

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058671.D
 Acq On : 10 Oct 2019 17:50
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Oct 11 04:25:02 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	7.17	128	80850	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	455557	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	427255	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	200064	28.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.07%
60) 4-Bromofluorobenzene	12.41	95	230671	31.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.47%
63) Toluene-d8	10.08	98	597826	29.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	630053	131.758	ug/l 99
3) Chloromethane	2.04	50	814003	142.481	ug/l 100
4) Vinyl Chloride	2.17	62	864120	150.701	ug/l 98
5) Bromomethane	2.52	94	518122m	158.486	ug/l
6) Chloroethane	2.67	64	532248	155.607	ug/l 99
7) Trichlorofluoromethane	2.99	101	1047904	154.646	ug/l 98
8) Diethyl Ether	3.39	74	405708	137.797	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	601504	133.019	ug/l 99
10) 1,1-Dichloroethene	3.71	96	586058	132.330	ug/l 96
11) Methyl Iodide	3.93	142	876233	177.833	ug/l 98
12) Methyl Acetate	4.30	43	965365	157.260	ug/l 99
13) Acrolein	3.58	56	555610	1997.288	ug/l 99
14) Acrylonitrile	4.96	53	1996889	802.103	ug/l 98
15) Acetone	3.79	58	555433	805.879	ug/l 96
16) Carbon Disulfide	4.03	76	1736555	137.872	ug/l 100
17) Allyl chloride	4.30	41	1215230	144.818	ug/l 96
18) Methylene Chloride	4.53	84	708001	135.074	ug/l 99
19) trans-1,2-Dichloroethene	5.01	96	649657	131.284	ug/l 94
20) Diisopropyl ether	5.93	45	2511183	141.603	ug/l 92
21) 1,1-Dichloroethane	5.82	63	1338765	135.366	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	773675	134.050	ug/l 98
23) tert-Butyl Alcohol	4.76	59	813355	861.725	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	2274182	141.935	ug/l 99
25) Chloroform	7.36	83	1330658	133.025	ug/l 97
26) Cyclohexane	7.63	56	1222468	134.144	ug/l # 98
29) 1,1-Dichloropropene	7.77	75	1033789	138.772	ug/l 99
30) 2-Butanone	6.81	43	2959373	841.632	ug/l 99
31) 2,2-Dichloropropane	6.80	77	1165092	148.522	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	1162803	142.107	ug/l 99
33) Carbon Tetrachloride	7.76	117	1025971	147.009	ug/l 99
34) Benzene	8.02	78	2967858	139.553	ug/l # 91
35) Methacrylonitrile	7.16	41	522220m	169.314	ug/l
36) 1,2-Dichloroethane	8.11	62	1127789	135.497	ug/l 100
37) Trichloroethene	8.82	130	738123	138.880	ug/l 98
38) Methylcyclohexane	9.07	83	1231165	137.497	ug/l 98
39) 1,2-Dichloropropane	9.11	63	812248	139.043	ug/l 98
40) Dibromomethane	9.20	93	514675	140.019	ug/l 99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

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

41) Bromodichloromethane	9.39	83	1080702	147.210	ug/l	99
42) Vinyl Acetate	5.87	43	9276328	703.219	ug/l #	95
43) Ethyl Acetate	6.91	43	1129304	160.154	ug/l	94
44) Isopropyl Acetate	8.15	43	1920799	156.467	ug/l	99
45) 1,4-Dioxane	9.19	88	298564	2966.741	ug/l	98
46) Methyl methacrylate	9.19	41	909667	157.228	ug/l	98
47) n-amyl Acetate	12.07	43	1829011	169.890	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1294600	159.041	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	1350339	151.468	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	743587	144.240	ug/l	99
51) Ethyl methacrylate	10.43	69	1305662	159.644	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1329574	145.370	ug/l	99
53) Dibromochloromethane	10.90	129	843190	159.541	ug/l	99
54) 1,2-Dibromoethane	11.00	107	794227	150.412	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	3252816	895.417	ug/l	97
56) Bromoform	12.13	173	621661	181.763	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	4926130	709.608	ug/l #	87
59) 2-Hexanone	10.75	43	4081967	772.535	ug/l	89
61) Tetrachloroethene	10.63	164	639112	139.693	ug/l	99
62) Toluene	10.15	91	3154694	134.319	ug/l	96
64) Chlorobenzene	11.43	112	2003459	138.751	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	762003	147.516	ug/l	98
66) Ethyl Benzene	11.51	91	3461591	135.481	ug/l	90
67) m/p-Xylenes	11.62	106	2770171	281.975	ug/l	82
68) o-Xylene	11.95	106	1352089	141.705	ug/l	94
69) Styrene	11.97	104	2332136	146.706	ug/l	99
70) Isopropylbenzene	12.25	105	3440841	138.968	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.51	83	1215278	150.979	ug/l	99
72) 1,1,2,3-Trichloropropane	12.56	75	1101875m	158.046	ug/l	
73) Bromobenzene	12.53	156	875849	144.907	ug/l	98
74) n-propylbenzene	12.60	91	3904709	136.384	ug/l	93
75) 2-Chlorotoluene	12.68	91	2538213	141.904	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	3036187	142.300	ug/l	95
77) t-1,4-Dichloro-2-butene	12.30	75	466032	194.577	ug/l	94
78) 4-Chlorotoluene	12.78	91	2674322	145.961	ug/l	98
79) tert-butylbenzene	13.00	119	2641999	142.414	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	3049771	143.602	ug/l	96
81) sec-Butylbenzene	13.18	105	3442607	142.158	ug/l	95
82) p-Isopropyltoluene	13.29	119	3176362	145.337	ug/l	96
83) 1,3-Dichlorobenzene	13.29	146	1653999	148.647	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	1644418	147.944	ug/l	99
85) n-Butylbenzene	13.62	91	3037135	150.170	ug/l	94
86) Hexachloroethane	13.88	117	618108	167.967	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	1595373	146.941	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	281195	171.731	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	1062303	149.000	ug/l	99
90) Hexachlorobutadiene	15.02	225	521191	149.864	ug/l	100
91) Naphthalene	15.13	128	3087044	155.514	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	1031765	150.121	ug/l	99

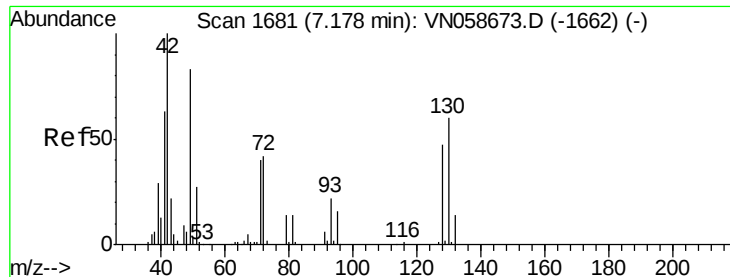
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

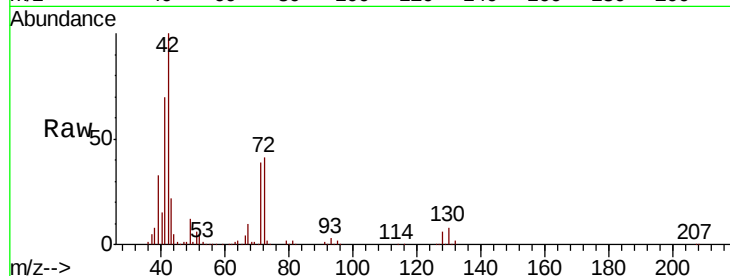
Tot Ion:128 Resp: 80850

Ion Ratio Lower Upper

128 100

49 198.4 0.0 453.5

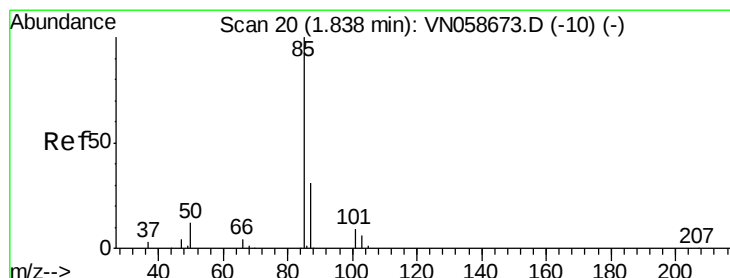
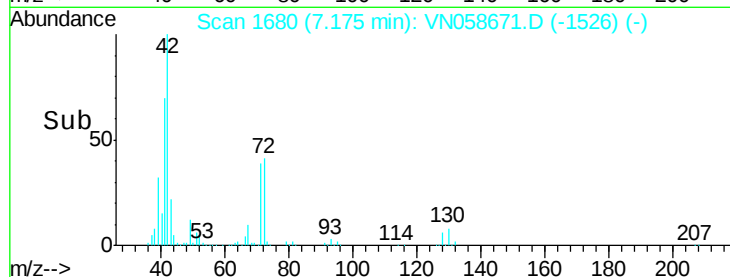
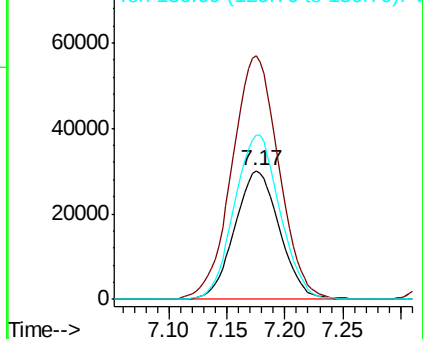
130 130.1 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 131.758 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058671.D

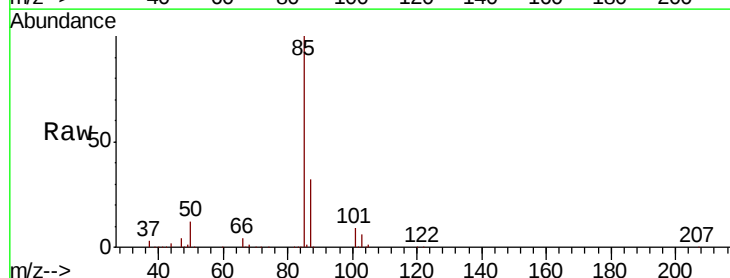
Acq: 10 Oct 2019 17:50

Tgt Ion: 85 Resp: 630053

Ion Ratio Lower Upper

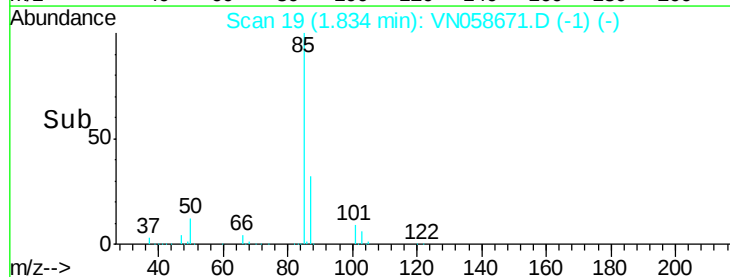
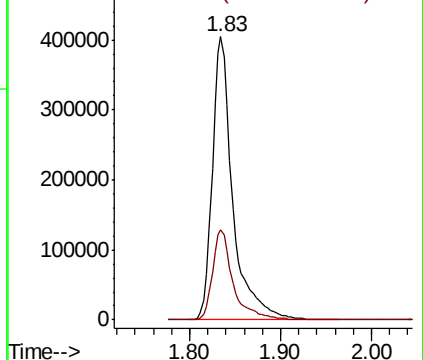
85 100

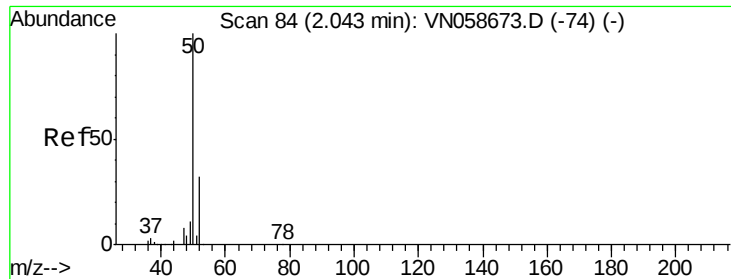
87 32.0 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 142.481 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

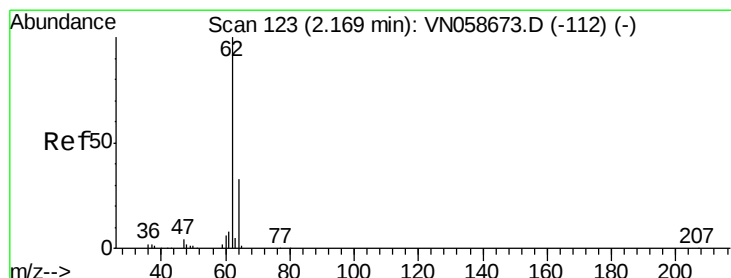
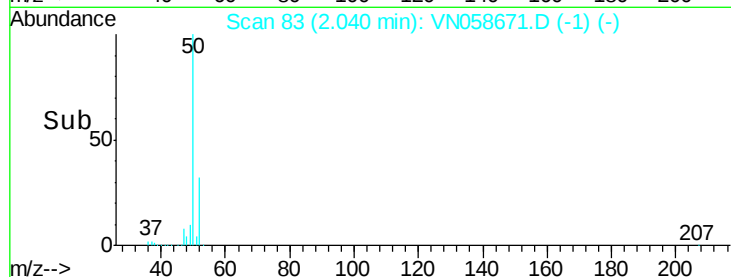
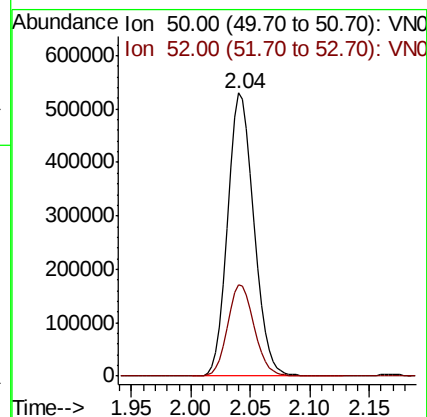
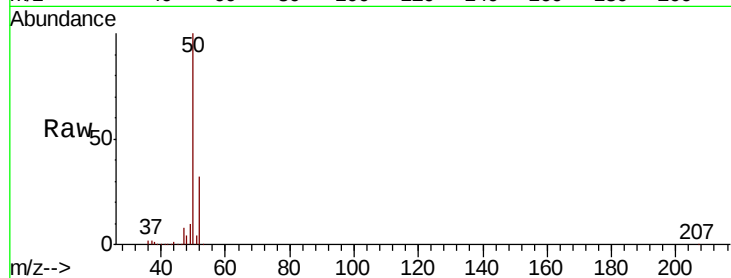
VSTDIC150

Tot Ion: 50 Resp: 814003

Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.8



#4

Vinyl Chloride

Concen: 150.701 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058671.D

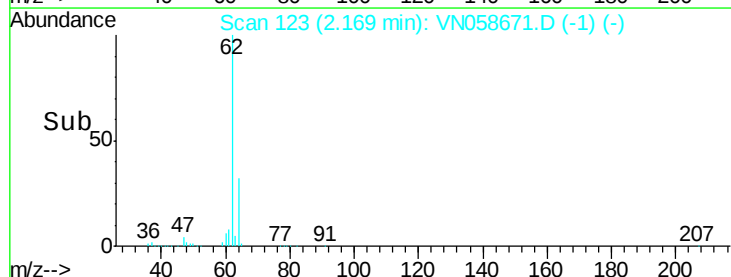
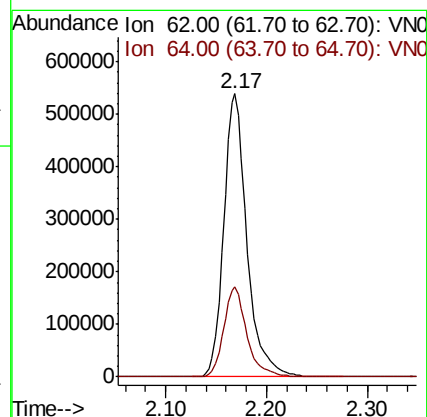
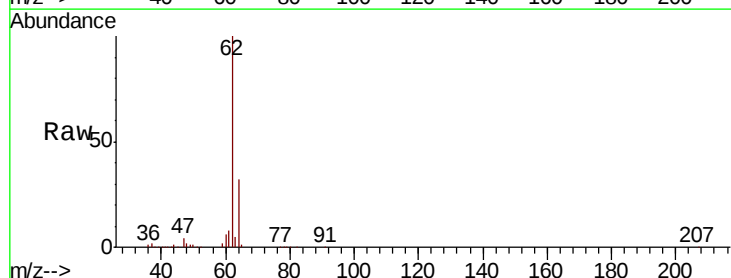
Acq: 10 Oct 2019 17:50

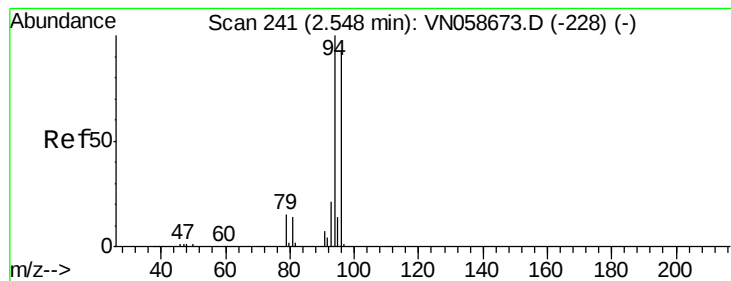
Tgt Ion: 62 Resp: 864120

Ion Ratio Lower Upper

62 100

64 31.6 26.1 39.1





#5

Bromomethane

Concen: 158.486 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.03 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampled :

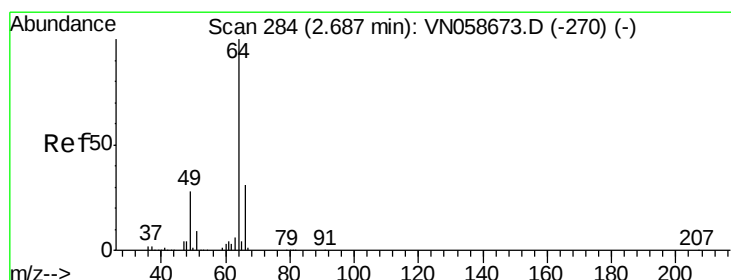
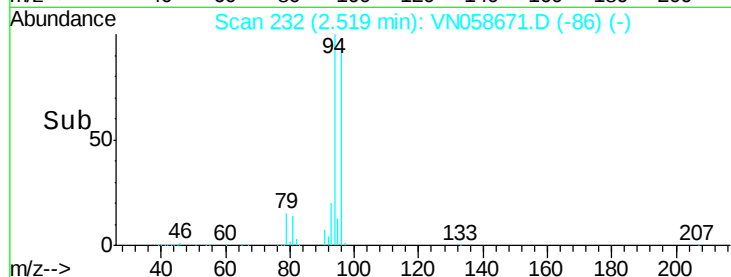
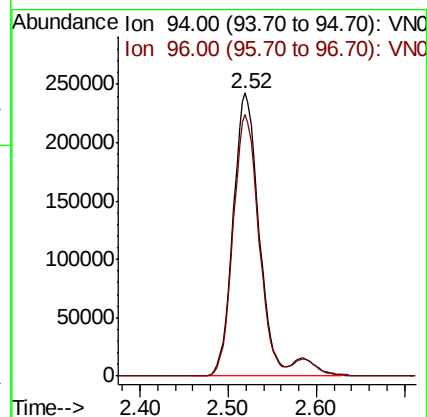
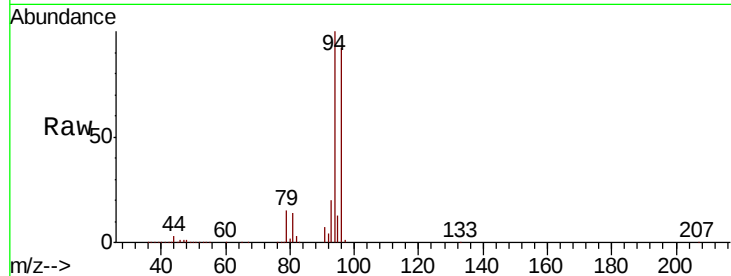
VSTDIC150

Tot Ion: 94 Resp: 518122

Ion Ratio Lower Upper

94 100

96 92.3 73.7 110.5



#6

Chloroethane

Concen: 155.607 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.02 min

Lab File: VN058671.D

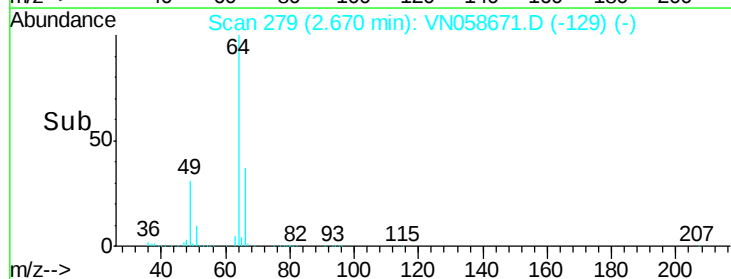
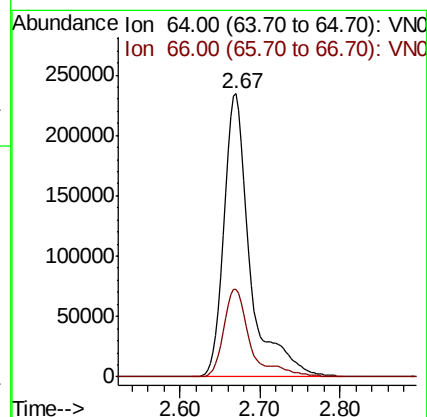
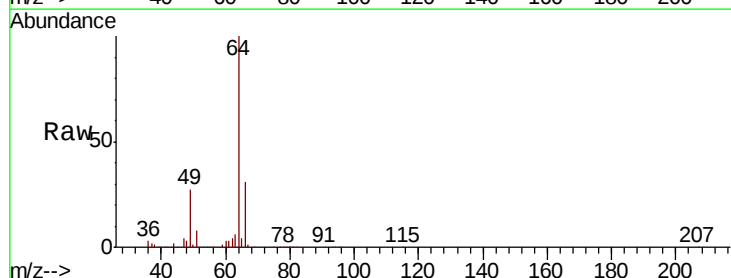
Acq: 10 Oct 2019 17:50

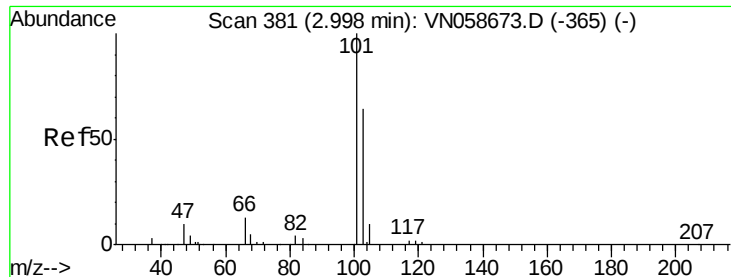
Tgt Ion: 64 Resp: 532248

Ion Ratio Lower Upper

64 100

66 31.0 24.6 36.8



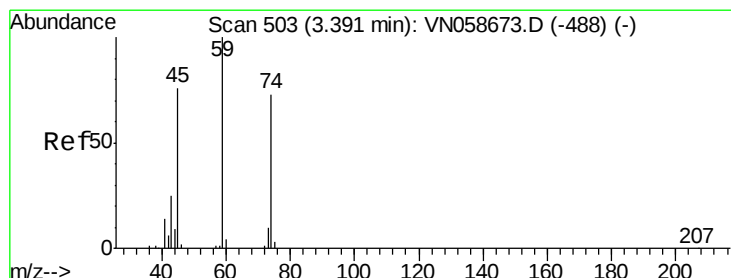
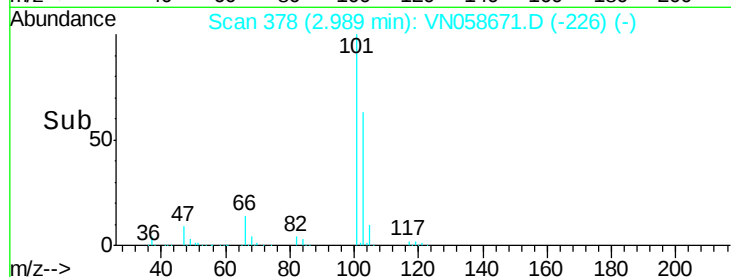
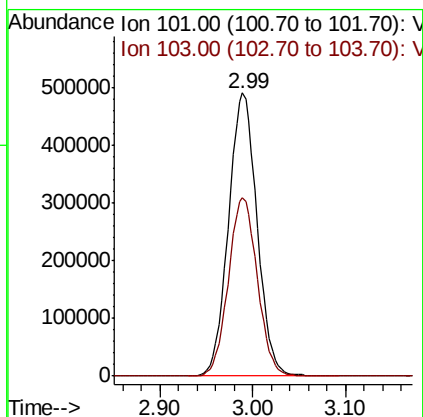
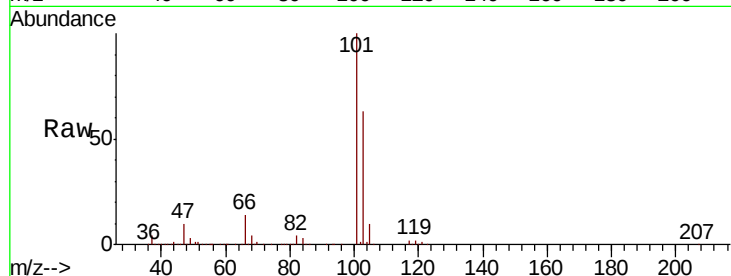


#7

Trichlorofluoromethane
Concen: 154.646 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

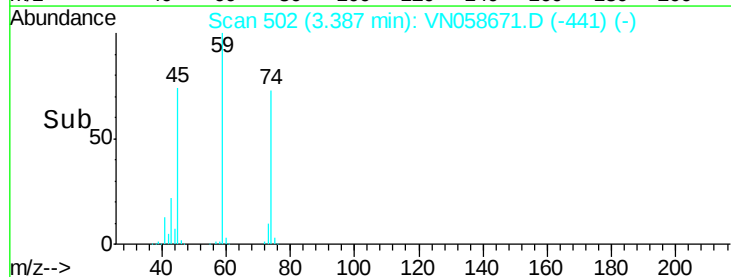
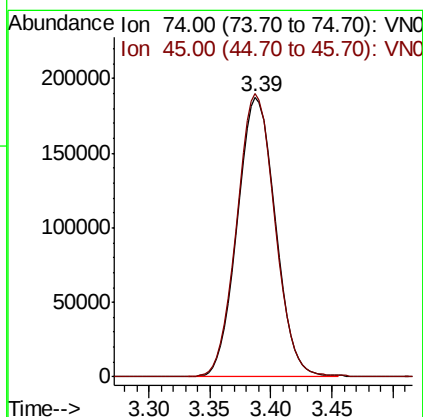
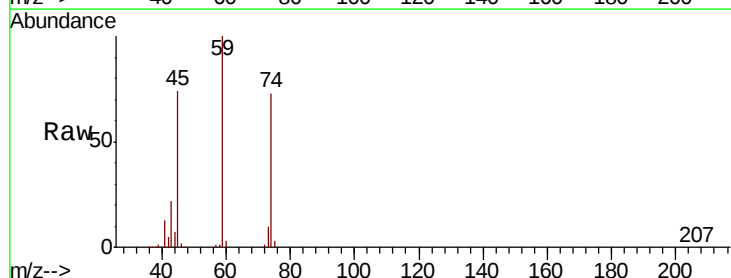
Tot Ion:101 Resp: 1047904
Ion Ratio Lower Upper
101 100
103 63.0 51.5 77.3

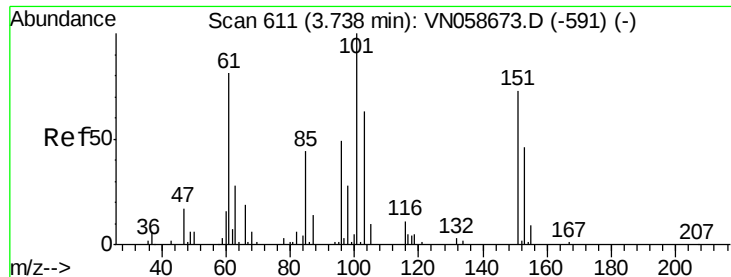


#8

Diethyl Ether
Concen: 137.797 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 74 Resp: 405708
Ion Ratio Lower Upper
74 100
45 101.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.019 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.01 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

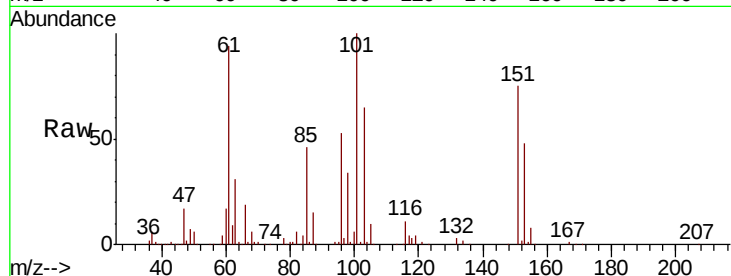
Tot Ion:101 Resp: 601504

Ion Ratio Lower Upper

101 100

85 45.4 0.0 93.8

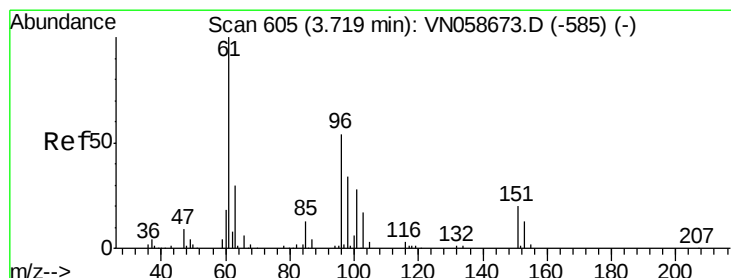
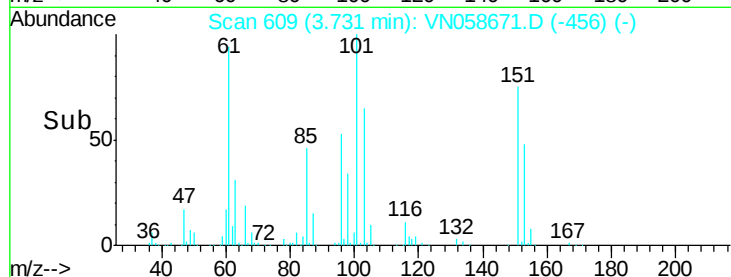
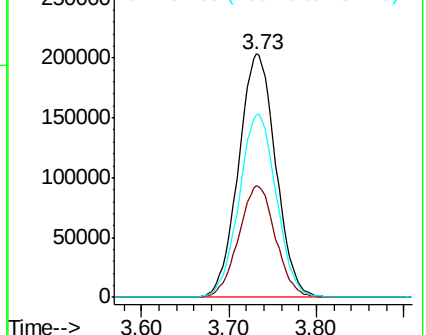
151 75.3 0.0 149.6



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: 132.330 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

