

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
 Data File : VN058671.D
 Acq On : 10 Oct 2019 17:50
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 11 04:15:03 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	486103	148.692	ug/l 100
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	7.19	41	1669481	541.278	ug/l # 63
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
 QLast Update : Fri Oct 11 04:10:20 2019
 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) 1,2,3-Trichloropropane	12.56	75	1672222	239.854	ug/l	59
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

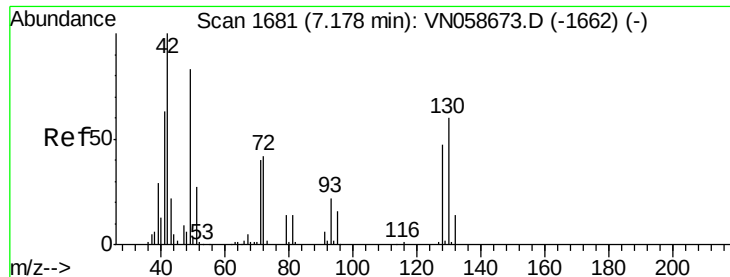
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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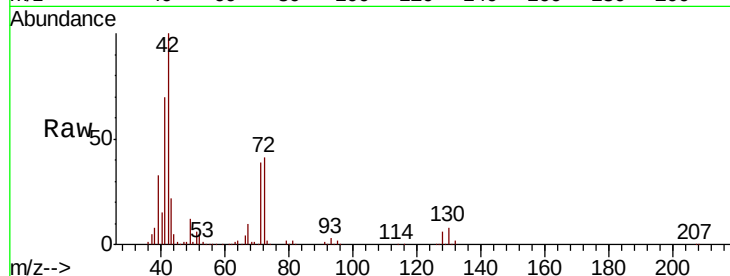
(#) = qualifier out of range (m) = manual integration (+) = signals summed



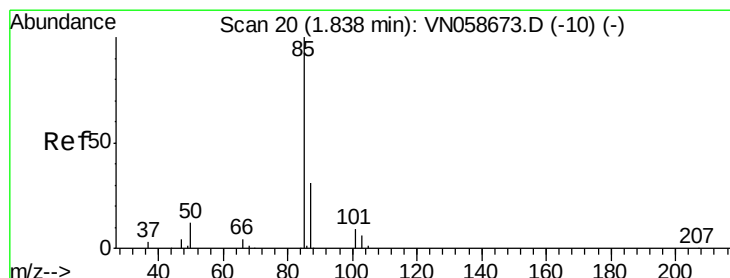
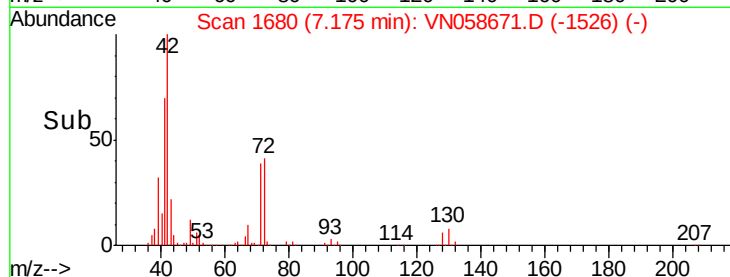
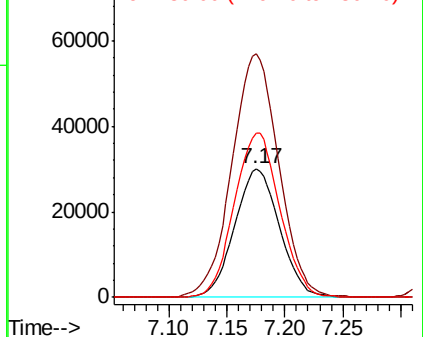
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

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

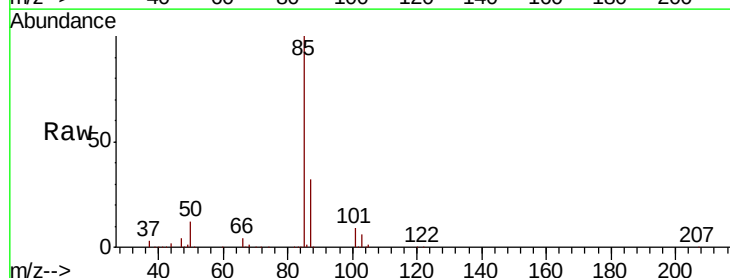


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

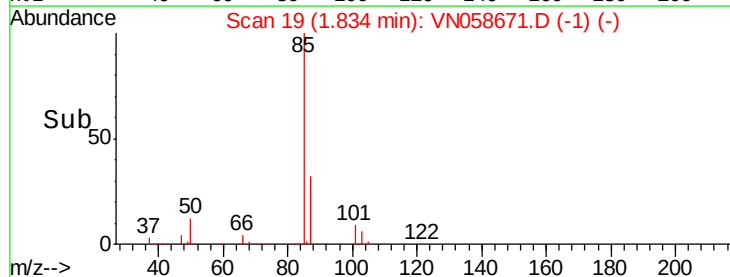
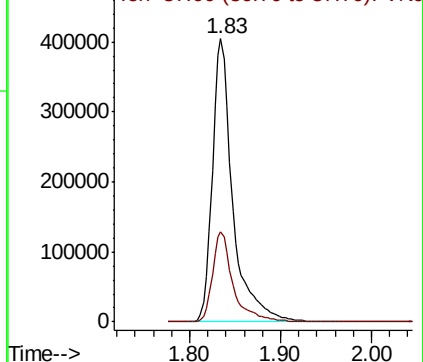


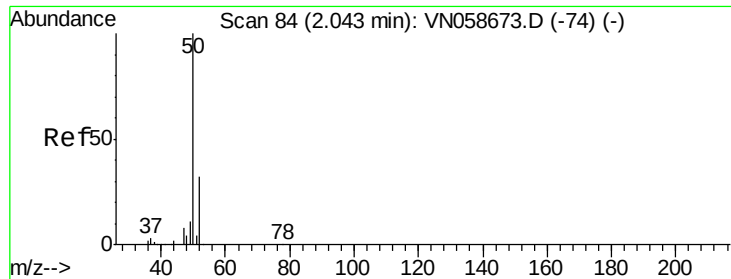
#2
Dichlorodifluoromethane
Concen: 131.758 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

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): VN
Ion 87.00 (86.70 to 87.70): VN





#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 :

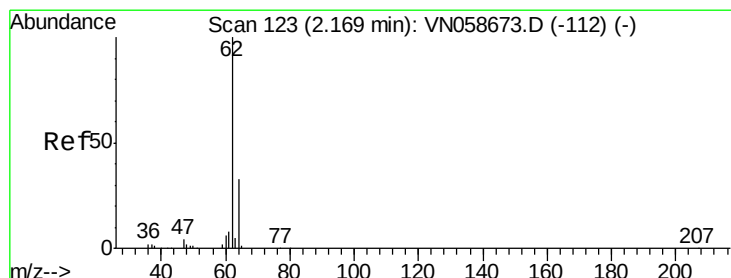
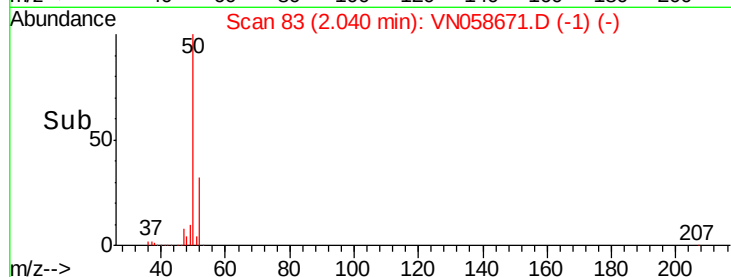
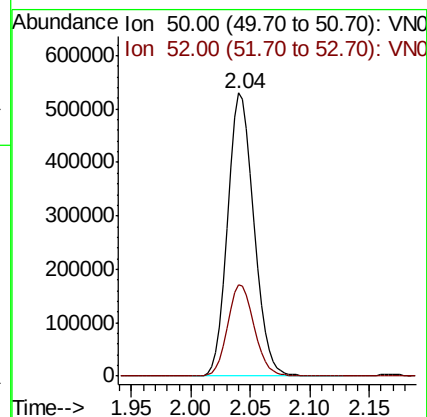
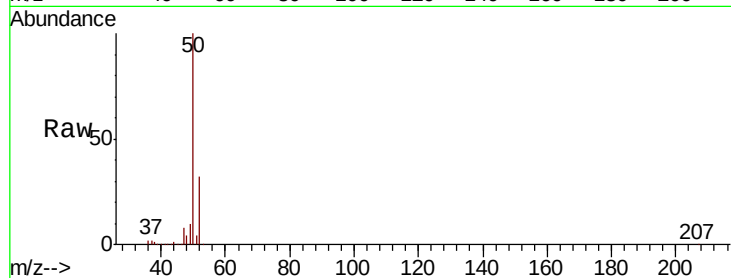
VSTDIC150

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

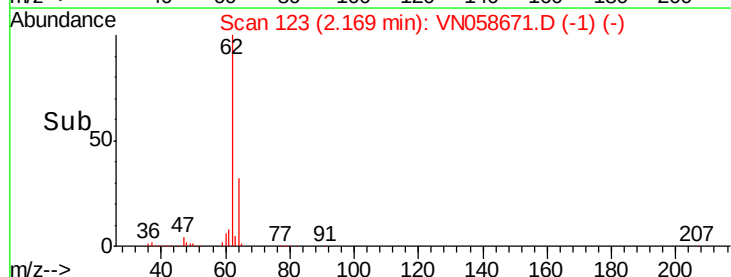
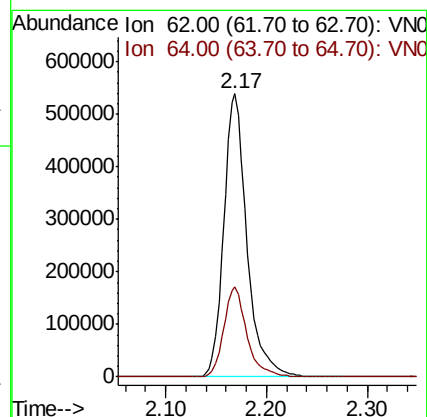
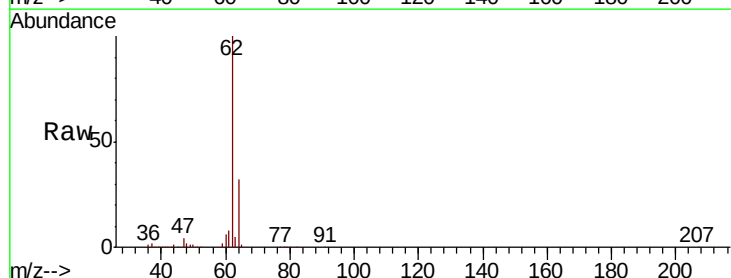
Acq: 10 Oct 2019 17:50

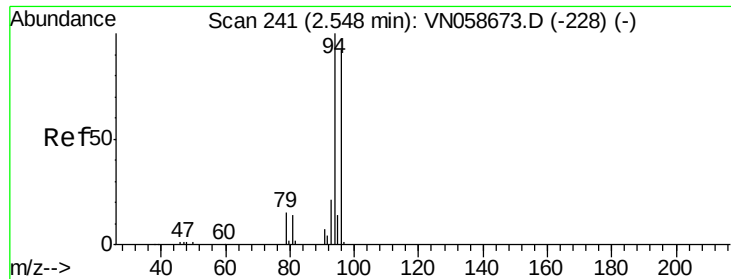
Tgt Ion: 62 Resp: 864120

Ion Ratio Lower Upper

62 100

64 31.6 26.1 39.1





#5

Bromomethane

Concen: 148.692 ug/l

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 :

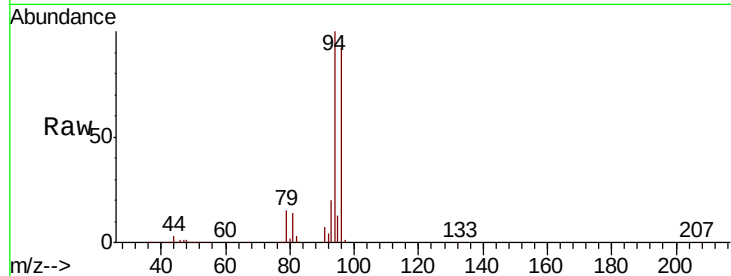
VSTDIC150

Tot Ion: 94 Resp: 486103

Ion Ratio Lower Upper

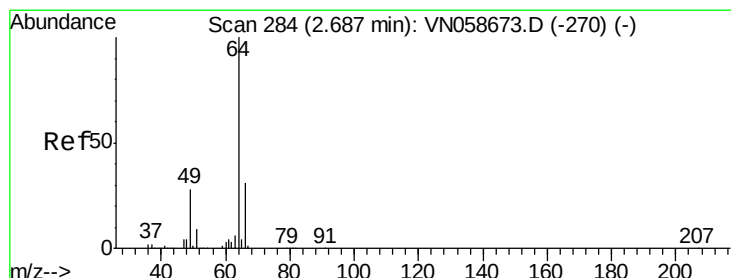
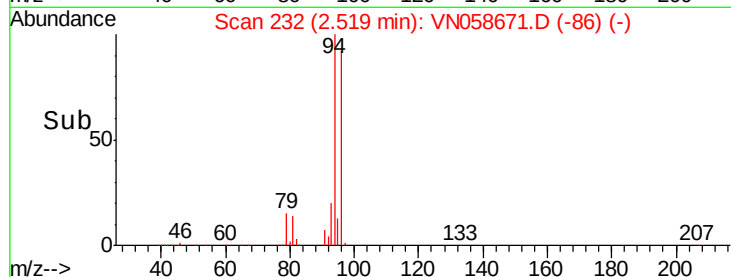
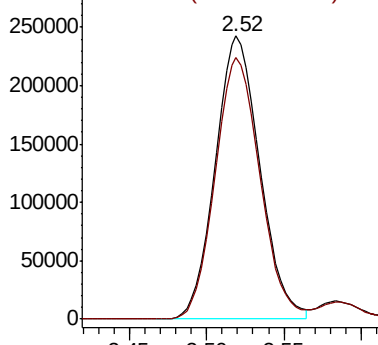
94 100

96 92.4 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 155.607 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.02 min

Lab File: VN058671.D

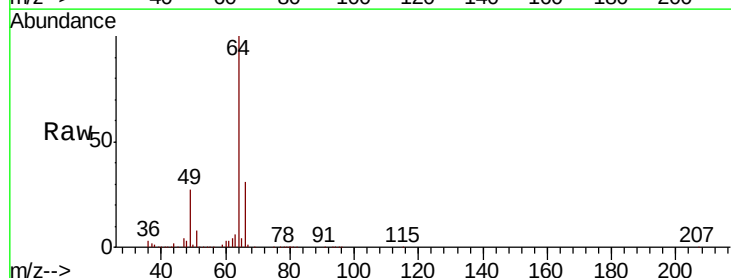
Acq: 10 Oct 2019 17:50

Tgt Ion: 64 Resp: 532248

Ion Ratio Lower Upper

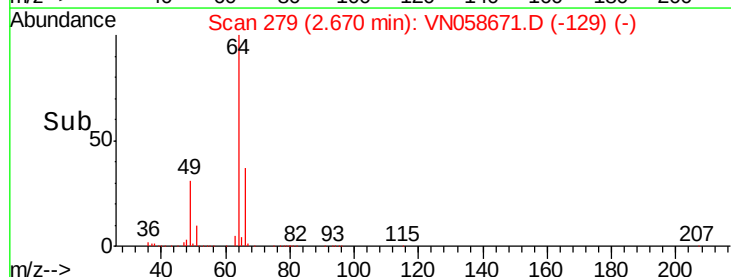
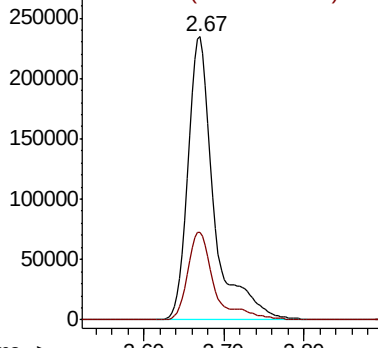
64 100

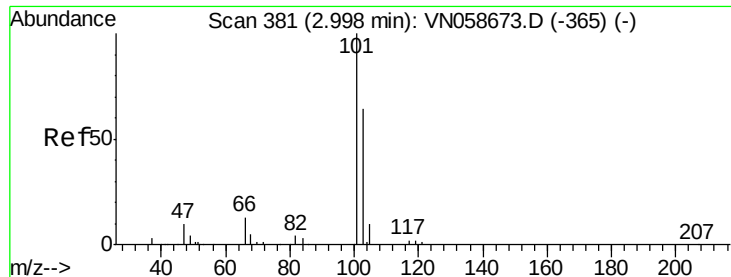
66 31.0 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



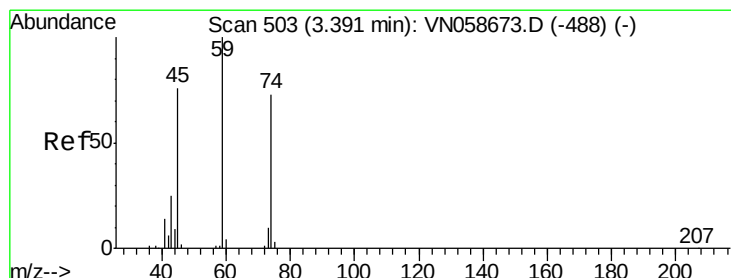
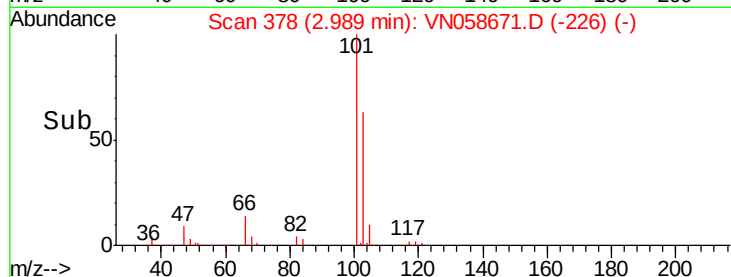
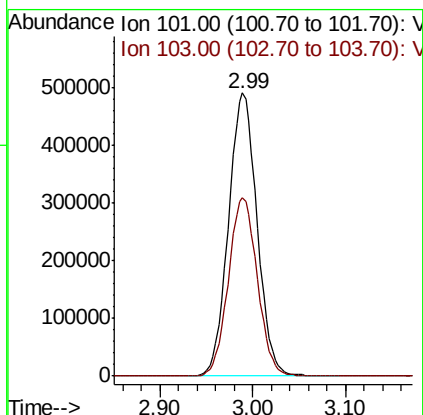
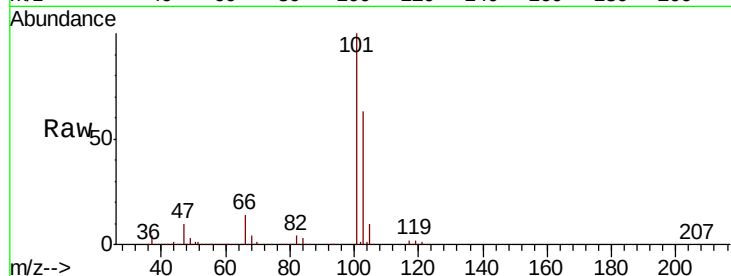


#7

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 :
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 ClientSampleId :
 VSTDIC150

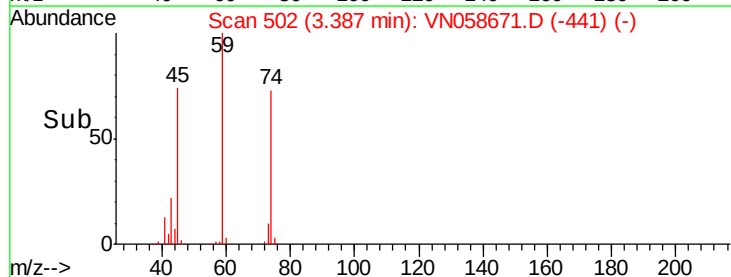
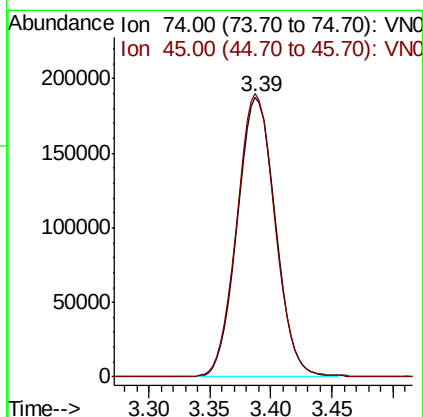
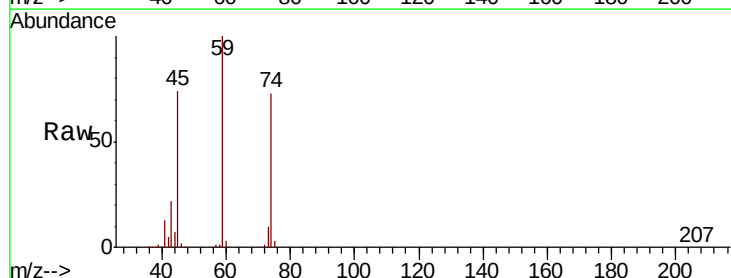
Tot Ion:101 Resp: 1047904
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.5 77.3

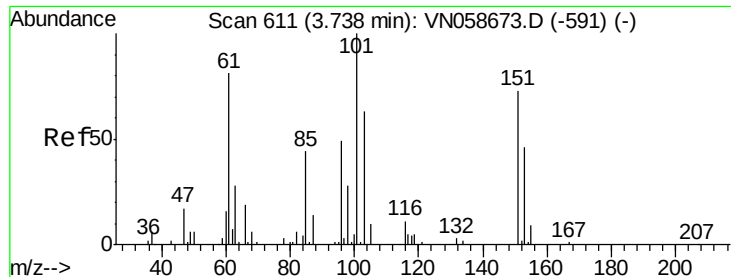


#8

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

ClientSampled :

VSTDIC150

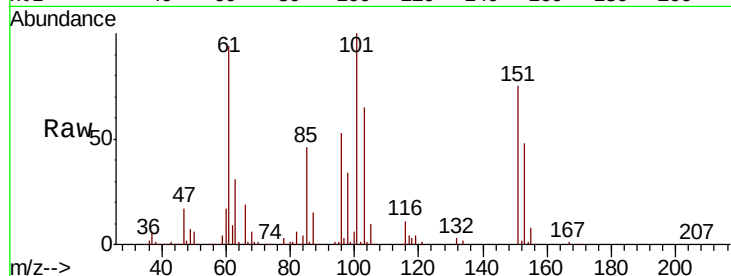
Tot Ion:101 Resp: 601504

Ion Ratio Lower Upper

101 100

85 45.4 0.0 93.8

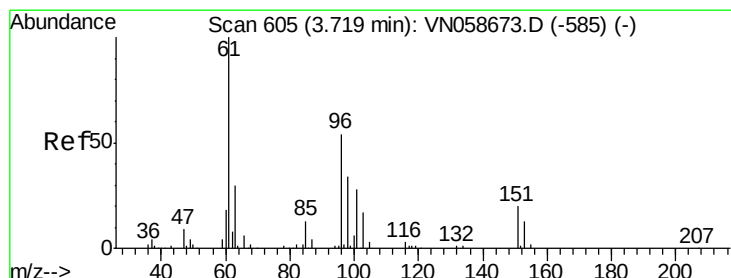
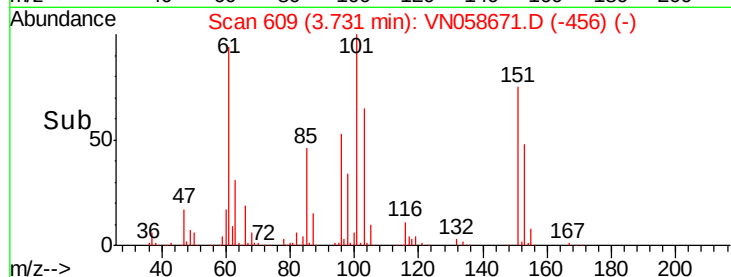
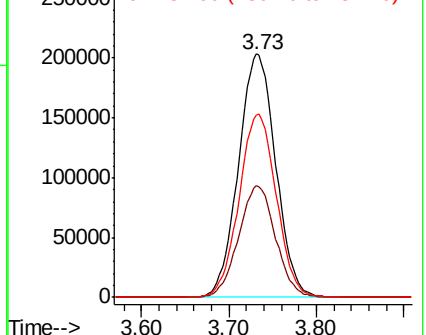
151 75.3 0.0 149.6



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

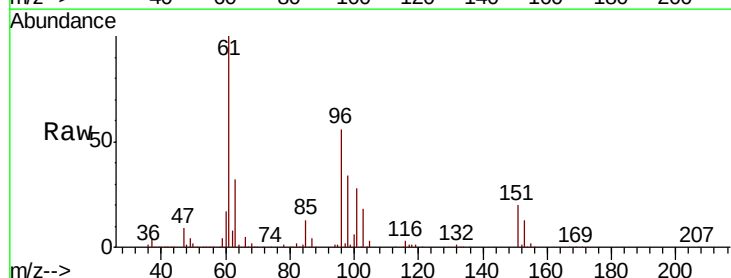
Tgt Ion: 96 Resp: 586058

Ion Ratio Lower Upper

96 100

61 179.8 148.5 222.7

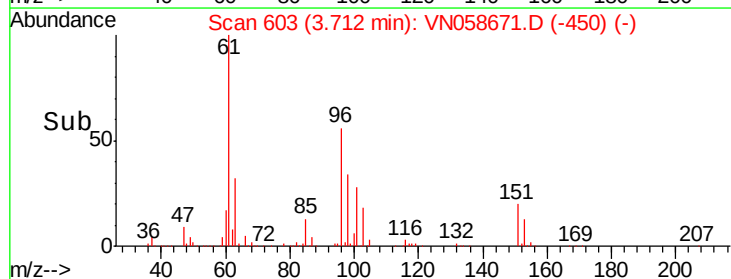
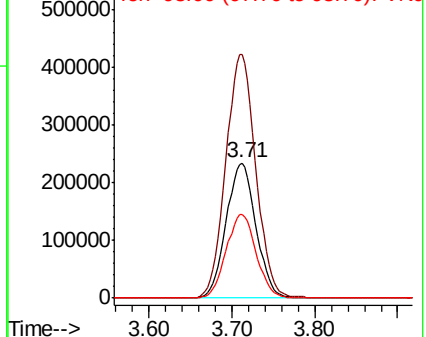
98 61.9 51.0 76.6

