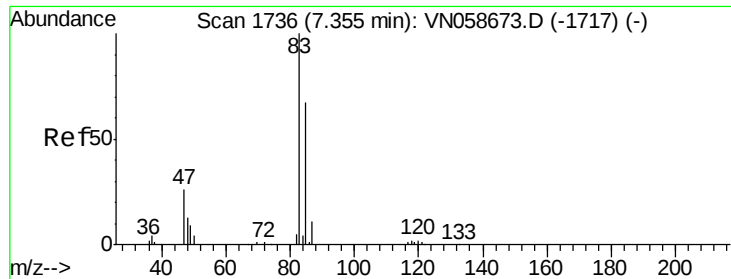


#24

Methyl tert-Butyl Ether
 Concen: 22.267 ug/l
 RT: 5.01 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion: 73 Resp: 324503
 Ion Ratio Lower Upper
 73 100
 43 19.6 17.9 26.9

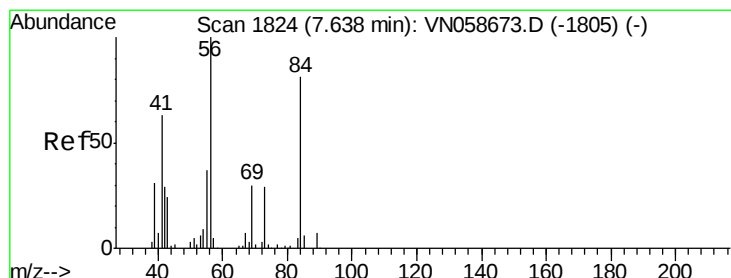
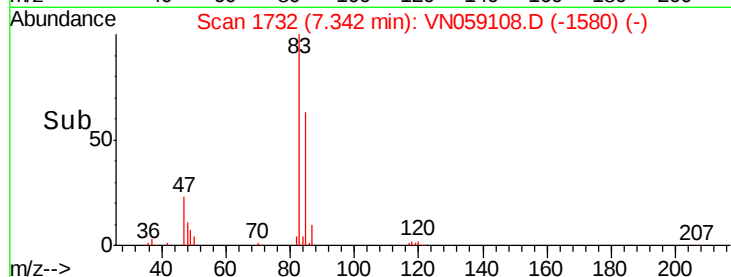
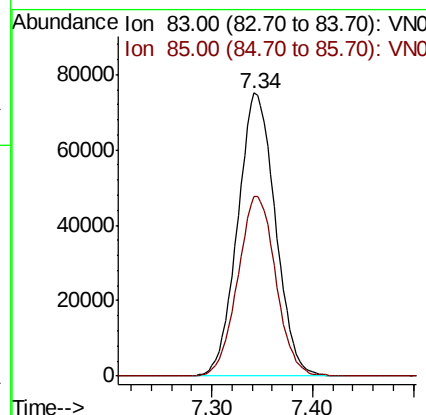
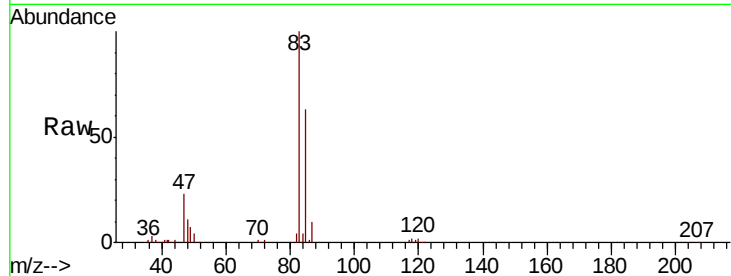




#25
Chloroform
Concen: 22.252 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

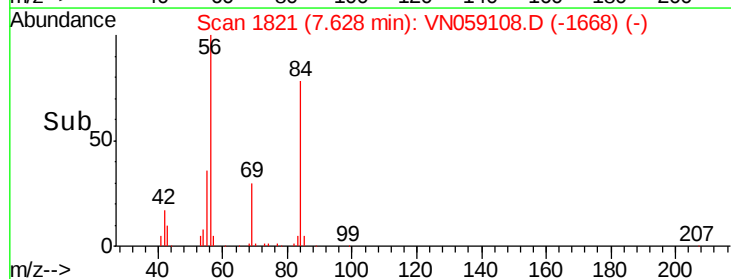
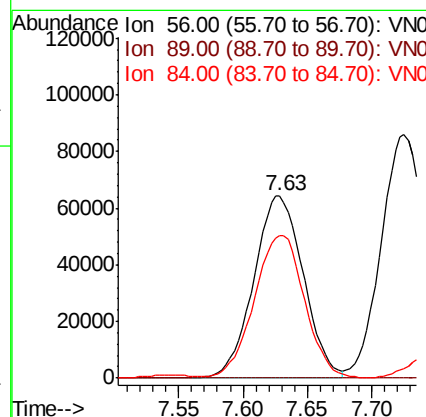
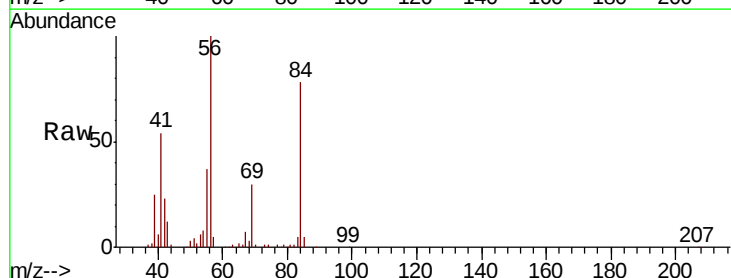
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

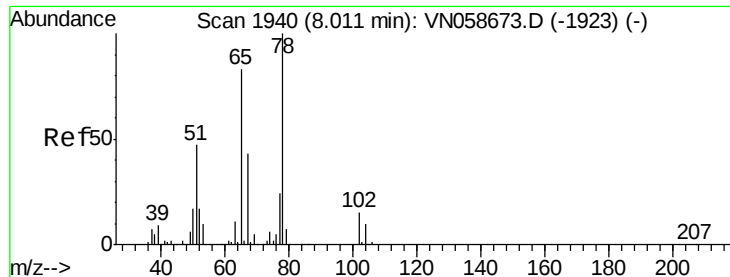
Tot Ion: 83 Resp: 194672
Ion Ratio Lower Upper
83 100
85 63.3 53.8 80.8



#26
Cyclohexane
Concen: 22.343 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 56 Resp: 172028
Ion Ratio Lower Upper
56 100
89 0.1 6.2 9.2#
84 79.6 65.6 98.4

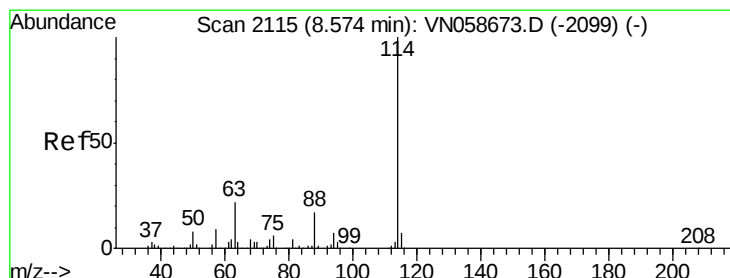
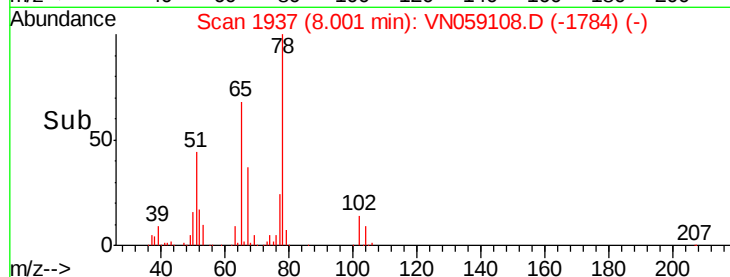
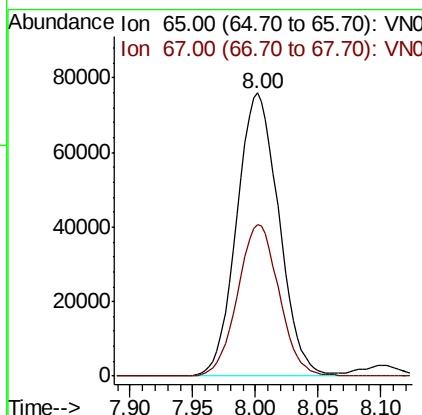
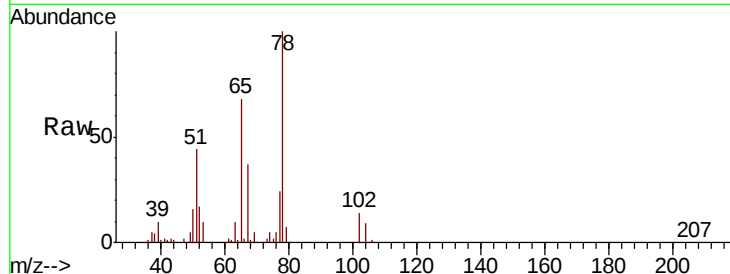




#27
 1,2-Dichloroethane-d4
 Concen: 28.009 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

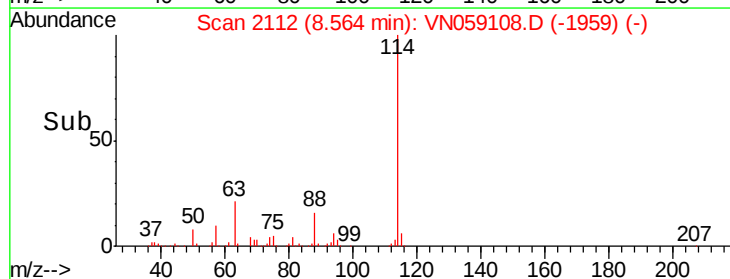
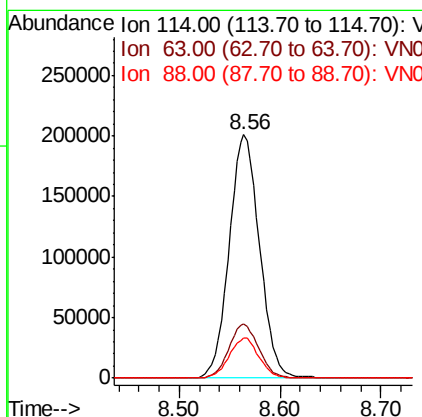
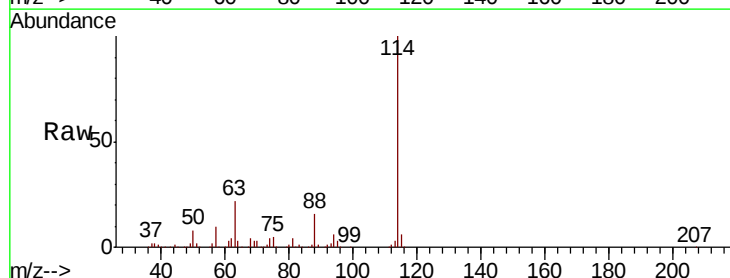
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

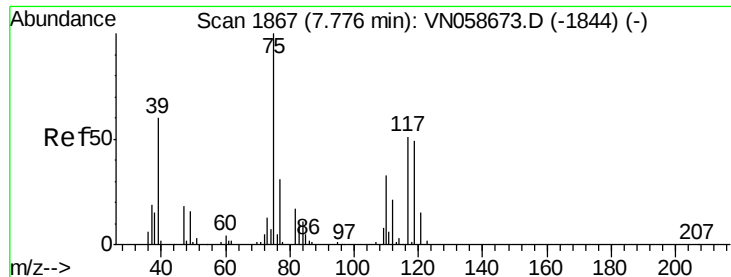
Tot Ion: 65 Resp: 177485
 Ion Ratio Lower Upper
 65 100
 67 52.6 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion: 114 Resp: 420388
 Ion Ratio Lower Upper
 114 100
 63 21.8 18.1 27.1
 88 16.2 13.0 19.4

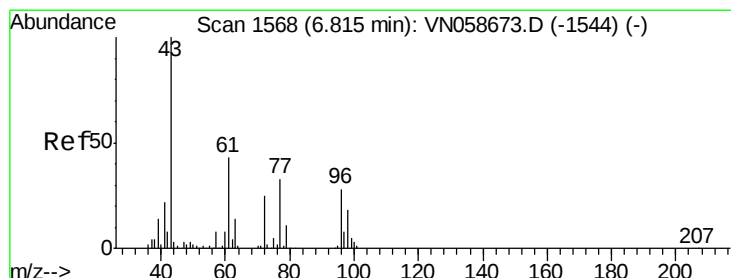
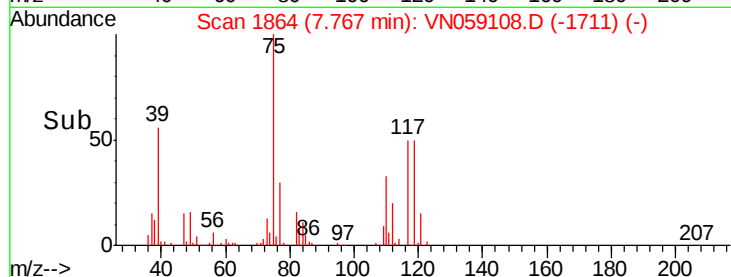
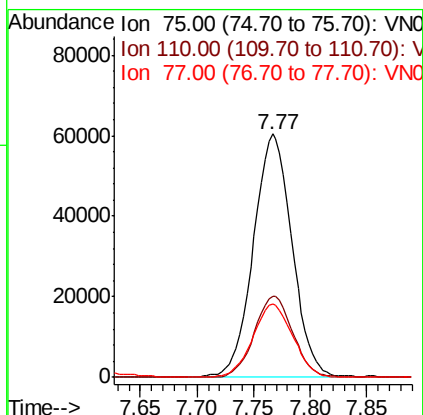
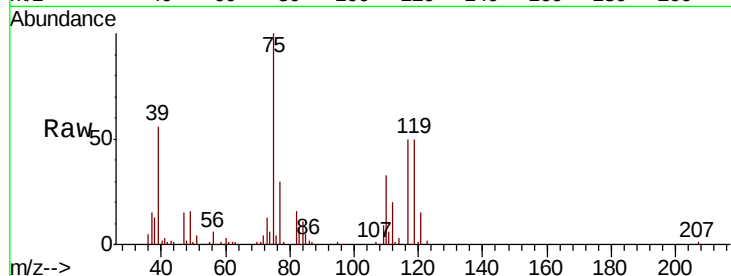




#29
 1,1-Dichloropropene
 Concen: 21.651 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

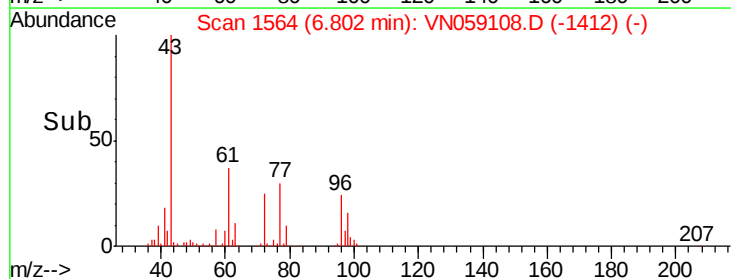
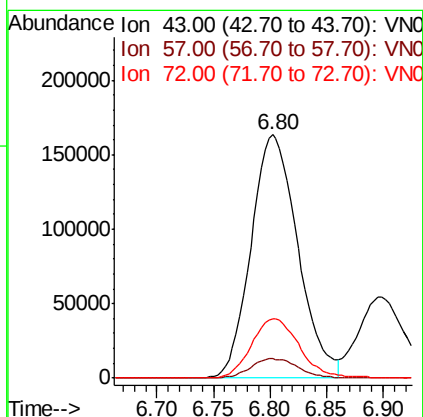
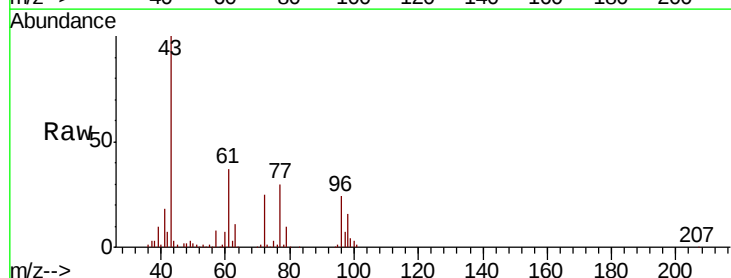
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

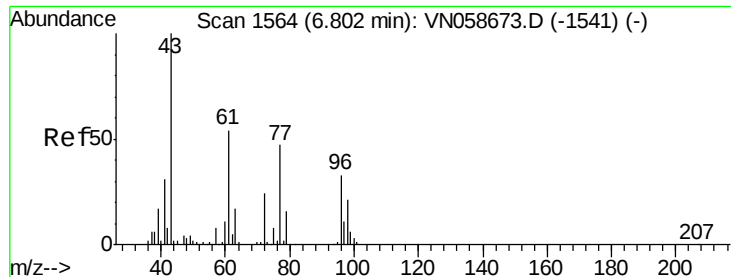
Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	0.0	64.6
77	31.3	0.0	60.8



#30
 2-Butanone
 Concen: 125.160 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.5	9.7
72	25.3	20.1	30.1

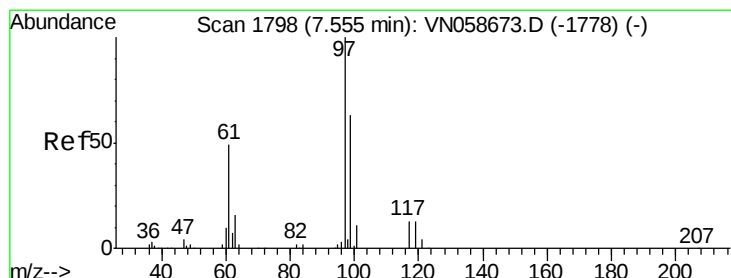
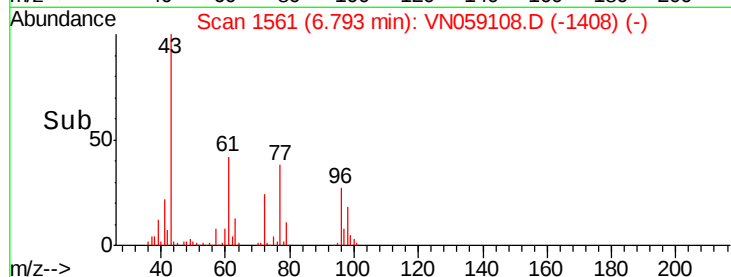
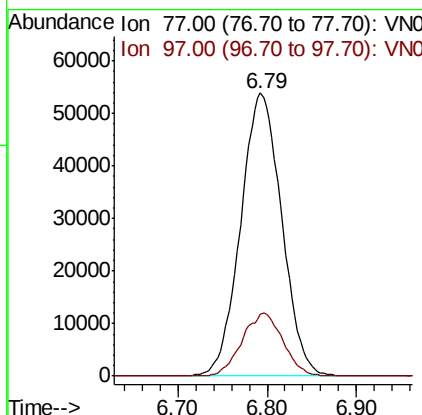
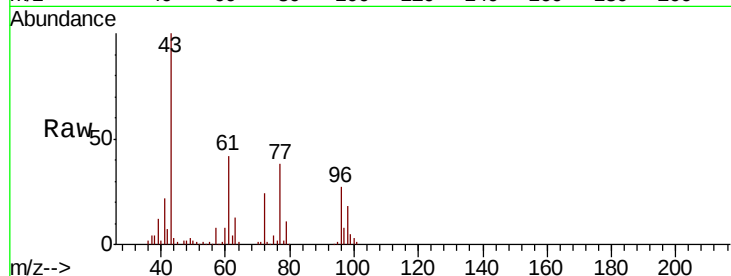




#31
 2,2-Dichloropropane
 Concen: 22.112 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

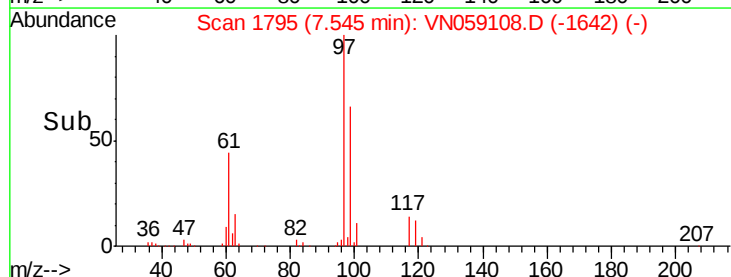
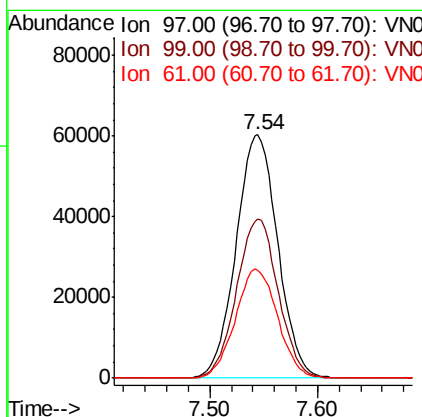
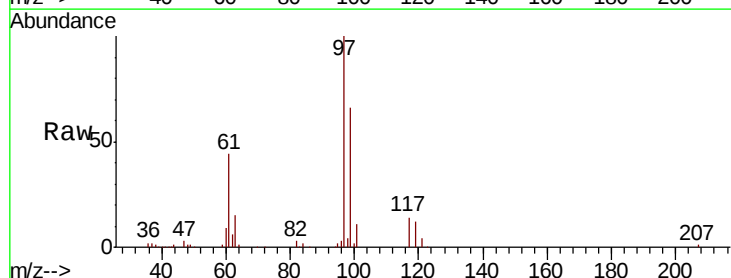
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

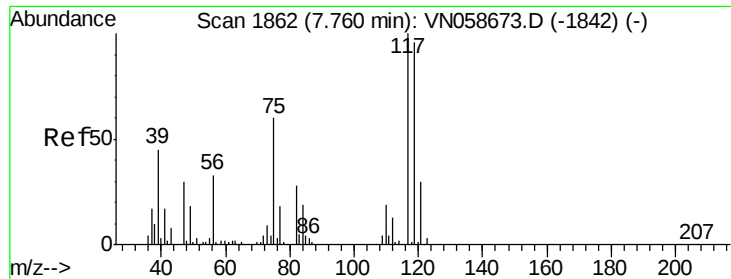
Tot Ion: 77 Resp: 172472
 Ion Ratio Lower Upper
 77 100
 97 22.2 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 21.148 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion: 97 Resp: 161858
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.3 76.9
 61 45.6 38.4 57.6