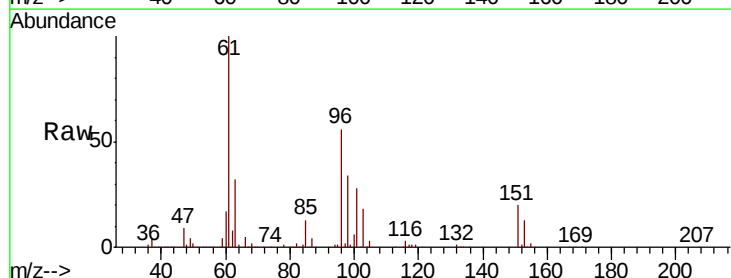
Tgt Ion: 96 Resp: 586058

Ion Ratio Lower Upper

96 100

61 179.8 148.5 222.7

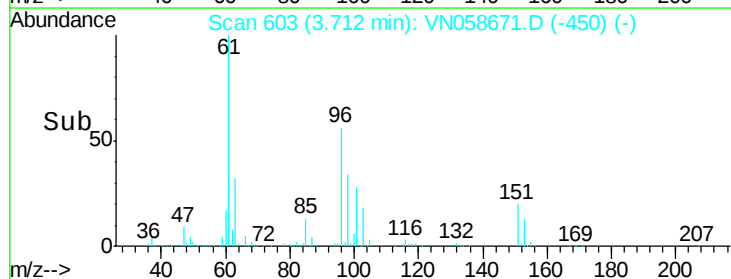
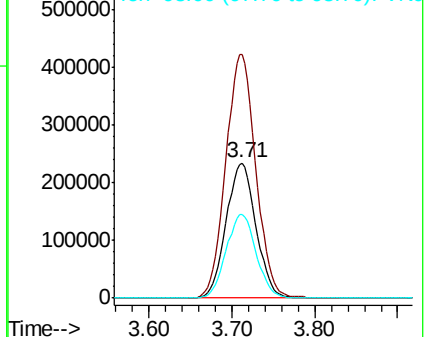
98 61.9 51.0 76.6

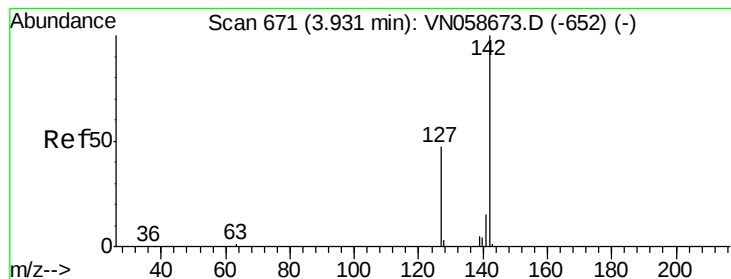


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methvl Iodide

Concen: 177.833 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

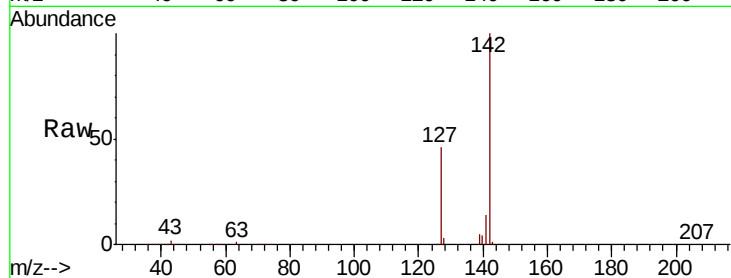
Tot Ion:142 Resp: 876233

Ion Ratio Lower Upper

142 100

127 45.5 23.5 70.6

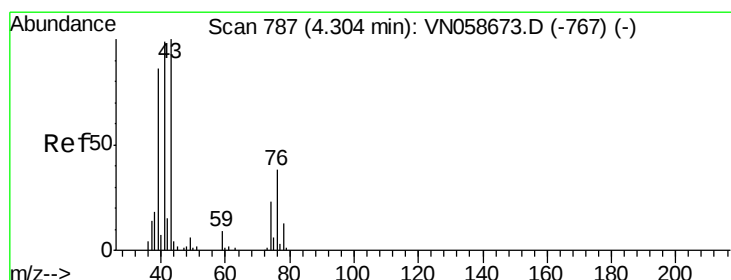
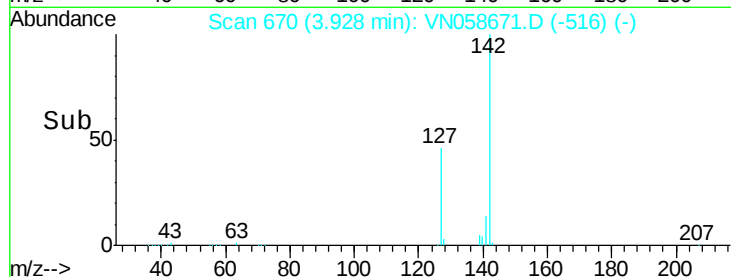
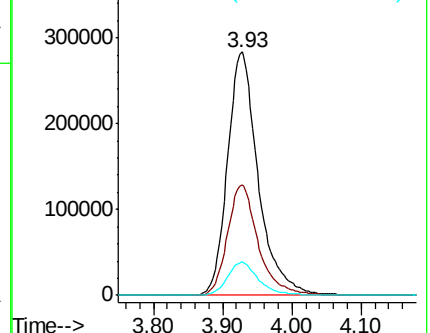
141 13.7 7.4 22.2



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 157.260 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN058671.D

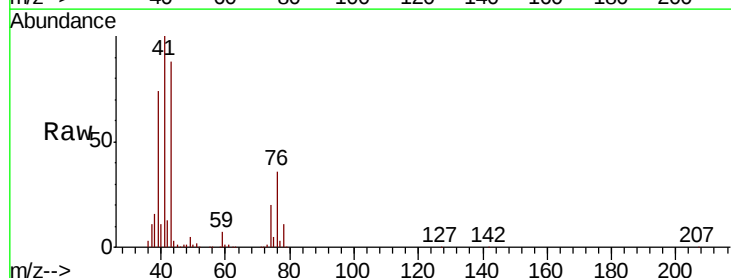
Acq: 10 Oct 2019 17:50

Tgt Ion: 43 Resp: 965365

Ion Ratio Lower Upper

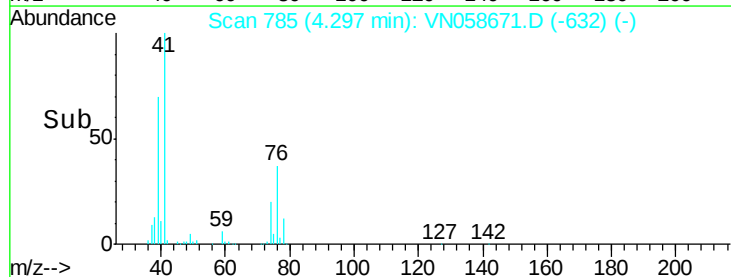
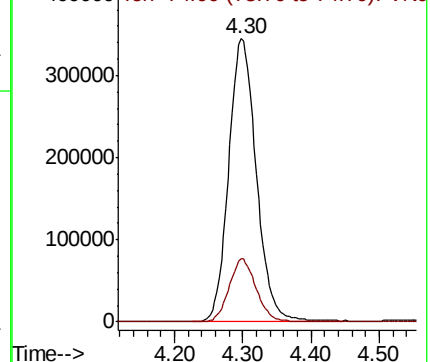
43 100

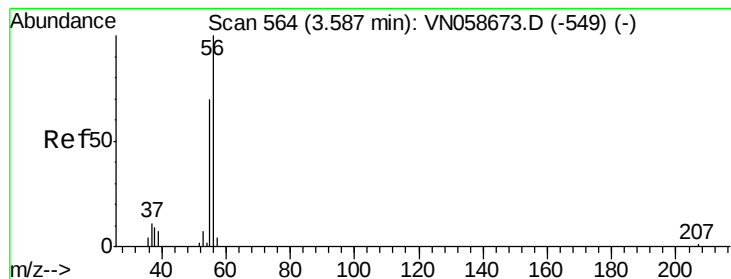
74 22.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 1997.288 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

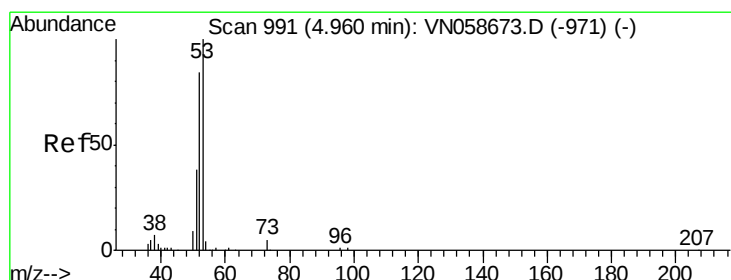
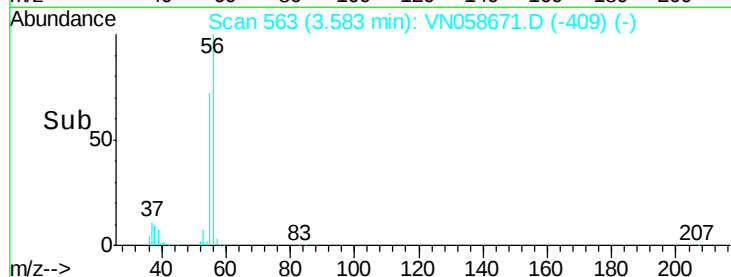
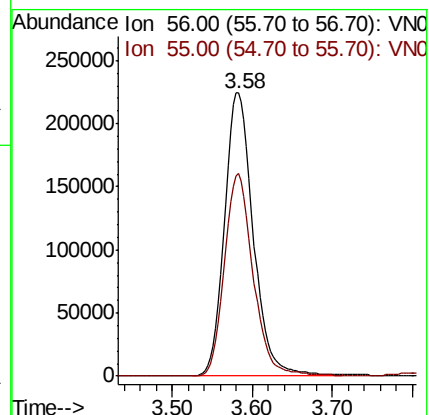
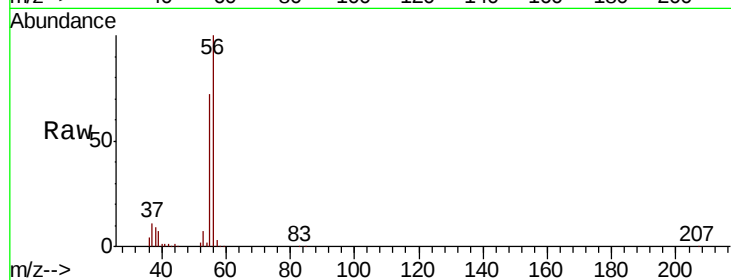
VSTDIC150

Tot Ion: 56 Resp: 555610

Ion Ratio Lower Upper

56 100

55 70.6 55.9 83.9



#14

Acrylonitrile

Concen: 802.103 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

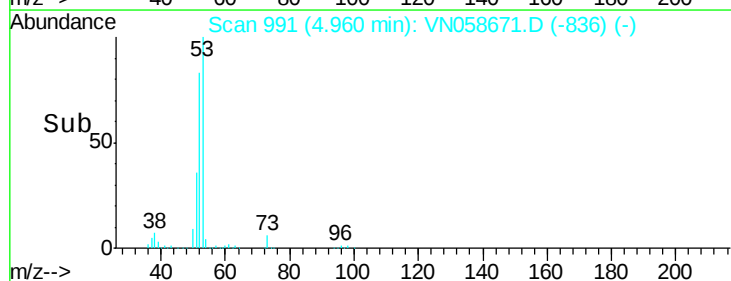
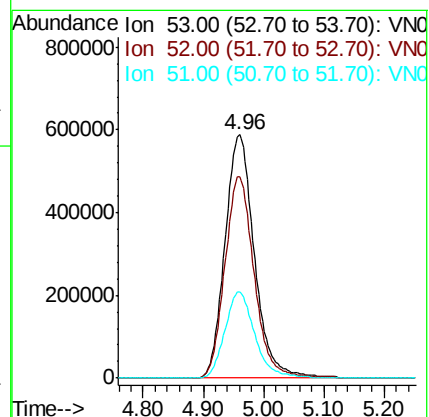
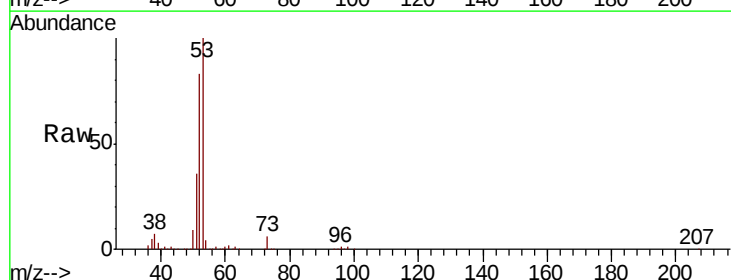
Tgt Ion: 53 Resp: 1996889

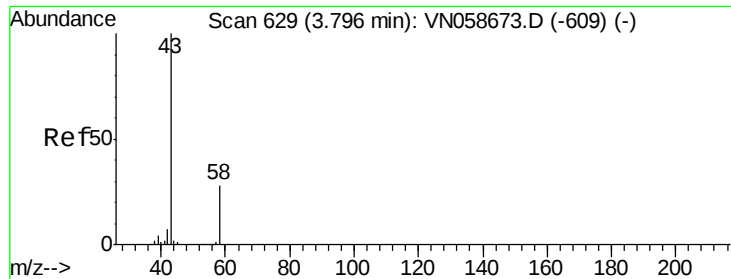
Ion Ratio Lower Upper

53 100

52 82.6 42.2 126.6

51 36.3 18.8 56.4





#15

Acetone

Concen: 805.879 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

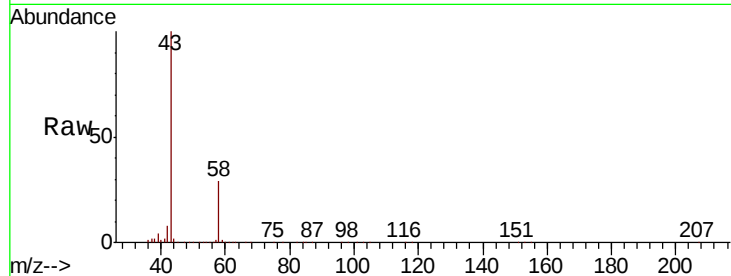
VSTDIC150

Tot Ion: 58 Resp: 555433

Ion Ratio Lower Upper

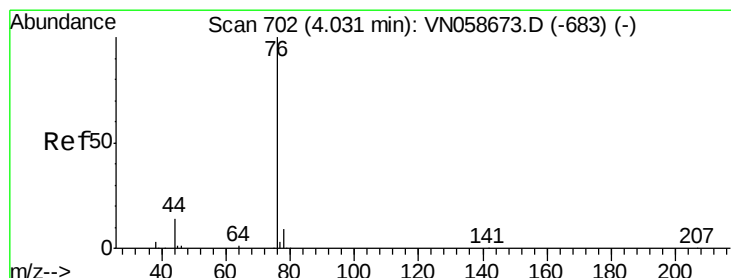
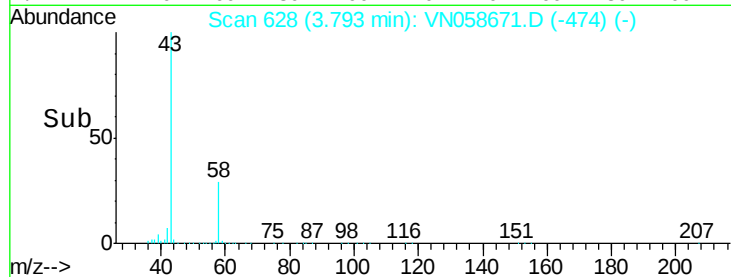
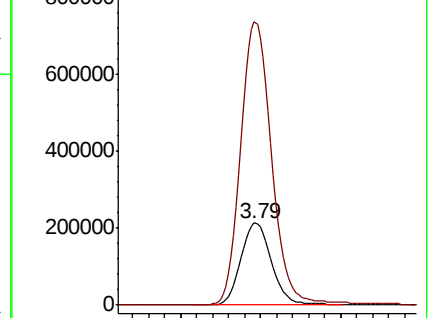
58 100

43 344.3 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN058671.D (-474) (-)

Ion 43.00 (42.70 to 43.70): VN058671.D (-474) (-)



#16

Carbon Disulfide

Concen: 137.872 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058671.D

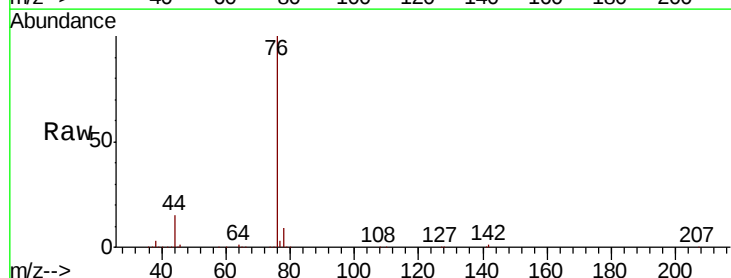
Acq: 10 Oct 2019 17:50

Tgt Ion: 76 Resp: 1736555

Ion Ratio Lower Upper

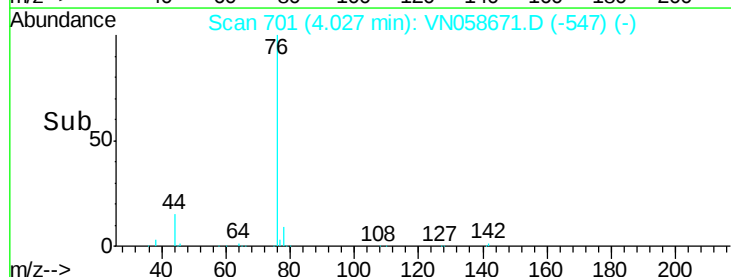
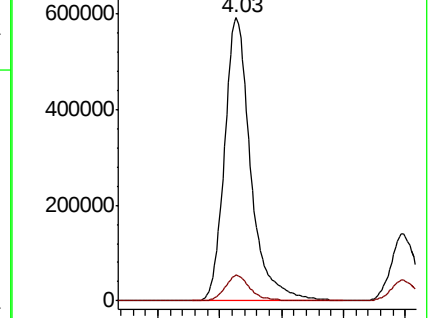
76 100

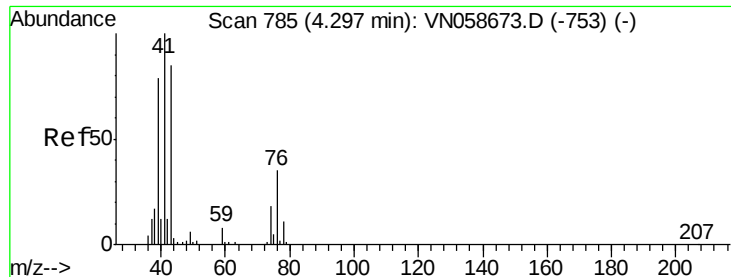
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058671.D (-547) (-)

Ion 78.00 (77.70 to 78.70): VN058671.D (-547) (-)

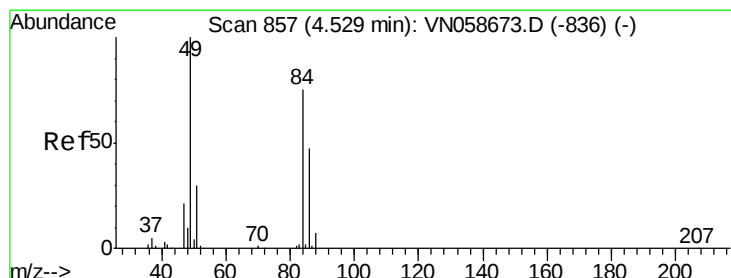
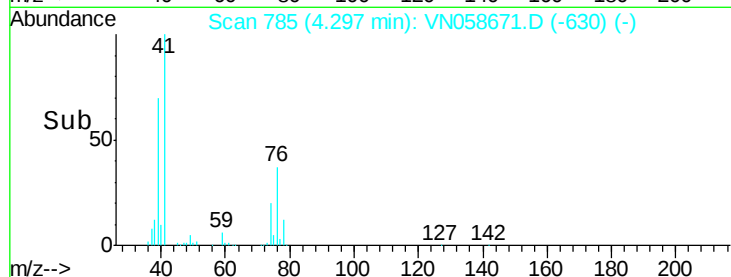
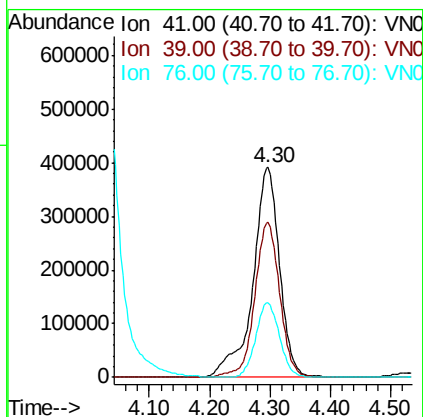
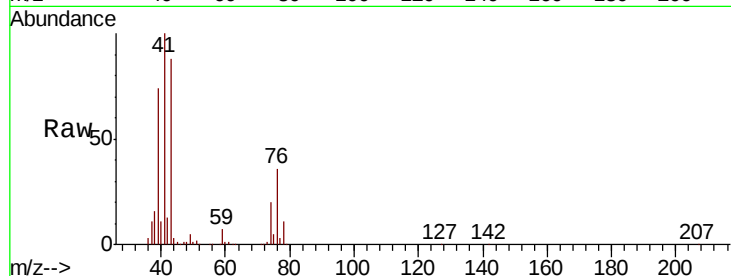




#17
Allvl chloride
Concen: 144.818 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

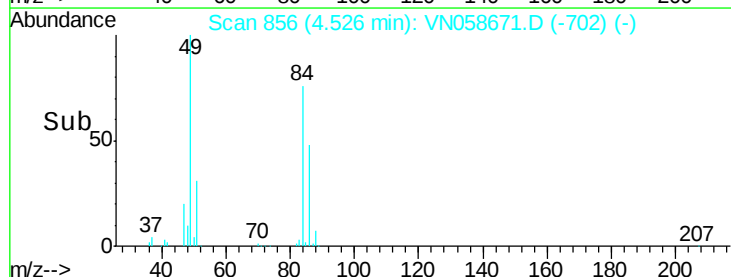
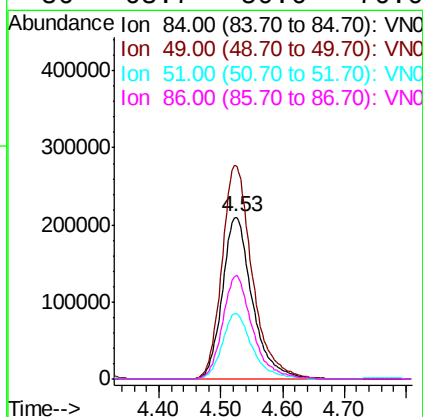
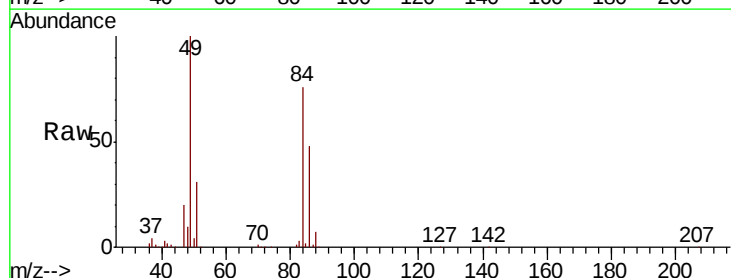
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

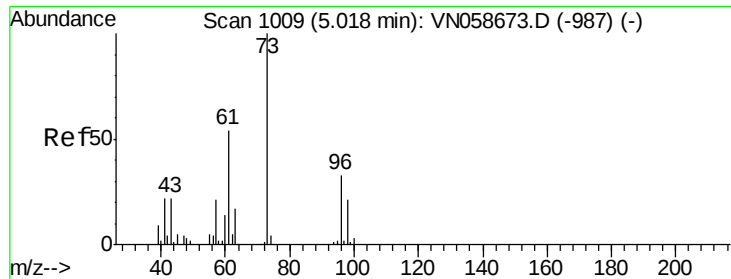
Tot Ion: 41 Resp: 1215230
Ion Ratio Lower Upper
41 100
39 73.7 39.6 118.8
76 35.6 17.6 52.9



#18
Methylene Chloride
Concen: 135.074 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 84 Resp: 708001
Ion Ratio Lower Upper
84 100
49 131.5 106.6 160.0
51 40.4 32.4 48.6
86 63.7 50.6 76.0

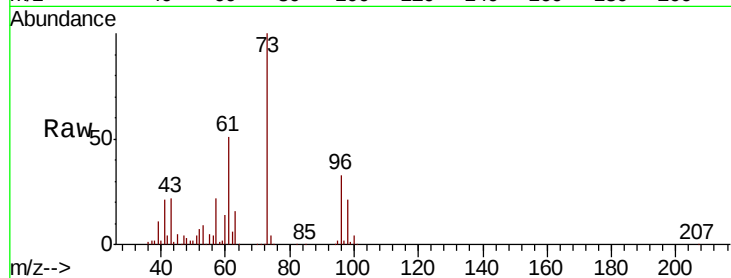




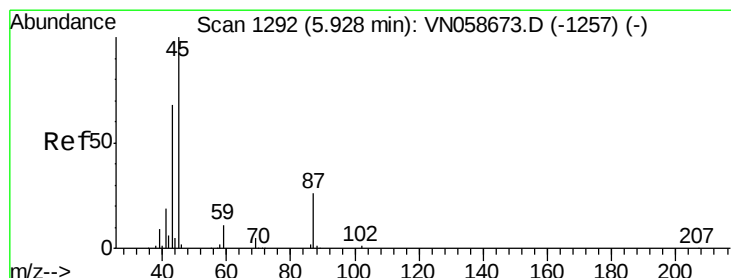
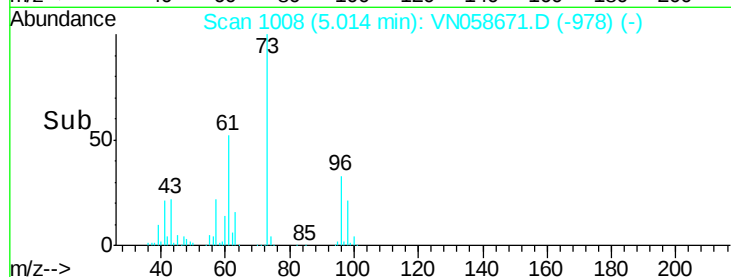
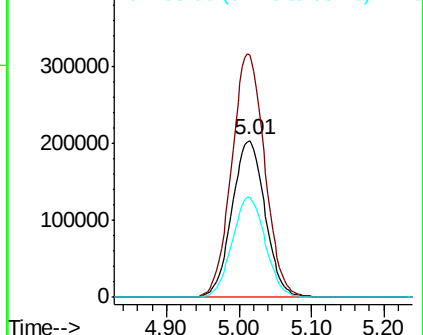
#19
trans-1,2-Dichloroethene
Concen: 131.284 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 96 Resp: 649657
Ion Ratio Lower Upper
96 100
61 154.9 131.8 197.6
98 63.9 52.6 79.0

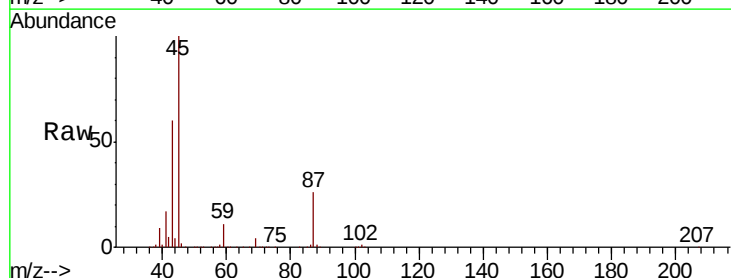


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

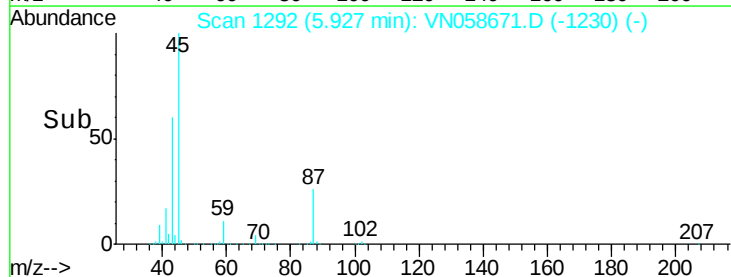
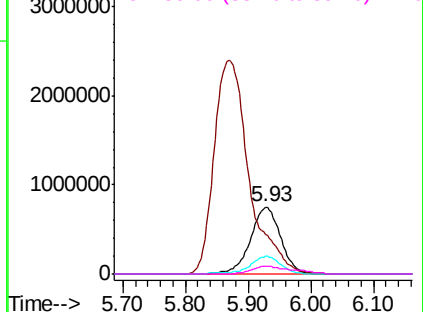


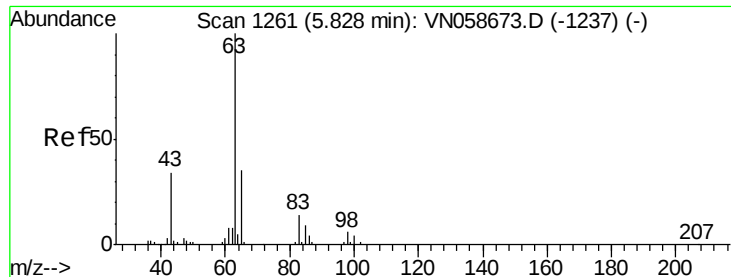
#20
Diisopropyl ether
Concen: 141.603 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 45 Resp: 2511183
Ion Ratio Lower Upper
45 100
43 59.2 54.7 82.1
87 26.1 21.5 32.3
59 11.1 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: 135.366 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

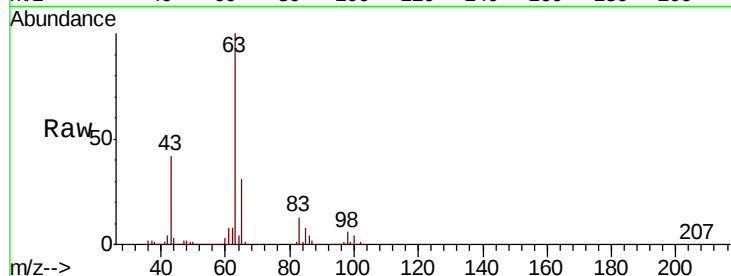
Tot Ion: 63 Resp: 1338765

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

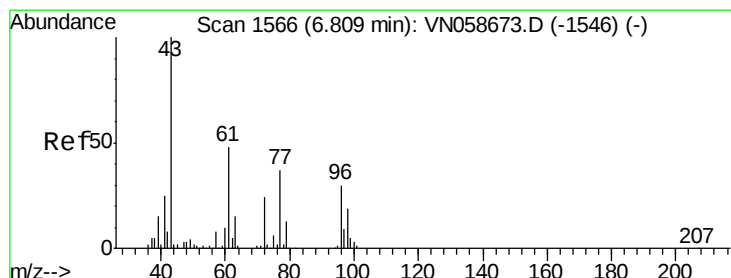
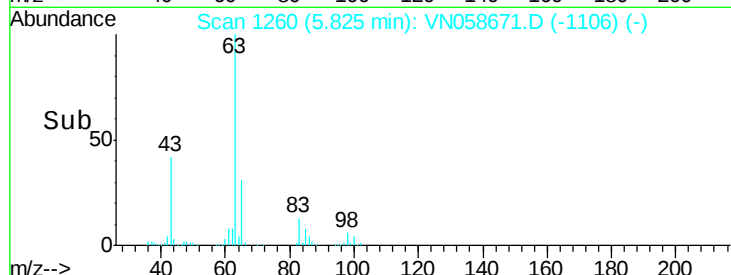
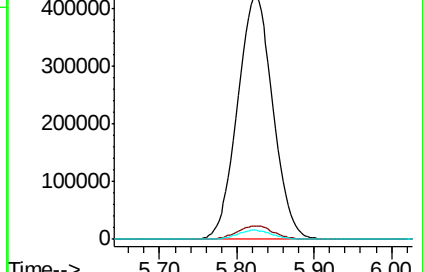
100 3.6 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN058671.D (-1106) (-)