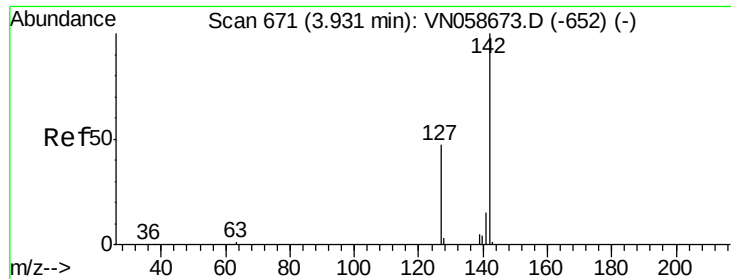


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

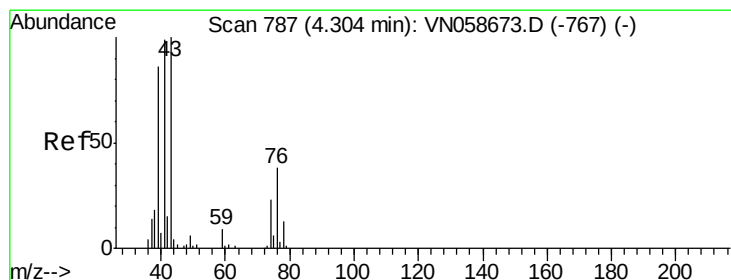
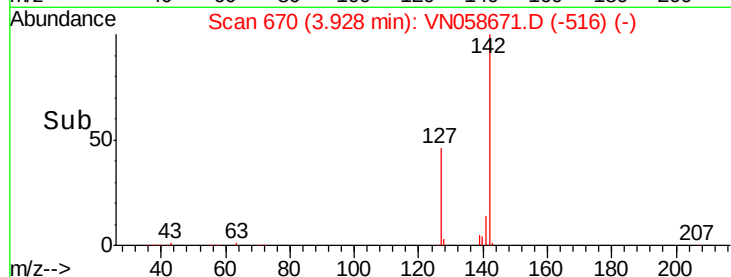
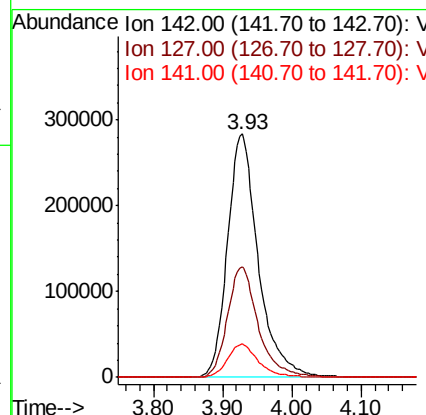
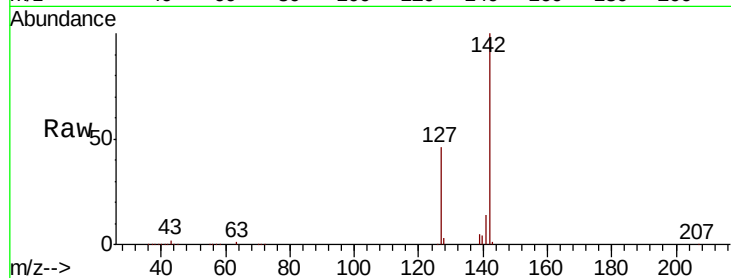




#11
Methvl Iodide
Concen: 177.833 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

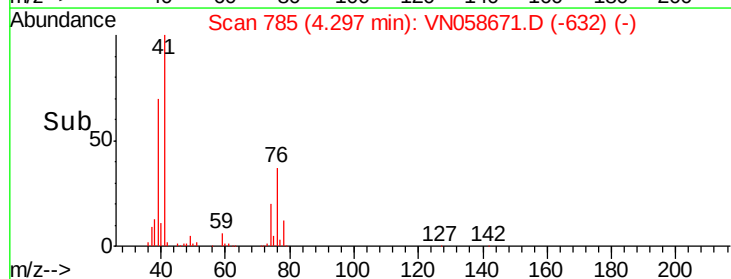
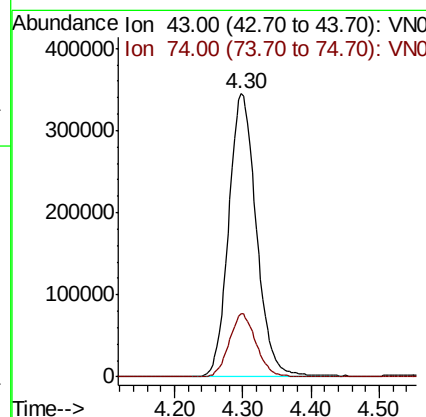
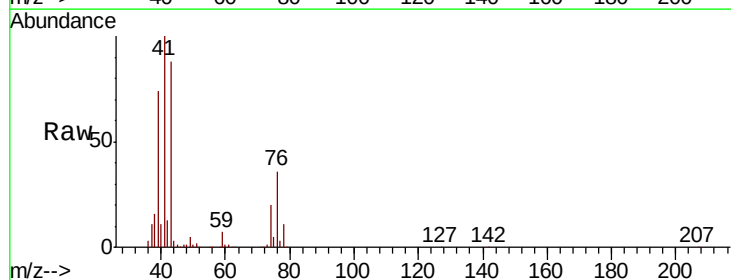
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

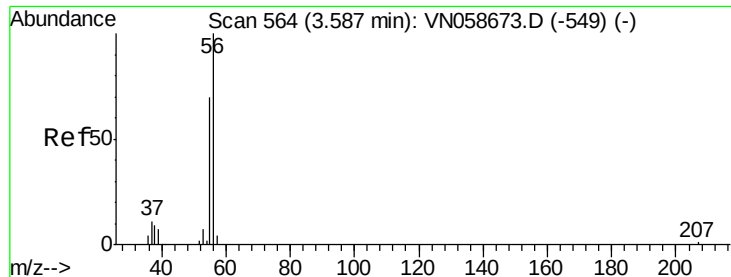
Tot Ion:142 Resp: 876233
Ion Ratio Lower Upper
142 100
127 45.5 23.5 70.6
141 13.7 7.4 22.2



#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





#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 :

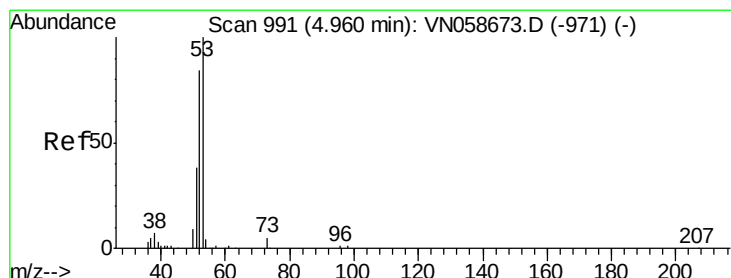
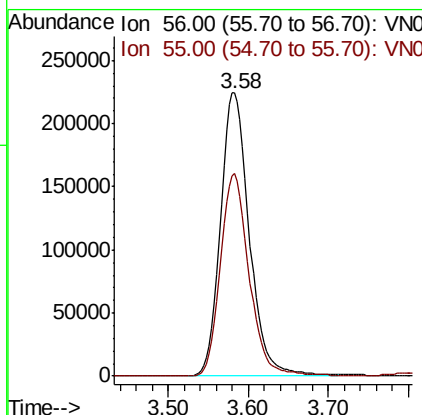
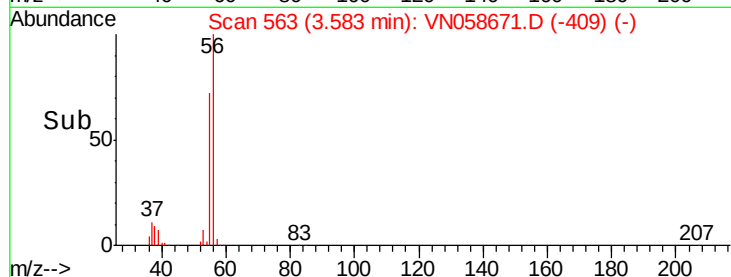
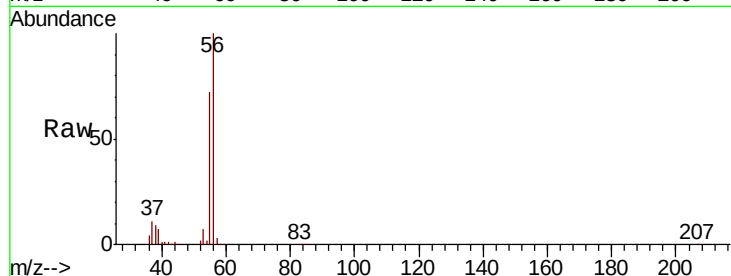
VSTDIC150

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

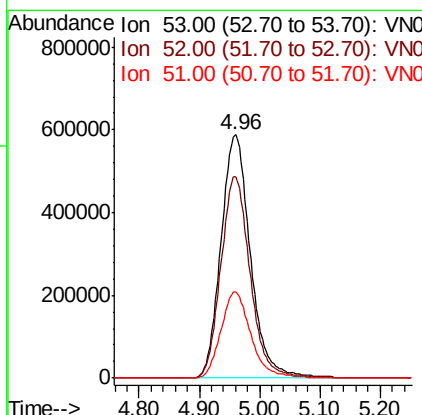
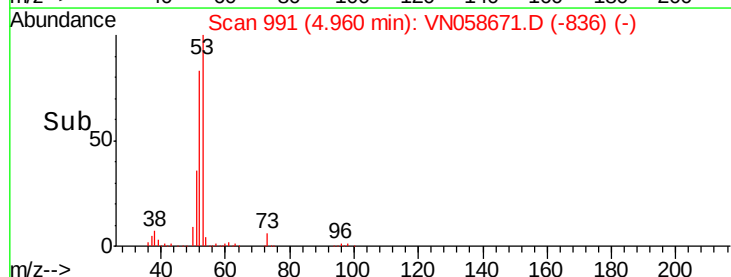
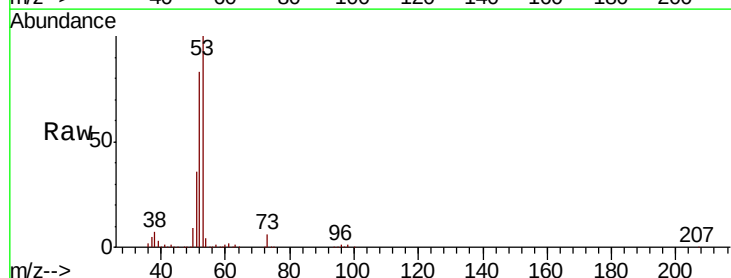
Tgt Ion: 53 Resp: 1996889

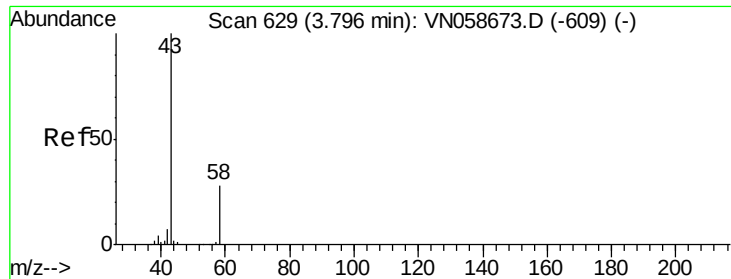
Ion Ratio Lower Upper

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 :

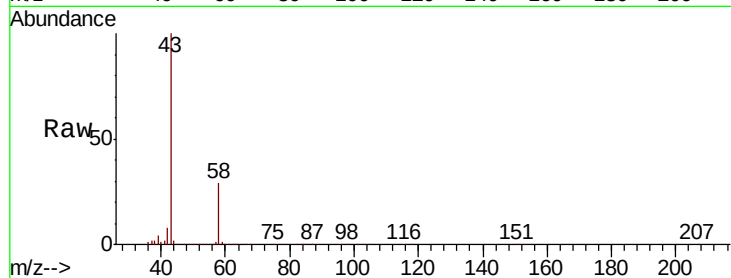
VSTDIC150

Tot Ion: 58 Resp: 555433

Ion Ratio Lower Upper

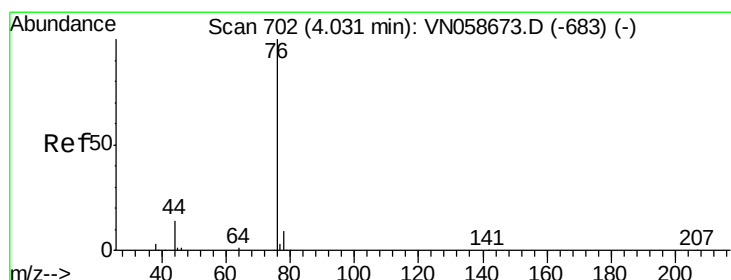
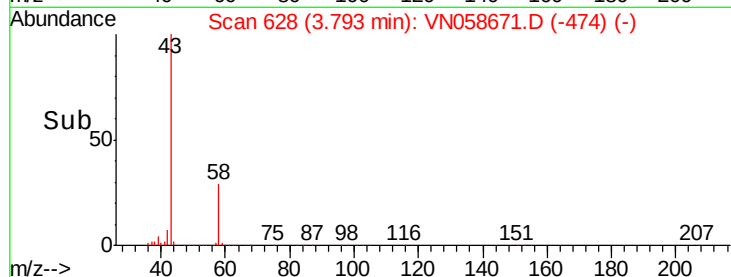
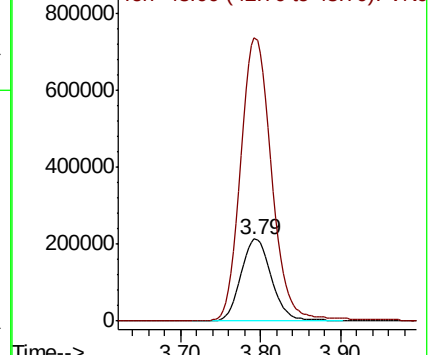
58 100

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

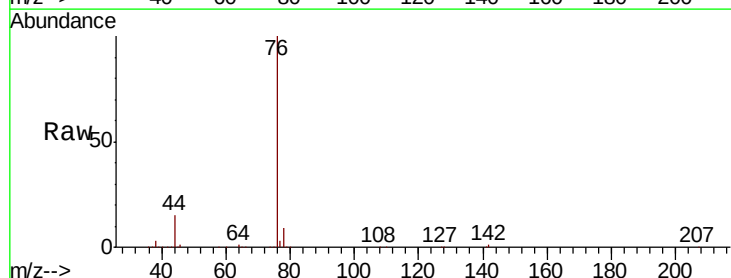
Acq: 10 Oct 2019 17:50

Tgt Ion: 76 Resp: 1736555

Ion Ratio Lower Upper

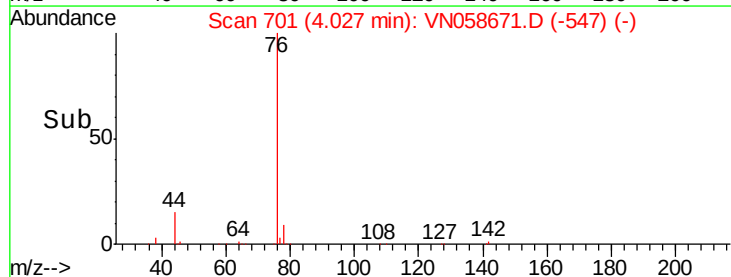
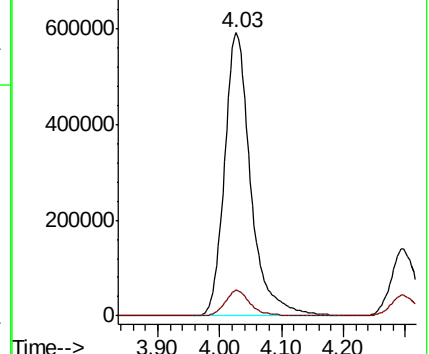
76 100

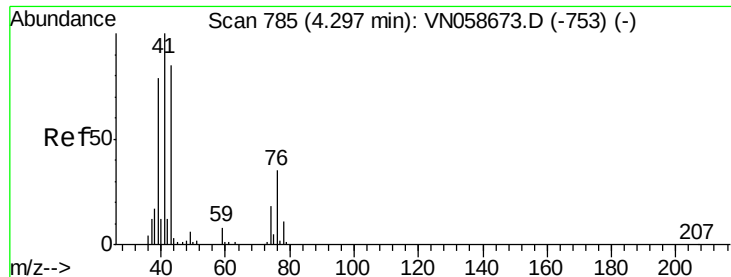
78 9.0 7.4 11.0



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

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

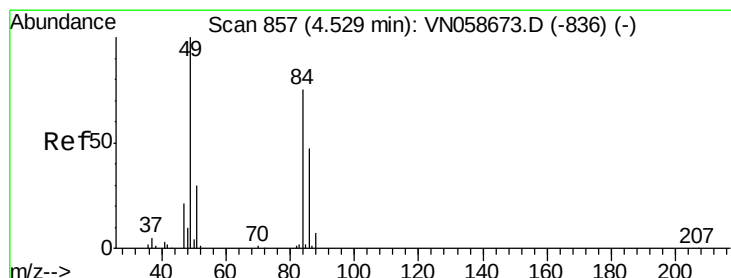
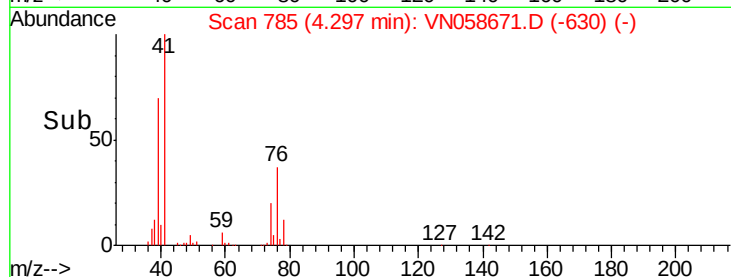
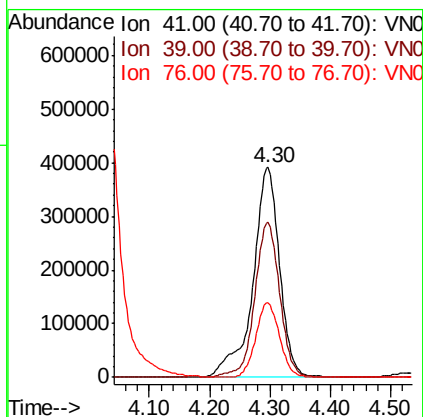
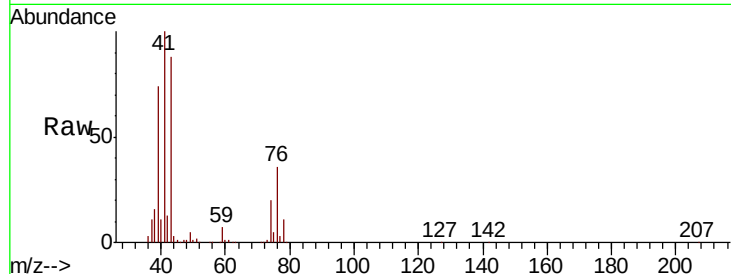




#17
Allvl chloride
Concen: 144.818 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

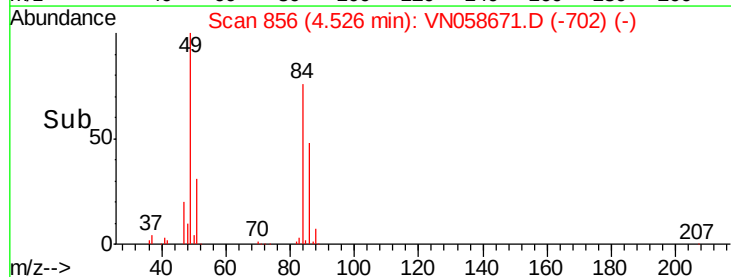
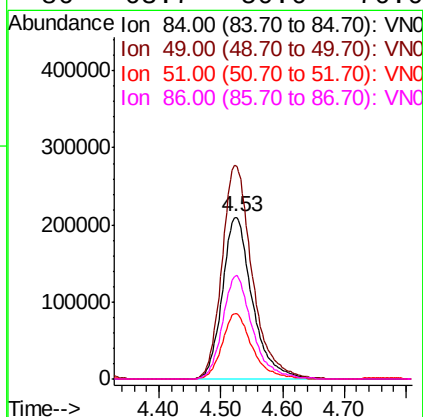
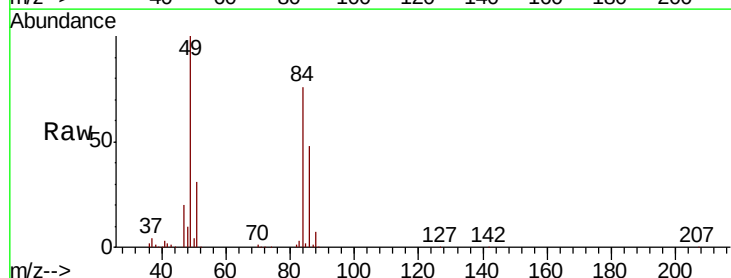
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

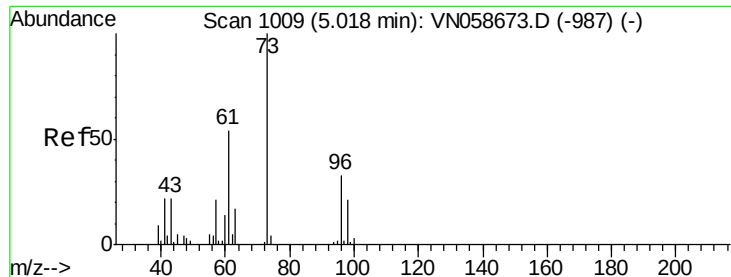
Tot Ion: 41 Resp: 1215230
Ion Ratio Lower Upper
41 100
39 73.7 39.6 118.8
76 35.6 17.6 52.9



#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

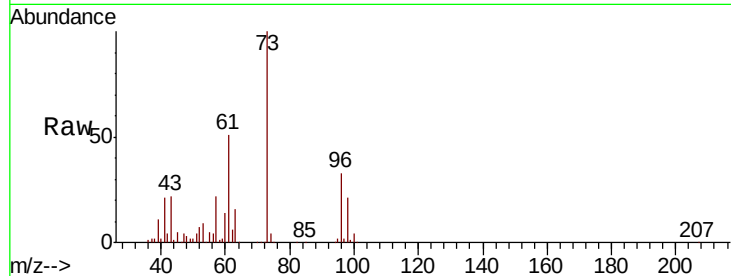
Tot Ion: 96 Resp: 649657

Ion Ratio Lower Upper

96 100

61 154.9 131.8 197.6

98 63.9 52.6 79.0

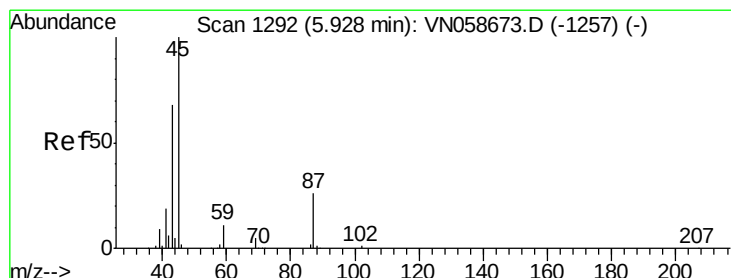
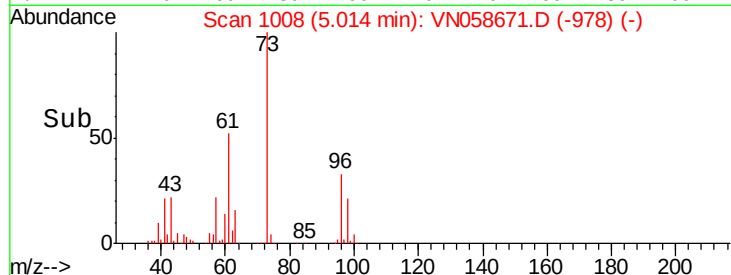
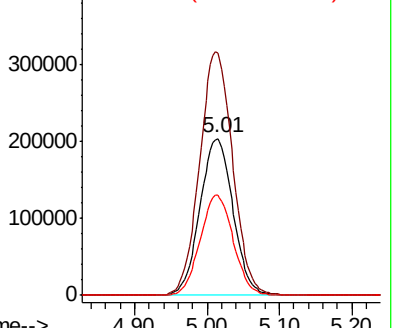


Abundance

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

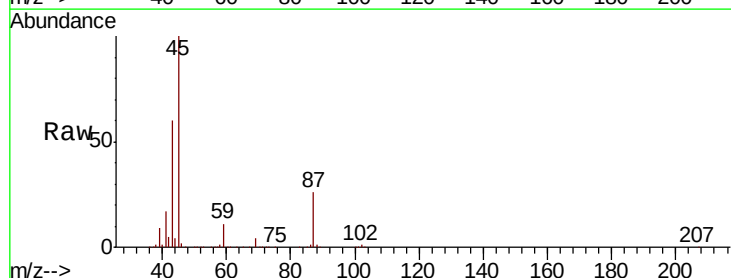
Ion Ratio Lower Upper

45 100

43 59.2 54.7 82.1

87 26.1 21.5 32.3

59 11.1 8.7 13.1



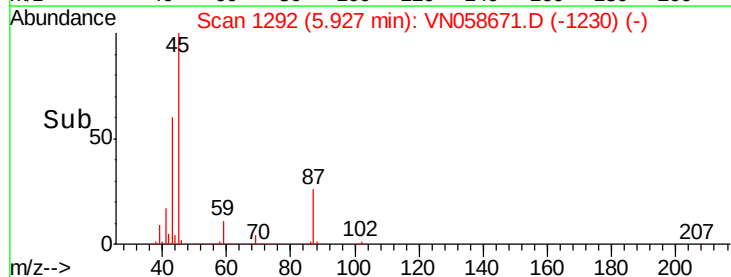
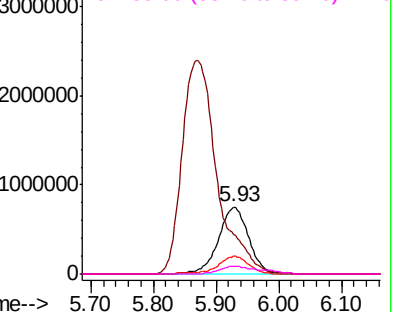
Abundance

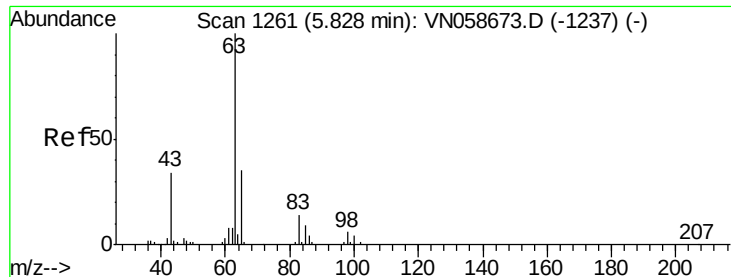
Ion 45.00 (44.70 to 45.70): VN0

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

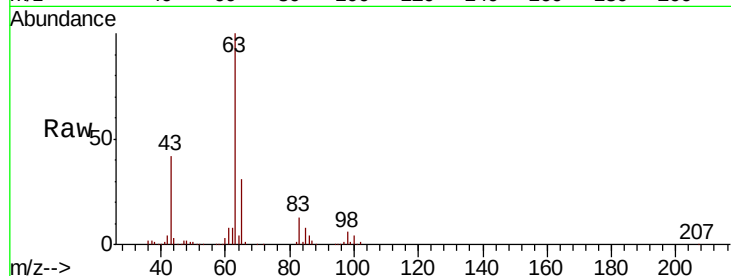
Tot Ion: 63 Resp: 1338765

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

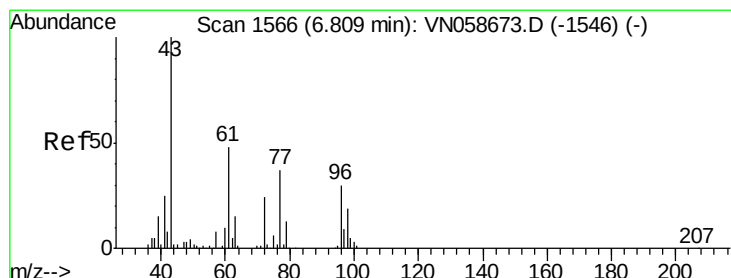
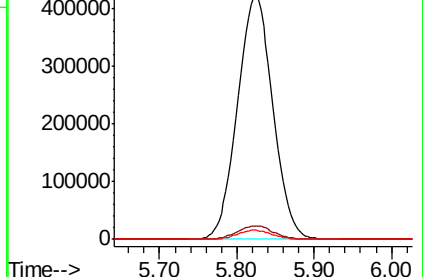
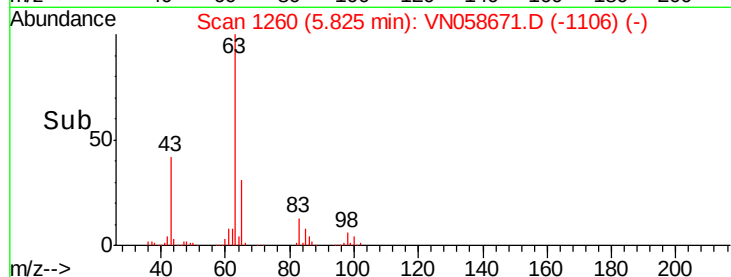
100 3.6 1.8 5.5