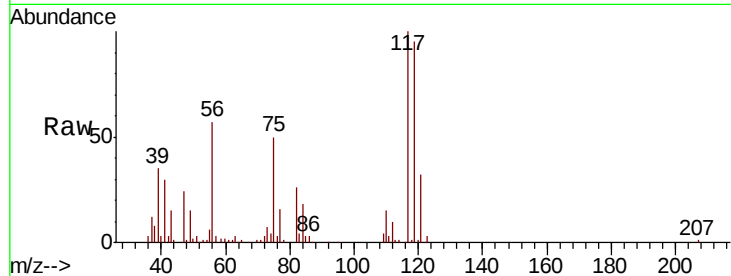




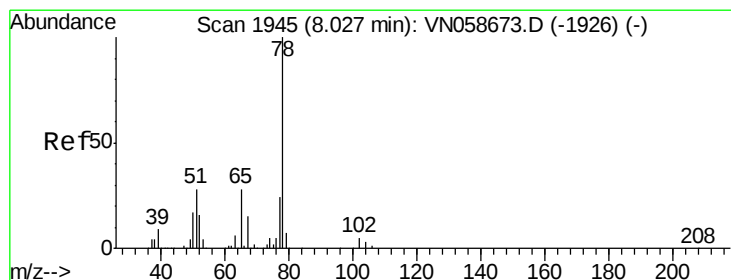
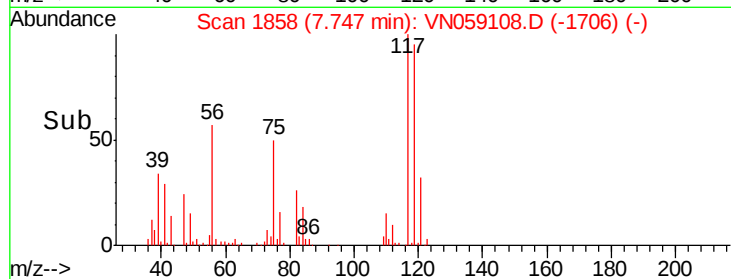
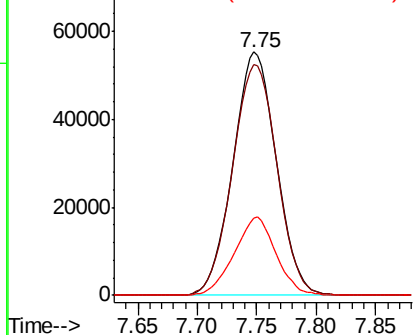
#33
Carbon Tetrachloride
Concen: 21.094 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.9	115.3
121	31.9	23.8	35.8

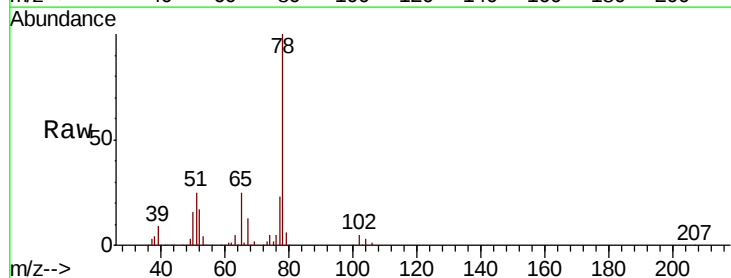


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

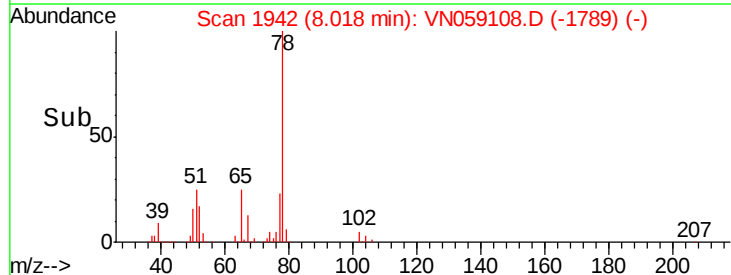
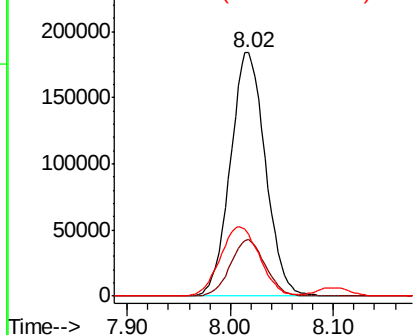


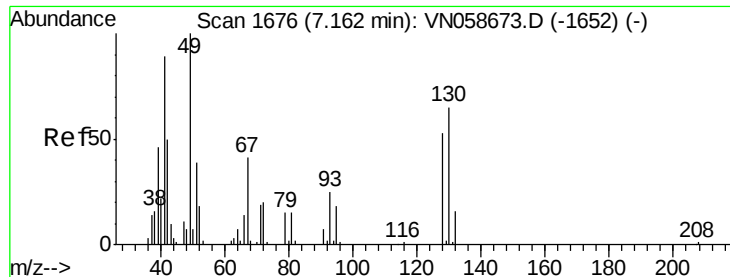
#34
Benzene
Concen: 22.397 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8
51	25.1	22.1	33.1



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

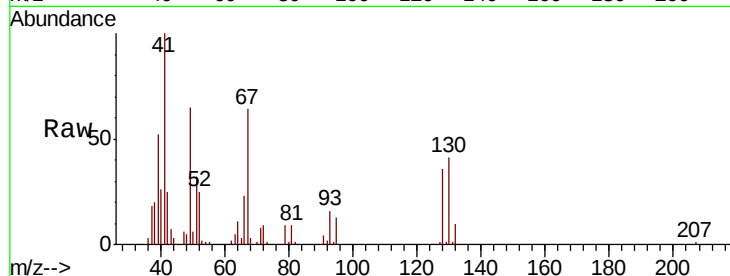




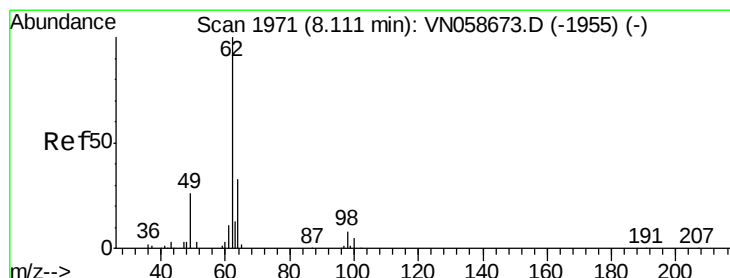
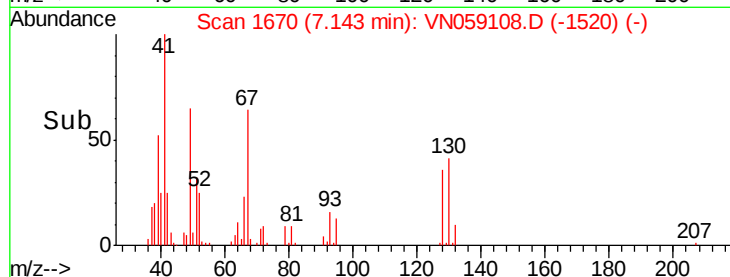
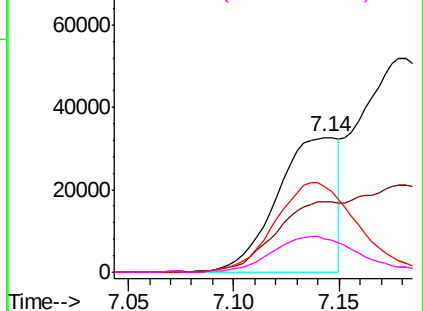
#35
Methacrylonitrile
Concen: 19.716 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.02 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:	41	Resp:	65132
Ion	Ratio	Lower	Upper
41	100		
39	52.8	25.8	77.4
67	64.0	23.0	69.0
52	25.1	10.1	30.1

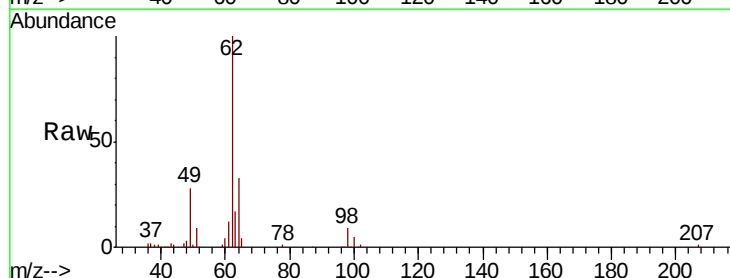


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

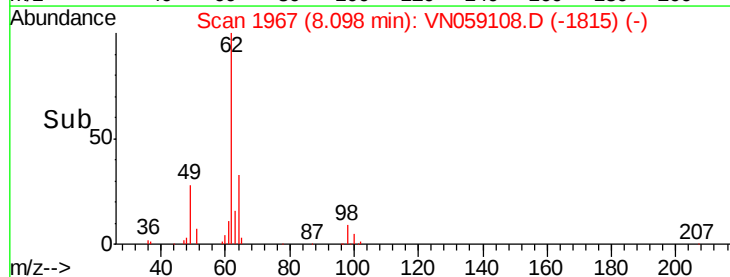
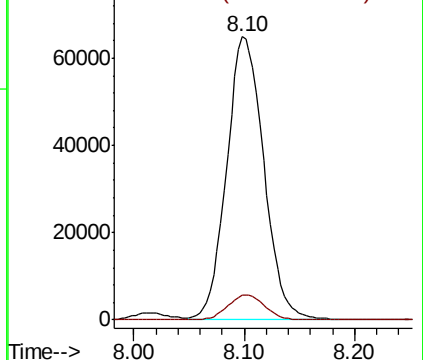


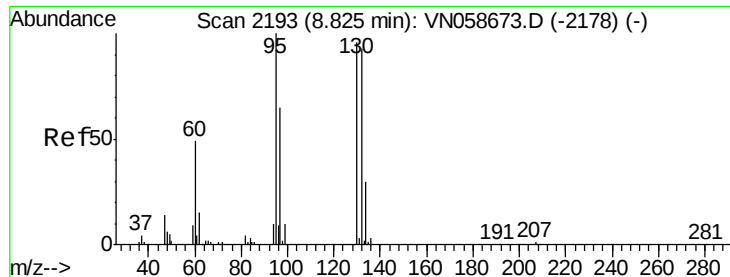
#36
1,2-Dichloroethane
Concen: 20.402 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion:	62	Resp:	151965
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.4	9.6



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 22.210 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

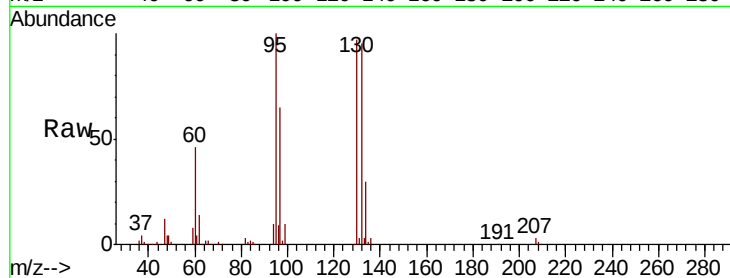
VSTDCCC020

Tot Ion:130 Resp: 106299

Ion Ratio Lower Upper

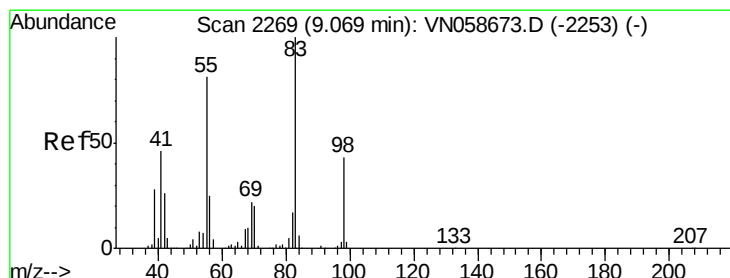
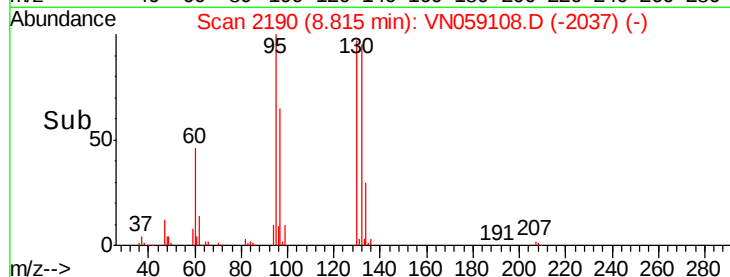
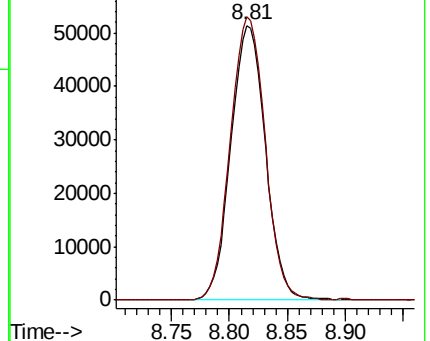
130 100

95 103.0 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 21.498 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

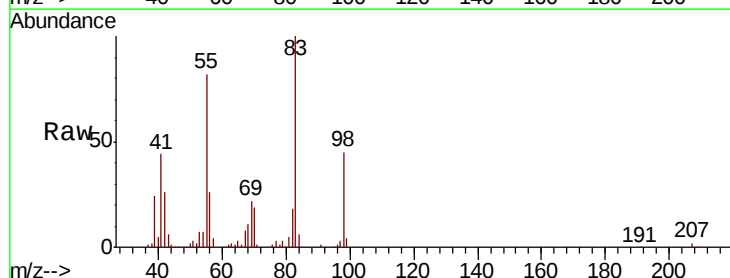
Tgt Ion: 83 Resp: 164946

Ion Ratio Lower Upper

83 100

55 81.2 40.4 121.1

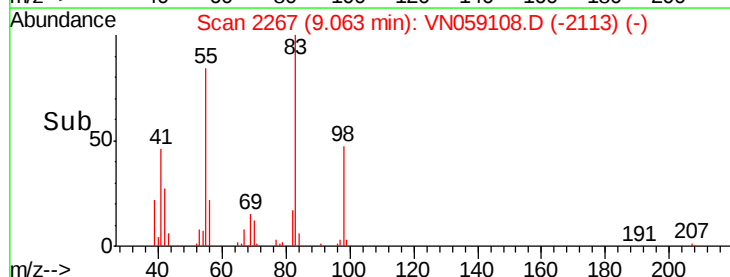
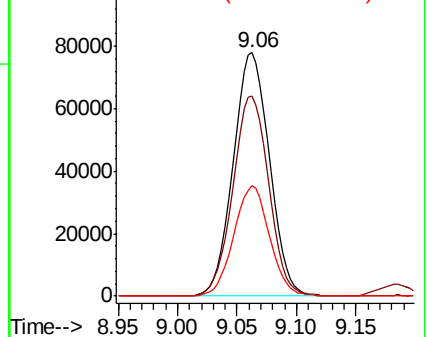
98 44.7 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 22.745 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

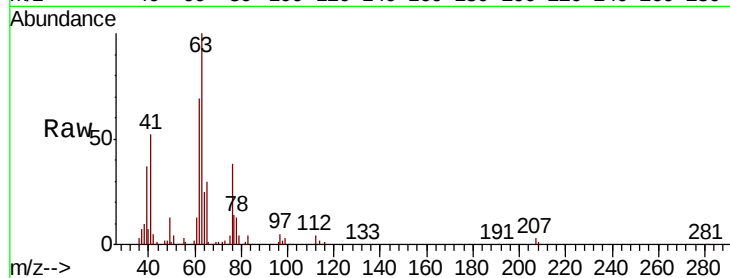
VSTDCCC020

Tot Ion: 63 Resp: 121098

Ion Ratio Lower Upper

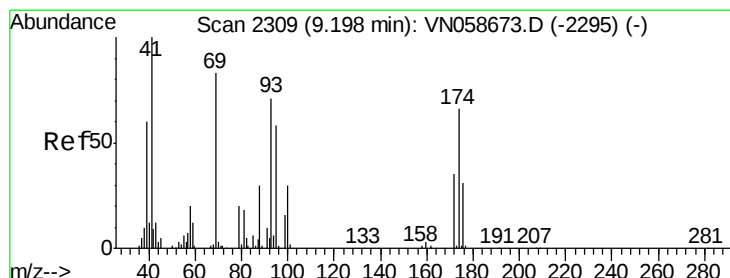
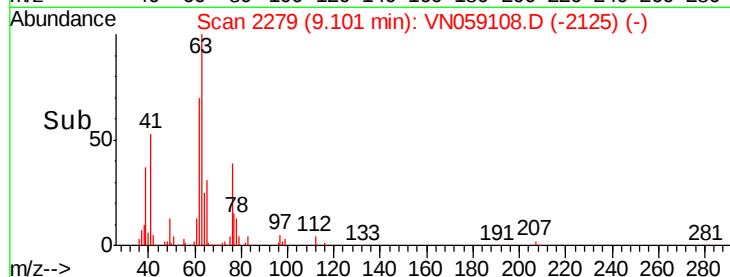
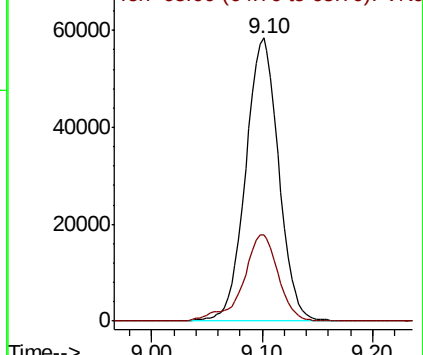
63 100

65 30.5 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.674 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

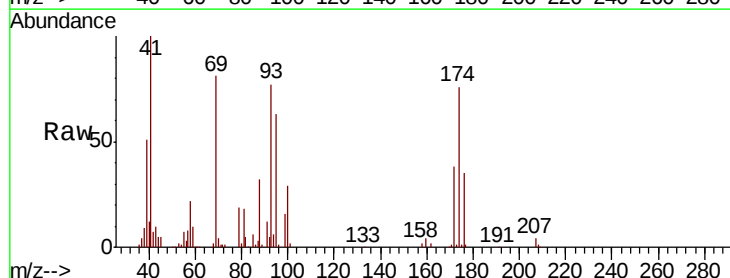
Tgt Ion: 93 Resp: 72848

Ion Ratio Lower Upper

93 100

95 81.3 0.0 167.6

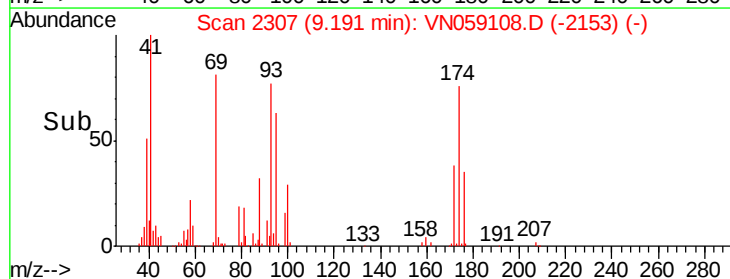
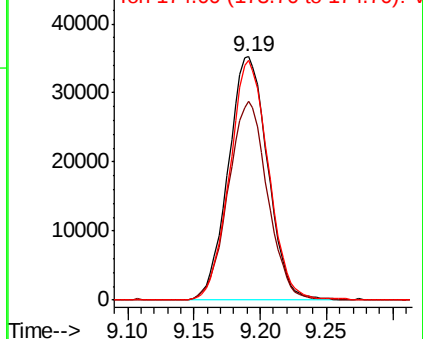
174 96.5 0.0 187.2

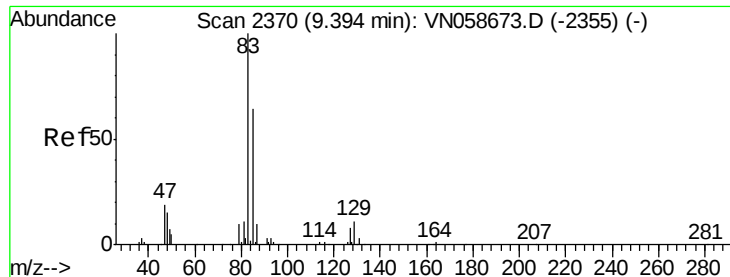


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 21.740 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

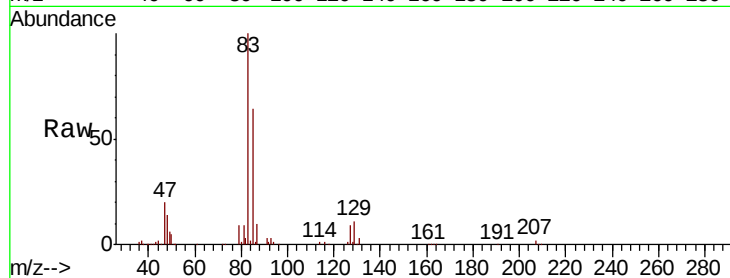
Tot Ion: 83 Resp: 149277

Ion Ratio Lower Upper

83 100

85 64.4 51.0 76.4

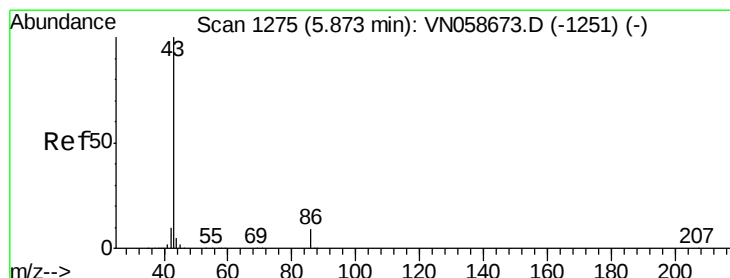
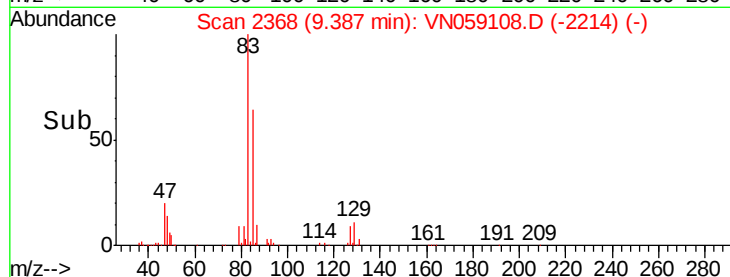
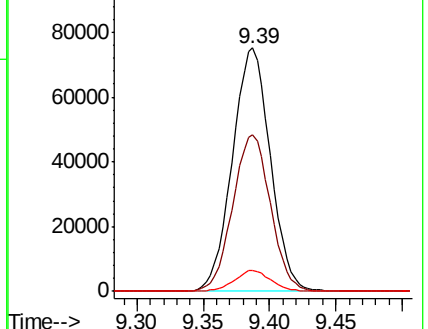
127 8.8 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN059108.D (-1119) (-)

