

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058669.D
 Acq On : 10 Oct 2019 17:06
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Oct 11 04:13:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75698	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	424534	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	394138	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	193549	29.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.17%
60) 4-Bromofluorobenzene	12.41	95	208248	30.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.27%
63) Toluene-d8	10.08	98	553432	29.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	218741	48.857	ug/l 98
3) Chloromethane	2.04	50	283394	52.981	ug/l 99
4) Vinyl Chloride	2.17	62	290575	54.125	ug/l 99
5) Bromomethane	2.54	94	175333	57.282	ug/l 97
6) Chloroethane	2.68	64	181817	56.774	ug/l 97
7) Trichlorofluoromethane	3.00	101	367156	57.871	ug/l 99
8) Diethyl Ether	3.39	74	137123	49.743	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	212479	50.186	ug/l 99
10) 1,1-Dichloroethene	3.72	96	203593	49.100	ug/l 100
11) Methyl Iodide	3.93	142	296514	64.274	ug/l 97
12) Methyl Acetate	4.30	43	329339	57.302	ug/l 98
13) Acrolein	3.59	56	173504	666.156	ug/l 97
14) Acrylonitrile	4.96	53	660404	283.323	ug/l 99
15) Acetone	3.80	58	206560	320.096	ug/l 97
16) Carbon Disulfide	4.03	76	586401	49.726	ug/l 99
17) Allyl chloride	4.30	41	416711	53.039	ug/l 98
18) Methylene Chloride	4.53	84	248735	50.684	ug/l 99
19) trans-1,2-Dichloroethene	5.02	96	224147	48.379	ug/l 95
20) Diisopropyl ether	5.93	45	849927	51.188	ug/l 96
21) 1,1-Dichloroethane	5.82	63	472858	51.066	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	270584	50.073	ug/l 99
23) tert-Butyl Alcohol	4.76	59	268438	303.758	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	784522	52.296	ug/l 100
25) Chloroform	7.35	83	470923	50.282	ug/l 96
26) Cyclohexane	7.64	56	417514	48.933	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	357860	51.548	ug/l 100
30) 2-Butanone	6.81	43	1043604	318.485	ug/l 100
31) 2,2-Dichloropropane	6.80	77	421369	57.640	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	408784	53.609	ug/l 100
33) Carbon Tetrachloride	7.76	117	357785	55.012	ug/l 99
34) Benzene	8.03	78	1035852	52.267	ug/l # 93
36) 1,2-Dichloroethane	8.11	62	397002	51.183	ug/l 100
37) Trichloroethene	8.82	130	255209	51.527	ug/l 99
38) Methylcyclohexane	9.07	83	413989	49.613	ug/l 99
39) 1,2-Dichloropropane	9.11	63	284268	52.218	ug/l 98
40) Dibromomethane	9.20	93	179940	52.531	ug/l 99
41) Bromodichloromethane	9.39	83	369088	53.950	ug/l 99

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Quant Time: Oct 11 04:13:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:10:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.87	43	3673389	298.821	ug/l	100
43) Ethyl Acetate	6.91	43	391544	59.585	ug/l	95
44) Isopropyl Acetate	8.15	43	641812	56.102	ug/l #	90
45) 1,4-Dioxane	9.19	88	98380	1049.009	ug/l	99
46) Methyl methacrylate	9.19	41	297577	55.192	ug/l	99
47) n-amyl Acetate	12.07	43	580426	57.854	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	431570	56.893	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	451478	54.343	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	257898	53.682	ug/l	99
51) Ethyl methacrylate	10.43	69	423428	55.556	ug/l	99
52) 1,3-Dichloropropane	10.71	76	456912	53.608	ug/l	99
53) Dibromochloromethane	10.90	129	280280	56.907	ug/l	98
54) 1,2-Dibromoethane	11.00	107	268446	54.554	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	1036733	306.241	ug/l	99
56) Bromoform	12.13	173	196751	61.730	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1993934	311.359	ug/l	100
59) 2-Hexanone	10.75	43	1599390	328.127	ug/l	99
61) Tetrachloroethene	10.63	164	221546	52.493	ug/l	98
62) Toluene	10.15	91	1126581	51.997	ug/l	99
64) Chlorobenzene	11.43	112	686649	51.550	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	258874	54.326	ug/l	98
66) Ethyl Benzene	11.51	91	1273343	54.024	ug/l	99
67) m/p-Xylenes	11.62	106	946238	104.410	ug/l	100
68) o-Xylene	11.95	106	450677	51.202	ug/l	99
69) Styrene	11.97	104	761221	51.909	ug/l	99
70) Isopropylbenzene	12.25	105	1254645	54.930	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	406235	54.709	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	547534	85.134	ug/l	61
73) Bromobenzene	12.53	156	294193	52.763	ug/l	99
74) n-propylbenzene	12.60	91	1491267	56.464	ug/l	100
75) 2-Chlorotoluene	12.68	91	871048	52.789	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	1069396	54.332	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	144808	65.540	ug/l	98
78) 4-Chlorotoluene	12.78	91	896841	53.061	ug/l	99
79) tert-butylbenzene	13.00	119	913674	53.389	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	1077713	55.009	ug/l	99
81) sec-Butylbenzene	13.18	105	1246016	55.776	ug/l	100
82) p-Isopropyltoluene	13.29	119	1131412	56.118	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	543945	52.993	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	540642	52.727	ug/l	99
85) n-Butylbenzene	13.62	91	1041417	55.819	ug/l	100
86) Hexachloroethane	13.88	117	198450	58.459	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	536868	53.603	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	90086	59.640	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	340896	51.832	ug/l	99
90) Hexachlorobutadiene	15.02	225	170566	53.166	ug/l	100
91) Naphthalene	15.13	128	1016886	55.531	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	324649	51.205	ug/l	99

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:10:20 2019
Response via : Initial Calibration

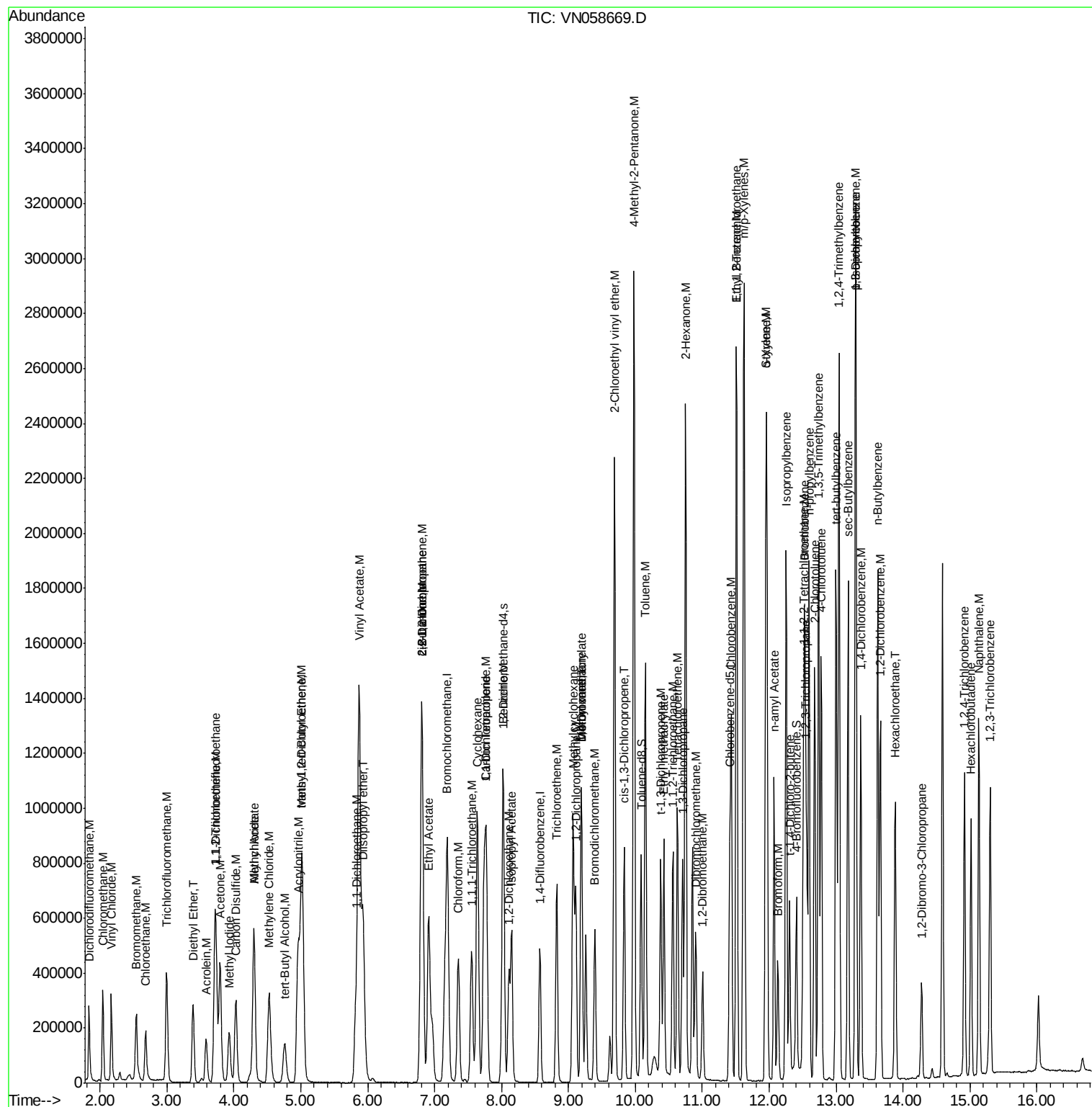
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

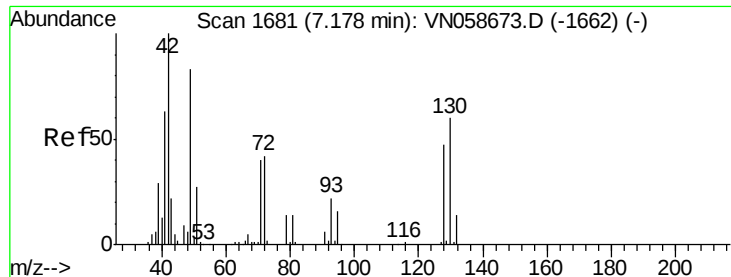
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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ClientSampleId :
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Quant Time: Oct 11 04:13:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:10:20 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

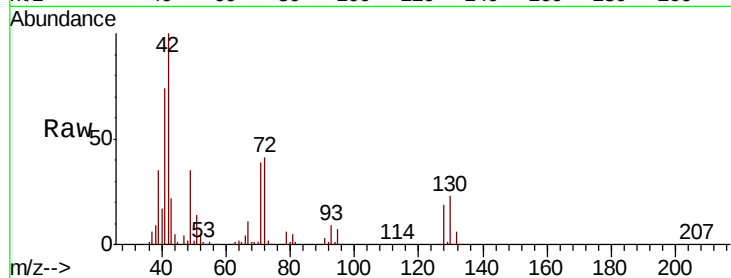
Tot Ion:128 Resp: 75698

Ion Ratio Lower Upper

128 100

49 187.9 0.0 453.5

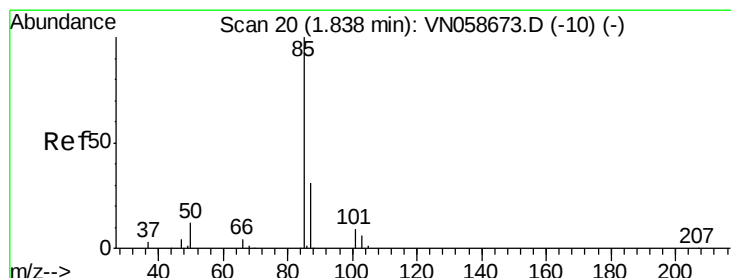
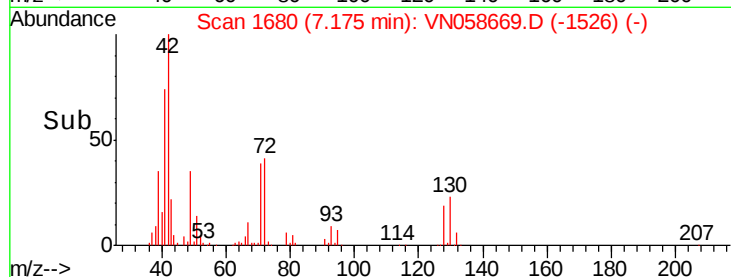
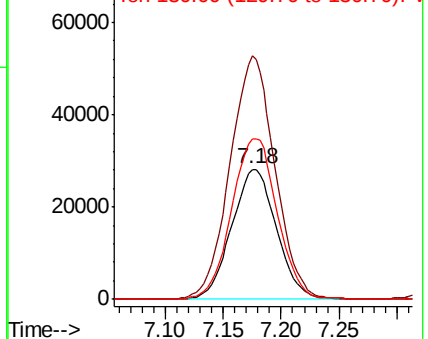
130 125.7 0.0 314.2



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: 48.857 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058669.D

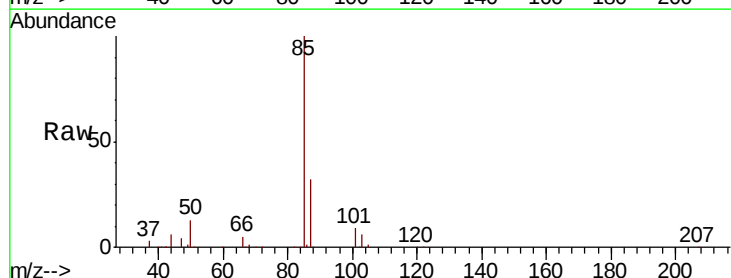
Acq: 10 Oct 2019 17:06

Tgt Ion: 85 Resp: 218741

Ion Ratio Lower Upper

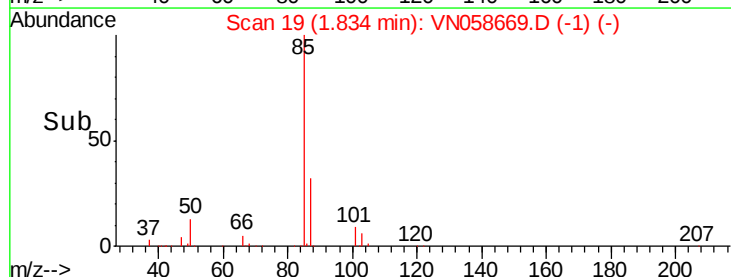
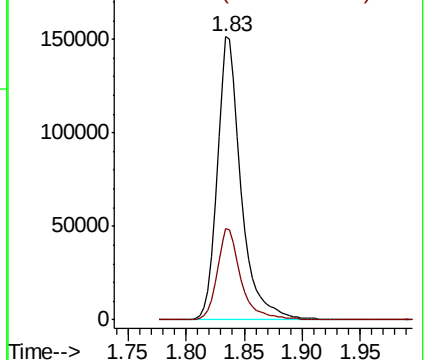
85 100

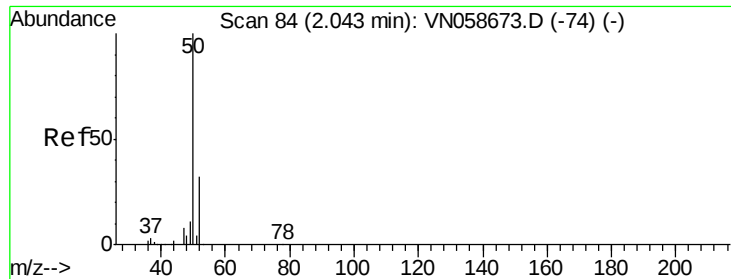
87 32.3 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 52.981 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

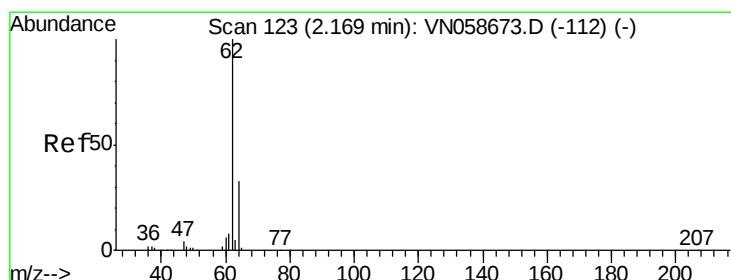
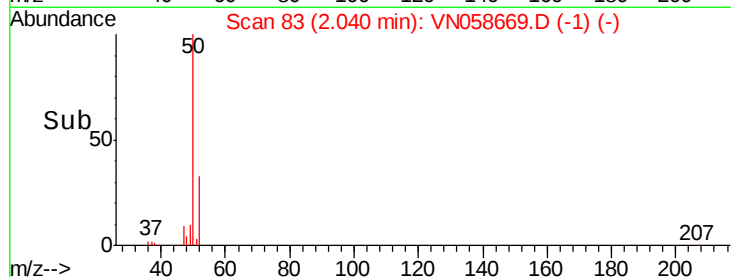
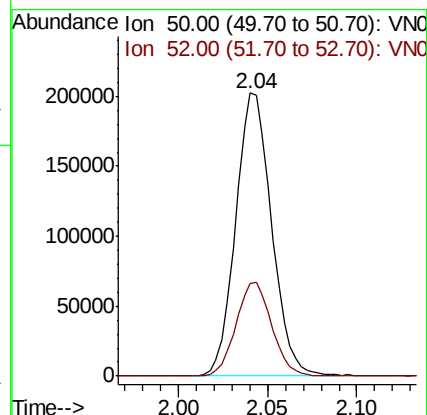
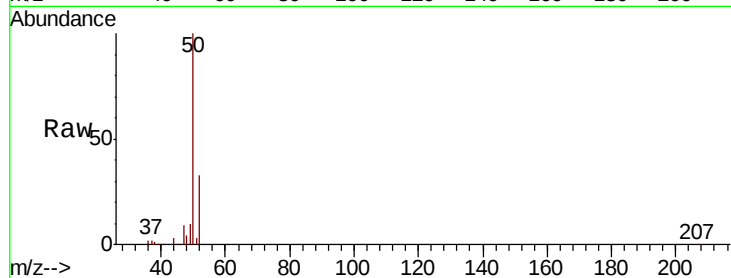
VSTDIC050

Tot Ion: 50 Resp: 283394

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.8



#4

Vinyl Chloride

Concen: 54.125 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058669.D

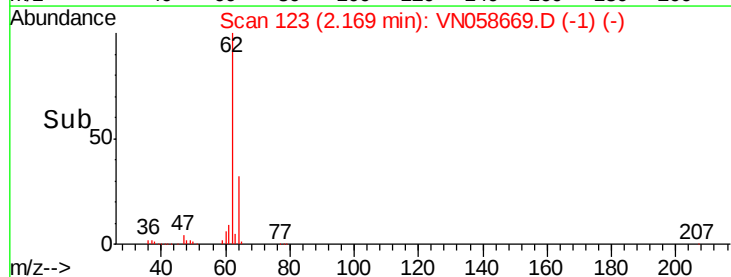
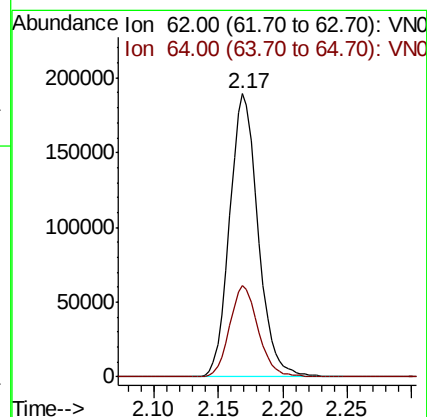
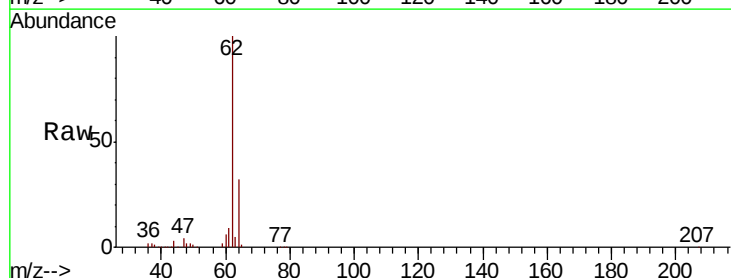
Acq: 10 Oct 2019 17:06

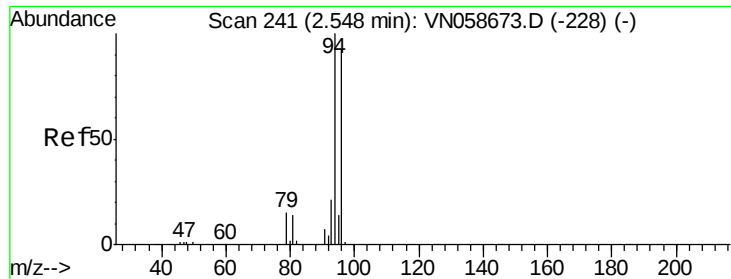
Tgt Ion: 62 Resp: 290575

Ion Ratio Lower Upper

62 100

64 32.3 26.1 39.1





#5

Bromomethane

Concen: 57.282 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

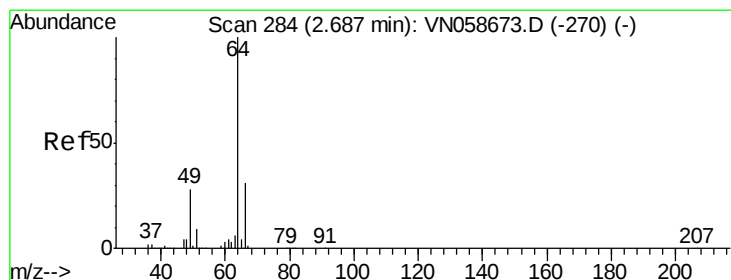
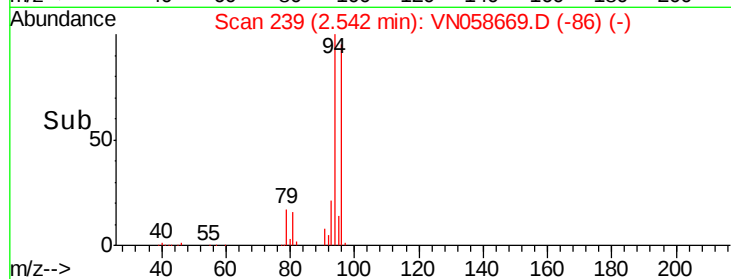
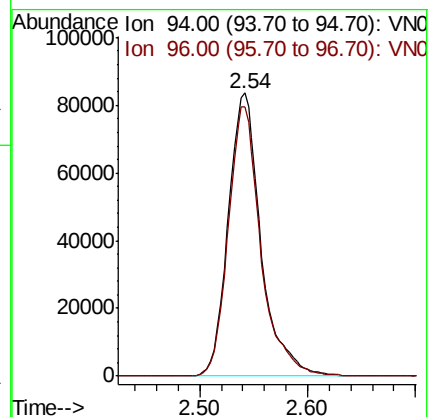
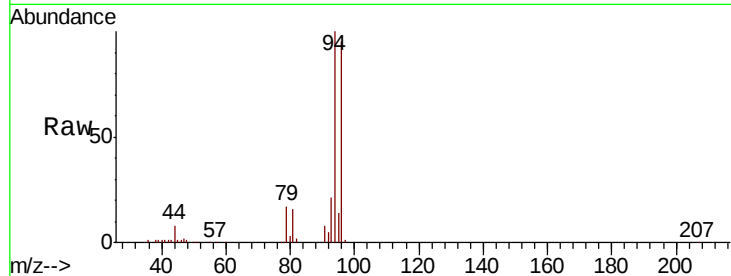
VSTDIC050

Tot Ion: 94 Resp: 175333

Ion Ratio Lower Upper

94 100

96 95.3 73.7 110.5



#6

Chloroethane

Concen: 56.774 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058669.D

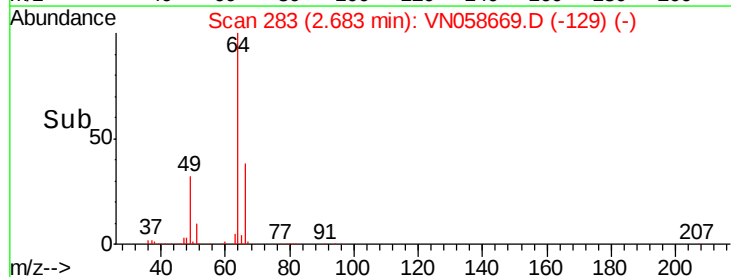
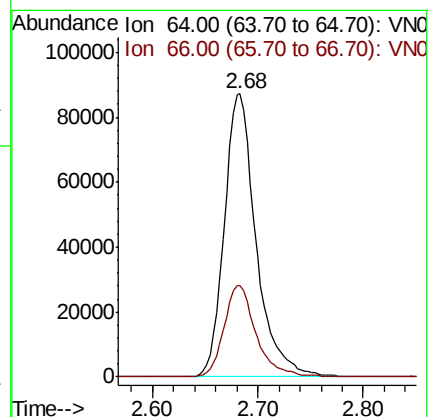
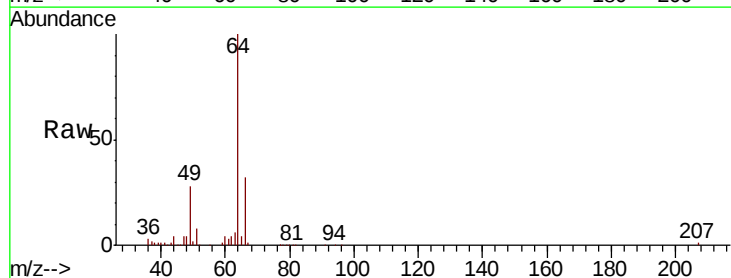
Acq: 10 Oct 2019 17:06

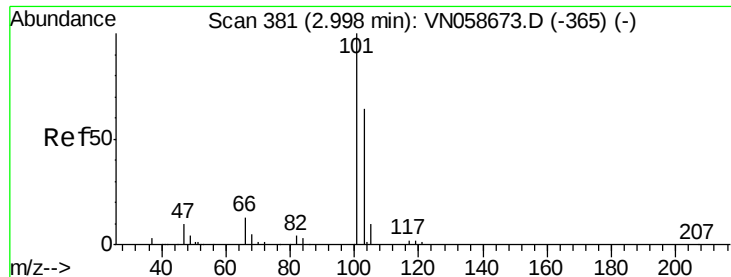
Tgt Ion: 64 Resp: 181817

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8



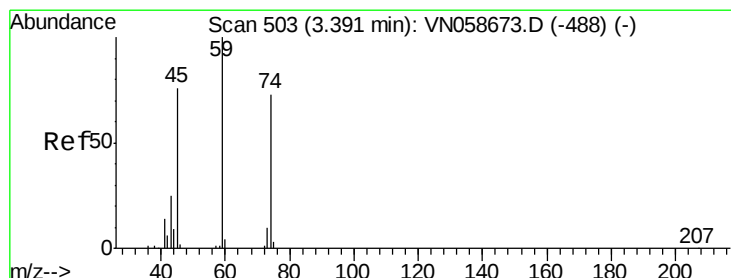
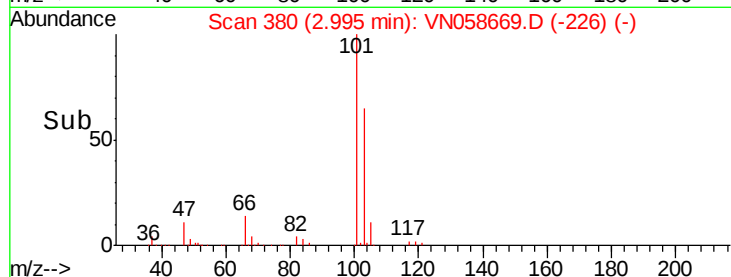
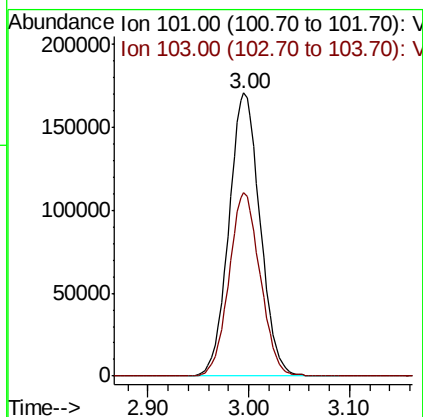
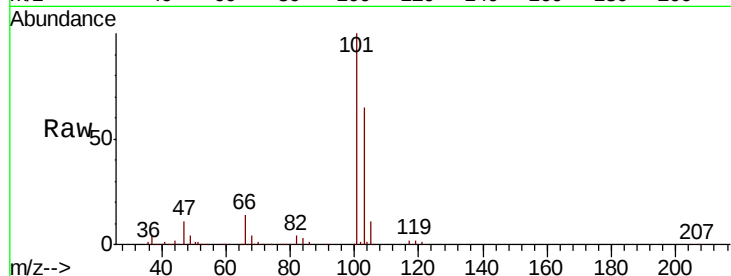


#7

Trichlorofluoromethane
 Concen: 57.871 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
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 VSTDIC050

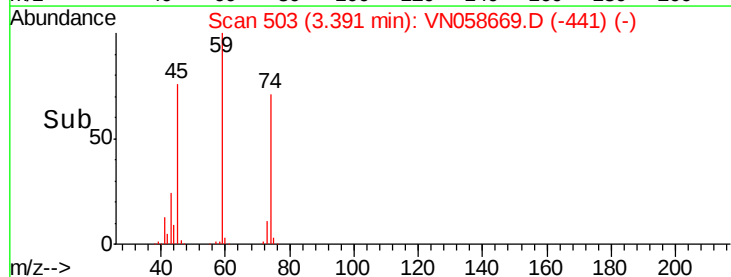
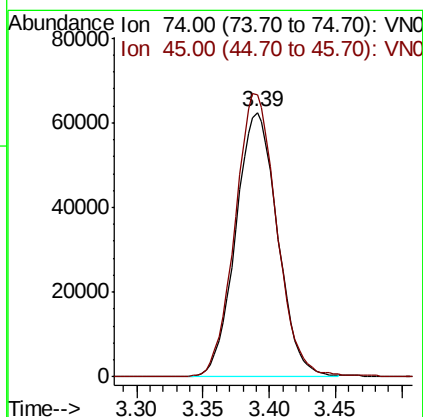
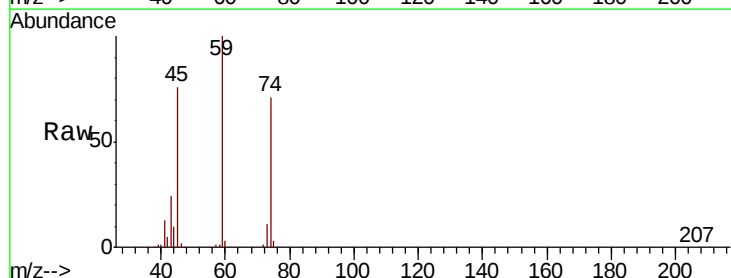
Tot Ion:101 Resp: 367156
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.5 77.3