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

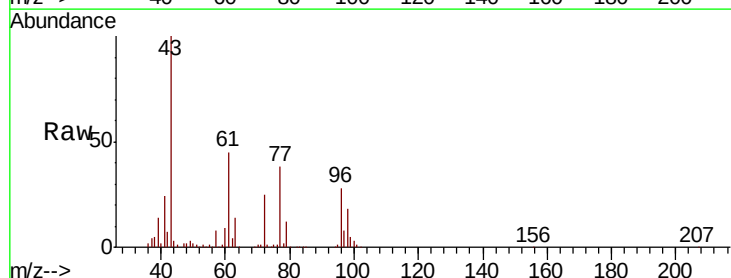
Tgt Ion: 96 Resp: 773675

Ion Ratio Lower Upper

96 100

61 161.3 127.2 190.8

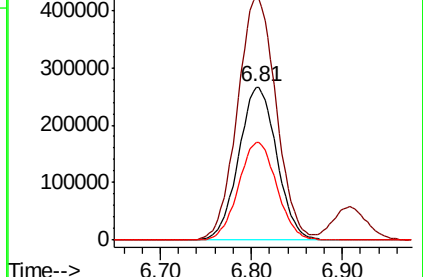
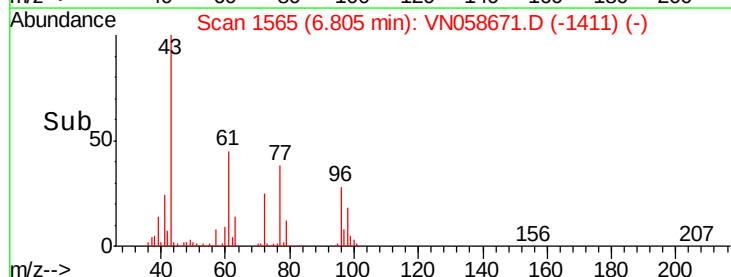
98 64.4 50.5 75.7

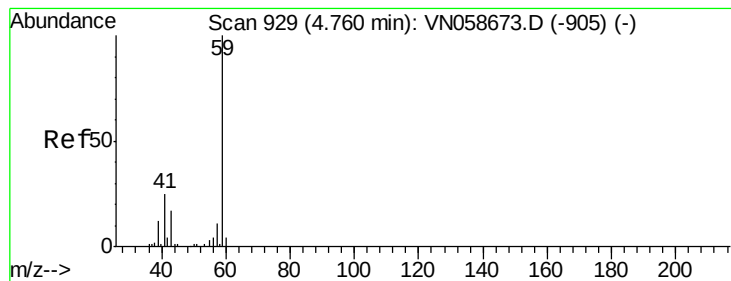


Abundance Ion 96.00 (95.70 to 96.70): VN058671.D (-1411) (-)

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

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



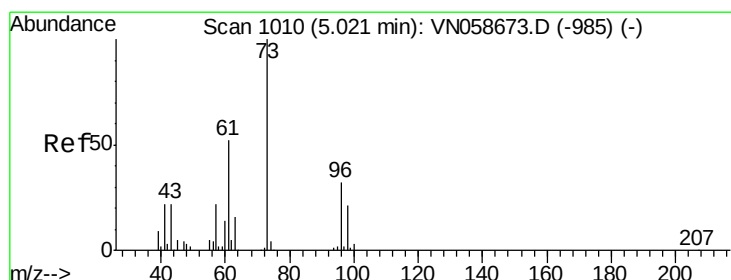
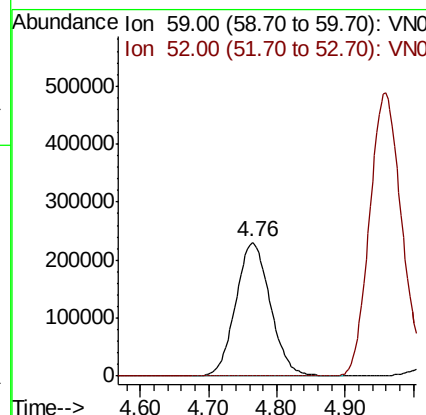
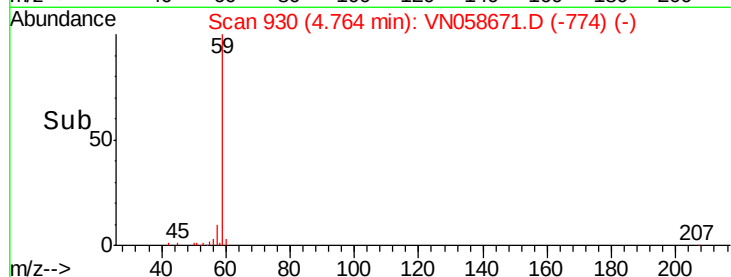
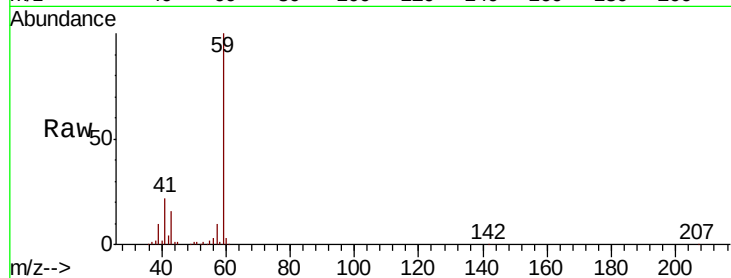


#23

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

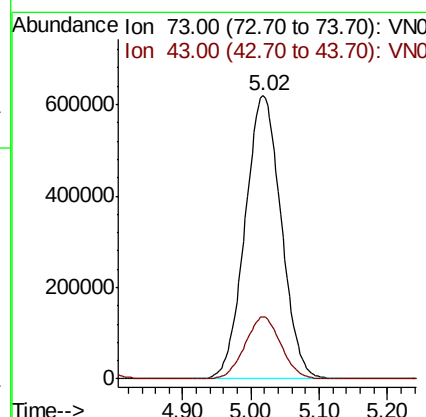
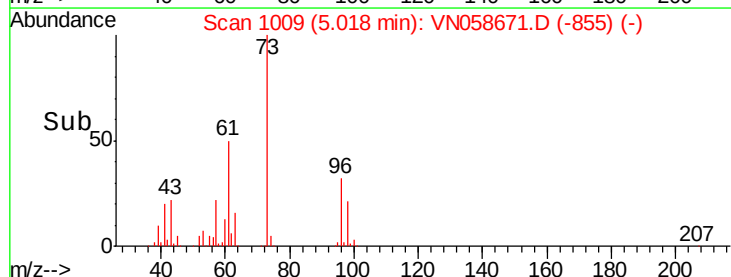
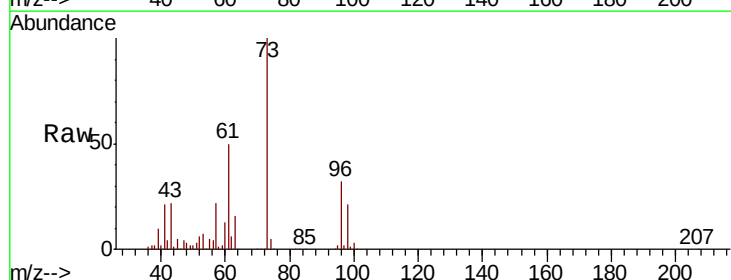
Tot Ion: 59 Resp: 813355
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0#

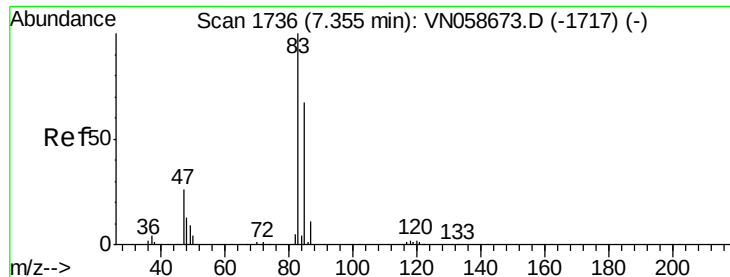


#24

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

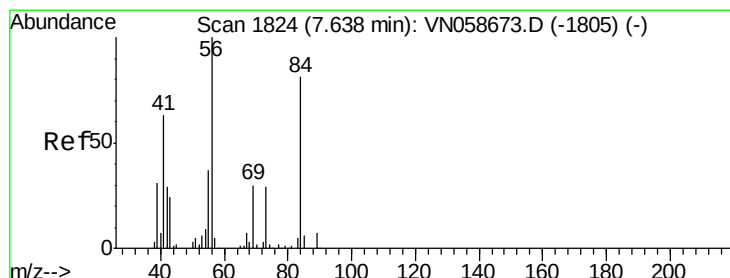
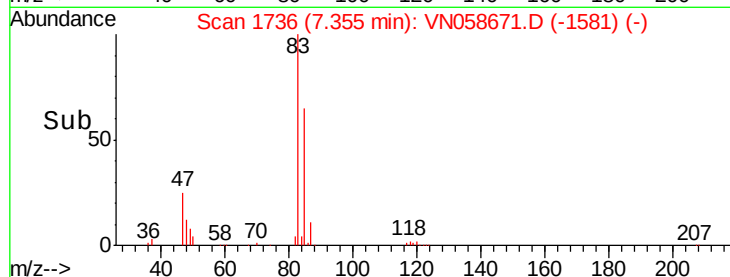
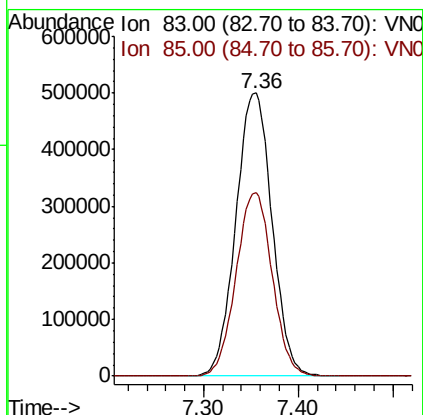
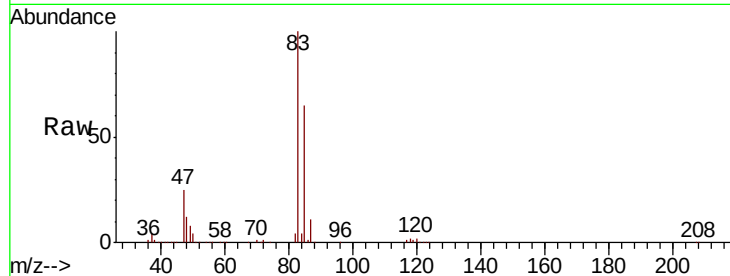




#25
Chloroform
Concen: 133.025 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

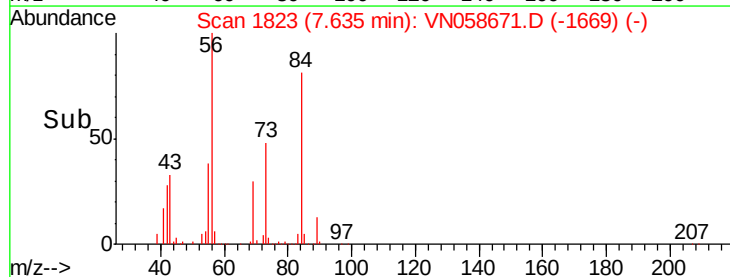
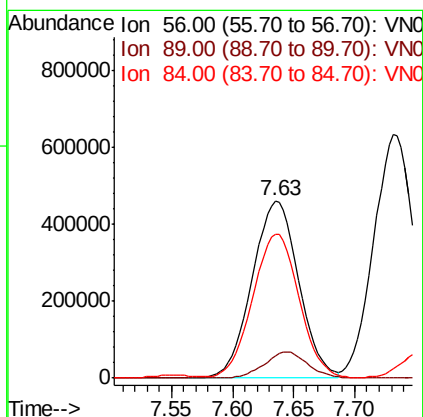
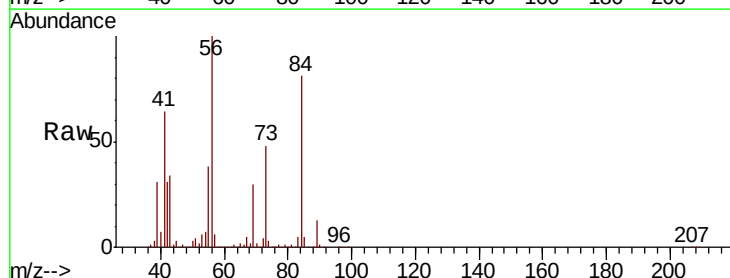
Instrument :
MSVOA_N
ClientSampled :
VSTDICC150

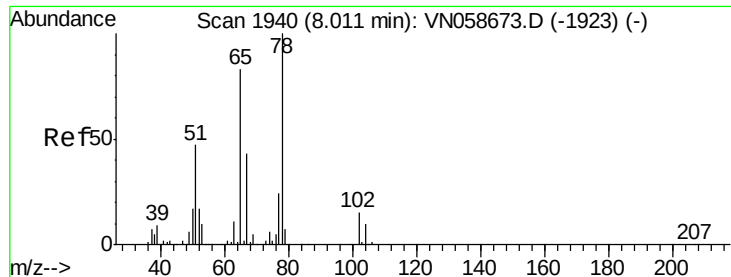
Tot Ion: 83 Resp: 1330658
Ion Ratio Lower Upper
83 100
85 64.6 53.8 80.8



#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

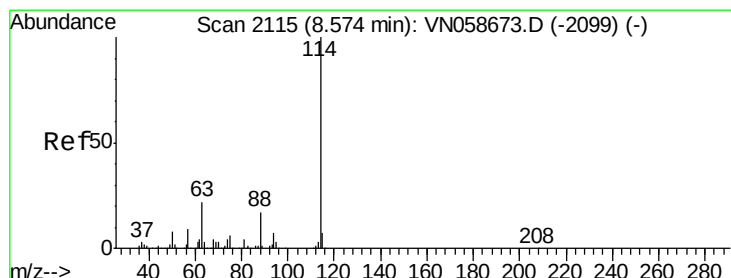
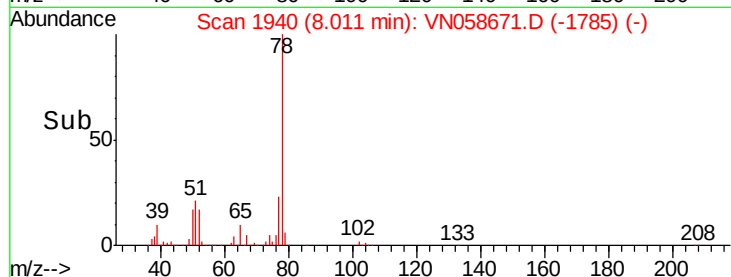
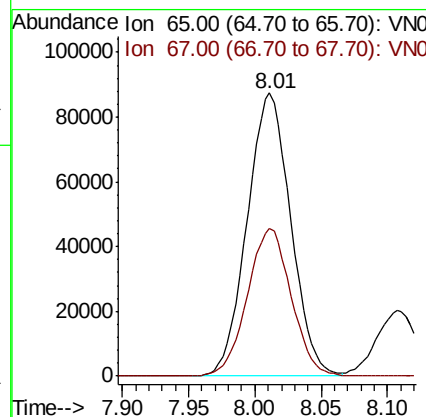
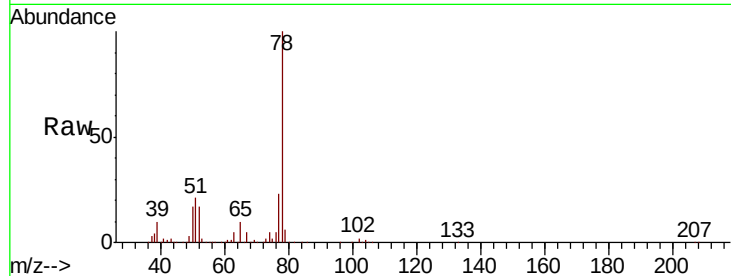




#27
 1,2-Dichloroethane-d4
 Concen: 28.216 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

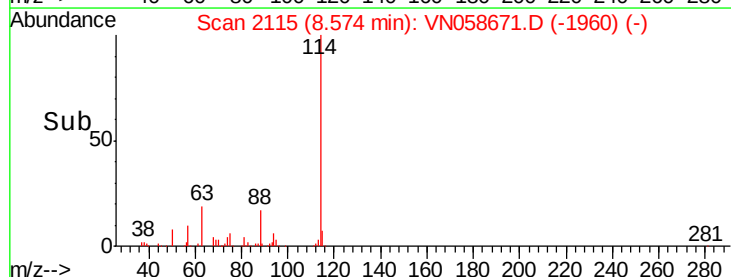
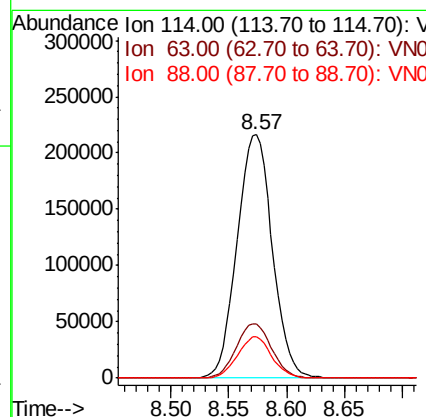
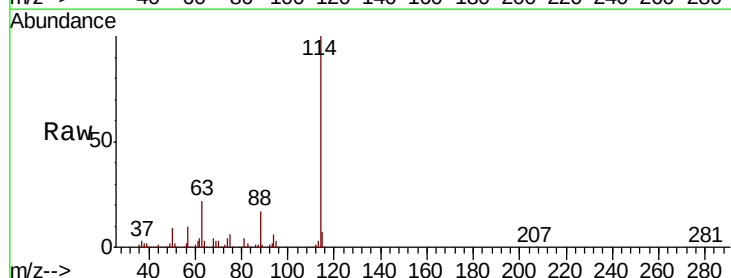
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

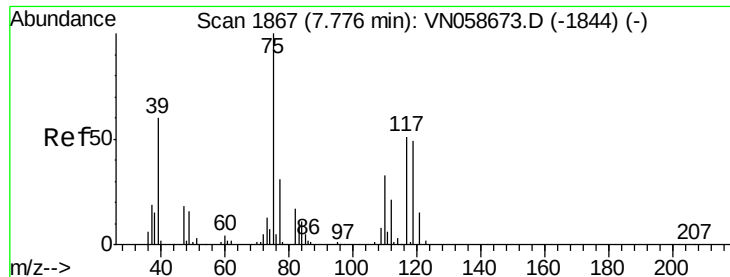
Tot Ion: 65 Resp: 200064
 Ion Ratio Lower Upper
 65 100
 67 52.4 41.5 62.3



#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

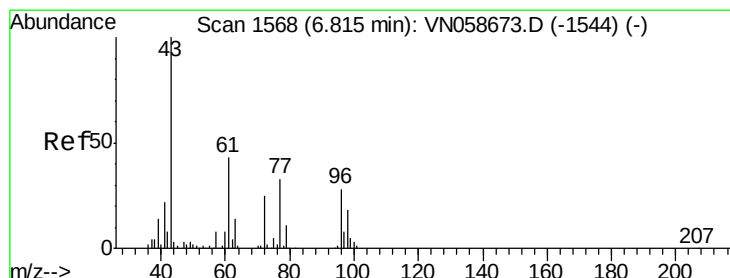
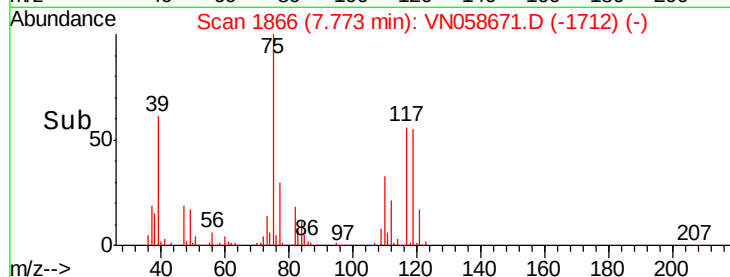
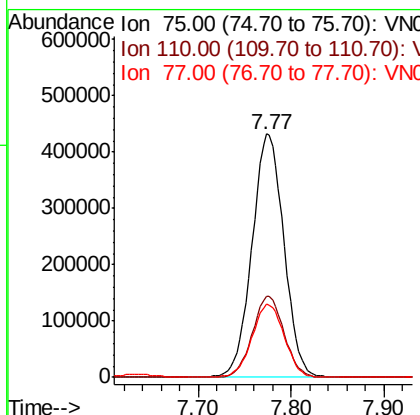
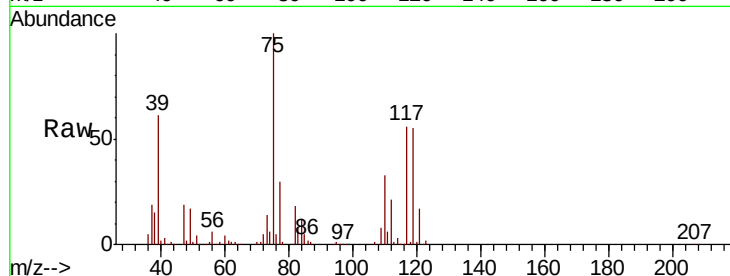




#29
 1,1-Dichloropropene
 Concen: 138.772 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

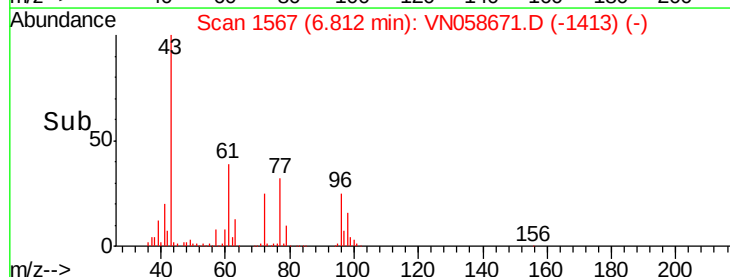
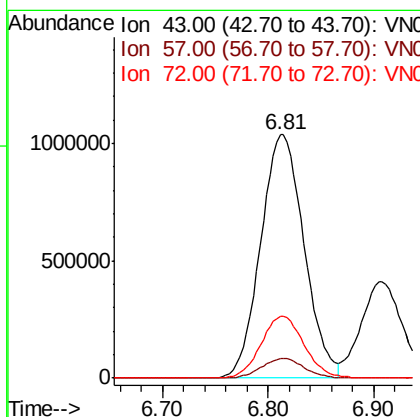
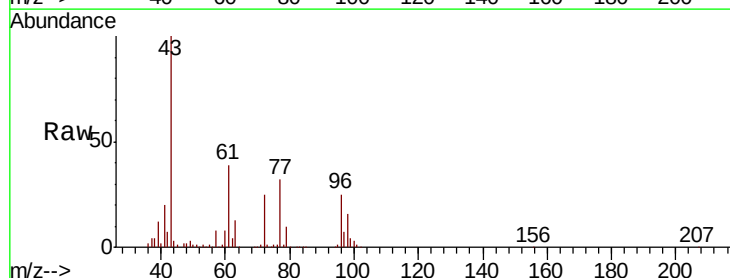
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

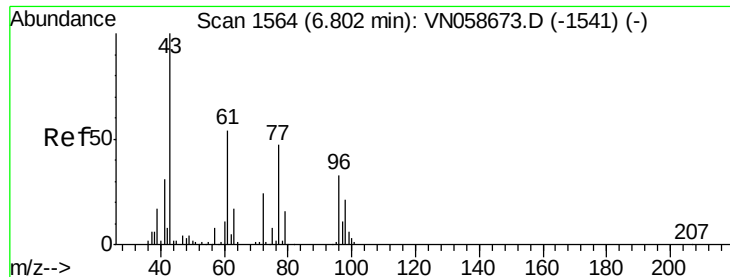
Tot Ion: 75 Resp: 1033789
 Ion Ratio Lower Upper
 75 100
 110 32.9 0.0 64.6
 77 30.5 0.0 60.8



#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

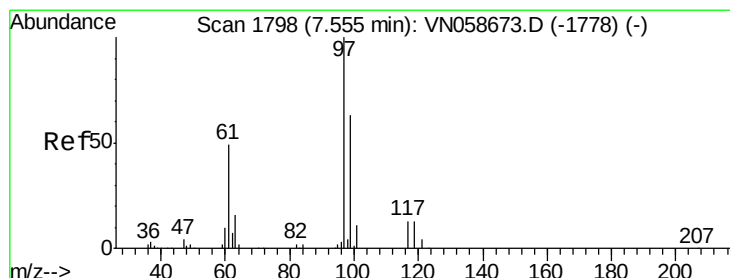
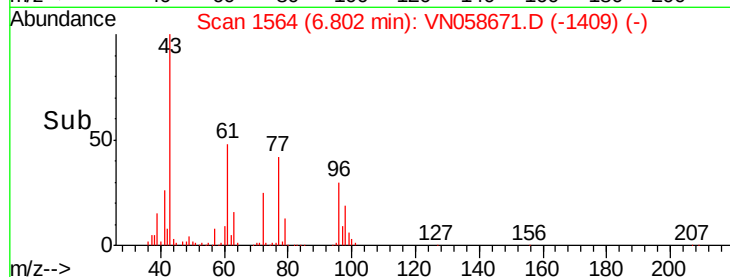
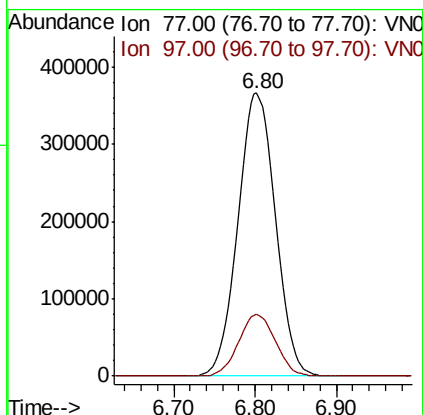
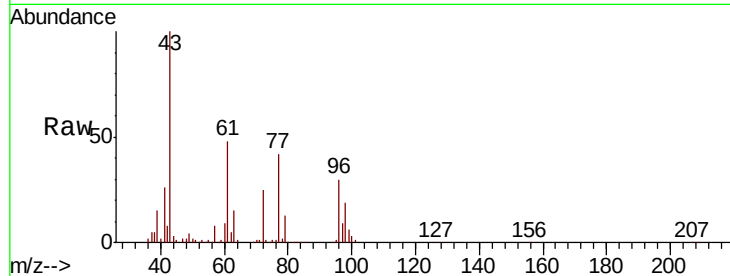