Ion 85.00 (84.70 to 85.70): VN059108.D (-1119) (-)

Ion 127.00 (126.70 to 127.70): VN059108.D (-1119) (-)



#42

Vinyl Acetate

Concen: 113.289 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059108.D

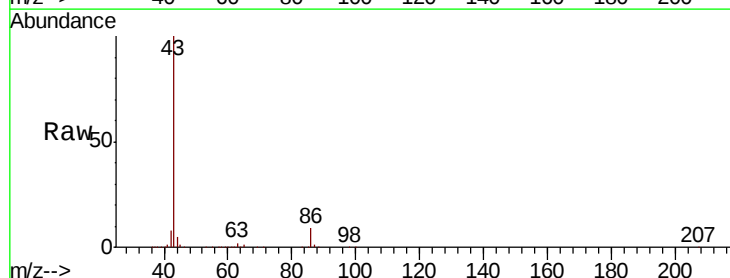
Acq: 7 Nov 2019 8:51

Tgt Ion: 43 Resp: 1483716

Ion Ratio Lower Upper

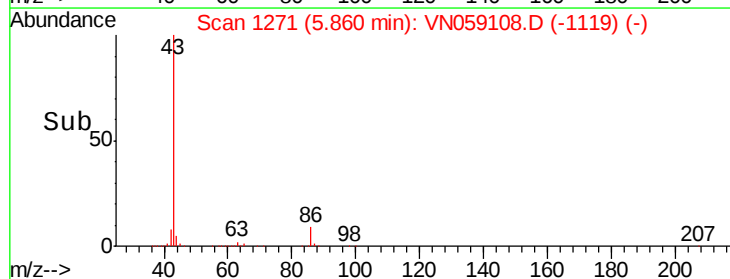
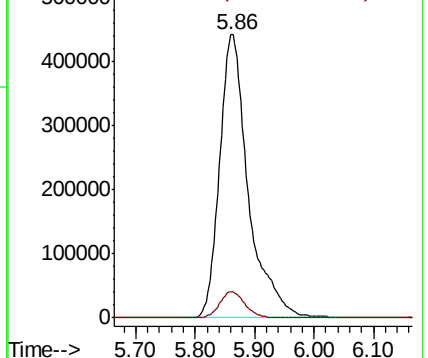
43 100

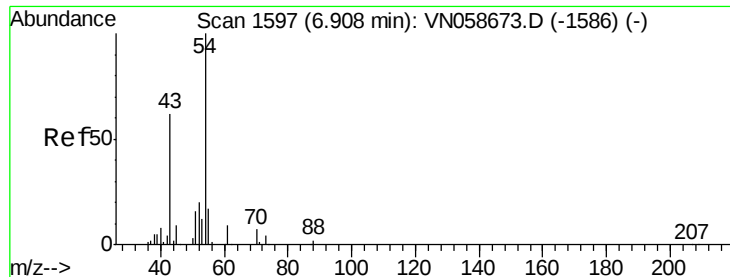
86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN059108.D (-1119) (-)

Ion 86.00 (85.70 to 86.70): VN059108.D (-1119) (-)





#43

Ethyl Acetate

Concen: 20.830 ug/l

RT: 6.90 min Scan# 1594

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

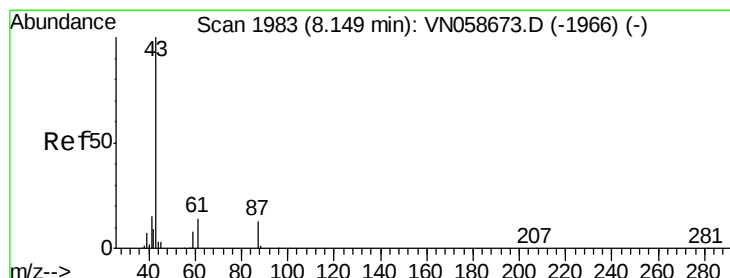
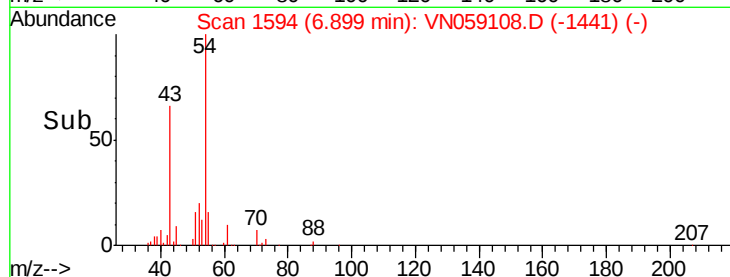
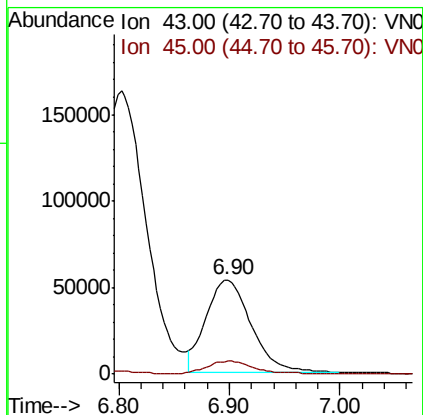
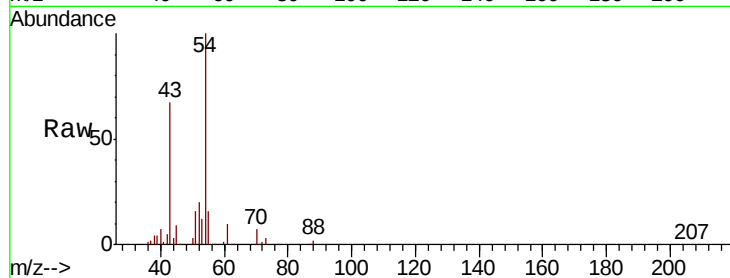
VSTDCCC020

Tot Ion: 43 Resp: 152886

Ion Ratio Lower Upper

43 100

45 15.4 9.7 14.5#



#44

Isopropyl Acetate

Concen: 20.617 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.01 min

Lab File: VN059108.D

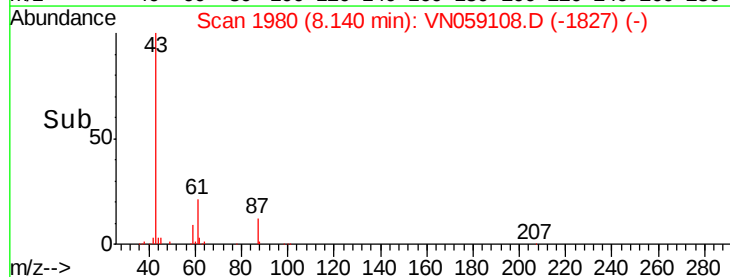
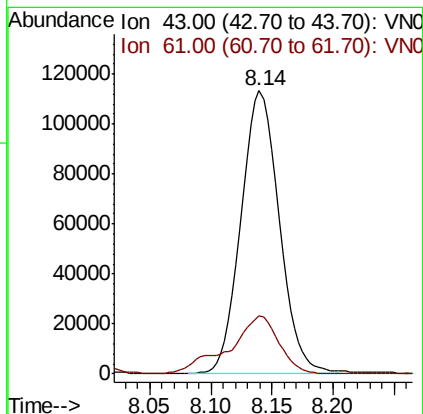
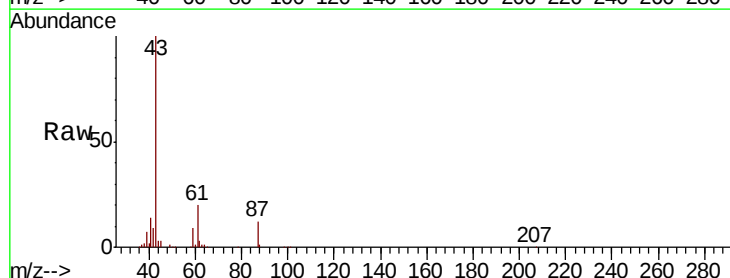
Acq: 7 Nov 2019 8:51

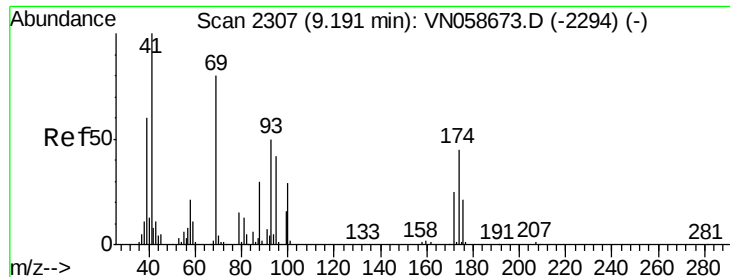
Tgt Ion: 43 Resp: 245112

Ion Ratio Lower Upper

43 100

61 20.4 19.9 29.9



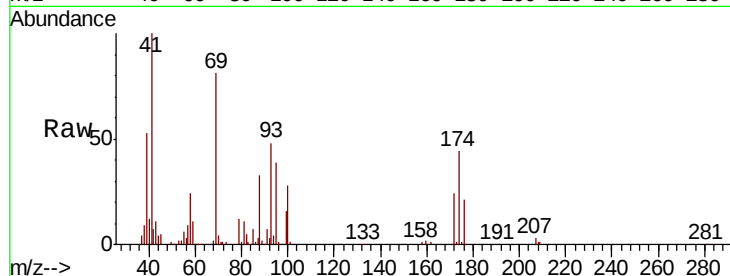


#45
 1,4-Dioxane
 Concen: 442.598 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

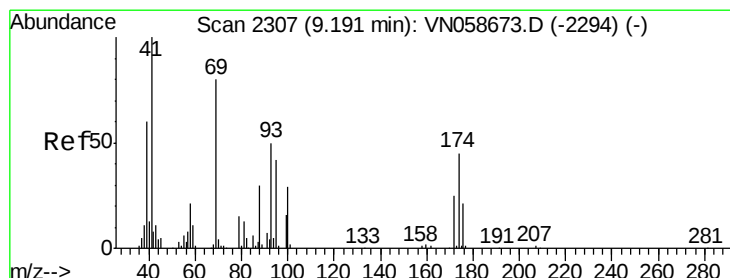
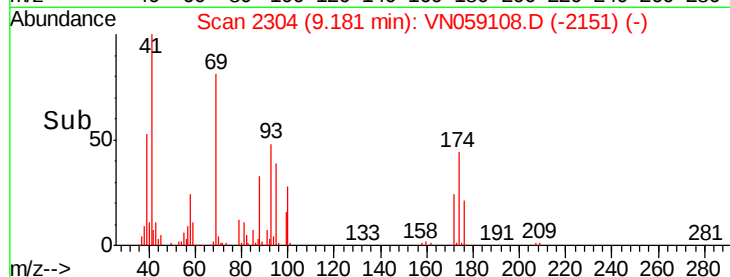
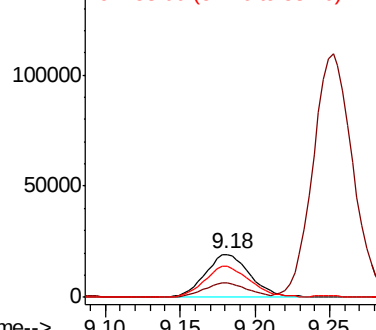
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 40406

Ion	Ratio	Lower	Upper
88	100		
43	31.2	29.8	44.8
58	72.9	58.2	87.4



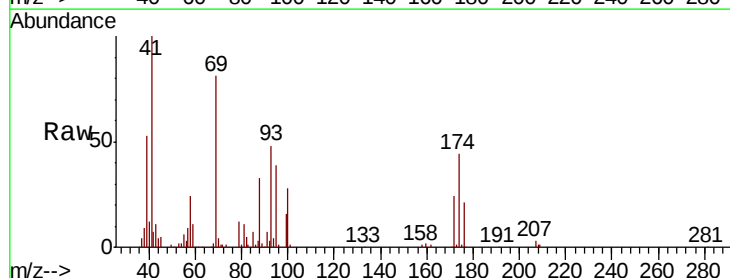
Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO



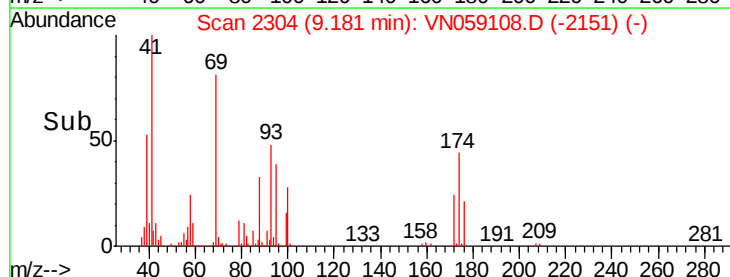
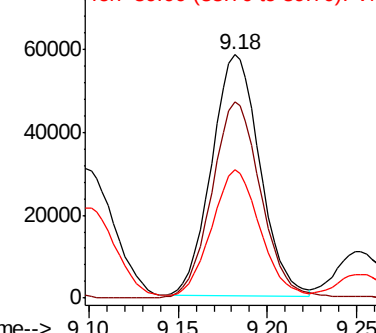
#46
 Methyl methacrylate
 Concen: 20.171 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

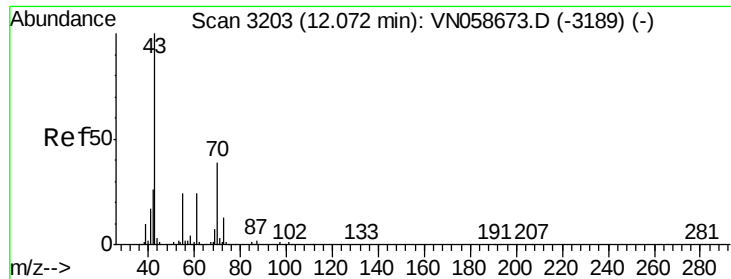
Tgt Ion: 41 Resp: 110096

Ion	Ratio	Lower	Upper
41	100		
69	81.5	40.2	120.5
39	51.9	29.9	89.8



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

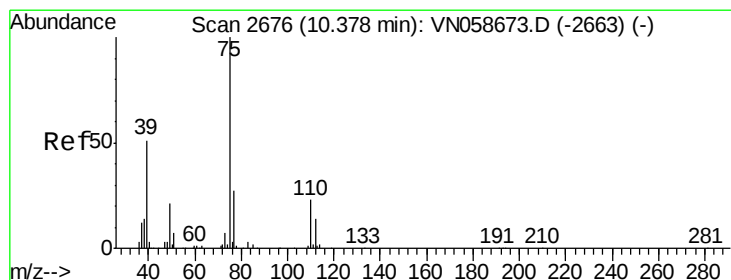
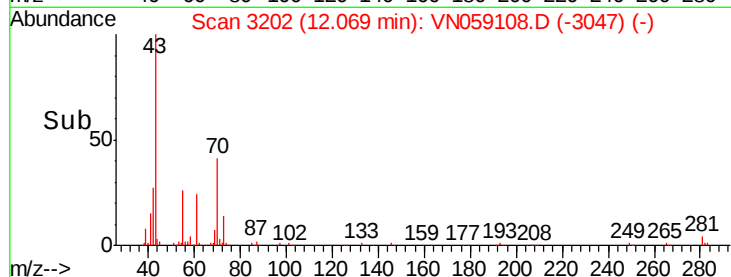
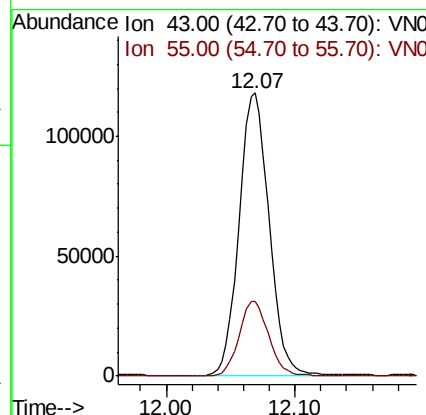
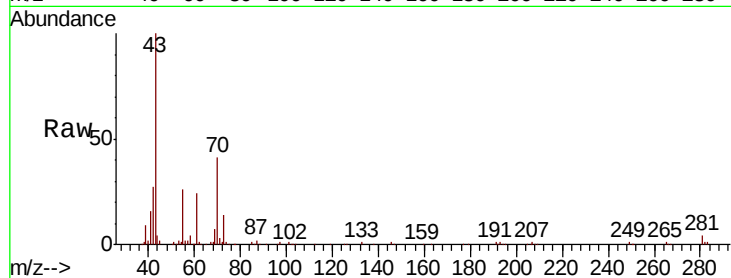




#47
n-amvl Acetate
Concen: 18.072 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

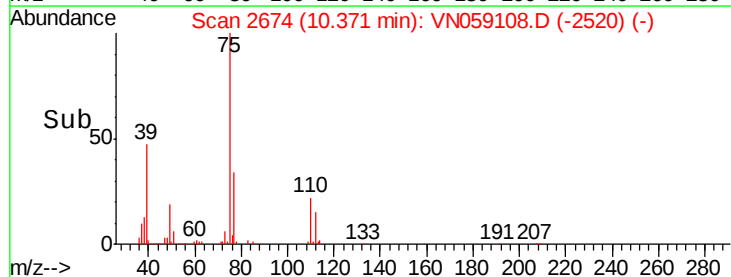
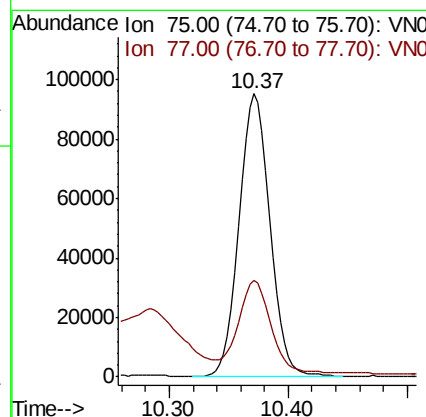
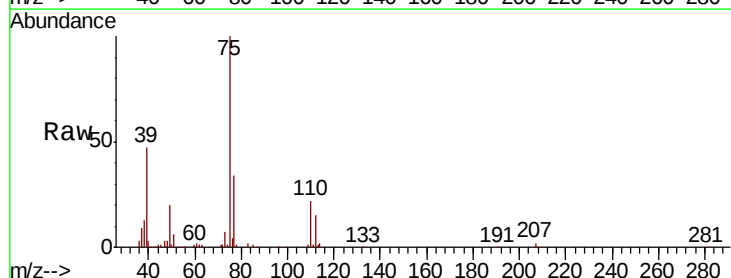
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

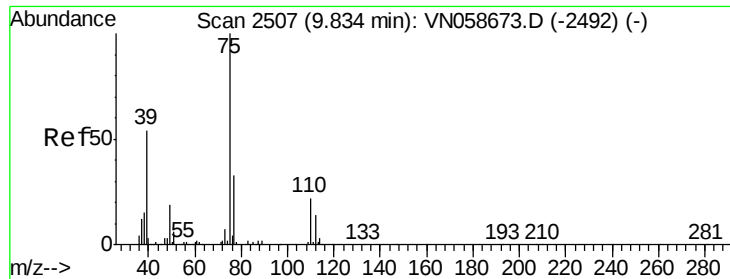
Tot Ion: 43 Resp: 190472
Ion Ratio Lower Upper
43 100
55 26.2 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 21.528 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 75 Resp: 171434
Ion Ratio Lower Upper
75 100
77 32.8 27.0 40.4



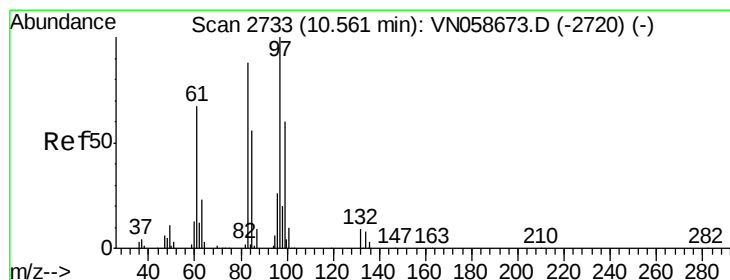
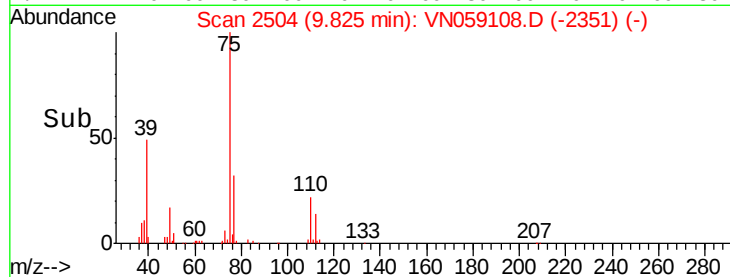
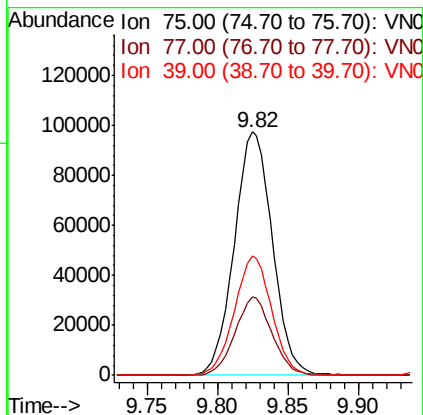
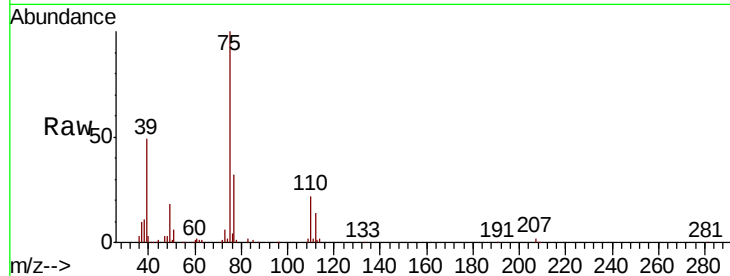


#49

cis-1,3-Dichloropropene
 Concen: 22.075 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