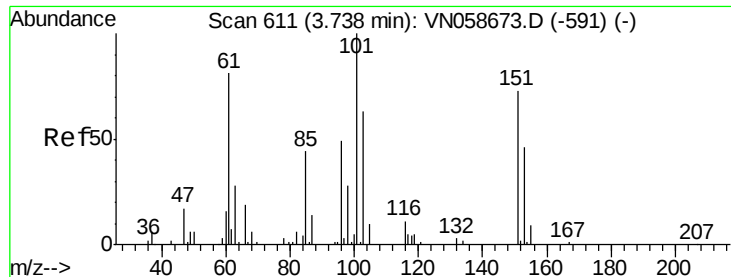


#8

Diethyl Ether
 Concen: 49.743 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion: 74 Resp: 137123
 Ion Ratio Lower Upper
 74 100
 45 106.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.186 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

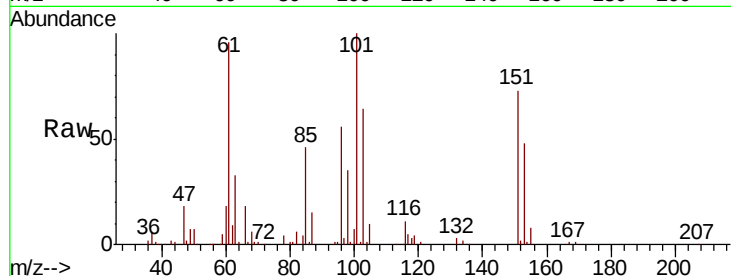
Tot Ion:101 Resp: 212479

Ion Ratio Lower Upper

101 100

85 45.6 0.0 93.8

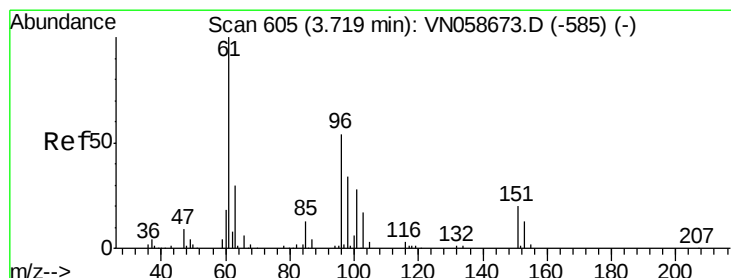
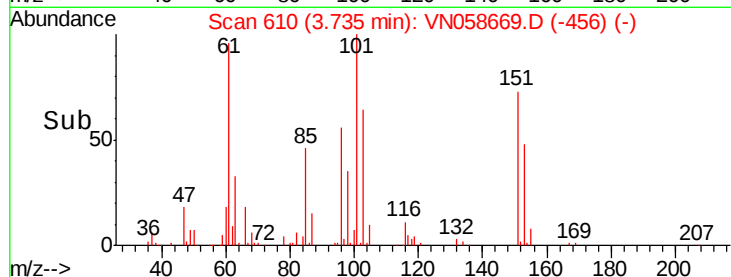
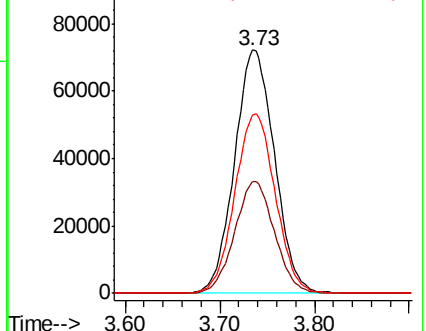
151 74.6 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.100 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

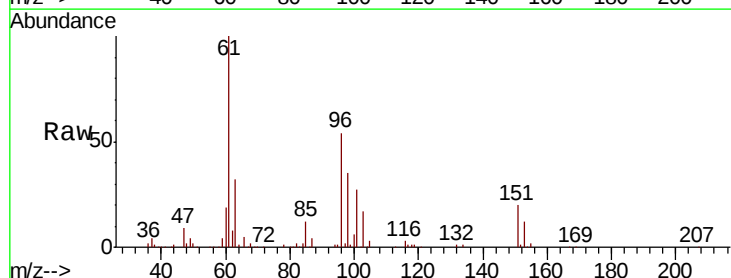
Tgt Ion: 96 Resp: 203593

Ion Ratio Lower Upper

96 100

61 185.8 148.5 222.7

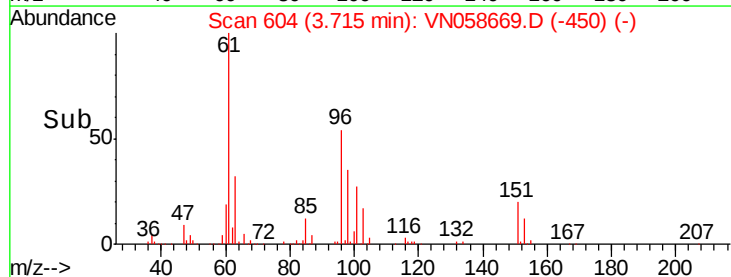
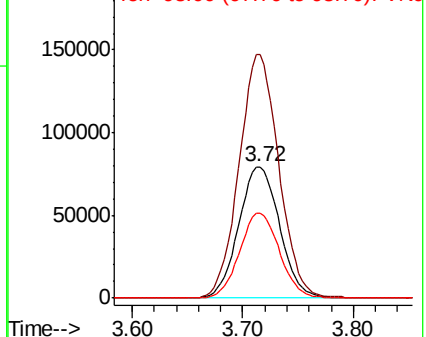
98 64.8 51.0 76.6

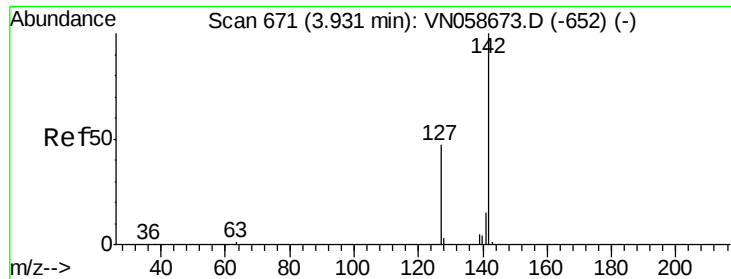


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

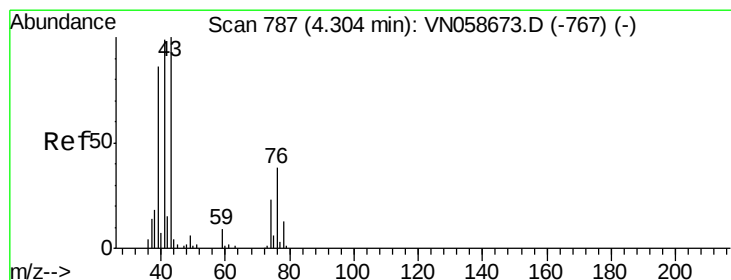
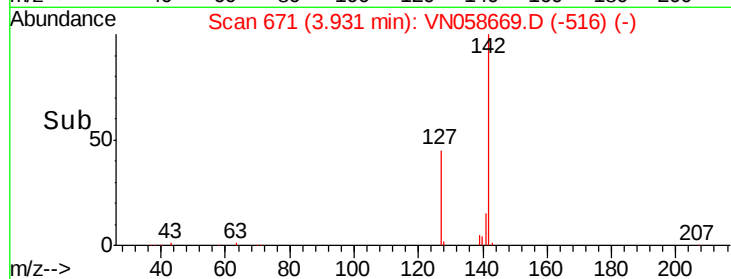
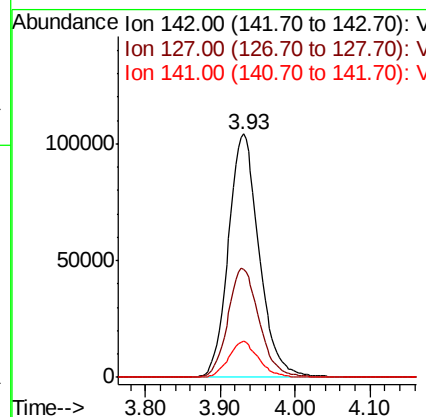
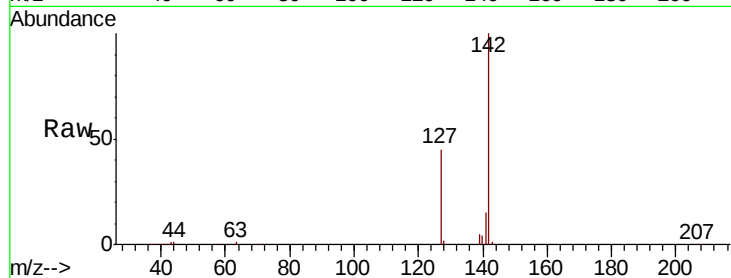




#11
Methvl Iodide
Concen: 64.274 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

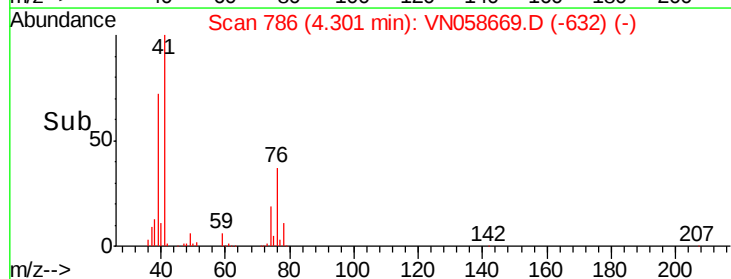
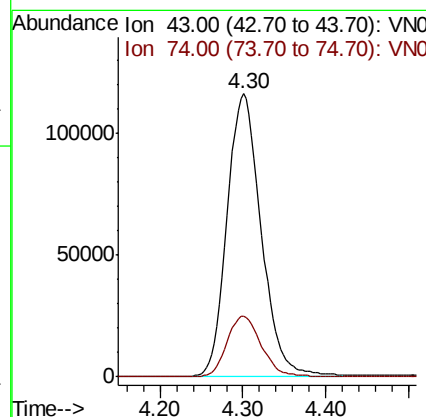
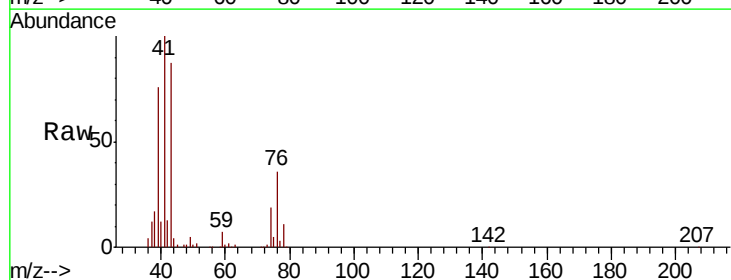
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

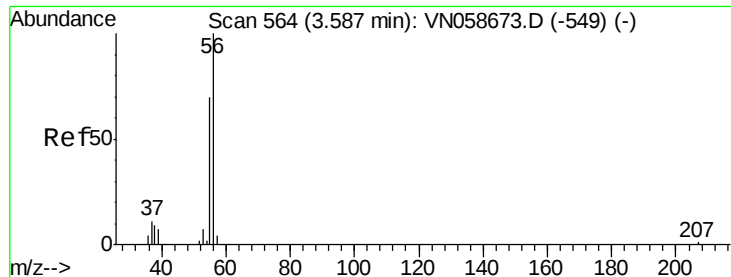
Tot Ion	Ratio	Lower	Upper
142	100		
127	44.6	23.5	70.6
141	15.0	7.4	22.2



#12
Methyl Acetate
Concen: 57.302 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	18.1	27.1





#13

Acrolein

Concen: 666.156 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

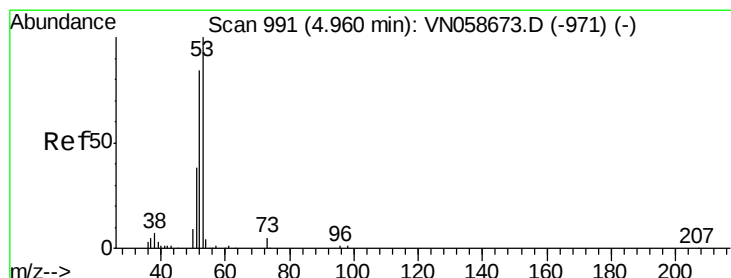
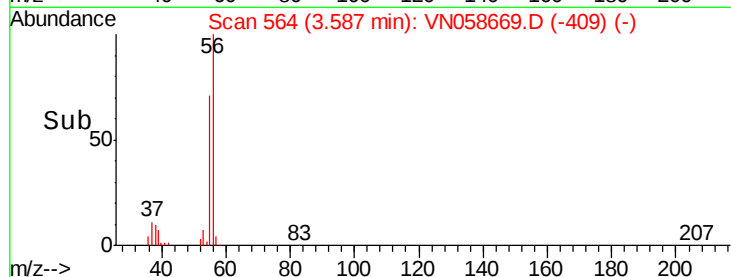
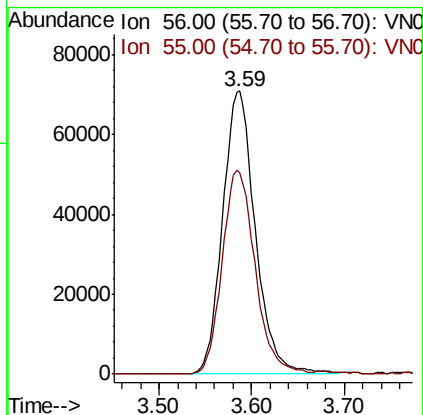
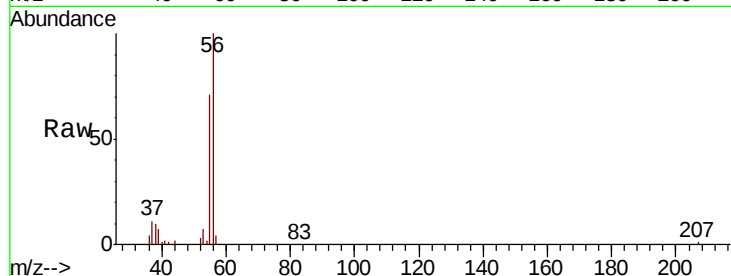
VSTDIC050

Tot Ion: 56 Resp: 173504

Ion Ratio Lower Upper

56 100

55 72.6 55.9 83.9



#14

Acrylonitrile

Concen: 283.323 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

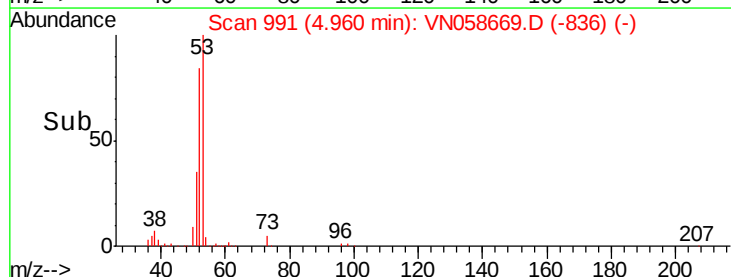
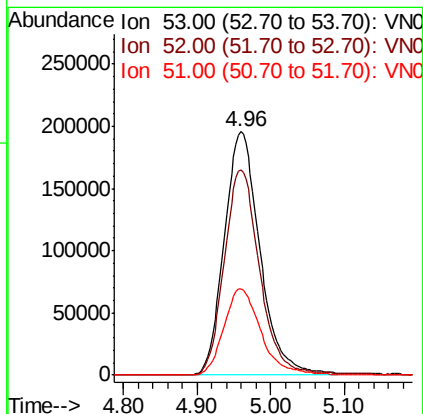
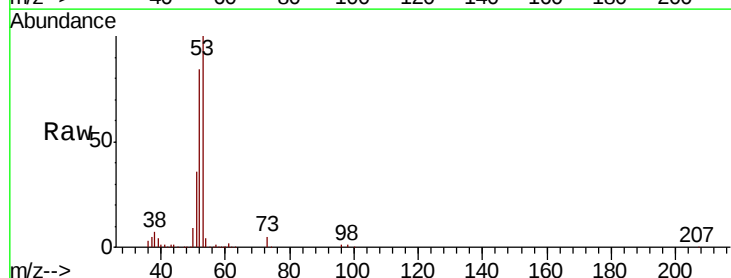
Tgt Ion: 53 Resp: 660404

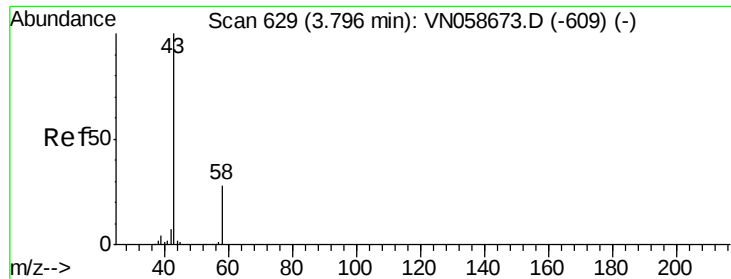
Ion Ratio Lower Upper

53 100

52 83.9 42.2 126.6

51 36.9 18.8 56.4





#15

Acetone

Concen: 320.096 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

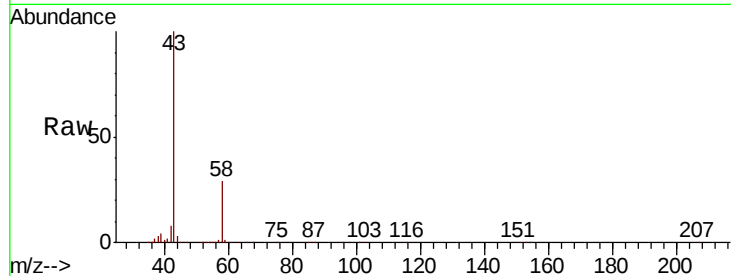
VSTDIC050

Tot Ion: 58 Resp: 206560

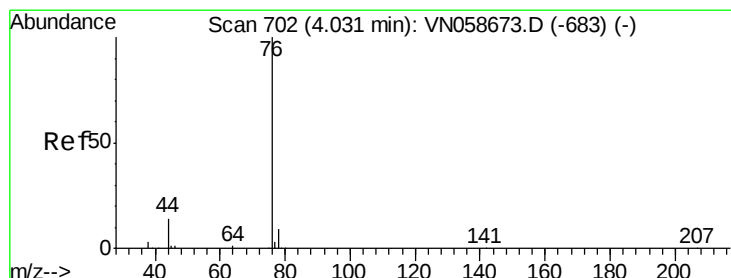
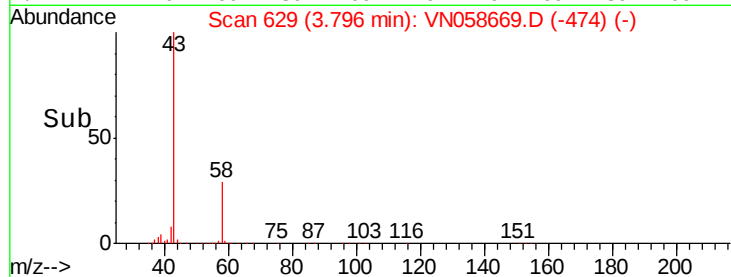
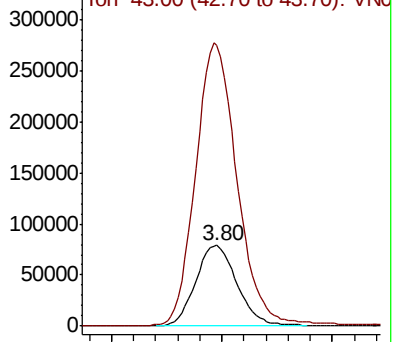
Ion Ratio Lower Upper

58 100

43 346.3 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN058669.D (-474) (-)



#16

Carbon Disulfide

Concen: 49.726 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058669.D

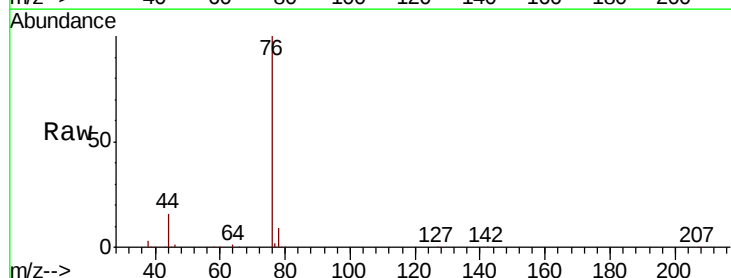
Acq: 10 Oct 2019 17:06

Tgt Ion: 76 Resp: 586401

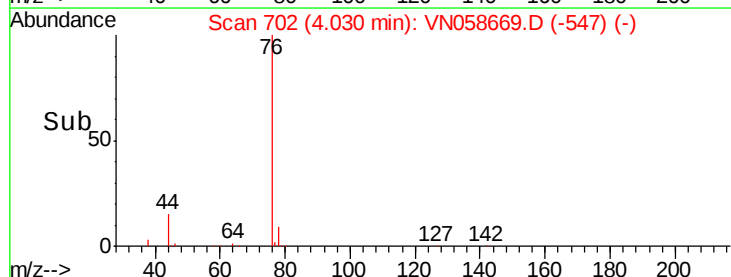
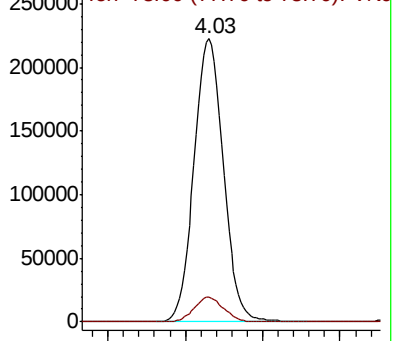
Ion Ratio Lower Upper

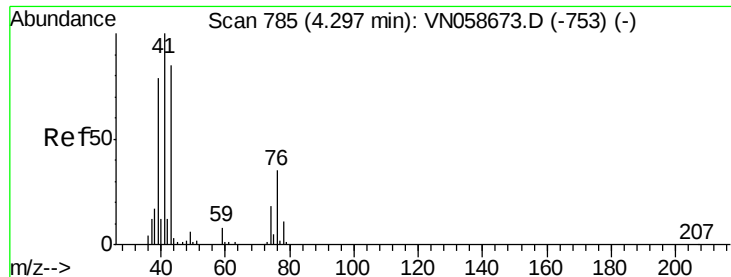
76 100

78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058669.D (-547) (-)

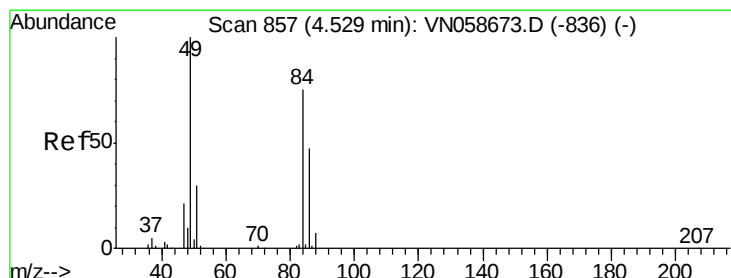
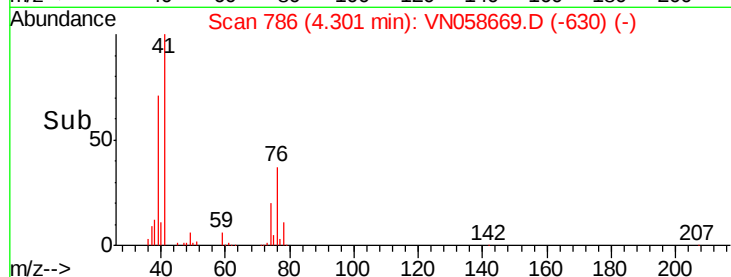
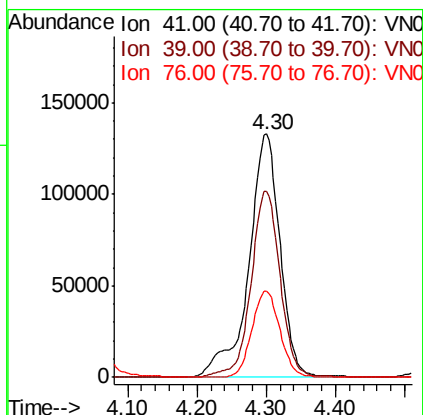
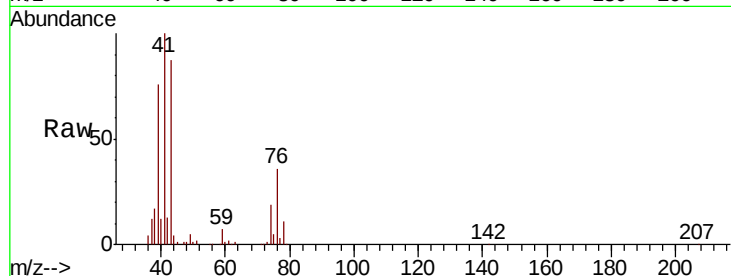




#17
Allvl chloride
Concen: 53.039 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

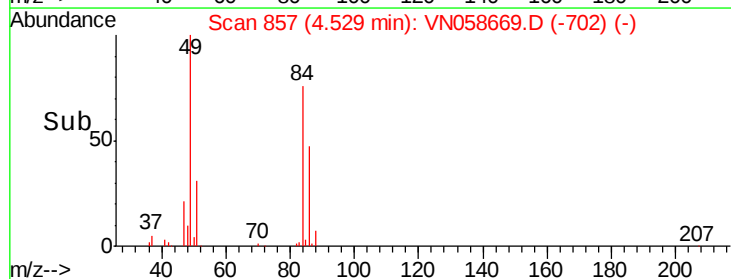
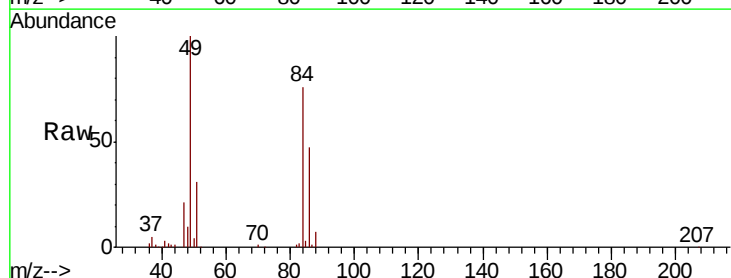
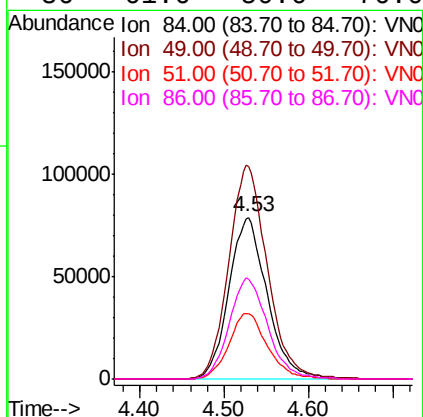
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

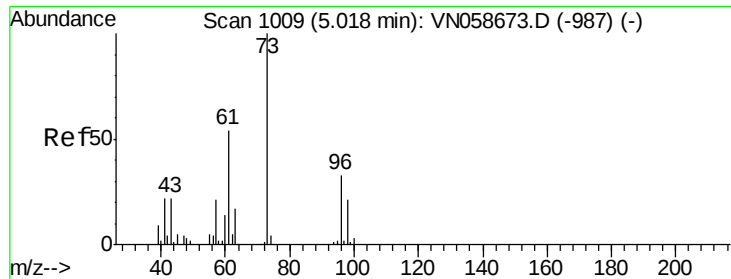
Tot Ion	Ratio	Lower	Upper
41	100		
39	76.4	39.6	118.8
76	35.4	17.6	52.9



#18
Methylene Chloride
Concen: 50.684 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.6	106.6	160.0
51	40.6	32.4	48.6
86	61.6	50.6	76.0

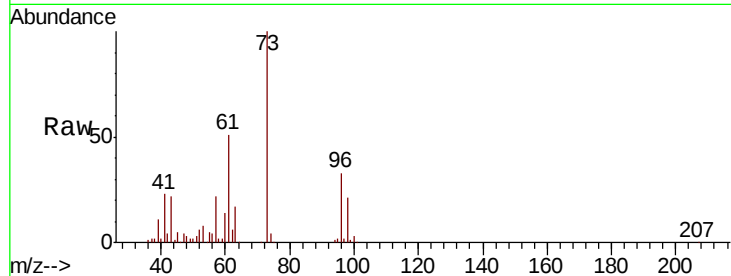




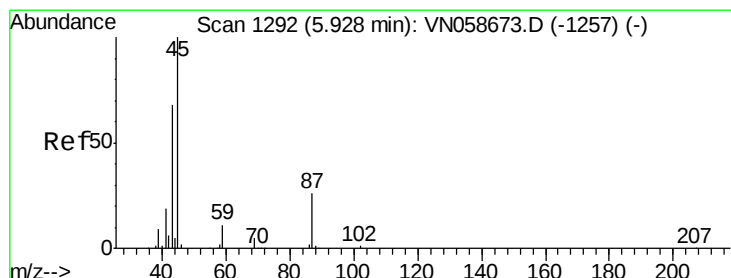
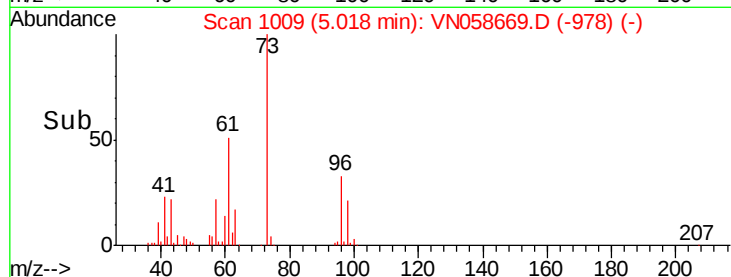
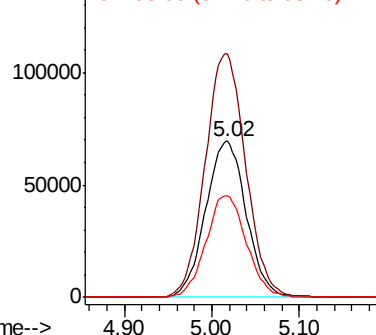
#19
trans-1,2-Dichloroethene
Concen: 48.379 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion: 96 Resp: 224147
Ion Ratio Lower Upper
96 100
61 155.4 131.8 197.6
98 65.1 52.6 79.0

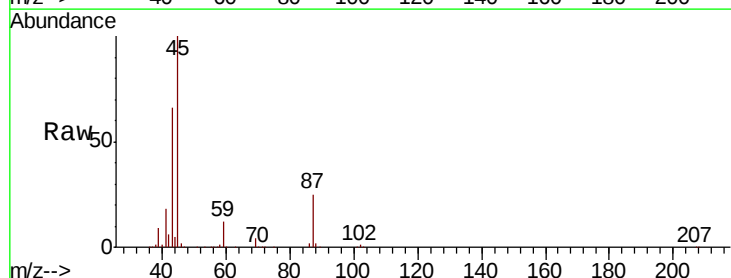


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

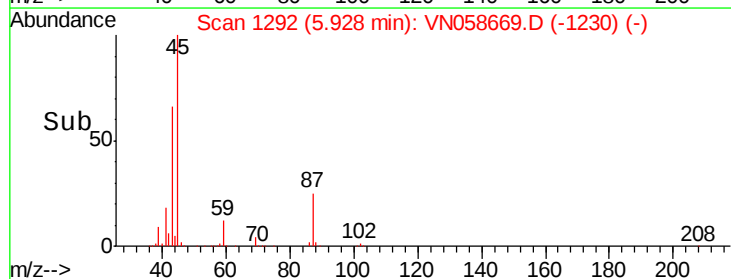
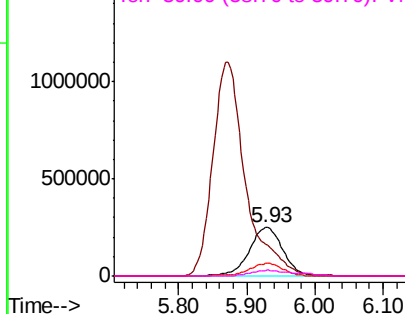