#31
 2,2-Dichloropropane
 Concen: 148.522 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

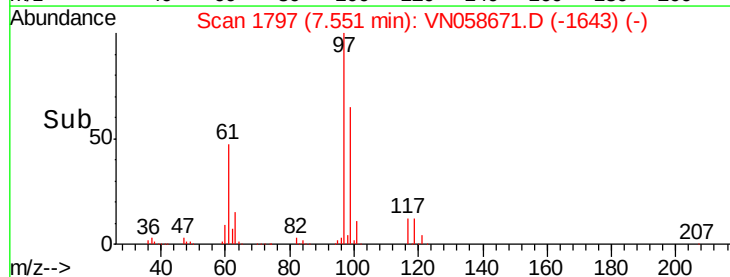
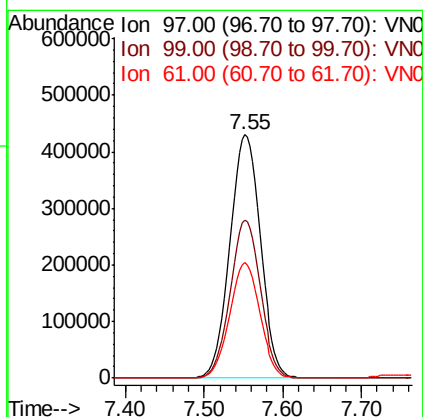
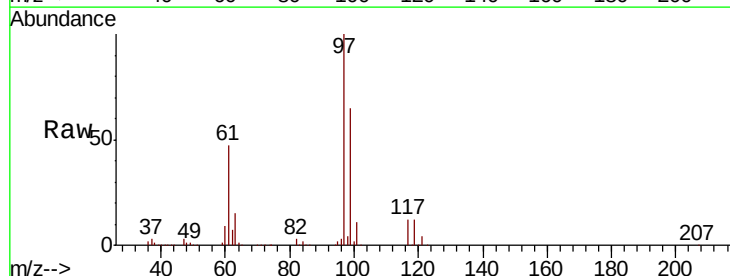
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

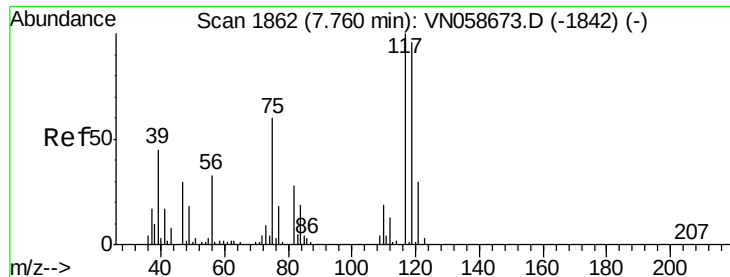
Tot Ion: 77 Resp: 1165092
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.9 26.9



#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

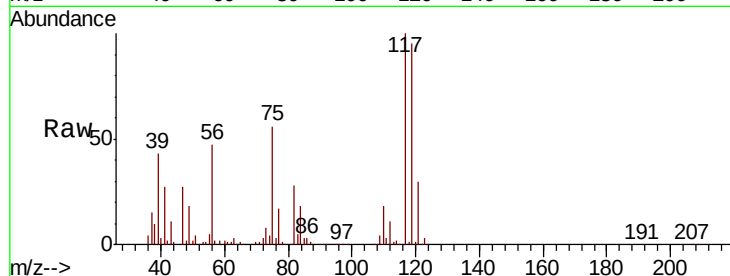




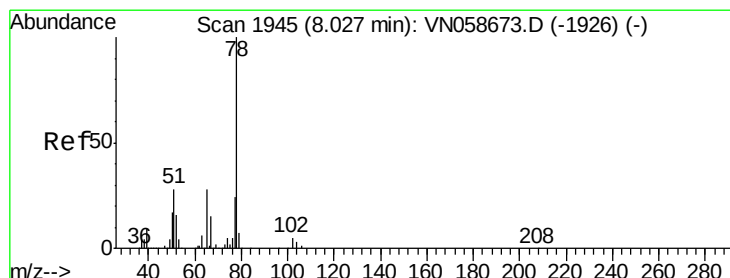
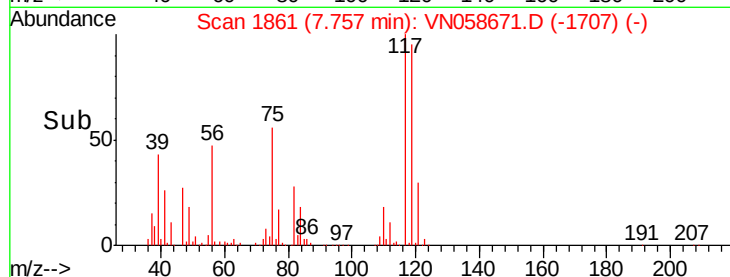
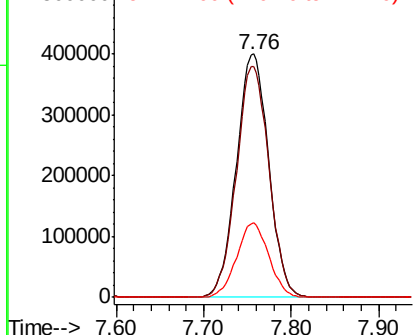
#33
Carbon Tetrachloride
Concen: 147.009 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :
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

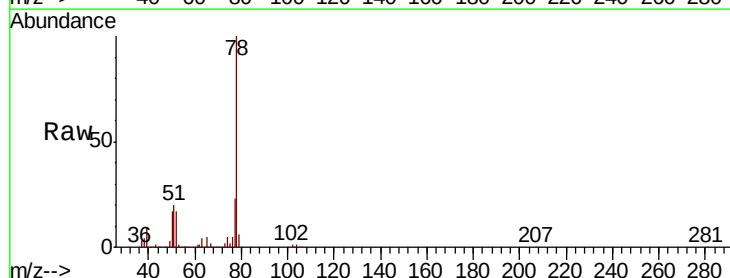


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

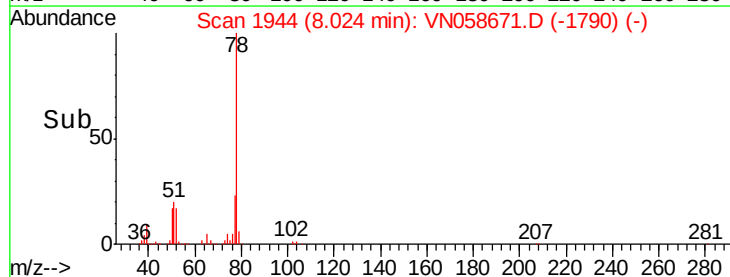
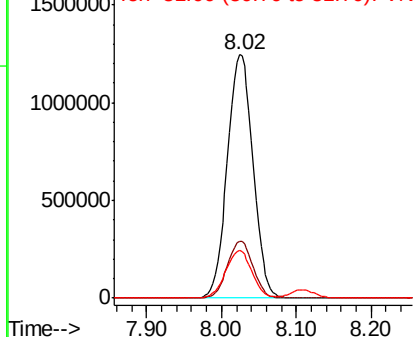


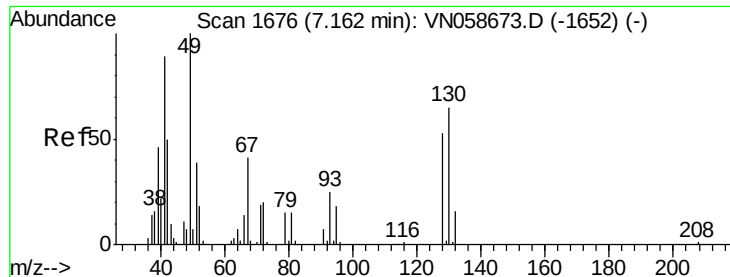
#34
Benzene
Concen: 139.553 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

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

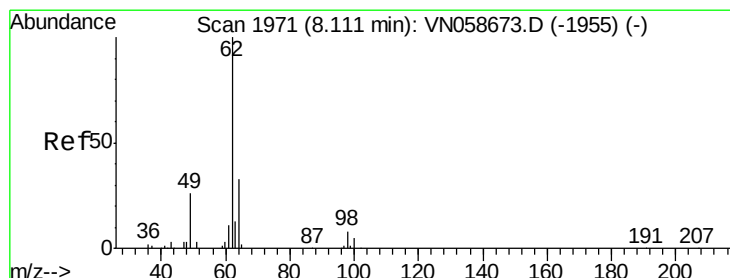
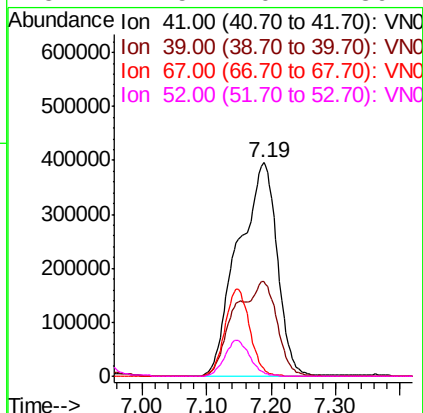
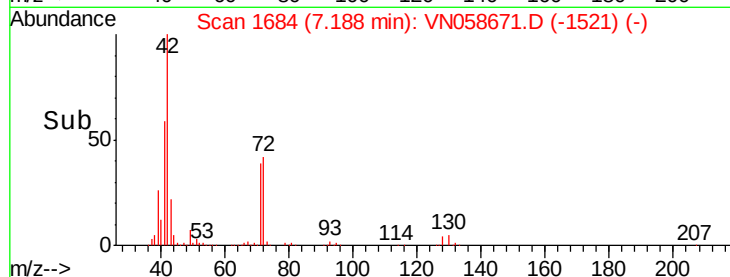
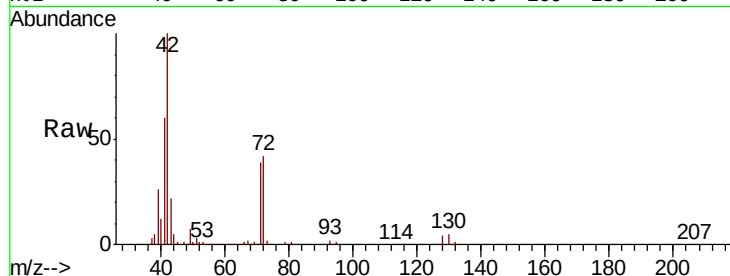




#35
Methacrylonitrile
Concen: 541.278 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

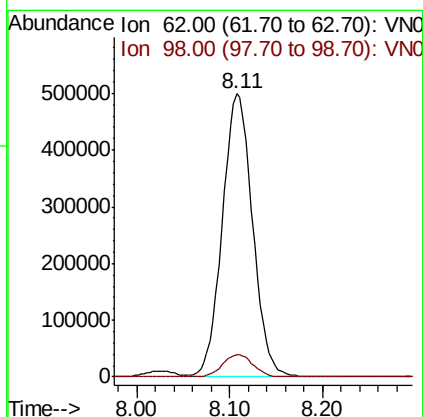
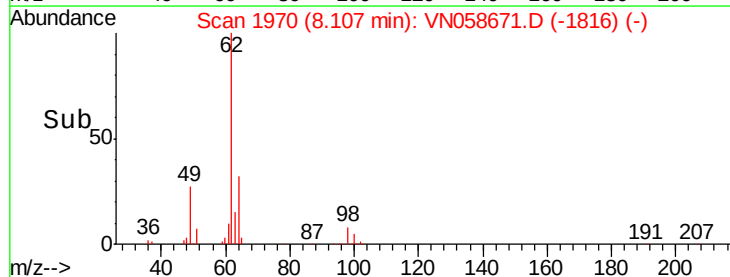
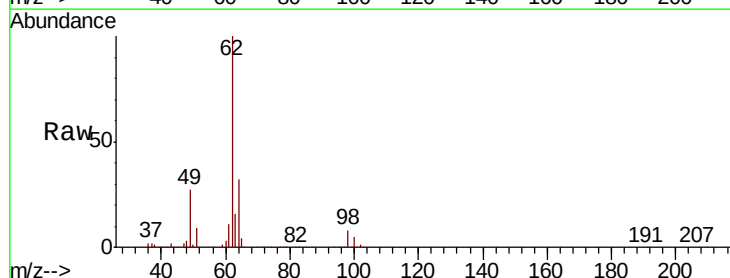
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

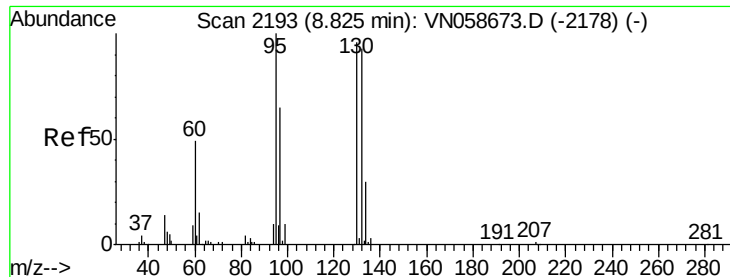
Tot Ion: 41 Resp: 1669481
Ion Ratio Lower Upper
41 100
39 44.2 25.8 77.4
67 3.6 23.0 69.0#
52 1.5 10.1 30.1#



#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





#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 :

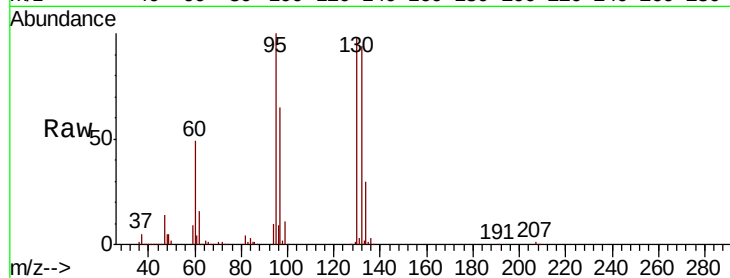
VSTDIC150

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): VN

8.82

400000

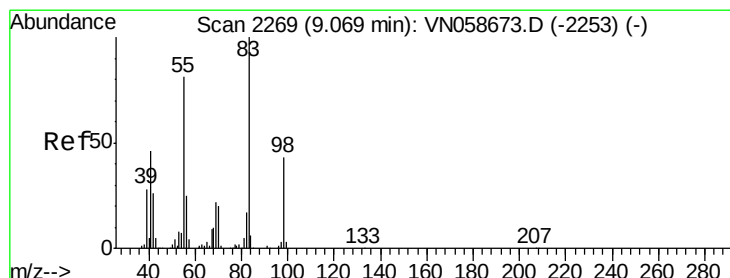
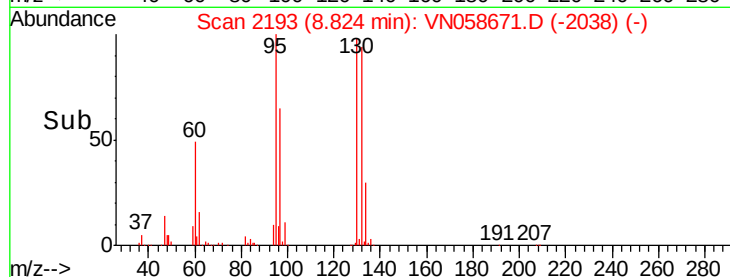
300000

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

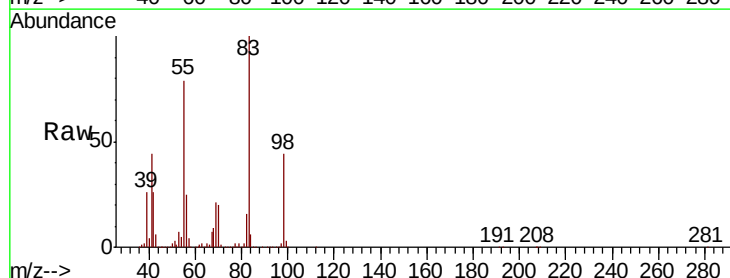
Tgt Ion: 83 Resp: 1231165

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): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

800000

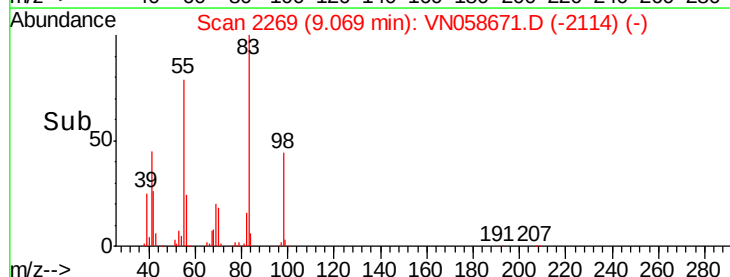
600000

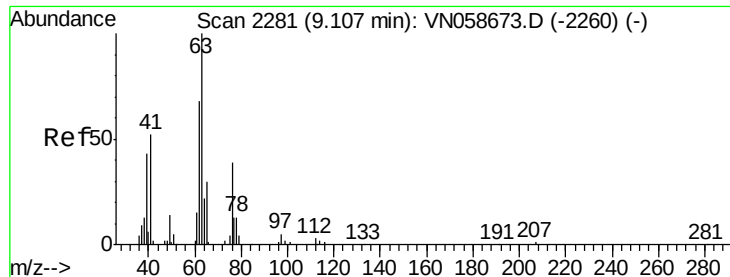
400000

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 :

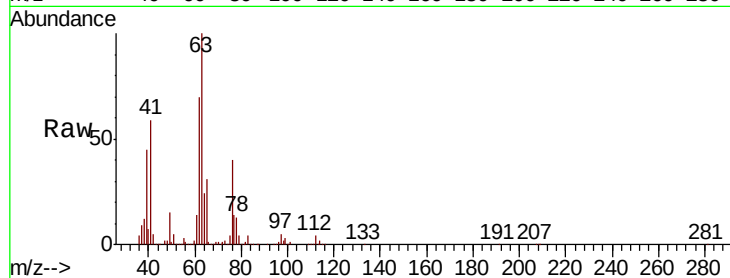
VSTDIC150

Tot Ion: 63 Resp: 812248

Ion Ratio Lower Upper

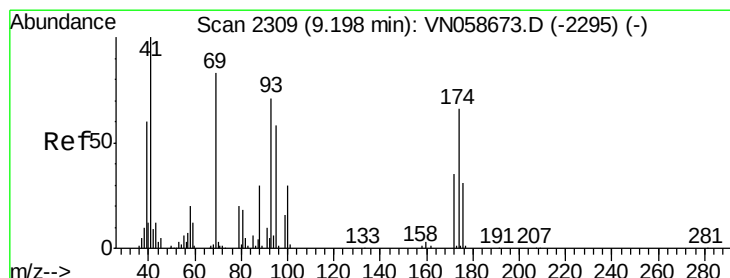
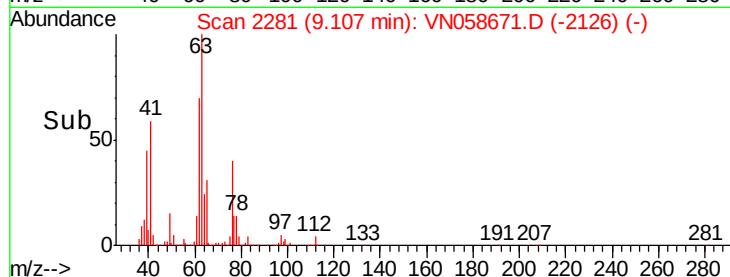
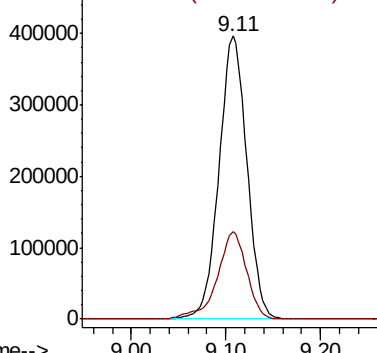
63 100

65 30.9 23.8 35.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#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

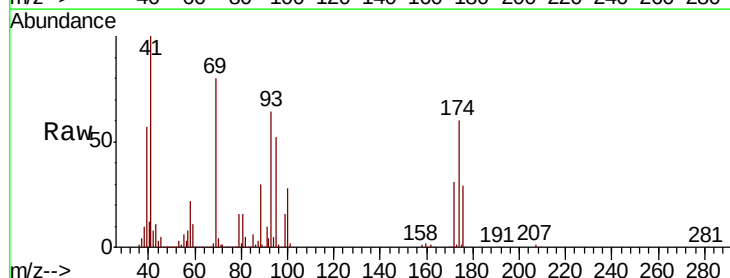
Tgt Ion: 93 Resp: 514675

Ion Ratio Lower Upper

93 100

95 83.1 0.0 167.6

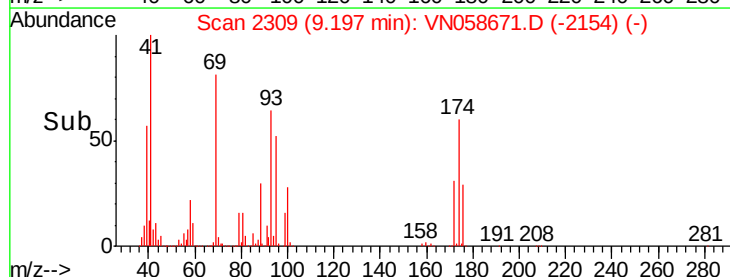
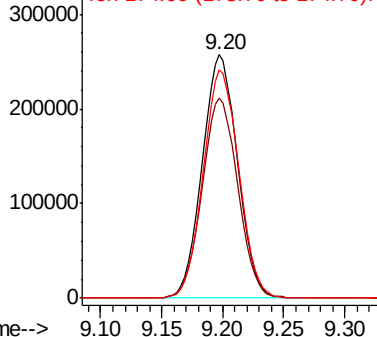
174 94.6 0.0 187.2

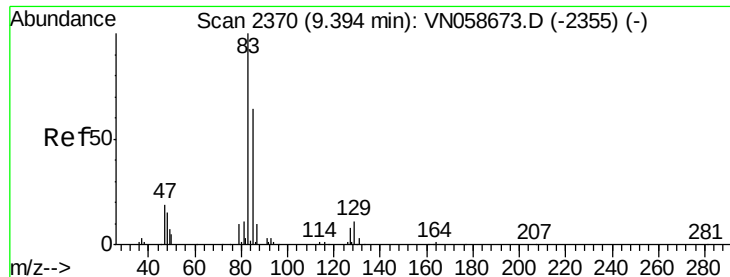


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 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

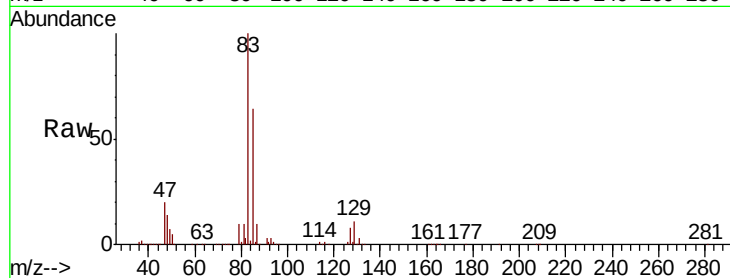
Tot Ion: 83 Resp: 1080702

Ion Ratio Lower Upper

83 100

85 64.2 51.0 76.4

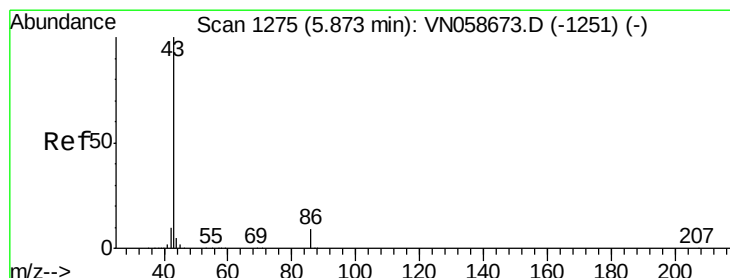
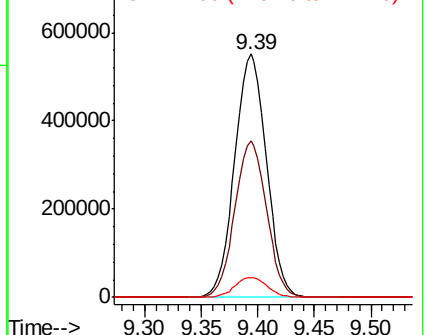
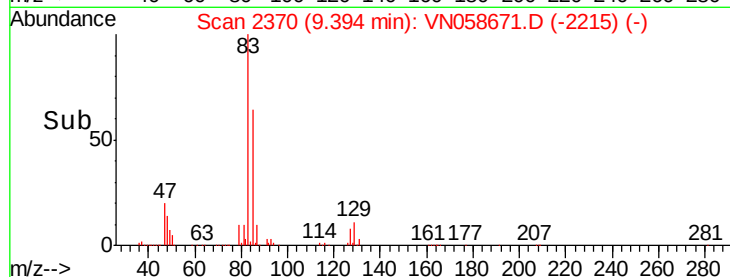
127 8.1 6.6 9.8



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): V



#42

Vinyl Acetate

Concen: 703.219 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058671.D

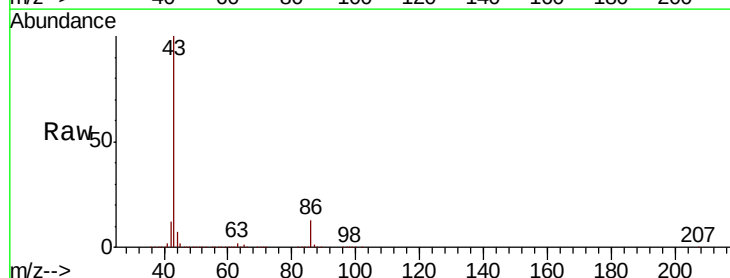
Acq: 10 Oct 2019 17:50

Tgt Ion: 43 Resp: 9276328

Ion Ratio Lower Upper

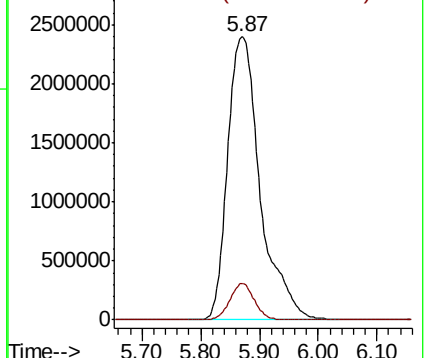
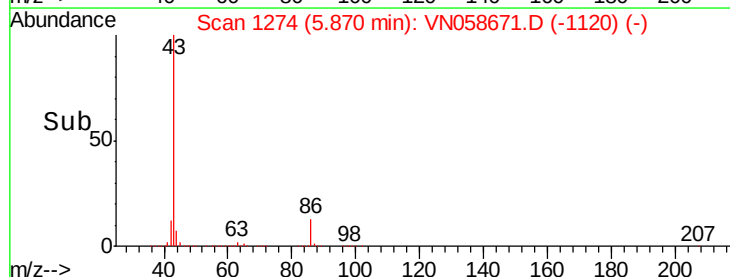
43 100

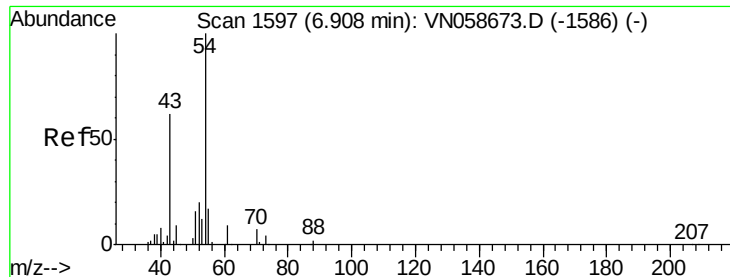
86 9.7 6.5 9.7#



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 :