Ion 98.00 (97.70 to 98.70): VN058671.D (-1106) (-)

Ion 100.00 (99.70 to 100.70): VN058671.D (-1106) (-)



#22

cis-1,2-Dichloroethene

Concen: 134.050 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

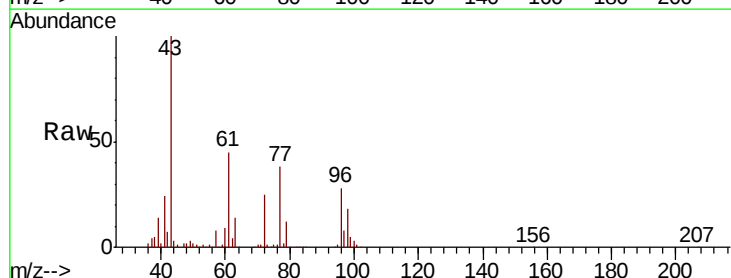
Tgt Ion: 96 Resp: 773675

Ion Ratio Lower Upper

96 100

61 161.3 127.2 190.8

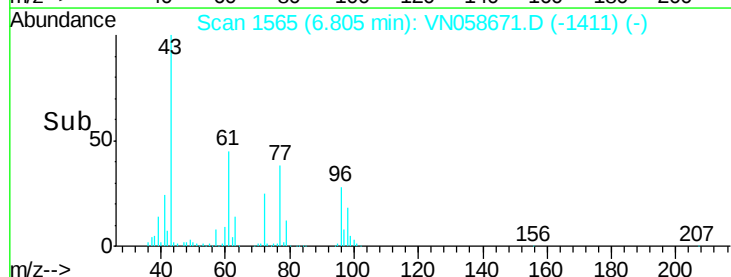
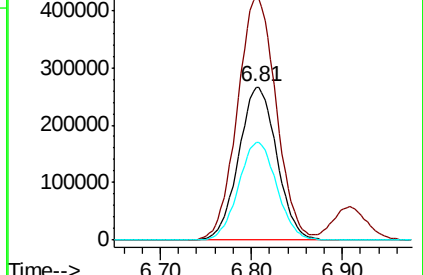
98 64.4 50.5 75.7

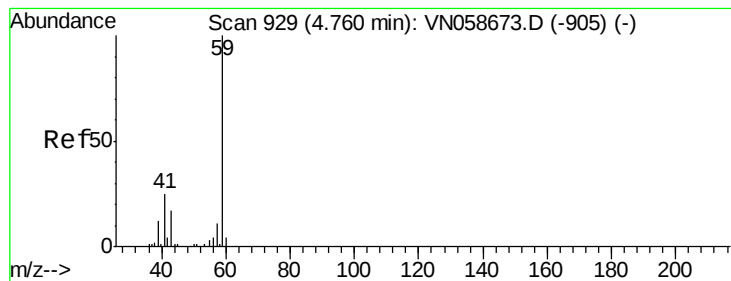


Abundance Ion 96.00 (95.70 to 96.70): VN058671.D (-1411) (-)

Ion 61.00 (60.70 to 61.70): VN058671.D (-1411) (-)

Ion 98.00 (97.70 to 98.70): VN058671.D (-1411) (-)



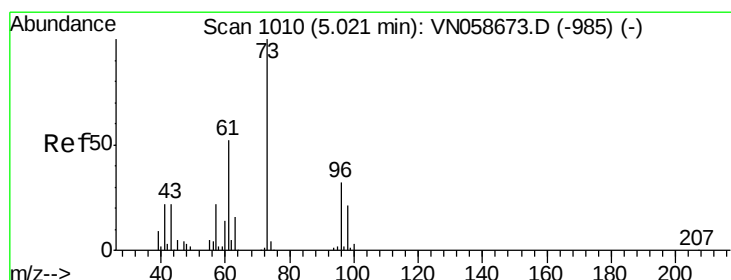
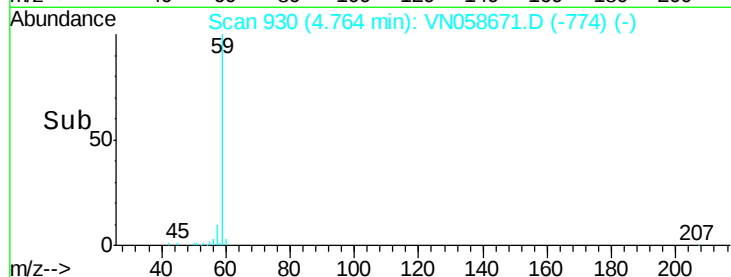
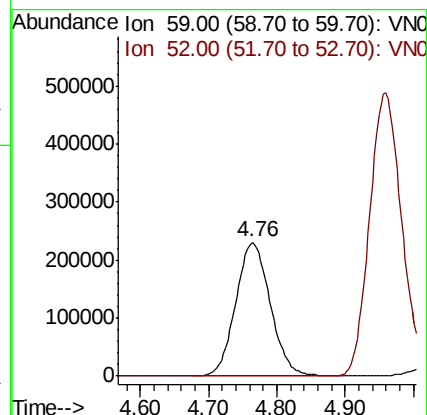
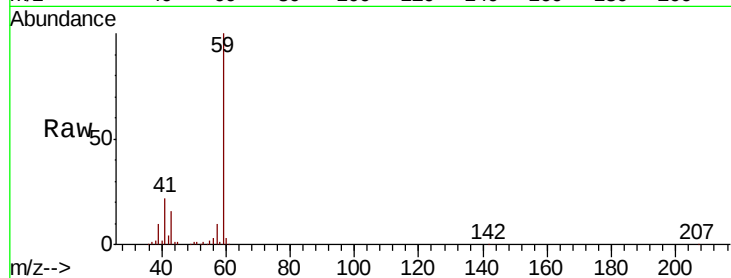


#23

tert-Butyl Alcohol
 Concen: 861.725 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

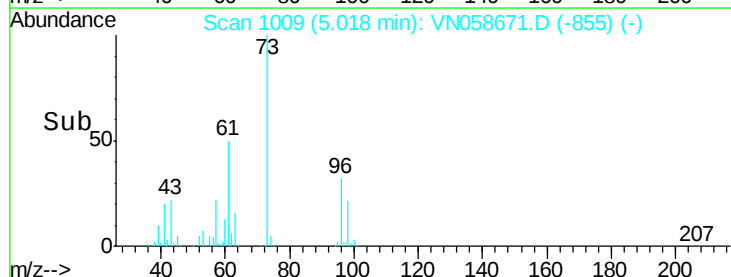
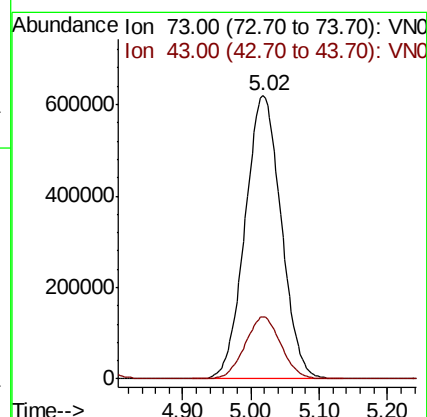
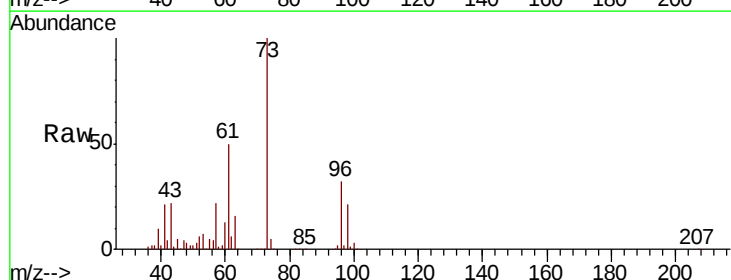
Tot Ion: 59 Resp: 813355
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

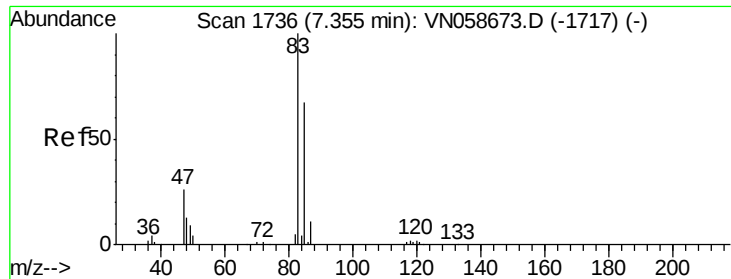


#24

Methyl tert-Butyl Ether
 Concen: 141.935 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion: 73 Resp: 2274182
 Ion Ratio Lower Upper
 73 100
 43 21.7 17.9 26.9

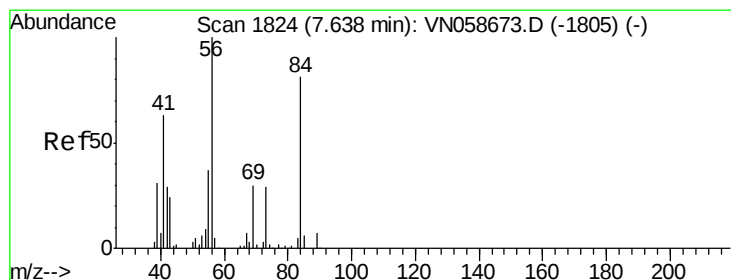
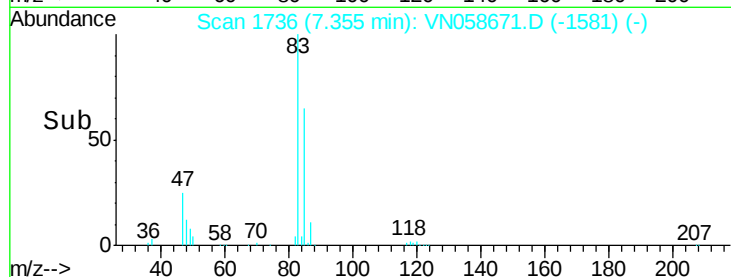
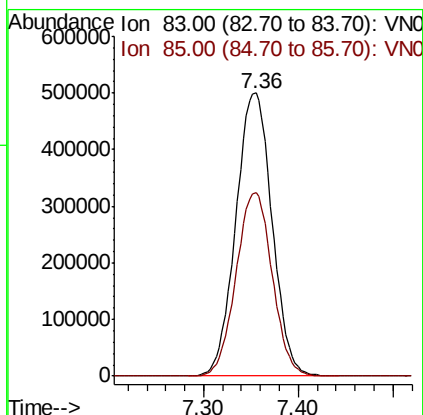
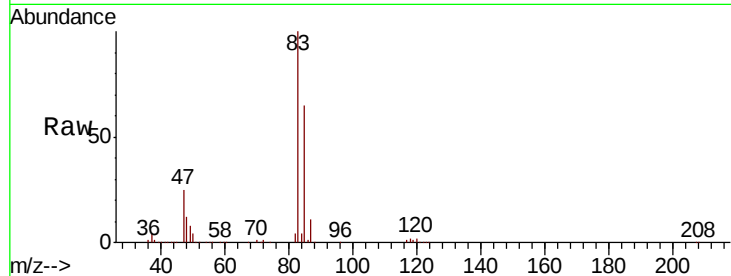




#25
Chloroform
Concen: 133.025 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

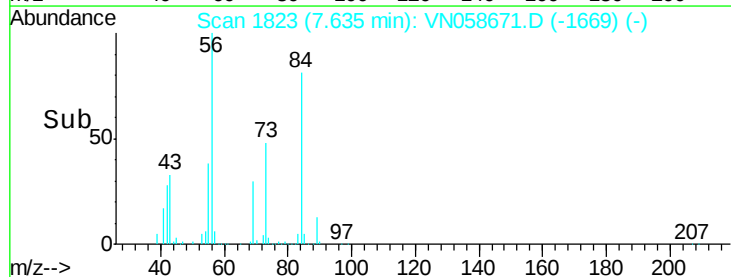
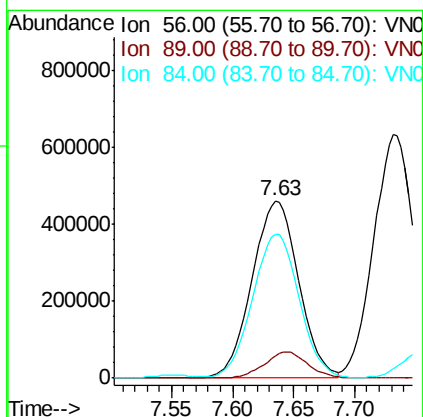
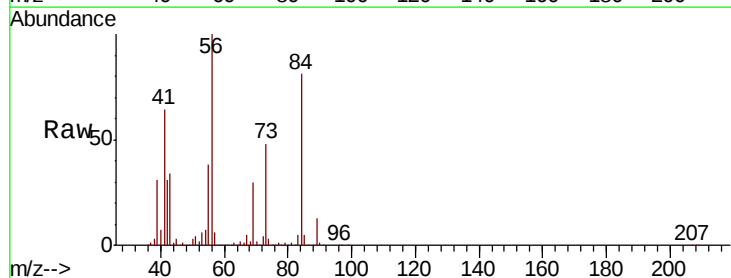
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

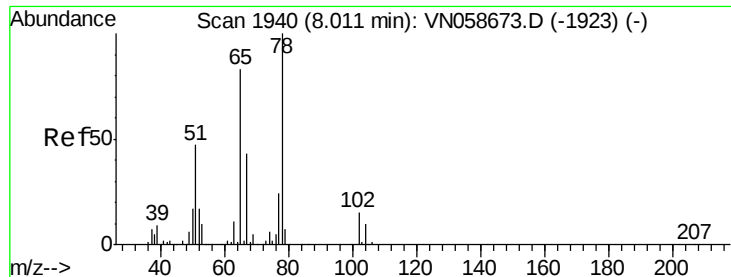
Tot Ion: 83 Resp: 1330658
Ion Ratio Lower Upper
83 100
85 64.6 53.8 80.8



#26
Cyclohexane
Concen: 134.144 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 56 Resp: 1222468
Ion Ratio Lower Upper
56 100
89 13.9 6.2 9.2#
84 81.4 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 28.216 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

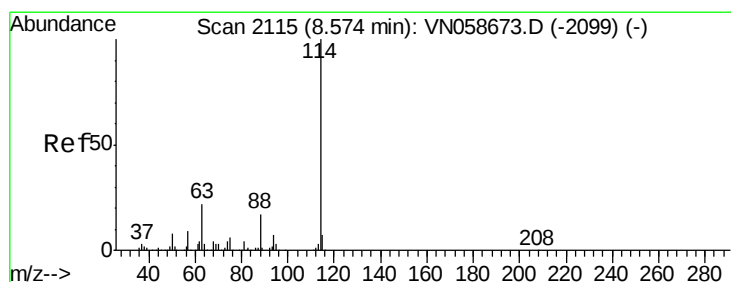
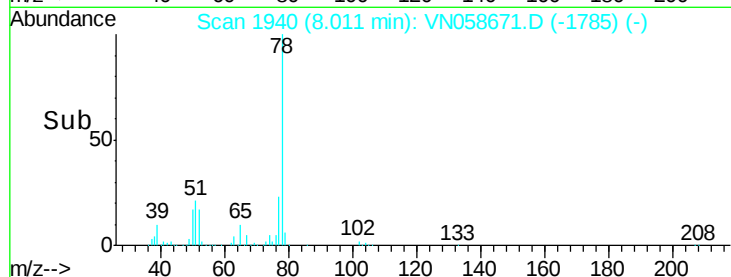
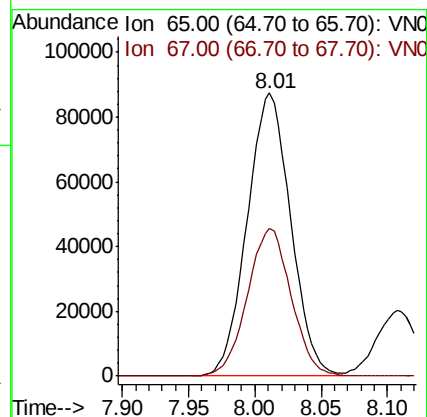
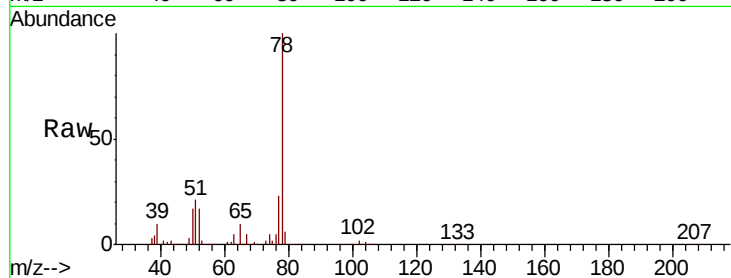
VSTDIC150

Tot Ion: 65 Resp: 200064

Ion Ratio Lower Upper

65 100

67 52.4 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: VN058671.D

Acq: 10 Oct 2019 17:50

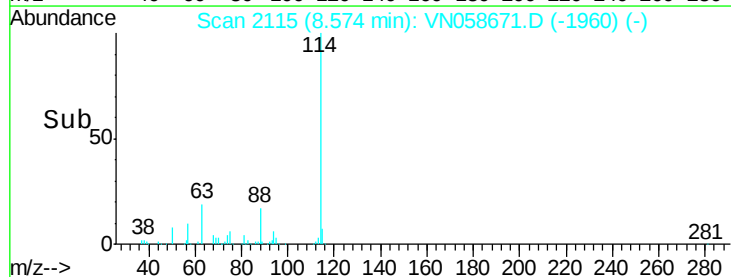
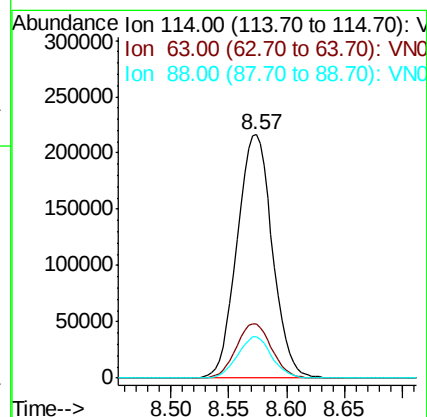
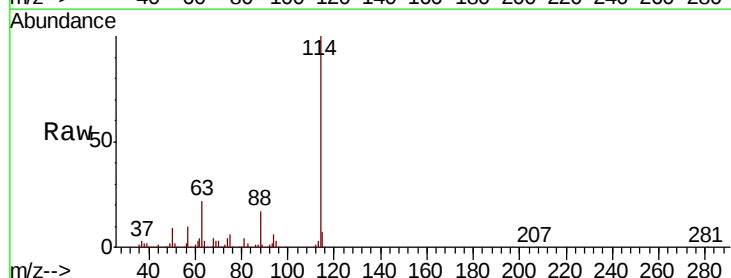
Tgt Ion: 114 Resp: 455557

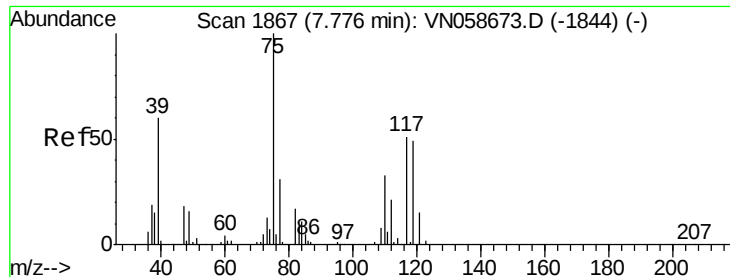
Ion Ratio Lower Upper

114 100

63 22.4 18.1 27.1

88 16.4 13.0 19.4

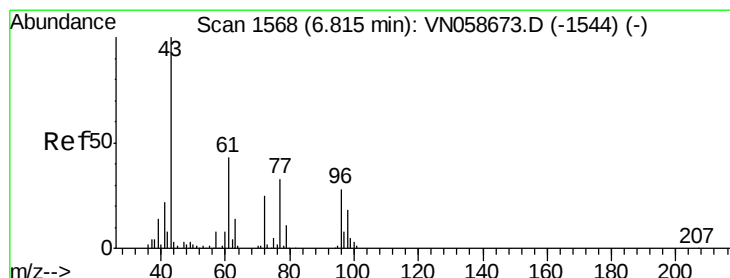
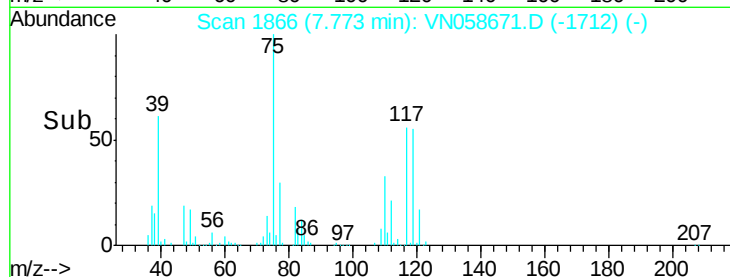
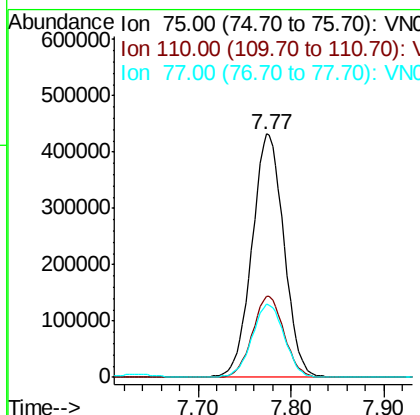
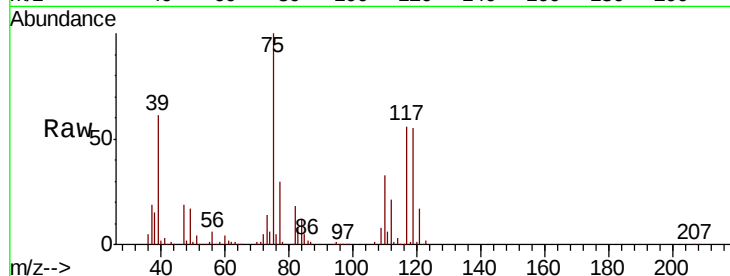




#29
 1,1-Dichloropropene
 Concen: 138.772 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

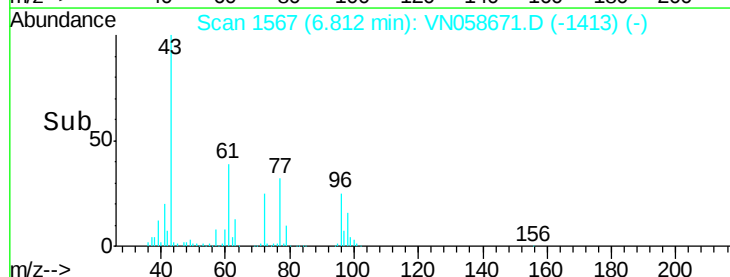
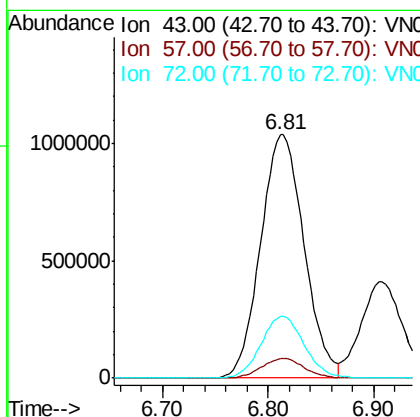
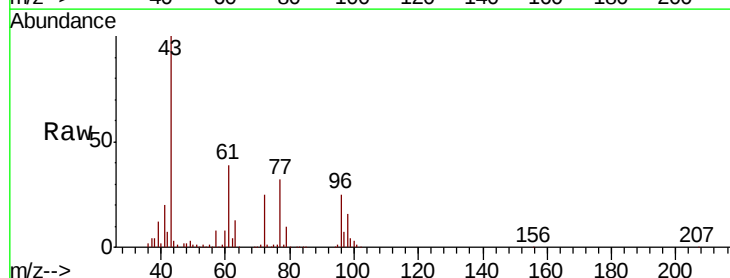
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

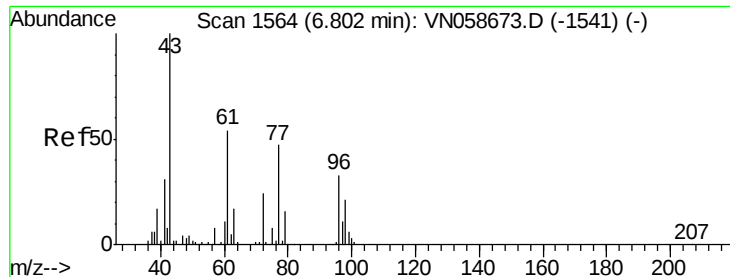
Tot Ion: 75 Resp: 1033789
 Ion Ratio Lower Upper
 75 100
 110 32.9 0.0 64.6
 77 30.5 0.0 60.8



#30
 2-Butanone
 Concen: 841.632 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion: 43 Resp: 2959373
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.5 9.7
 72 25.5 20.1 30.1

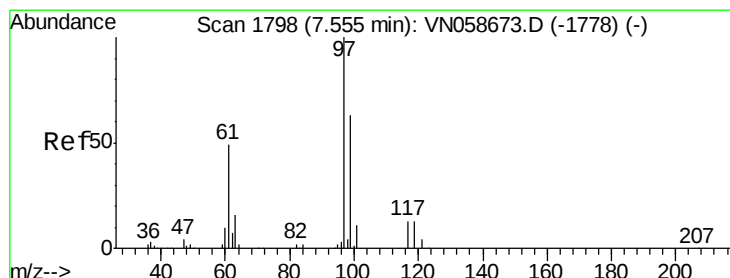
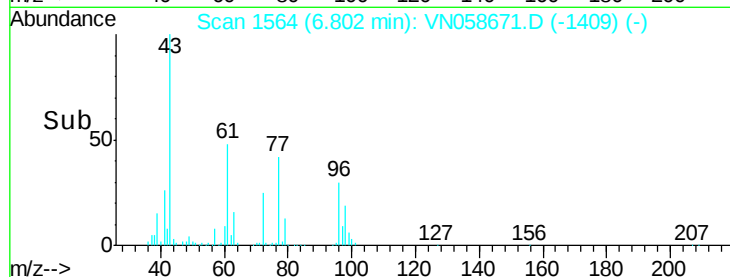
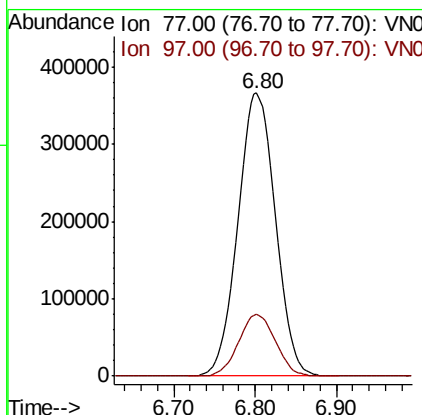
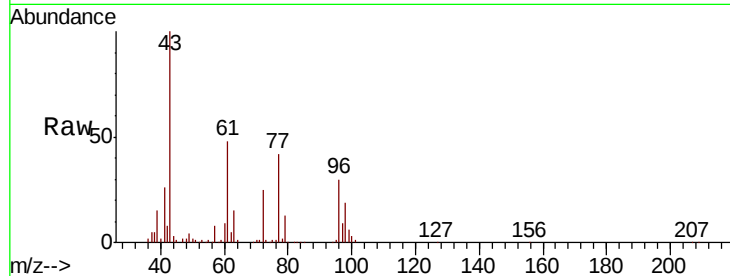




#31
 2,2-Dichloropropane
 Concen: 148.522 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

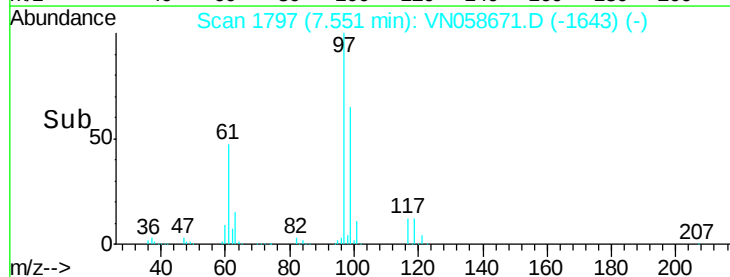
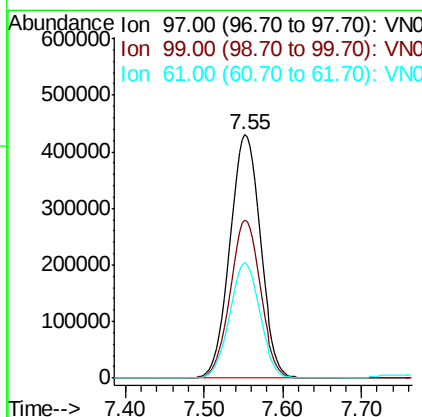
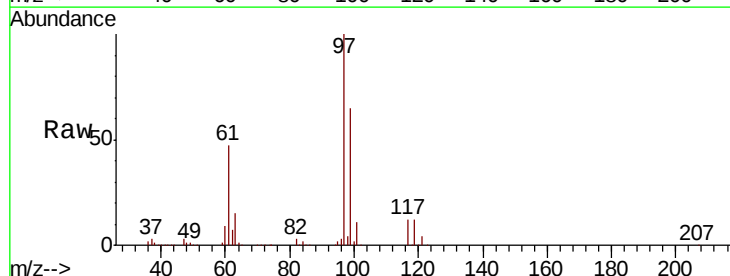
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

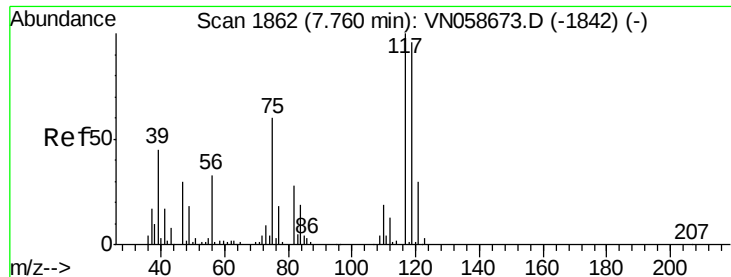
Tot Ion: 77 Resp: 1165092
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.9 26.9



#32
 1,1,1-Trichloroethane
 Concen: 142.107 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion: 97 Resp: 1162803
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.3 76.9
 61 47.0 38.4 57.6