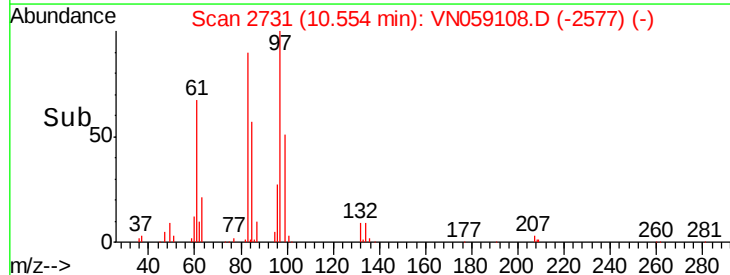
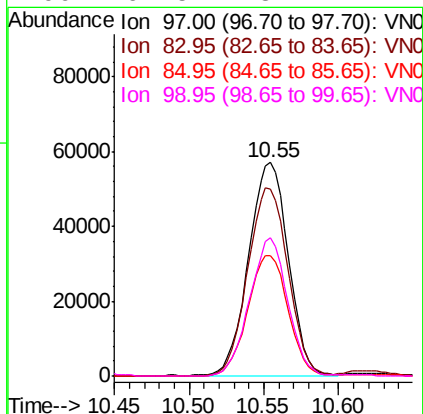
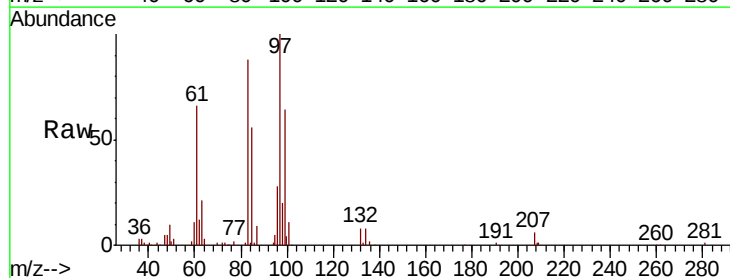
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.1	39.1
39	48.8	43.1	64.7

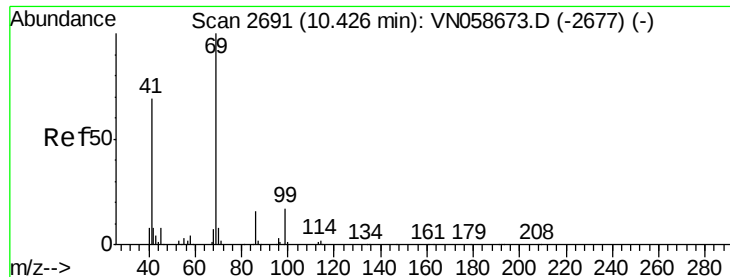


#50

1,1,2-Trichloroethane
 Concen: 22.060 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	56.1	45.1	67.7
99	64.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 20.206 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

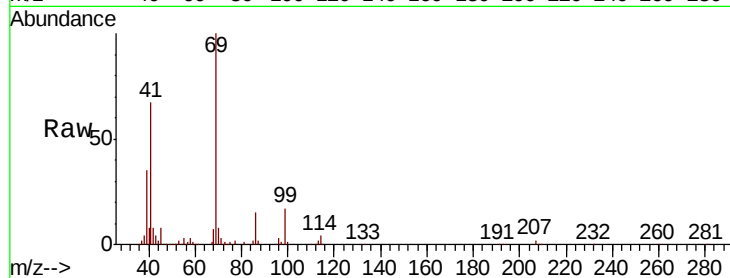
Tot Ion: 69 Resp: 155029

Ion Ratio Lower Upper

69 100

41 67.0 34.7 104.1

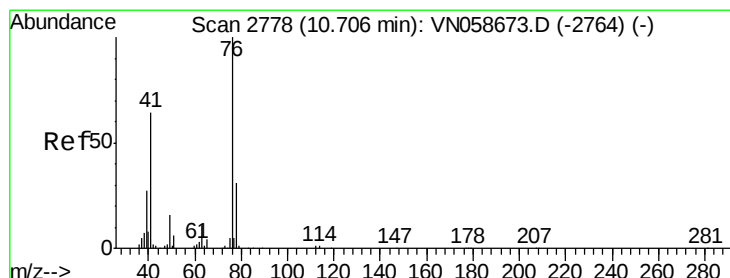
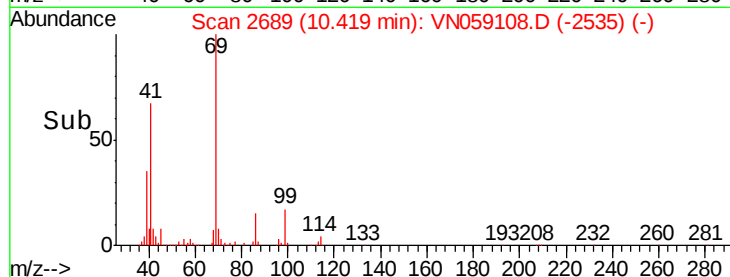
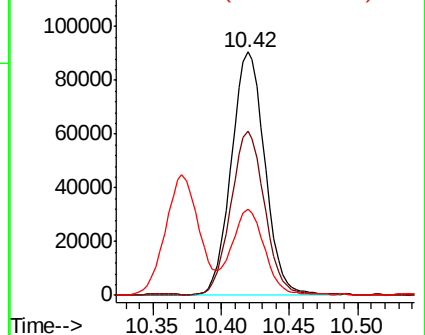
39 34.7 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN058673.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN058673.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN058673.D (-2677) (-)



#52

1,3-Dichloropropane

Concen: 21.682 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.01 min

Lab File: VN059108.D

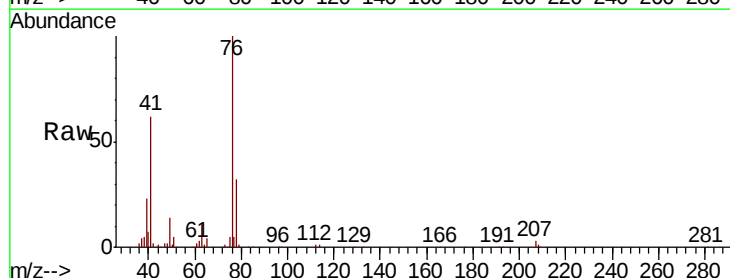
Acq: 7 Nov 2019 8:51

Tgt Ion: 76 Resp: 185269

Ion Ratio Lower Upper

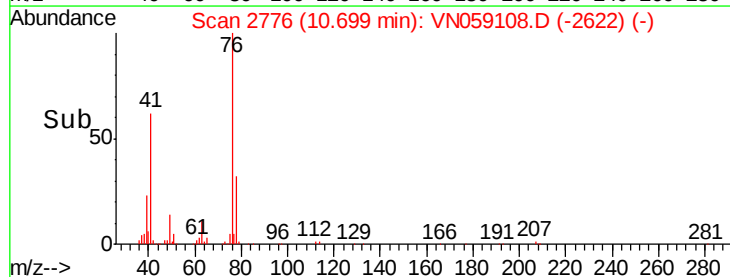
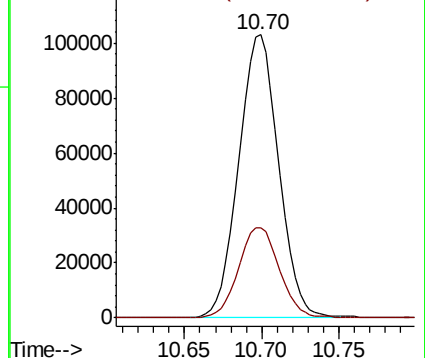
76 100

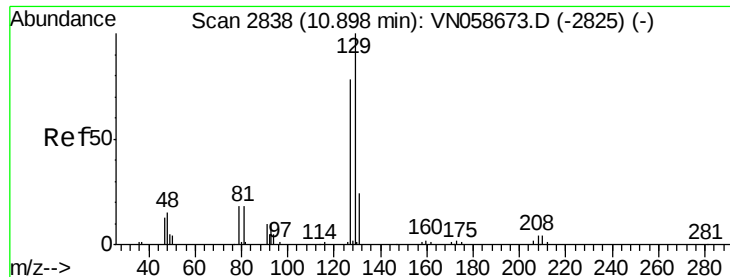
78 32.4 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN058673.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN058673.D (-2764) (-)





#53

Dibromochloromethane

Concen: 21.896 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

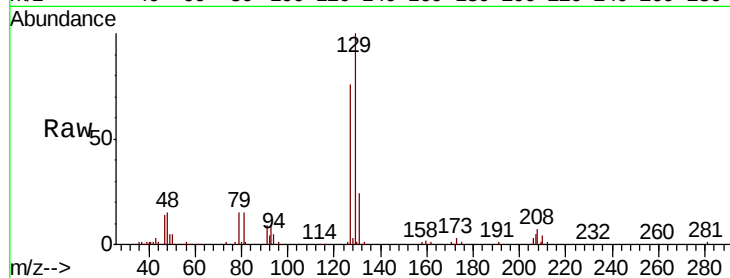
VSTDCCC020

Tot Ion:129 Resp: 112746

Ion Ratio Lower Upper

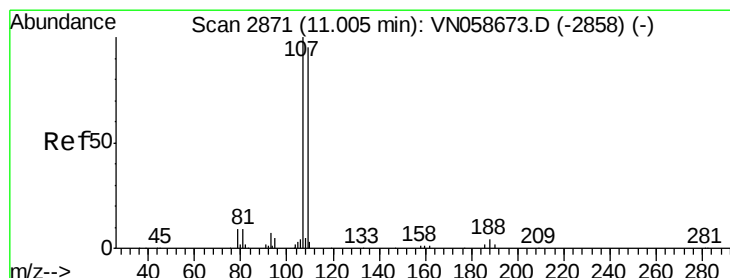
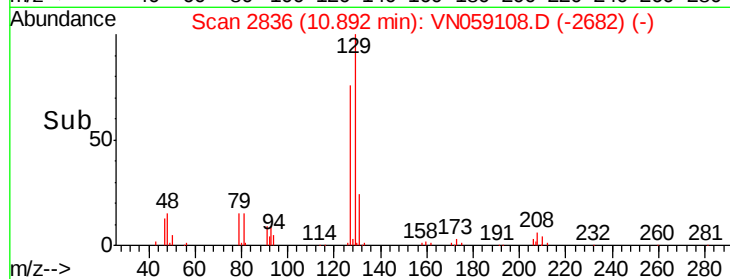
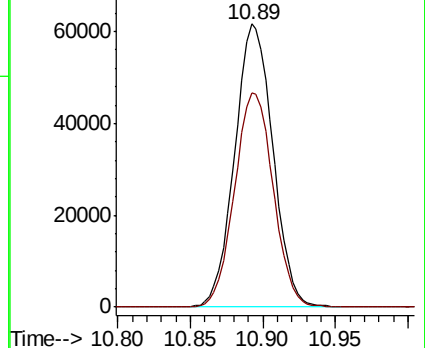
129 100

127 76.5 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.294 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. -0.01 min

Lab File: VN059108.D

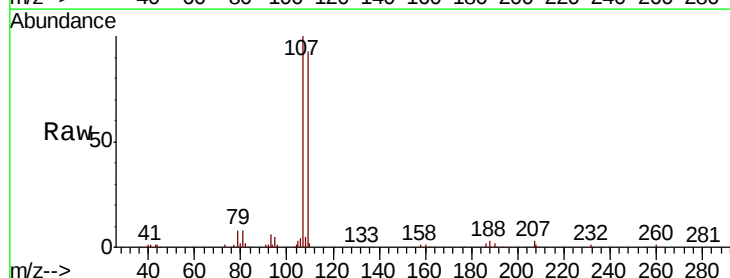
Acq: 7 Nov 2019 8:51

Tgt Ion:107 Resp: 105899

Ion Ratio Lower Upper

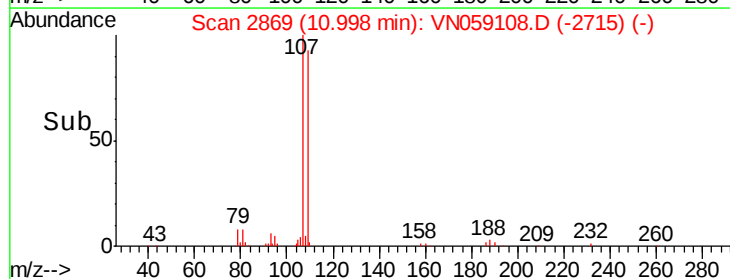
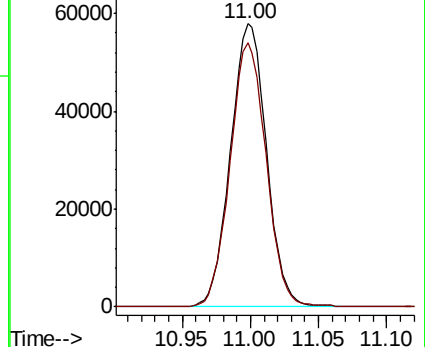
107 100

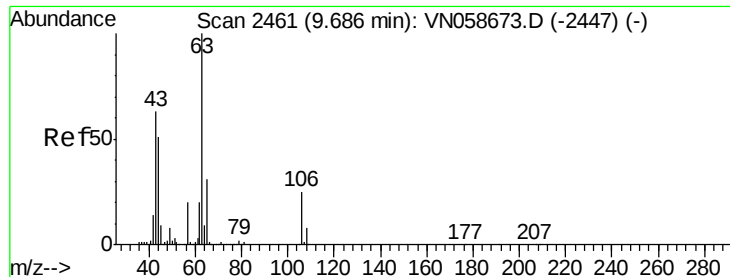
109 93.7 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

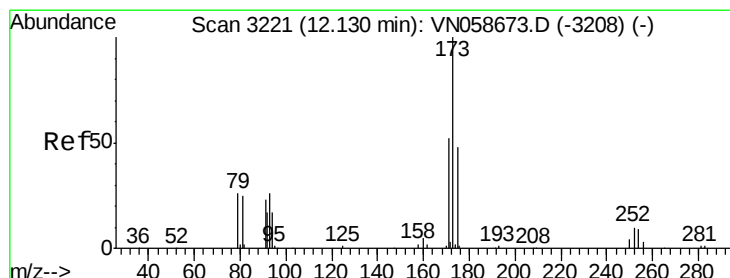
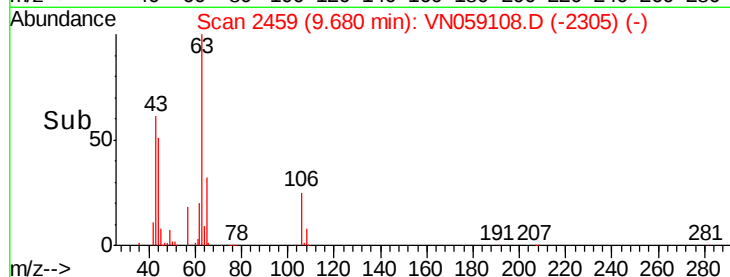
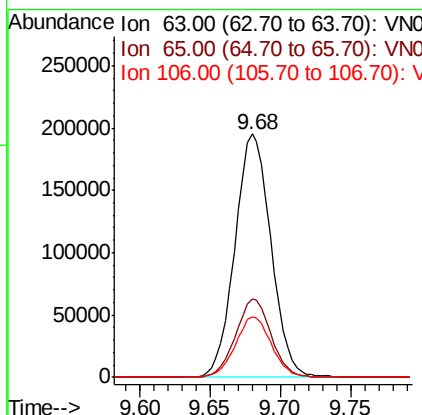
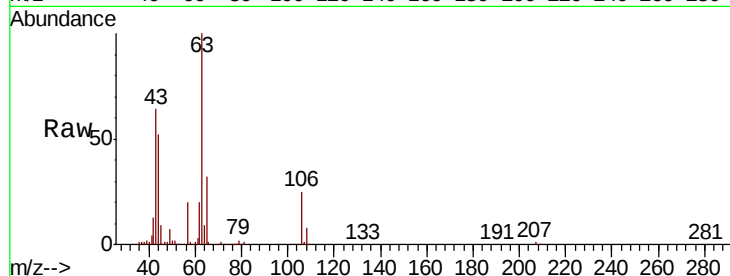




#55
 2-Chloroethyl vinyl ether
 Concen: 91.561 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

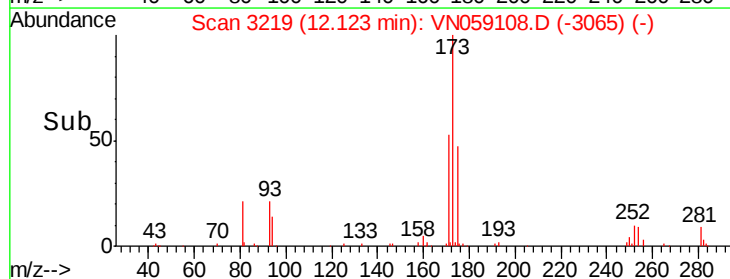
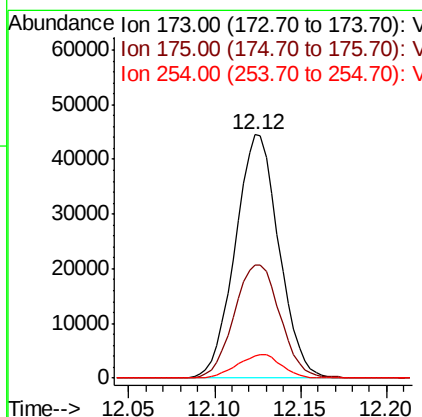
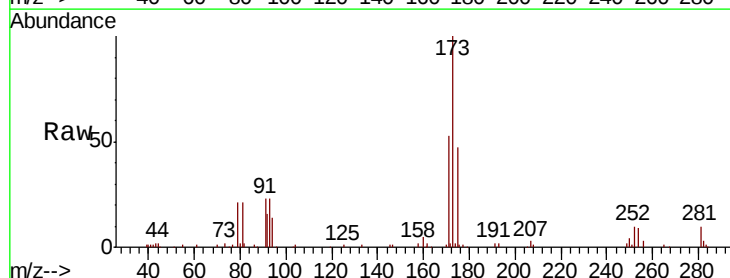
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

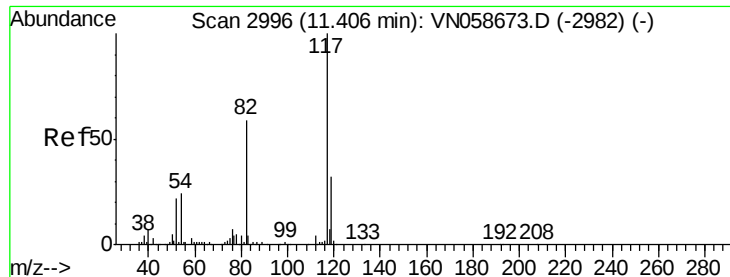
Tot Ion: 63 Resp: 349434
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.3 37.9
 106 24.9 19.8 29.6



#56
 Bromoform
 Concen: 21.977 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion: 173 Resp: 78832
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.7 58.1
 254 9.6 7.4 11.2

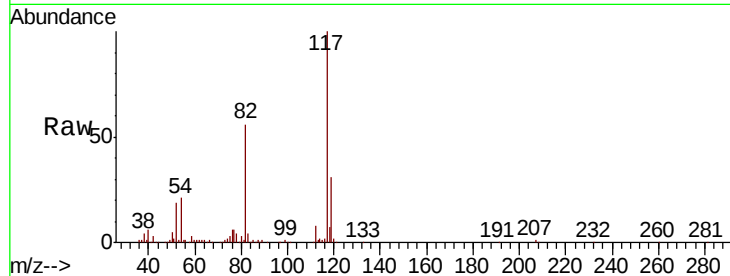




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.9	70.3
119	31.6	25.8	38.6

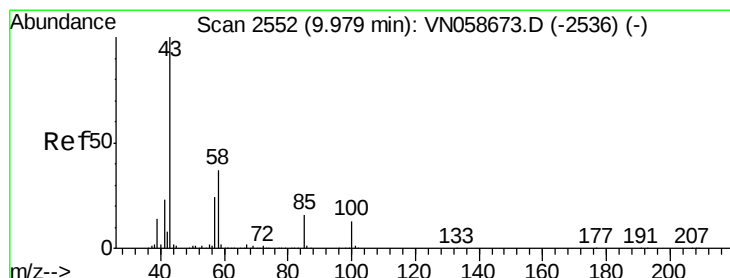
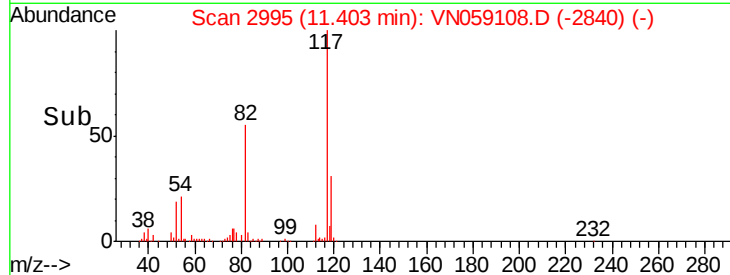
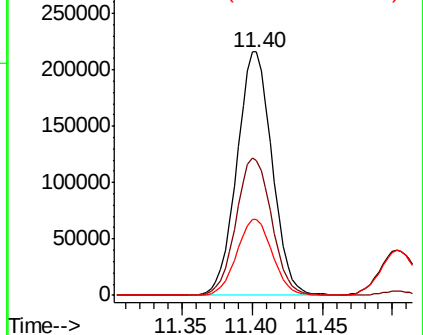


Abundance

Ion 117.00 (116.70 to 117.70): V

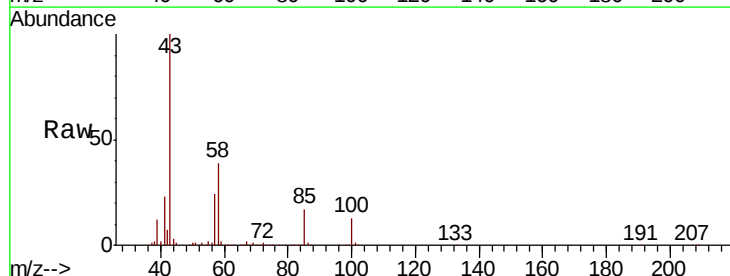
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 110.610 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.9	30.1	45.1
85	16.8	13.2	19.8