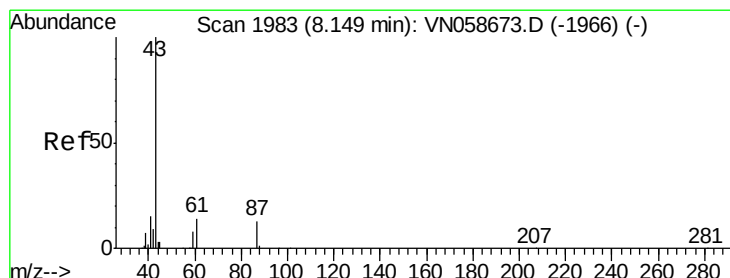
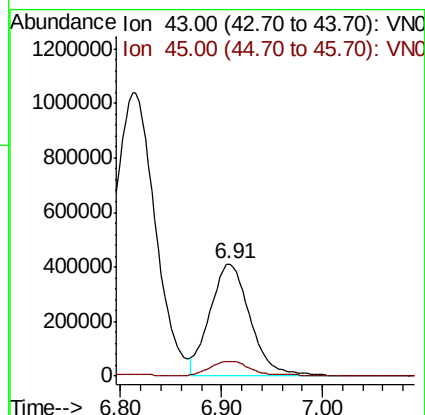
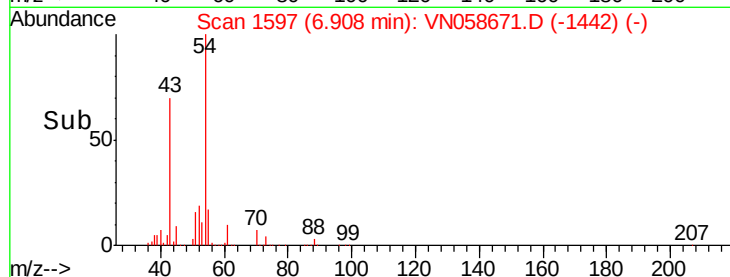
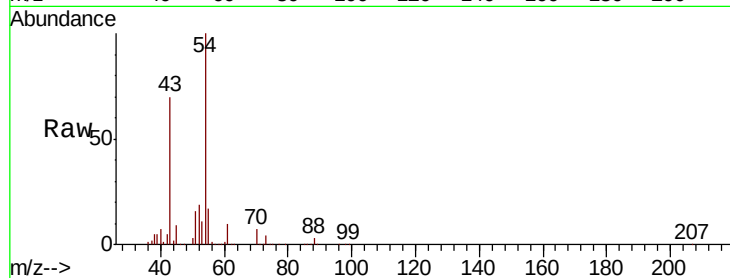
VSTDIC150

Tot Ion: 43 Resp: 1129304

Ion Ratio Lower Upper

43 100

45 14.4 9.7 14.5



#44

Isopropyl Acetate

Concen: 156.467 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058671.D

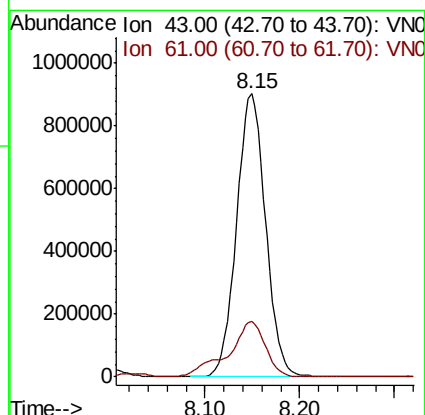
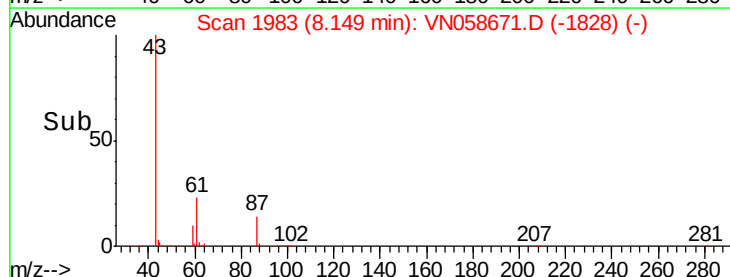
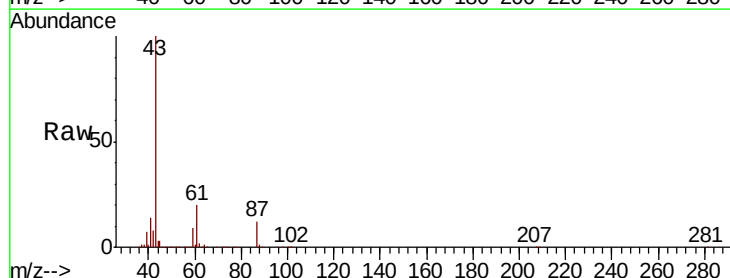
Acq: 10 Oct 2019 17:50

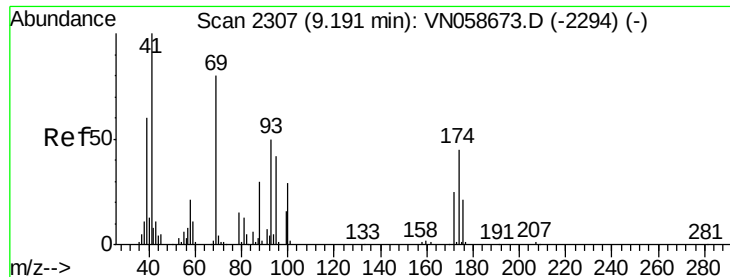
Tgt Ion: 43 Resp: 1920799

Ion Ratio Lower Upper

43 100

61 25.2 19.9 29.9



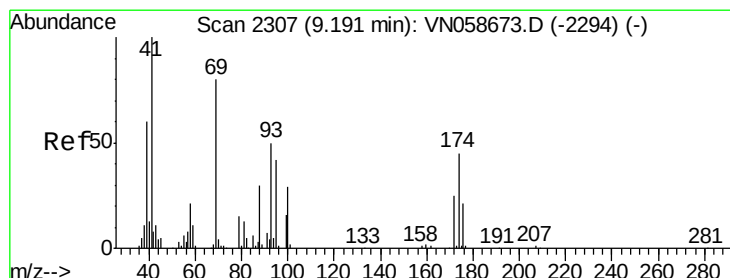
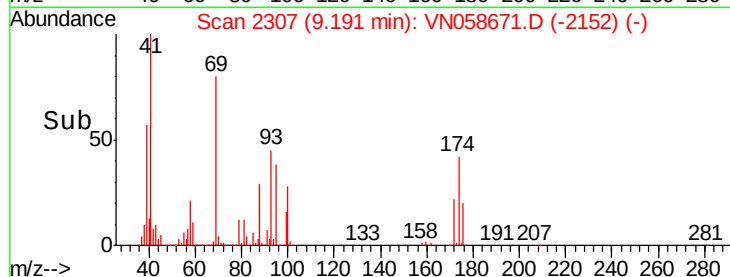
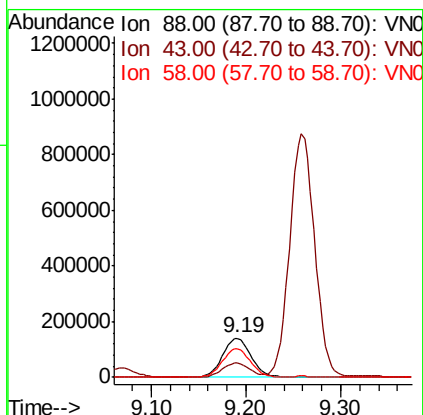
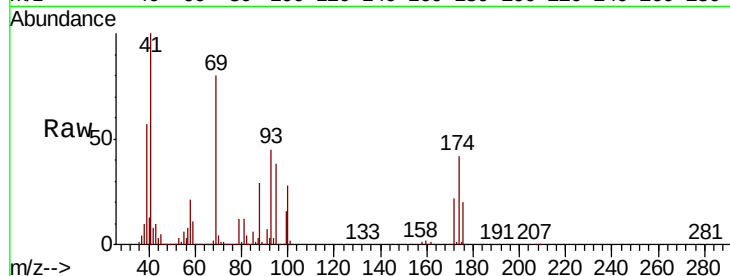


#45
 1,4-Dioxane
 Concen: 2966.741 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 88 Resp: 298564

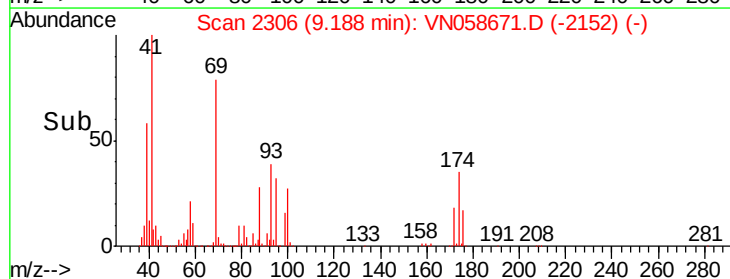
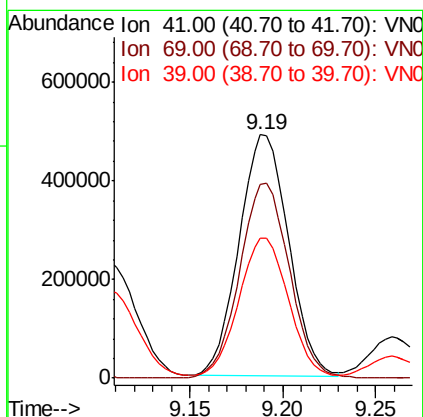
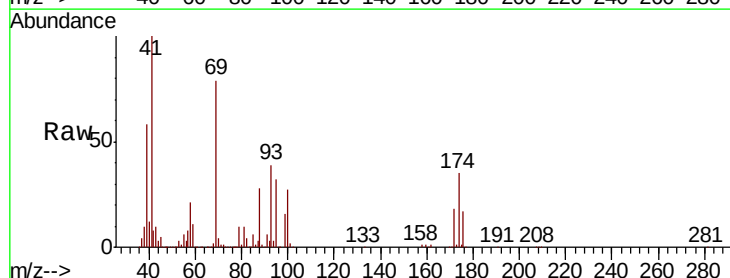
Ion	Ratio	Lower	Upper
88	100		
43	34.6	29.8	44.8
58	72.0	58.2	87.4

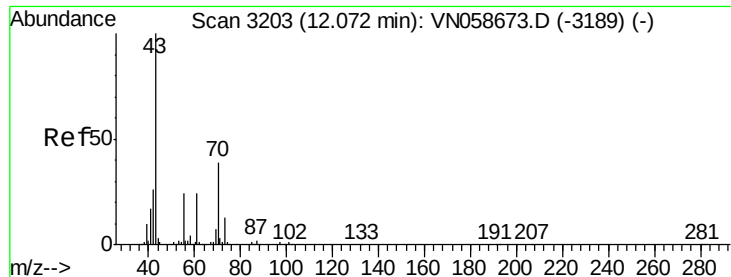


#46
 Methyl methacrylate
 Concen: 157.228 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Tgt Ion: 41 Resp: 909667

Ion	Ratio	Lower	Upper
41	100		
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

ClientSampleId :

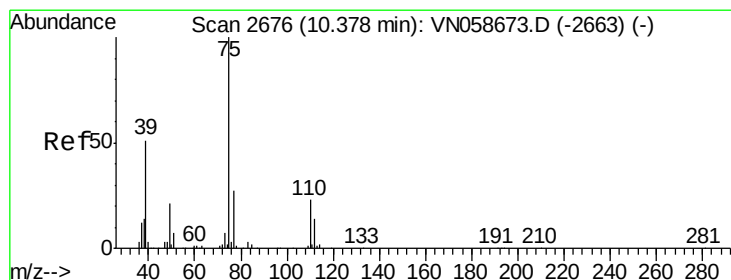
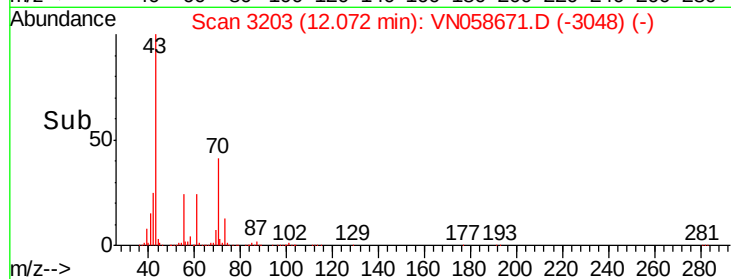
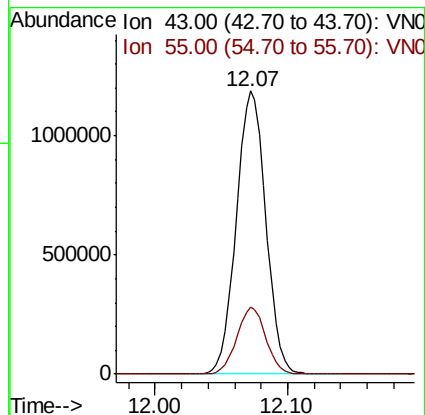
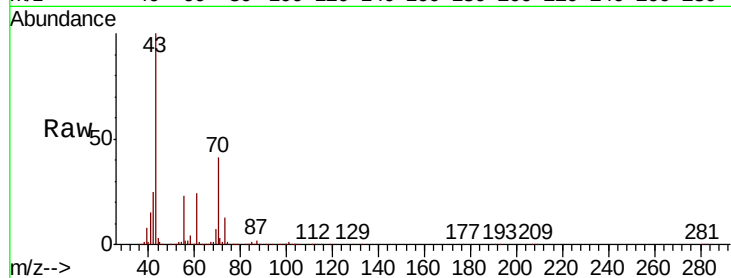
VSTDIC150

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

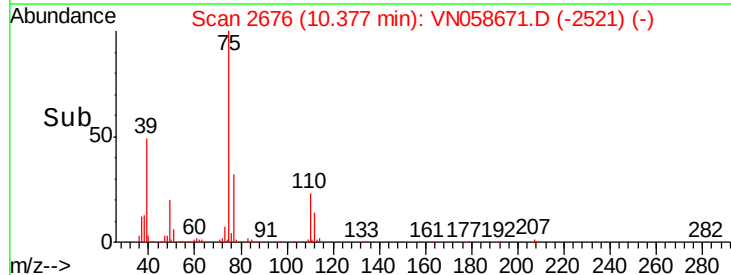
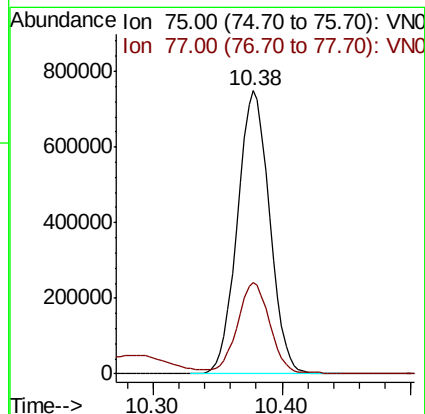
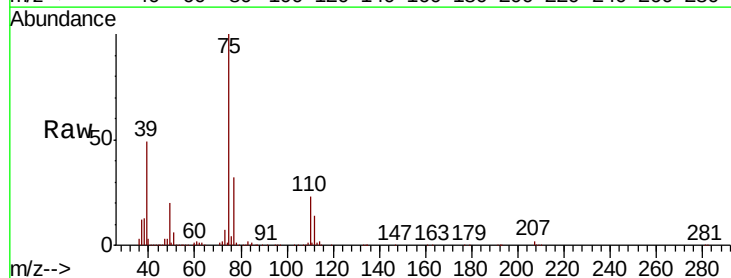
Acq: 10 Oct 2019 17:50

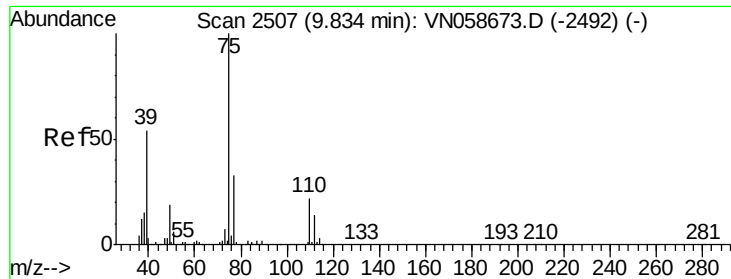
Tgt Ion: 75 Resp: 1294600

Ion Ratio Lower Upper

75 100

77 32.1 27.0 40.4



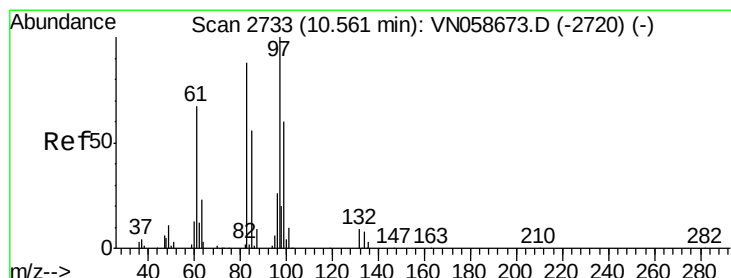
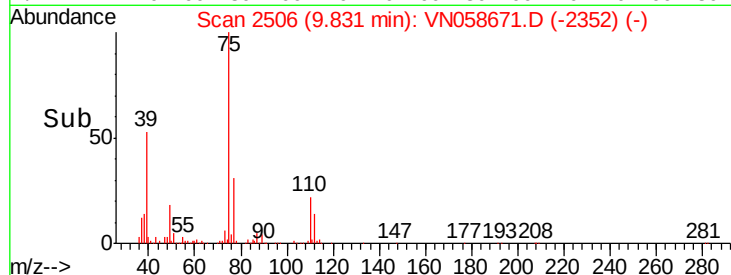
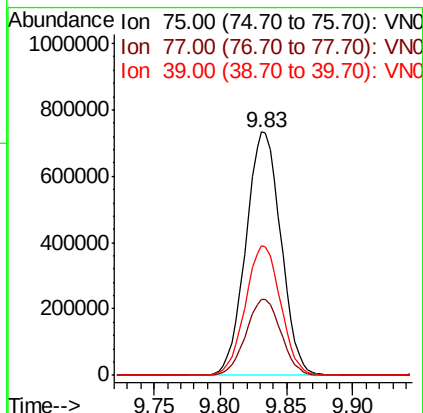
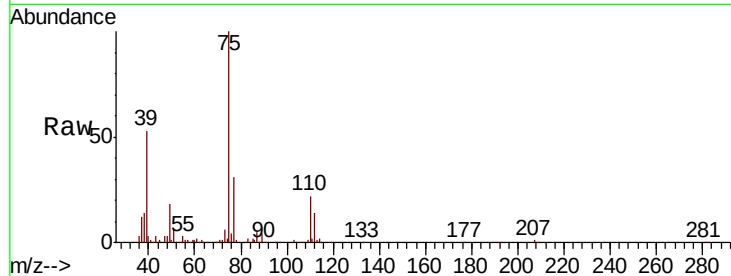


#49

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

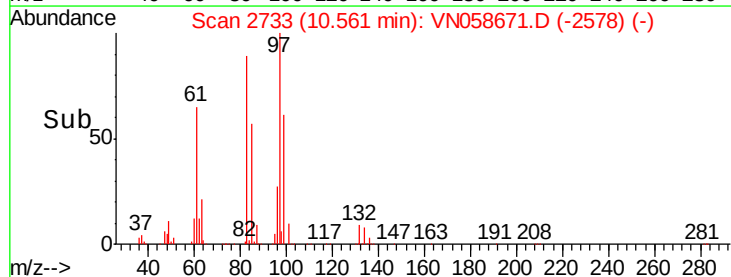
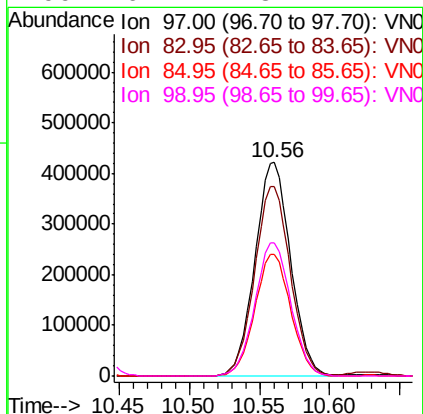
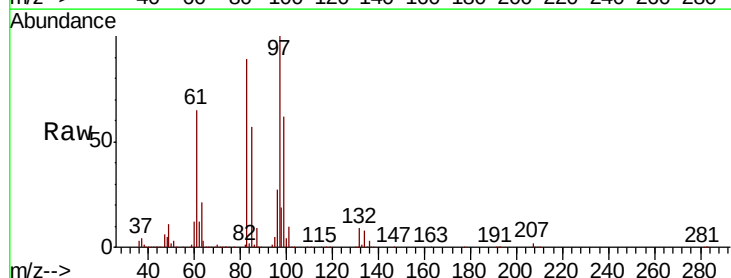
Tot Ion: 75 Resp: 1350339
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.1 39.1
 39 53.1 43.1 64.7

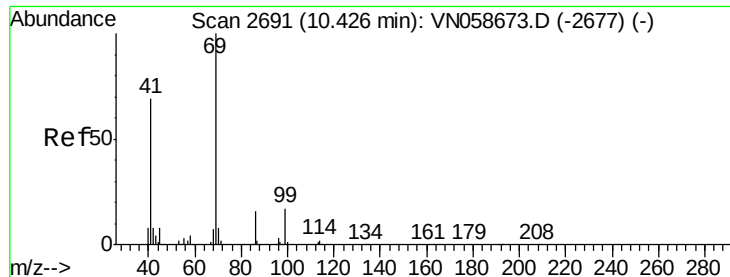


#50

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 :

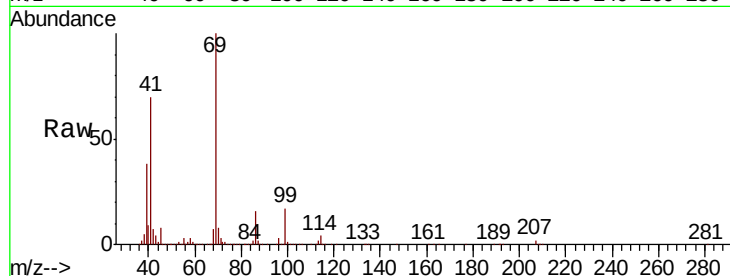
MSVOA_N

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

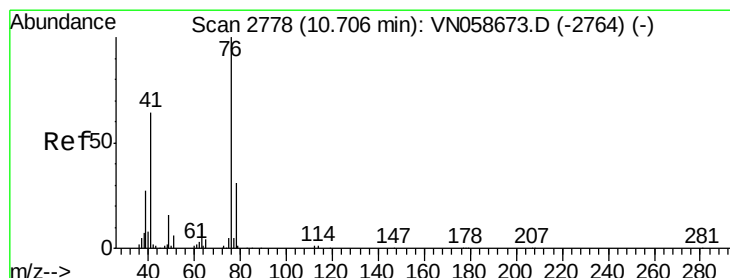
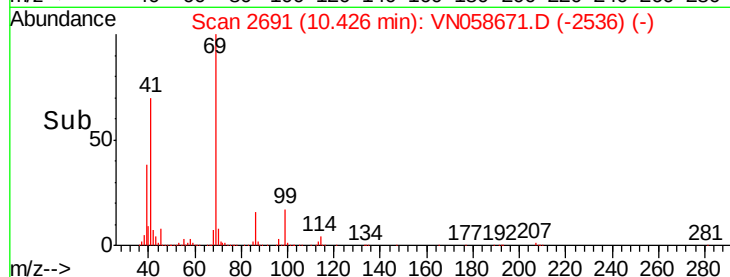
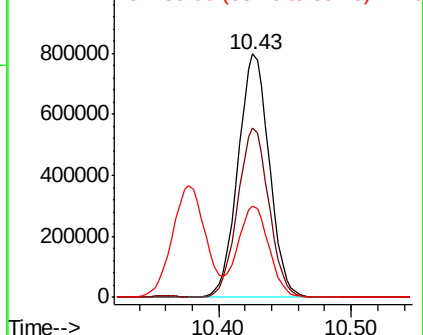


Abundance

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

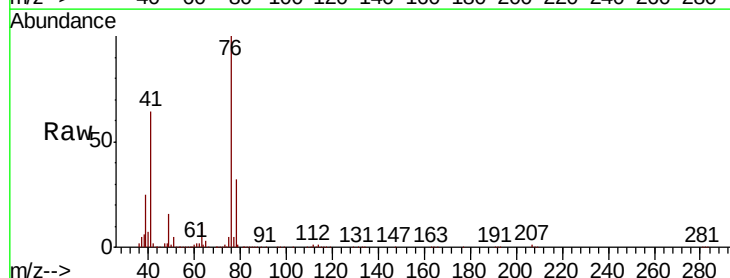
Delta R.T. -0.00 min

Lab File: VN058671.D

Acq: 10 Oct 2019 17:50

Tgt Ion: 76 Resp: 1329574

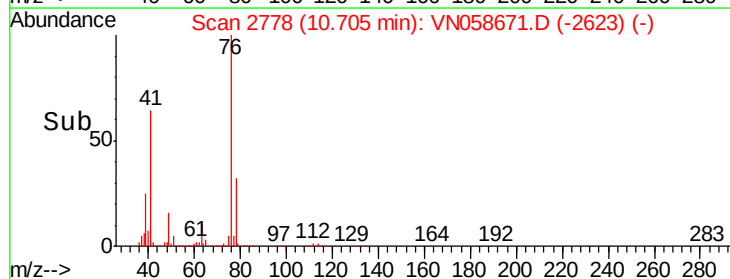
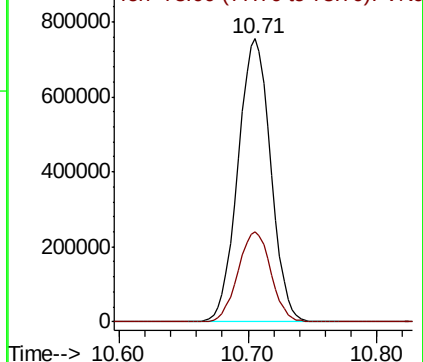
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	63.2

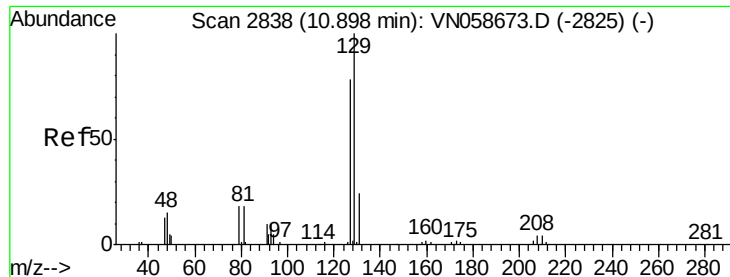


Abundance

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 :