#33

Carbon Tetrachloride

Concen: 147.009 ug/l

RT: 7.76 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

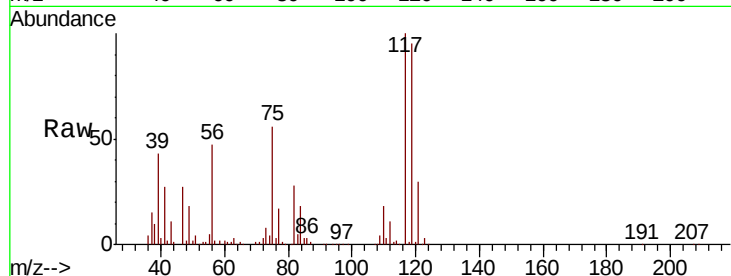
Tot Ion:117 Resp: 1025971

Ion Ratio Lower Upper

117 100

119 95.0 76.9 115.3

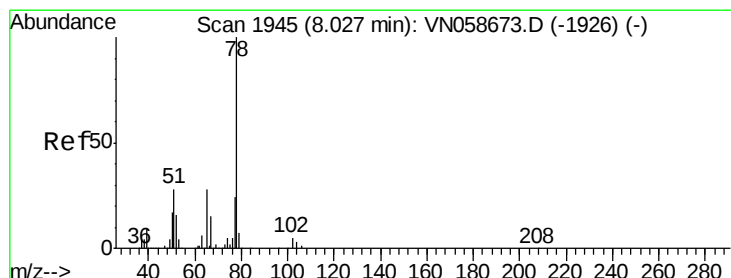
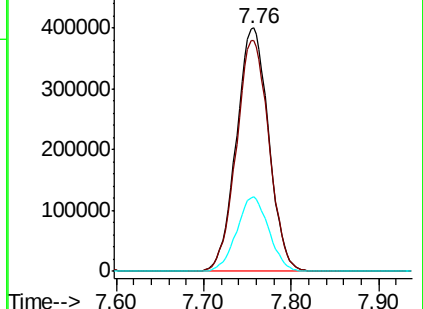
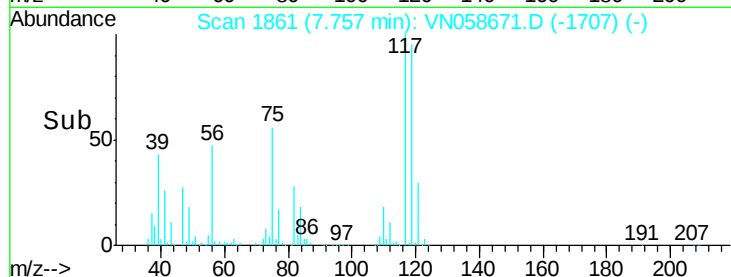
121 30.4 23.8 35.8



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: 139.553 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

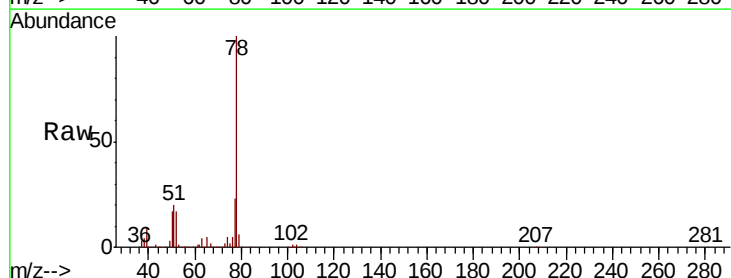
Tgt Ion: 78 Resp: 2967858

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

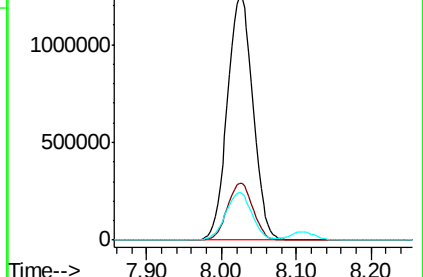
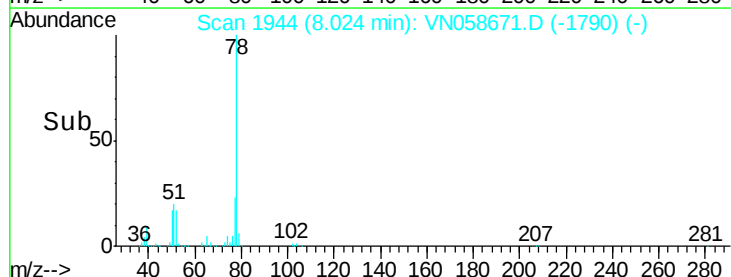
51 19.6 22.1 33.1#

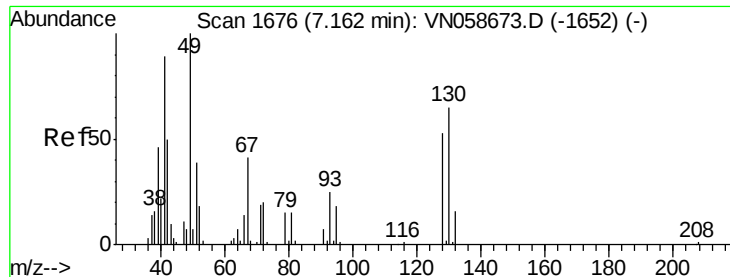


Abundance Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

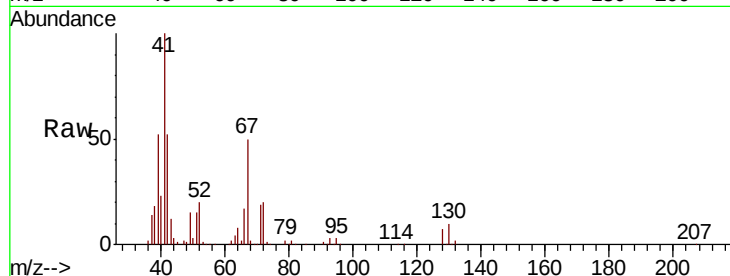




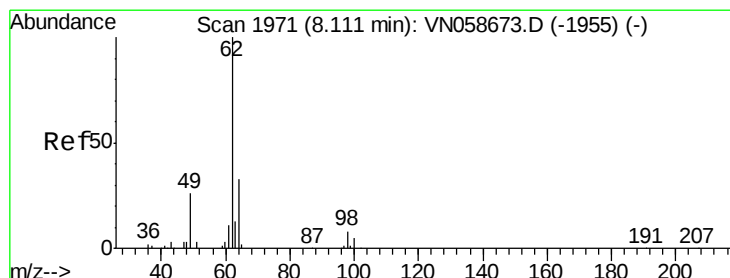
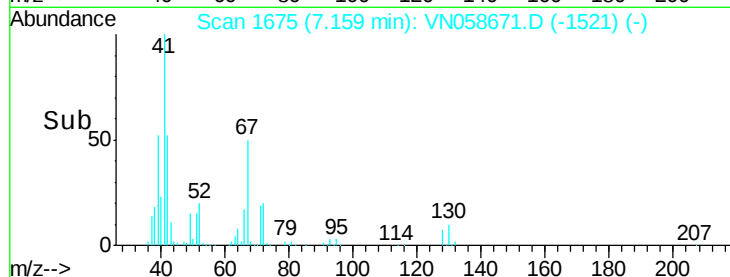
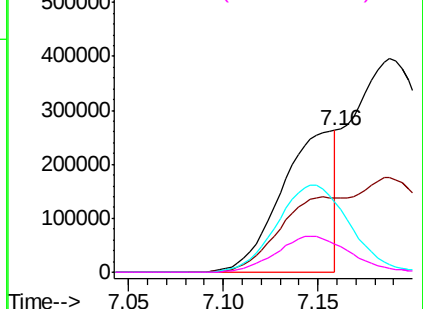
#35
Methacrylonitrile
Concen: 169.314 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	522220
Ion	Ratio	Lower	Upper
41	100		
39	52.3	25.8	77.4
67	49.7	23.0	69.0
52	20.0	10.1	30.1

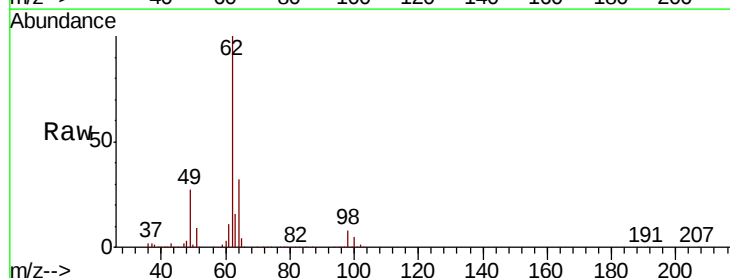


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

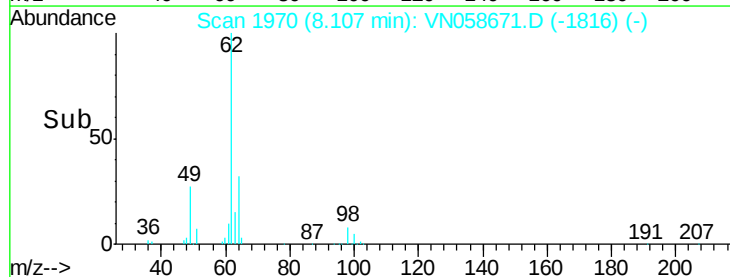
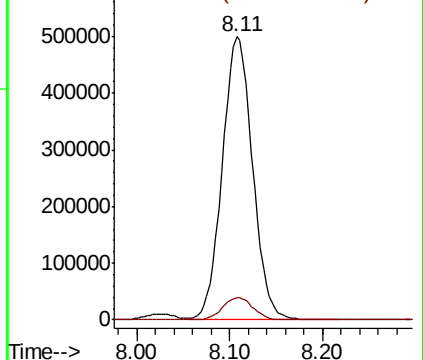


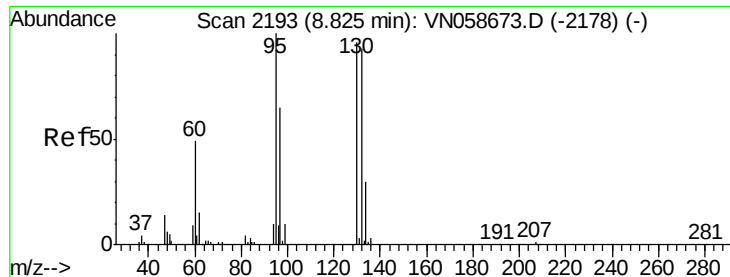
#36
1,2-Dichloroethane
Concen: 135.497 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion:	62	Resp:	1127789
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.4	9.6



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





#37

Trichloroethene

Concen: 138.880 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

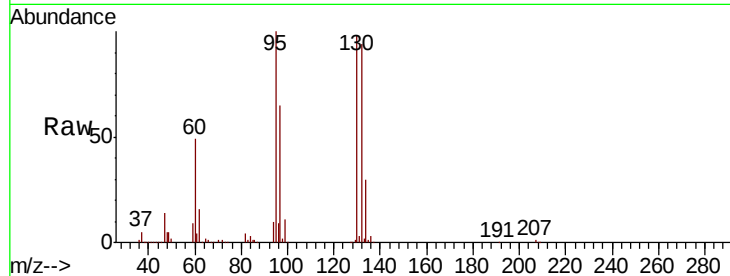
VSTDIC150

Tot Ion:130 Resp: 738123

Ion Ratio Lower Upper

130 100

95 101.9 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

8.82

400000

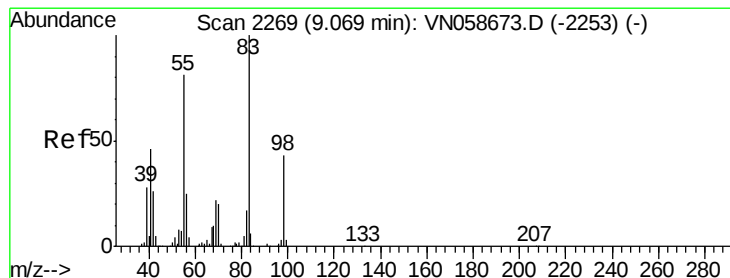
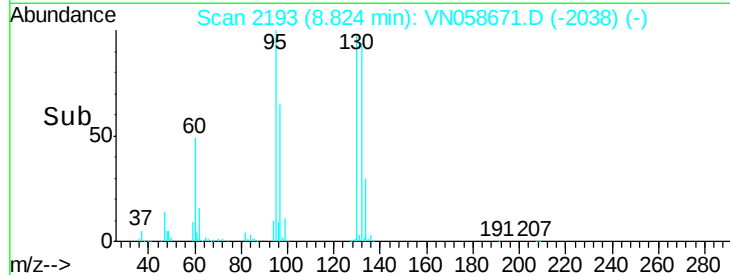
300000

200000

100000

0

Time--> 8.70 8.80 8.90



#38

Methylcyclohexane

Concen: 137.497 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

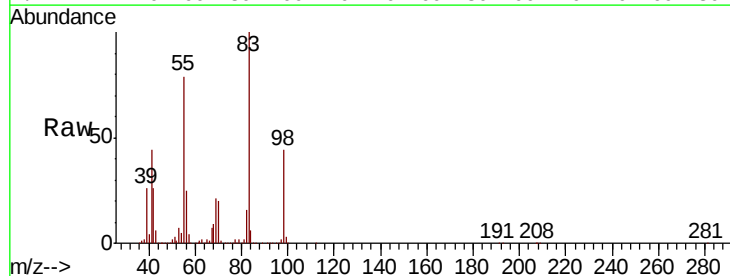
Tgt Ion: 83 Resp: 1231165

Ion Ratio Lower Upper

83 100

55 78.7 40.4 121.1

98 44.2 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

800000

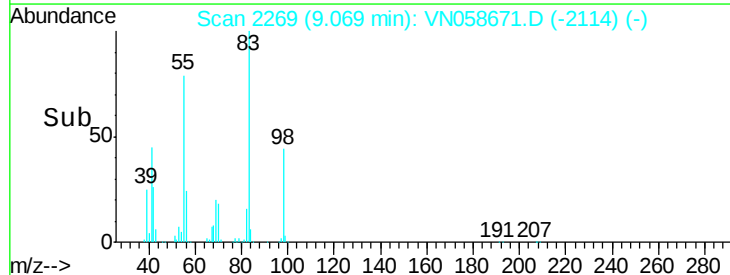
600000

400000

200000

0

Time--> 9.00 9.10

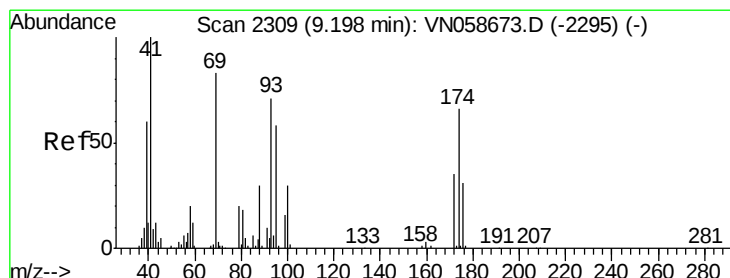
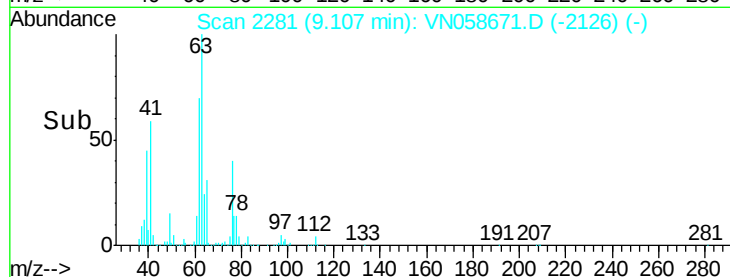
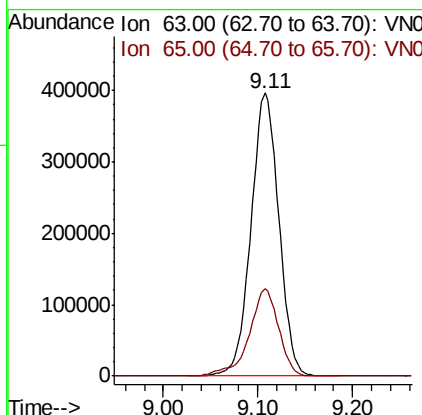
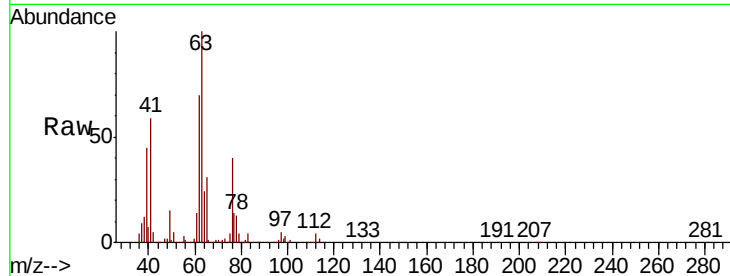




#39
 1,2-Dichloropropane
 Concen: 139.043 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

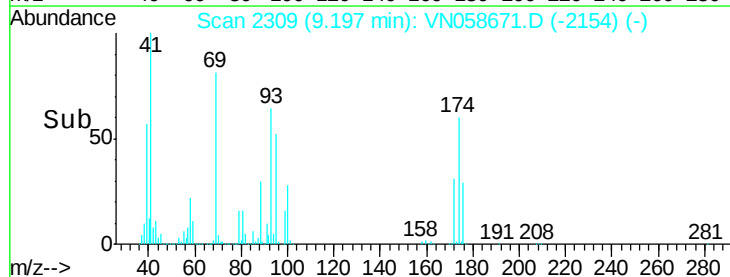
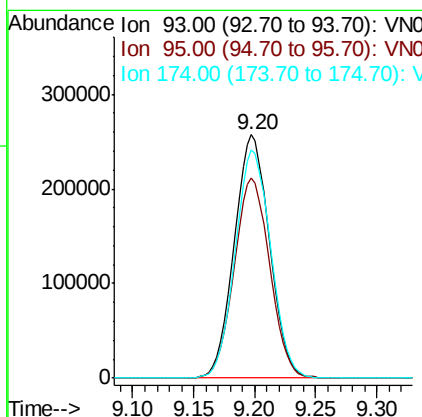
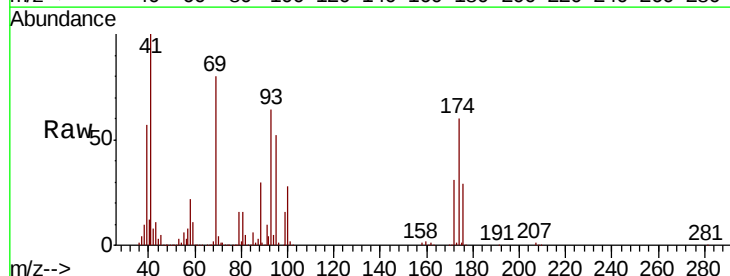
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

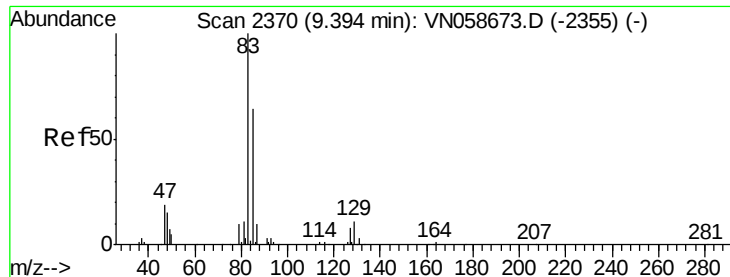
Tot Ion: 63 Resp: 812248
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#40
 Dibromomethane
 Concen: 140.019 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion: 93 Resp: 514675
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 167.6
 174 94.6 0.0 187.2





#41

Bromodichloromethane

Concen: 147.210 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

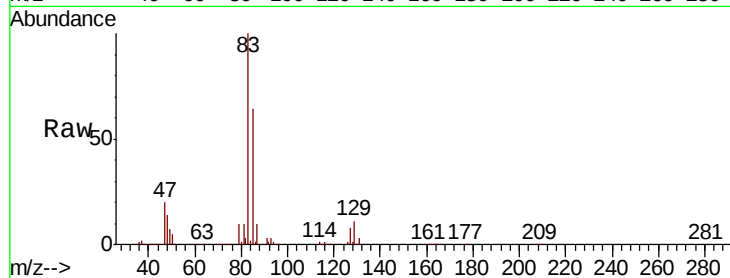
Tot Ion: 83 Resp: 1080702

Ion Ratio Lower Upper

83 100

85 64.2 51.0 76.4

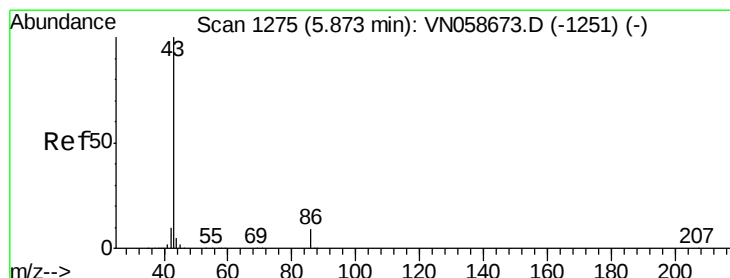
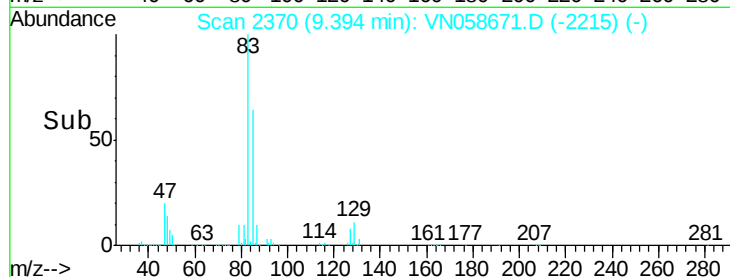
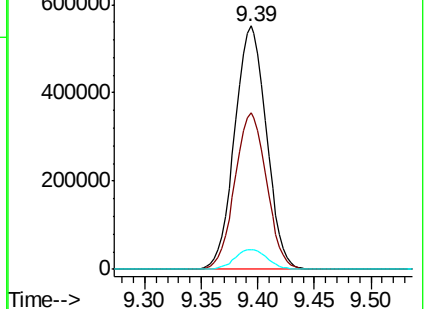
127 8.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 703.219 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058671.D

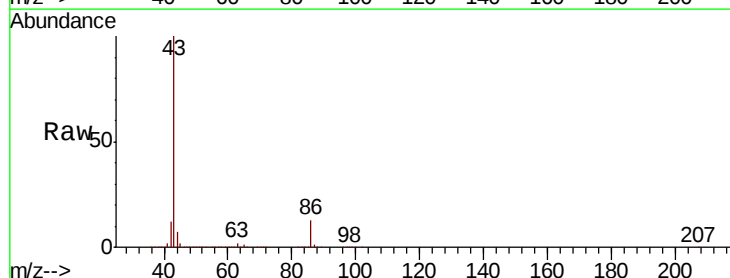
Acq: 10 Oct 2019 17:50

Tgt Ion: 43 Resp: 9276328

Ion Ratio Lower Upper

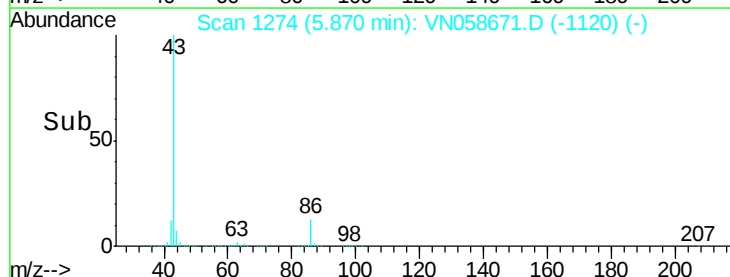
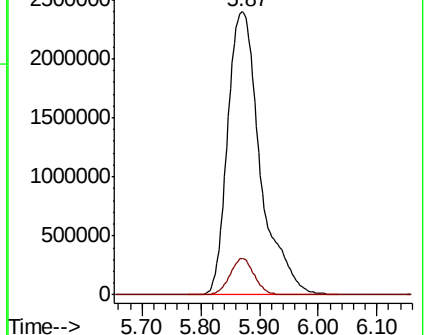
43 100

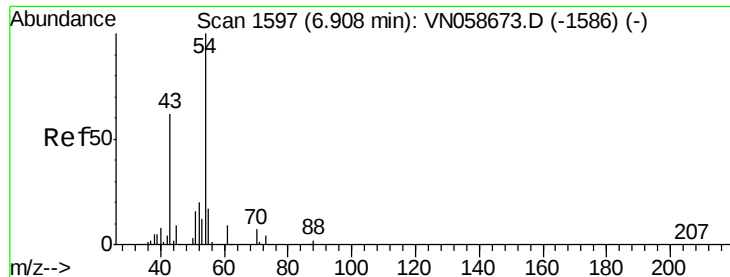
86 9.7 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 160.154 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

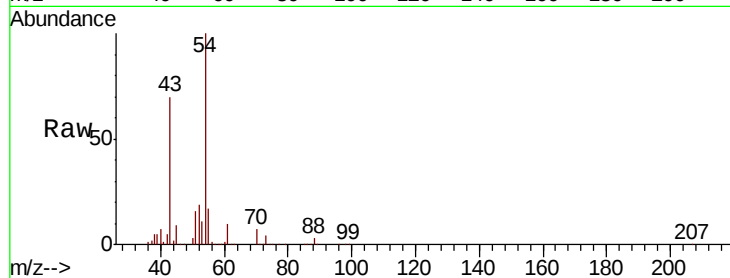
VSTDIC150

Tot Ion: 43 Resp: 1129304

Ion Ratio Lower Upper

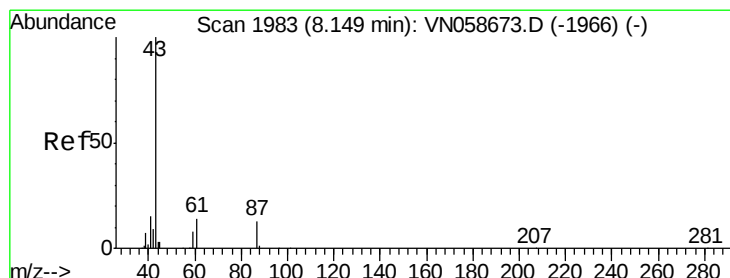
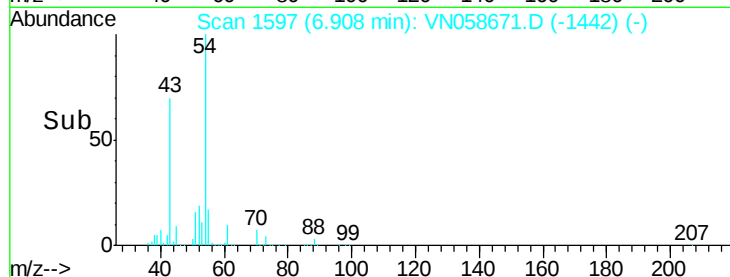
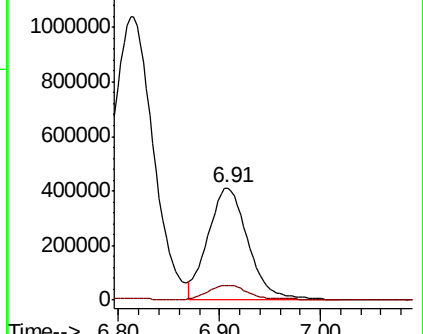
43 100

45 14.4 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: 156.467 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058671.D

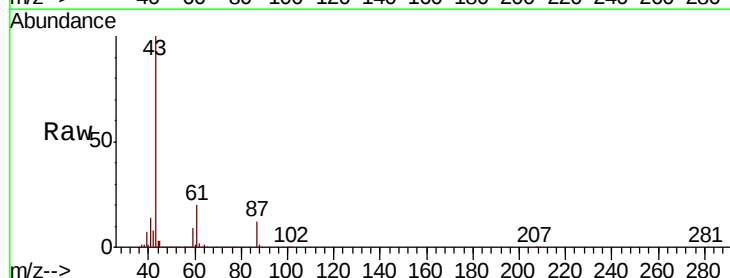
Acq: 10 Oct 2019 17:50

Tgt Ion: 43 Resp: 1920799

Ion Ratio Lower Upper

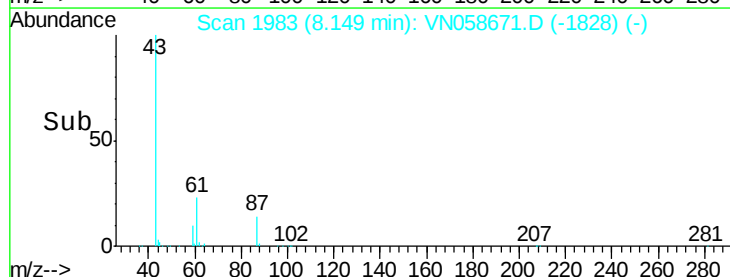
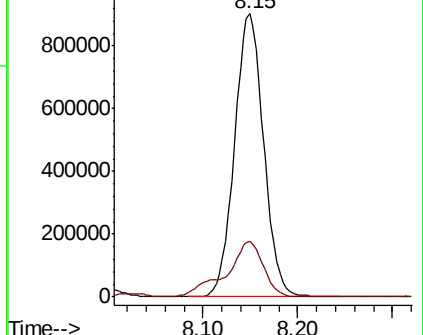
43 100

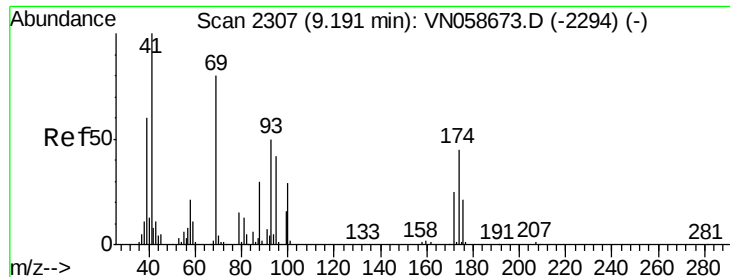
61 25.2 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

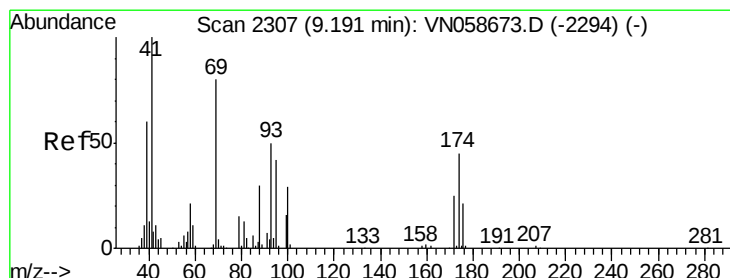
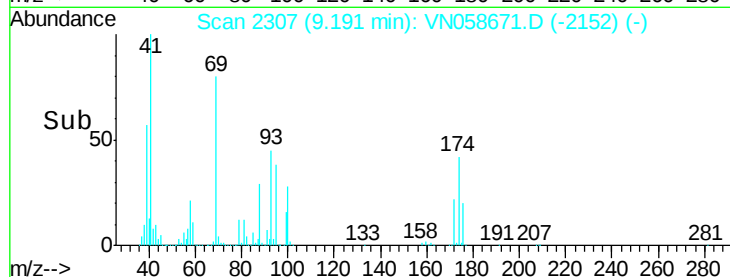
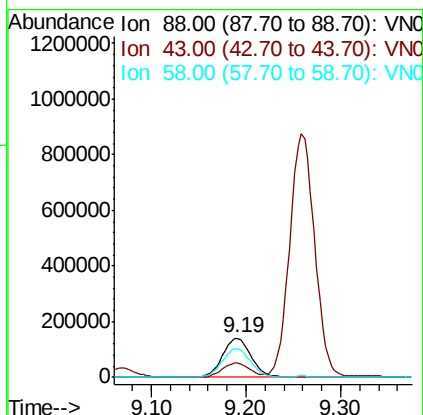
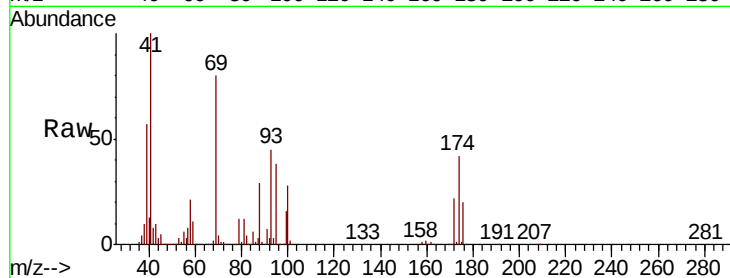