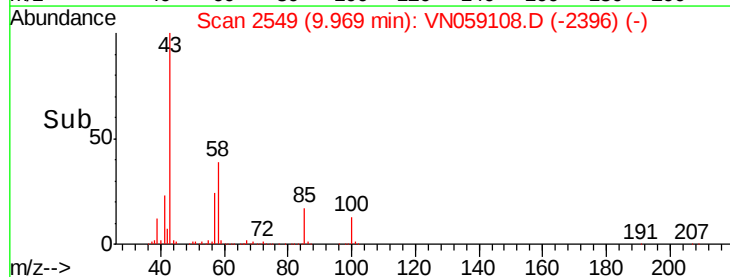
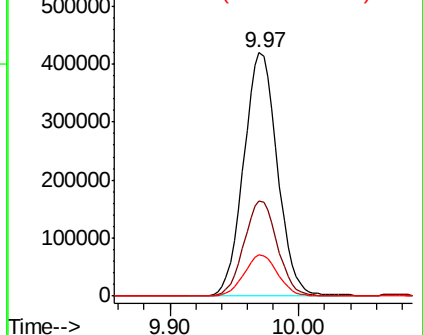


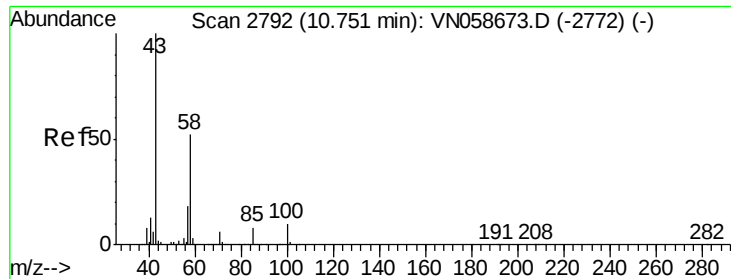
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

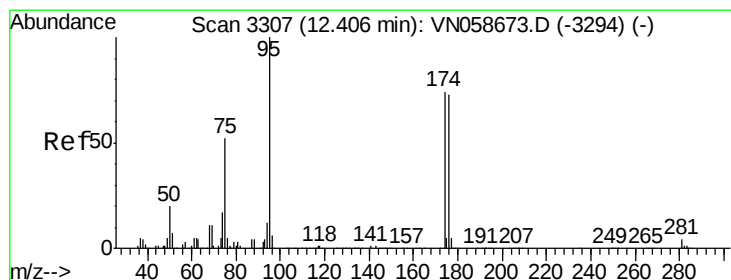
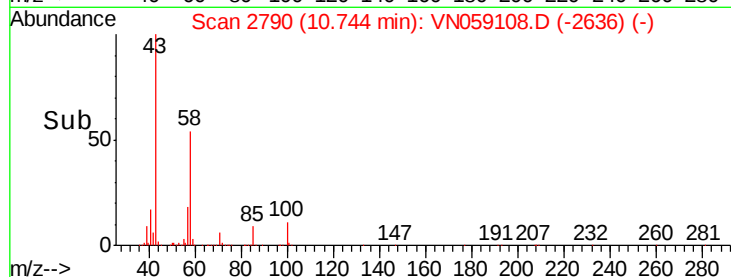
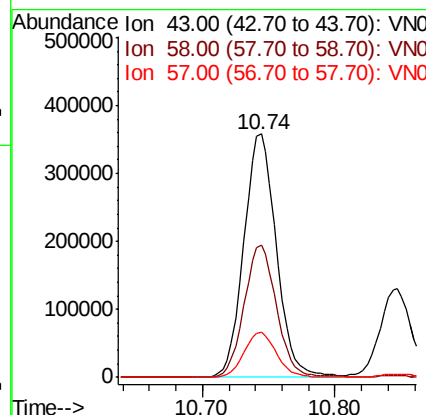
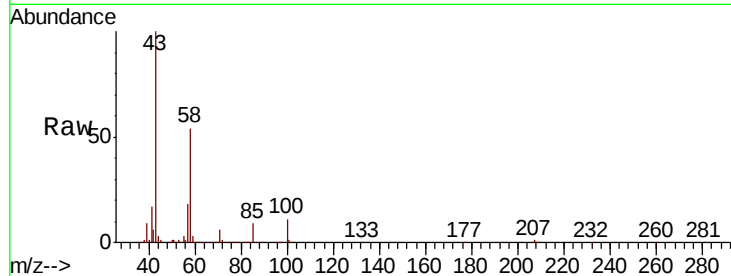




#59
2-Hexanone
Concen: 112.921 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

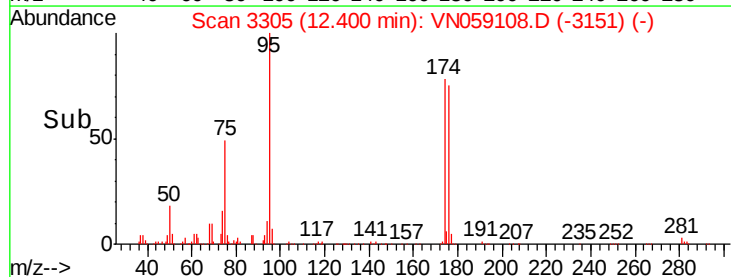
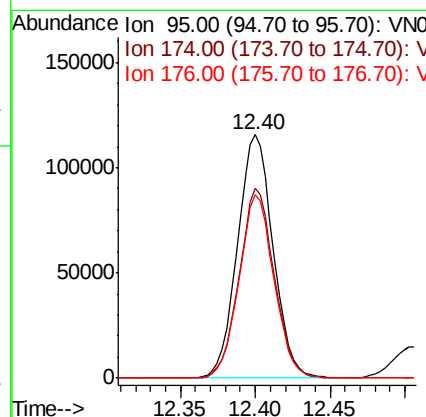
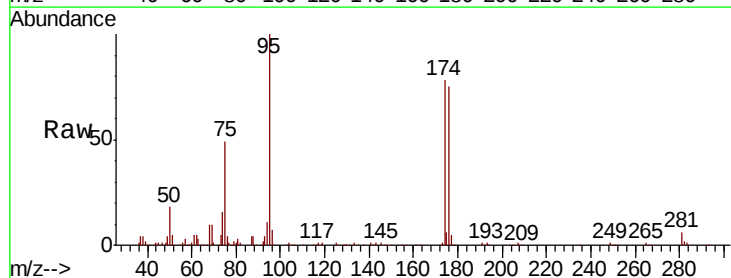
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

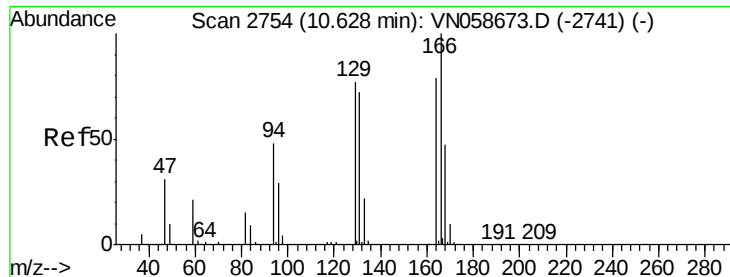
Tot Ion: 43 Resp: 610385
Ion Ratio Lower Upper
43 100
58 54.2 41.4 62.0
57 18.6 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 28.886 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 95 Resp: 190979
Ion Ratio Lower Upper
95 100
174 77.0 59.9 89.9
176 74.5 58.3 87.5





#61

Tetrachloroethene

Concen: 23.255 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 94980

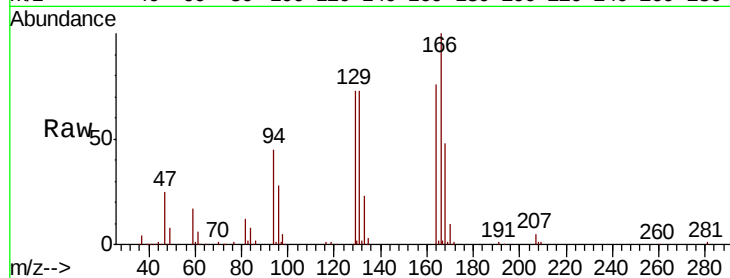
Ion Ratio Lower Upper

164 100

166 131.6 101.4 152.2

129 96.4 78.1 117.1

131 95.5 73.2 109.8

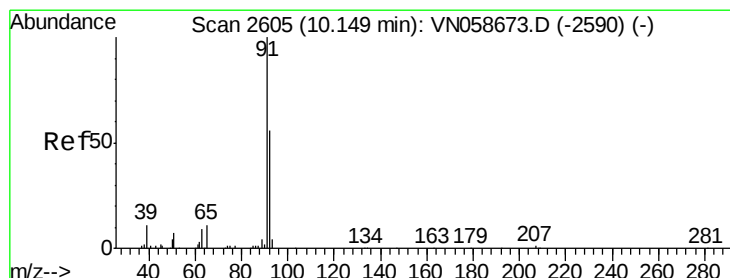
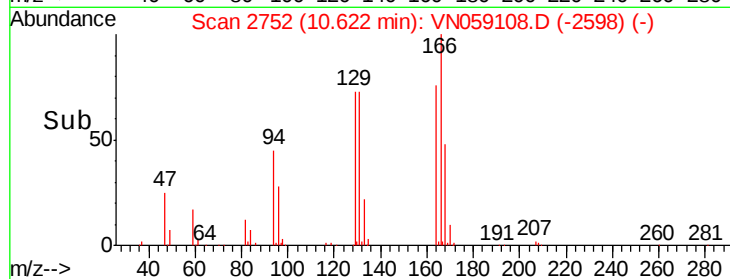
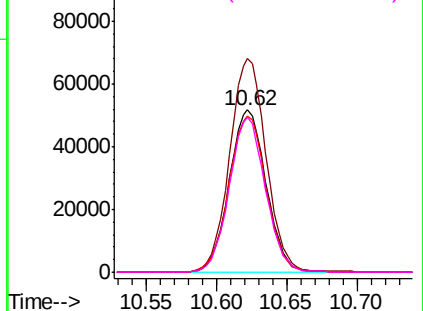


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 22.332 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.01 min

Lab File: VN059108.D

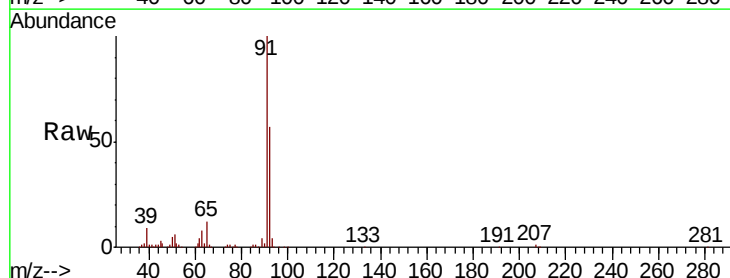
Acq: 7 Nov 2019 8:51

Tgt Ion: 91 Resp: 454022

Ion Ratio Lower Upper

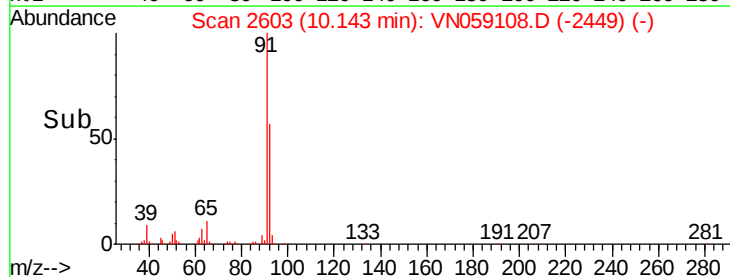
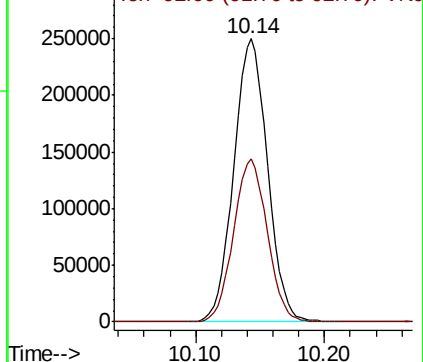
91 100

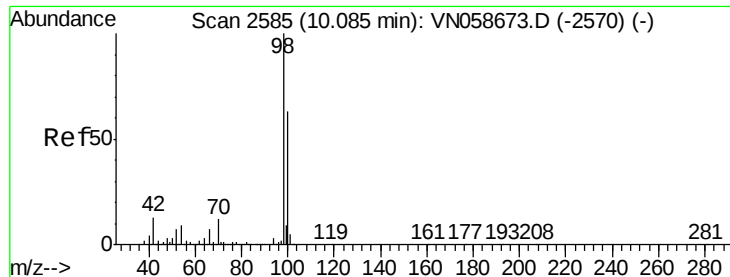
92 57.6 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.779 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

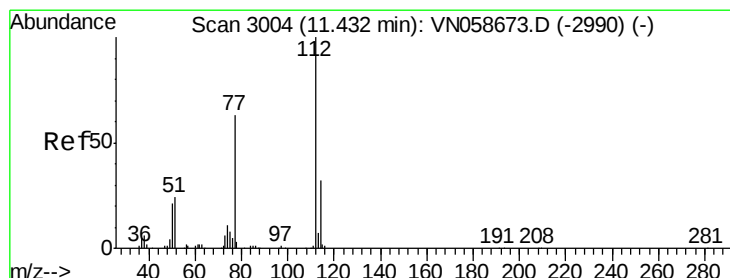
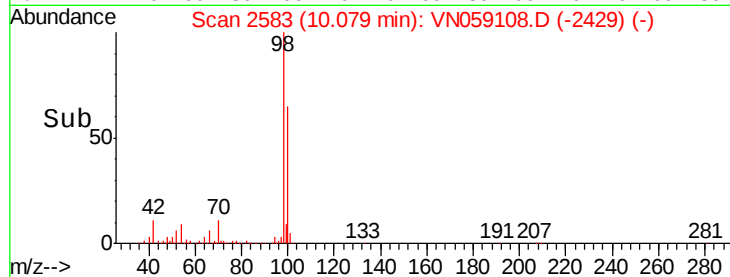
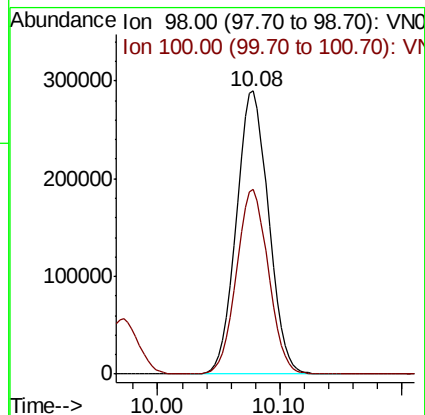
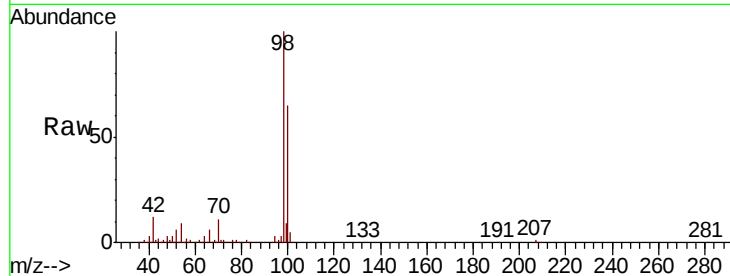
VSTDCCC020

Tot Ion: 98 Resp: 531431

Ion Ratio Lower Upper

98 100

100 64.2 50.6 75.8



#64

Chlorobenzene

Concen: 22.341 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.01 min

Lab File: VN059108.D

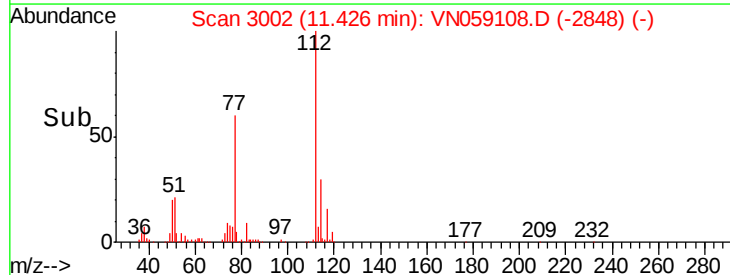
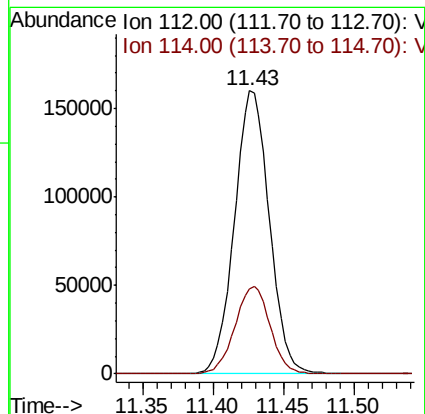
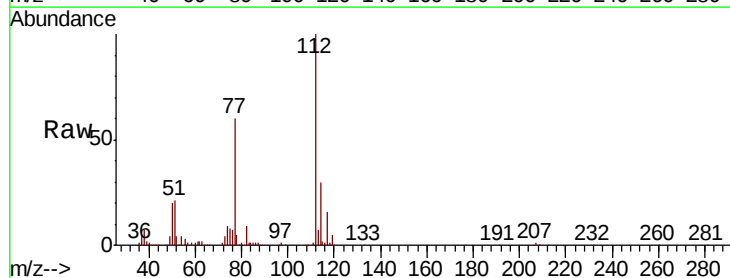
Acq: 7 Nov 2019 8:51

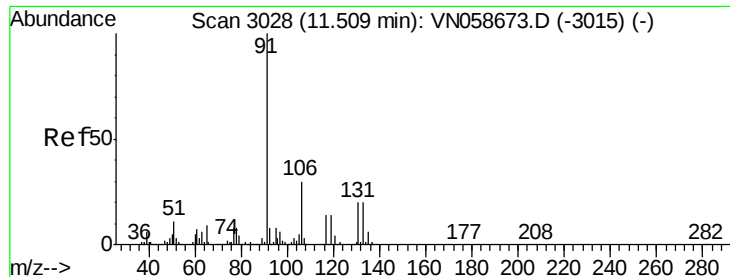
Tgt Ion: 112 Resp: 277695

Ion Ratio Lower Upper

112 100

114 30.1 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 22.337 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

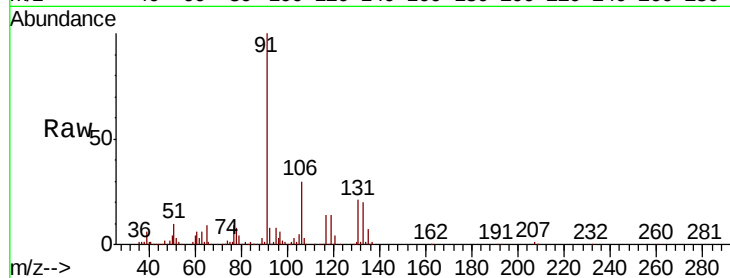
Tot Ion:131 Resp: 104106

Ion Ratio Lower Upper

131 100

133 94.4 0.0 194.0

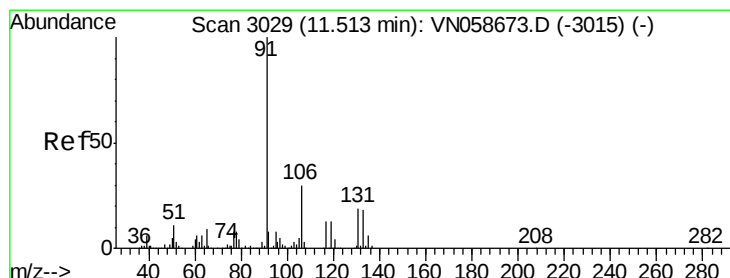
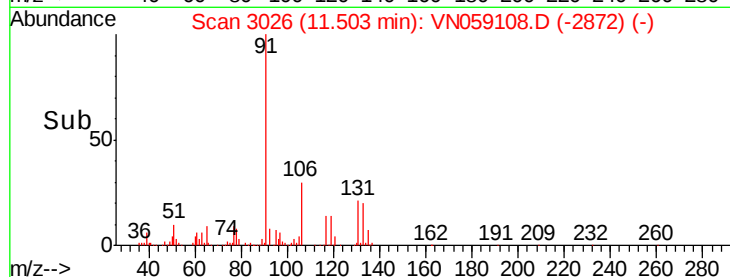
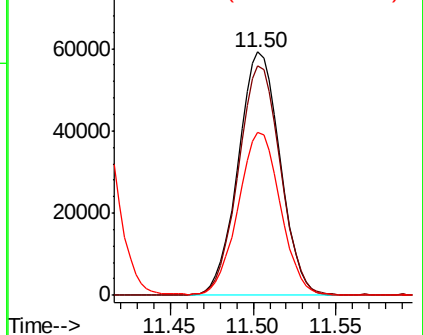
119 67.7 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 22.066 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.01 min

Lab File: VN059108.D

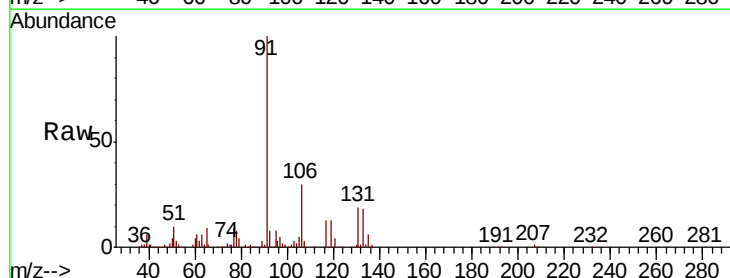
Acq: 7 Nov 2019 8:51

Tgt Ion: 91 Resp: 496738

Ion Ratio Lower Upper

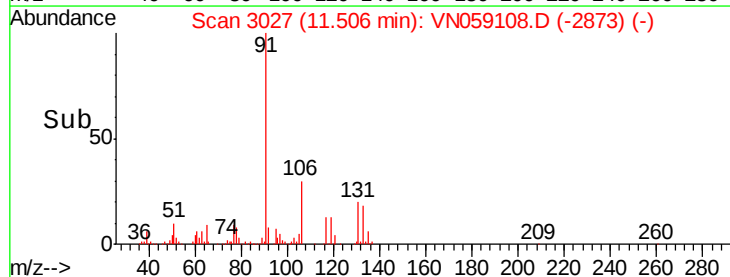
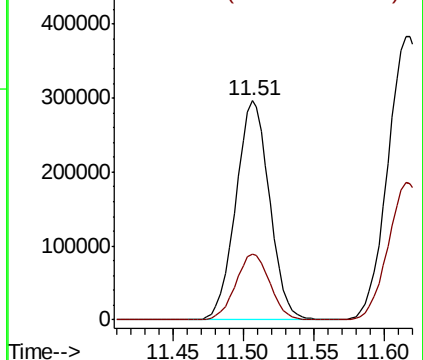
91 100