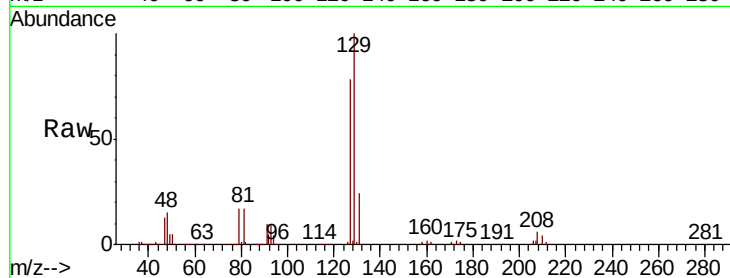
VSTDIC150

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

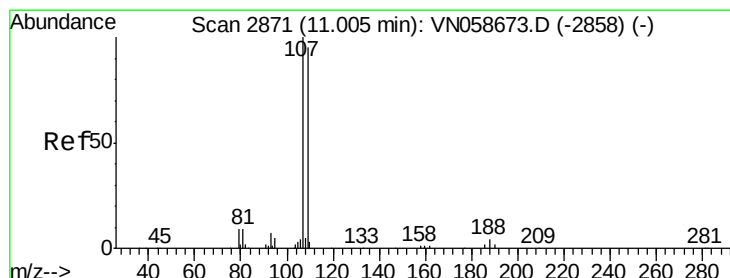
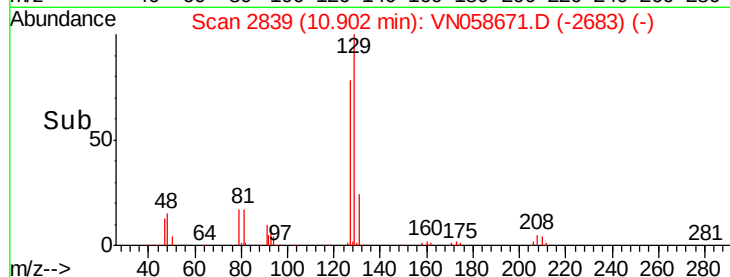
300000

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

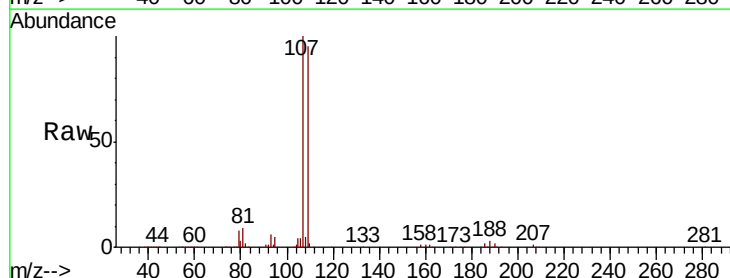
Acq: 10 Oct 2019 17:50

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

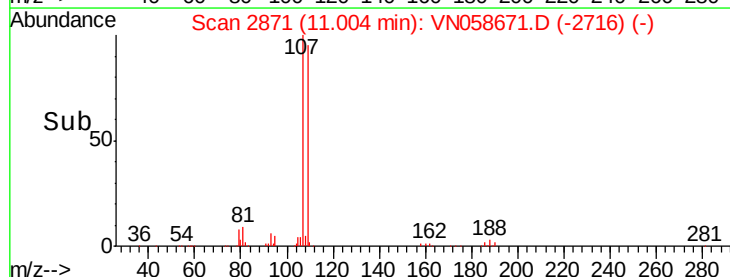
300000

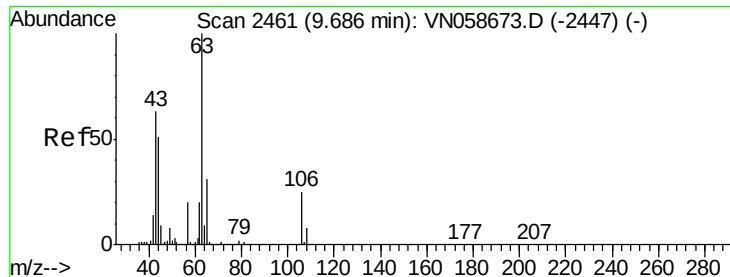
200000

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

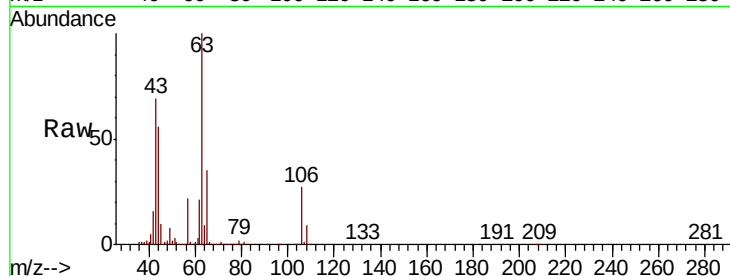
Tot Ion: 63 Resp: 3252816

Ion Ratio Lower Upper

63 100

65 33.7 25.3 37.9

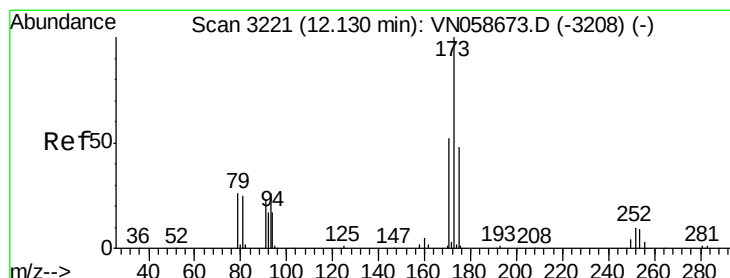
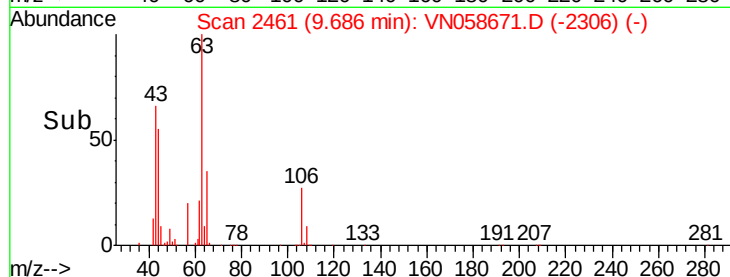
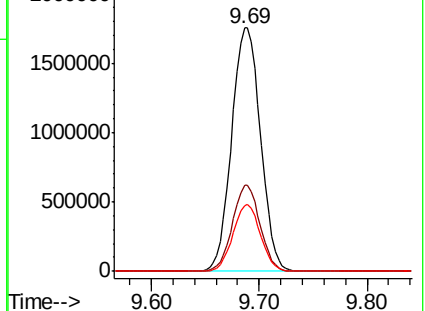
106 26.2 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN058671.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058671.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058671.D (-2447) (-)



#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

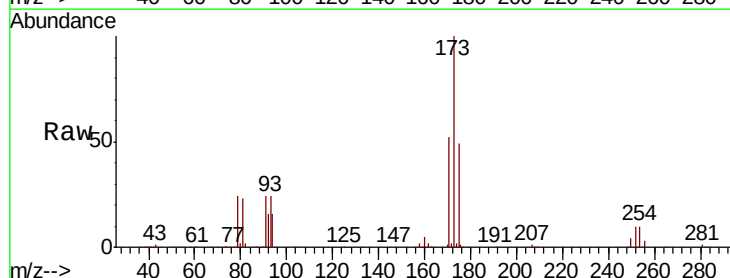
Tgt Ion: 173 Resp: 621661

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

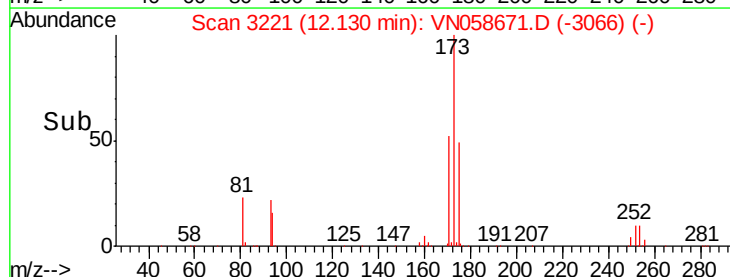
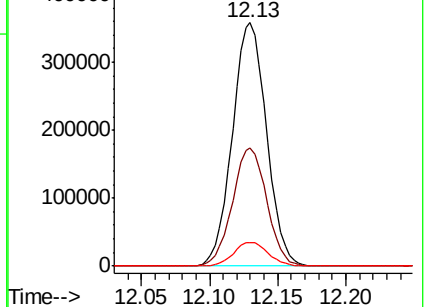
254 9.9 7.4 11.2

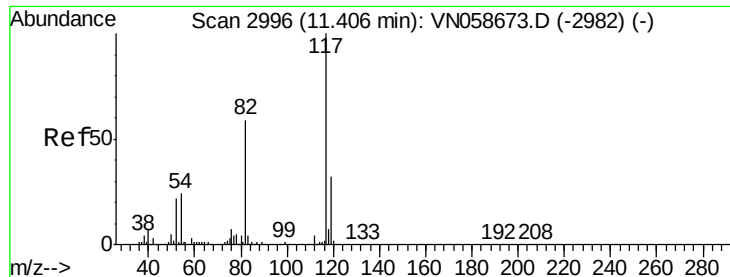


Abundance Ion 173.00 (172.70 to 173.70): VN058671.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058671.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058671.D (-3208) (-)

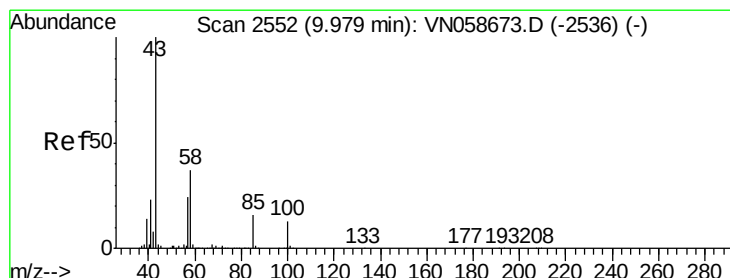
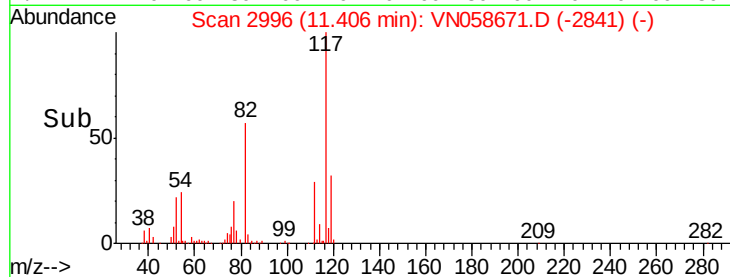
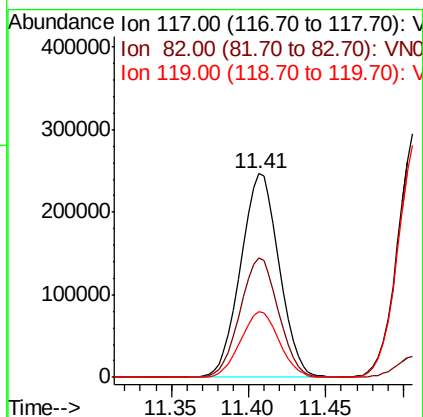
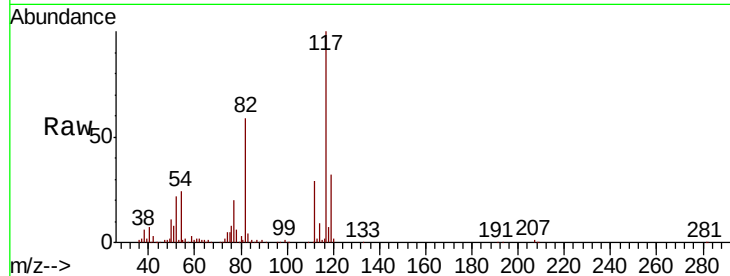




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

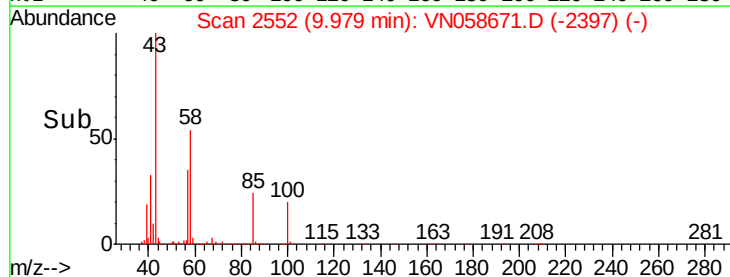
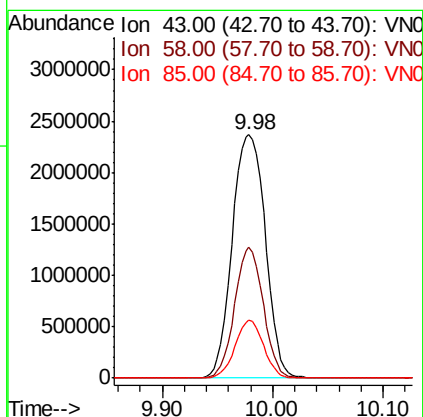
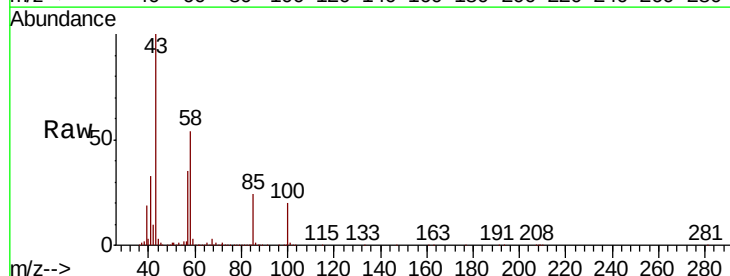
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

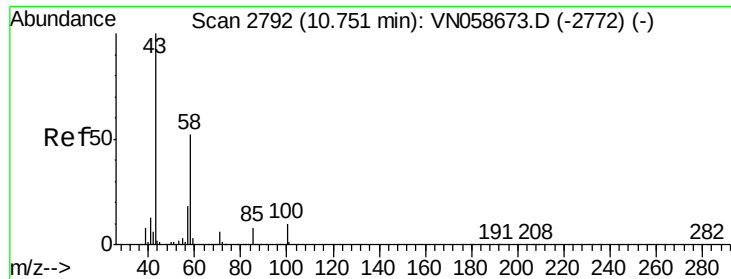
Tot Ion:117 Resp: 427255
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 32.5 25.8 38.6



#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#

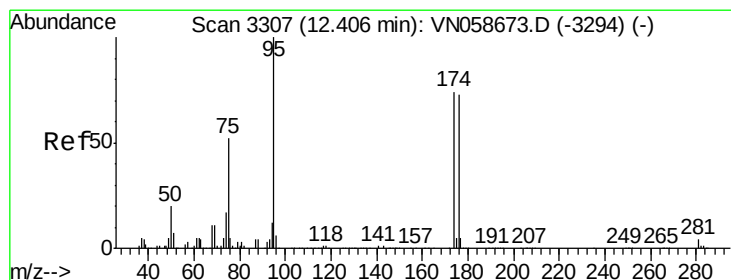
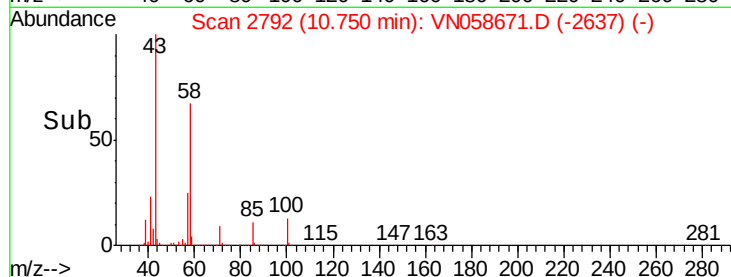
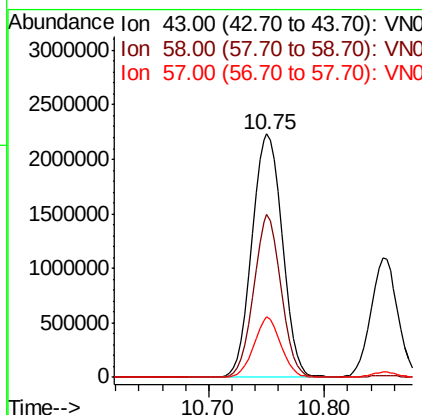
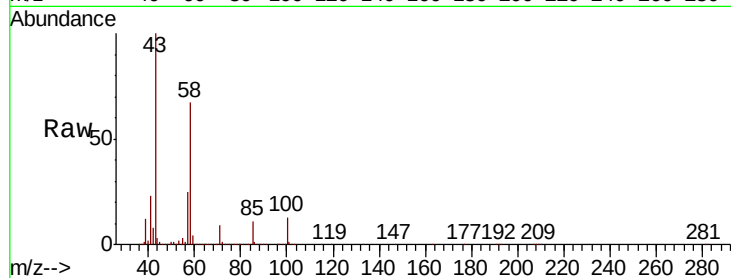




#59
2-Hexanone
Concen: 772.535 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

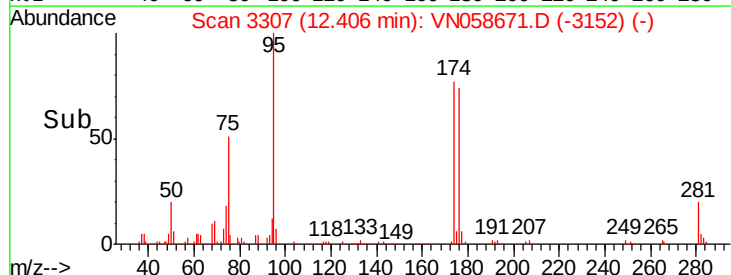
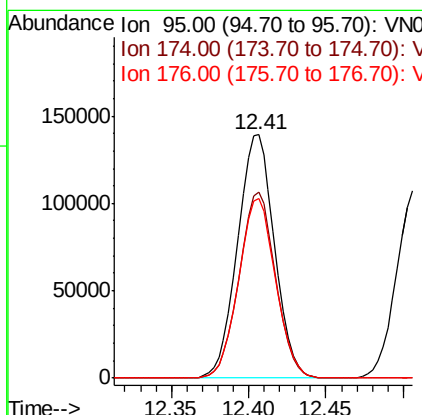
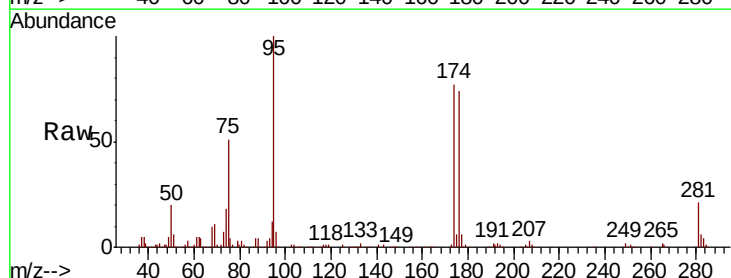
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

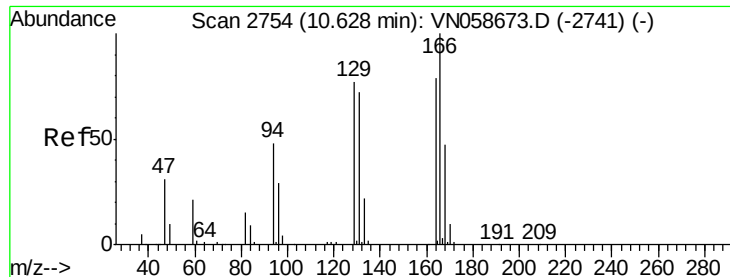
Tot Ion: 43 Resp: 4081967
Ion Ratio Lower Upper
43 100
58 60.5 41.4 62.0
57 21.9 14.7 22.1



#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

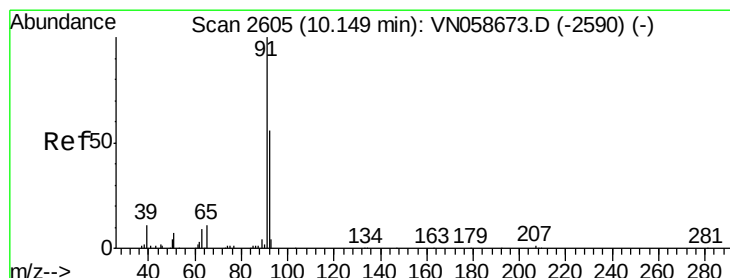
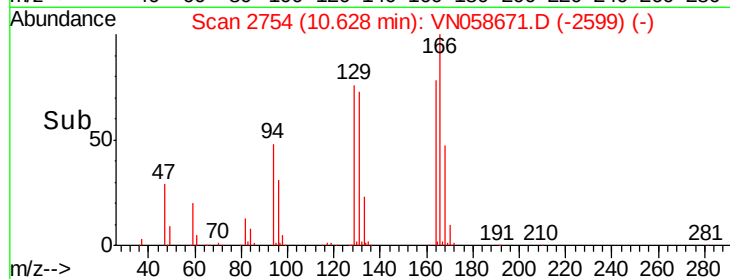
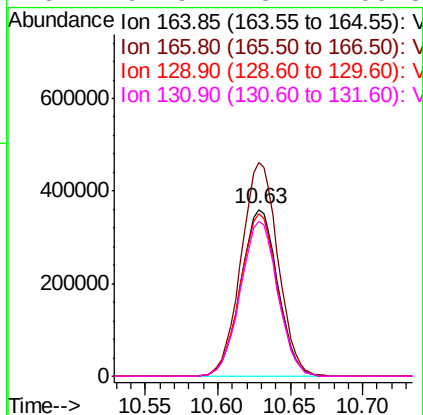
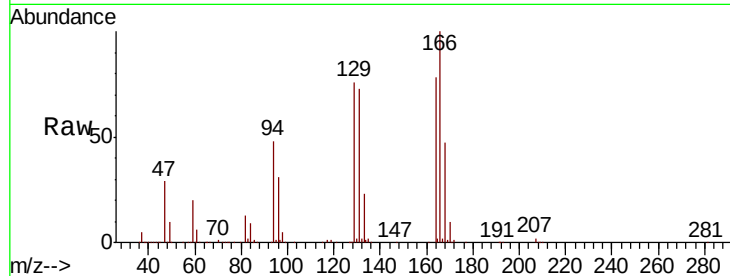




#61
Tetrachloroethene
Concen: 139.693 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

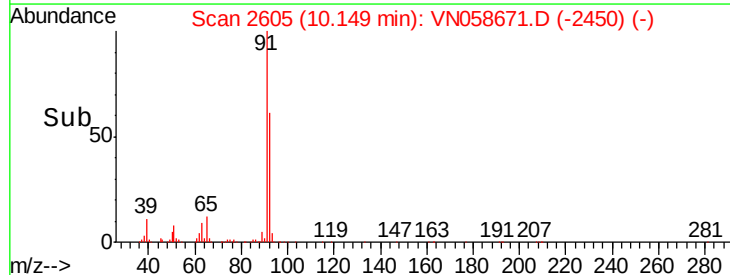
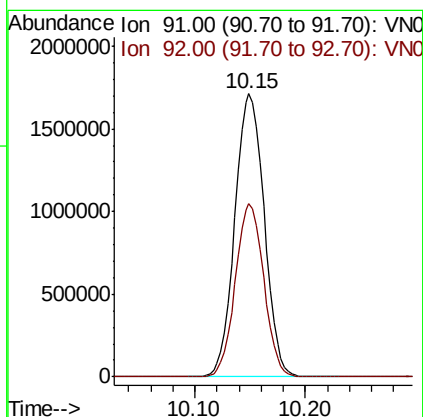
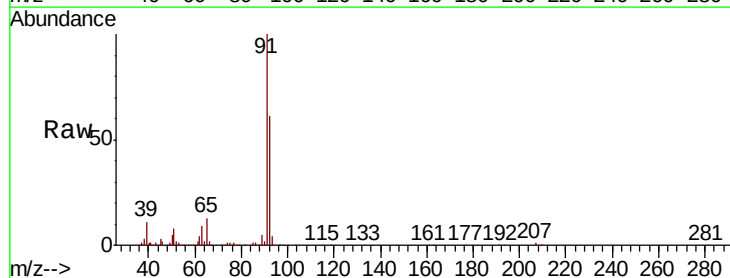
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

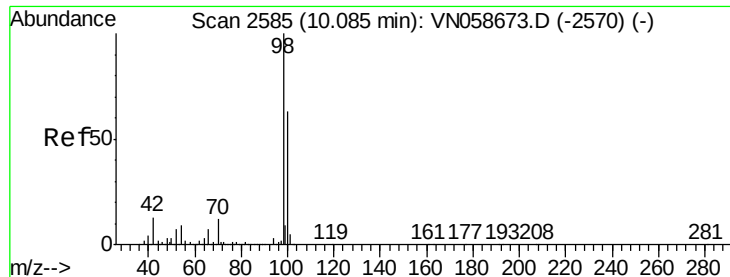
Tot Ion:164 Resp: 639112
Ion Ratio Lower Upper
164 100
166 127.9 101.4 152.2
129 97.4 78.1 117.1
131 92.9 73.2 109.8



#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 :

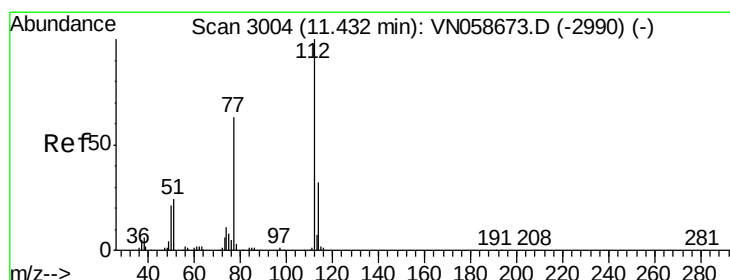
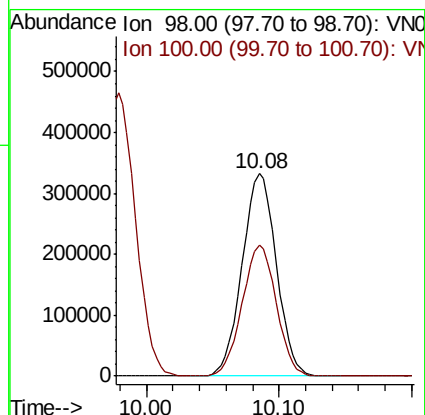
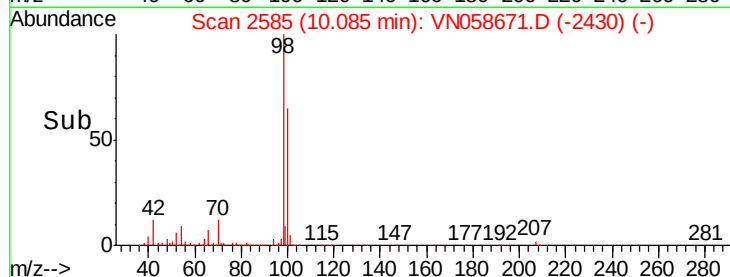
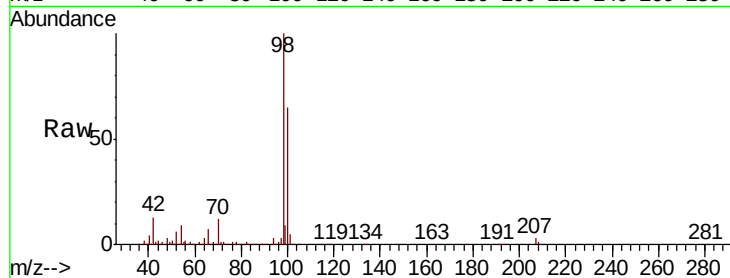
VSTDIC150