#45
 1,4-Dioxane
 Concen: 2966.741 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

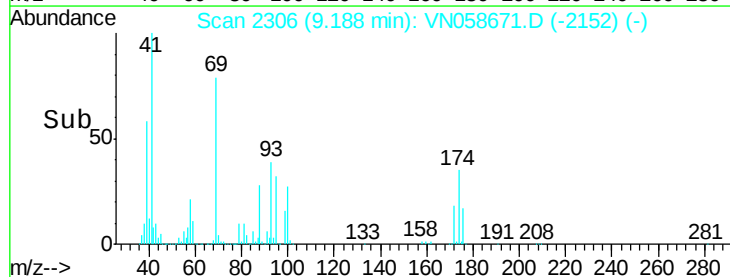
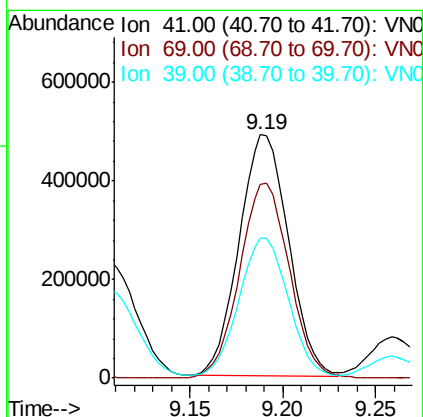
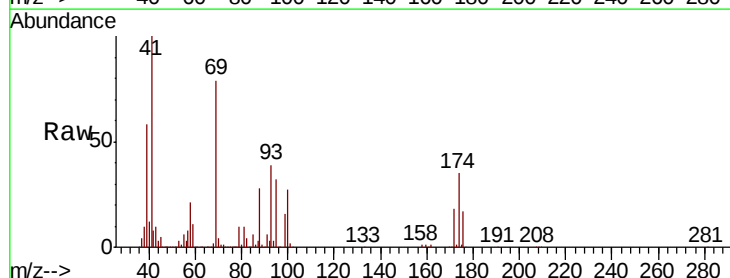
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

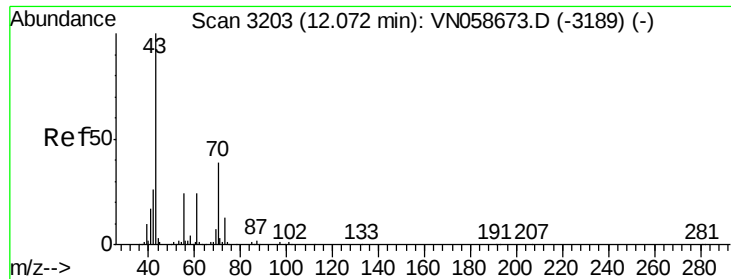
Tot Ion	88	Resp	298564
Ion Ratio	100	Lower	Upper
43	34.6	29.8	44.8
58	72.0	58.2	87.4



#46
 Methyl methacrylate
 Concen: 157.228 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion	41	Resp	909667
Ion Ratio	100	Lower	Upper
69	79.9	40.2	120.5
39	57.2	29.9	89.8

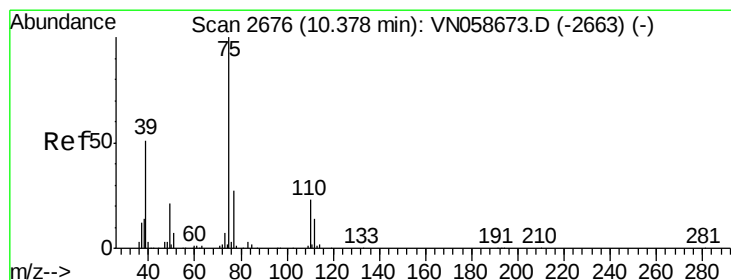
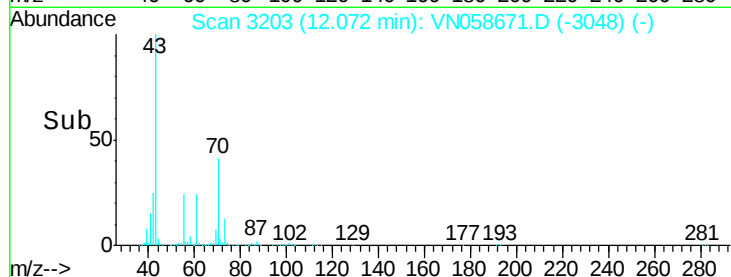
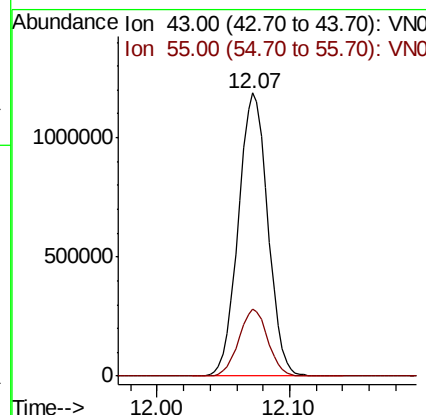
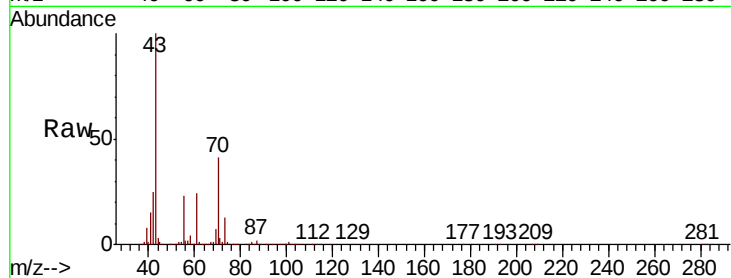




#47
n-amvl Acetate
Concen: 169.890 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

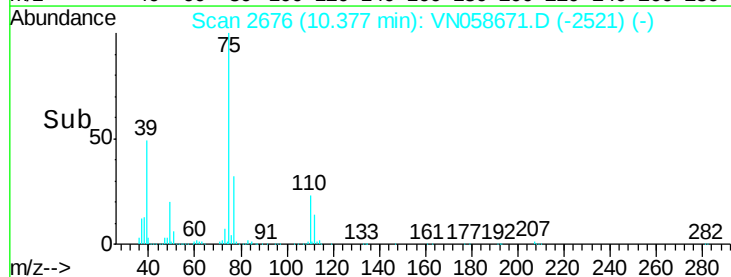
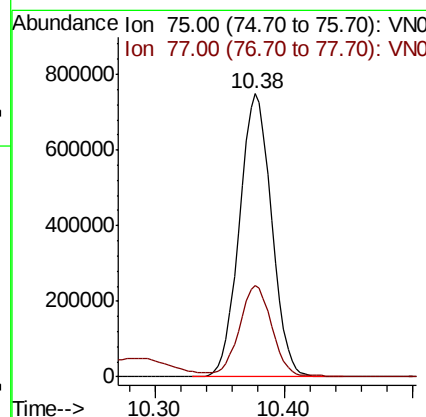
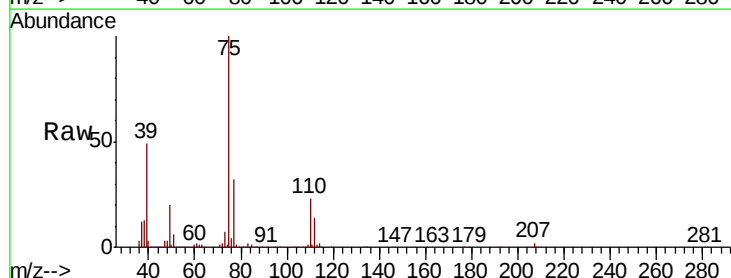
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

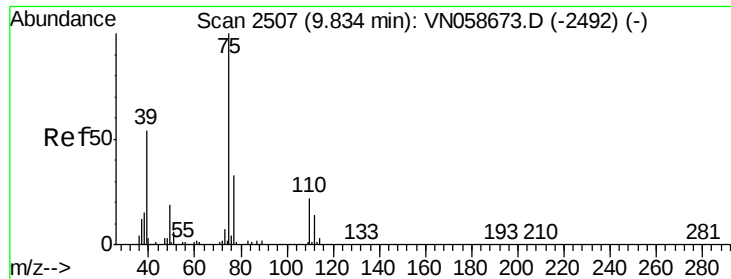
Tot Ion: 43 Resp: 1829011
Ion Ratio Lower Upper
43 100
55 23.4 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 159.041 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 75 Resp: 1294600
Ion Ratio Lower Upper
75 100
77 32.1 27.0 40.4



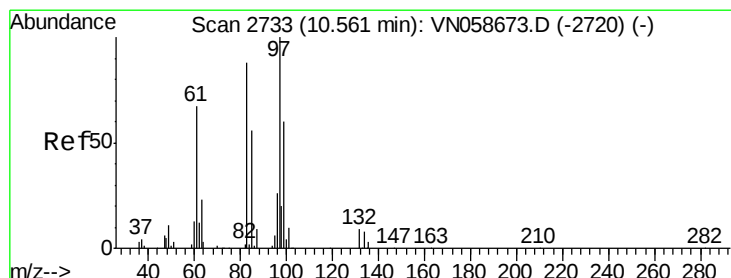
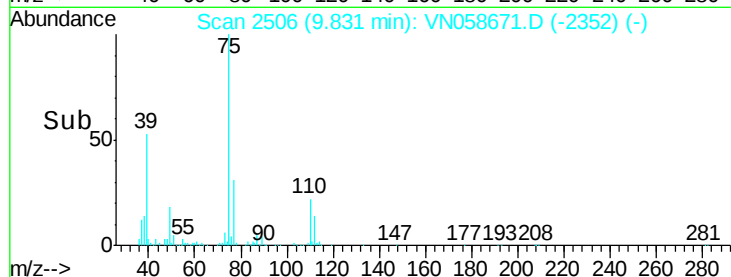
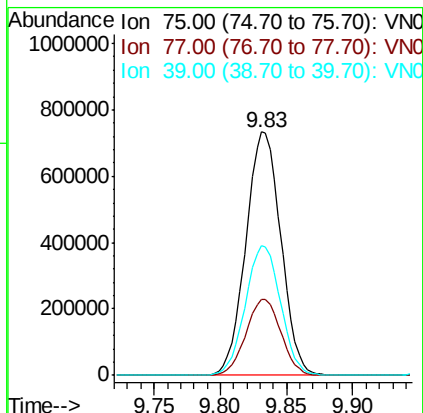
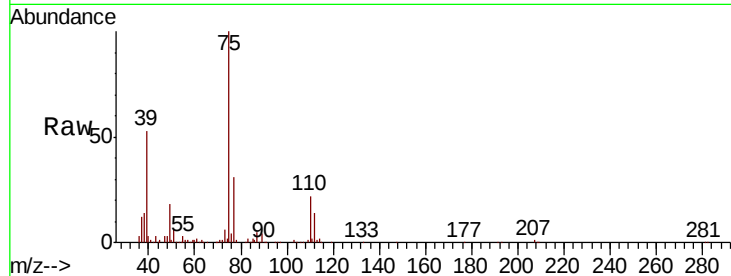


#49

cis-1,3-Dichloropropene
 Concen: 151.468 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

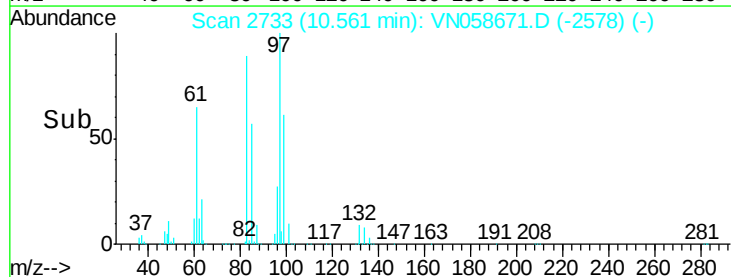
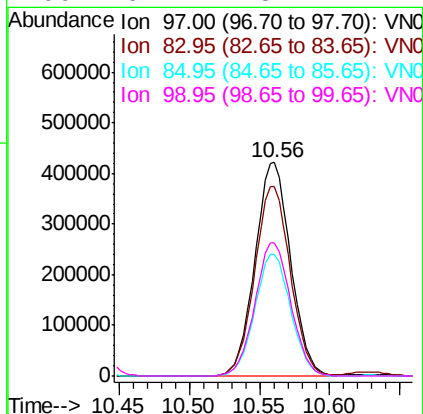
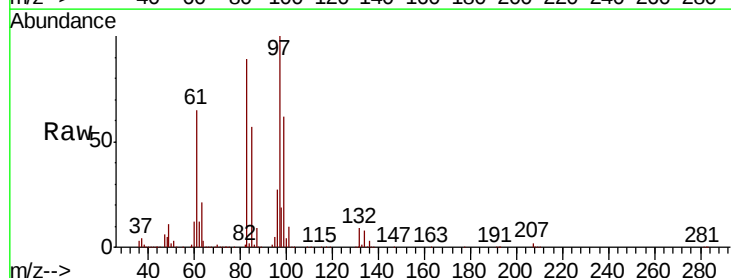
Tot Ion: 75 Resp: 1350339
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.1 39.1
 39 53.1 43.1 64.7

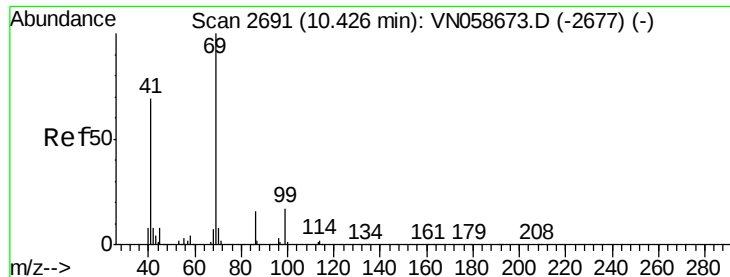


#50

1,1,2-Trichloroethane
 Concen: 144.240 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion: 97 Resp: 743587
 Ion Ratio Lower Upper
 97 100
 83 88.8 70.7 106.1
 85 57.2 45.1 67.7
 99 62.4 48.2 72.4





#51

Ethyl methacrylate

Concen: 159.644 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

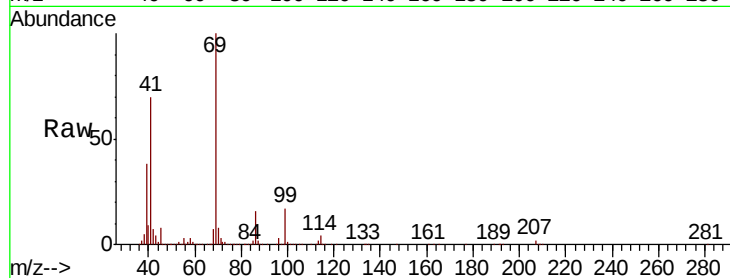
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1305662

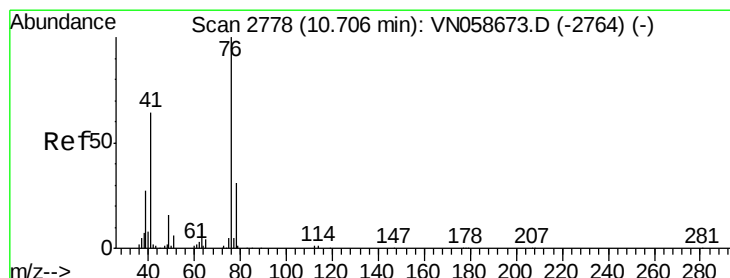
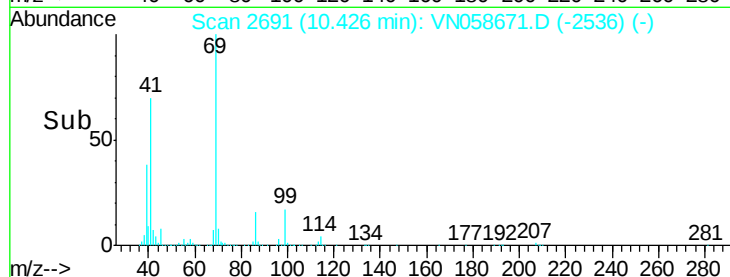
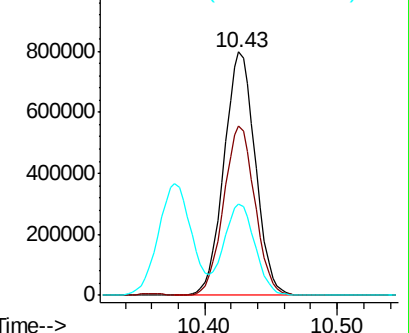
Ion	Ratio	Lower	Upper
69	100		
41	69.7	34.7	104.1
39	37.6	20.3	60.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 145.370 ug/l

RT: 10.71 min Scan# 2778

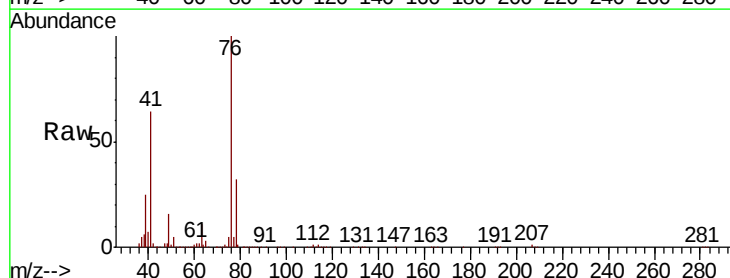
Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

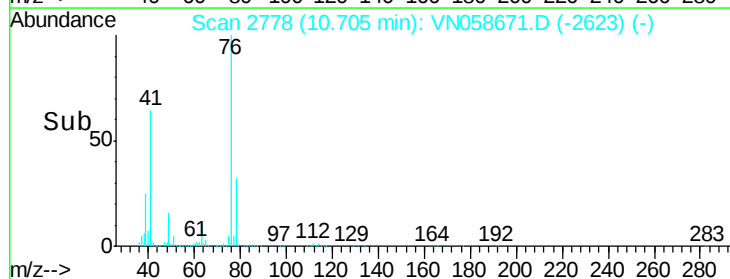
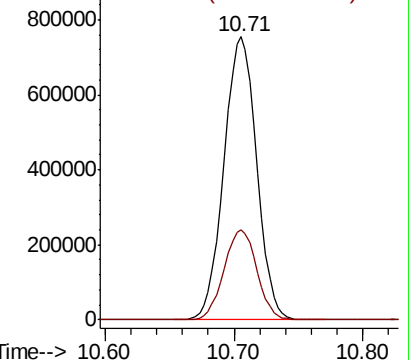
Tgt Ion: 76 Resp: 1329574

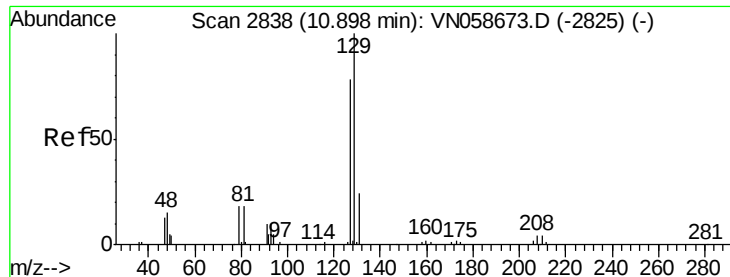
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 159.541 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

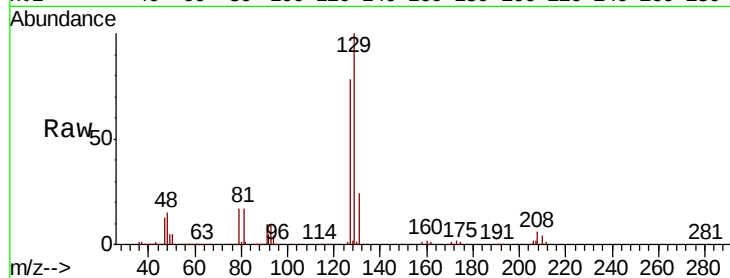
VSTDIC150

Tot Ion:129 Resp: 843190

Ion Ratio Lower Upper

129 100

127 77.7 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

500000

400000

300000

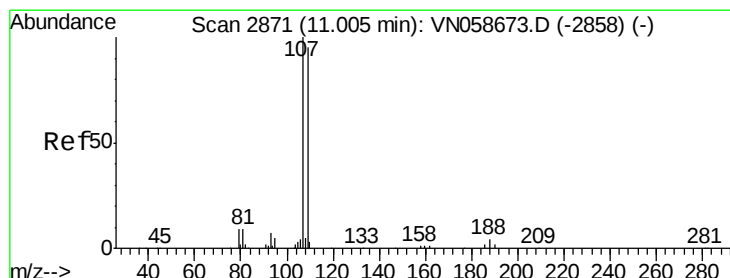
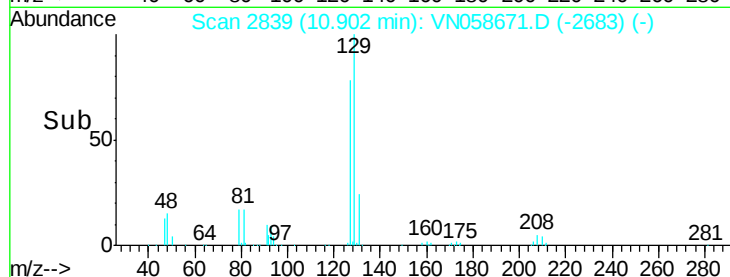
200000

100000

0

Time-->

10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 150.412 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058671.D

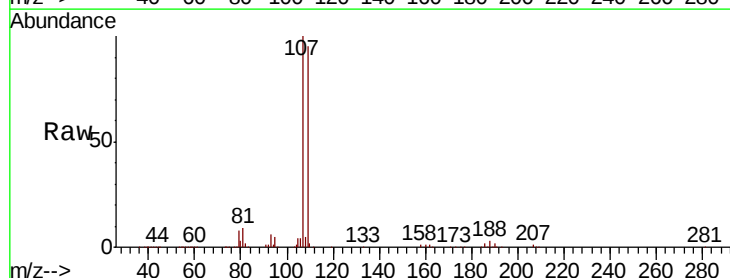
Acq: 10 Oct 2019 17:50

Tgt Ion:107 Resp: 794227

Ion Ratio Lower Upper

107 100

109 94.5 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

500000

400000

300000

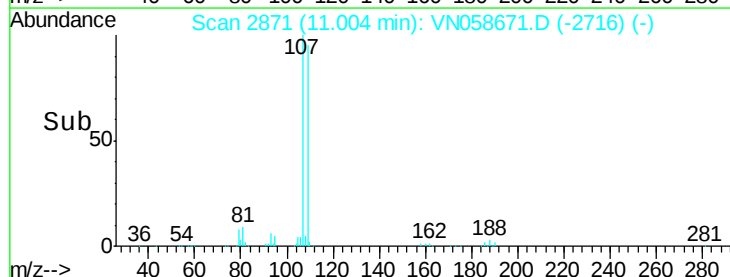
200000

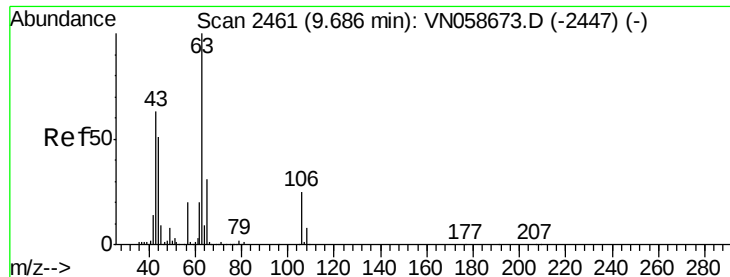
100000

0

Time-->

10.95 11.00 11.05 11.10





#55

2-Chloroethyl vinyl ether

Concen: 895.417 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

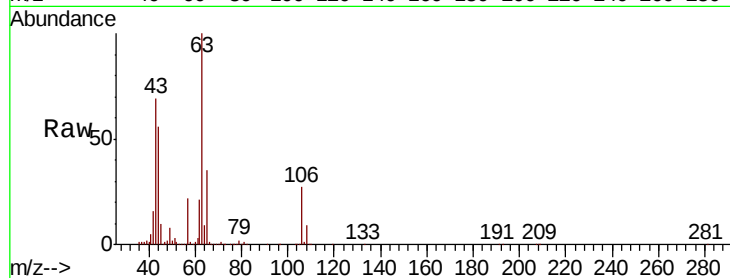
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 3252816

Ion	Ratio	Lower	Upper
63	100		
65	33.7	25.3	37.9
106	26.2	19.8	29.6

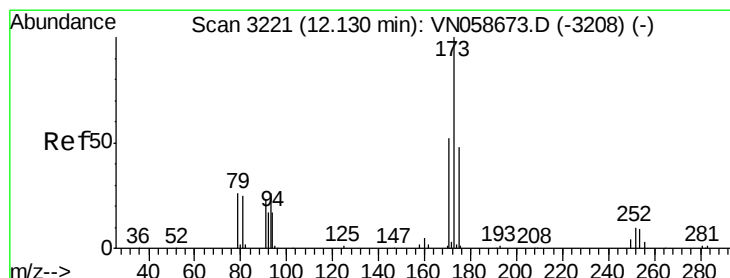
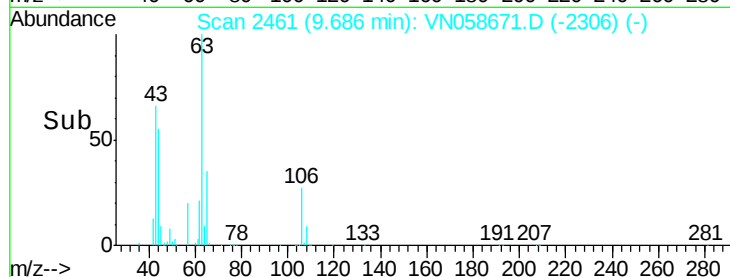
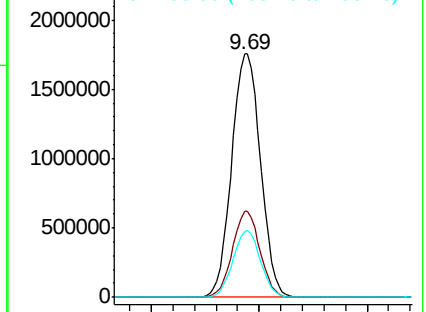


Abundance

Ion 63.00 (62.70 to 63.70): VN058671.D (-2306) (-)

Ion 65.00 (64.70 to 65.70): VN058671.D (-2306) (-)

Ion 106.00 (105.70 to 106.70): VN058671.D (-2306) (-)



#56

Bromoform

Concen: 181.763 ug/l

RT: 12.13 min Scan# 3221

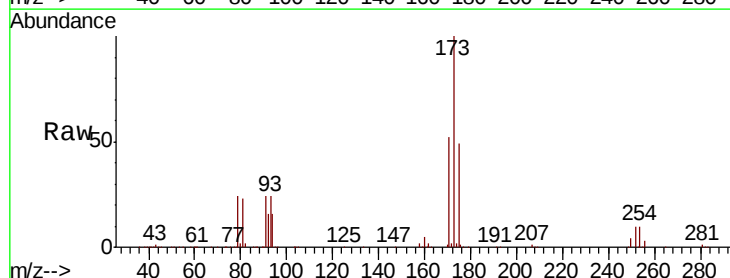
Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Tgt Ion: 173 Resp: 621661

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	9.9	7.4	11.2

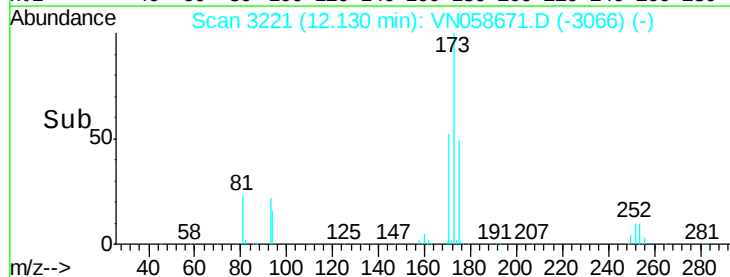
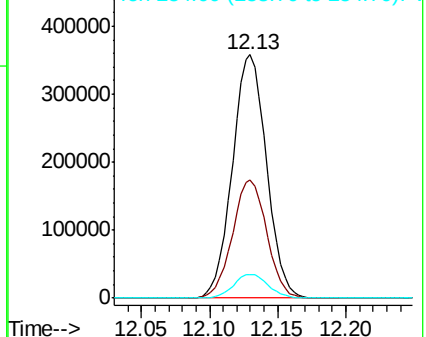


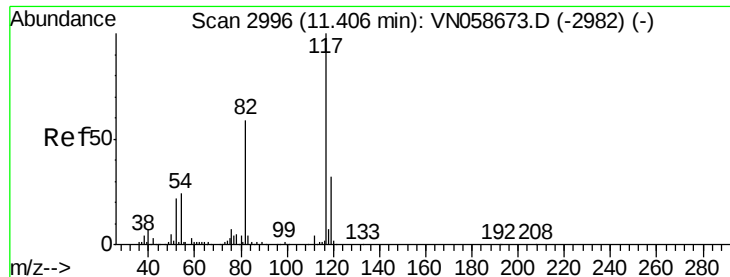
Abundance

Ion 173.00 (172.70 to 173.70): VN058671.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN058671.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN058671.D (-3066) (-)

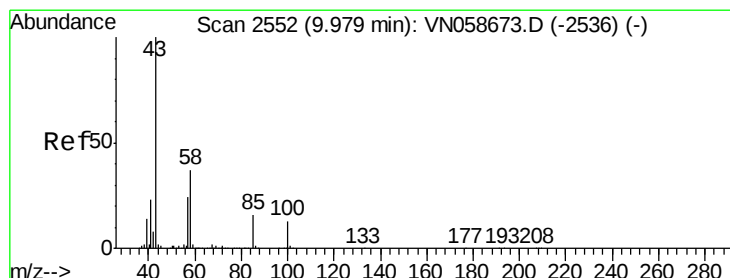
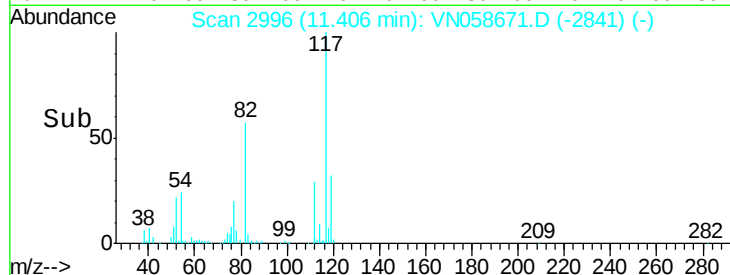
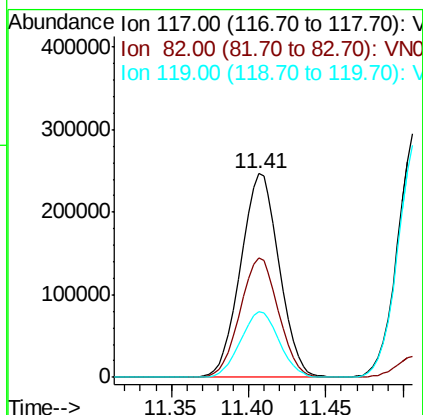
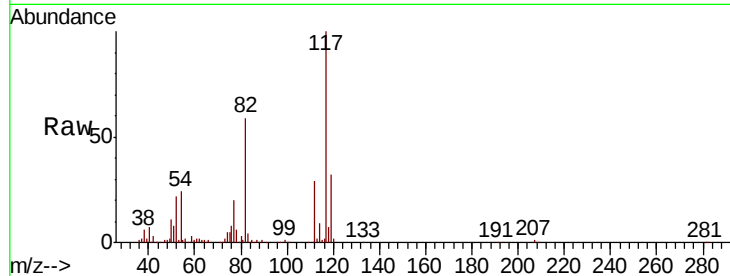