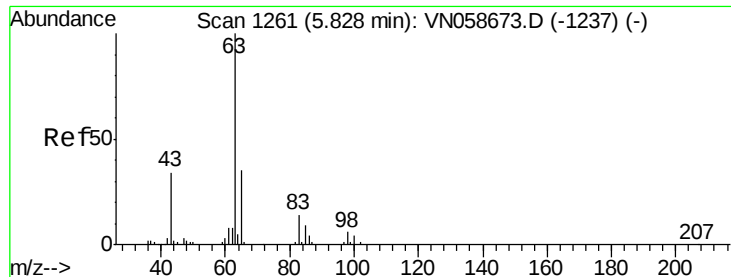
#20
Diisopropyl ether
Concen: 51.188 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 45 Resp: 849927
Ion Ratio Lower Upper
45 100
43 64.5 54.7 82.1
87 25.4 21.5 32.3
59 11.6 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 51.066 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

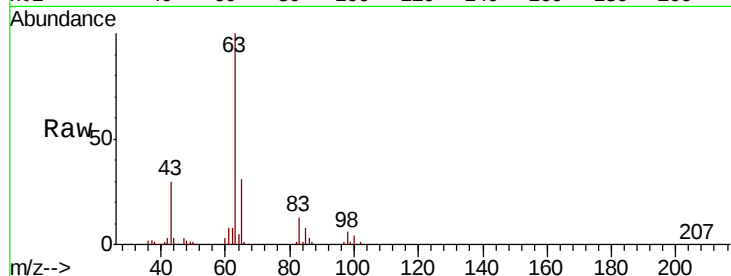
Tot Ion: 63 Resp: 472858

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

100 3.9 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN058673.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN058673.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN058673.D (-1237) (-)

5.82

150000

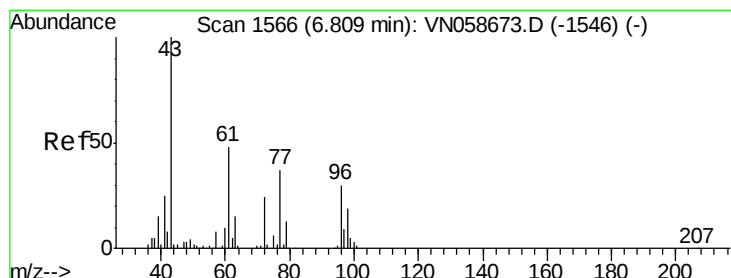
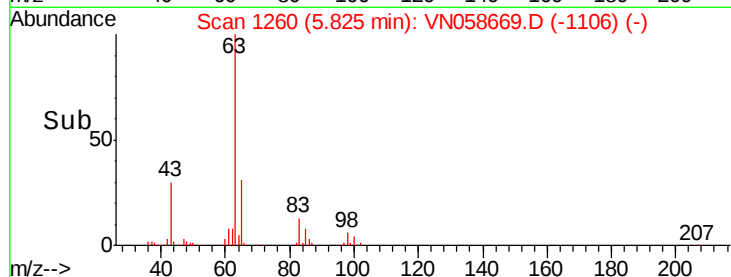
100000

50000

0

Time-->

5.70 5.80 5.90



#22

cis-1,2-Dichloroethene

Concen: 50.073 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

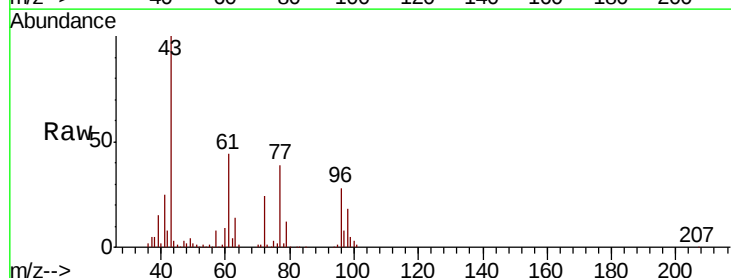
Tgt Ion: 96 Resp: 270584

Ion Ratio Lower Upper

96 100

61 159.7 127.2 190.8

98 64.7 50.5 75.7



Abundance Ion 96.00 (95.70 to 96.70): VN058673.D (-1546) (-)

Ion 61.00 (60.70 to 61.70): VN058673.D (-1546) (-)

Ion 98.00 (97.70 to 98.70): VN058673.D (-1546) (-)

6.81

150000

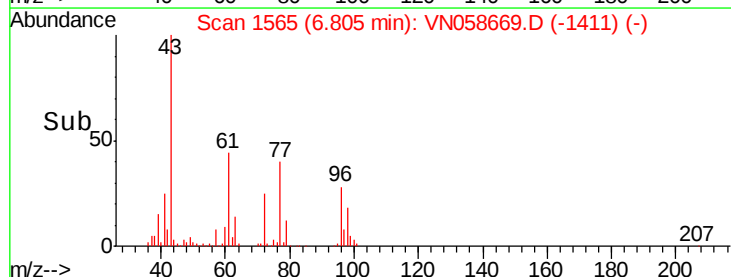
100000

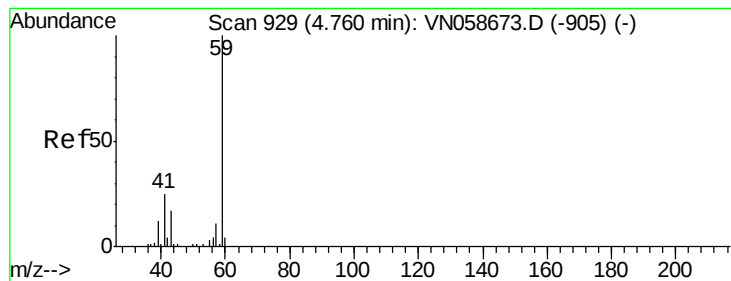
50000

0

Time-->

6.70 6.80 6.90





#23

tert-Butyl Alcohol

Concen: 303.758 ug/l

RT: 4.76 min Scan# 929

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

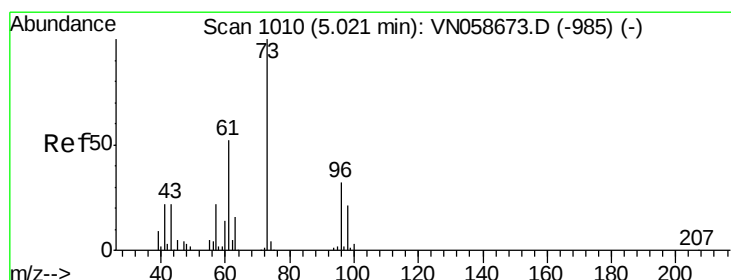
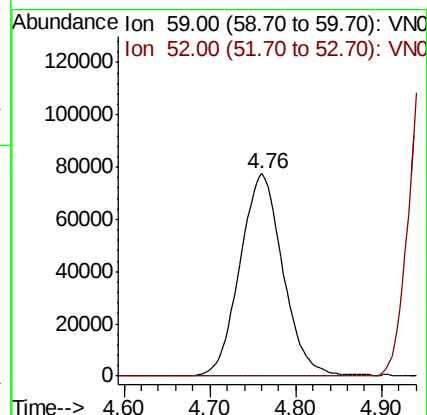
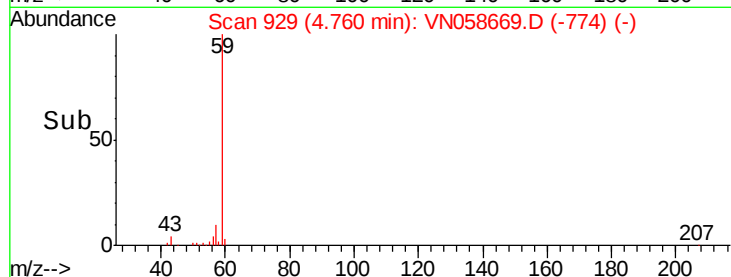
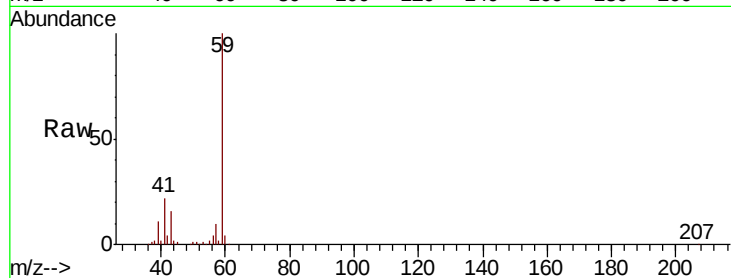
VSTDIC050

Tot Ion: 59 Resp: 268438

Ion Ratio Lower Upper

59 100

52 0.2 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 52.296 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058669.D

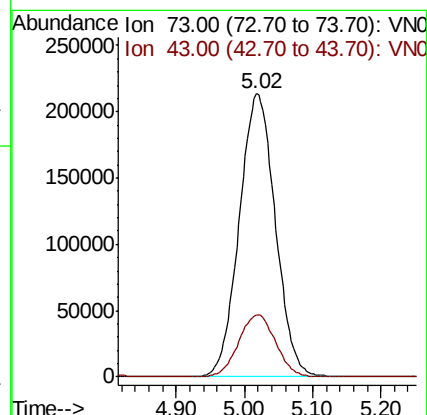
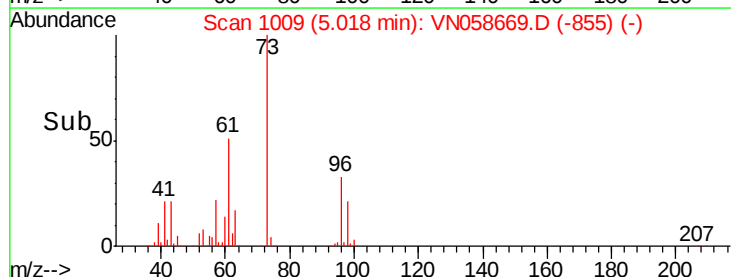
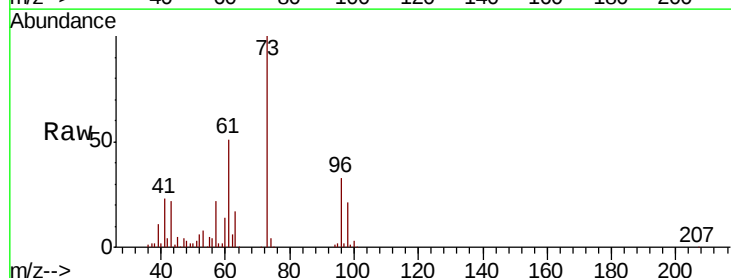
Acq: 10 Oct 2019 17:06

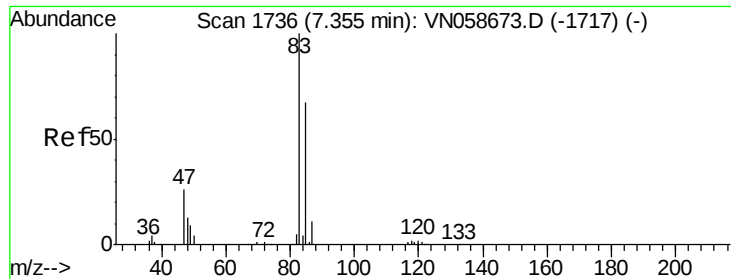
Tgt Ion: 73 Resp: 784522

Ion Ratio Lower Upper

73 100

43 22.3 17.9 26.9

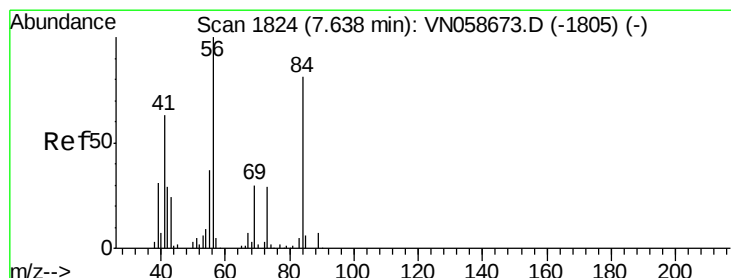
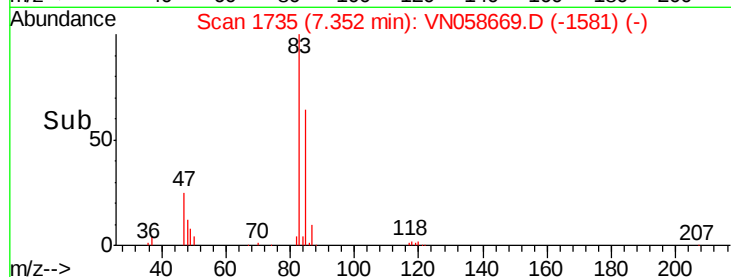
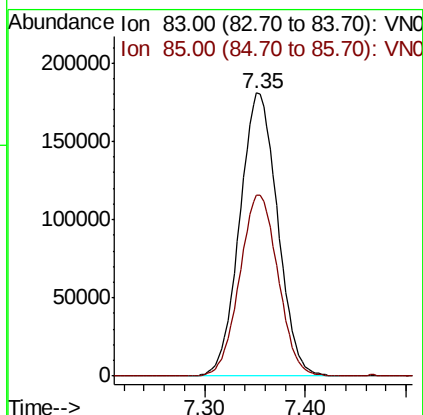
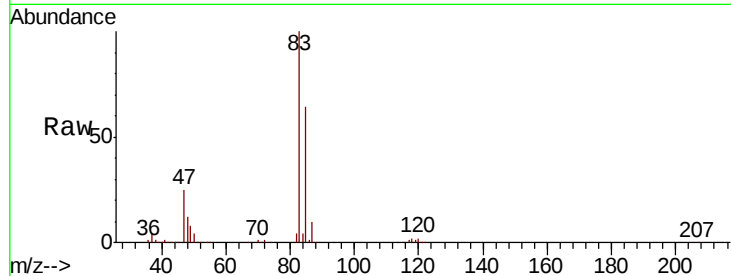




#25
Chloroform
Concen: 50.282 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

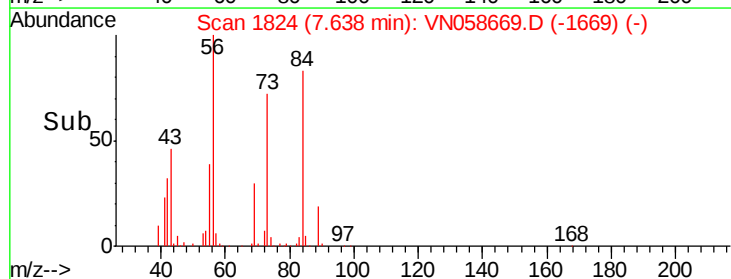
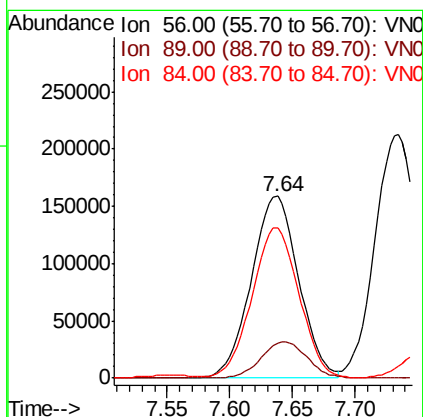
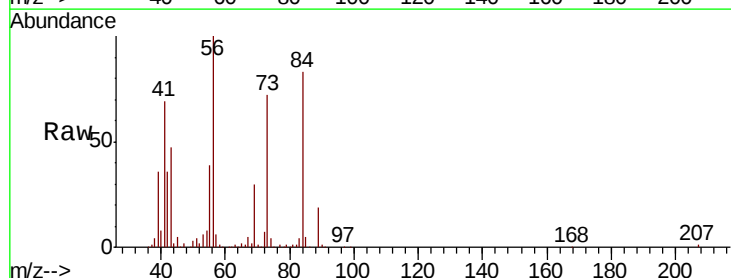
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

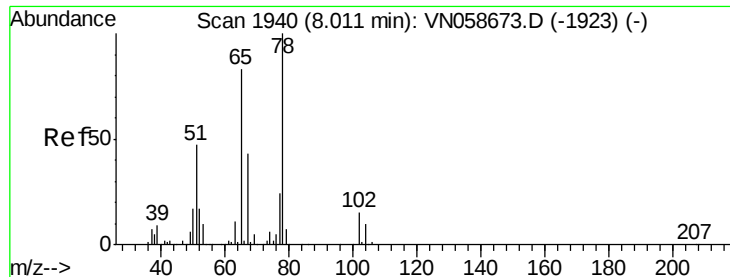
Tot Ion: 83 Resp: 470923
Ion Ratio Lower Upper
83 100
85 63.9 53.8 80.8



#26
Cyclohexane
Concen: 48.933 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 56 Resp: 417514
Ion Ratio Lower Upper
56 100
89 19.5 6.2 9.2#
84 81.4 65.6 98.4

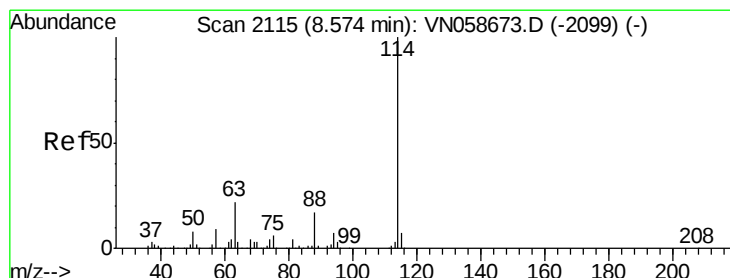
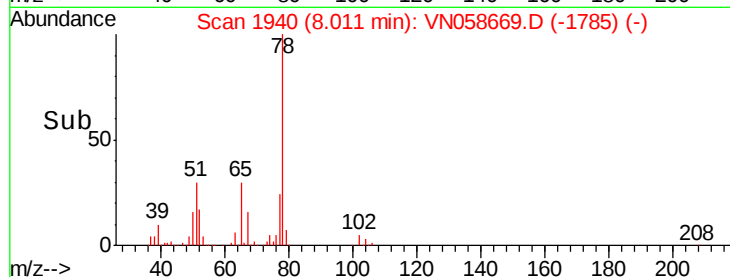
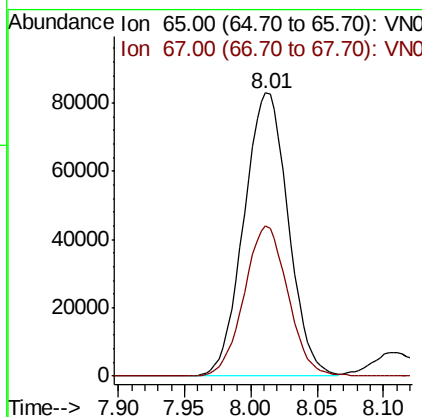
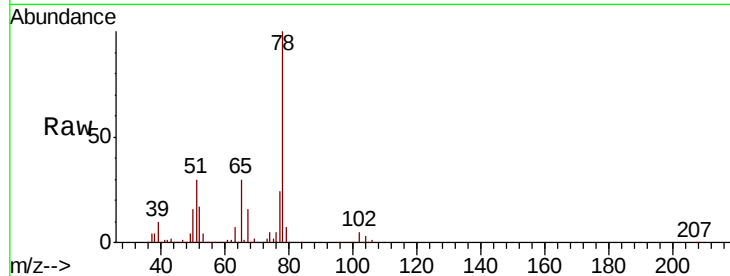




#27
 1,2-Dichloroethane-d4
 Concen: 29.155 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

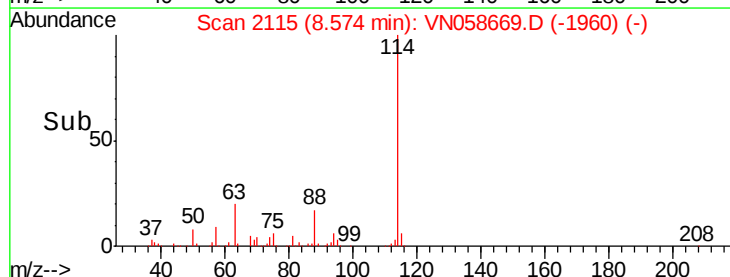
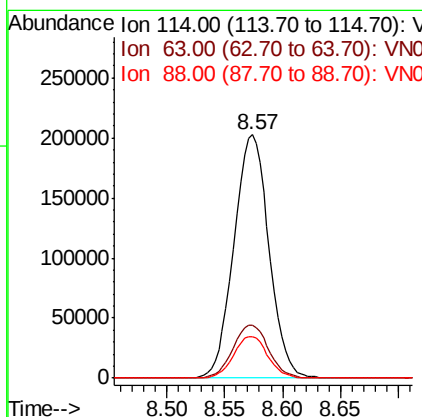
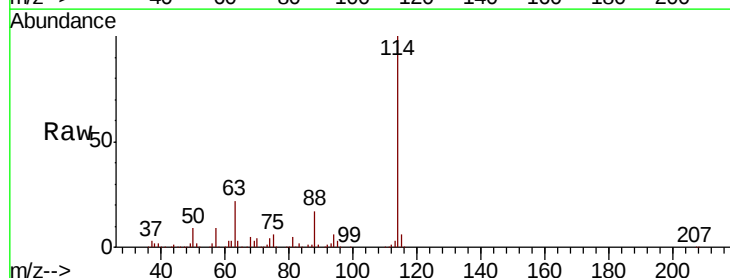
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

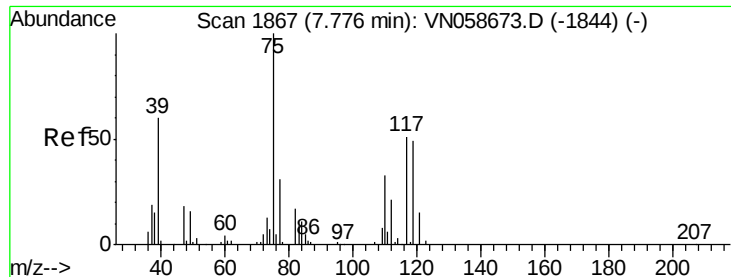
Tot Ion: 65 Resp: 193549
 Ion Ratio Lower Upper
 65 100
 67 52.5 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion: 114 Resp: 424534
 Ion Ratio Lower Upper
 114 100
 63 22.1 18.1 27.1
 88 16.7 13.0 19.4





#29

1,1-Dichloropropene

Concen: 51.548 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

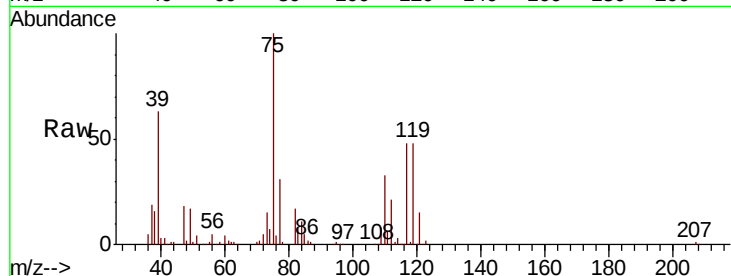
Tot Ion: 75 Resp: 357860

Ion Ratio Lower Upper

75 100

110 32.4 0.0 64.6

77 30.3 0.0 60.8



Abundance Ion 75.00 (74.70 to 75.70): VN058673.D (-1844) (-)

Ion 110.00 (109.70 to 110.70): VN058673.D (-1844) (-)

Ion 77.00 (76.70 to 77.70): VN058673.D (-1844) (-)

200000

150000

100000

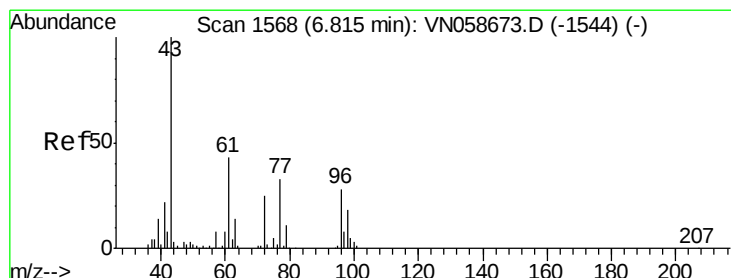
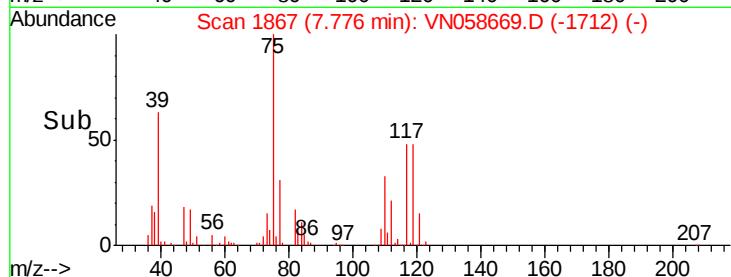
50000

0

7.78

7.70 7.80 7.90

Time-->



#30

2-Butanone

Concen: 318.485 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

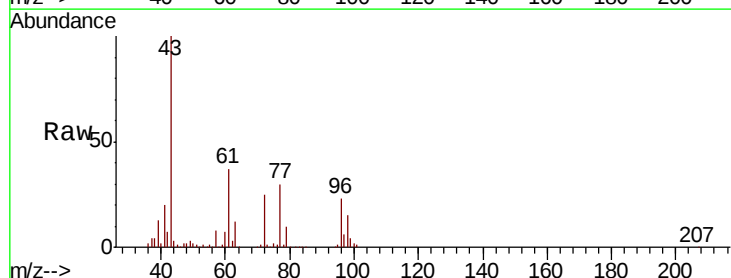
Tgt Ion: 43 Resp: 1043604

Ion Ratio Lower Upper

43 100

57 8.1 6.5 9.7

72 25.2 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1544) (-)

Ion 57.00 (56.70 to 57.70): VN058673.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058673.D (-1544) (-)

500000

400000

300000

200000

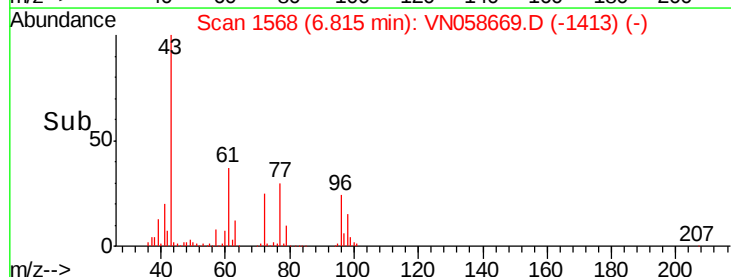
100000

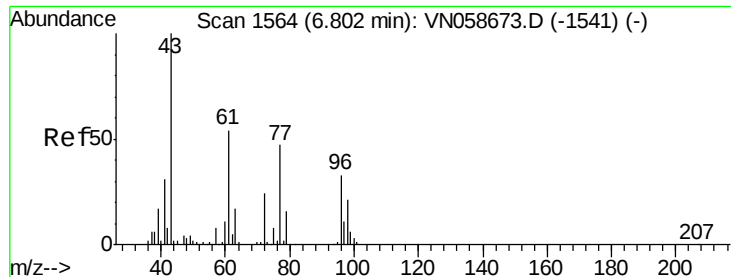
0

6.81

6.70 6.75 6.80 6.85 6.90

Time-->

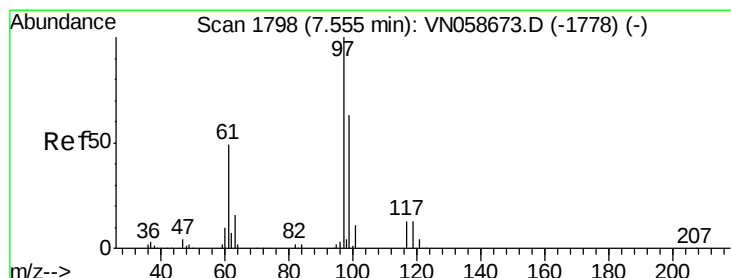
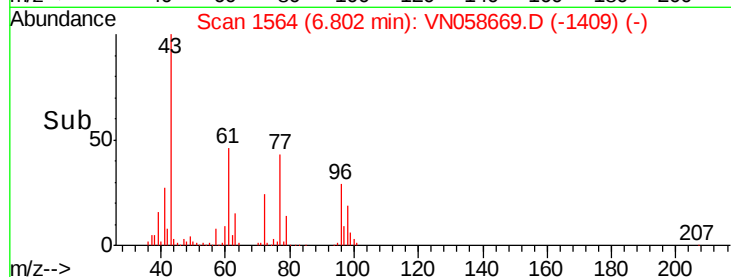
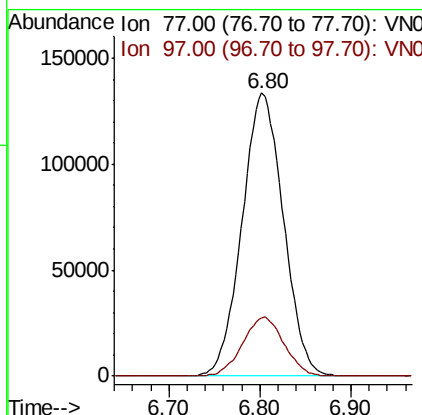
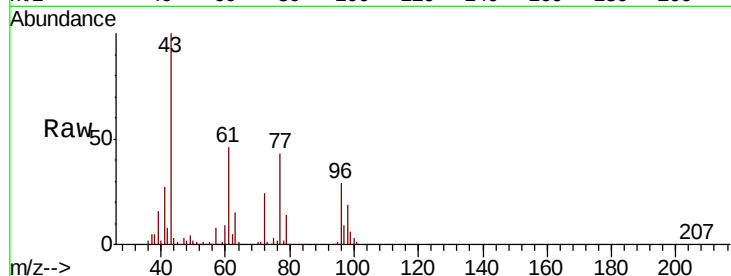




#31
 2,2-Dichloropropane
 Concen: 57.640 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

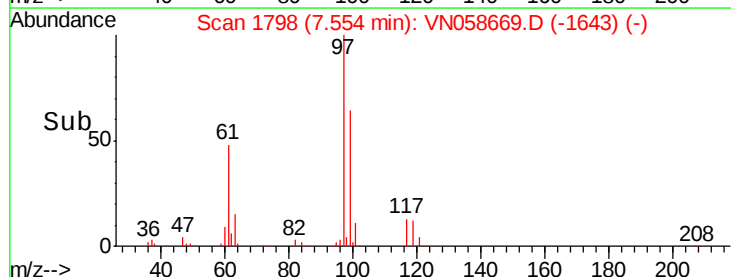
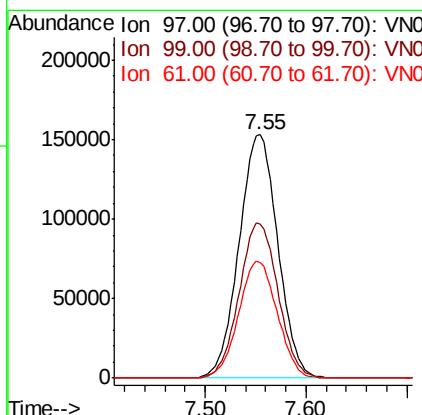
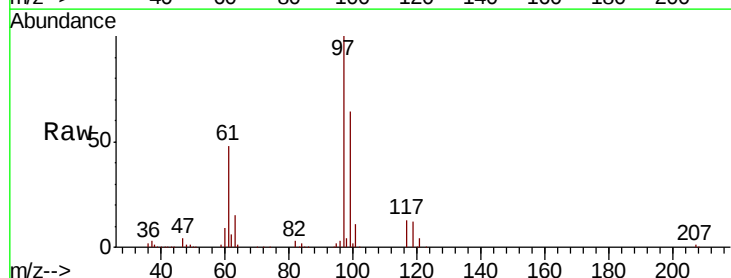
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