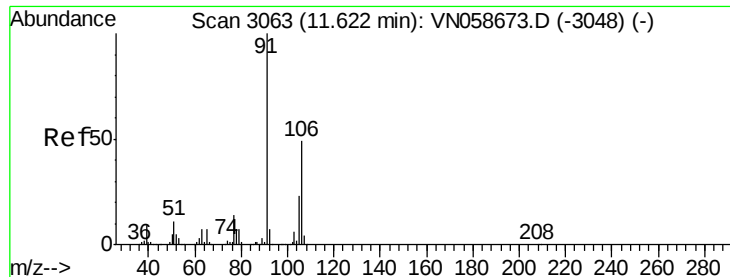
106 30.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

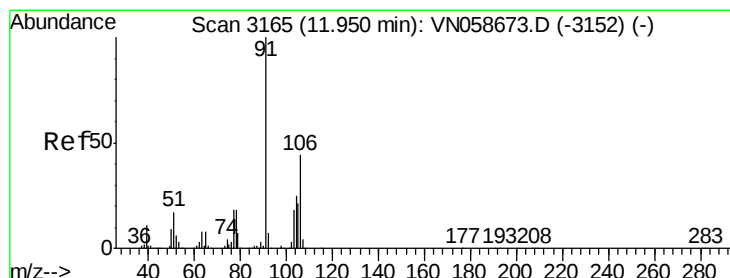
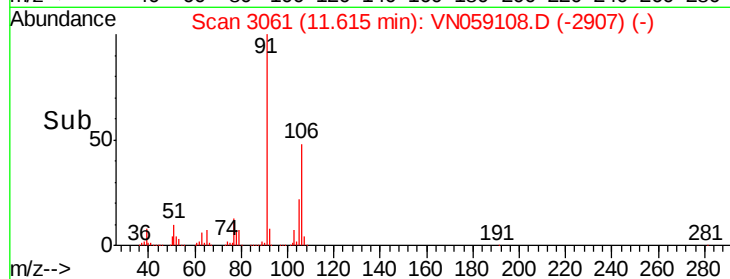
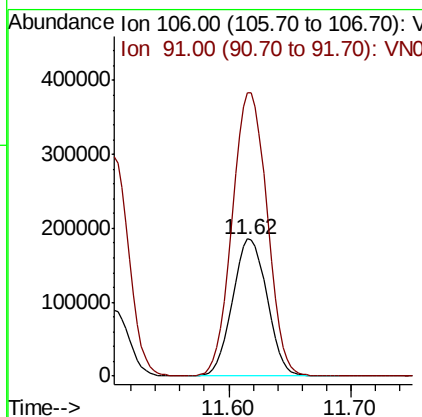
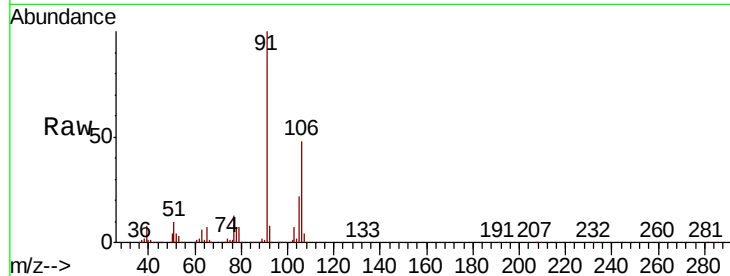




#67
m/p-Xylenes
Concen: 43.323 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

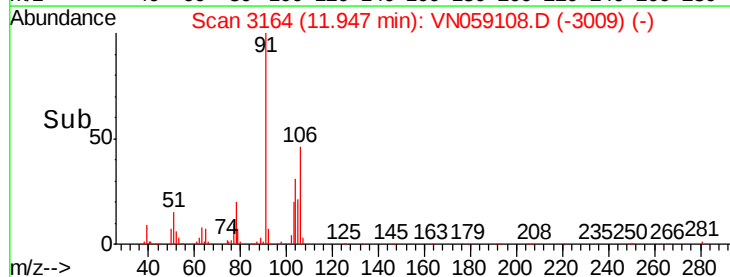
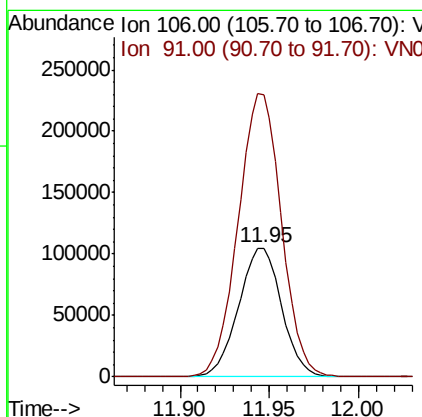
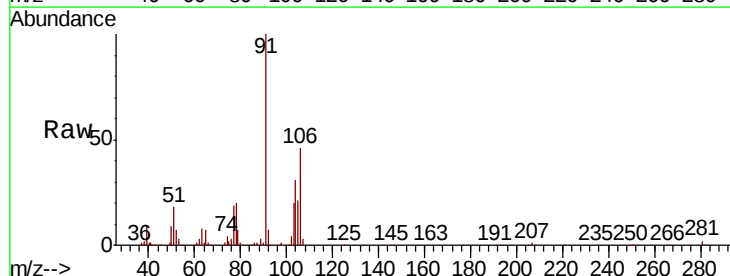
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

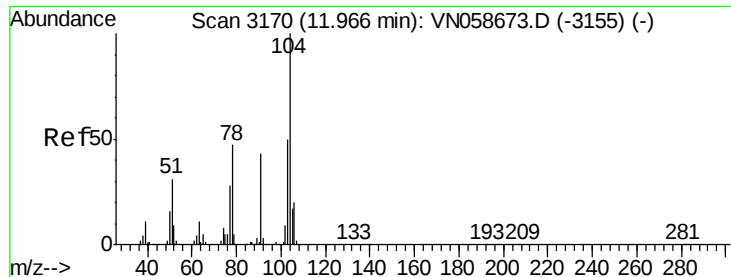
Tot Ion:106 Resp: 364371
Ion Ratio Lower Upper
106 100
91 208.1 165.6 248.4



#68
o-Xylene
Concen: 21.603 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion:106 Resp: 176138
Ion Ratio Lower Upper
106 100
91 221.4 109.8 329.4

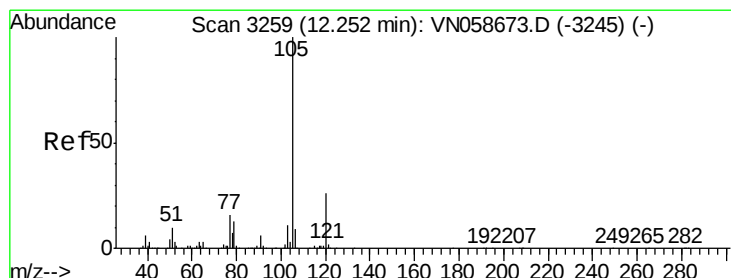
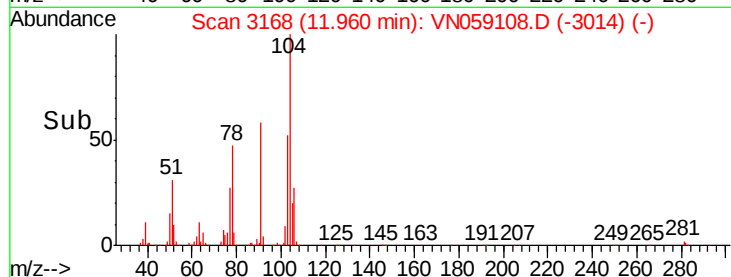
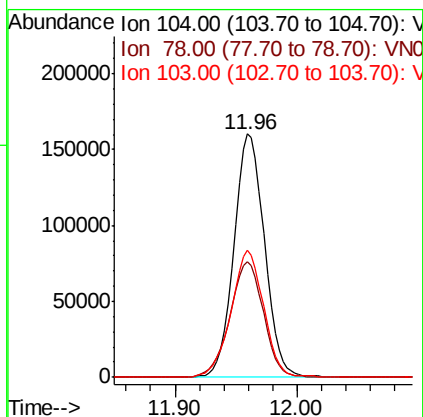
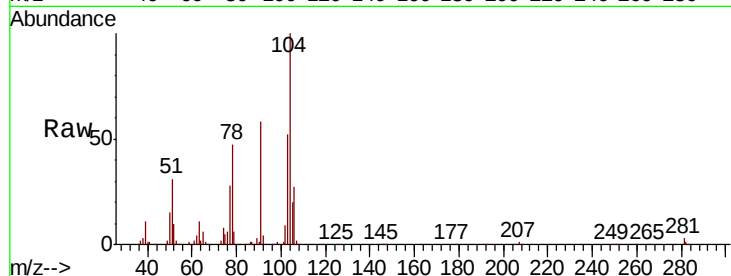




#69
Stvrene
Concen: 20.686 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

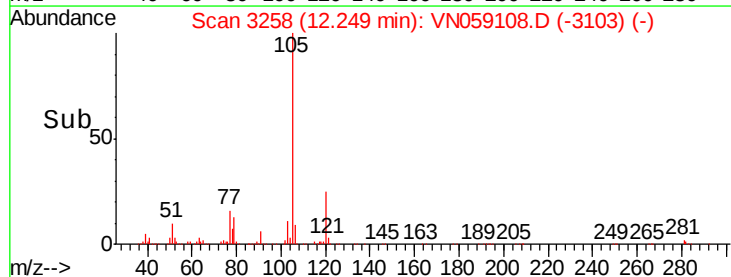
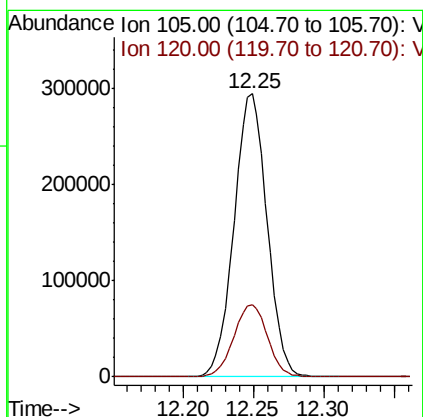
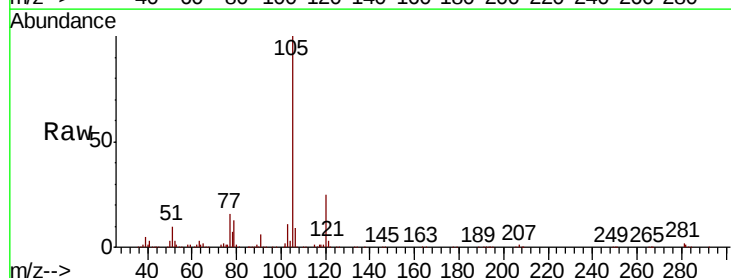
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

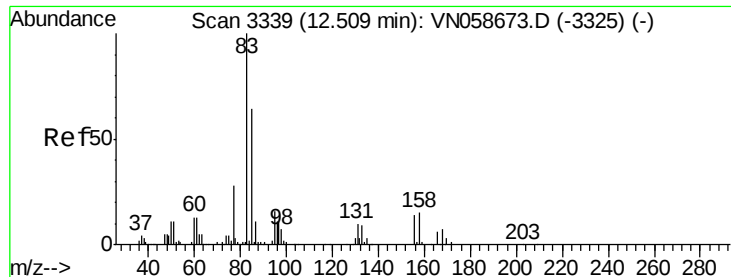
Tot Ion:104 Resp: 278634
Ion Ratio Lower Upper
104 100
78 52.3 42.4 63.6
103 55.7 44.6 66.8



#70
Isopropylbenzene
Concen: 21.916 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion:105 Resp: 482442
Ion Ratio Lower Upper
105 100
120 26.1 18.4 34.2

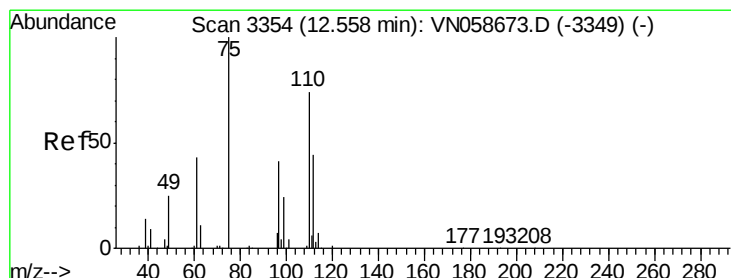
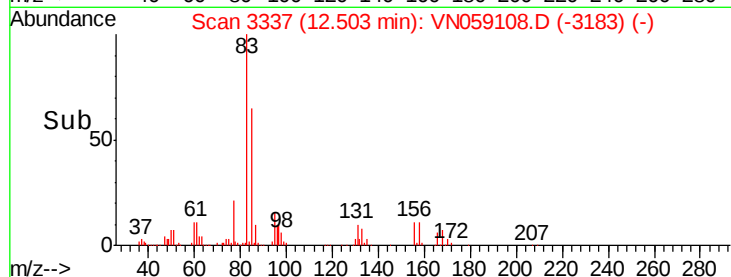
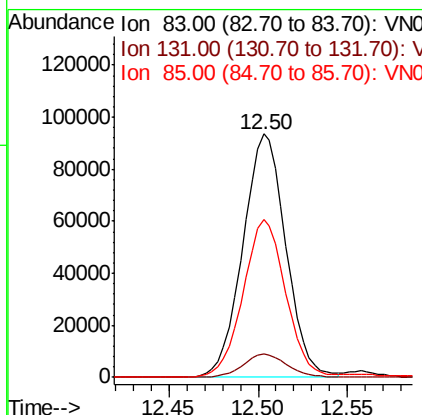
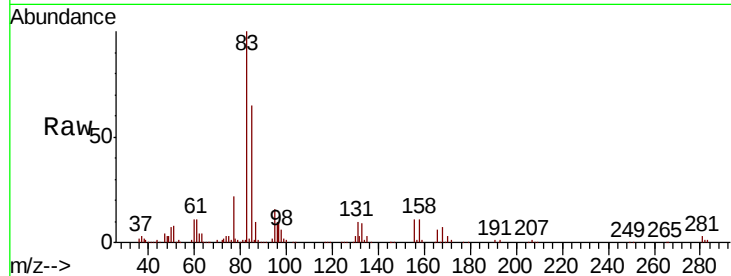




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.239 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

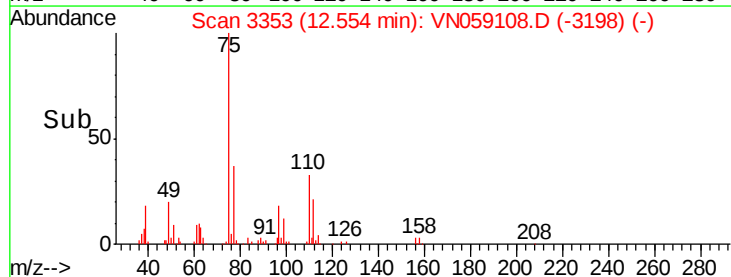
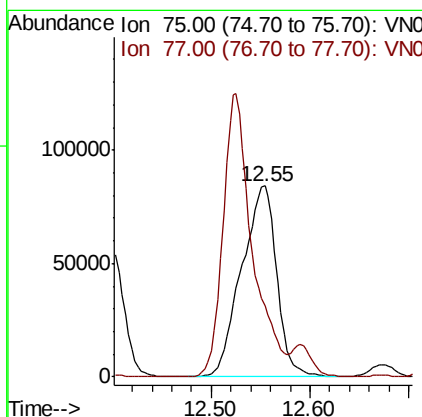
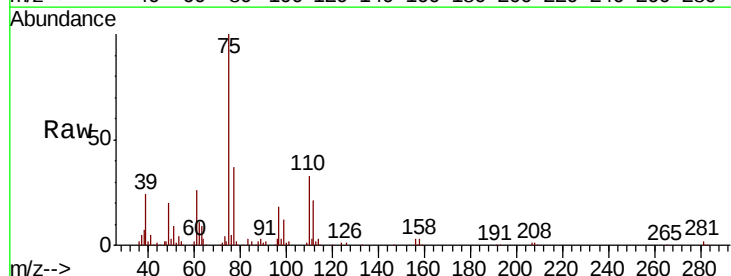
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

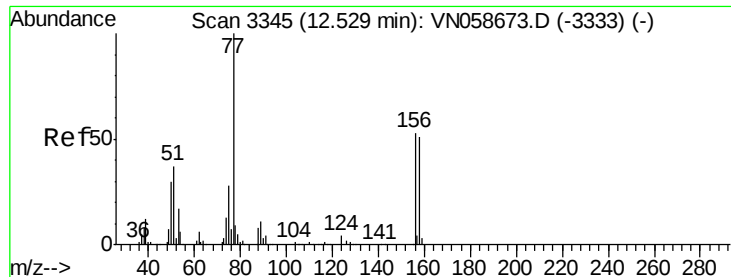
Tot Ion	83	Resp	157398
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.7
85	63.8	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 30.960 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	75	Resp	207900
Ion Ratio	Lower	Upper	
75	100		
77	125.0	0.0	359.4





#73

Bromobenzene

Concen: 21.390 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

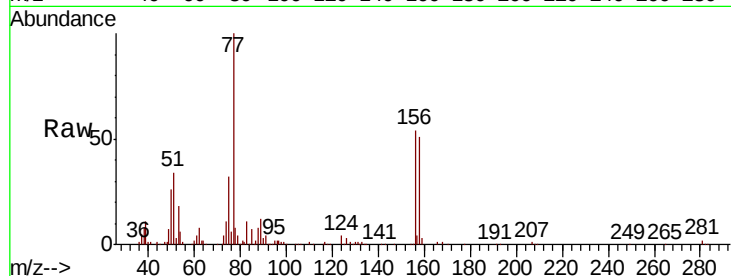
Tot Ion:156 Resp: 114367

Ion Ratio Lower Upper

156 100

77 227.2 0.0 456.0

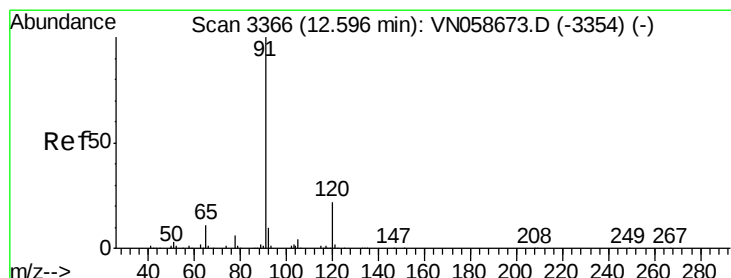
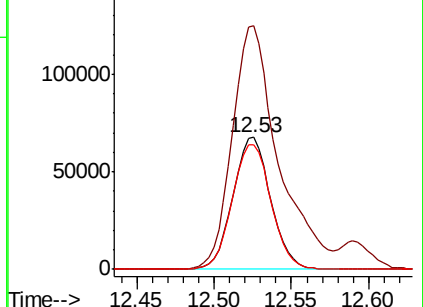
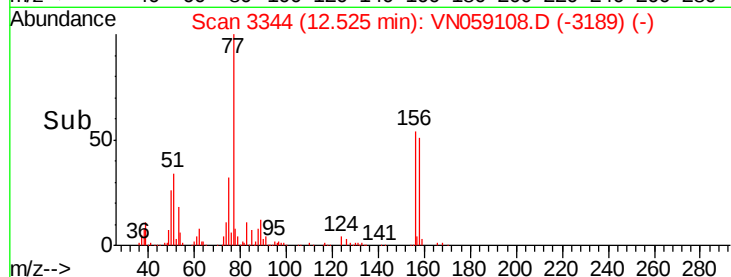
158 97.3 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.648 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.01 min

Lab File: VN059108.D

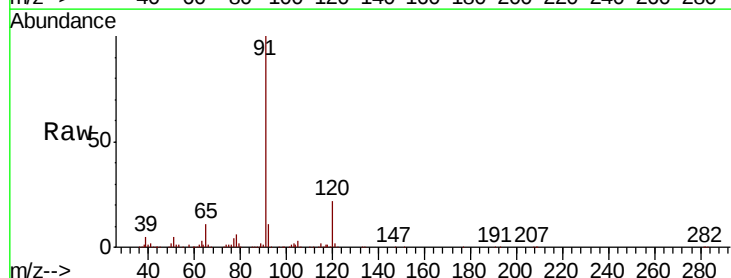
Acq: 7 Nov 2019 8:51

Tgt Ion: 91 Resp: 557786

Ion Ratio Lower Upper

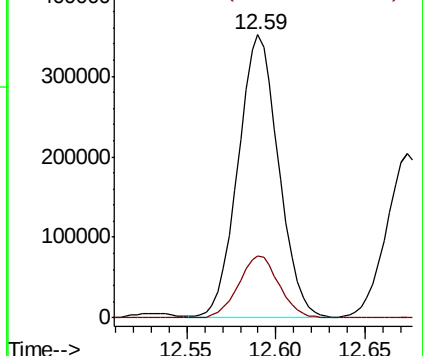
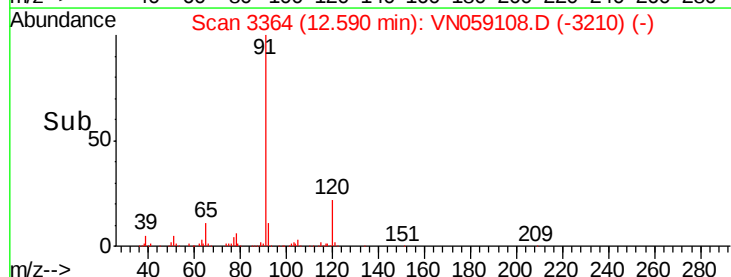
91 100

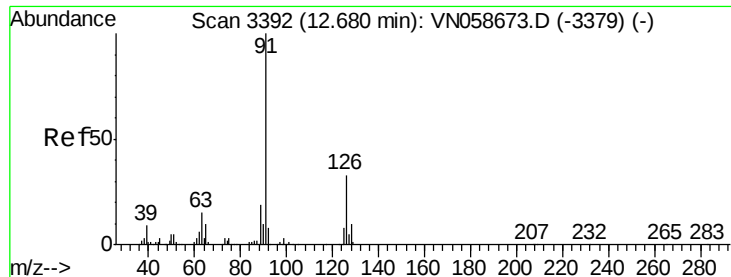
120 21.9 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.663 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