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

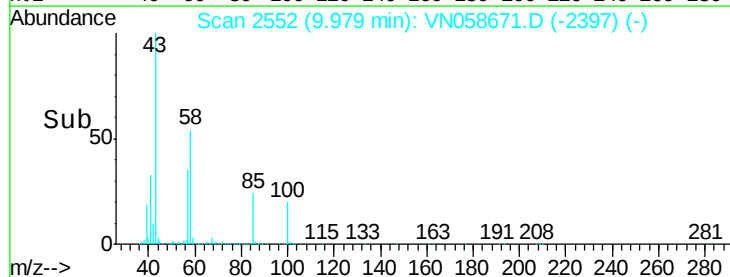
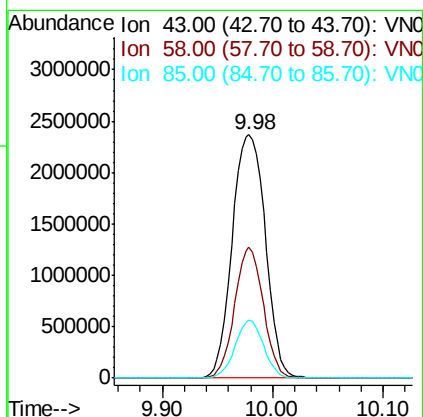
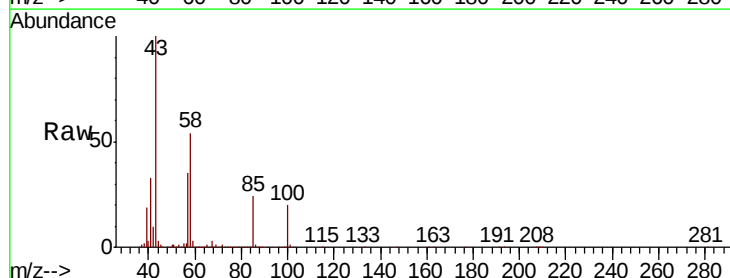
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

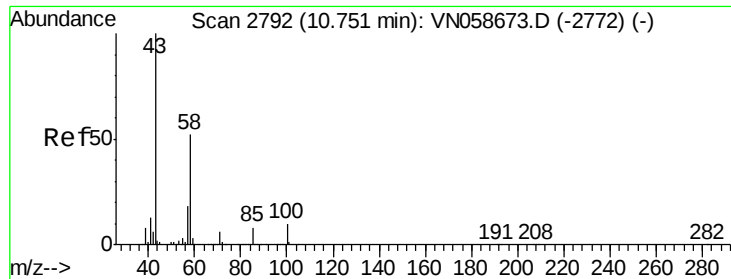
Tot Ion:117 Resp: 427255
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 32.5 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 709.608 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 43 Resp: 4926130
Ion Ratio Lower Upper
43 100
58 46.5 30.1 45.1#
85 20.5 13.2 19.8#

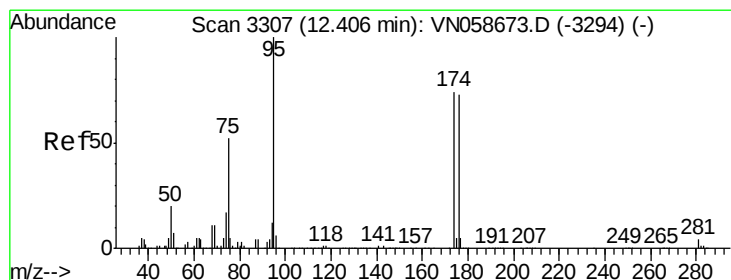
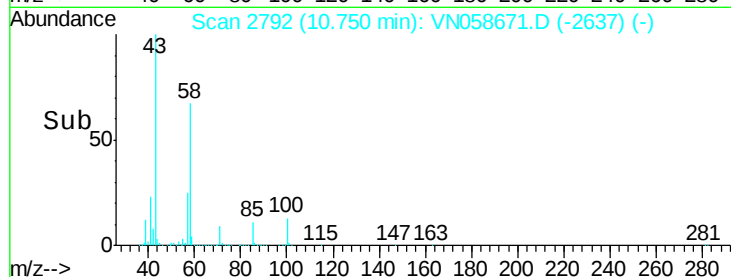
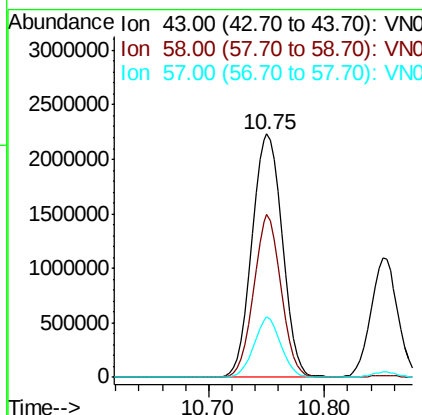
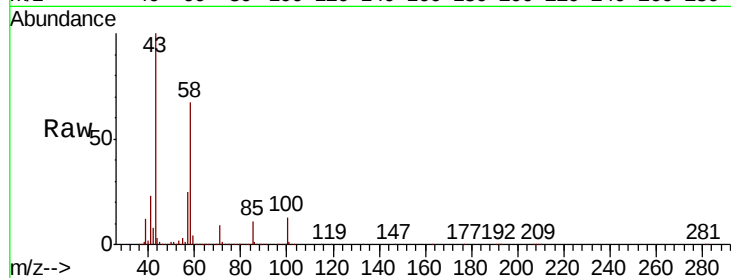




#59
2-Hexanone
Concen: 772.535 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

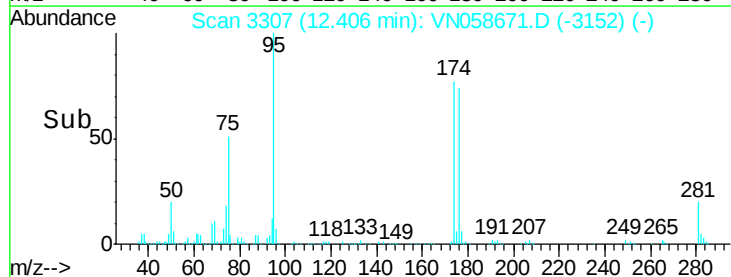
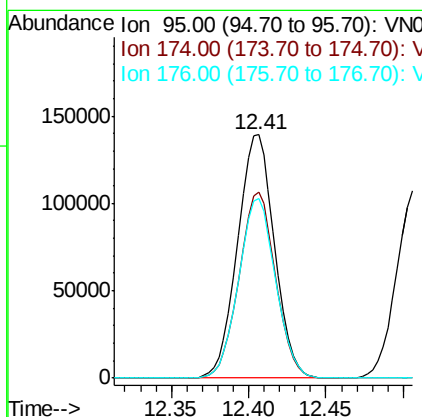
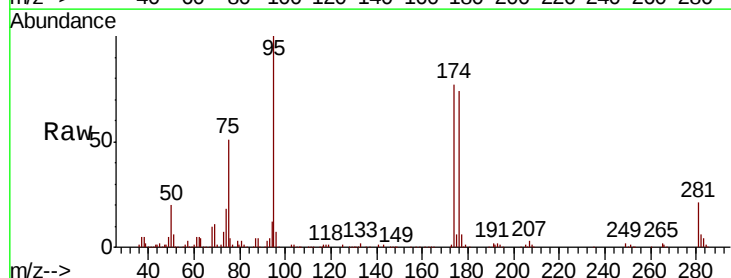
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

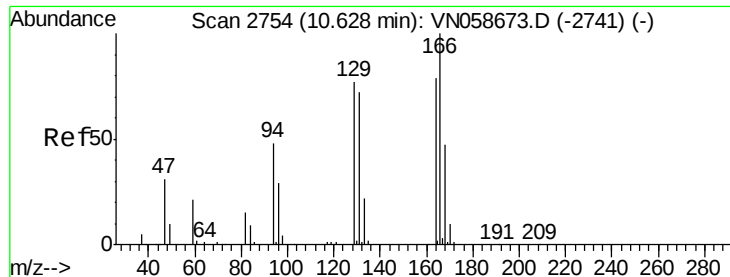
Tot Ion: 43 Resp: 4081967
Ion Ratio Lower Upper
43 100
58 60.5 41.4 62.0
57 21.9 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 31.040 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 95 Resp: 230671
Ion Ratio Lower Upper
95 100
174 75.5 59.9 89.9
176 74.0 58.3 87.5

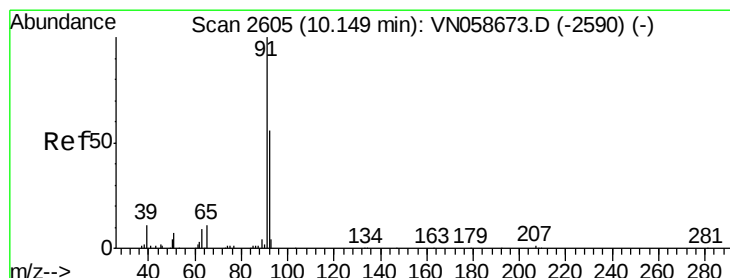
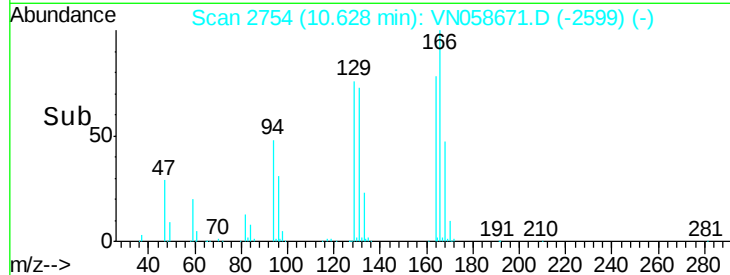
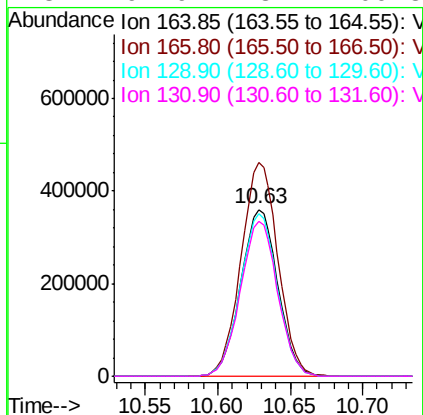
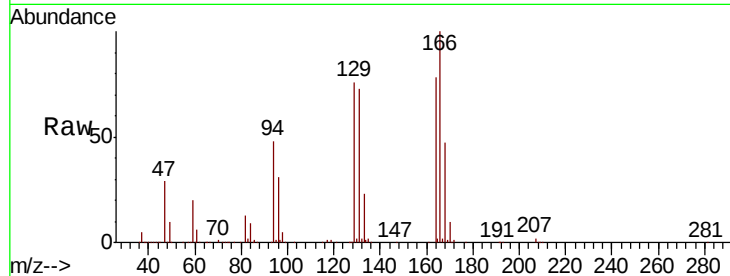




#61
Tetrachloroethene
Concen: 139.693 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

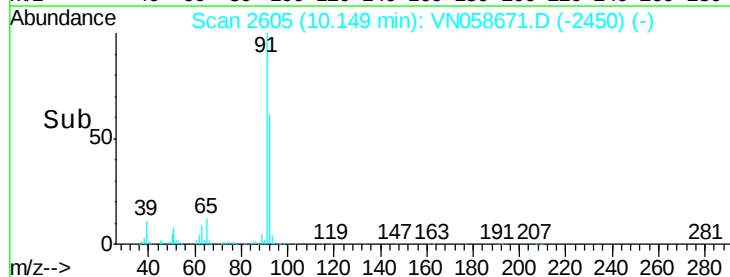
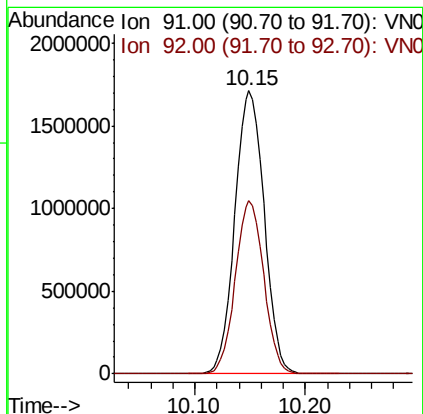
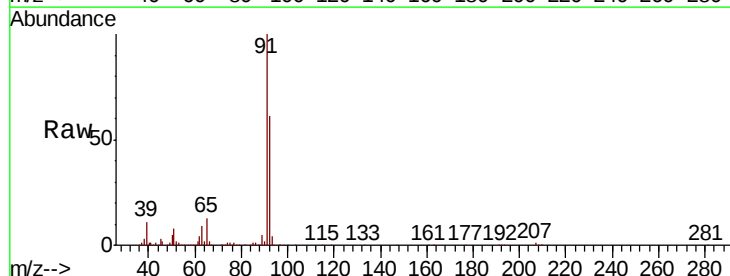
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

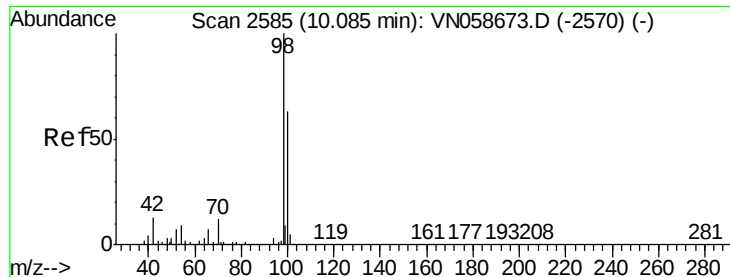
Tot Ion:164 Resp: 639112
Ion Ratio Lower Upper
164 100
166 127.9 101.4 152.2
129 97.4 78.1 117.1
131 92.9 73.2 109.8



#62
Toluene
Concen: 134.319 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 91 Resp: 3154694
Ion Ratio Lower Upper
91 100
92 59.5 45.4 68.2





#63

Toluene-d8

Concen: 29.283 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

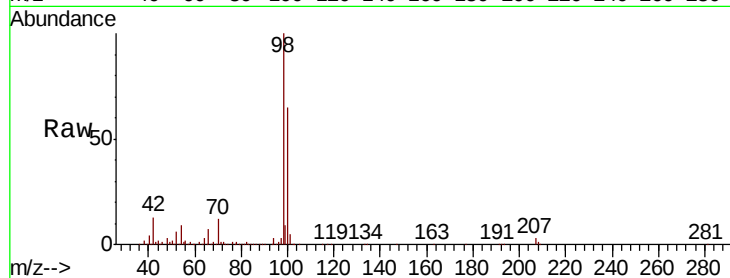
VSTDIC150

Tot Ion: 98 Resp: 597826

Ion Ratio Lower Upper

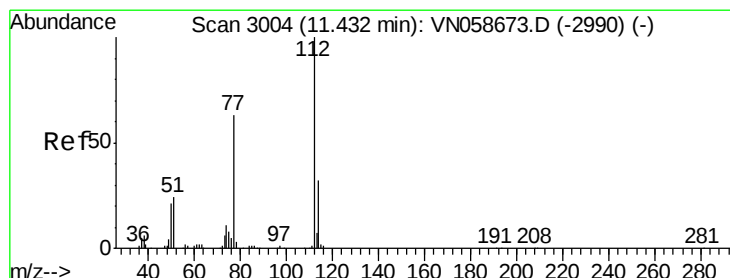
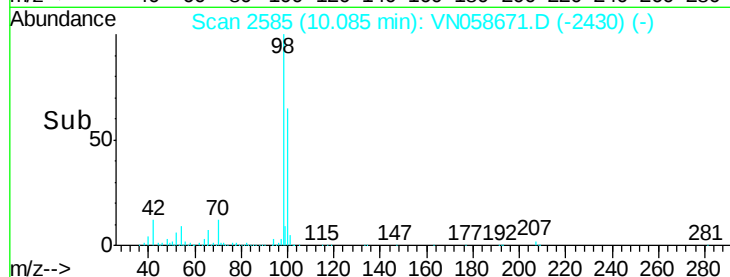
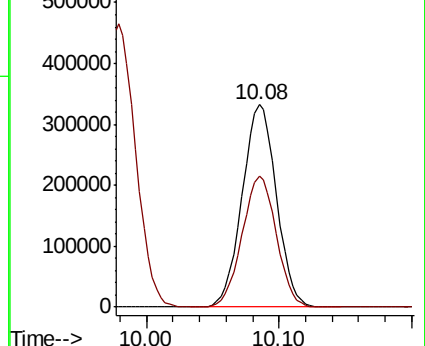
98 100

100 64.3 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN058671.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN058671.D (-2570) (-)



#64

Chlorobenzene

Concen: 138.751 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058671.D

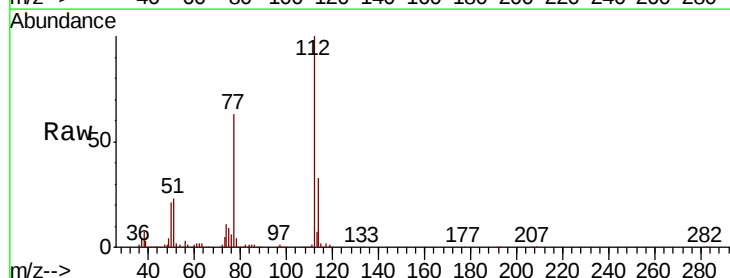
Acq: 10 Oct 2019 17:50

Tgt Ion: 112 Resp: 2003459

Ion Ratio Lower Upper

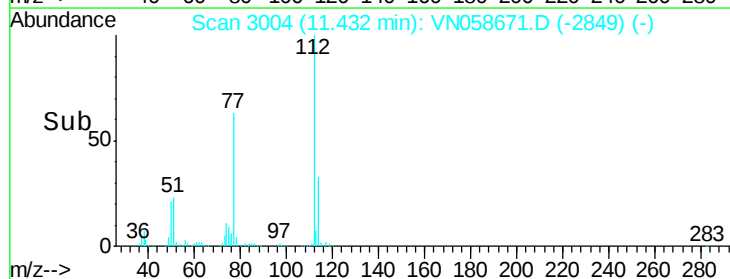
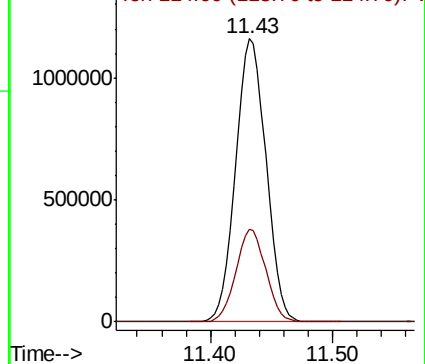
112 100

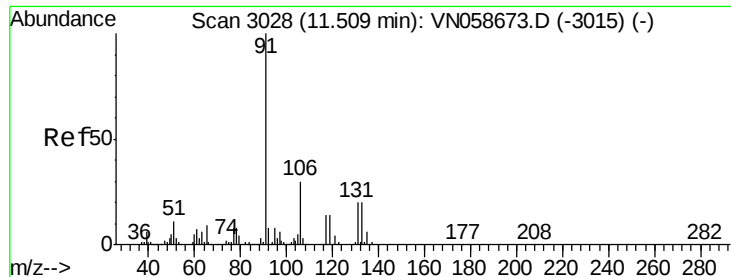
114 32.8 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058671.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN058671.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 147.516 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

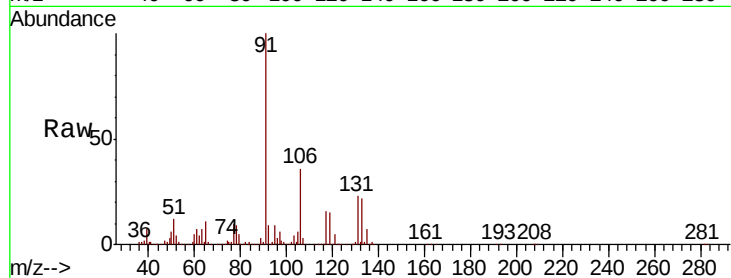
Tot Ion:131 Resp: 762003

Ion Ratio Lower Upper

131 100

133 95.2 0.0 194.0

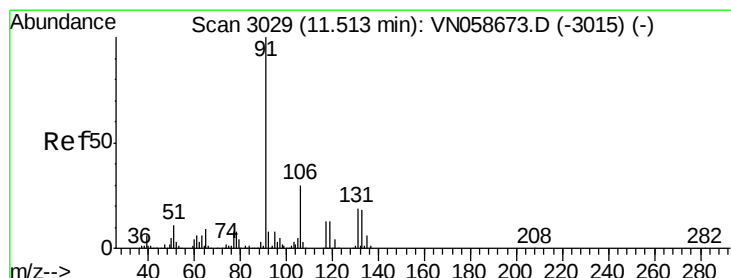
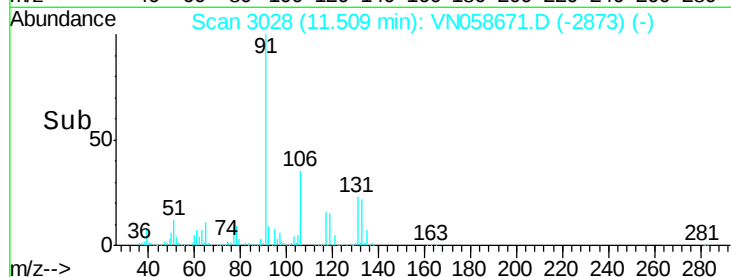
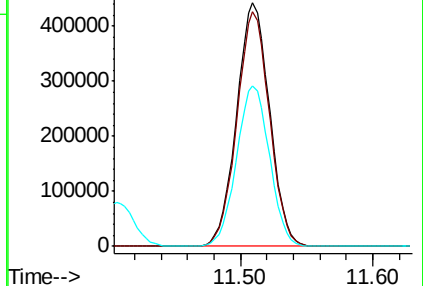
119 66.0 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 135.481 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058671.D

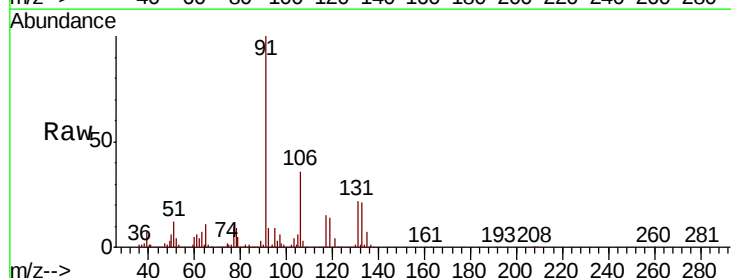
Acq: 10 Oct 2019 17:50

Tgt Ion: 91 Resp: 3461591

Ion Ratio Lower Upper

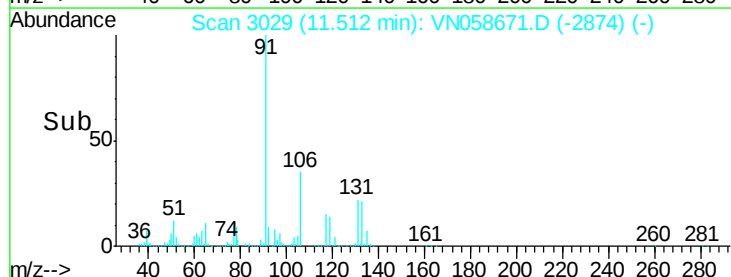
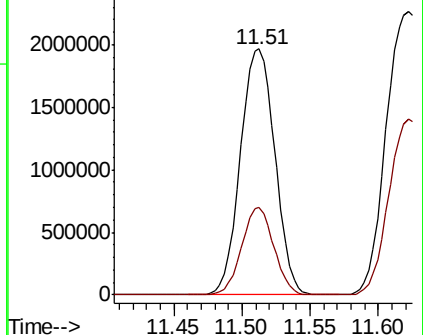
91 100

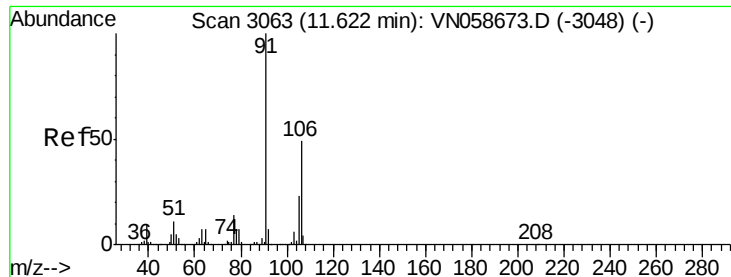
106 35.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

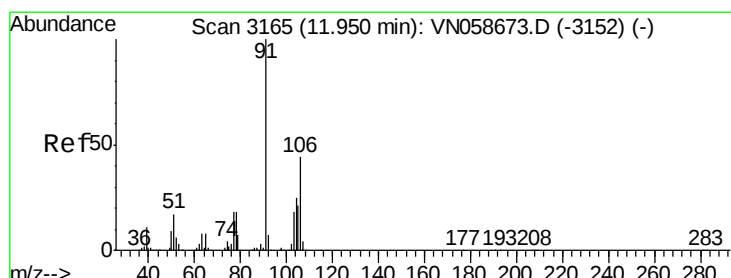
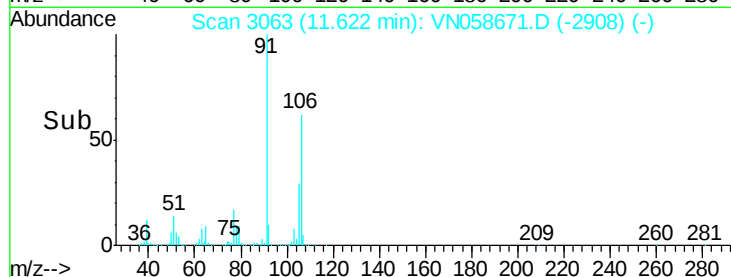
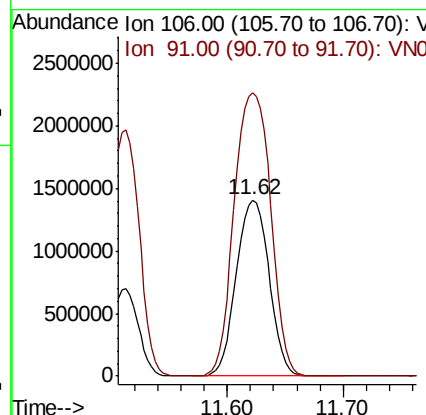
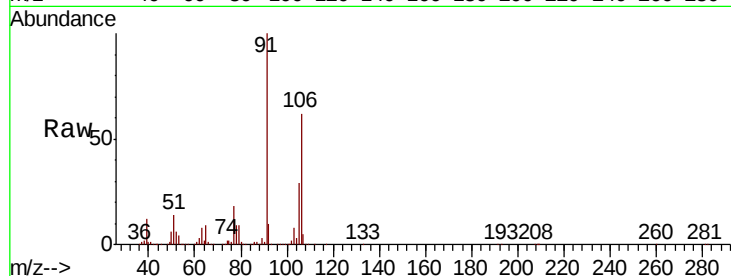




#67
m/p-Xylenes
Concen: 281.975 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

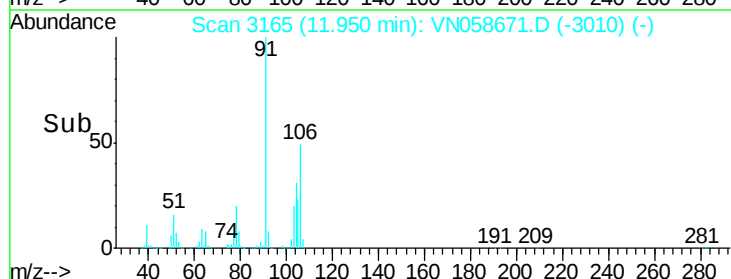
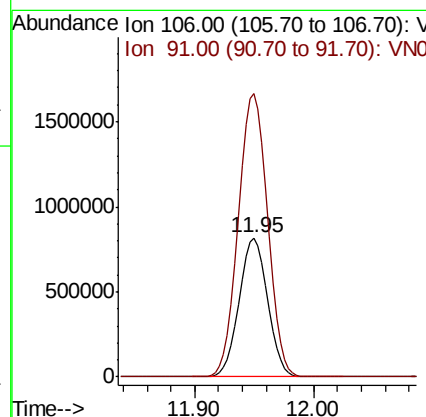
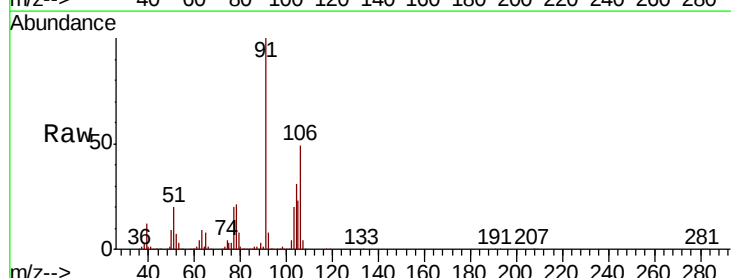
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

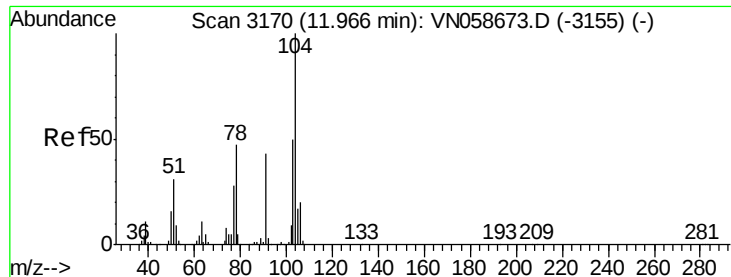
Tot Ion:106 Resp: 2770171
Ion Ratio Lower Upper
106 100
91 179.2 165.6 248.4



#68
o-Xylene
Concen: 141.705 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion:106 Resp: 1352089
Ion Ratio Lower Upper
106 100
91 210.4 109.8 329.4