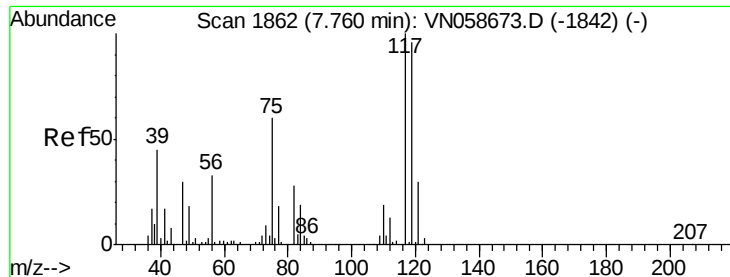
Tot Ion: 77 Resp: 421369
 Ion Ratio Lower Upper
 77 100
 97 20.8 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 53.609 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion: 97 Resp: 408784
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.3 76.9
 61 47.9 38.4 57.6

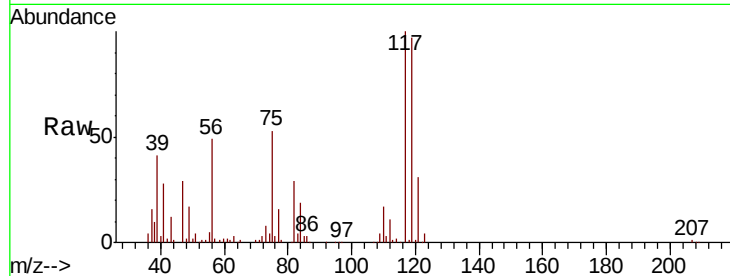




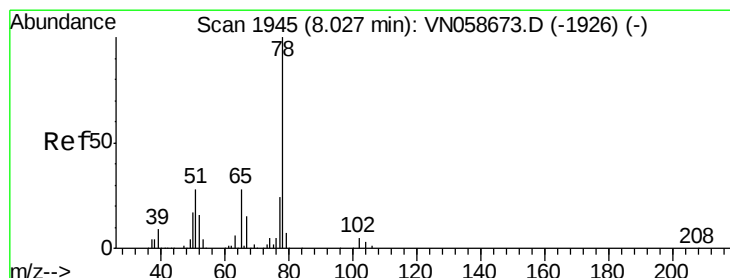
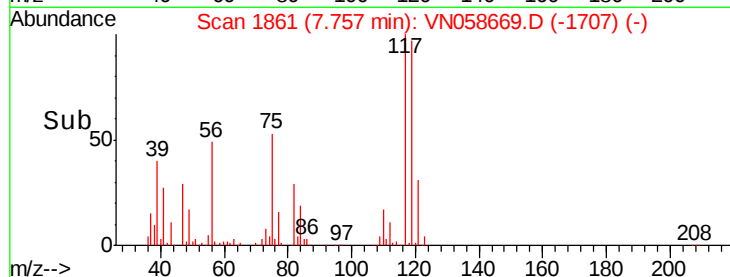
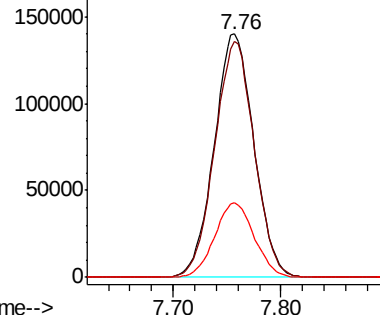
#33
Carbon Tetrachloride
Concen: 55.012 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:117 Resp: 357785
Ion Ratio Lower Upper
117 100
119 96.9 76.9 115.3
121 30.7 23.8 35.8

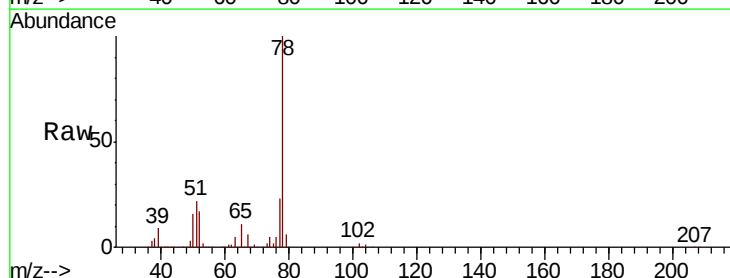


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

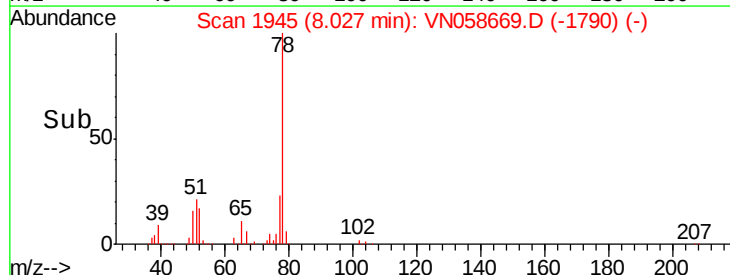
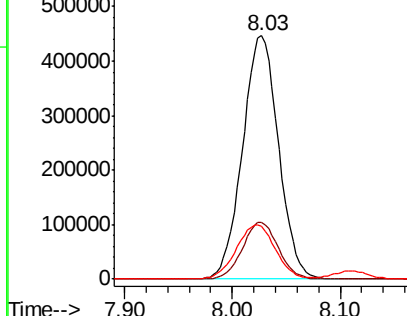


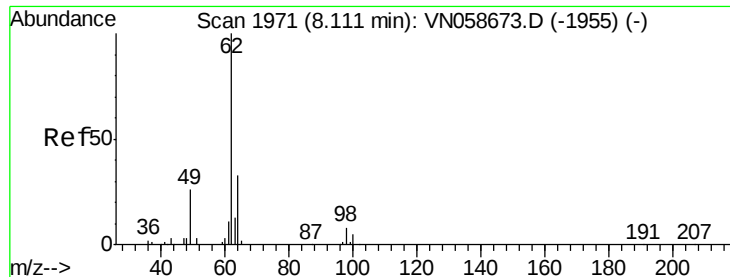
#34
Benzene
Concen: 52.267 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 78 Resp: 1035852
Ion Ratio Lower Upper
78 100
77 23.1 19.2 28.8
51 21.5 22.1 33.1#



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

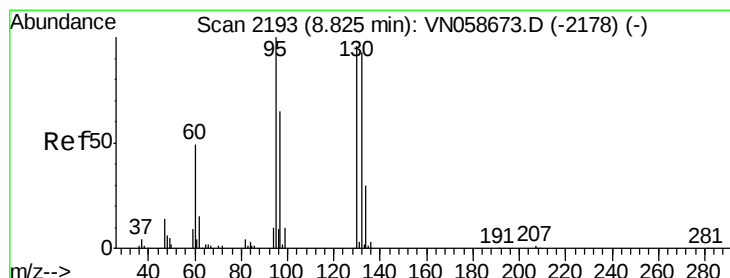
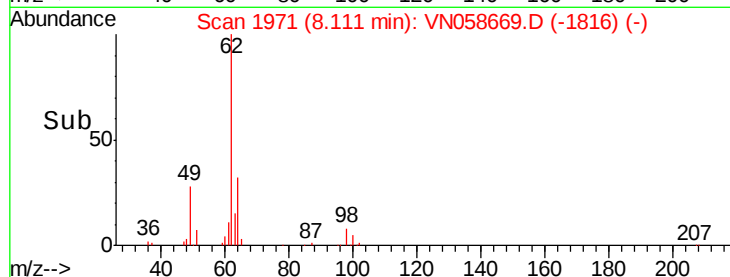
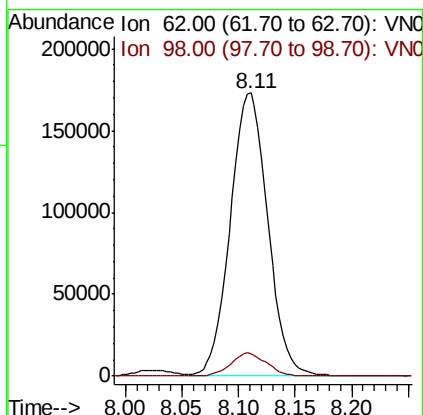
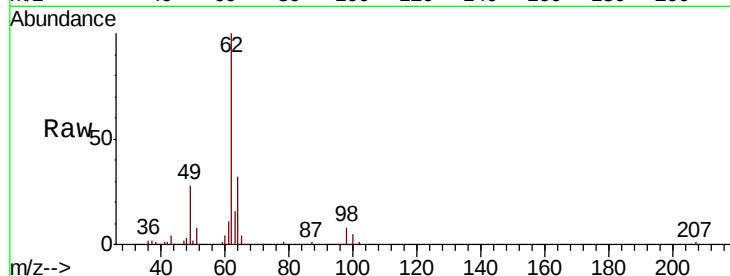




#36
 1,2-Dichloroethane
 Concen: 51.183 ug/l
 RT: 8.11 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

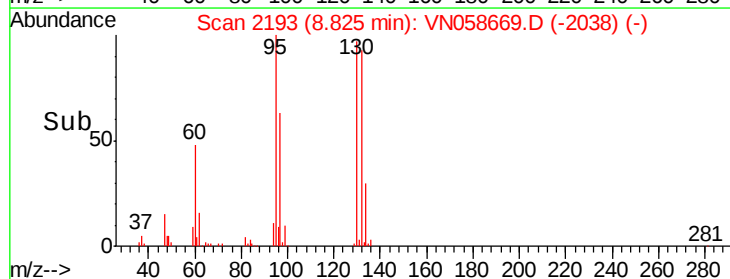
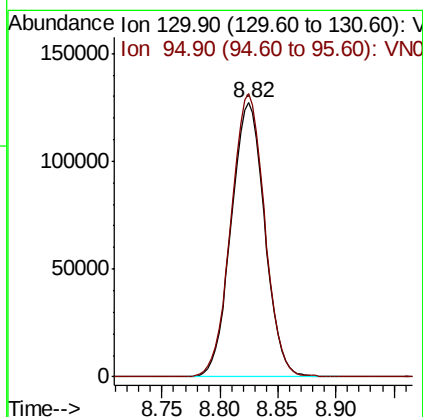
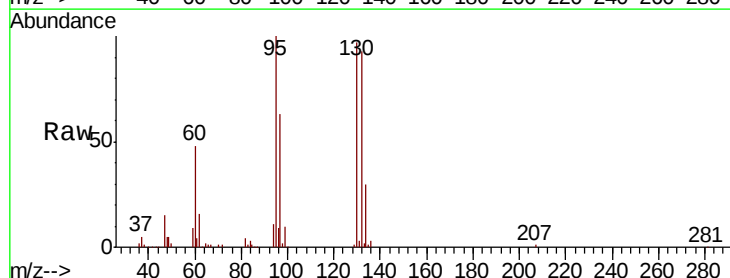
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

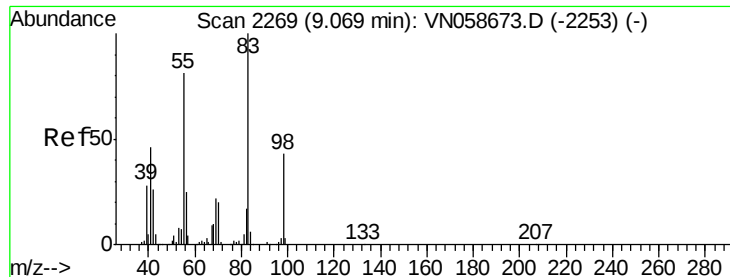
Tot Ion: 62 Resp: 397002
 Ion Ratio Lower Upper
 62 100
 98 7.8 6.4 9.6



#37
 Trichloroethene
 Concen: 51.527 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion: 130 Resp: 255209
 Ion Ratio Lower Upper
 130 100
 95 103.1 83.2 124.8

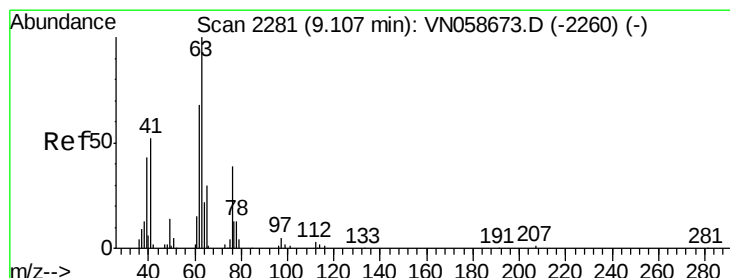
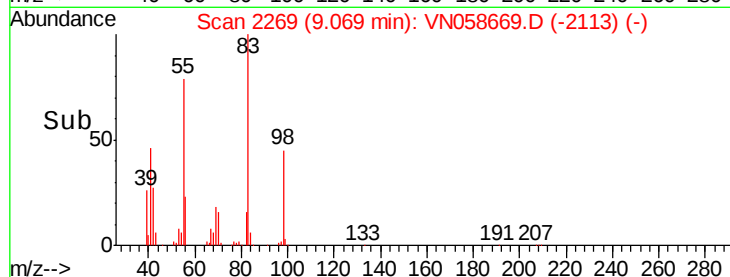
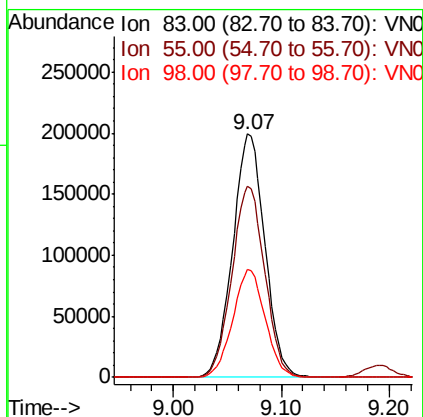
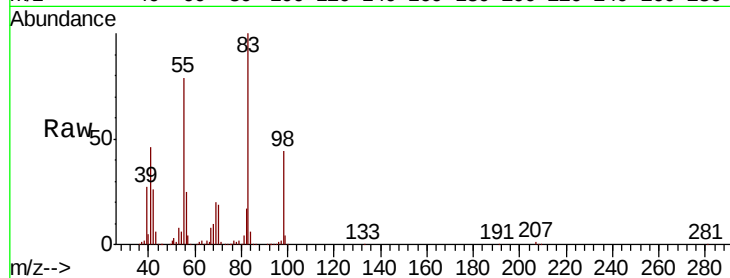




#38
Methvlcvclohexane
Concen: 49.613 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

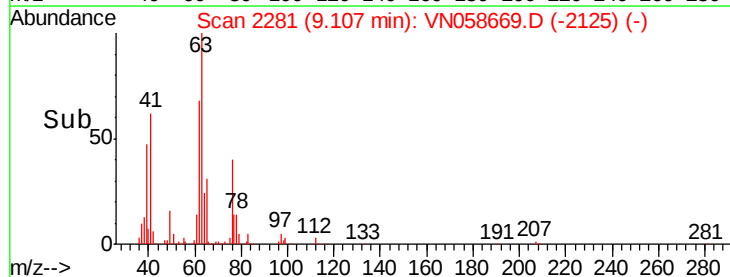
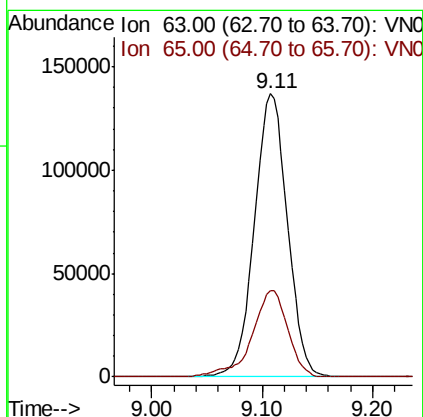
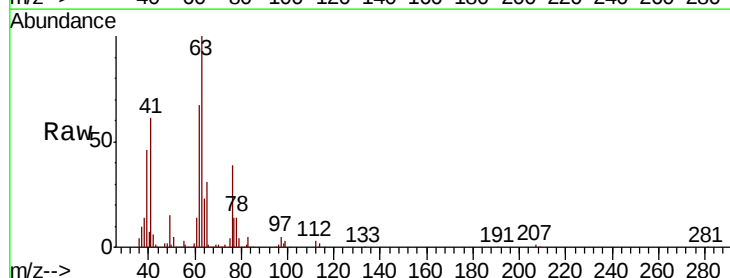
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

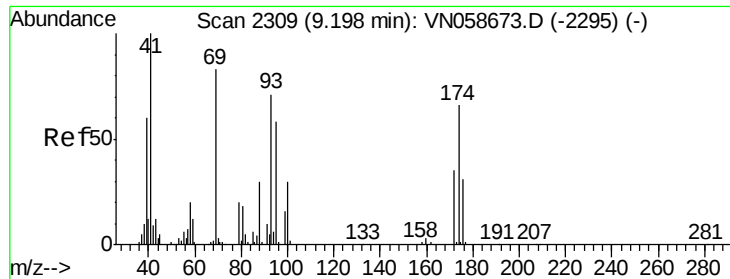
Tot Ion: 83 Resp: 413989
Ion Ratio Lower Upper
83 100
55 79.9 40.4 121.1
98 44.7 21.6 65.0



#39
1,2-Dichloropropane
Concen: 52.218 ug/l
RT: 9.11 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 63 Resp: 284268
Ion Ratio Lower Upper
63 100
65 30.6 23.8 35.6





#40

Dibromomethane

Concen: 52.531 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

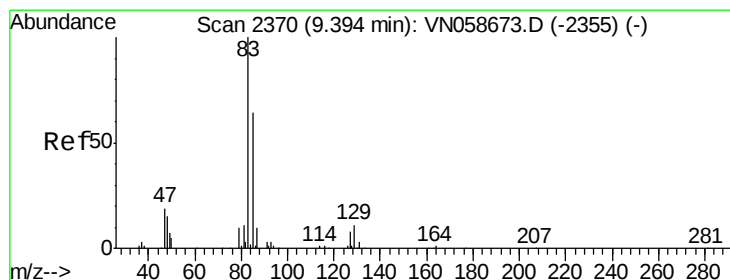
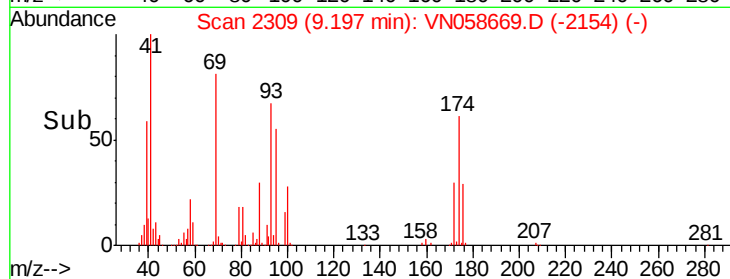
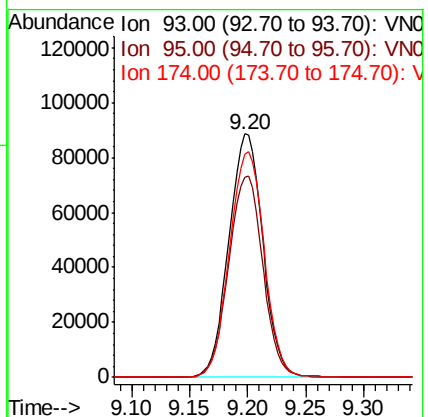
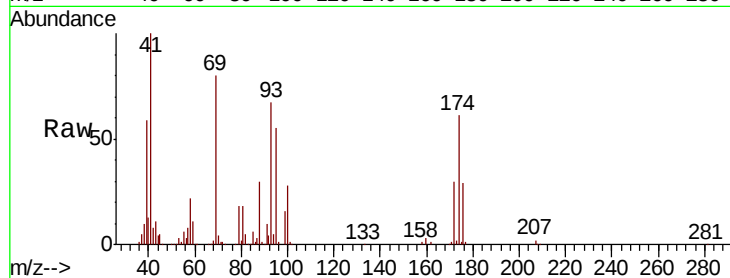
Tot Ion: 93 Resp: 179940

Ion Ratio Lower Upper

93 100

95 83.4 0.0 167.6

174 94.7 0.0 187.2



#41

Bromodichloromethane

Concen: 53.950 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

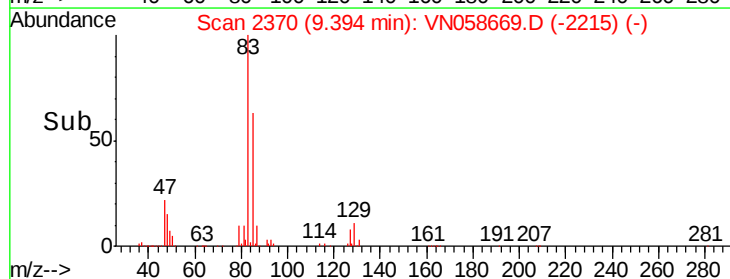
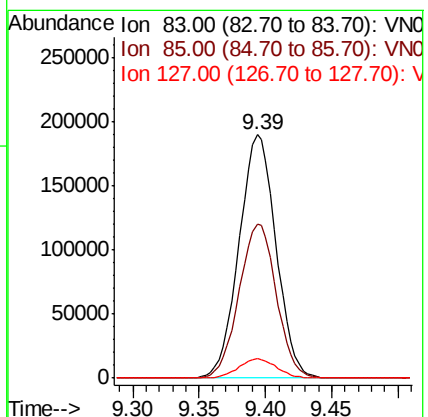
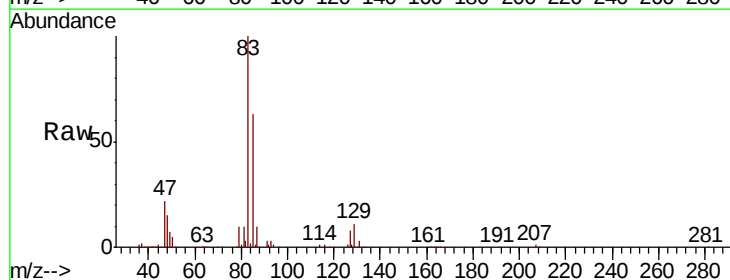
Tgt Ion: 83 Resp: 369088

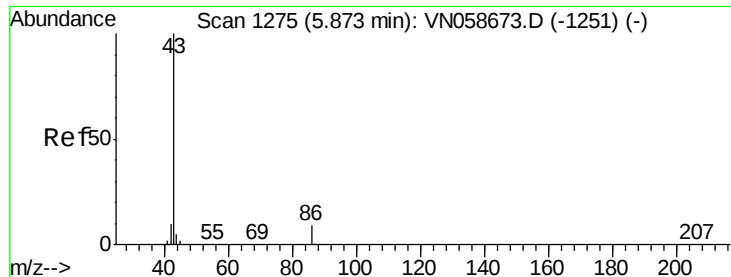
Ion Ratio Lower Upper

83 100

85 63.2 51.0 76.4

127 8.0 6.6 9.8





#42

Vinyl Acetate

Concen: 298.821 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

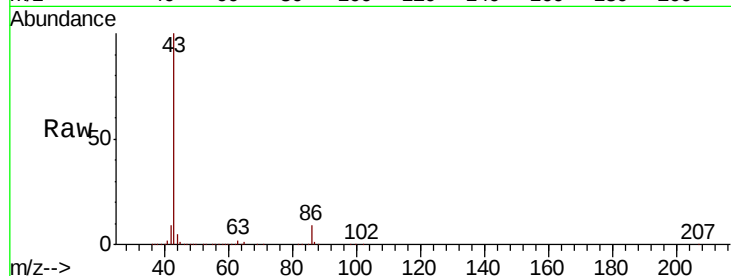
VSTDIC050

Tot Ion: 43 Resp: 3673389

Ion Ratio Lower Upper

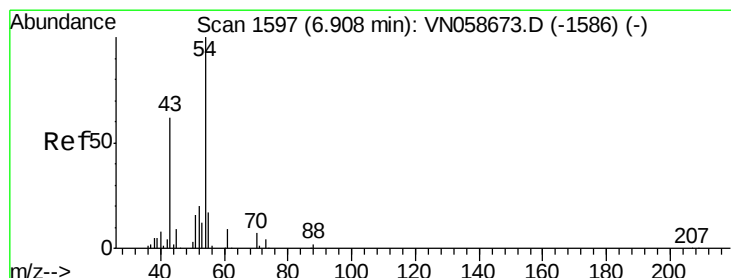
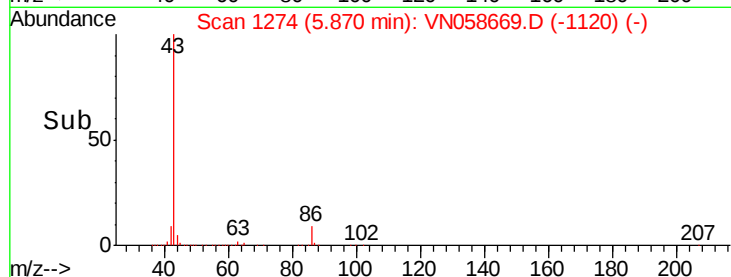
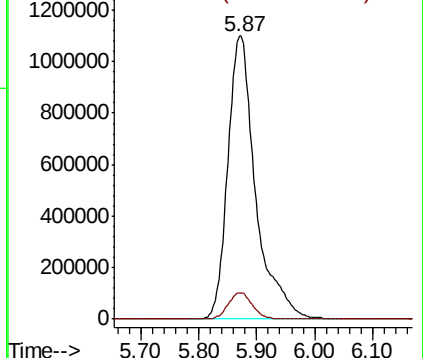
43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#43

Ethyl Acetate

Concen: 59.585 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058669.D

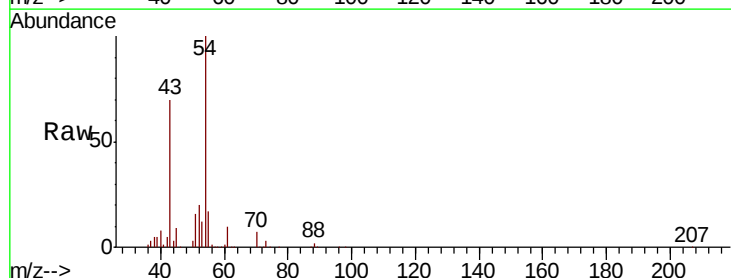
Acq: 10 Oct 2019 17:06

Tgt Ion: 43 Resp: 391544

Ion Ratio Lower Upper

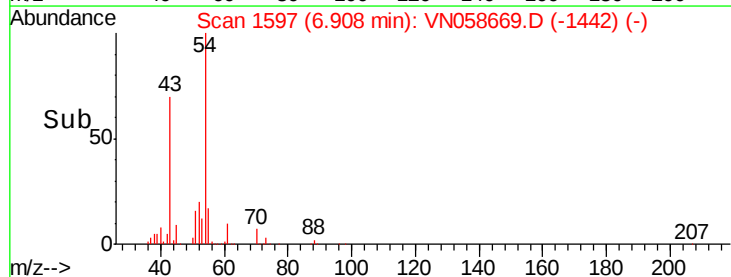
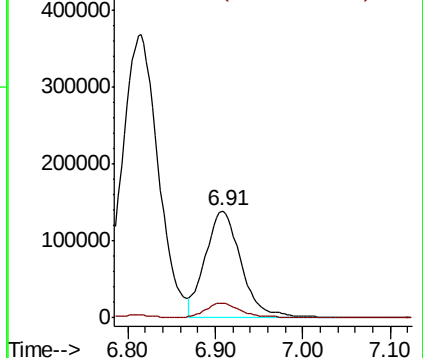
43 100

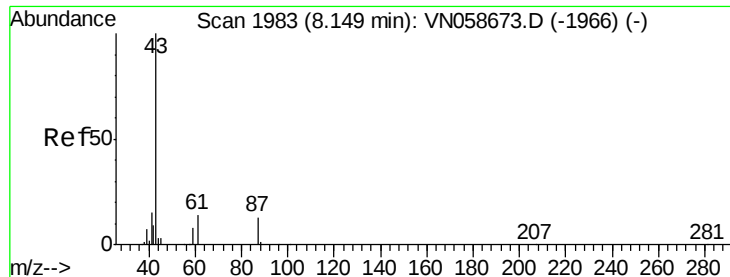
45 14.2 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#44

Isopropyl Acetate

Concen: 56.102 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

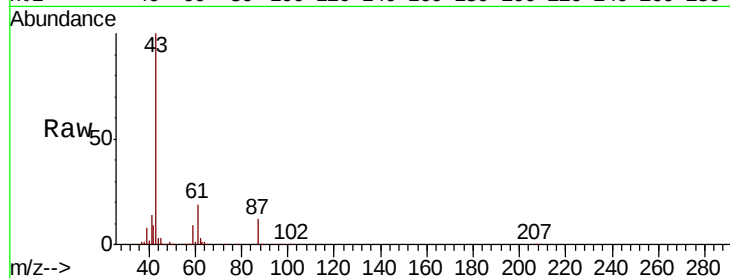
VSTDIC050

Tot Ion: 43 Resp: 641812

Ion Ratio Lower Upper

43 100

61 19.7 19.9 29.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

8.15

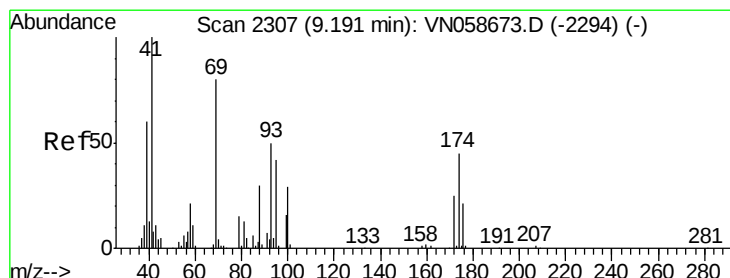
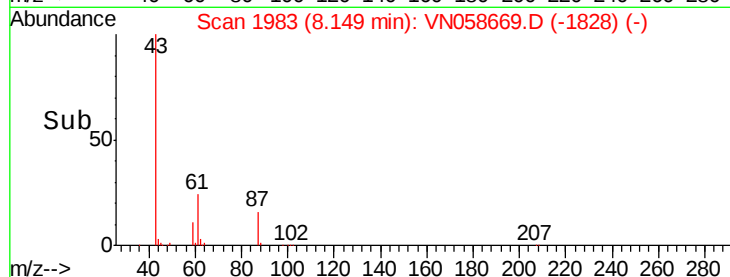
300000