Tot Ion: 98 Resp: 597826

Ion Ratio Lower Upper

98 100

100 64.3 50.6 75.8



#64

Chlorobenzene

Concen: 138.751 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058671.D

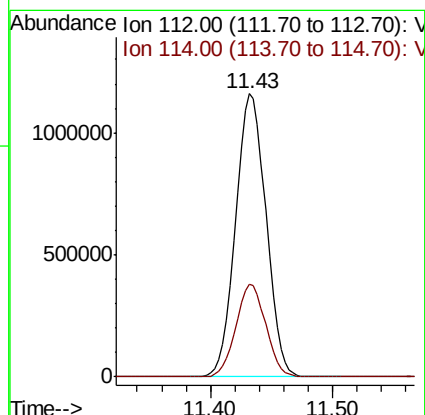
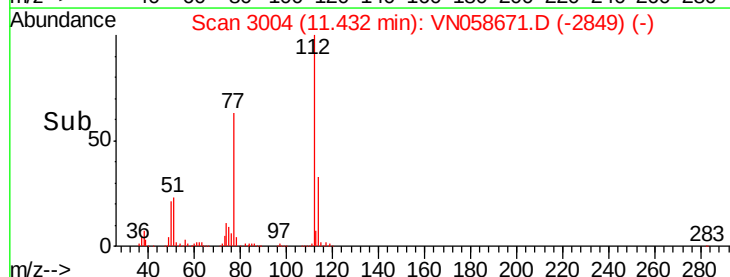
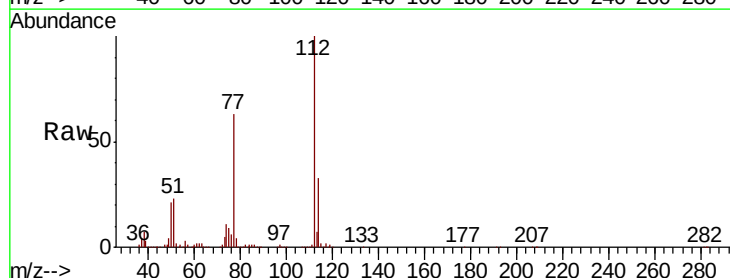
Acq: 10 Oct 2019 17:50

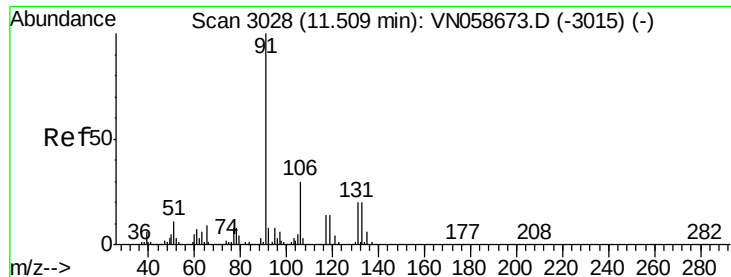
Tgt Ion: 112 Resp: 2003459

Ion Ratio Lower Upper

112 100

114 32.8 25.7 38.5





#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

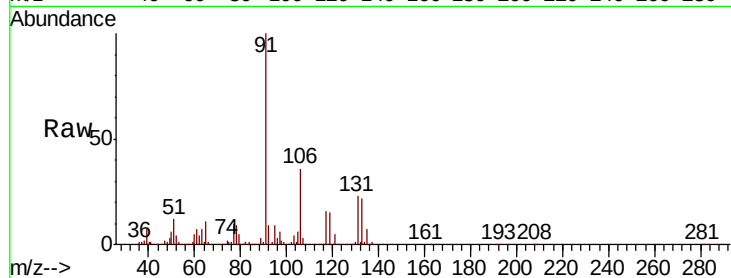
Tot Ion:131 Resp: 762003

Ion Ratio Lower Upper

131 100

133 95.2 0.0 194.0

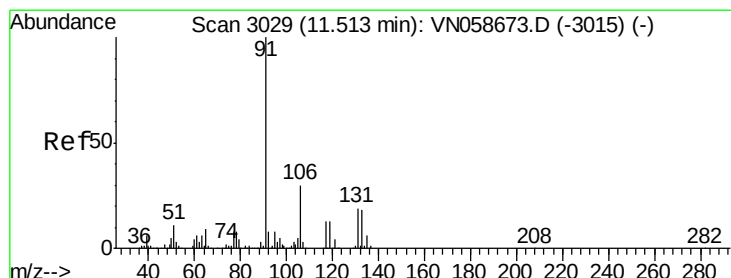
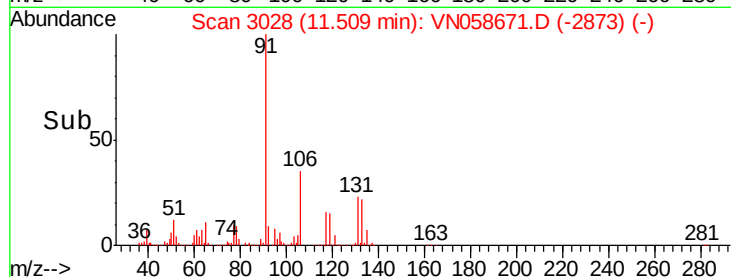
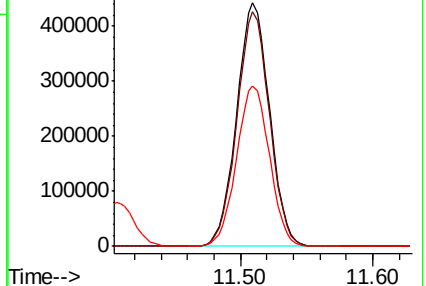
119 66.0 0.0 136.8



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

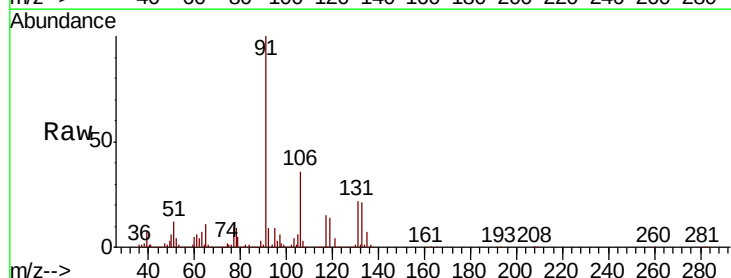
Acq: 10 Oct 2019 17:50

Tgt Ion: 91 Resp: 3461591

Ion Ratio Lower Upper

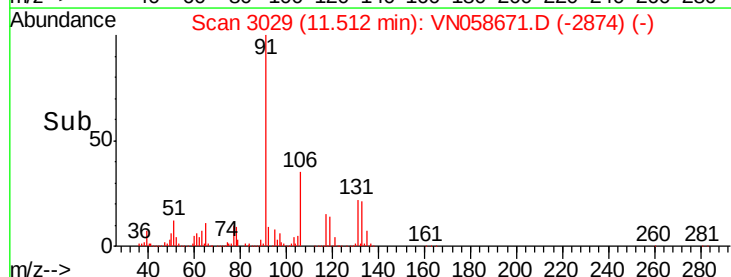
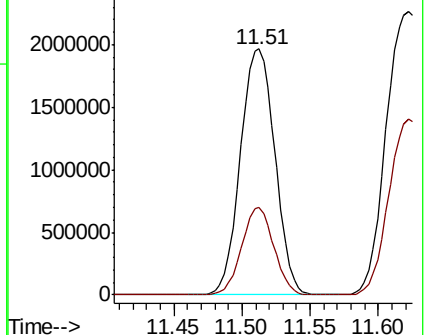
91 100

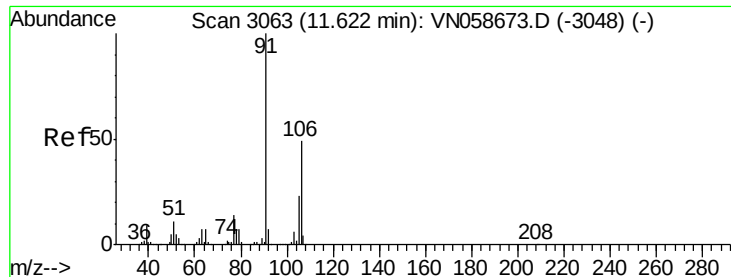
106 35.8 24.2 36.4



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 :

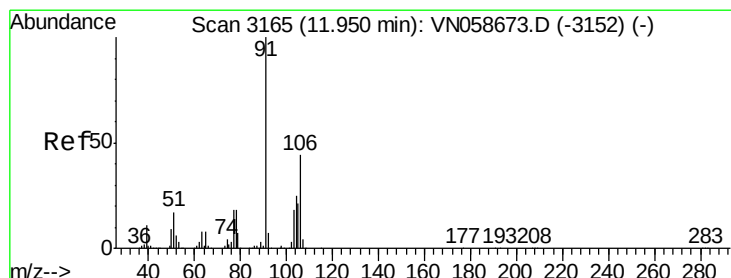
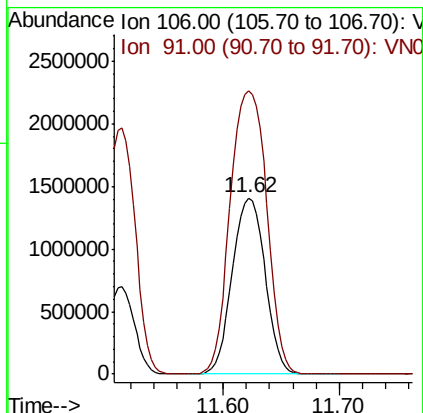
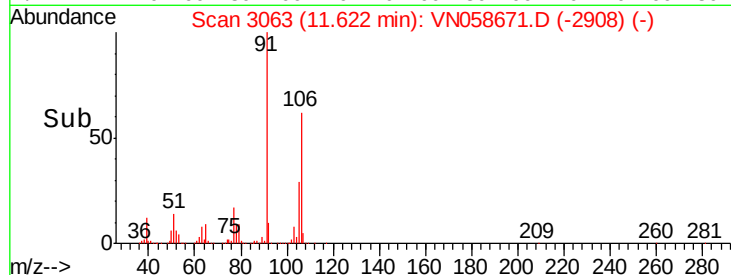
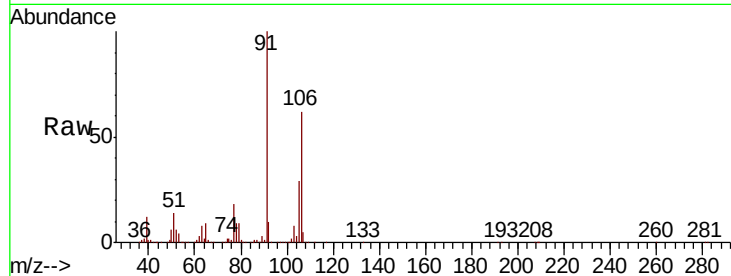
VSTDIC150

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

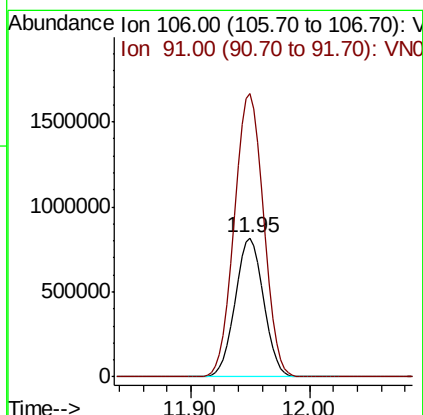
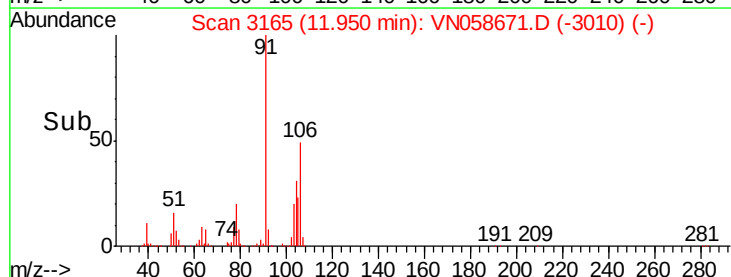
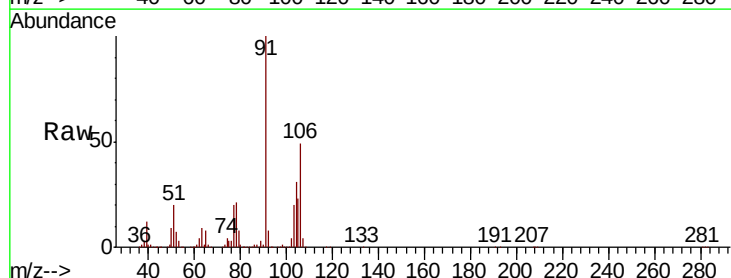
Acq: 10 Oct 2019 17:50

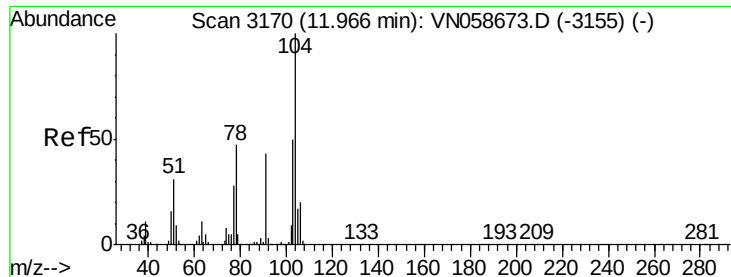
Tgt Ion:106 Resp: 1352089

Ion Ratio Lower Upper

106 100

91 210.4 109.8 329.4

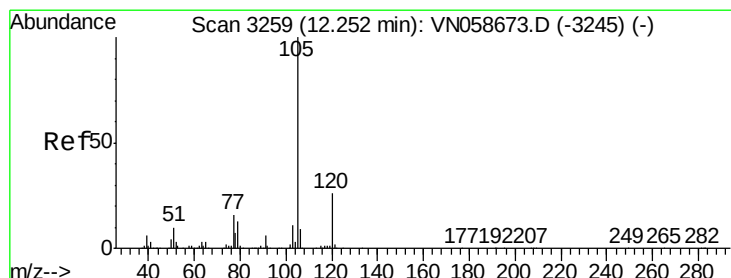
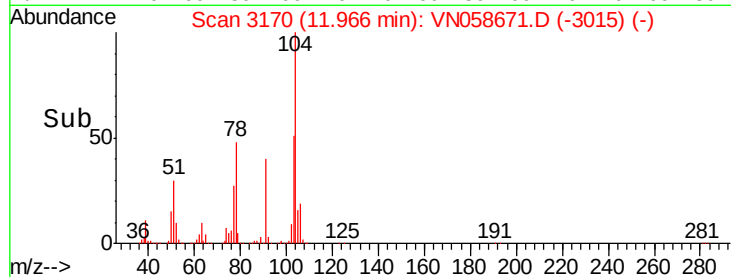
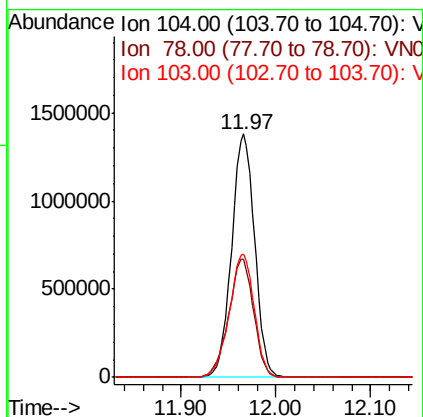
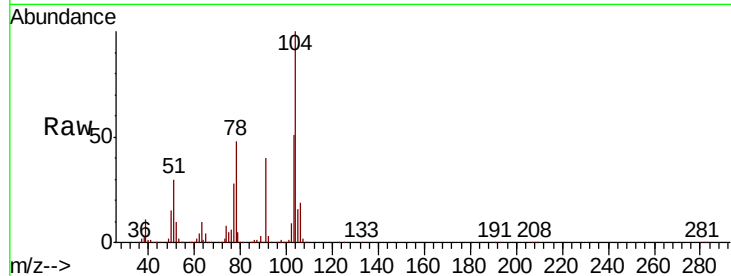




#69
Stvrene
Concen: 146.706 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

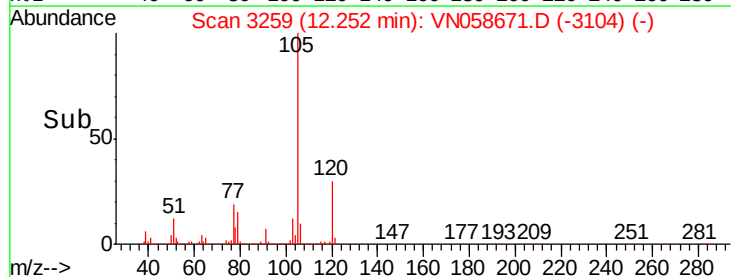
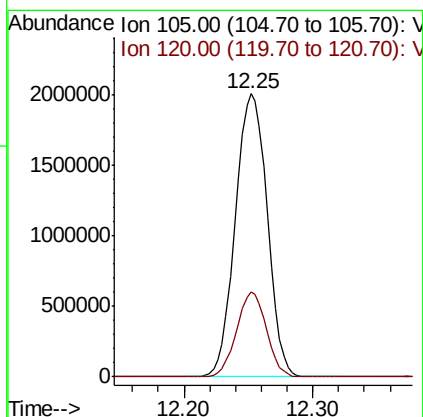
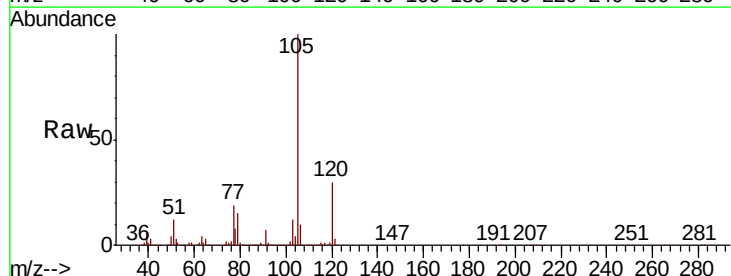
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

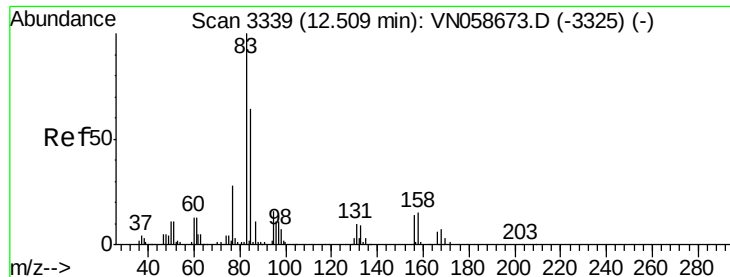
Tot Ion:104 Resp: 2332136
Ion Ratio Lower Upper
104 100
78 52.6 42.4 63.6
103 54.7 44.6 66.8



#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

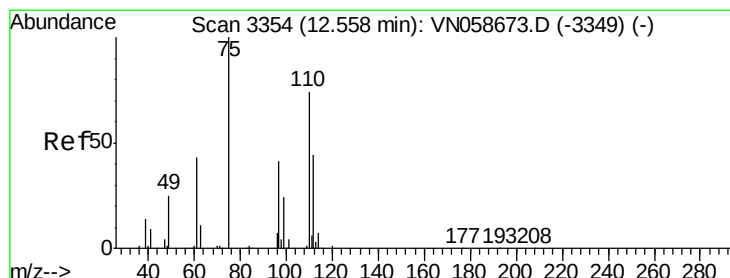
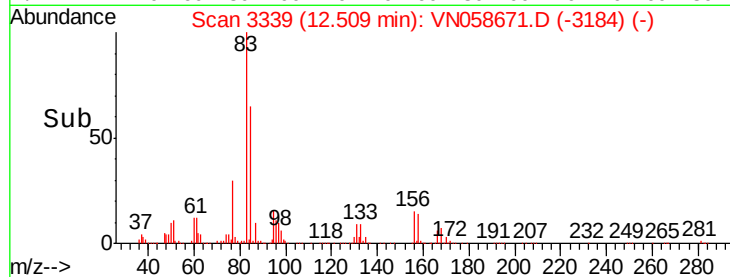
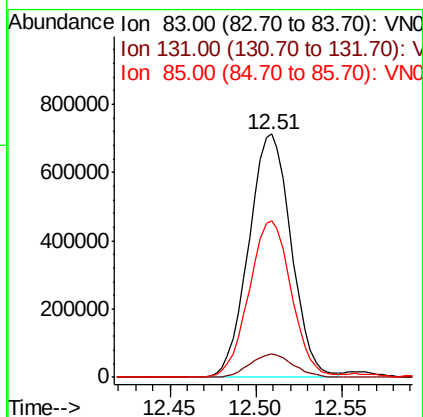
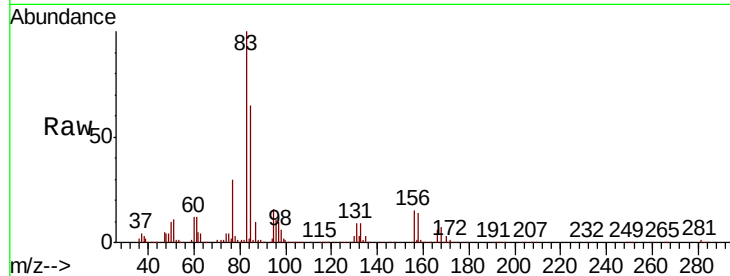




#71
 1,1,2,2-Tetrachloroethane
 Concen: 150.979 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

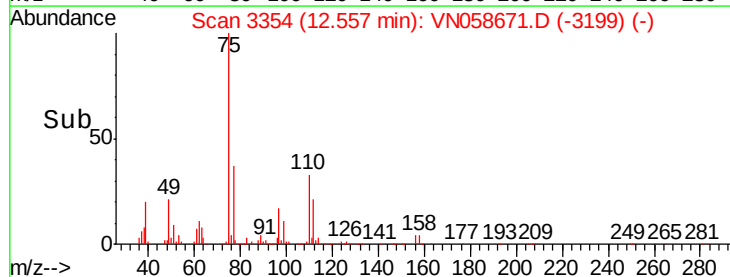
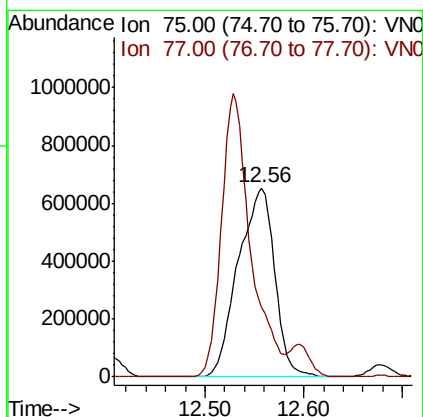
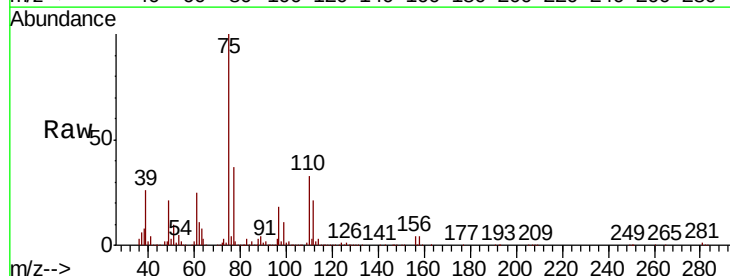
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

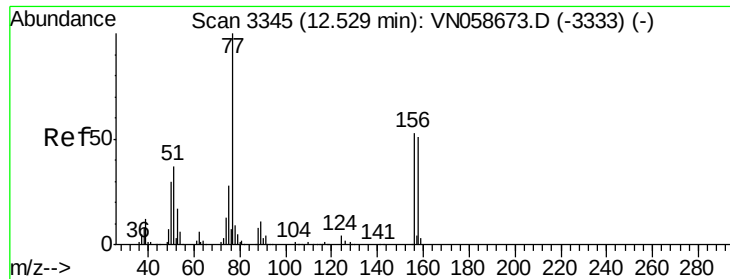
Tot Ion: 83 Resp: 1215278
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.7
 85 64.4 31.6 94.7



#72
 1,2,3-Trichloropropane
 Concen: 239.854 ug/l
 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: 1672222
 Ion Ratio Lower Upper
 75 100
 77 121.2 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

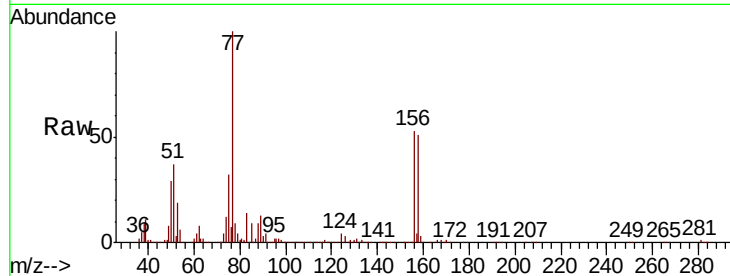
Tot Ion:156 Resp: 875849

Ion Ratio Lower Upper

156 100

77 231.3 0.0 456.0

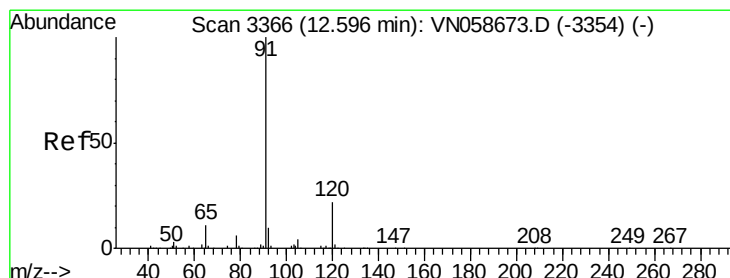
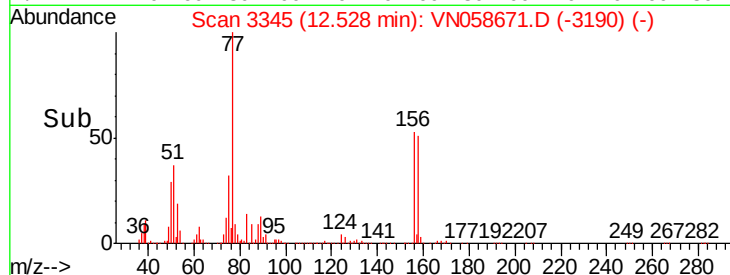
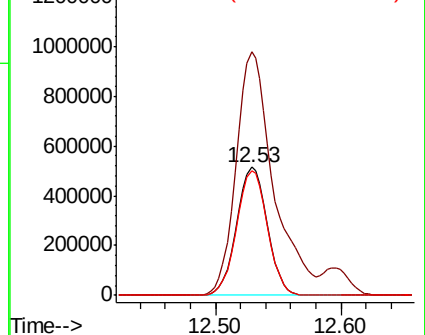
158 97.4 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 136.384 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058671.D

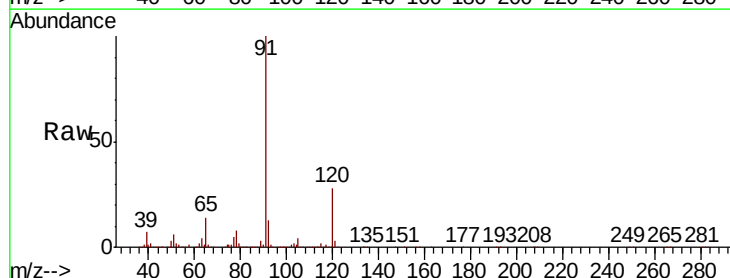
Acq: 10 Oct 2019 17:50

Tgt Ion: 91 Resp: 3904709

Ion Ratio Lower Upper

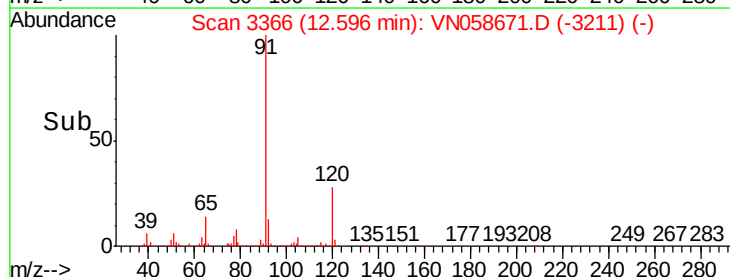
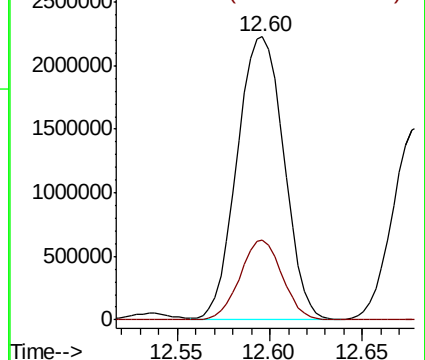
91 100