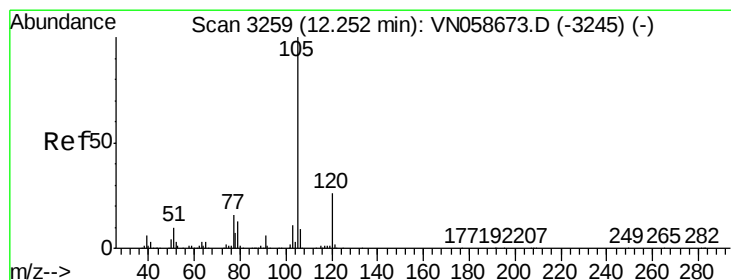
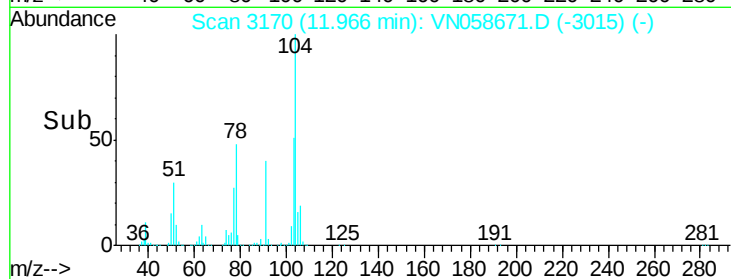
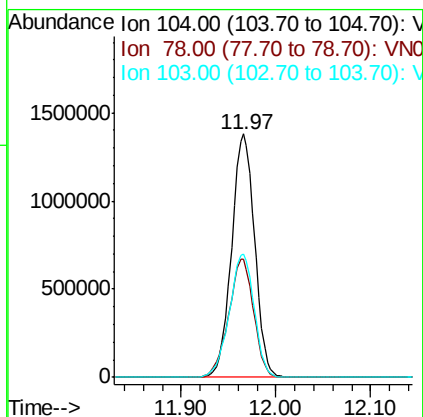
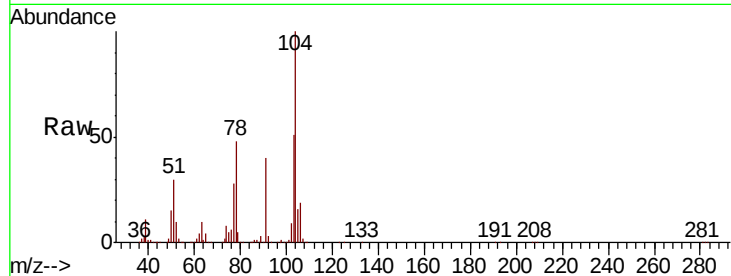




#69
Stvrene
Concen: 146.706 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

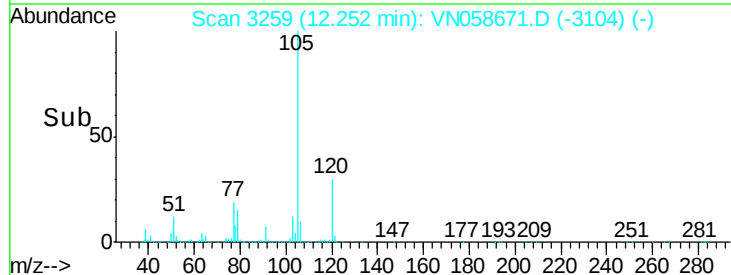
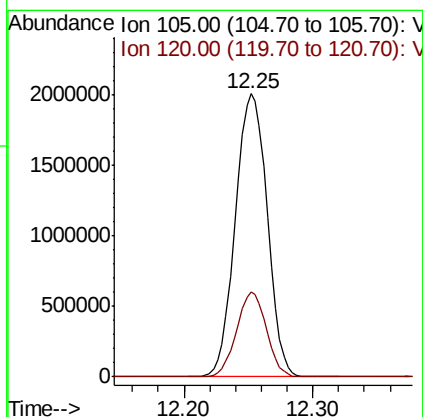
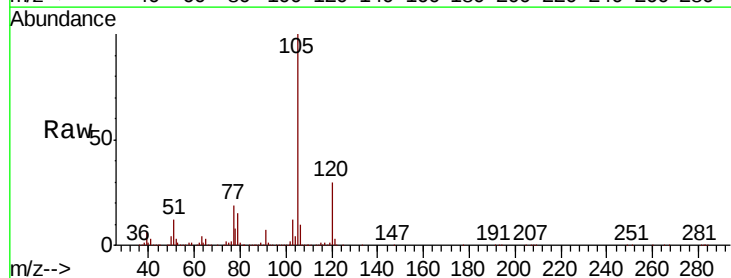
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

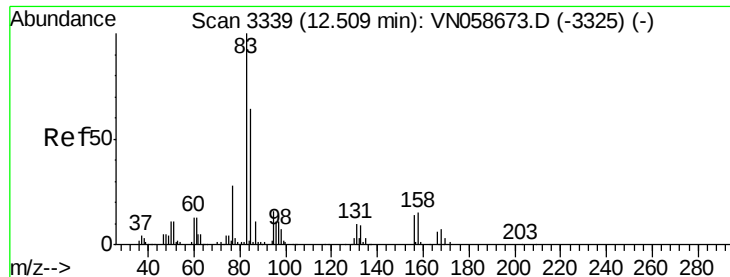
Tot Ion:104 Resp: 2332136
Ion Ratio Lower Upper
104 100
78 52.6 42.4 63.6
103 54.7 44.6 66.8



#70
Isopropylbenzene
Concen: 138.968 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion:105 Resp: 3440841
Ion Ratio Lower Upper
105 100
120 28.1 18.4 34.2

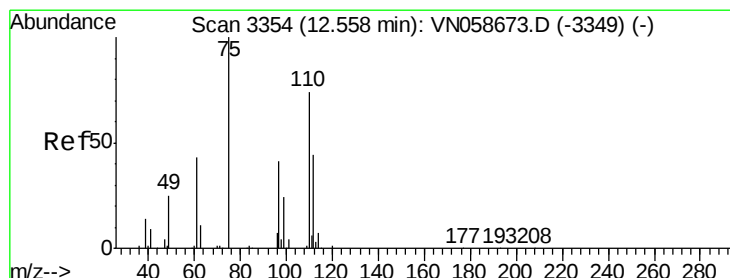
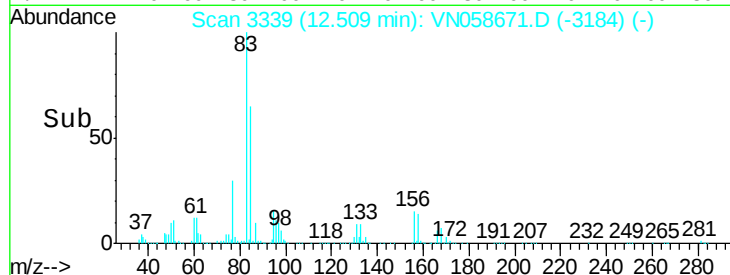
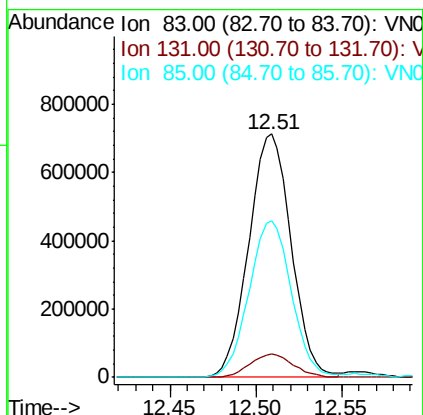
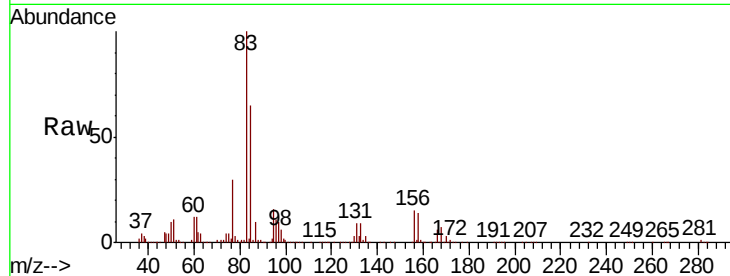




#71
 1,1,2,2-Tetrachloroethane
 Concen: 150.979 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

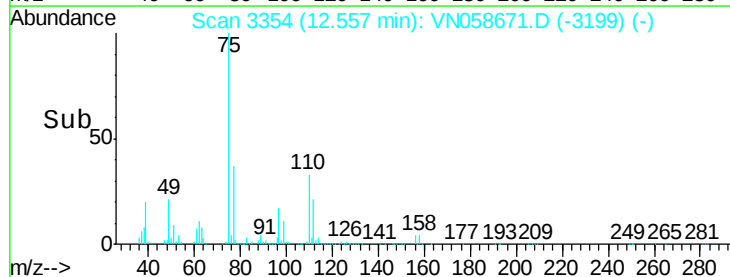
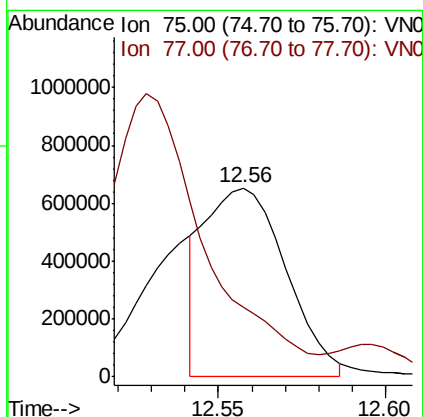
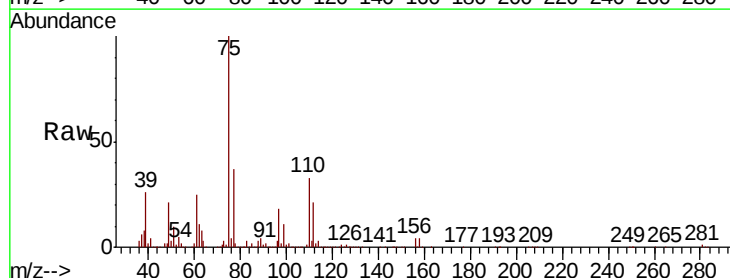
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

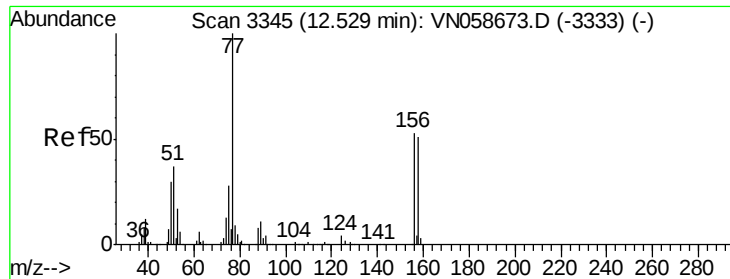
Tot Ion: 83 Resp: 1215278
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.7
 85 64.4 31.6 94.7



#72
 1,2,3-Trichloropropane
 Concen: 158.046 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion: 75 Resp: 1101875
 Ion Ratio Lower Upper
 75 100
 77 183.9 0.0 359.4

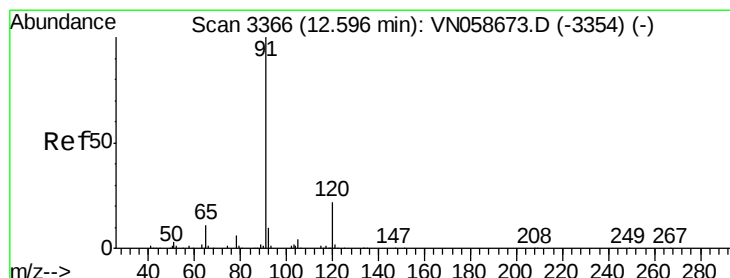
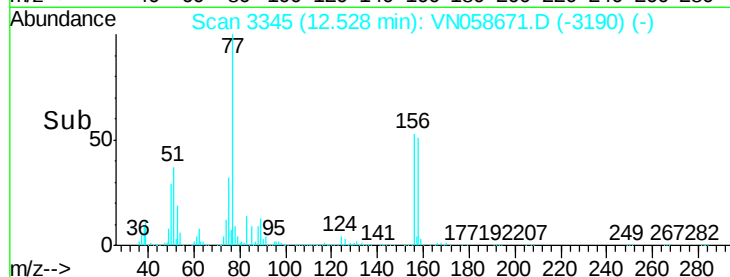
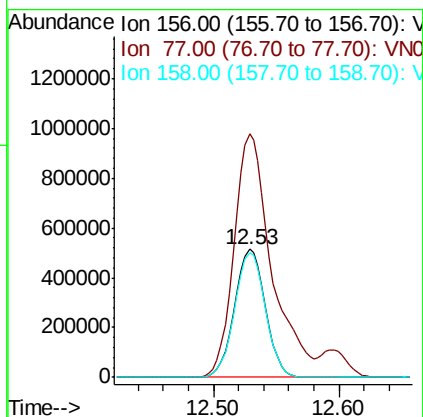
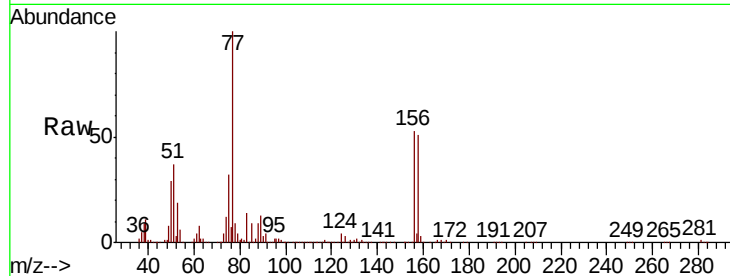




#73
Bromobenzene
Concen: 144.907 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

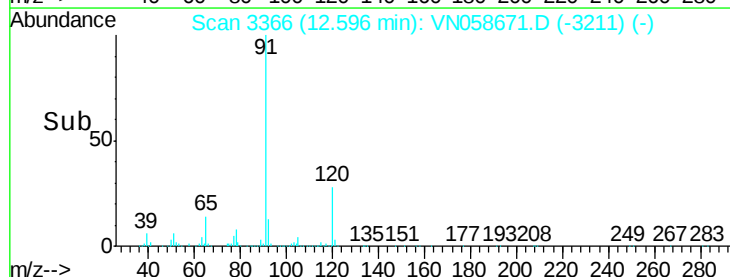
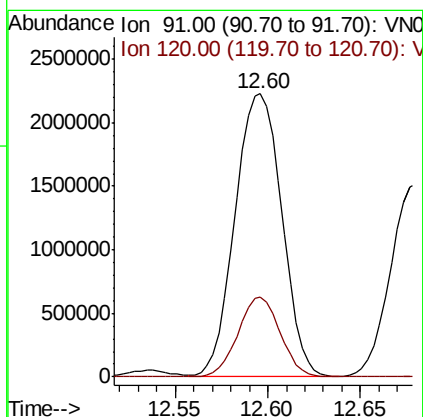
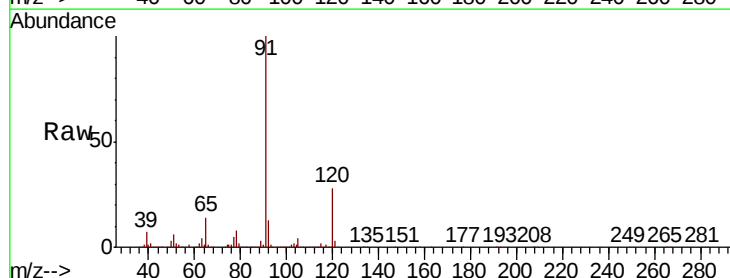
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

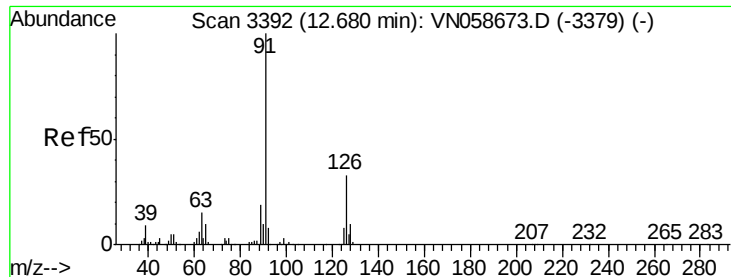
Tot Ion:156 Resp: 875849
Ion Ratio Lower Upper
156 100
77 231.3 0.0 456.0
158 97.4 0.0 195.4



#74
n-propylbenzene
Concen: 136.384 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 91 Resp: 3904709
Ion Ratio Lower Upper
91 100
120 25.4 0.0 43.6





#75

2-Chlorotoluene

Concen: 141.904 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

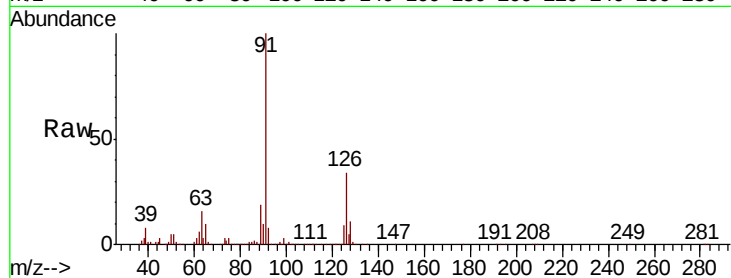
VSTDIC150

Tot Ion: 91 Resp: 2538213

Ion Ratio Lower Upper

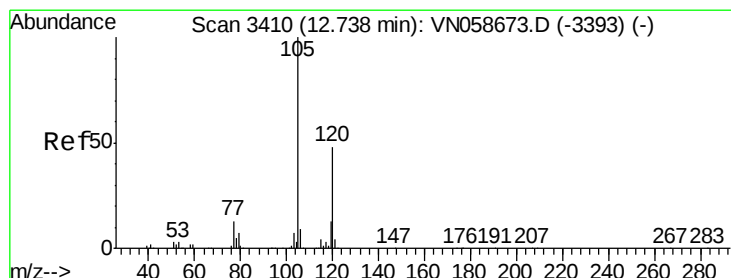
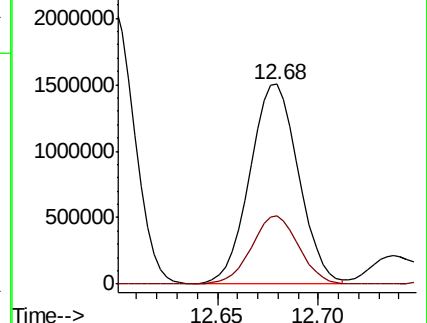
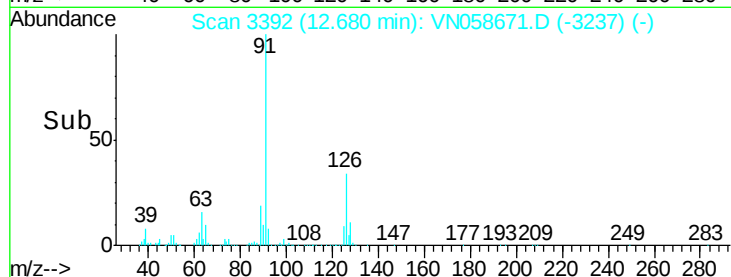
91 100

126 33.2 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN058671.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058671.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 142.300 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058671.D

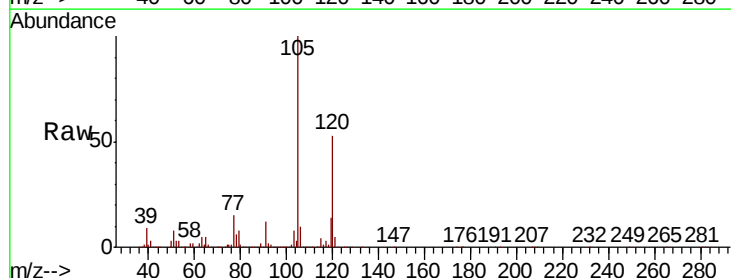
Acq: 10 Oct 2019 17:50

Tgt Ion: 105 Resp: 3036187

Ion Ratio Lower Upper

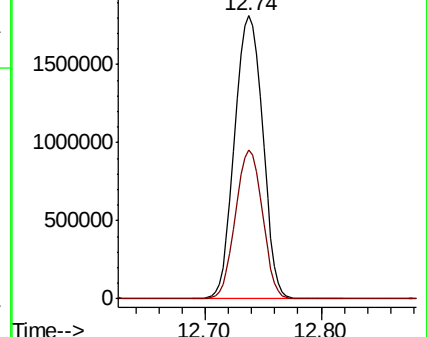
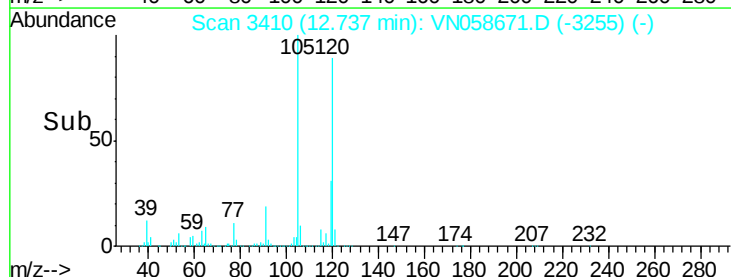
105 100

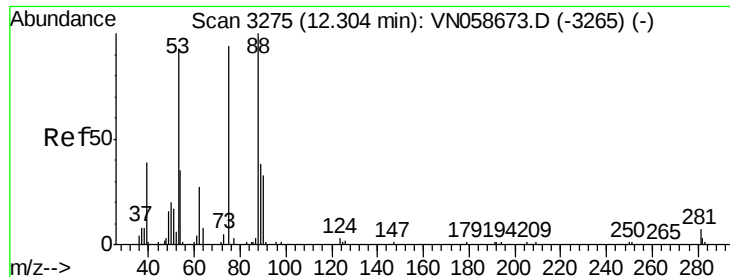
120 50.3 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058671.D (-3255) (-)

Ion 120.00 (119.70 to 120.70): VN058671.D (-3255) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 194.577 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

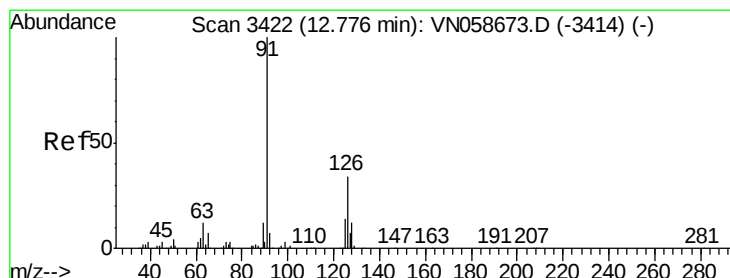
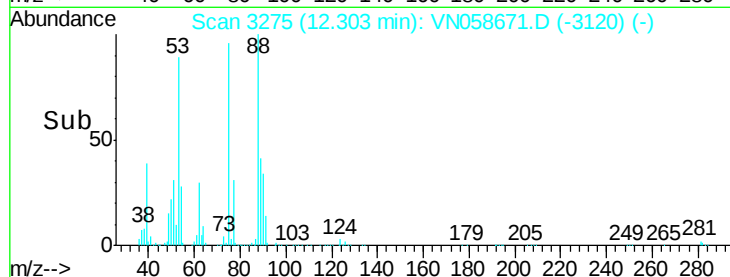
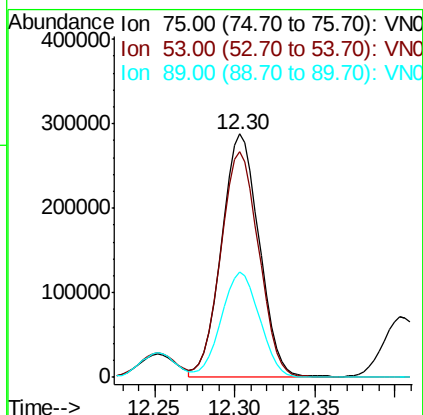
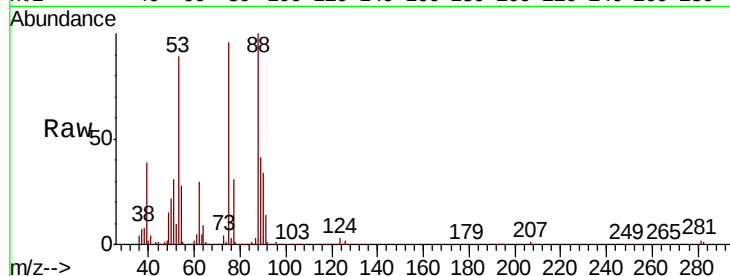
Tot Ion: 75 Resp: 466032

Ion Ratio Lower Upper

75 100

53 93.1 50.0 150.0

89 43.1 20.7 62.1



#78

4-Chlorotoluene

Concen: 145.961 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058671.D

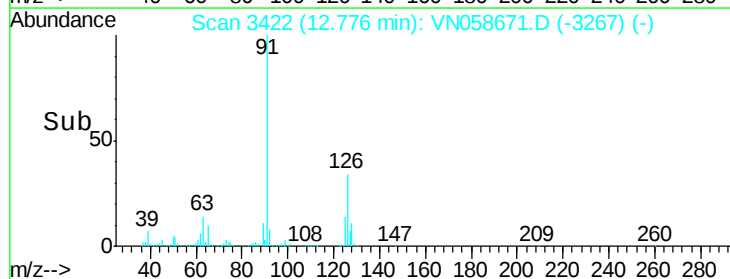
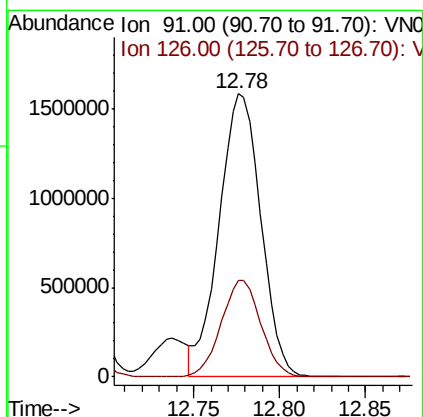
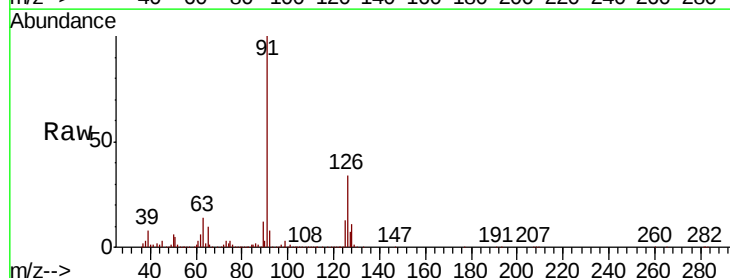
Acq: 10 Oct 2019 17:50

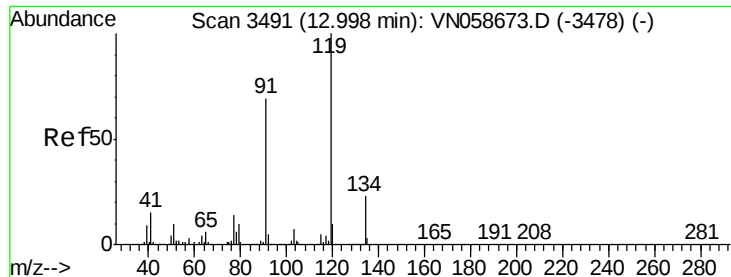
Tgt Ion: 91 Resp: 2674322

Ion Ratio Lower Upper

91 100

126 32.7 0.0 63.4

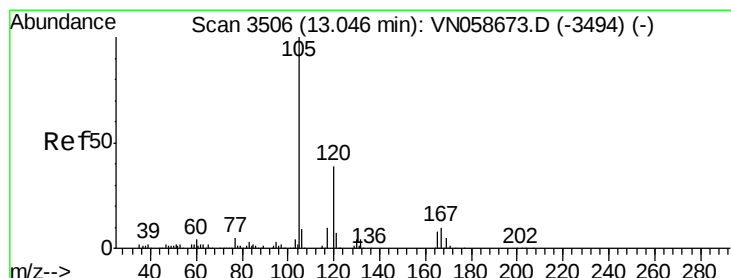
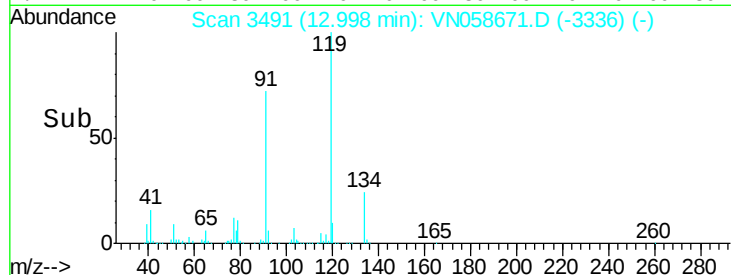
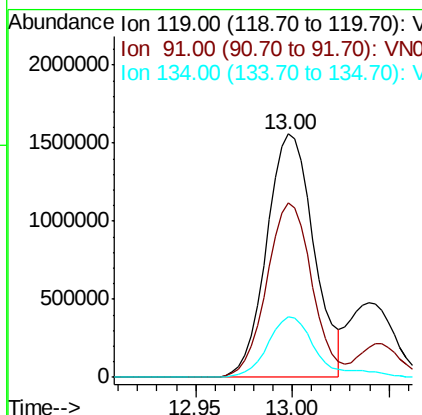
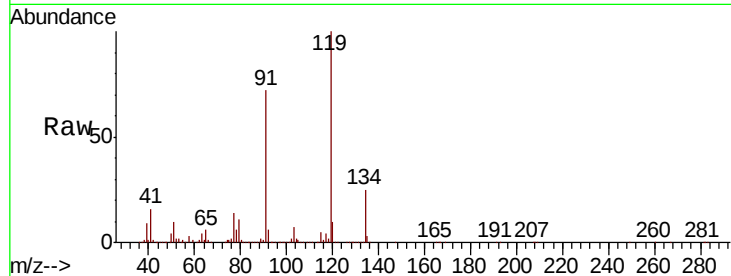




#79
tert-butylbenzene
Concen: 142.414 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

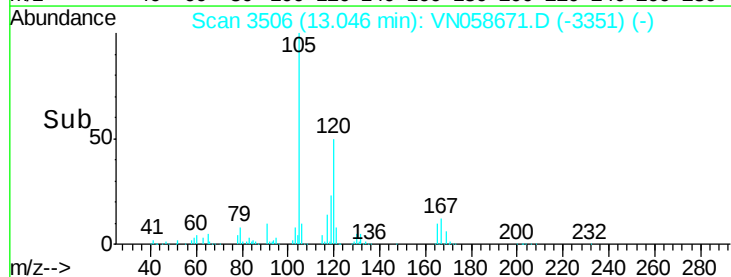
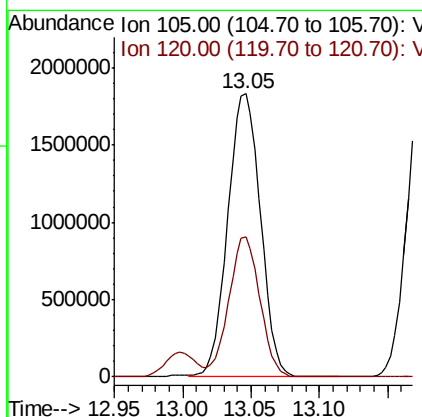
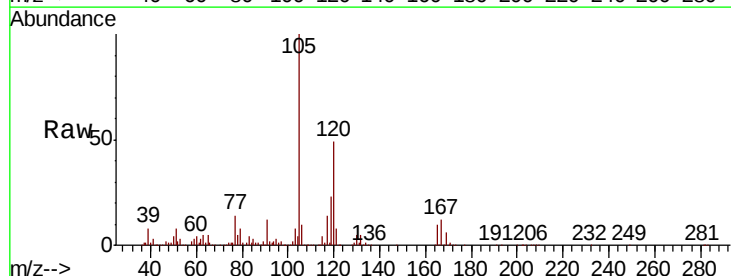
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