200000

100000

0

Time-->



#45

1,4-Dioxane

Concen: 1049.009 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

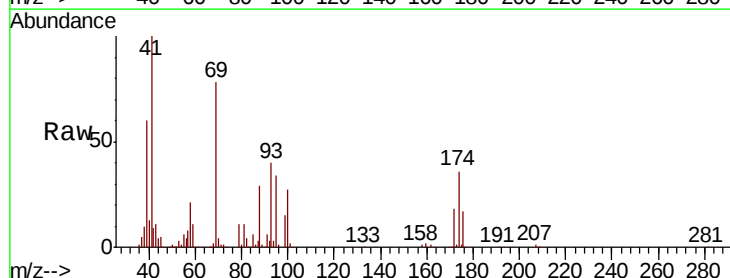
Tgt Ion: 88 Resp: 98380

Ion Ratio Lower Upper

88 100

43 36.2 29.8 44.8

58 72.3 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

9.19

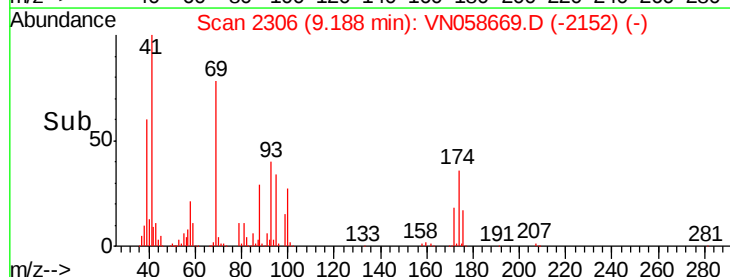
300000

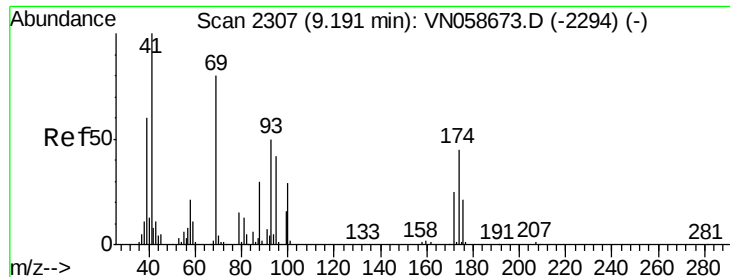
200000

100000

0

Time-->

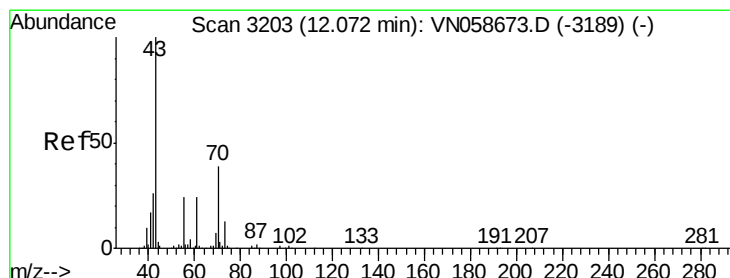
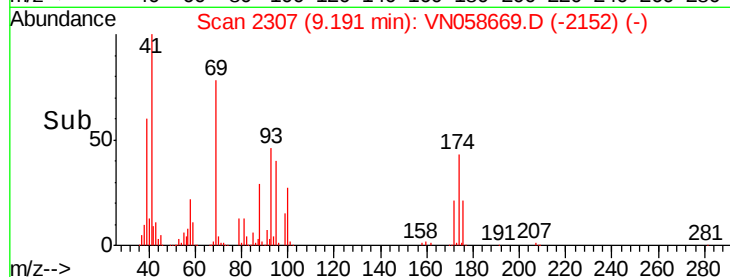
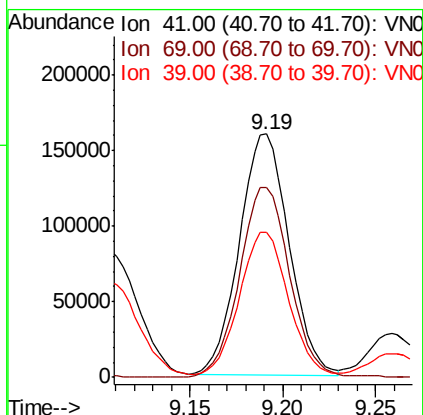
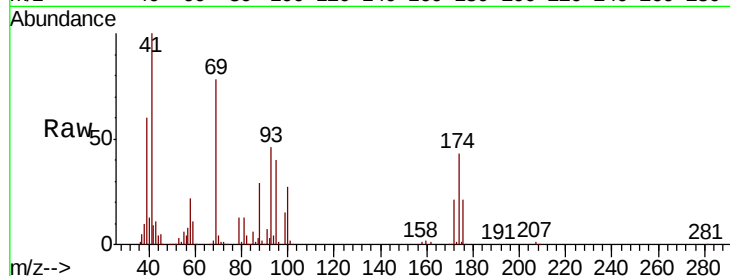




#46
Methyl methacrylate
Concen: 55.192 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

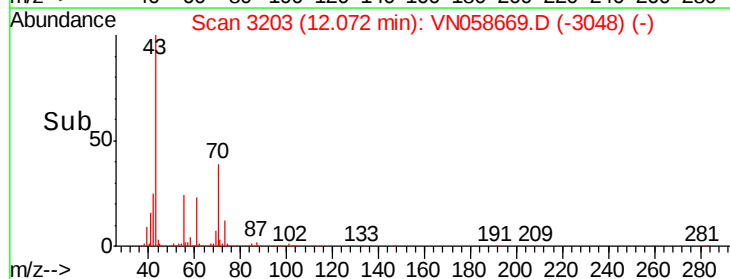
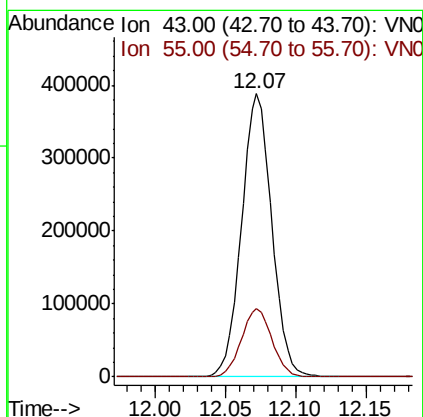
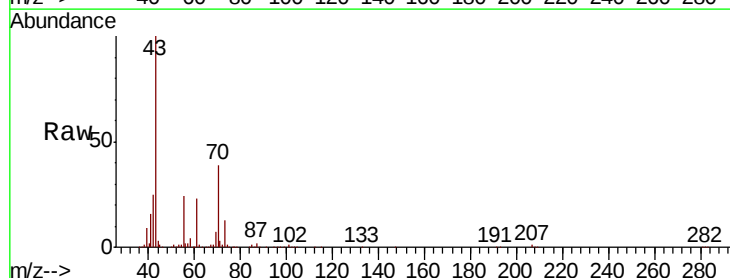
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

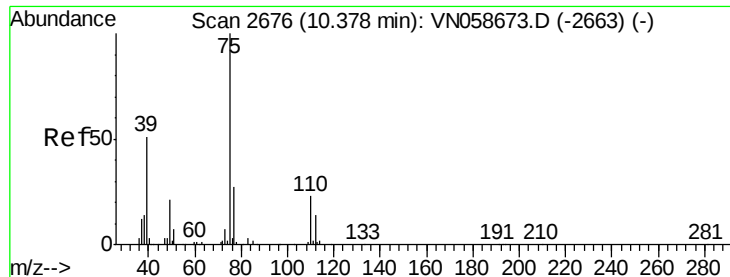
Tot Ion: 41 Resp: 297577
Ion Ratio Lower Upper
41 100
69 78.6 40.2 120.5
39 59.3 29.9 89.8



#47
n-ethyl acetate
Concen: 57.854 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 43 Resp: 580426
Ion Ratio Lower Upper
43 100
55 24.6 19.6 29.4





#48

t-1,3-Dichloropropene

Concen: 56.893 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

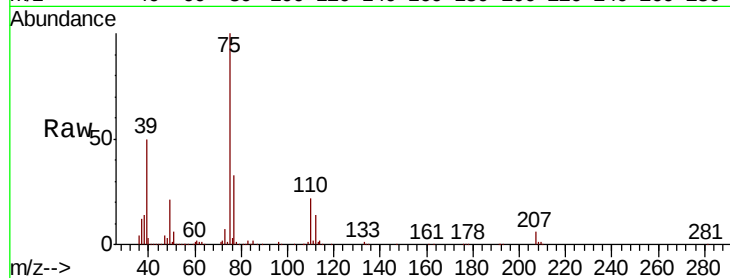
VSTDIC050

Tot Ion: 75 Resp: 431570

Ion Ratio Lower Upper

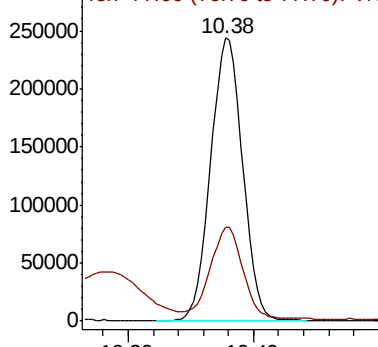
75 100

77 32.2 27.0 40.4

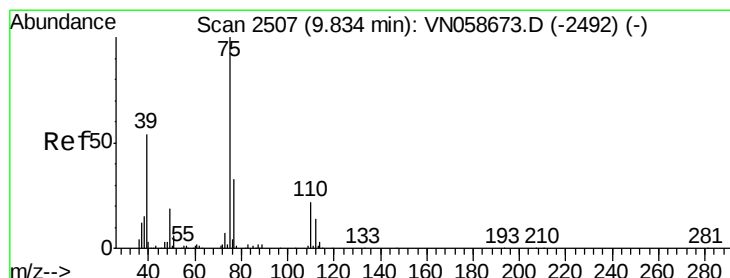
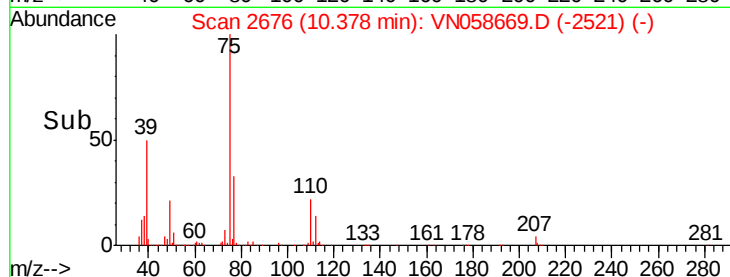


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#49

cis-1,3-Dichloropropene

Concen: 54.343 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

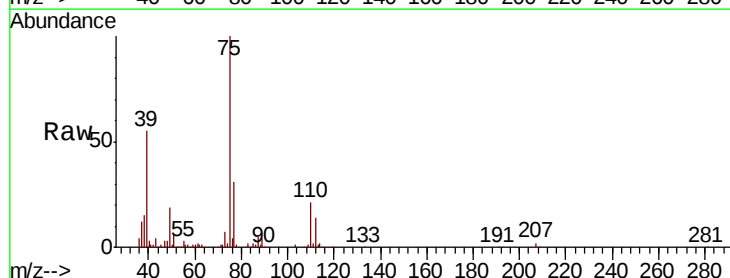
Tgt Ion: 75 Resp: 451478

Ion Ratio Lower Upper

75 100

77 31.3 26.1 39.1

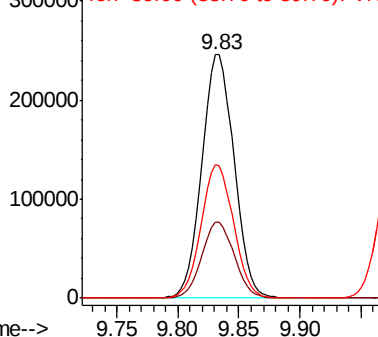
39 54.9 43.1 64.7



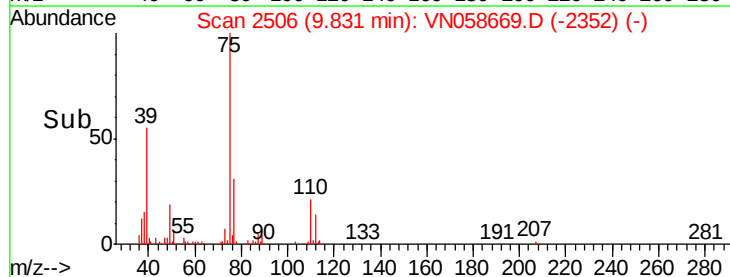
Abundance Ion 75.00 (74.70 to 75.70): VN0

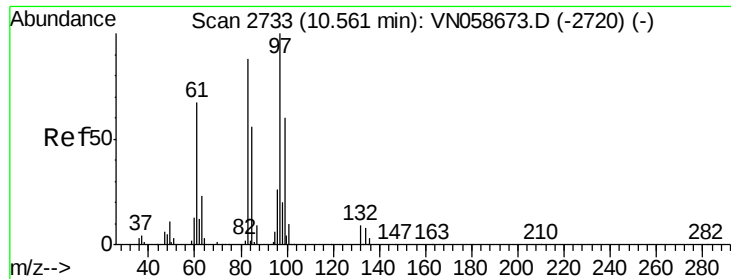
Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->

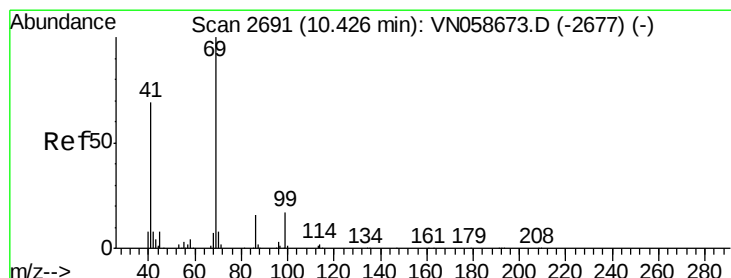
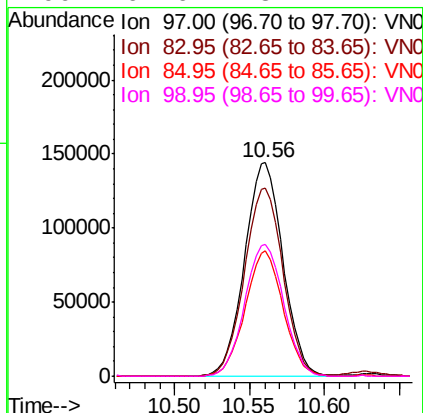
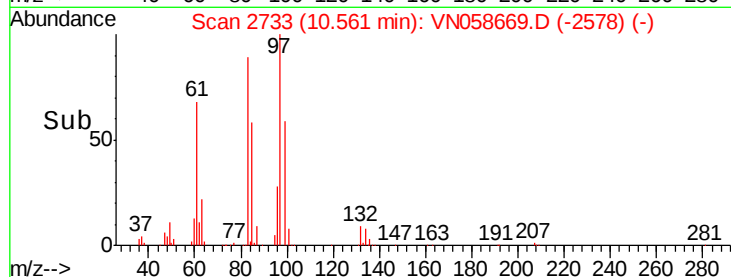
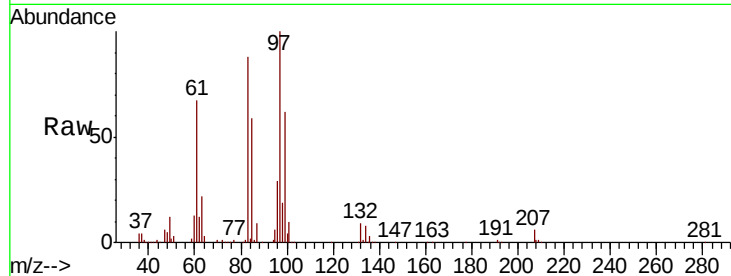




#50
 1,1,2-Trichloroethane
 Concen: 53.682 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

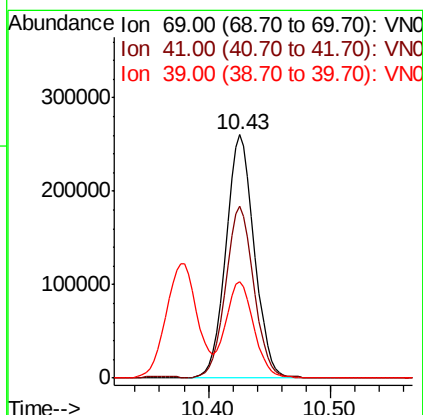
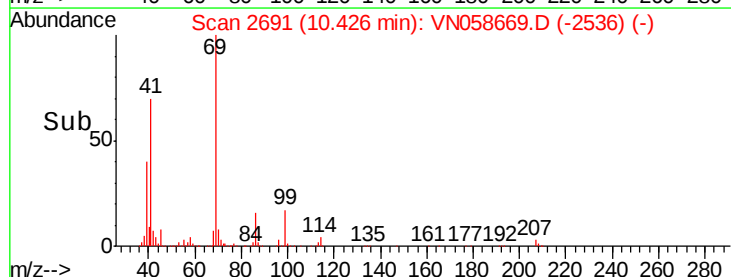
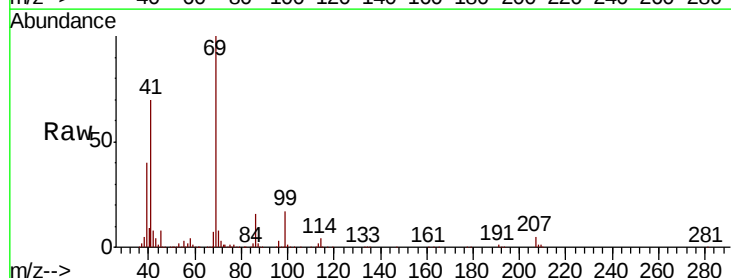
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

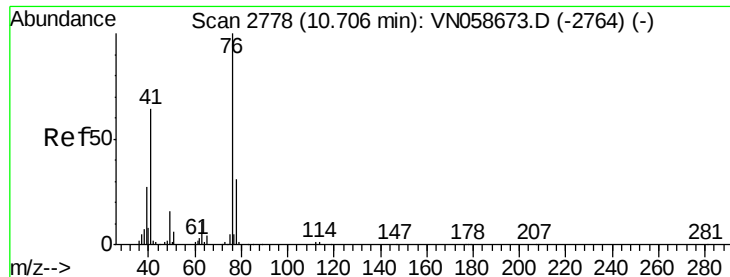
Tot Ion:	97	Resp:	257898
Ion	Ratio	Lower	Upper
97	100		
83	88.4	70.7	106.1
85	58.5	45.1	67.7
99	61.6	48.2	72.4



#51
 Ethyl methacrylate
 Concen: 55.556 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion:	69	Resp:	423428
Ion	Ratio	Lower	Upper
69	100		
41	70.3	34.7	104.1
39	39.6	20.3	60.8





#52

1,3-Dichloropropane

Concen: 53.608 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

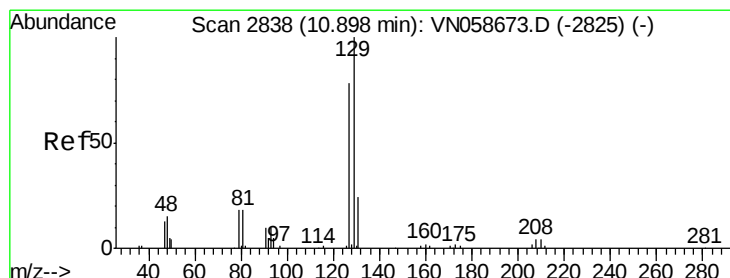
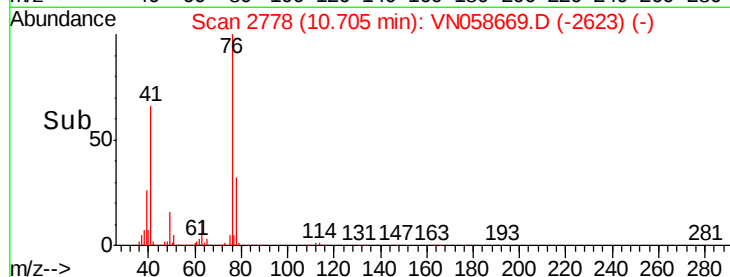
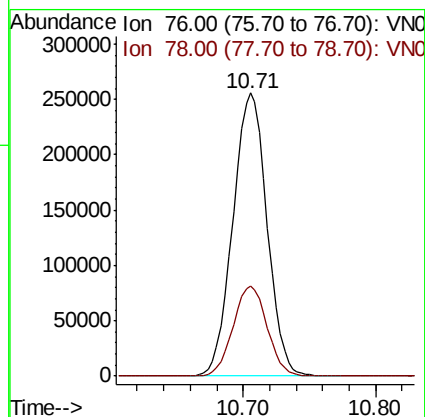
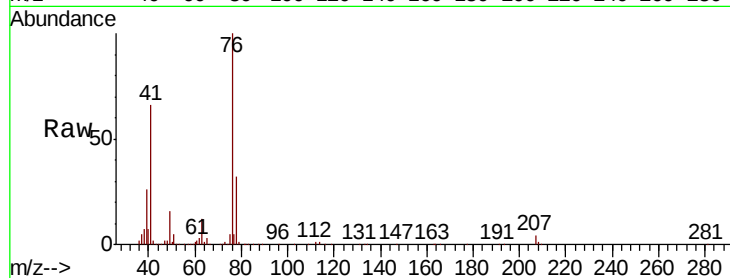
VSTDIC050

Tot Ion: 76 Resp: 456912

Ion Ratio Lower Upper

76 100

78 31.9 0.0 63.2



#53

Dibromochloromethane

Concen: 56.907 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058669.D

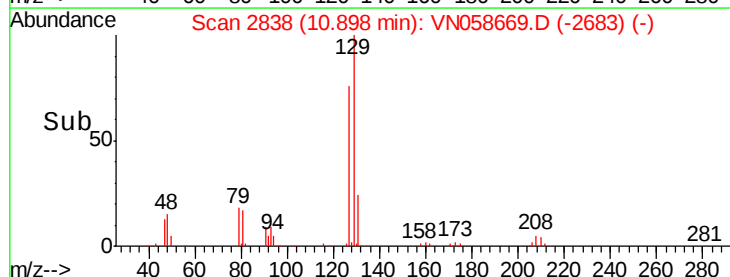
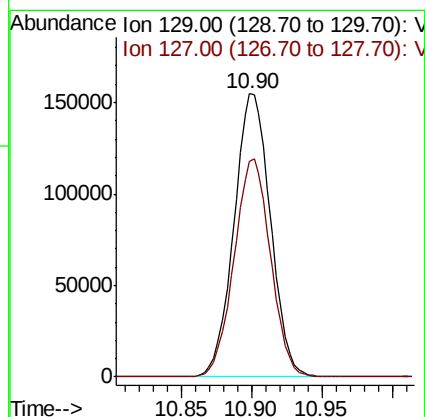
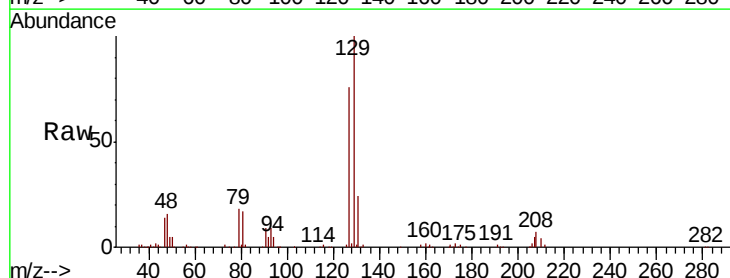
Acq: 10 Oct 2019 17:06

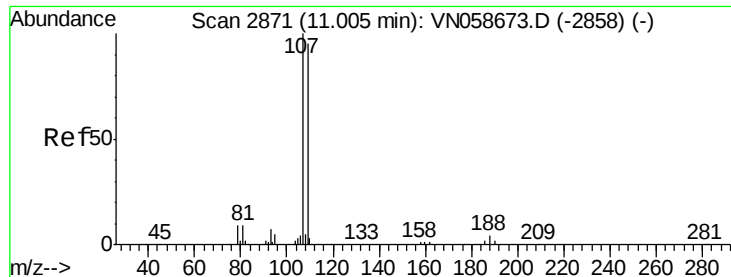
Tgt Ion: 129 Resp: 280280

Ion Ratio Lower Upper

129 100

127 76.9 39.1 117.5





#54

1,2-Dibromoethane

Concen: 54.554 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

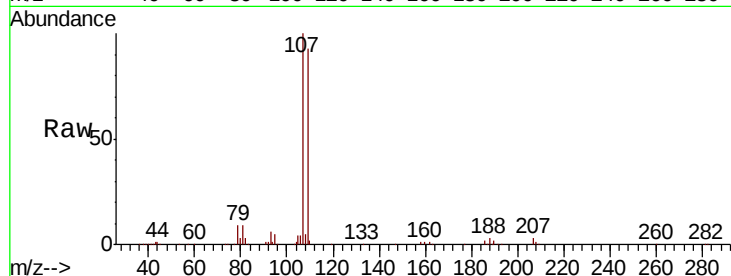
VSTDIC050

Tot Ion:107 Resp: 268446

Ion Ratio Lower Upper

107 100

109 94.1 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

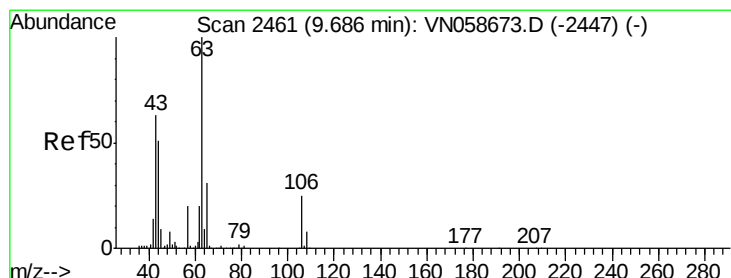
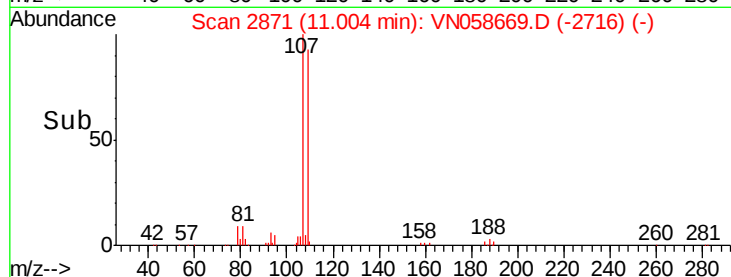
150000

100000

50000

0

Time-->



#55

2-Chloroethyl vinyl ether

Concen: 306.241 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

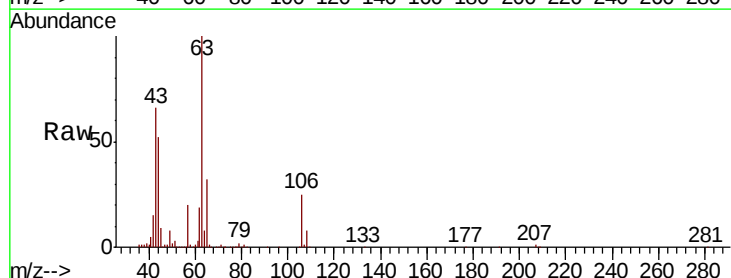
Tgt Ion: 63 Resp: 1036733

Ion Ratio Lower Upper

63 100

65 31.8 25.3 37.9

106 25.3 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): V

Ion 65.00 (64.70 to 65.70): V

Ion 106.00 (105.70 to 106.70): V

9.69

800000

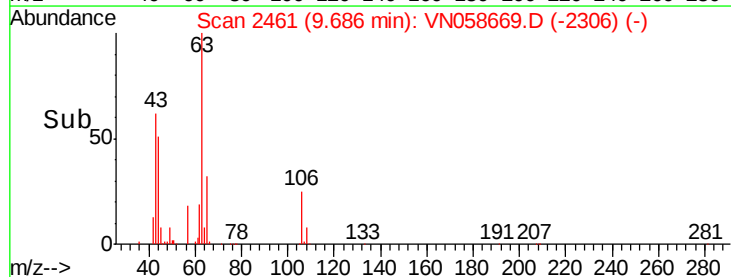
600000

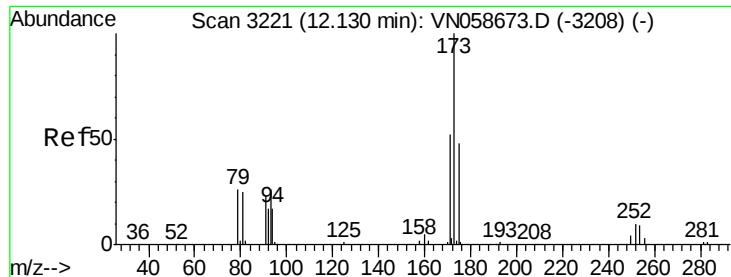
400000

200000

0

Time-->

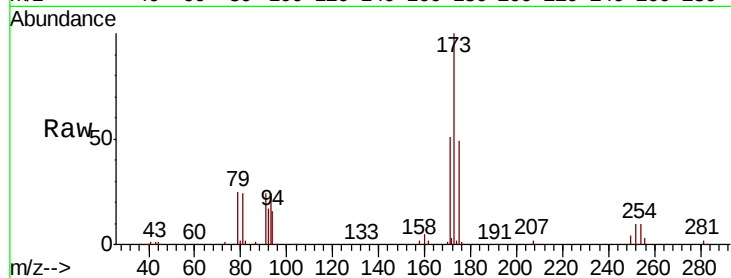




#56
Bromoform
Concen: 61.730 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.7	58.1
254	10.1	7.4	11.2

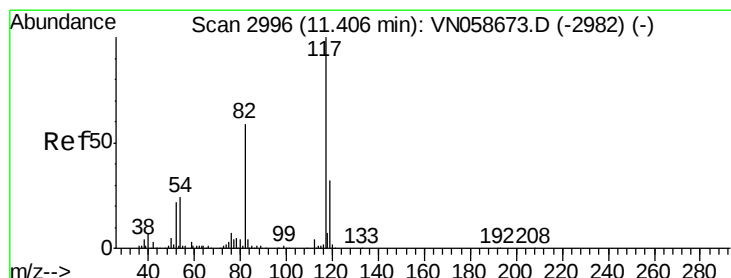
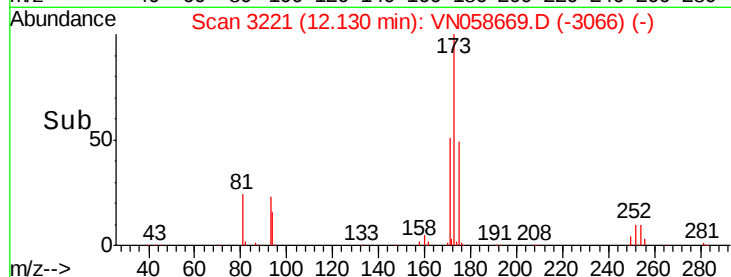
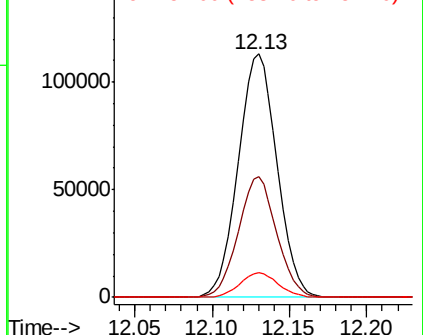


Abundance

Ion 173.00 (172.70 to 173.70): V

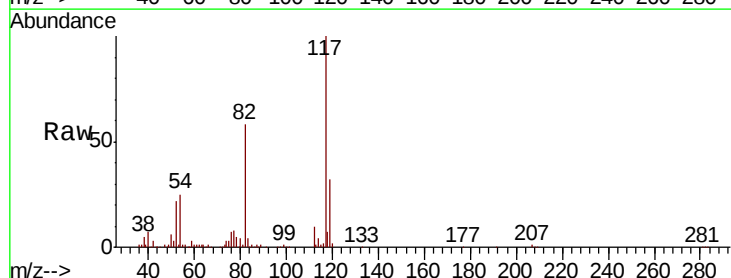
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.9	70.3
119	32.4	25.8	38.6