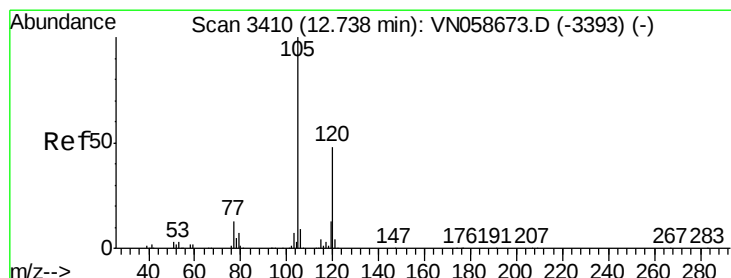
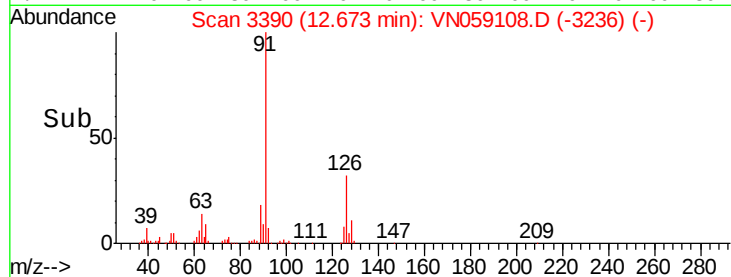
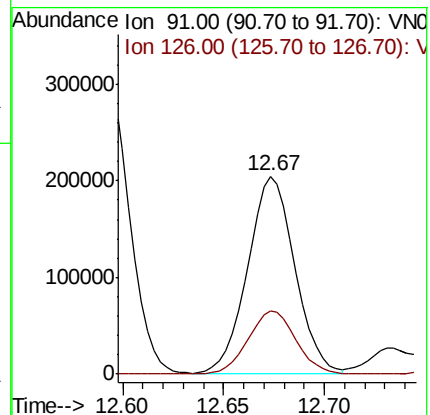
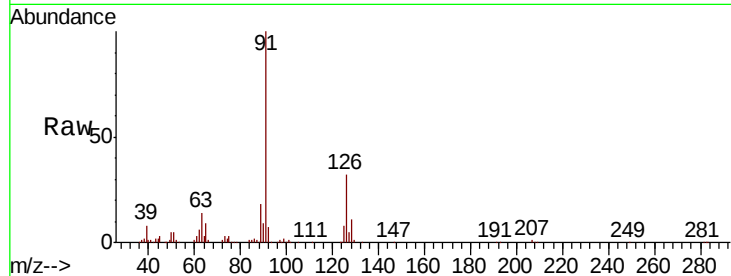
VSTDCCC020

Tot Ion: 91 Resp: 335828

Ion Ratio Lower Upper

91 100

126 32.4 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 21.695 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059108.D

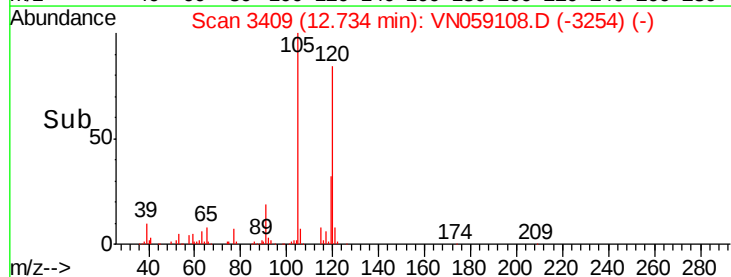
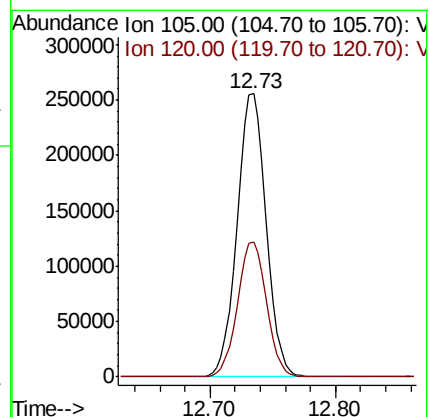
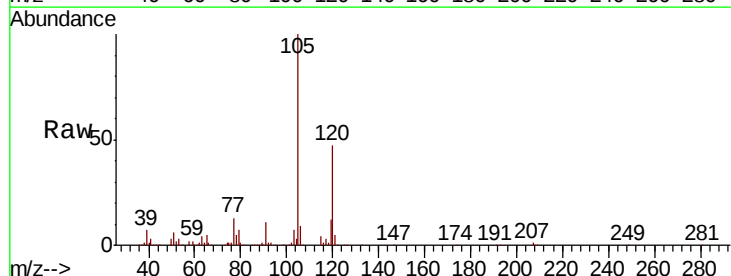
Acq: 7 Nov 2019 8:51

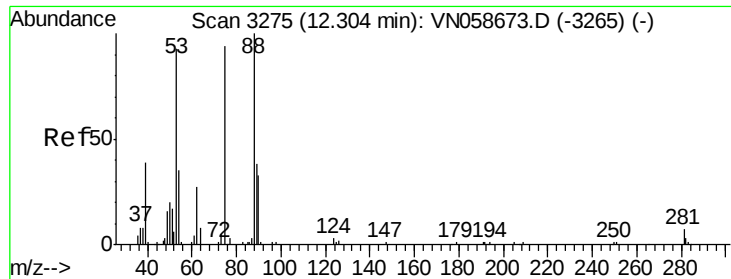
Tgt Ion: 105 Resp: 409037

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.0

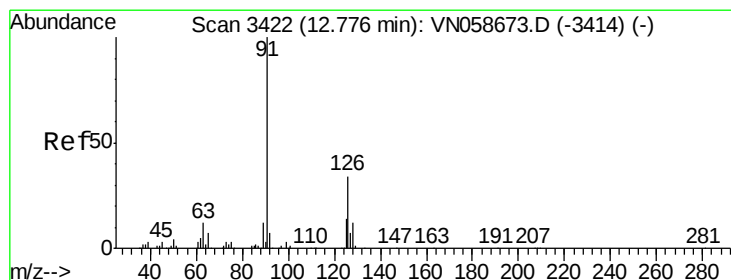
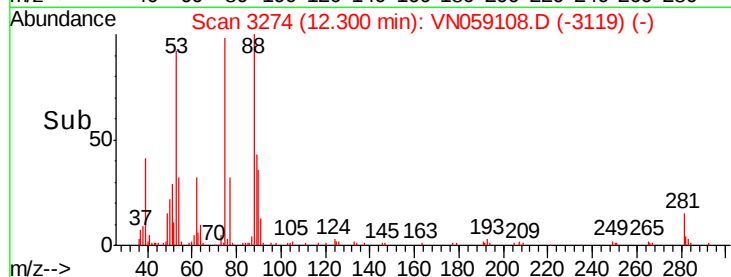
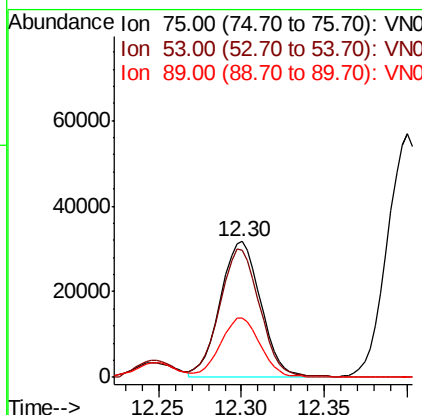
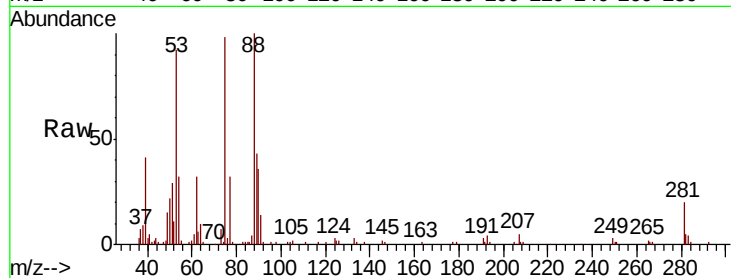




#77
t-1,4-Dichloro-2-butene
Concen: 20.905 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

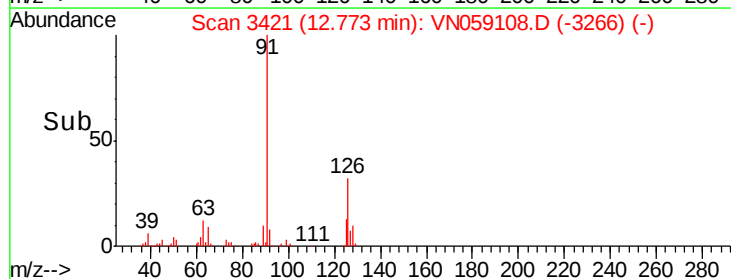
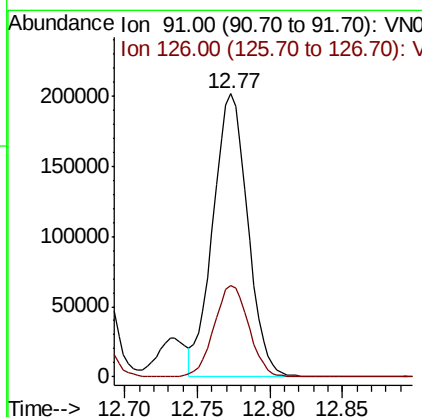
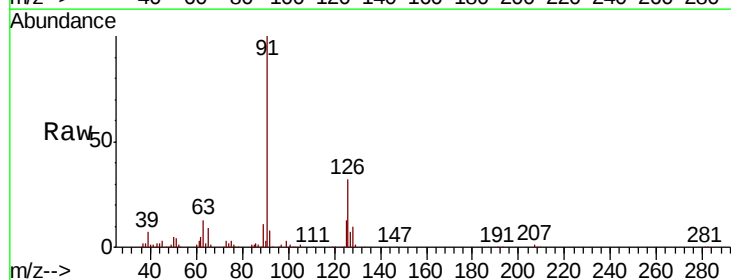
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 75 Resp: 53478
Ion Ratio Lower Upper
75 100
53 93.8 50.0 150.0
89 44.1 20.7 62.1



#78
4-Chlorotoluene
Concen: 20.891 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 91 Resp: 333794
Ion Ratio Lower Upper
91 100
126 32.5 0.0 63.4

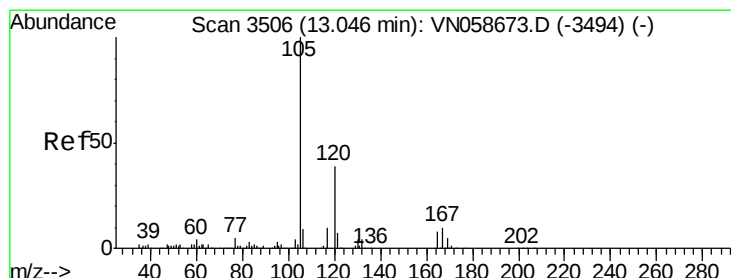
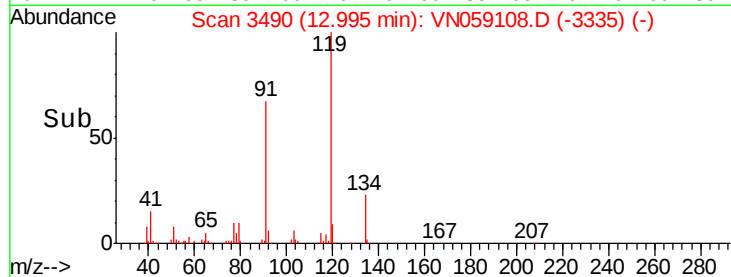
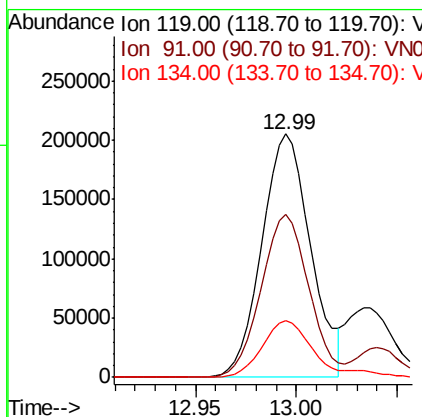
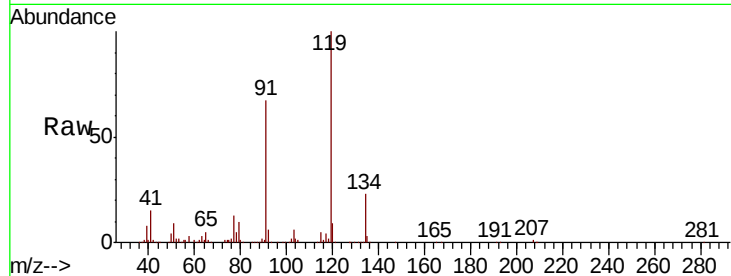




#79
tert-butylbenzene
Concen: 21.474 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

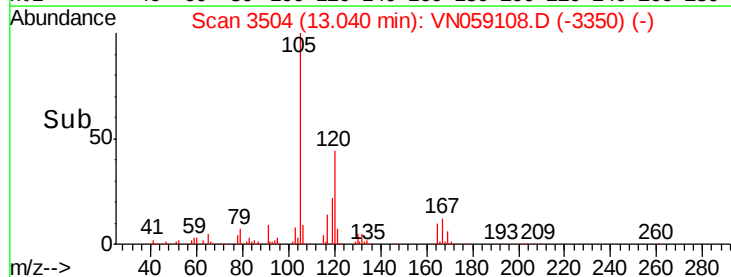
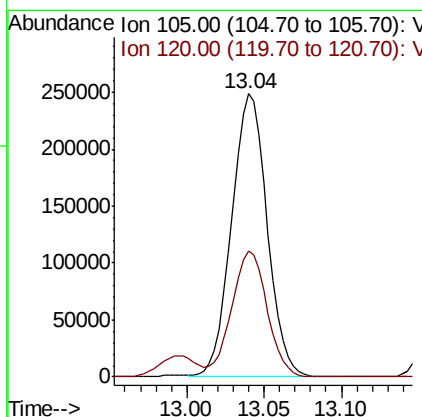
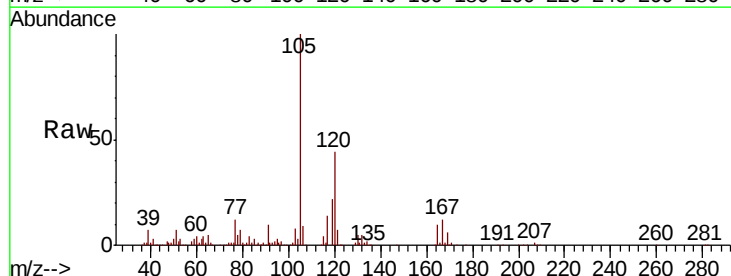
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

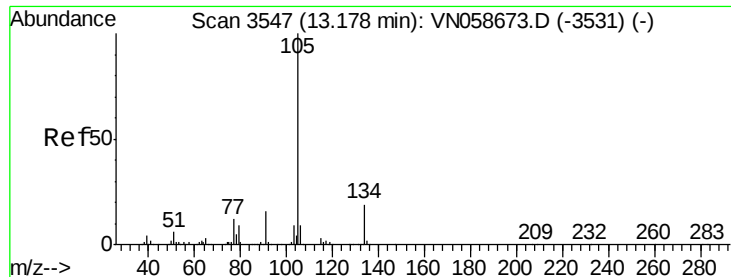
Tot Ion:119 Resp: 345908
Ion Ratio Lower Upper
119 100
91 65.7 0.0 136.4
134 24.9 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 21.131 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion:105 Resp: 395884
Ion Ratio Lower Upper
105 100
120 44.5 0.0 89.2





#81

sec-Butylbenzene

Concen: 21.148 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

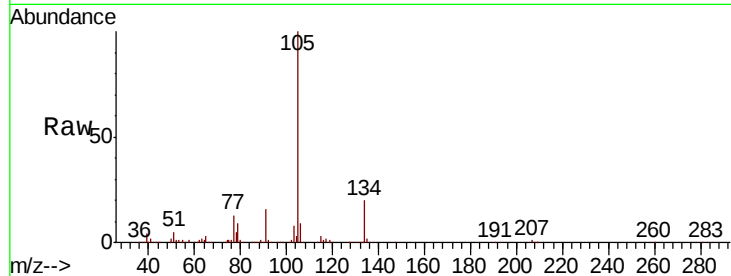
VSTDCCC020

Tot Ion:105 Resp: 458441

Ion Ratio Lower Upper

105 100

134 19.3 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

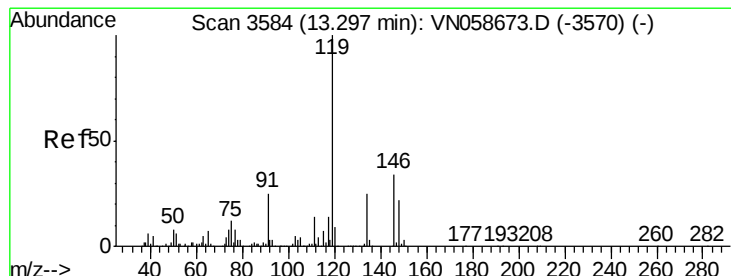
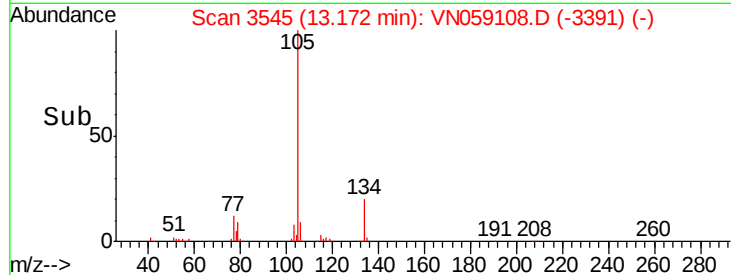
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 20.909 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

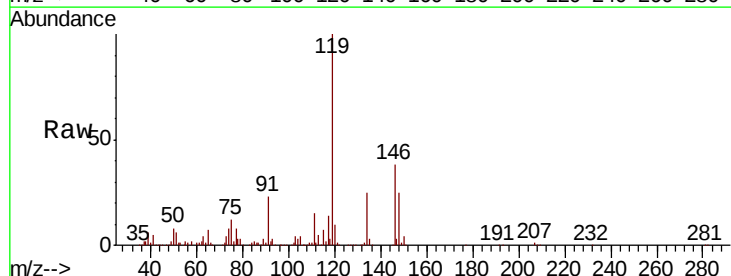
Tgt Ion:119 Resp: 407030

Ion Ratio Lower Upper

119 100

134 25.7 0.0 50.8

91 23.8 0.0 49.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

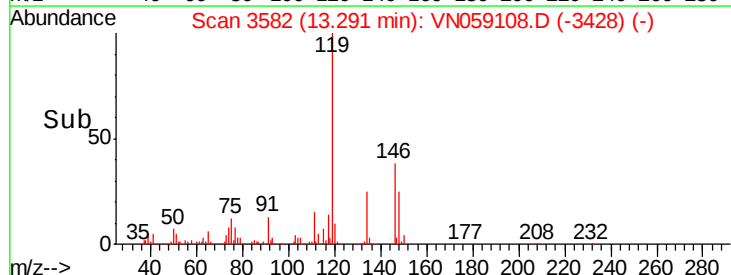
300000

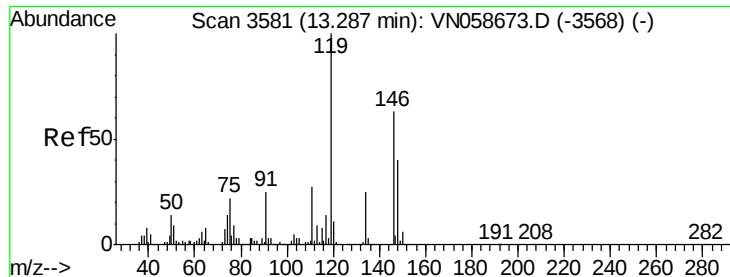
200000

100000

0

Time-->

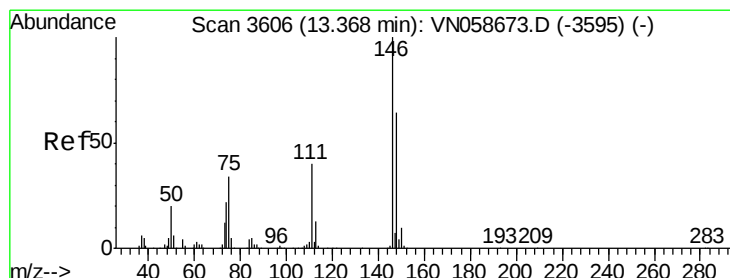
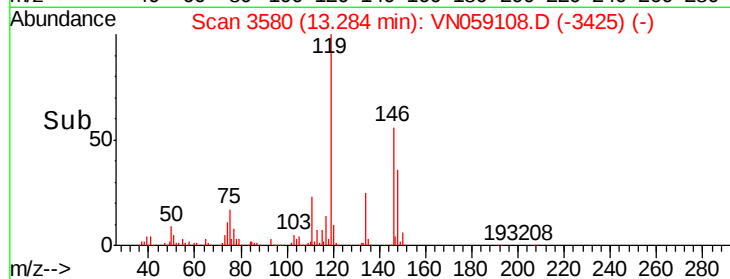
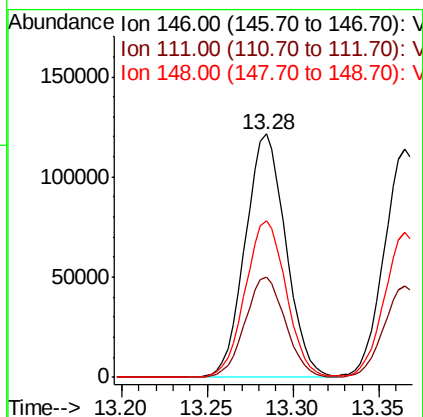
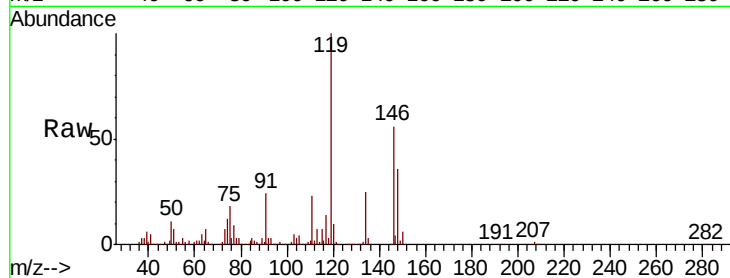