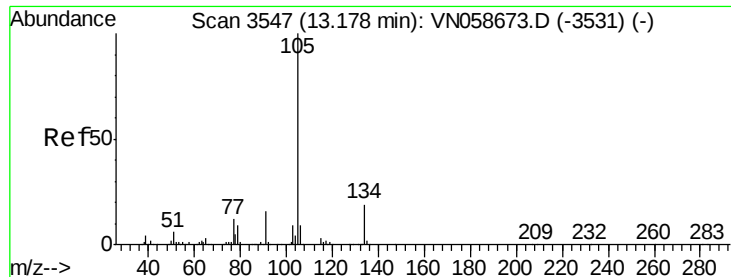
Tot Ion:119 Resp: 2641999
Ion Ratio Lower Upper
119 100
91 68.8 0.0 136.4
134 23.7 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 143.602 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion:105 Resp: 3049771
Ion Ratio Lower Upper
105 100
120 47.0 0.0 89.2

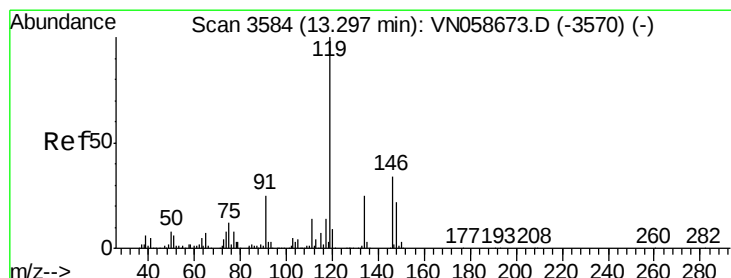
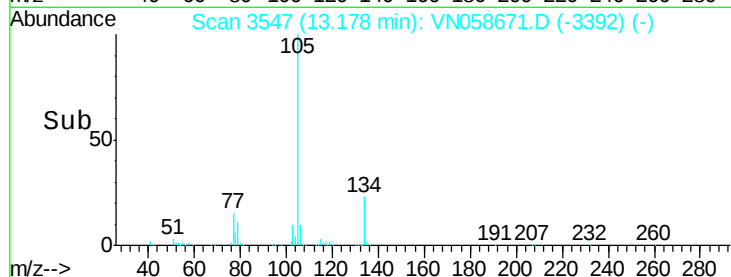
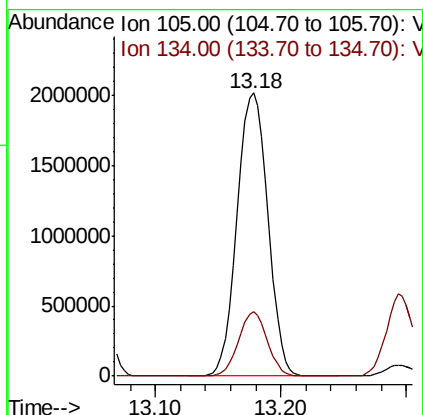
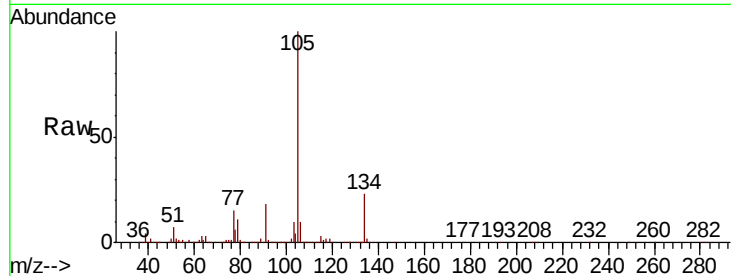




#81
 sec-Butylbenzene
 Concen: 142.158 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

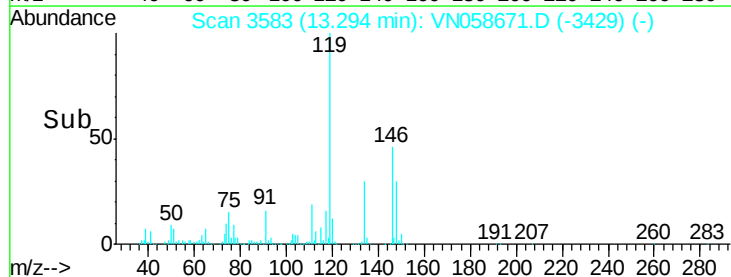
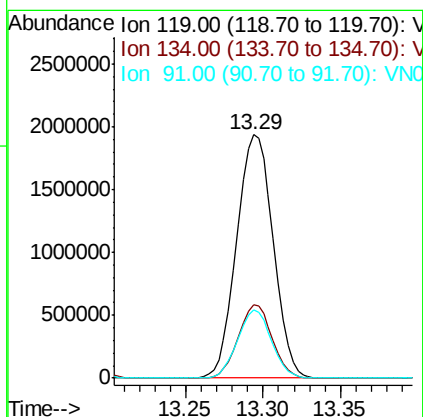
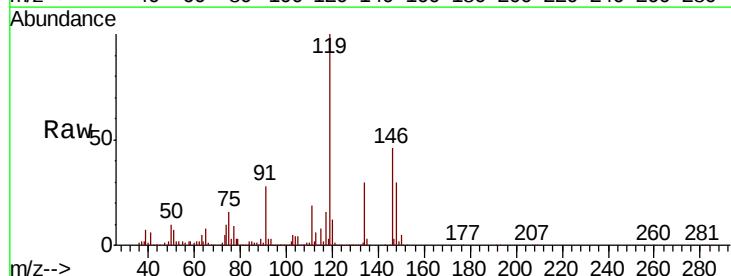
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

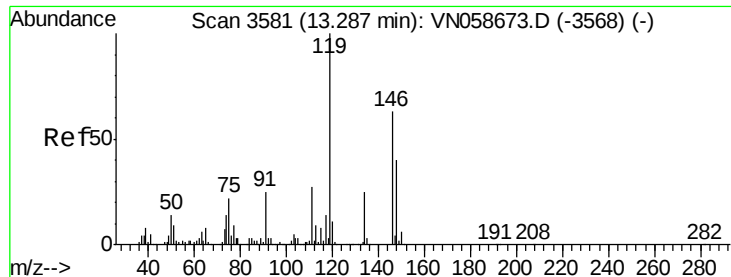
Tot Ion:105 Resp: 3442607
 Ion Ratio Lower Upper
 105 100
 134 21.2 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 145.337 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion:119 Resp: 3176362
 Ion Ratio Lower Upper
 119 100
 134 28.0 0.0 50.8
 91 26.0 0.0 49.4

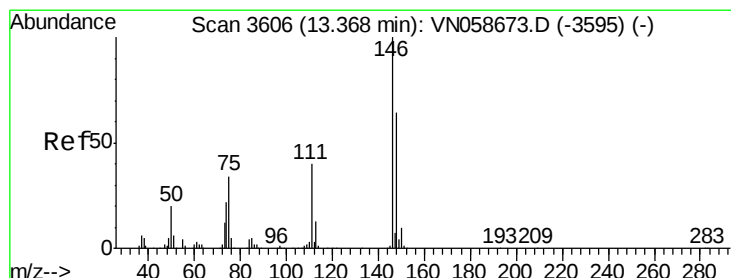
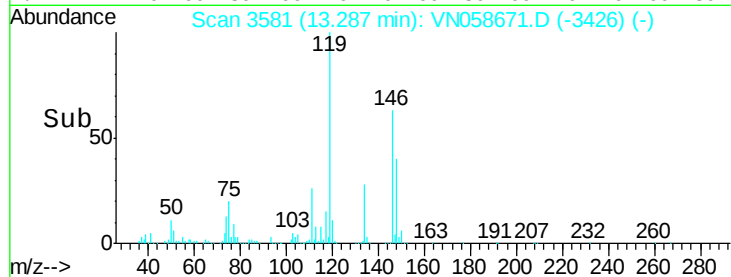
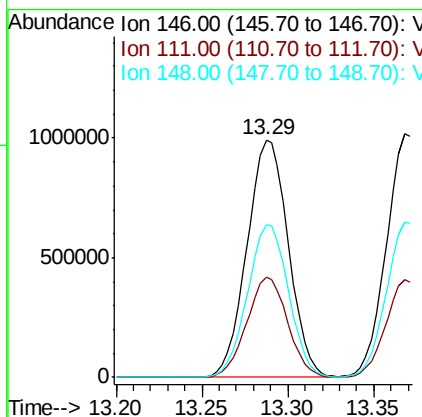
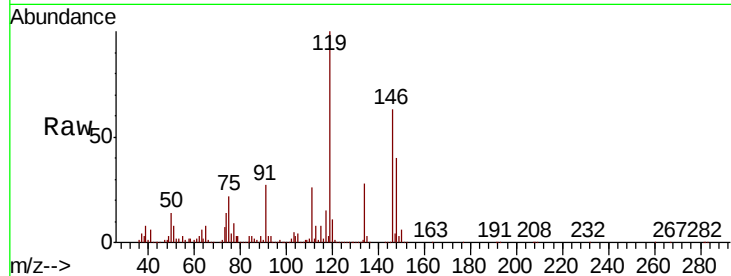




#83
 1,3-Dichlorobenzene
 Concen: 148.647 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

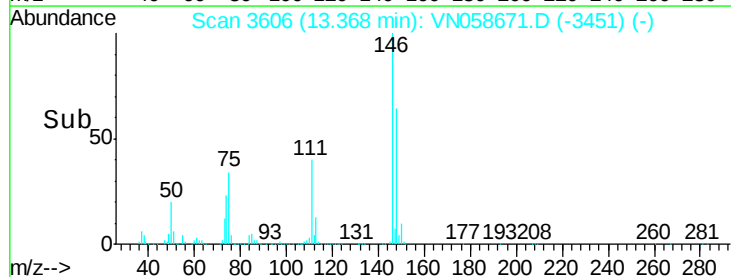
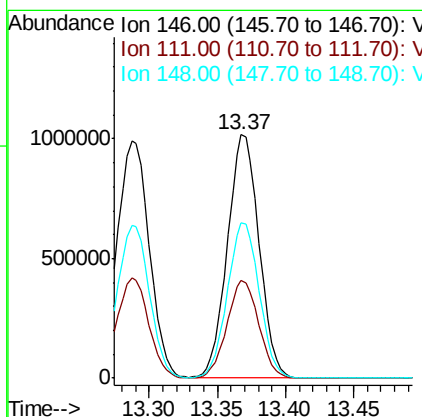
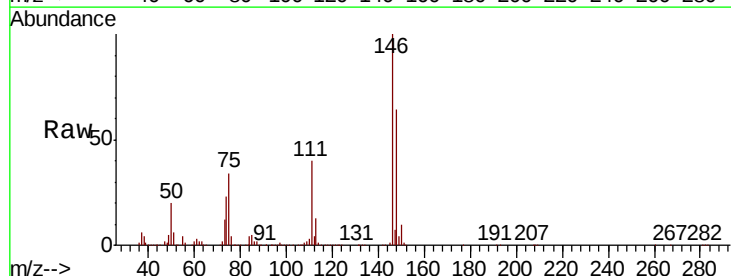
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

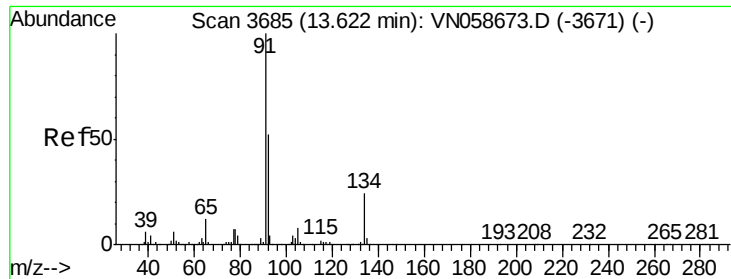
Tot Ion:146 Resp: 1653999
 Ion Ratio Lower Upper
 146 100
 111 41.6 21.0 63.0
 148 63.9 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 147.944 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion:146 Resp: 1644418
 Ion Ratio Lower Upper
 146 100
 111 40.2 19.8 59.4
 148 63.9 31.6 94.8

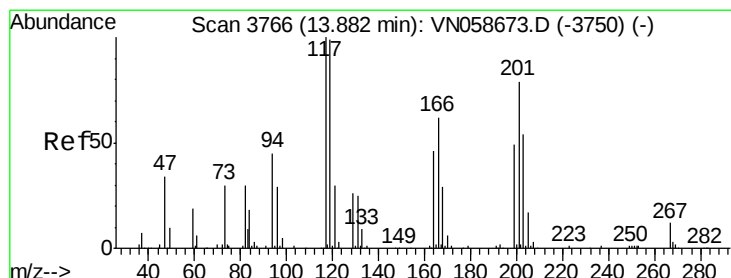
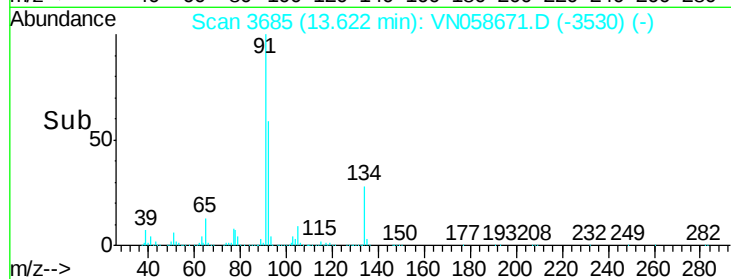
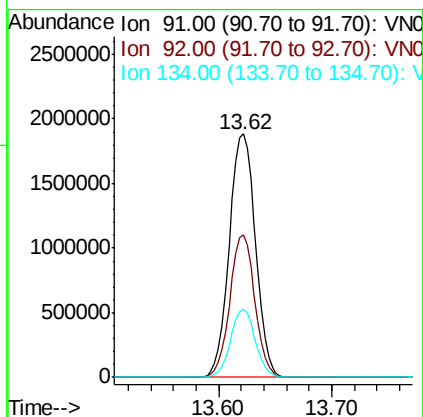
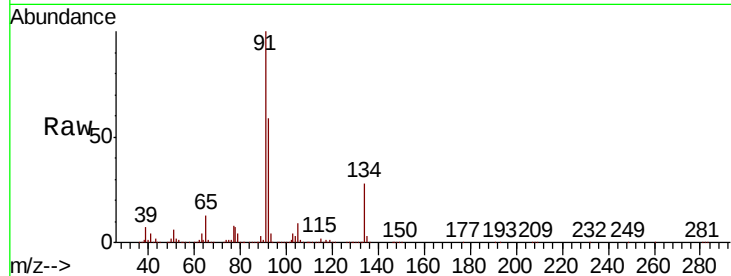




#85
n-Butylbenzene
Concen: 150.170 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

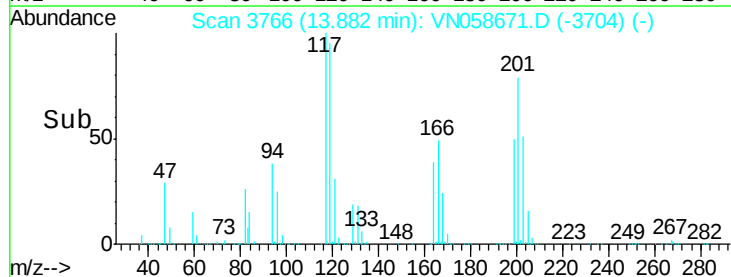
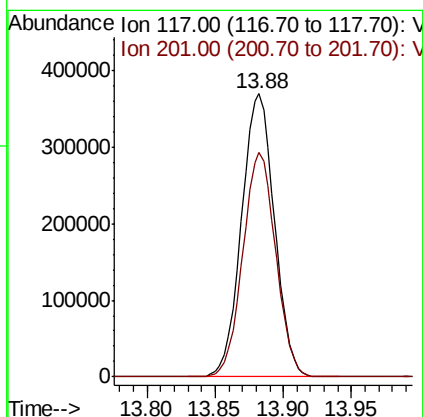
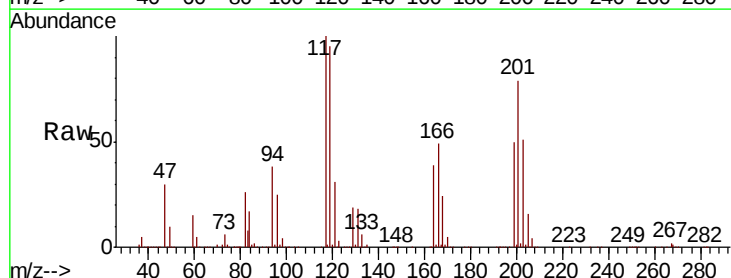
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

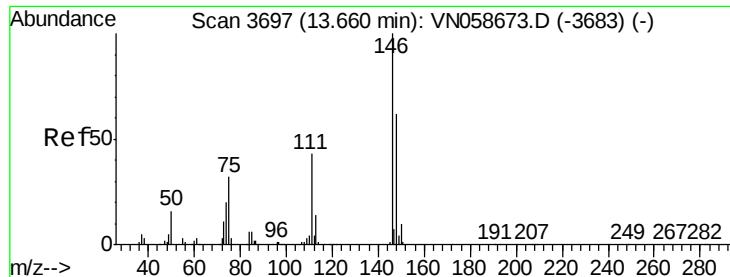
Tot Ion: 91 Resp: 3037135
Ion Ratio Lower Upper
91 100
92 55.8 0.0 102.8
134 26.5 0.0 48.6



#86
Hexachloroethane
Concen: 167.967 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Tgt Ion: 117 Resp: 618108
Ion Ratio Lower Upper
117 100
201 79.2 38.7 116.1





#87

1,2-Dichlorobenzene

Concen: 146.941 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

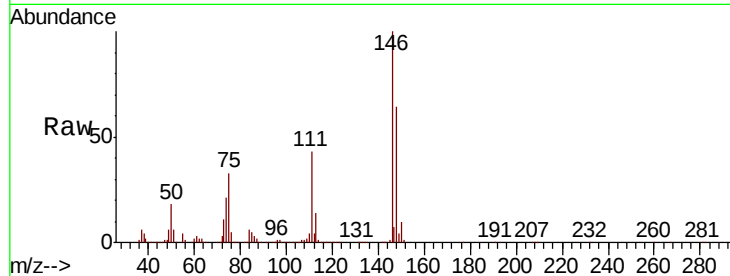
Tot Ion:146 Resp: 1595373

Ion Ratio Lower Upper

146 100

111 43.4 21.8 65.4

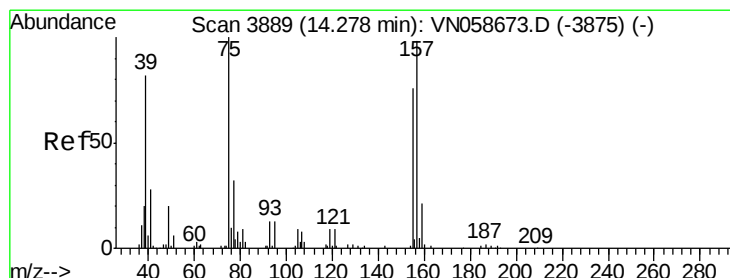
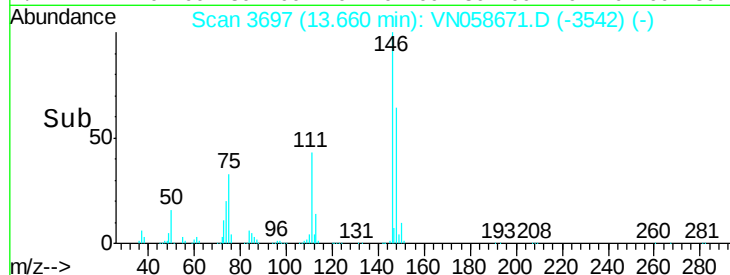
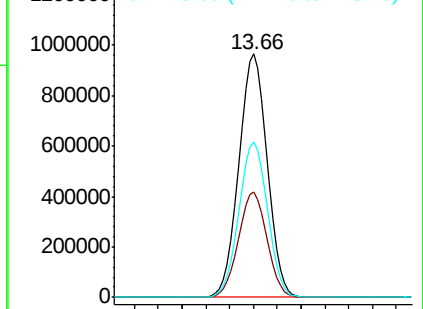
148 64.5 32.1 96.5



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: 171.731 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

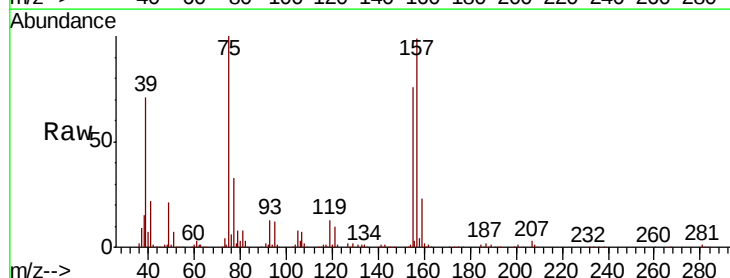
Tgt Ion: 75 Resp: 281195

Ion Ratio Lower Upper

75 100

155 76.9 58.3 87.5

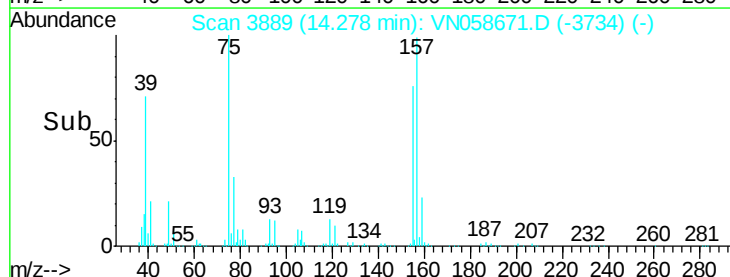
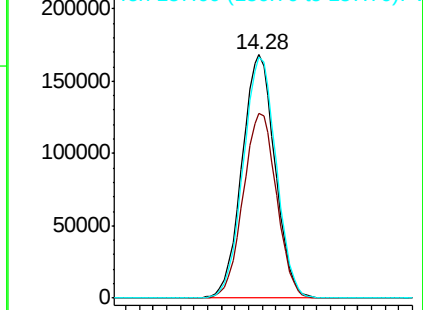
157 99.3 75.0 112.6

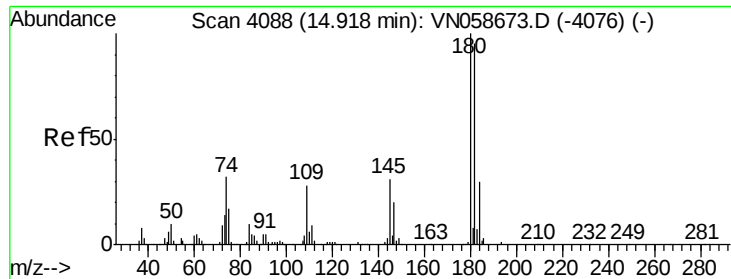


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

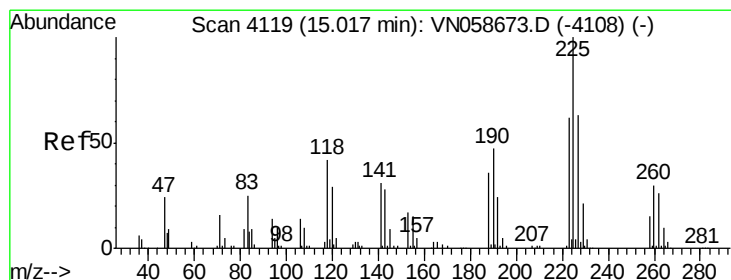
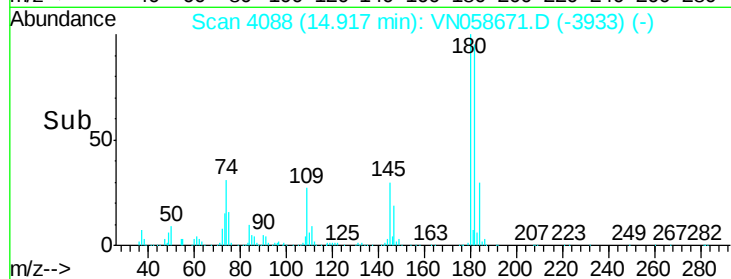
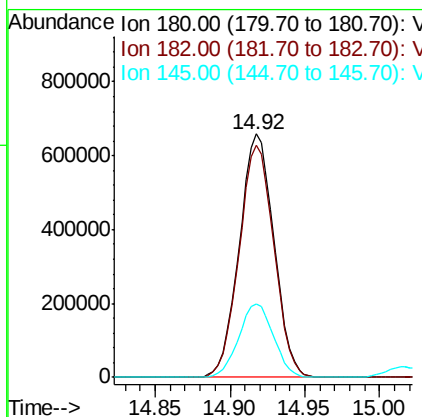
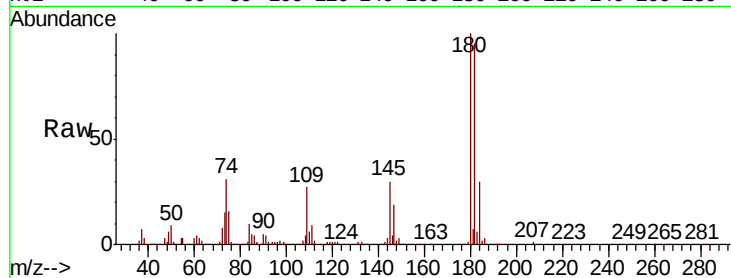




#89
 1,2,4-Trichlorobenzene
 Concen: 149.000 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

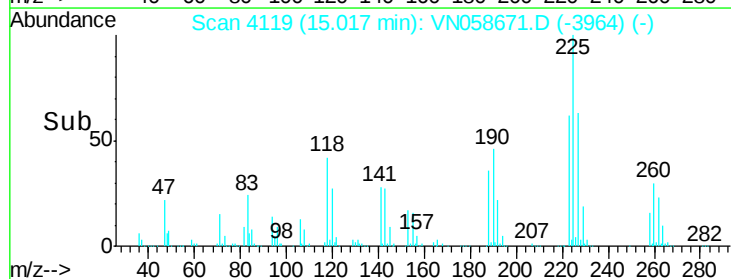
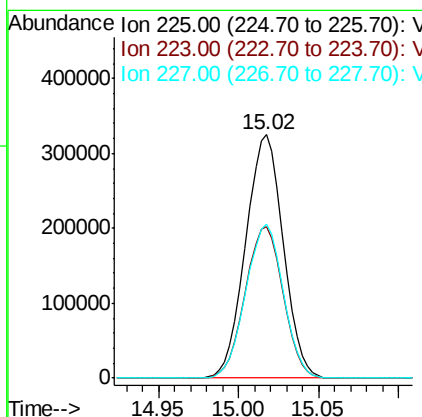
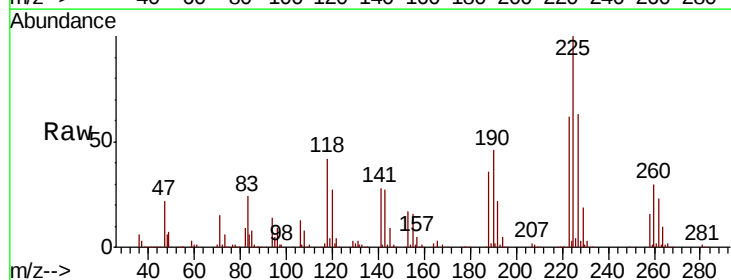
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

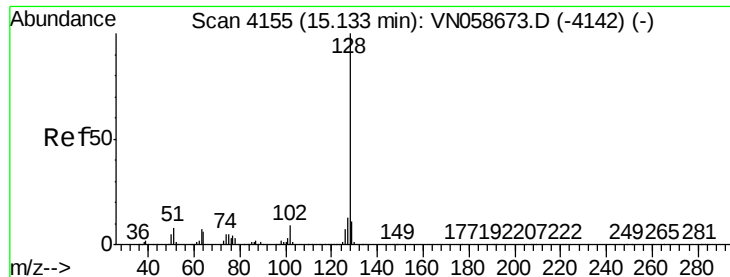
Tot Ion:180 Resp: 1062303
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.3 112.9
 145 30.3 24.8 37.2



#90
 Hexachlorobutadiene
 Concen: 149.864 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion:225 Resp: 521191
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 126.2
 227 63.2 0.0 127.0





#91

Naphthalene

Concen: 155.514 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

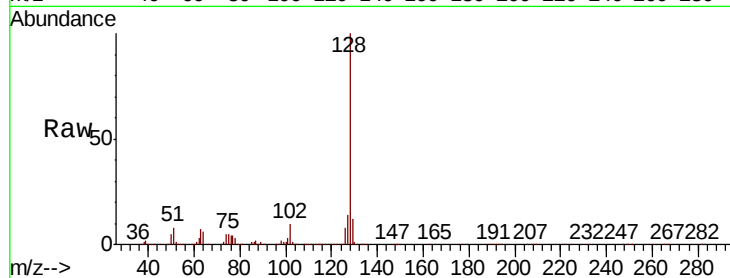
Tot Ion:128 Resp: 3087044

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.2	8.6	13.0

128 100

127 13.2 10.2 15.2

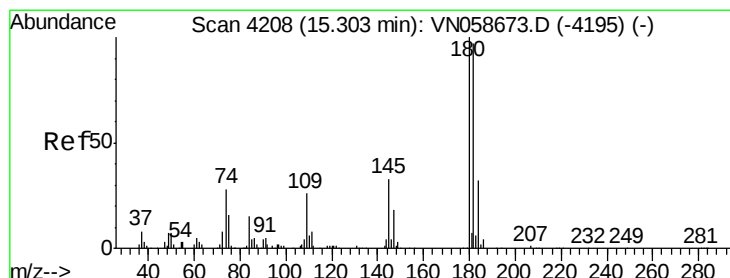
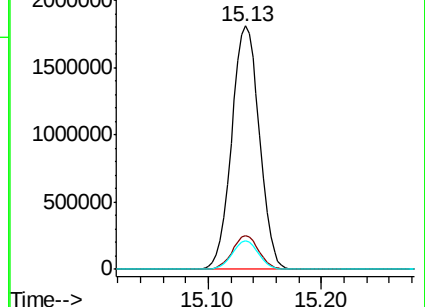
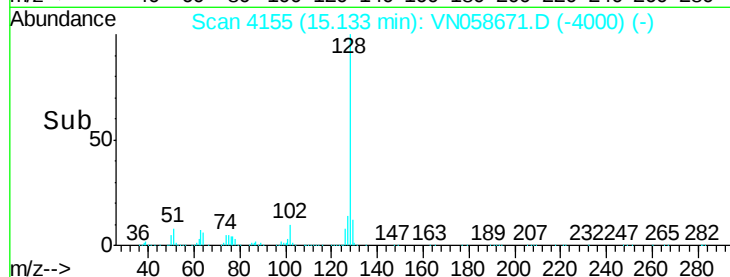
129 11.2 8.6 13.0



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: 150.121 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

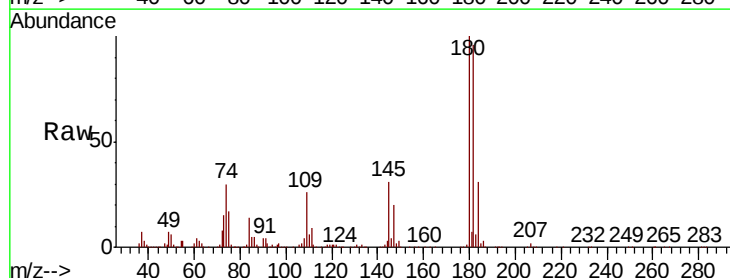
Tgt Ion:180 Resp: 1031765

Ion	Ratio	Lower	Upper
180	100		
182	95.8	0.0	193.4
145	32.2	0.0	65.8

180 100

182 95.8 0.0 193.4

145 32.2 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