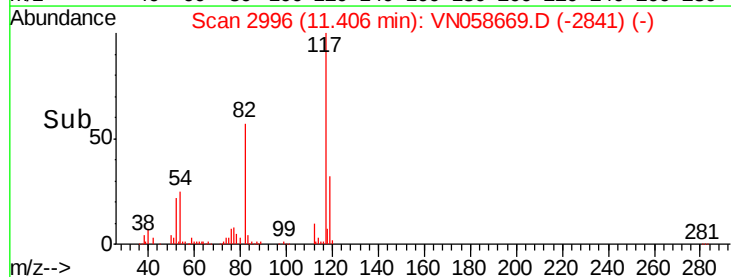
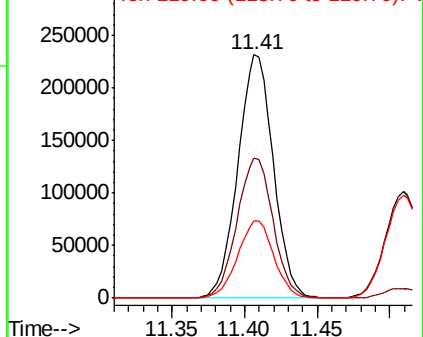


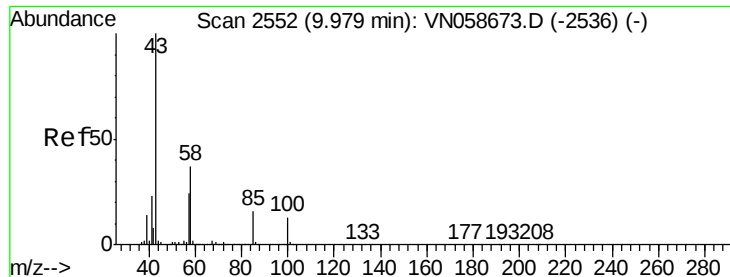
Abundance

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

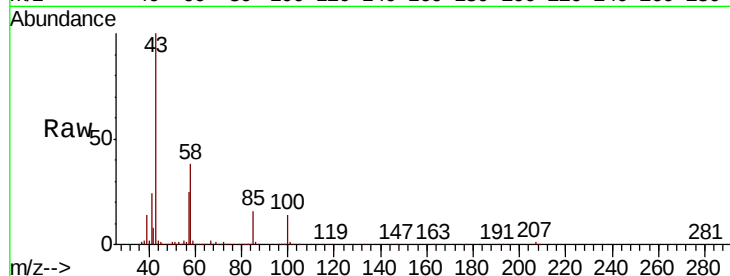




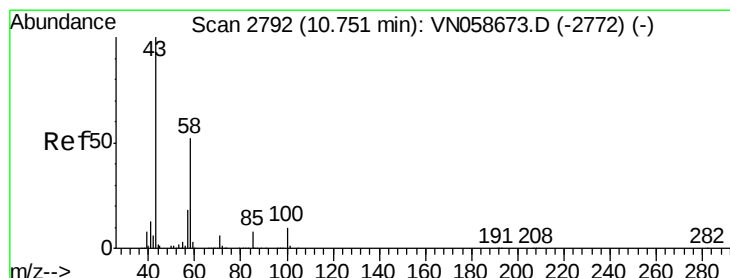
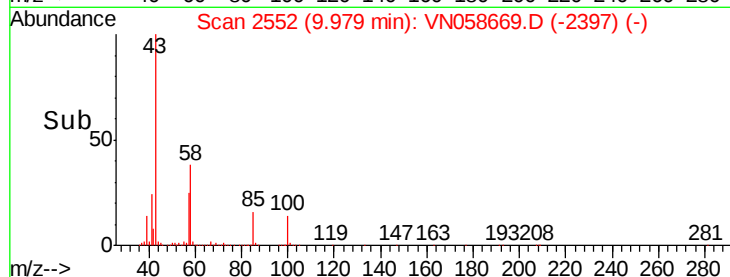
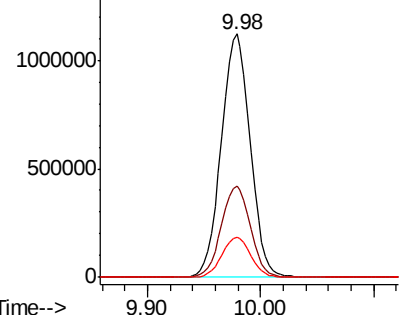
#58
4-Methyl-2-Pentanone
Concen: 311.359 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 1993934
Ion Ratio Lower Upper
43 100
58 37.8 30.1 45.1
85 16.5 13.2 19.8

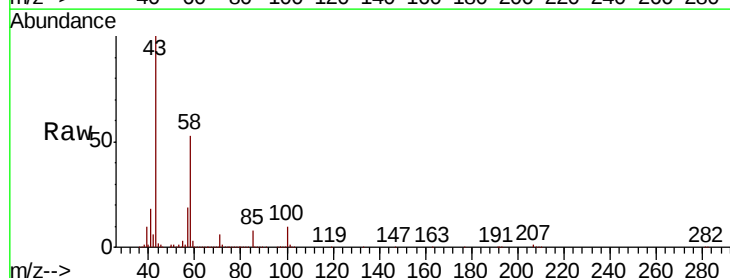


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

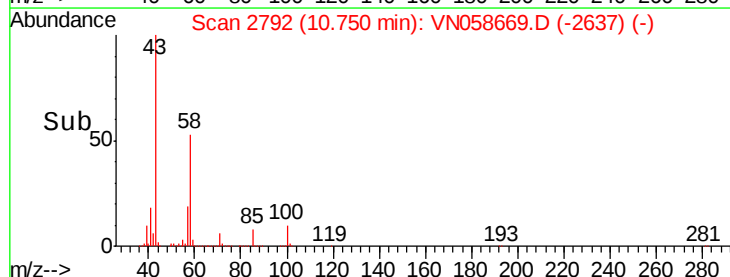
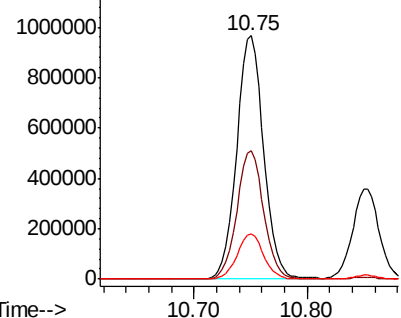


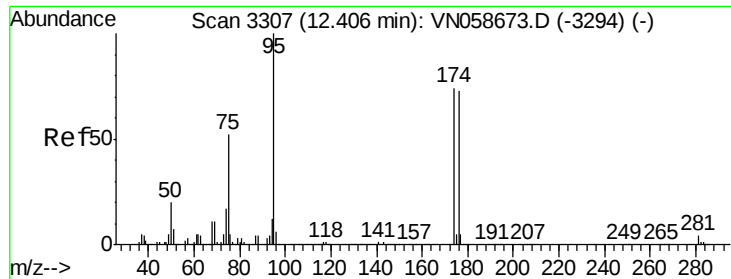
#59
2-Hexanone
Concen: 328.127 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 43 Resp: 1599390
Ion Ratio Lower Upper
43 100
58 52.6 41.4 62.0
57 18.4 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

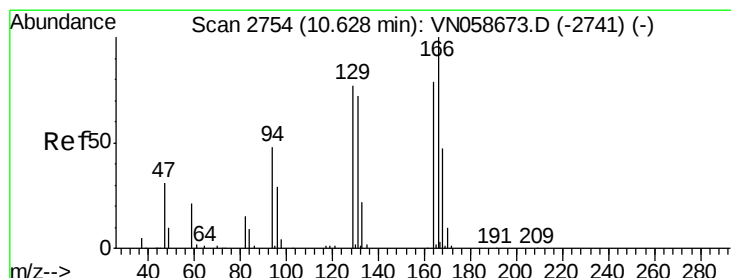
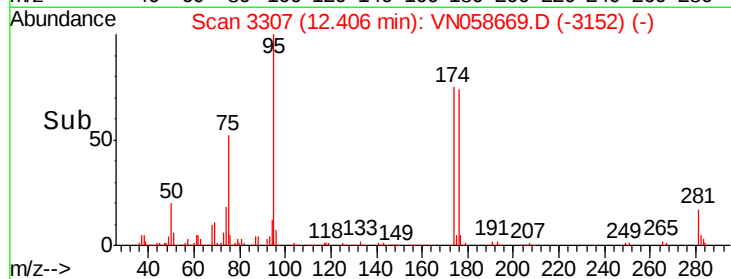
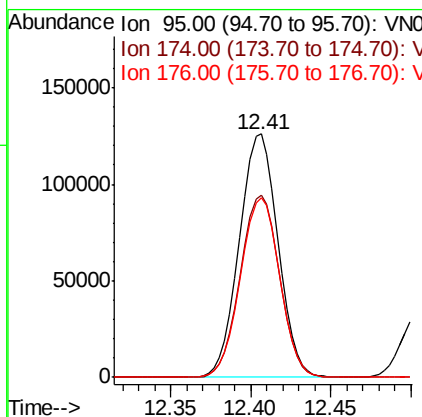
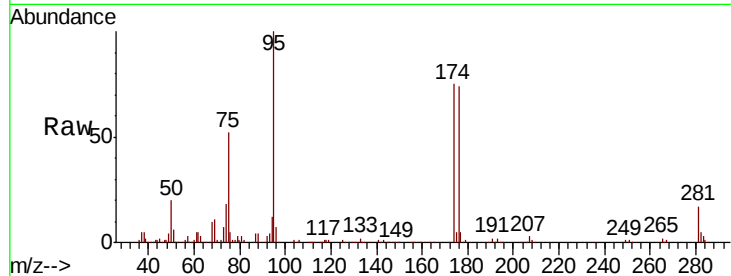




#60
4-Bromofluorobenzene
Concen: 30.377 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

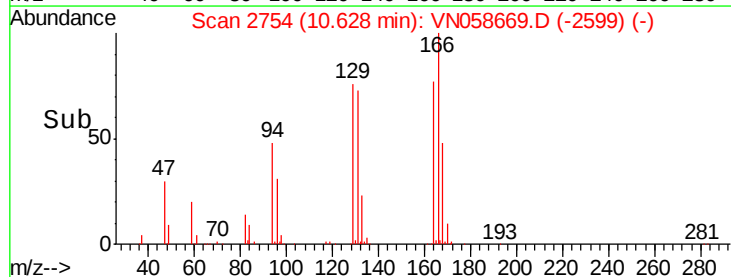
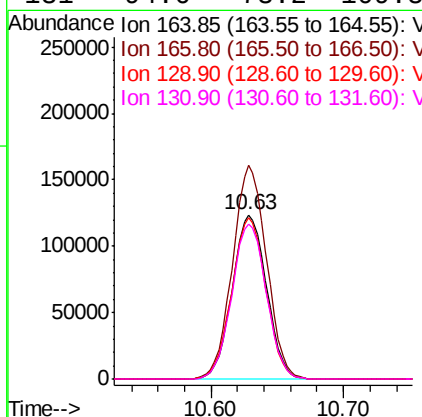
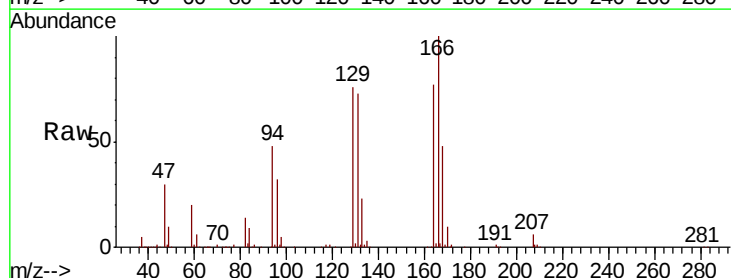
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

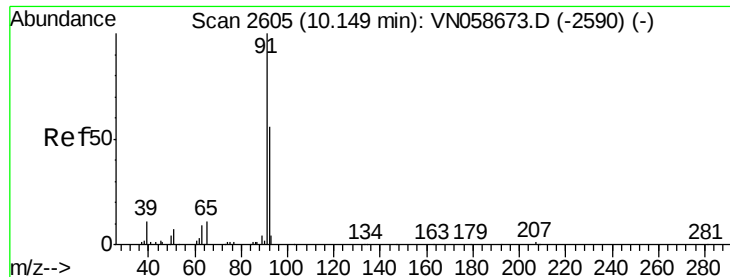
Tot Ion: 95 Resp: 208248
Ion Ratio Lower Upper
95 100
174 76.0 59.9 89.9
176 74.9 58.3 87.5



#61
Tetrachloroethene
Concen: 52.493 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion: 164 Resp: 221546
Ion Ratio Lower Upper
164 100
166 130.3 101.4 152.2
129 98.4 78.1 117.1
131 94.6 73.2 109.8





#62

Toluene

Concen: 51.997 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

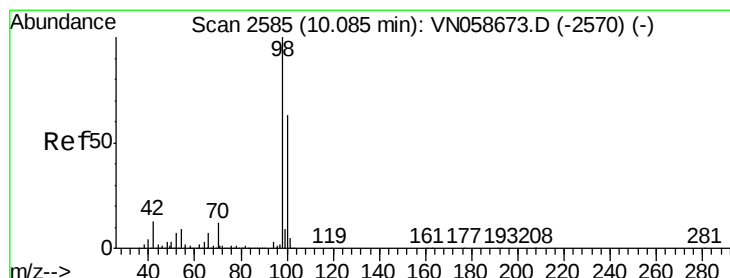
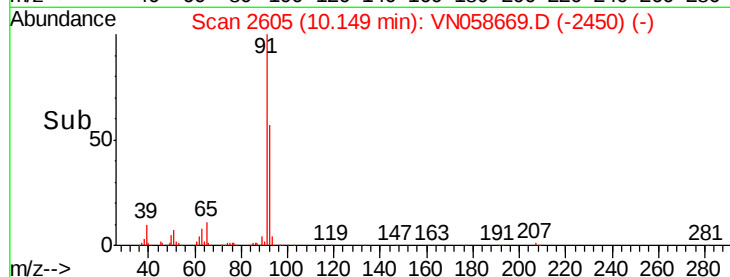
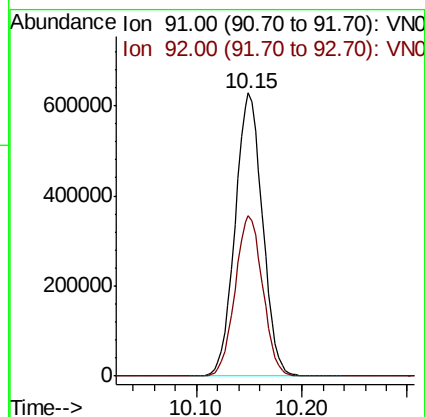
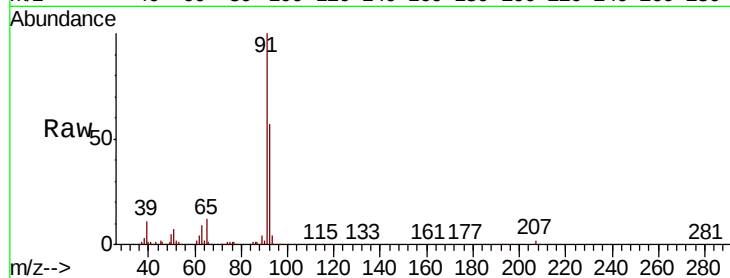
VSTDIC050

Tot Ion: 91 Resp: 1126581

Ion Ratio Lower Upper

91 100

92 57.2 45.4 68.2



#63

Toluene-d8

Concen: 29.386 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058669.D

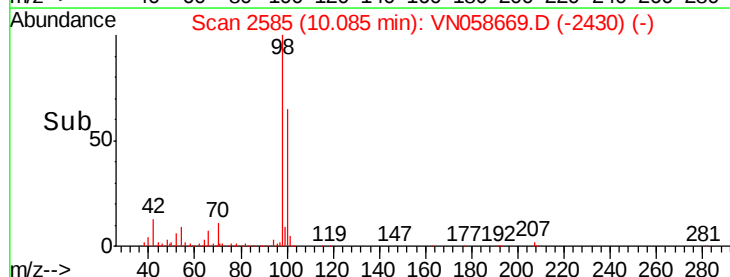
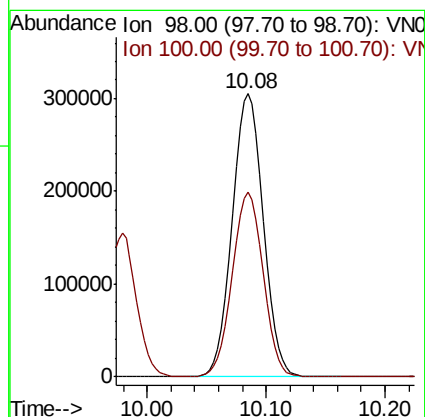
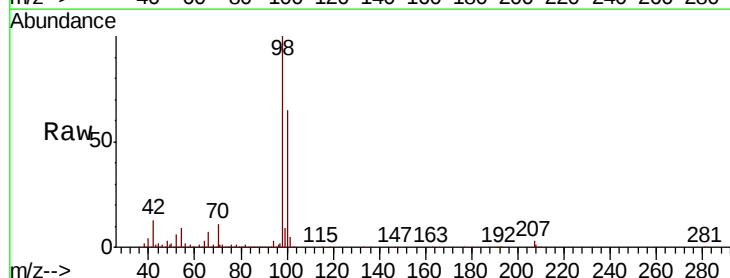
Acq: 10 Oct 2019 17:06

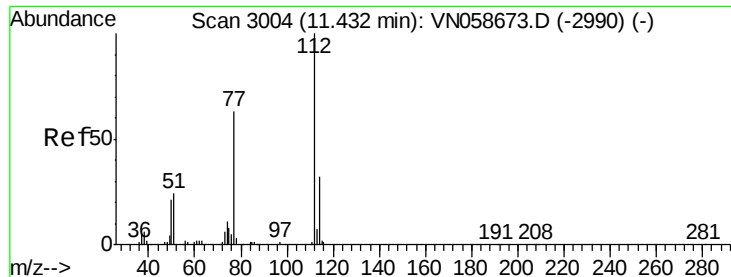
Tgt Ion: 98 Resp: 553432

Ion Ratio Lower Upper

98 100

100 64.9 50.6 75.8





#64

Chlorobenzene

Concen: 51.550 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

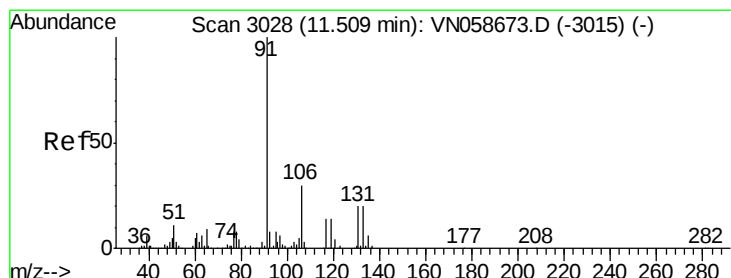
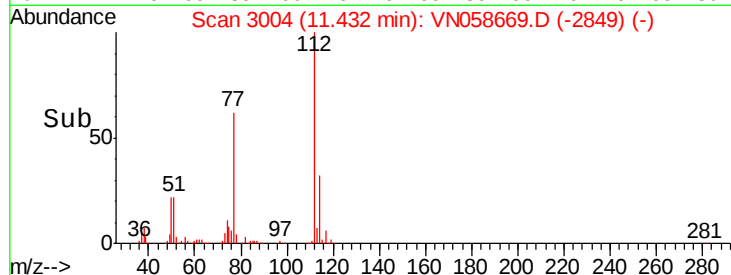
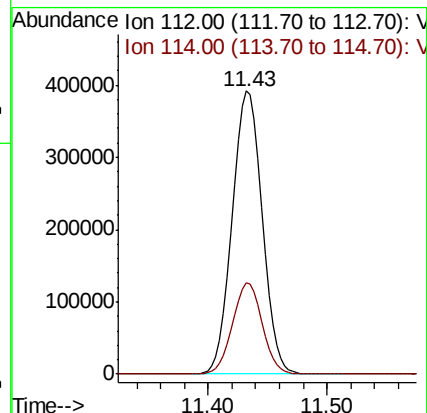
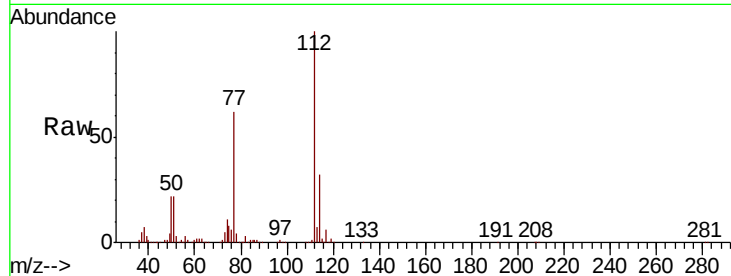
VSTDIC050

Tot Ion:112 Resp: 686649

Ion Ratio Lower Upper

112 100

114 32.1 25.7 38.5



#65

1,1,1,2-Tetrachloroethane

Concen: 54.326 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

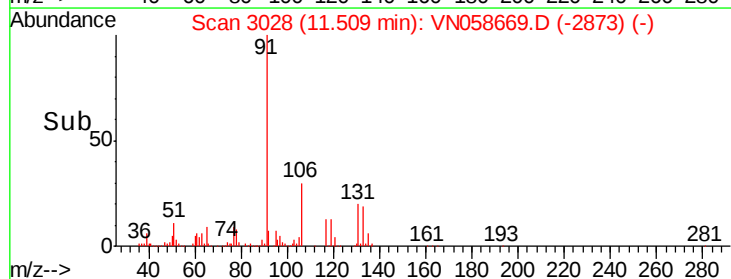
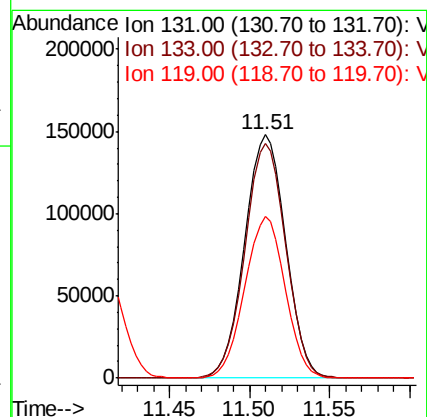
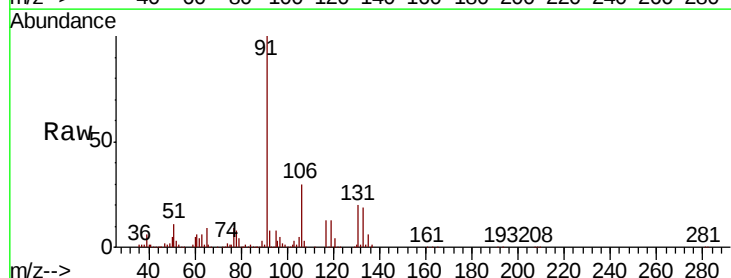
Tgt Ion:131 Resp: 258874

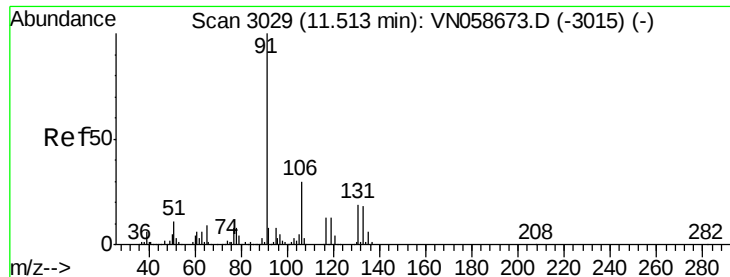
Ion Ratio Lower Upper

131 100

133 96.0 0.0 194.0

119 65.5 0.0 136.8





#66

Ethyl Benzene

Concen: 54.024 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

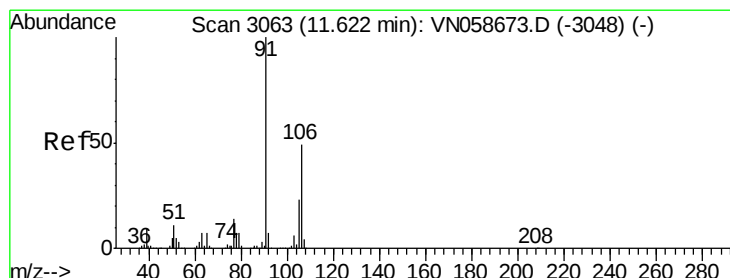
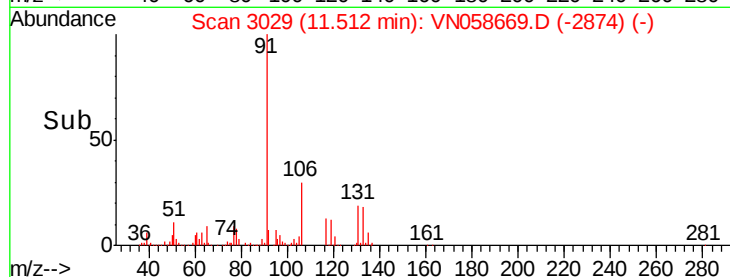
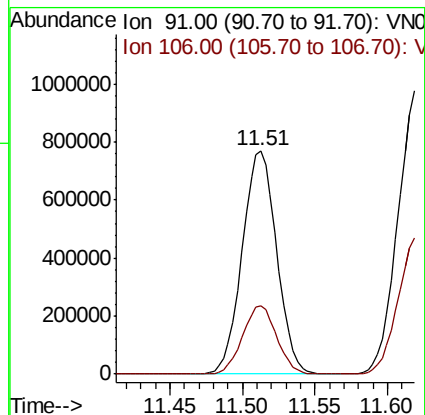
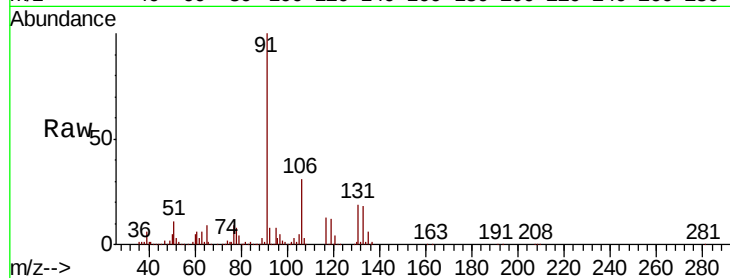
VSTDIC050

Tot Ion: 91 Resp: 1273343

Ion Ratio Lower Upper

91 100

106 30.6 24.2 36.4



#67

m/p-Xylenes

Concen: 104.410 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058669.D

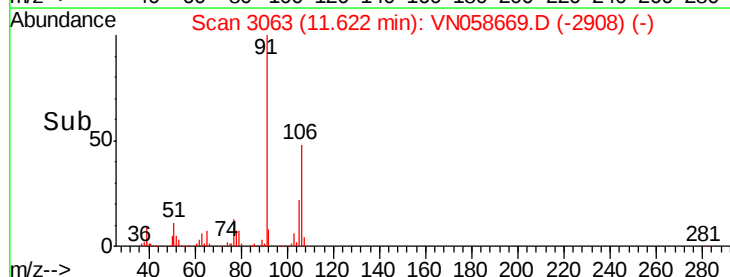
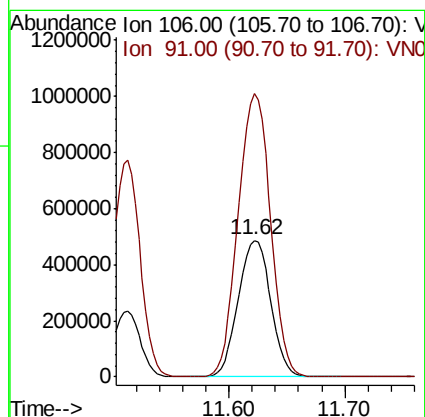
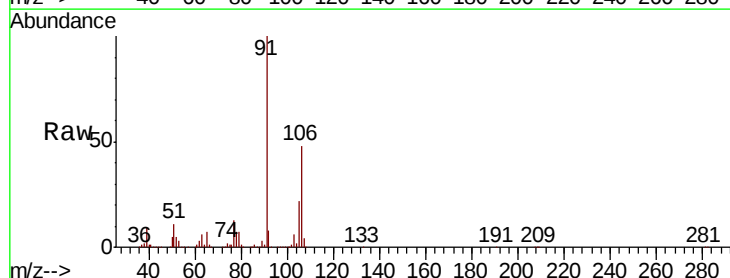
Acq: 10 Oct 2019 17:06

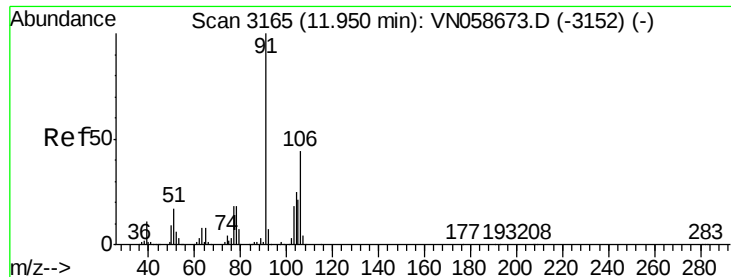
Tgt Ion: 106 Resp: 946238

Ion Ratio Lower Upper

106 100

91 207.2 165.6 248.4

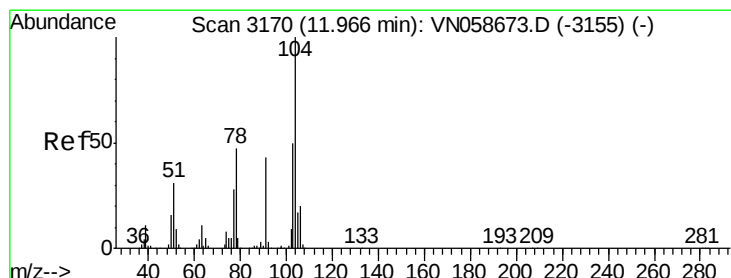
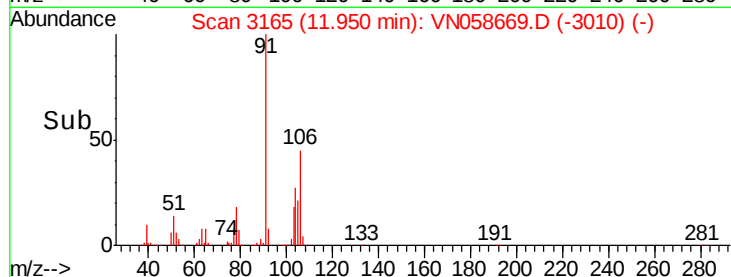
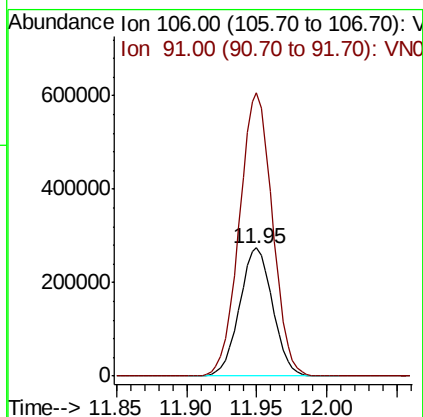
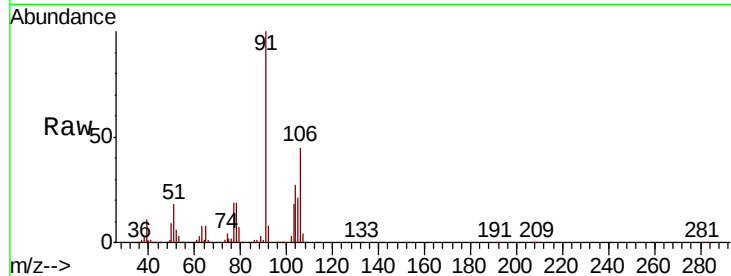