#83
 1,3-Dichlorobenzene
 Concen: 20.632 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

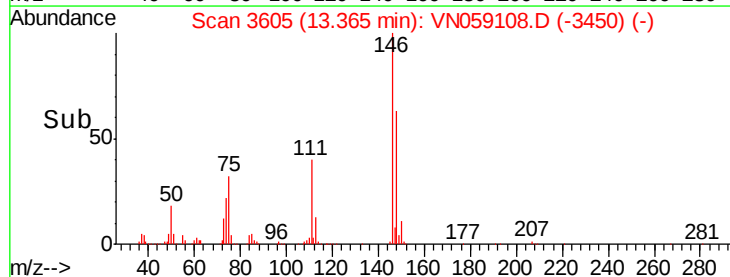
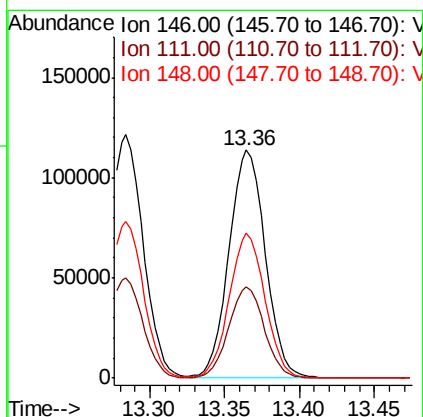
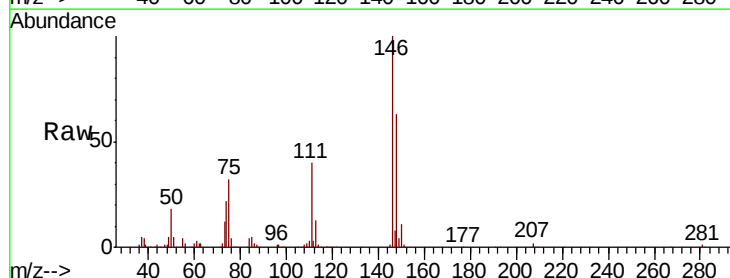
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

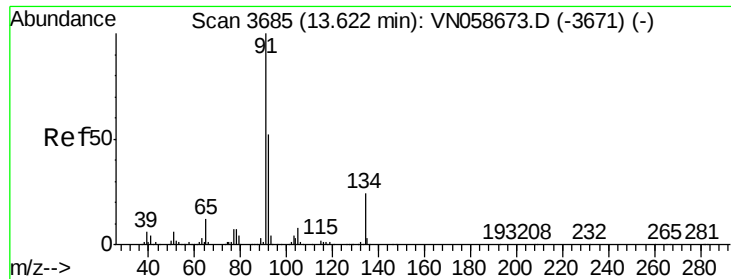
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.0	63.0
148	64.8	31.7	95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.824 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.4
148	62.1	31.6	94.8

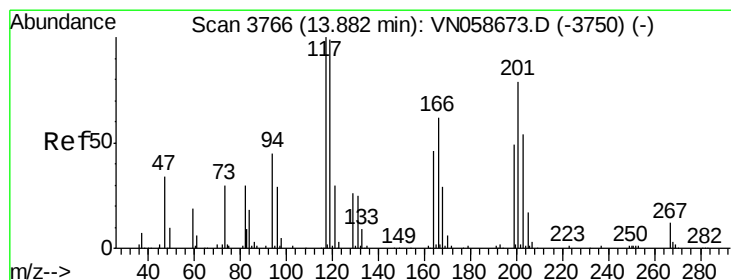
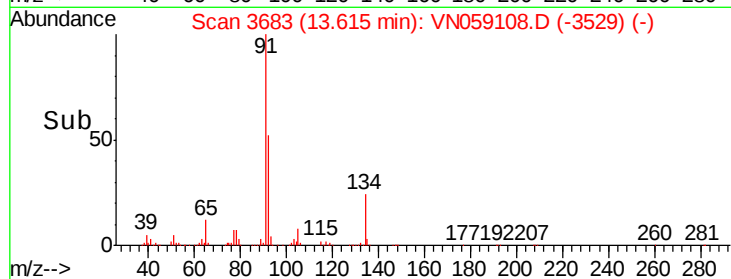
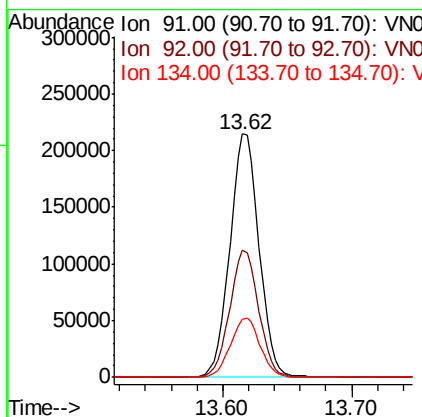
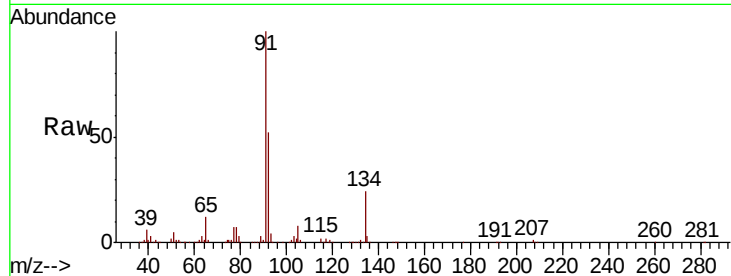




#85
n-Butylbenzene
Concen: 18.874 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

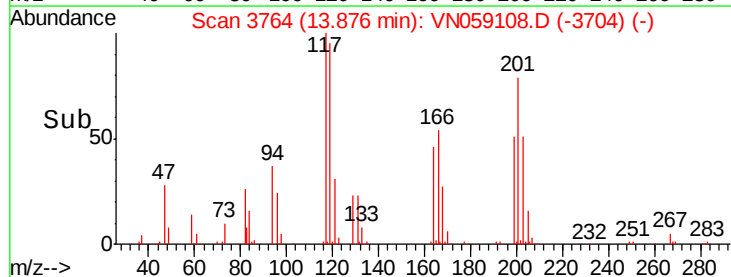
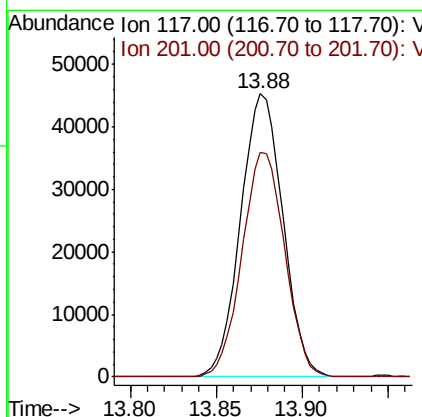
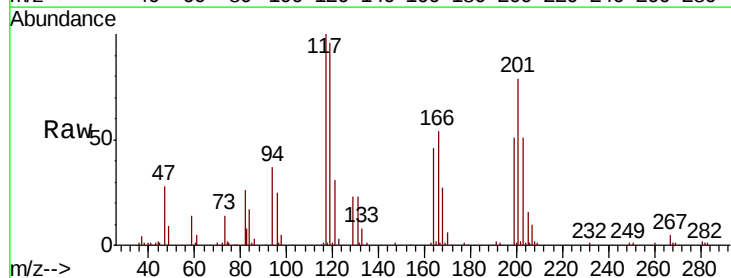
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

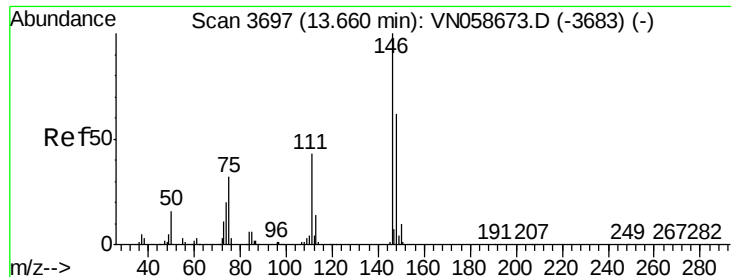
Tot Ion: 91 Resp: 336382
Ion Ratio Lower Upper
91 100
92 51.8 0.0 102.8
134 24.7 0.0 48.6



#86
Hexachloroethane
Concen: 21.865 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN059108.D
Acq: 7 Nov 2019 8:51

Tgt Ion: 117 Resp: 77459
Ion Ratio Lower Upper
117 100
201 79.7 38.7 116.1

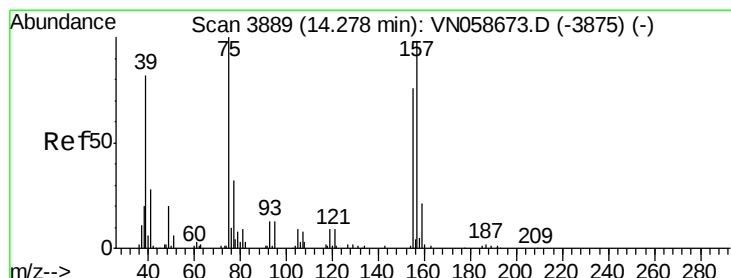
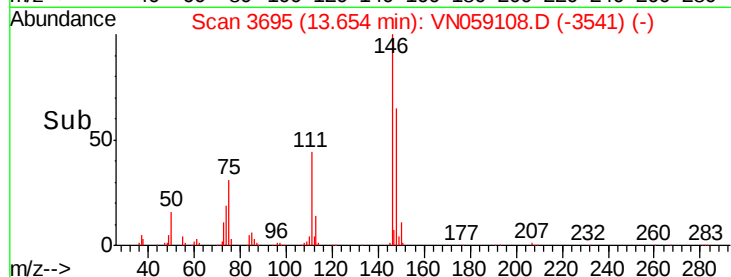
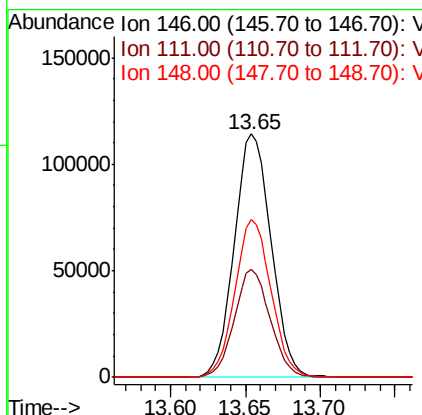
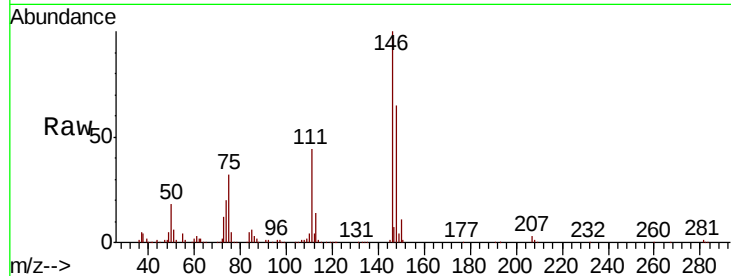




#87
 1,2-Dichlorobenzene
 Concen: 20.506 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.01 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

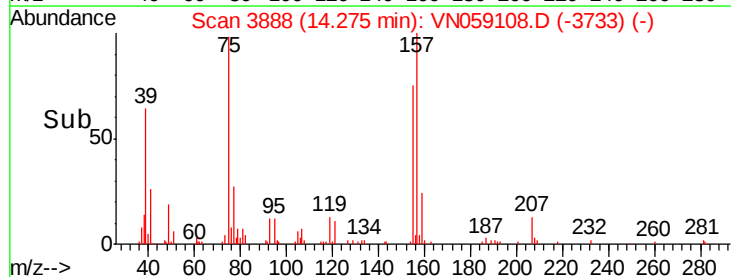
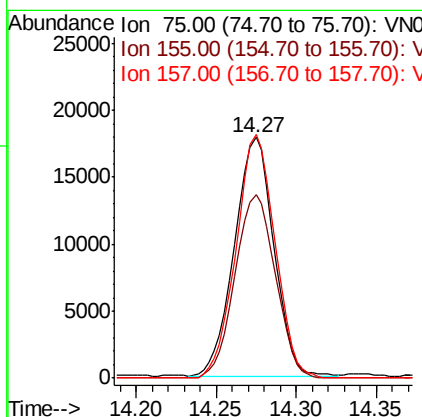
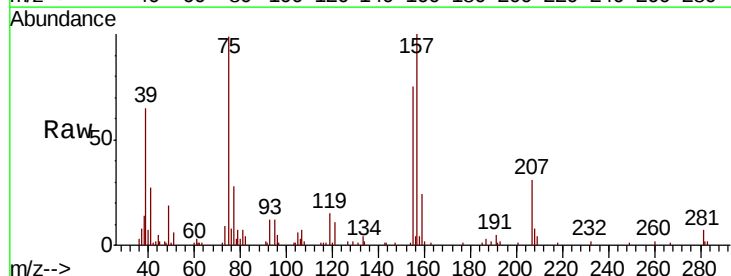
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

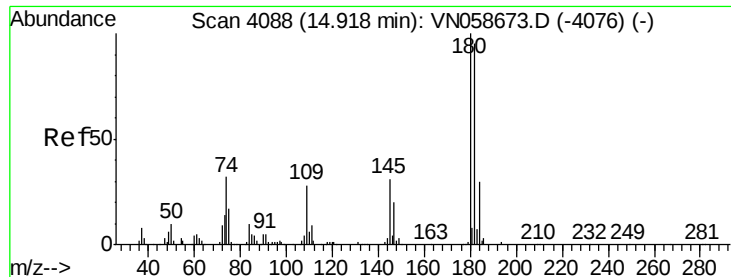
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.8	65.4
148	63.5	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.141 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	58.3	87.5
157	100.6	75.0	112.6

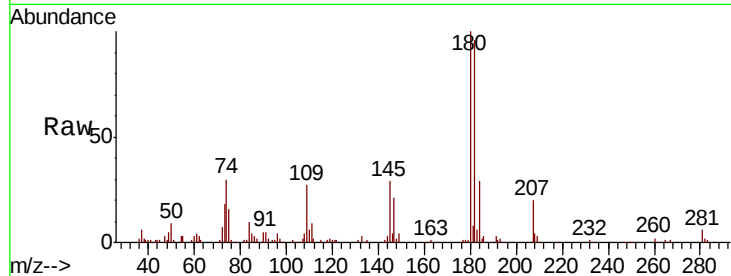




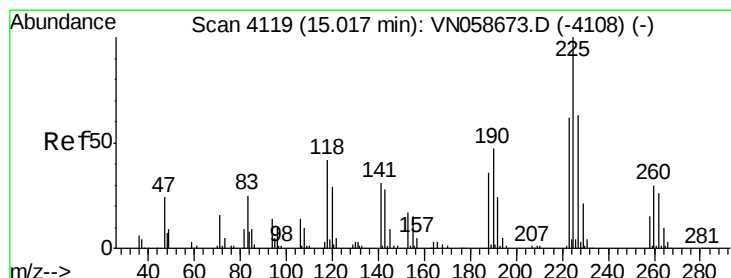
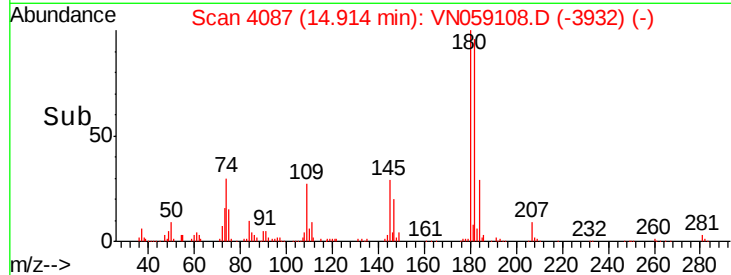
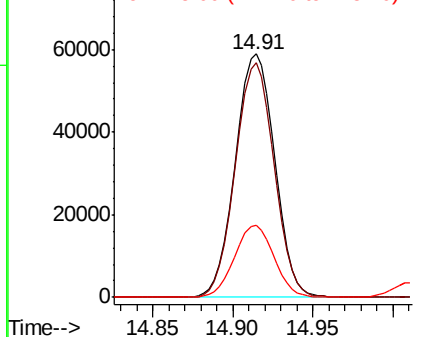
#89
 1,2,4-Trichlorobenzene
 Concen: 16.436 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:180 Resp: 99125
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.3 112.9
 145 29.6 24.8 37.2

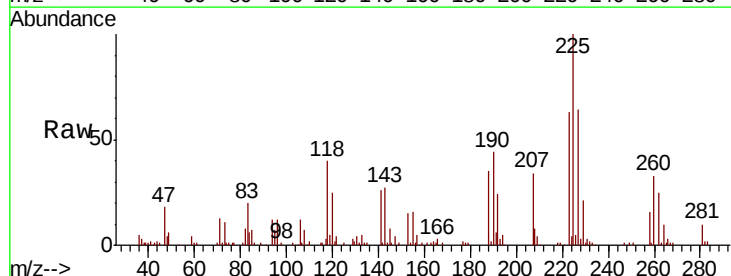


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

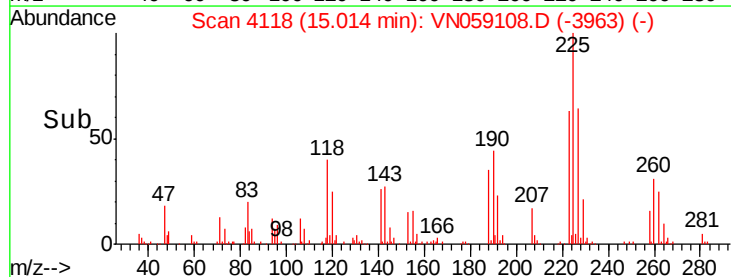
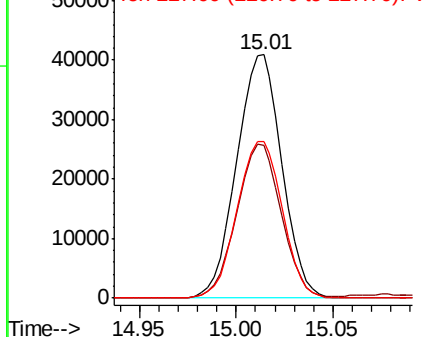


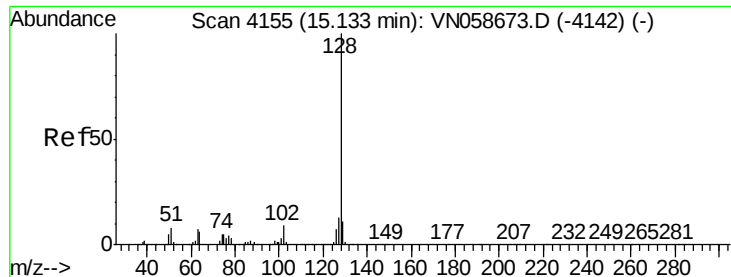
#90
 Hexachlorobutadiene
 Concen: 21.376 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN059108.D
 Acq: 7 Nov 2019 8:51

Tgt Ion:225 Resp: 66573
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 126.2
 227 64.4 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 14.834 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

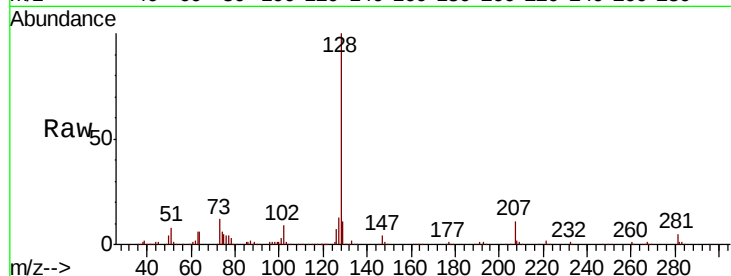
Tot Ion:128 Resp: 264138

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

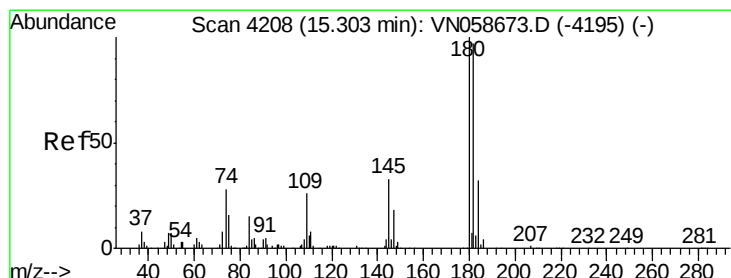
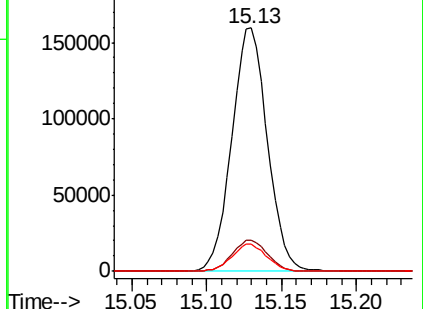
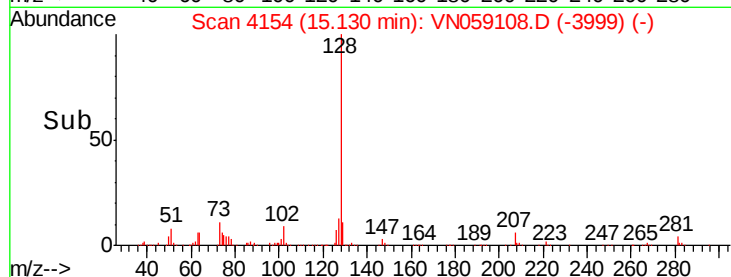
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.420 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.01 min

Lab File: VN059108.D

Acq: 7 Nov 2019 8:51

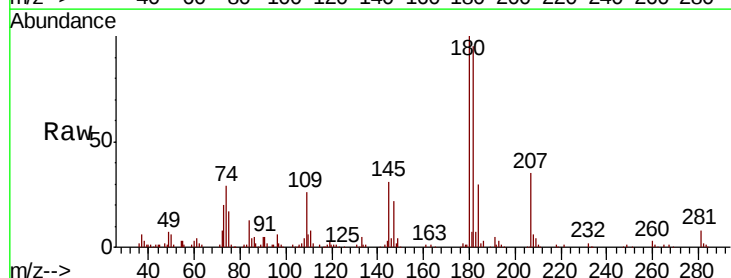
Tgt Ion:180 Resp: 102271

Ion Ratio Lower Upper

180 100

182 94.4 0.0 193.4

145 32.5 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