#68
o-Xylene
Concen: 51.202 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

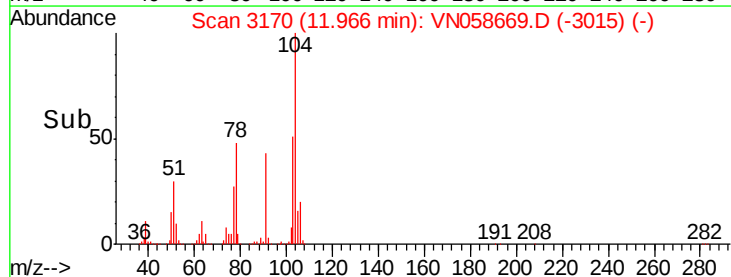
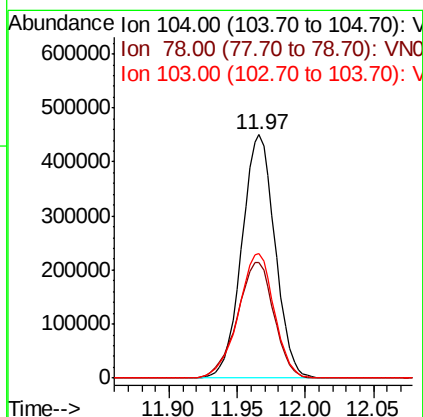
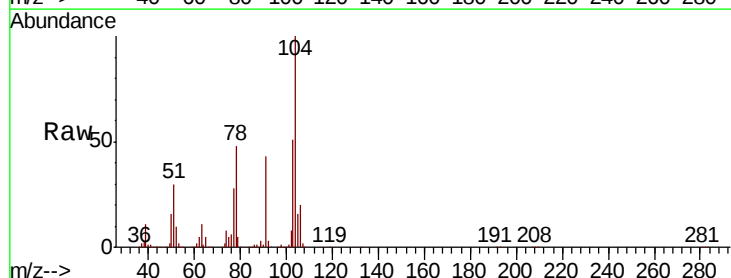
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

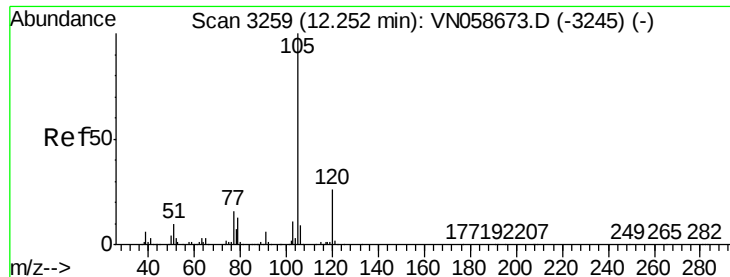
Tot Ion:106 Resp: 450677
Ion Ratio Lower Upper
106 100
91 221.3 109.8 329.4



#69
Styrene
Concen: 51.909 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion:104 Resp: 761221
Ion Ratio Lower Upper
104 100
78 52.7 42.4 63.6
103 55.1 44.6 66.8





#70

Isopropylbenzene

Concen: 54.930 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

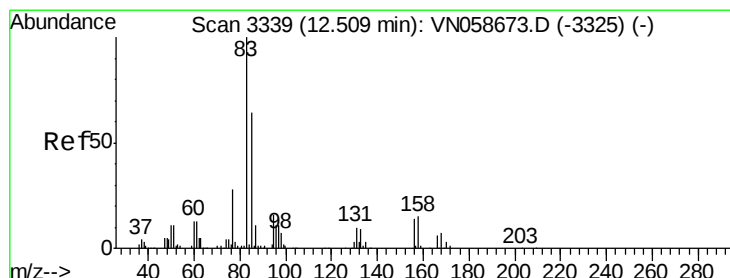
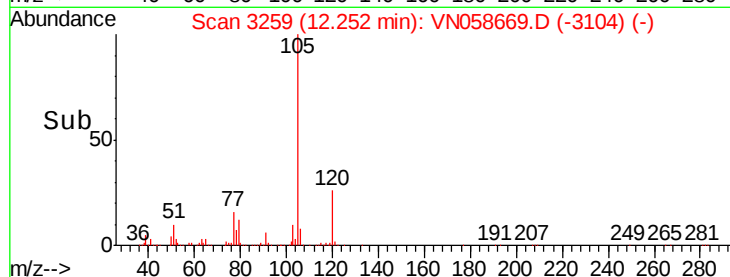
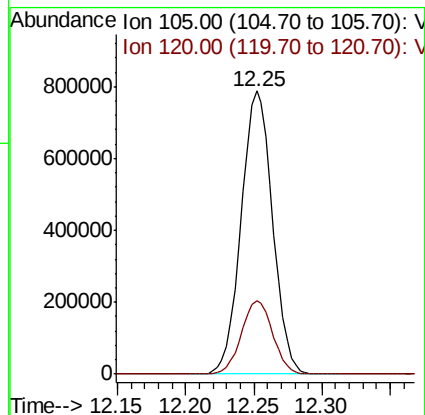
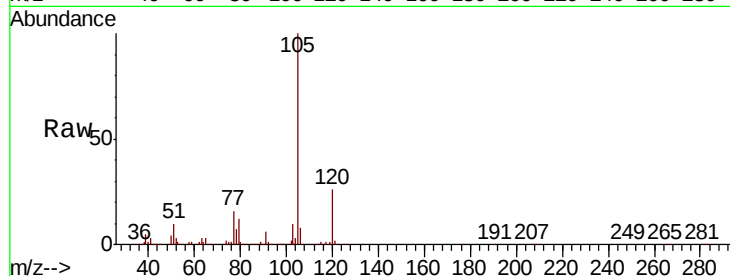
VSTDIC050

Tot Ion:105 Resp: 1254645

Ion Ratio Lower Upper

105 100

120 26.0 18.4 34.2



#71

1,1,2,2-Tetrachloroethane

Concen: 54.709 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

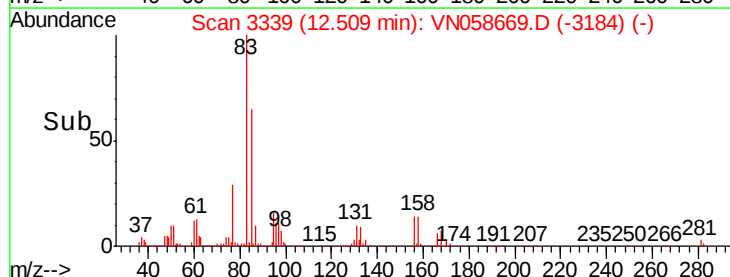
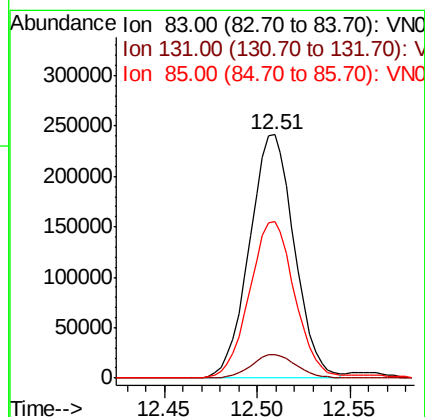
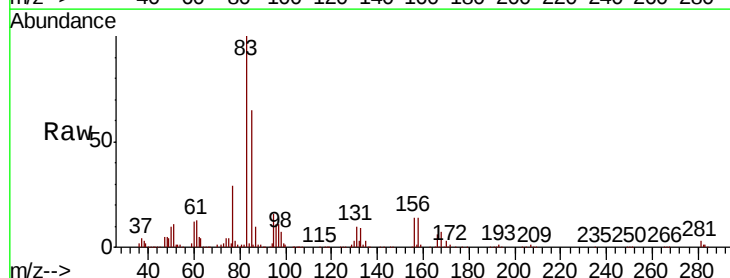
Tgt Ion: 83 Resp: 406235

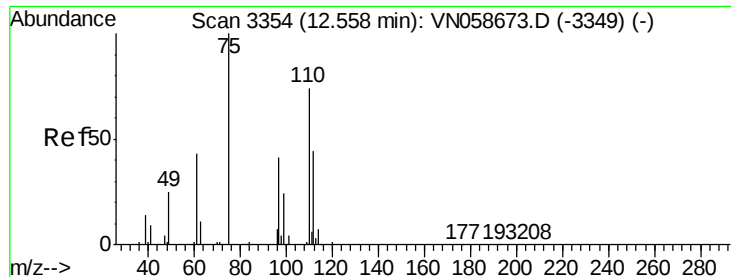
Ion Ratio Lower Upper

83 100

131 9.9 4.9 14.7

85 65.1 31.6 94.7





#72

1,2,3-Trichloropropane

Concen: 85.134 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

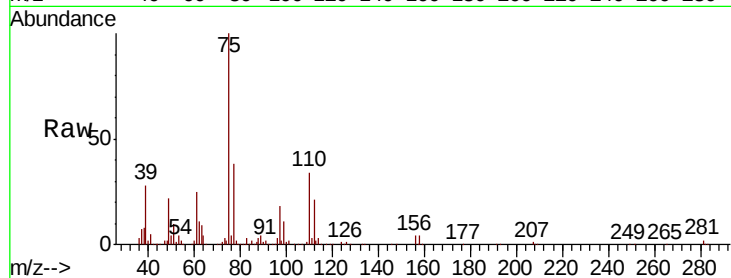
VSTDIC050

Tot Ion: 75 Resp: 547534

Ion Ratio Lower Upper

75 100

77 123.9 0.0 359.4



Abundance Ion 75.00 (74.70 to 75.70): VN058673.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058673.D (-3349) (-)

300000

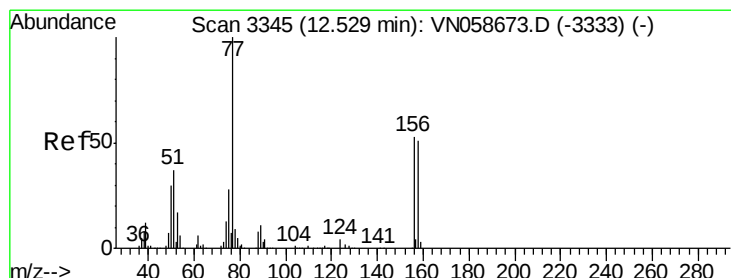
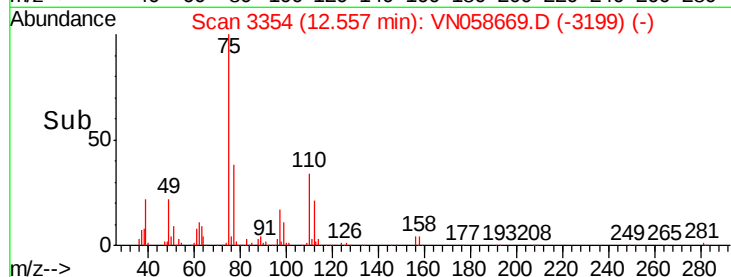
200000

100000

0

12.40 12.50 12.60

Time-->



#73

Bromobenzene

Concen: 52.763 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

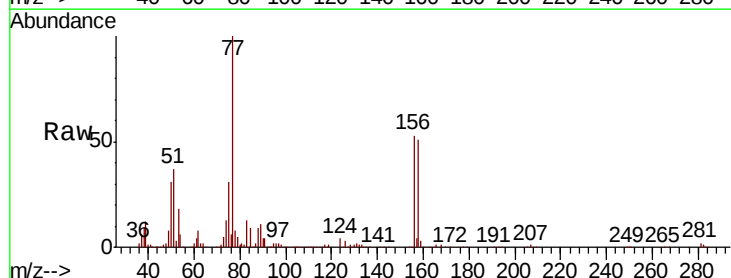
Tgt Ion: 156 Resp: 294193

Ion Ratio Lower Upper

156 100

77 230.6 0.0 456.0

158 96.9 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): VN058673.D (-3333) (-)

Ion 77.00 (76.70 to 77.70): VN058673.D (-3333) (-)

Ion 158.00 (157.70 to 158.70): VN058673.D (-3333) (-)

400000

300000

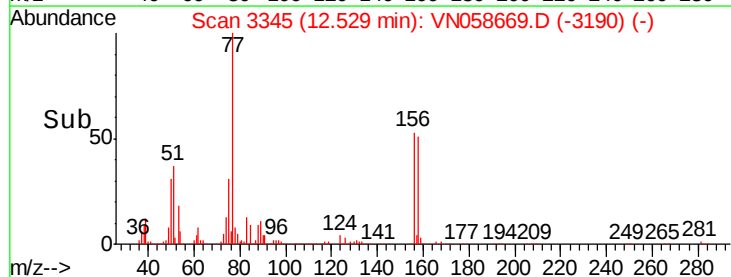
200000

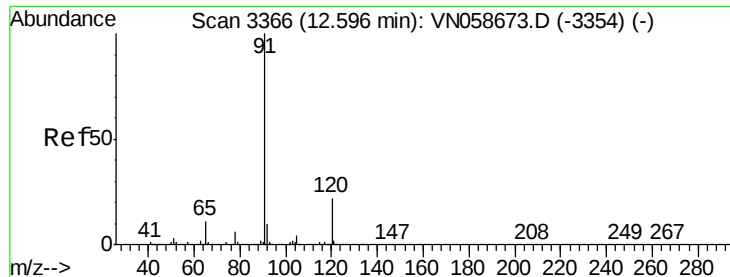
100000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 56.464 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampled :

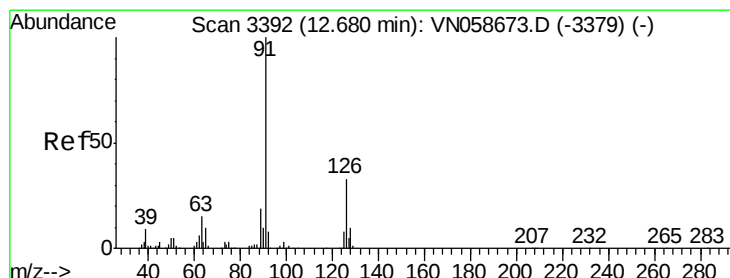
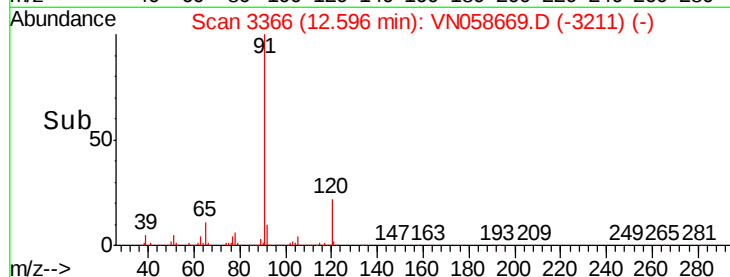
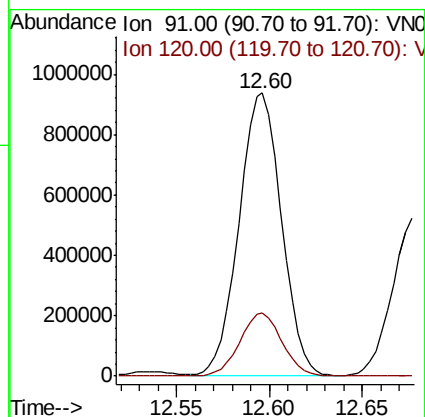
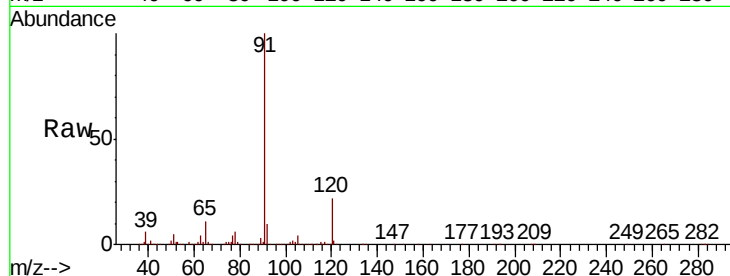
VSTDIC050

Tot Ion: 91 Resp: 1491267

Ion Ratio Lower Upper

91 100

120 22.0 0.0 43.6



#75

2-Chlorotoluene

Concen: 52.789 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058669.D

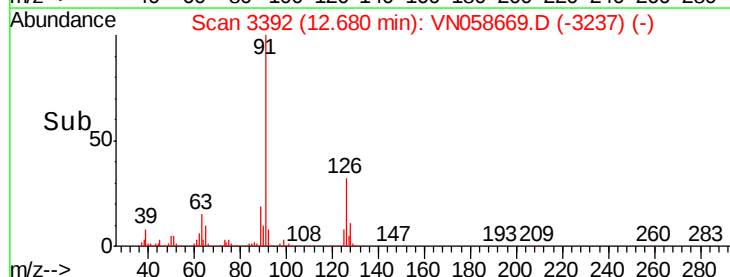
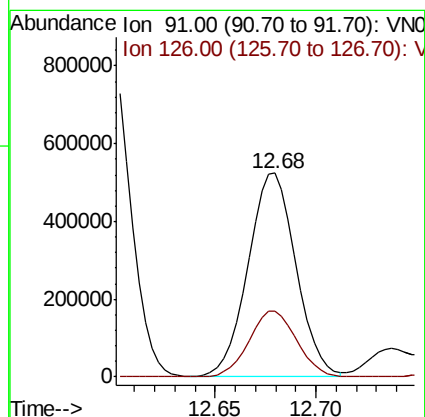
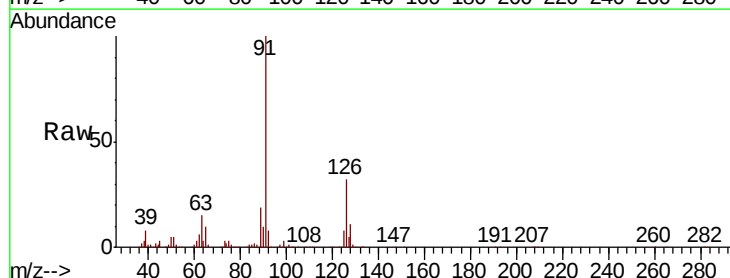
Acq: 10 Oct 2019 17:06

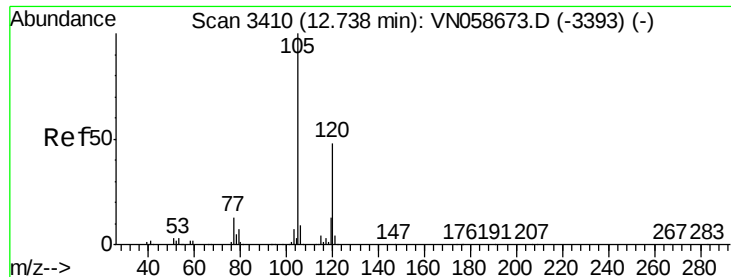
Tgt Ion: 91 Resp: 871048

Ion Ratio Lower Upper

91 100

126 32.4 0.0 65.4





#76

1,3,5-Trimethylbenzene

Concen: 54.332 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

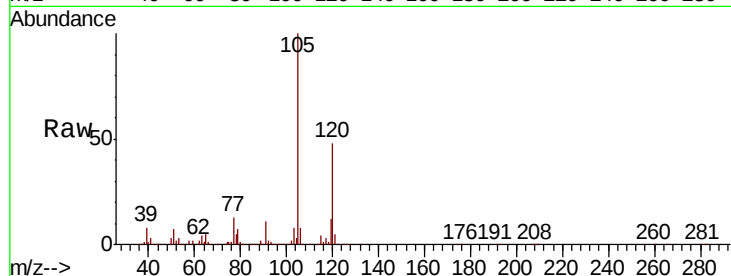
VSTDIC050

Tot Ion:105 Resp: 1069396

Ion Ratio Lower Upper

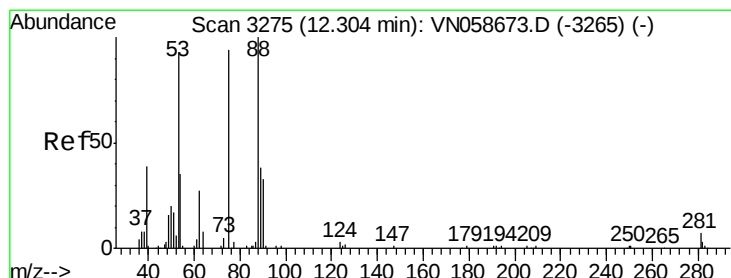
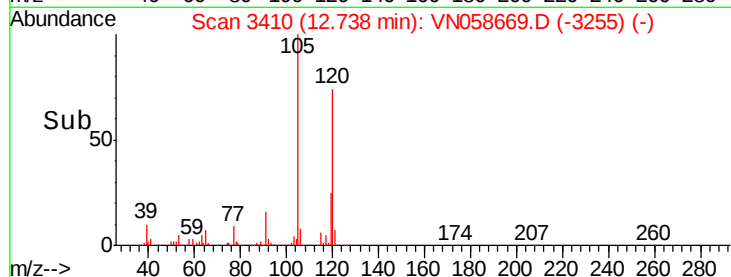
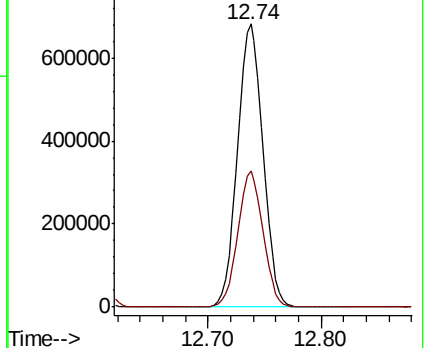
105 100

120 47.2 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 65.540 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

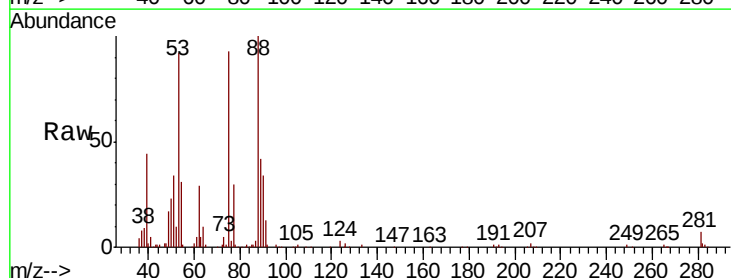
Tgt Ion: 75 Resp: 144808

Ion Ratio Lower Upper

75 100

53 99.1 50.0 150.0

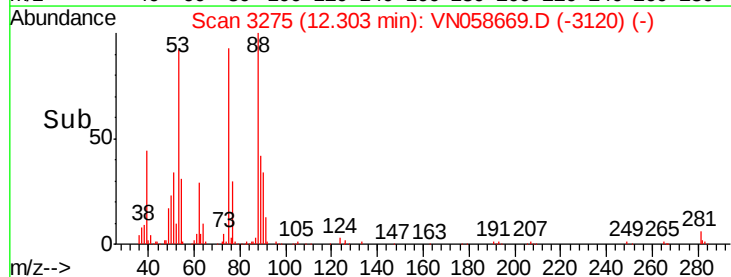
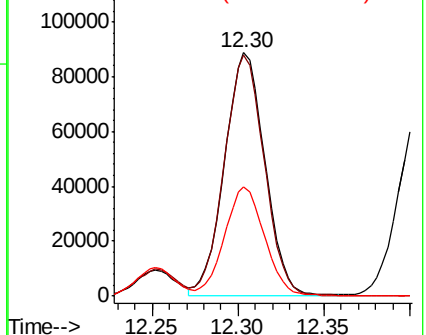
89 44.9 20.7 62.1

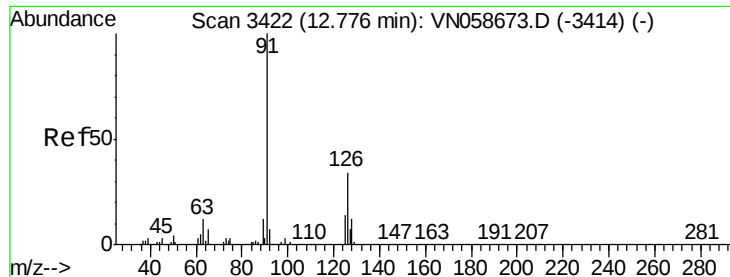


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 53.061 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

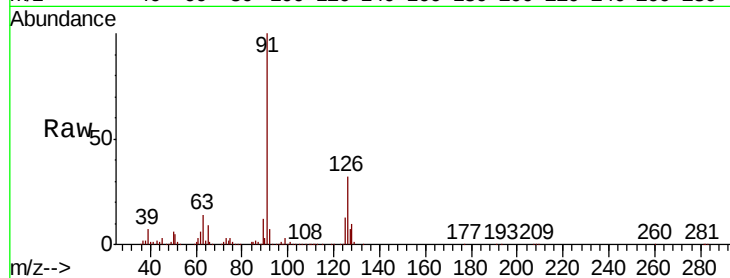
VSTDIC050

Tot Ion: 91 Resp: 896841

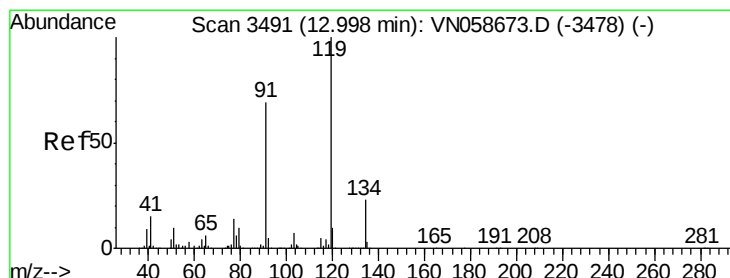
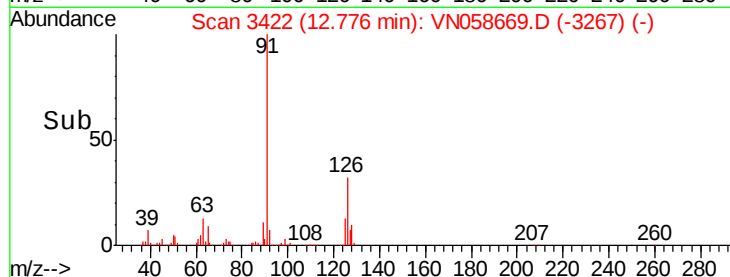
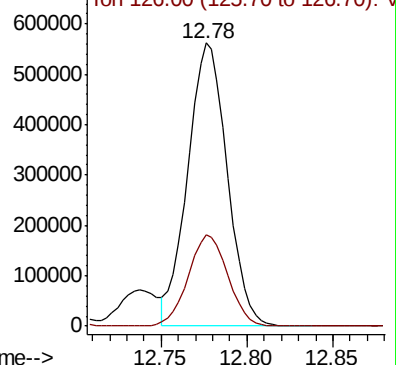
Ion Ratio Lower Upper

91 100

126 32.5 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3414) (-)



#79

tert-butylbenzene

Concen: 53.389 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

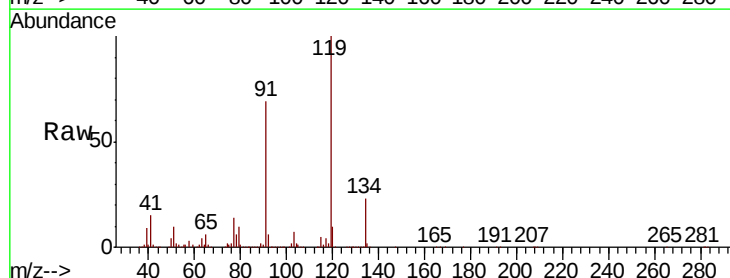
Tgt Ion: 119 Resp: 913674

Ion Ratio Lower Upper

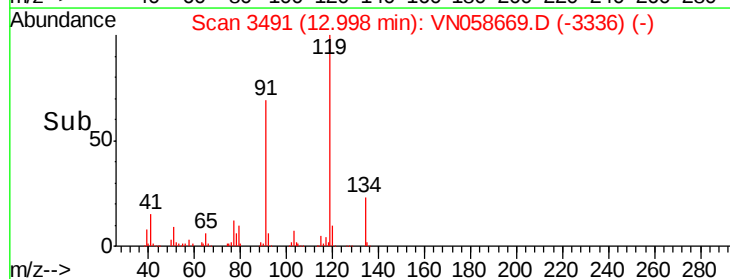
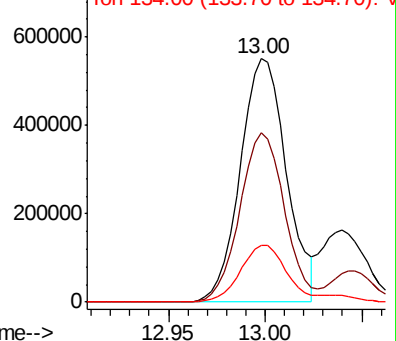
119 100

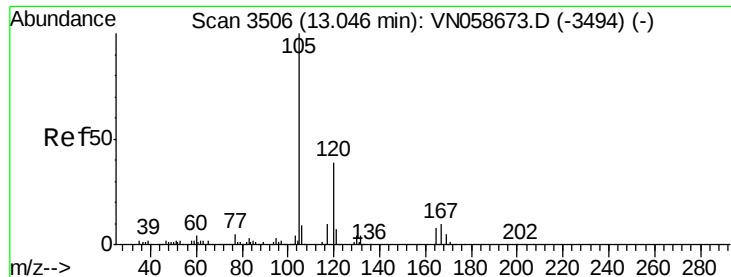
91 67.5 0.0 136.4

134 23.2 0.0 47.2



Abundance Ion 119.00 (118.70 to 119.70): VN058673.D (-3478) (-)

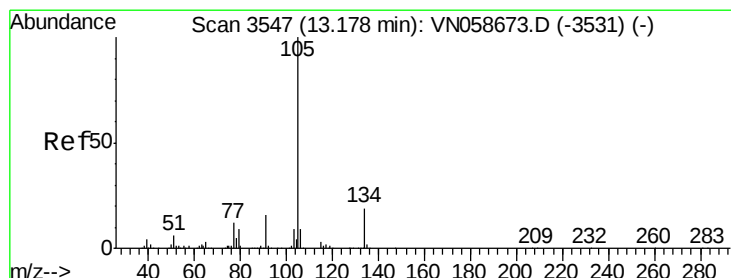
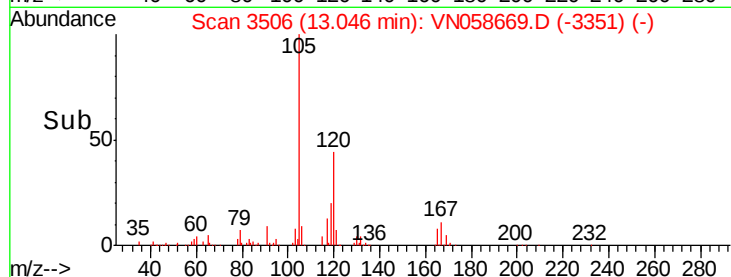
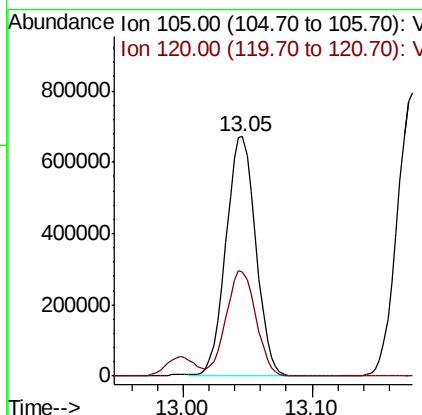
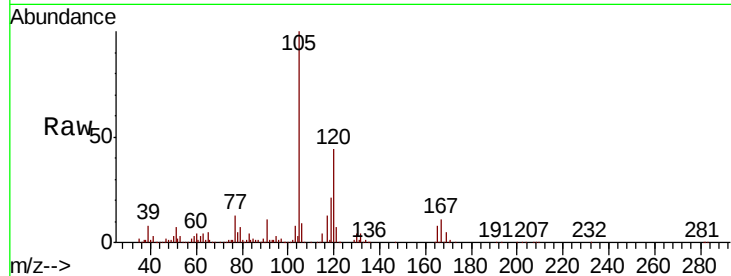




#80
 1,2,4-Trimethylbenzene
 Concen: 55.009 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

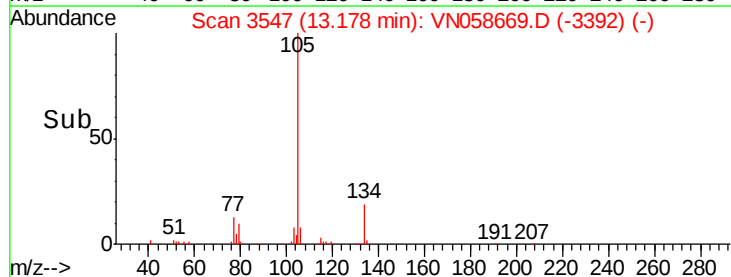
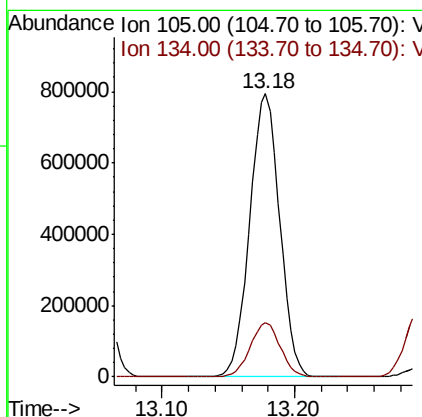
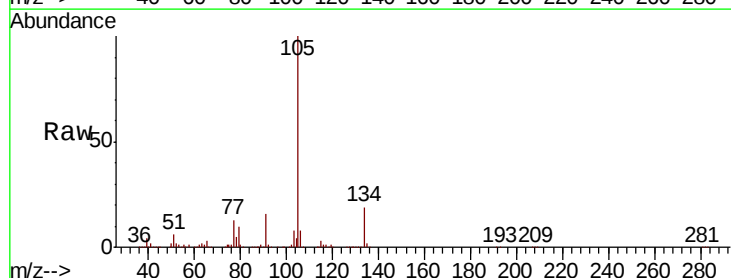
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

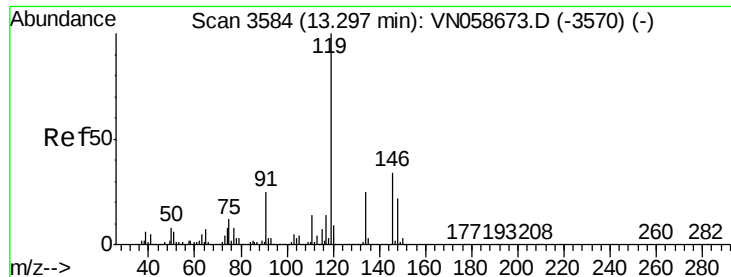
Tot Ion:105 Resp: 1077713
 Ion Ratio Lower Upper
 105 100
 120 44.1 0.0 89.2



#81
 sec-Butylbenzene
 Concen: 55.776 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion:105 Resp: 1246016
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.0

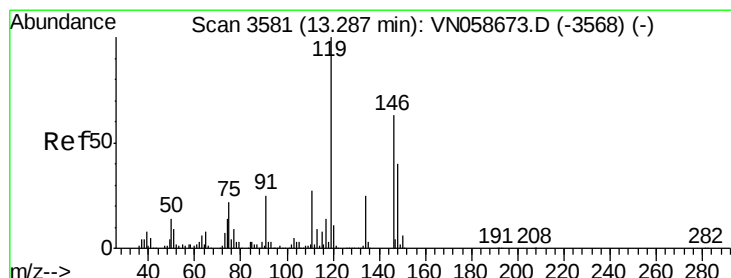
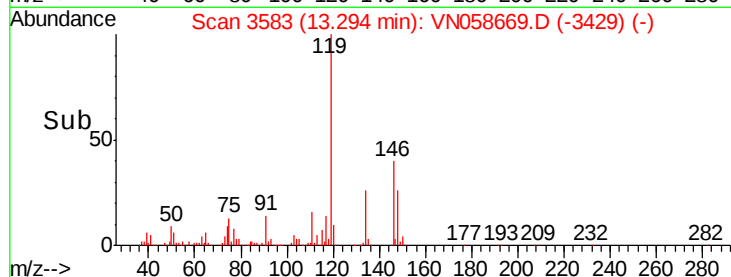
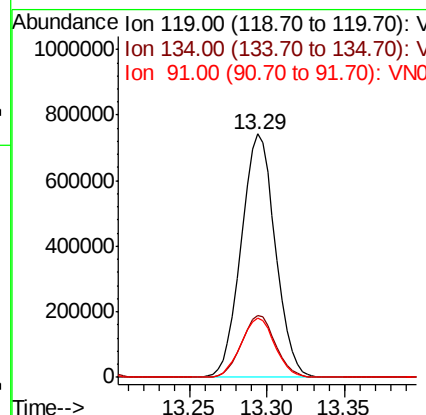
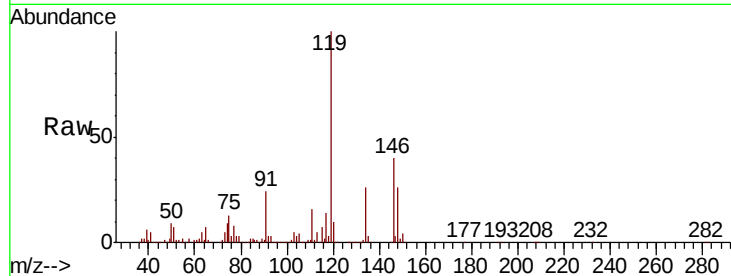




#82
 p-Isopropyltoluene
 Concen: 56.118 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

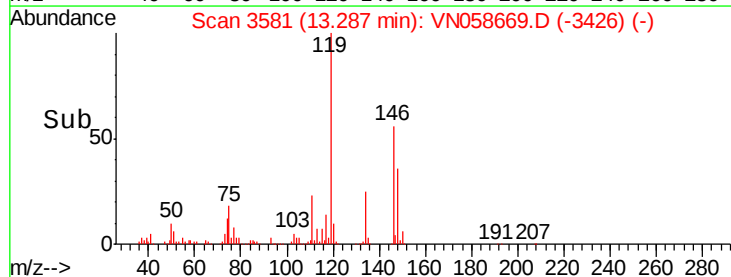
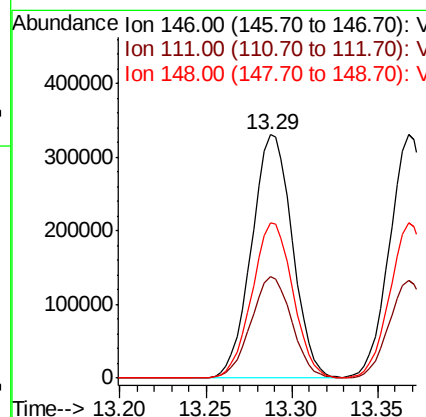
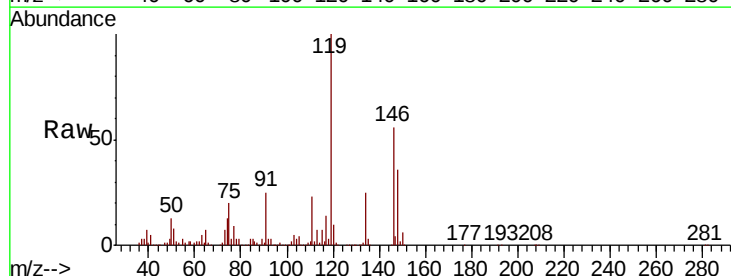
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

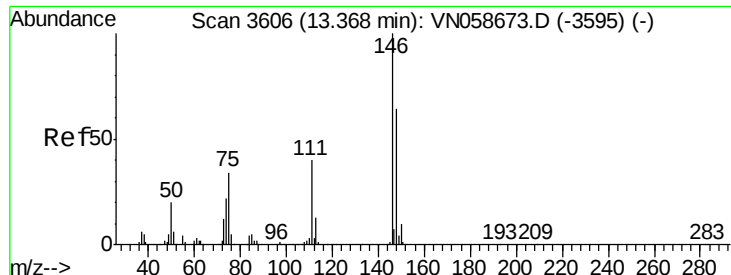
Tot Ion:119 Resp: 1131412
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.8
 91 24.3 0.0 49.4



#83
 1,3-Dichlorobenzene
 Concen: 52.993 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Tgt Ion:146 Resp: 543945
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.0 63.0
 148 63.9 31.7 95.1





#84

1,4-Dichlorobenzene

Concen: 52.727 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

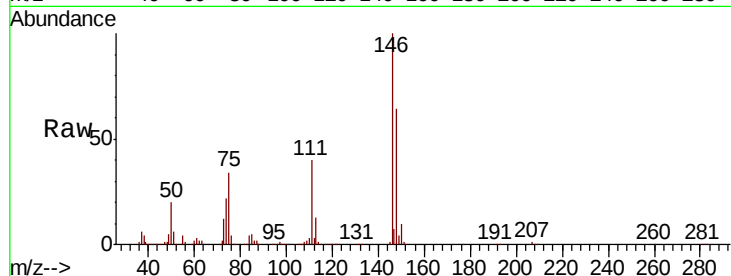
Tot Ion:146 Resp: 540642

Ion Ratio Lower Upper

146 100

111 40.3 19.8 59.4

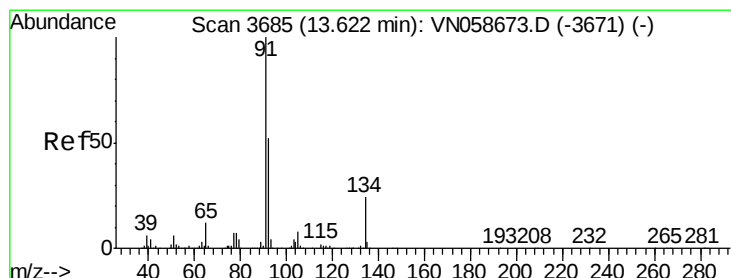
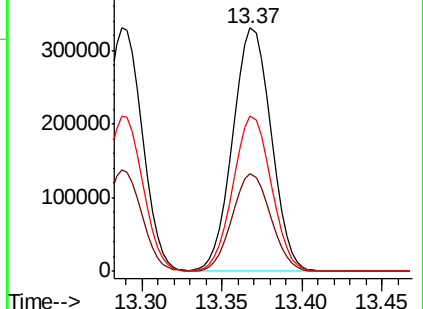
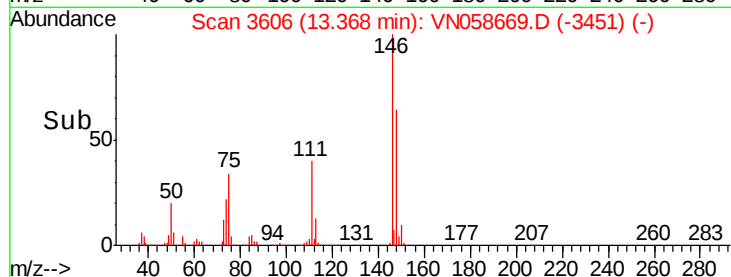
148 63.7 31.6 94.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 55.819 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

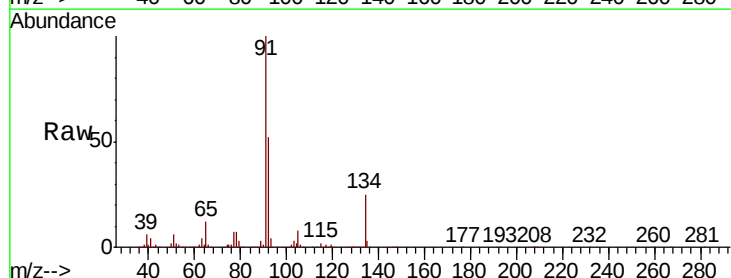
Tgt Ion: 91 Resp: 1041417

Ion Ratio Lower Upper

91 100

92 51.8 0.0 102.8

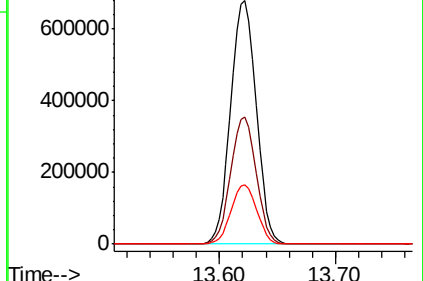
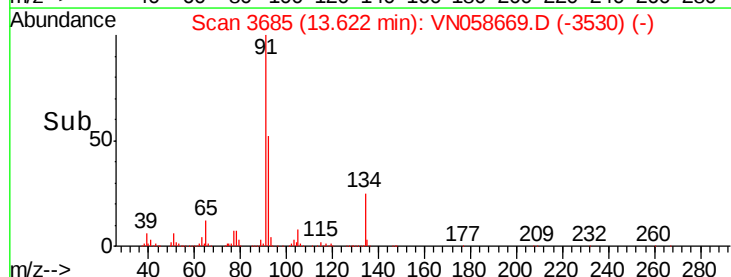
134 24.4 0.0 48.6

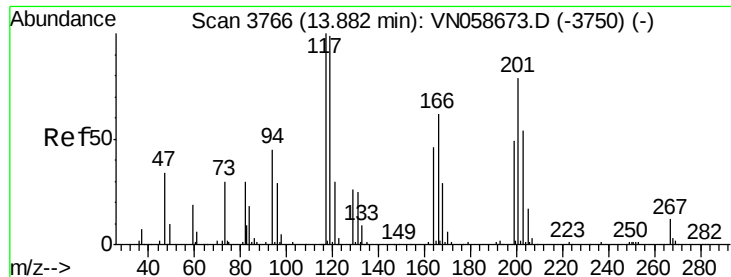


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 58.459 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

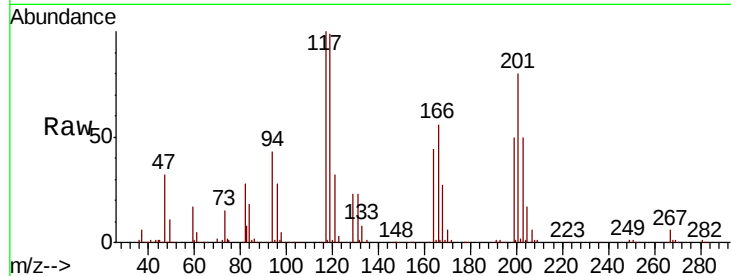
VSTDIC050

Tot Ion:117 Resp: 198450

Ion Ratio Lower Upper

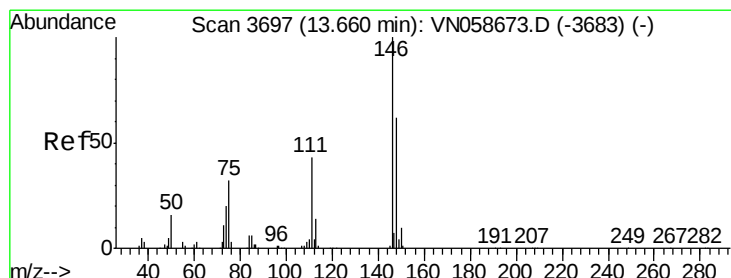
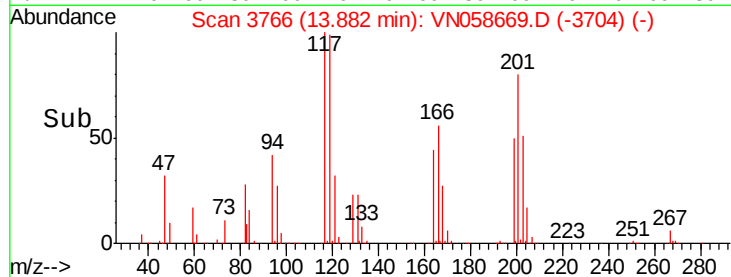
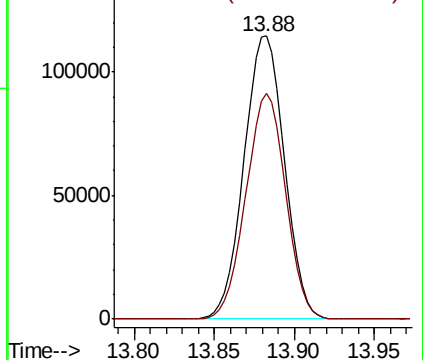
117 100

201 78.5 38.7 116.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 53.603 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

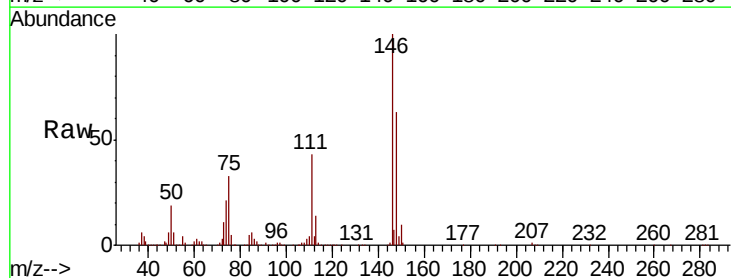
Tgt Ion:146 Resp: 536868

Ion Ratio Lower Upper

146 100

111 42.6 21.8 65.4

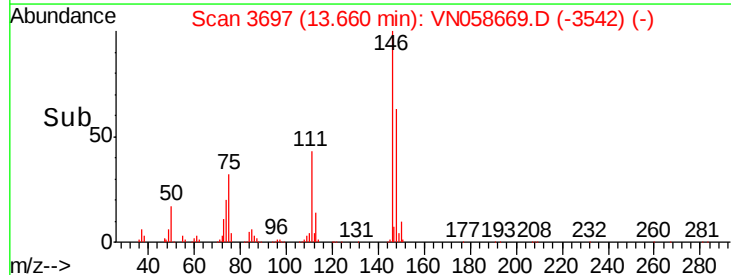
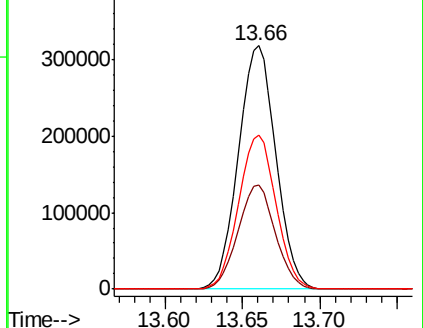
148 63.3 32.1 96.5

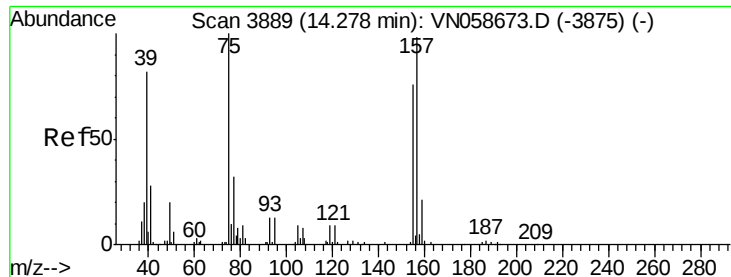


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#88

1,2-Dibromo-3-Chloropropane

Concen: 59.640 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

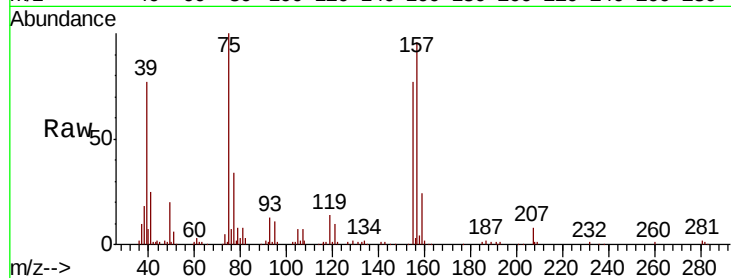
Tot Ion: 75 Resp: 90086

Ion Ratio Lower Upper

75 100

155 75.9 58.3 87.5

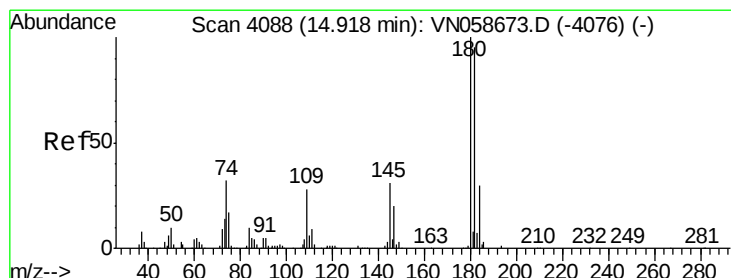
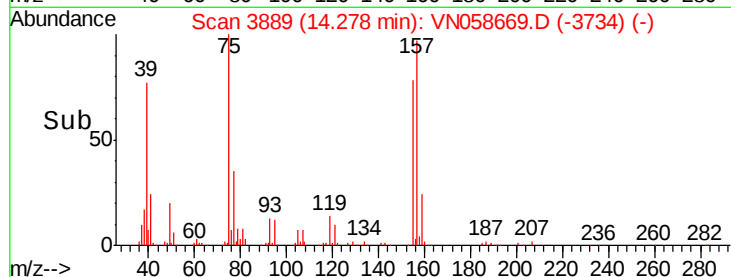
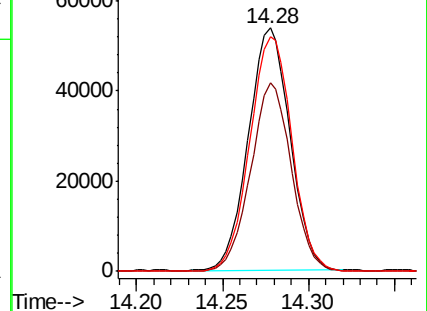
157 98.0 75.0 112.6



Abundance Ion 75.00 (74.70 to 75.70): VN058673.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN058673.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN058673.D (-3875) (-)



#89

1,2,4-Trichlorobenzene

Concen: 51.832 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. -0.00 min

Lab File: VN058669.D

Acq: 10 Oct 2019 17:06

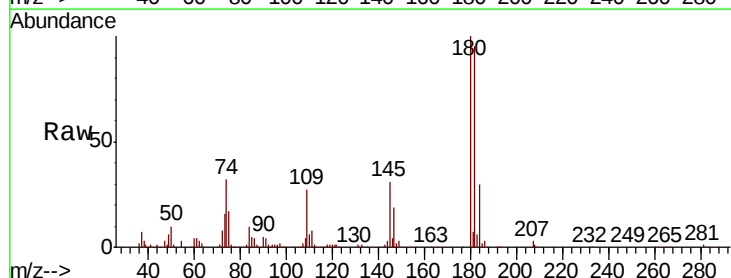
Tgt Ion: 180 Resp: 340896

Ion Ratio Lower Upper

180 100

182 95.6 75.3 112.9

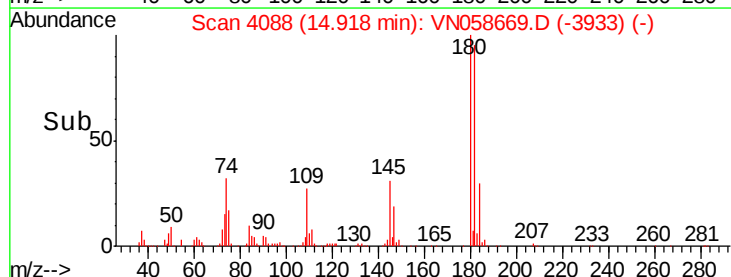
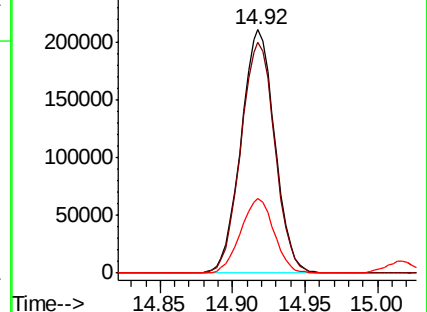
145 30.4 24.8 37.2

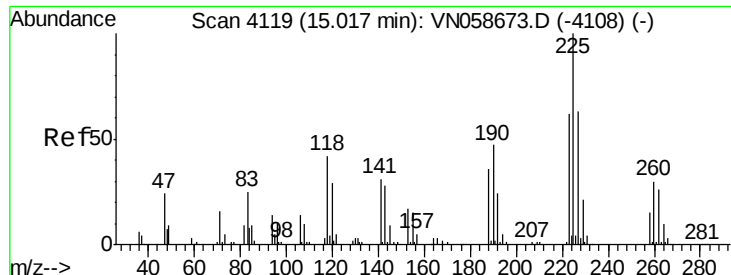


Abundance Ion 180.00 (179.70 to 180.70): VN058673.D (-4076) (-)

Ion 182.00 (181.70 to 182.70): VN058673.D (-4076) (-)

Ion 145.00 (144.70 to 145.70): VN058673.D (-4076) (-)

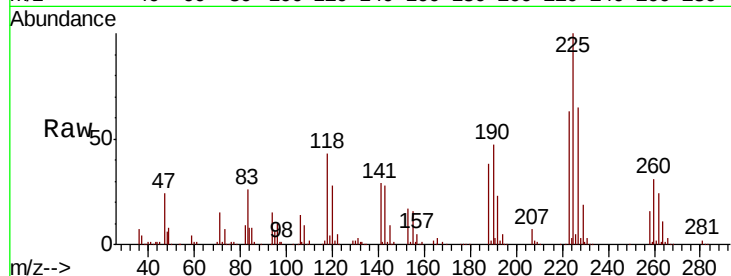




#90
Hexachlorobutadiene
Concen: 53.166 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	126.2
227	63.9	0.0	127.0

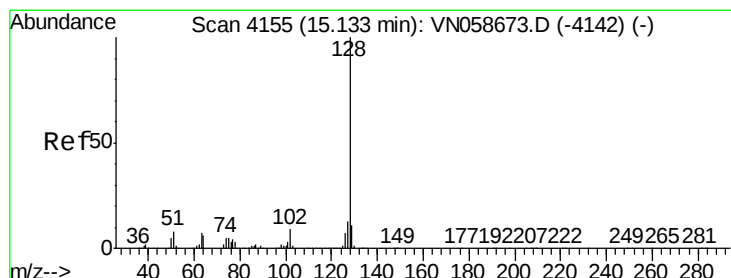
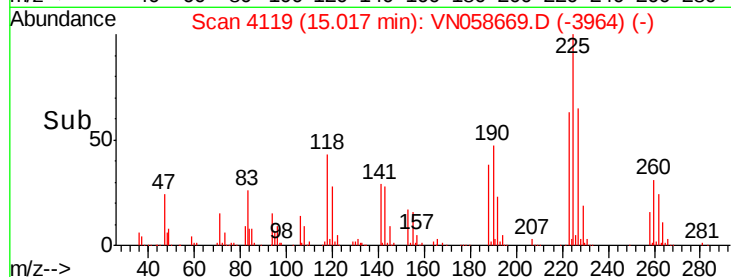
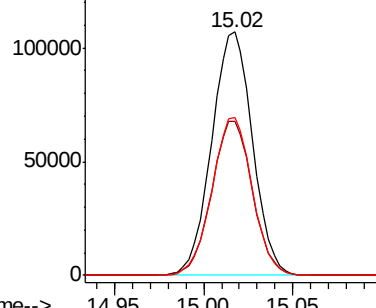


Abundance

Ion 225.00 (224.70 to 225.70): V

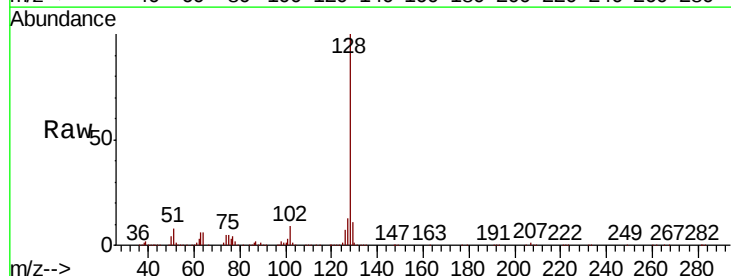
Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91
Naphthalene
Concen: 55.531 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058669.D
Acq: 10 Oct 2019 17:06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.7	8.6	13.0

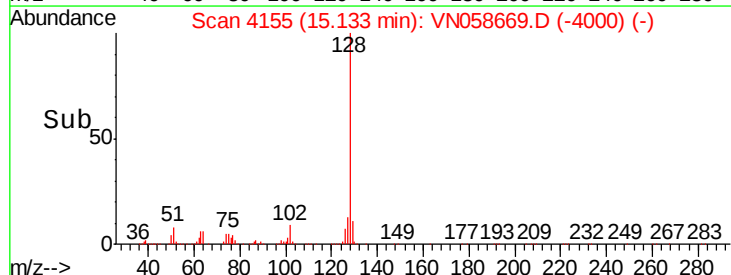
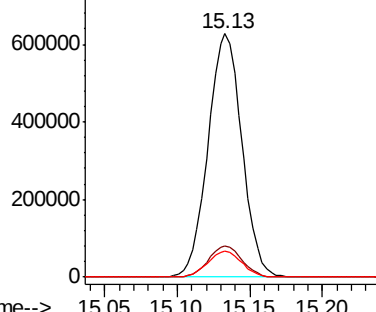


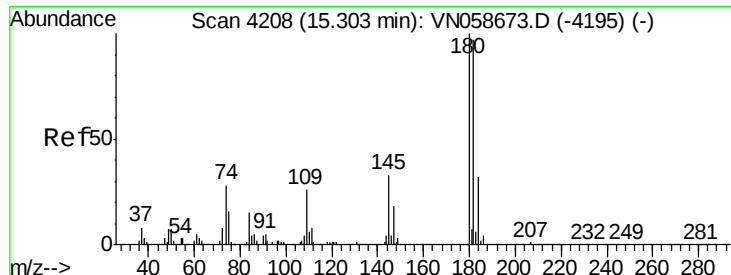
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 51.205 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. -0.00 min
 Lab File: VN058669.D
 Acq: 10 Oct 2019 17:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	193.4
145	32.2	0.0	65.8