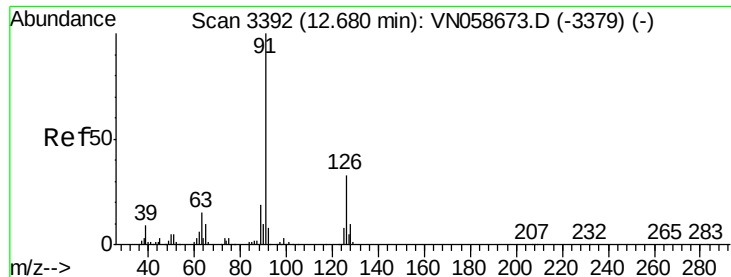
120 25.4 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#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 :

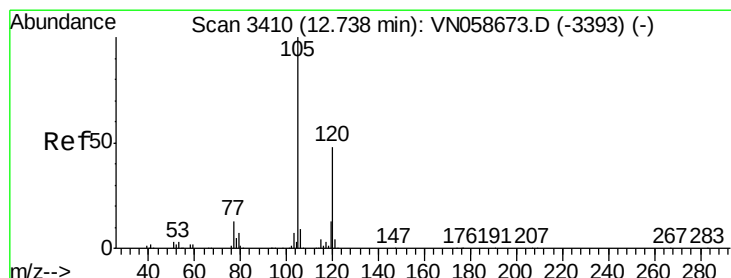
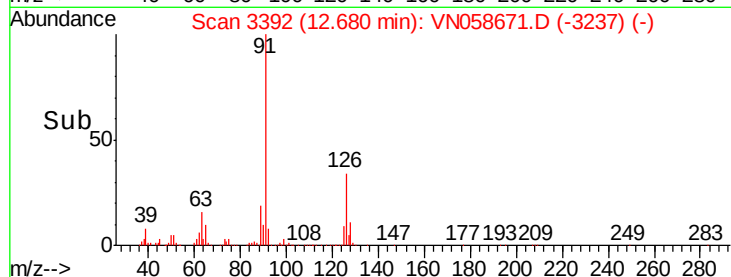
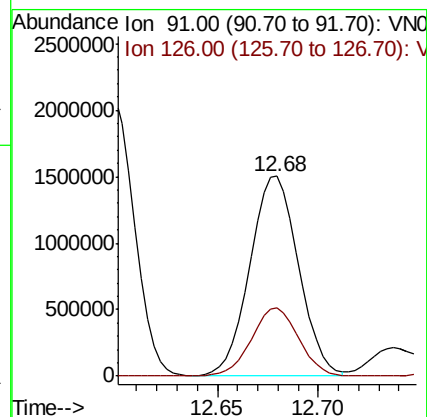
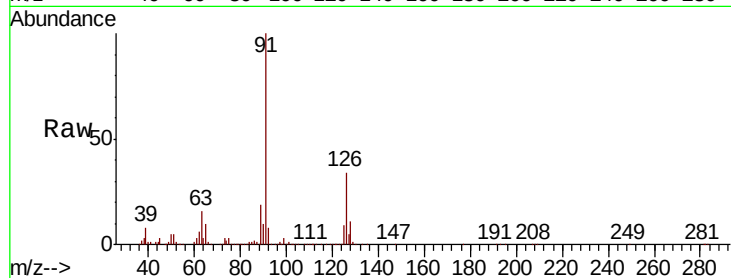
VSTDIC150

Tot Ion: 91 Resp: 2538213

Ion Ratio Lower Upper

91 100

126 33.2 0.0 65.4



#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

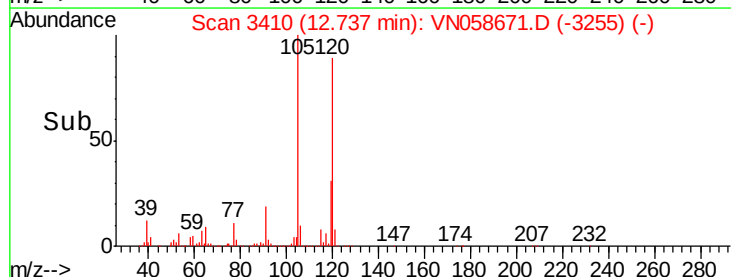
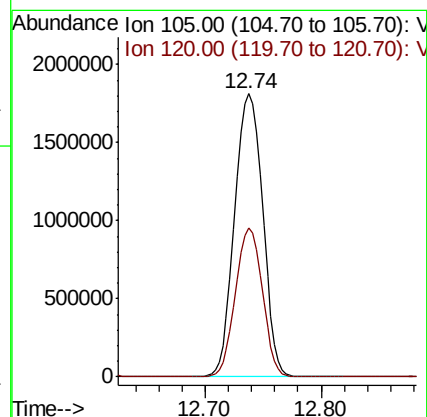
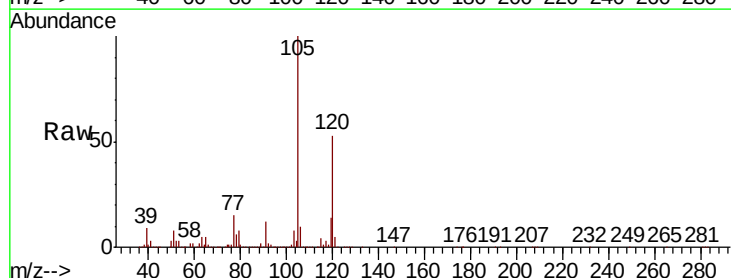
Acq: 10 Oct 2019 17:50

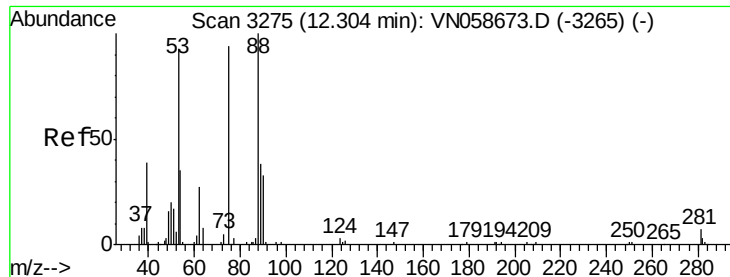
Tgt Ion: 105 Resp: 3036187

Ion Ratio Lower Upper

105 100

120 50.3 0.0 94.0

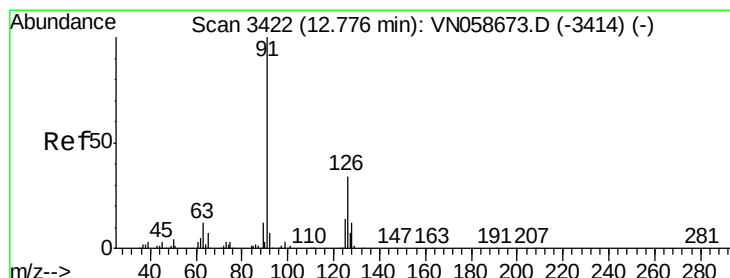
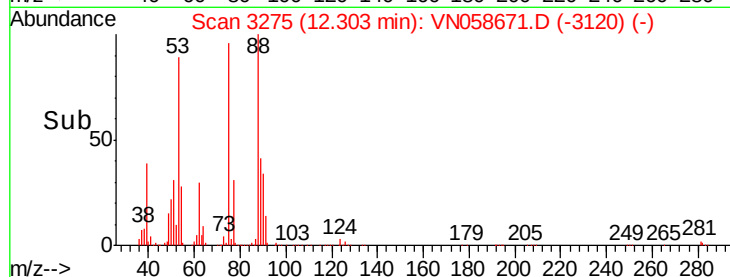
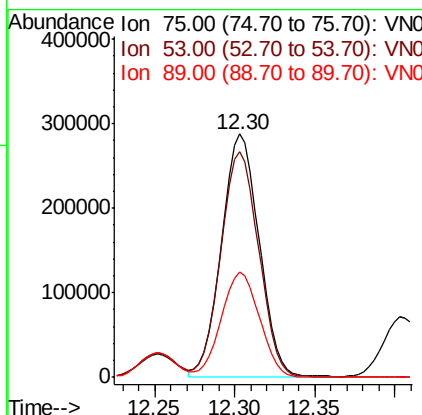
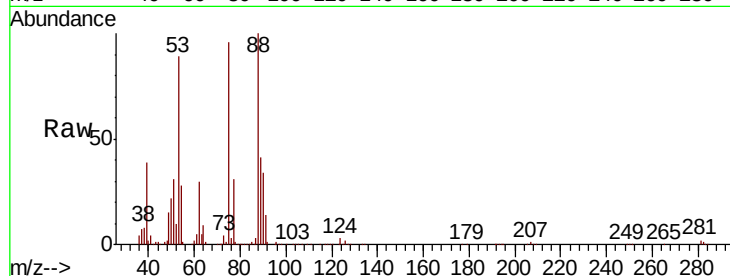




#77
t-1,4-Dichloro-2-butene
Concen: 194.577 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

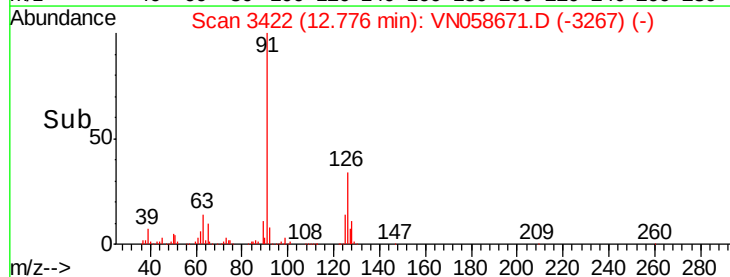
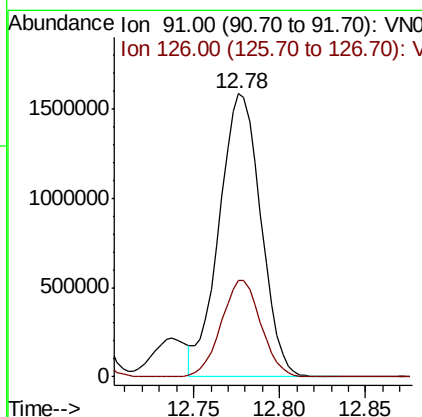
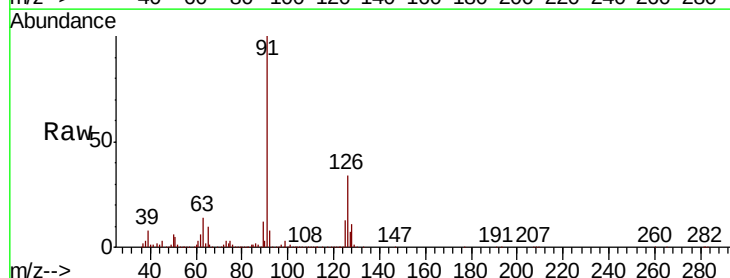
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

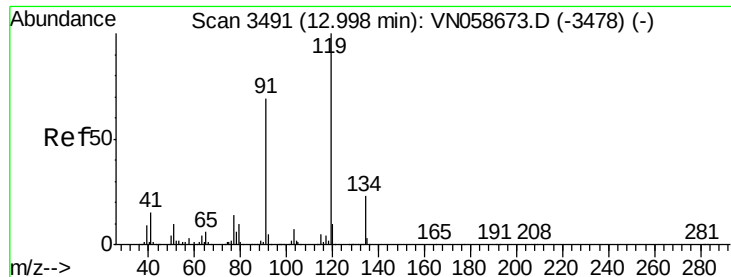
Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	50.0	150.0
89	43.1	20.7	62.1



#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	Ratio	Lower	Upper
91	100		
126	32.7	0.0	63.4

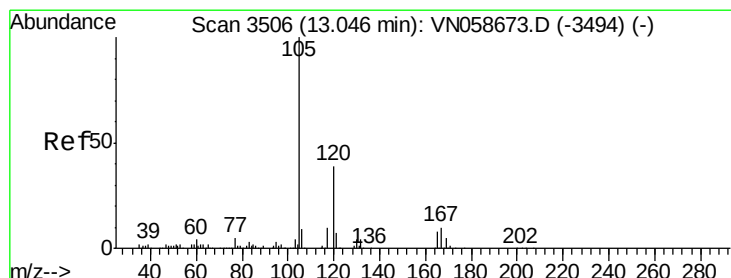
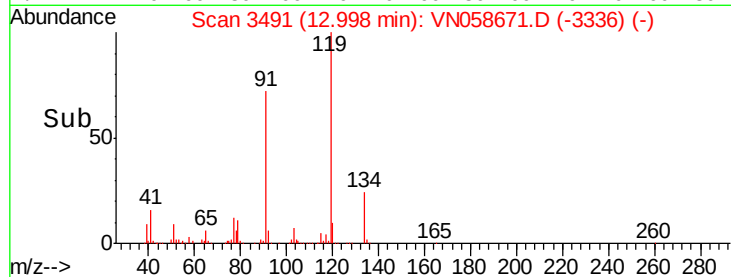
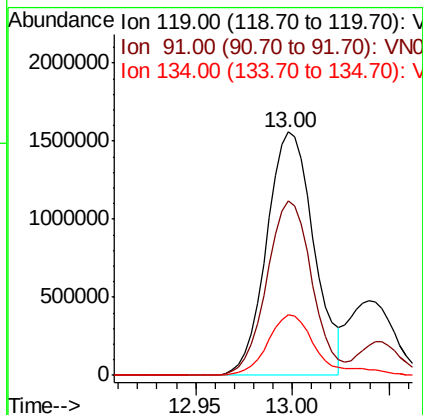
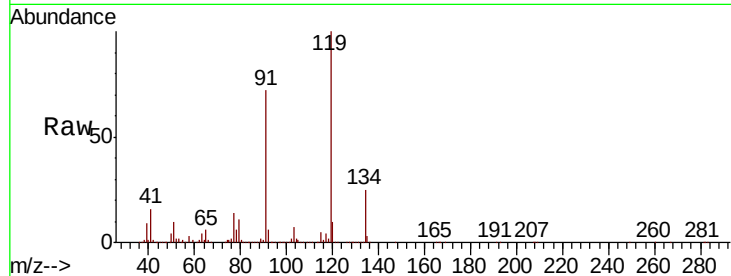




#79
tert-butylbenzene
Concen: 142.414 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

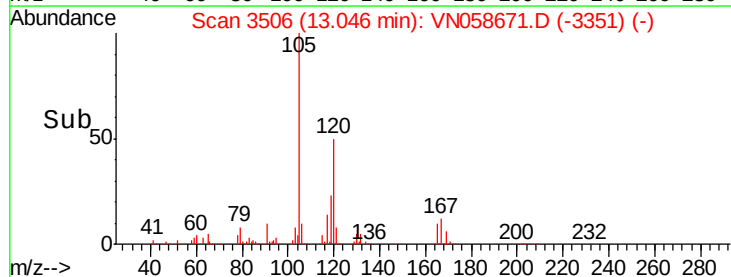
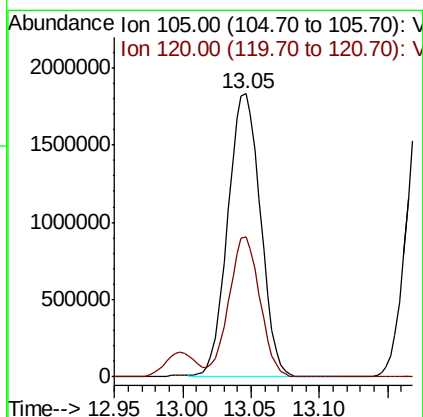
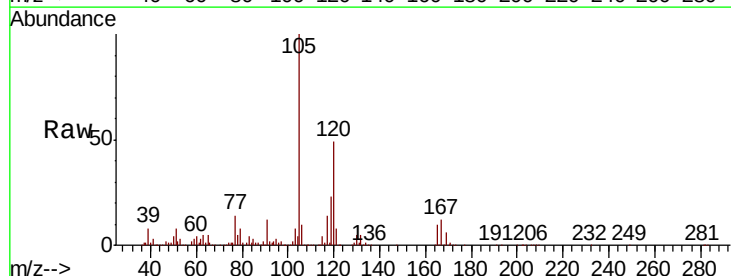
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

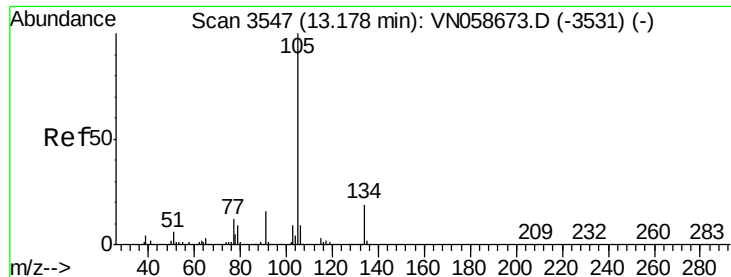
Tot Ion:119 Resp: 2641999
Ion Ratio Lower Upper
119 100
91 68.8 0.0 136.4
134 23.7 0.0 47.2



#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

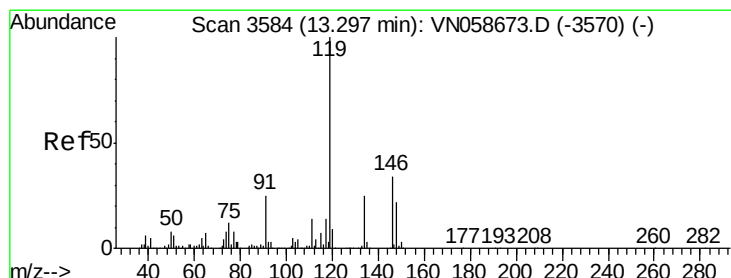
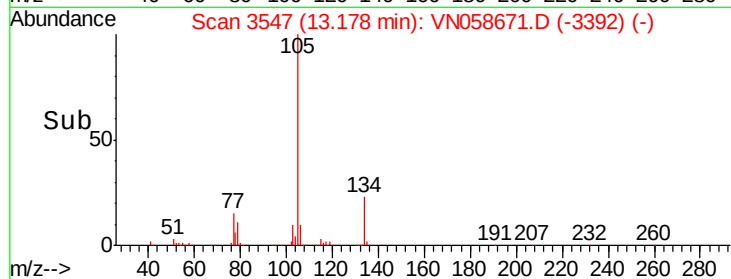
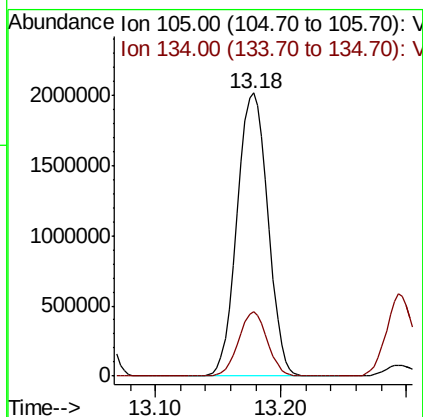
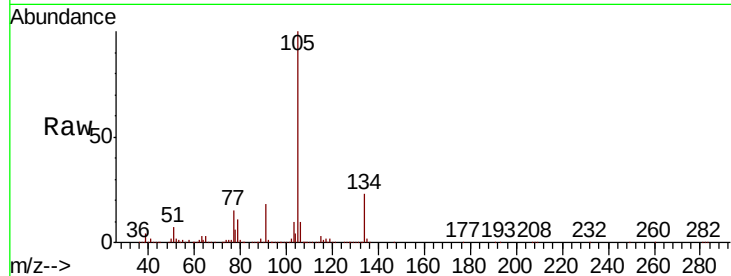




#81
 sec-Butylbenzene
 Concen: 142.158 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

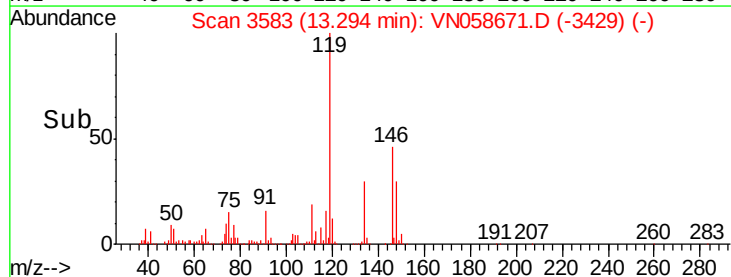
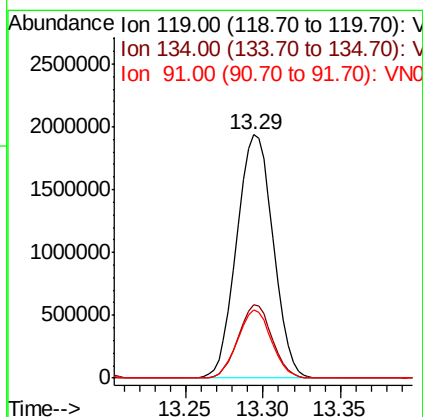
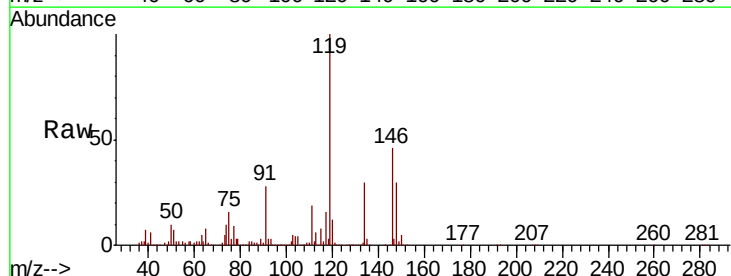
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

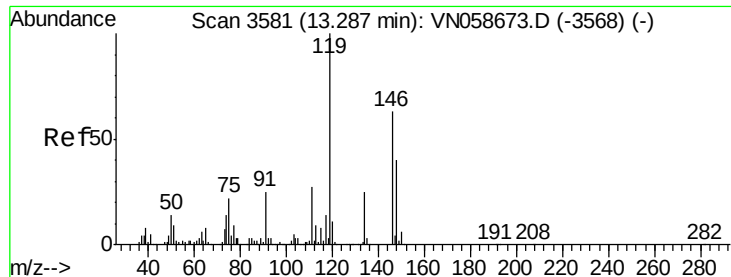
Tot Ion:105 Resp: 3442607
 Ion Ratio Lower Upper
 105 100
 134 21.2 0.0 38.0



#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 :

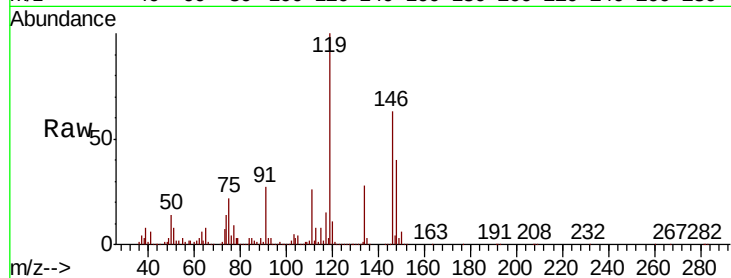
MSVOA_N

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

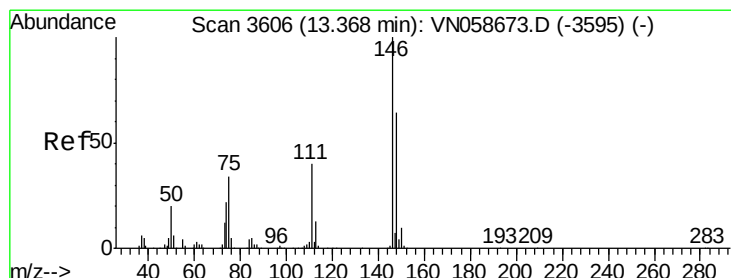
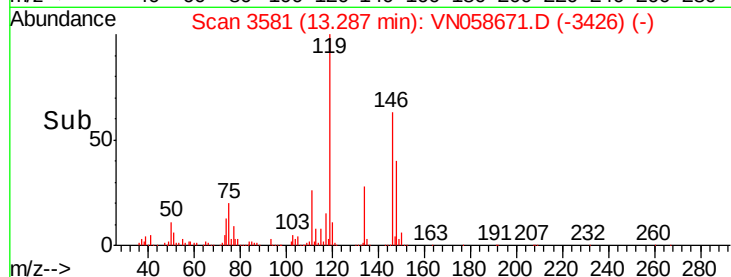
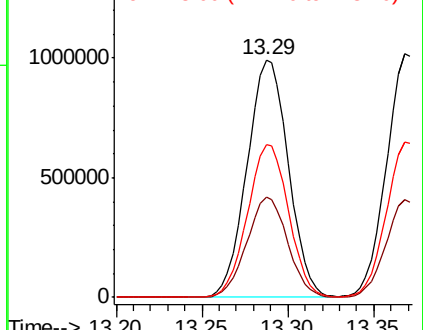


Abundance

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



#84

1,4-Dichlorobenzene

Concen: 147.944 ug/l

RT: 13.37 min Scan# 3606

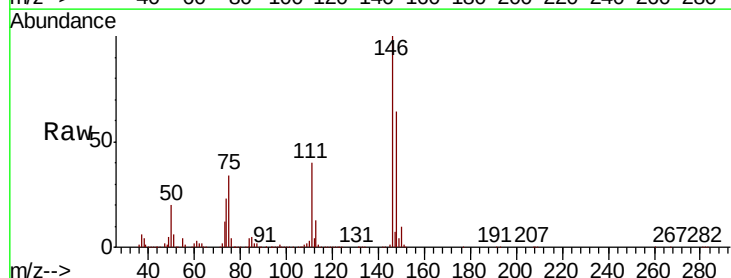
Delta R.T. -0.00 min

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

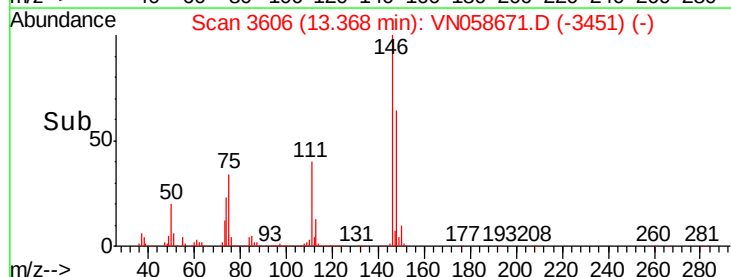
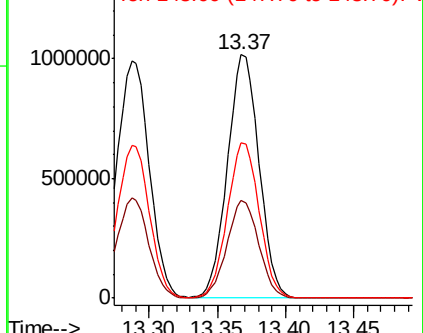


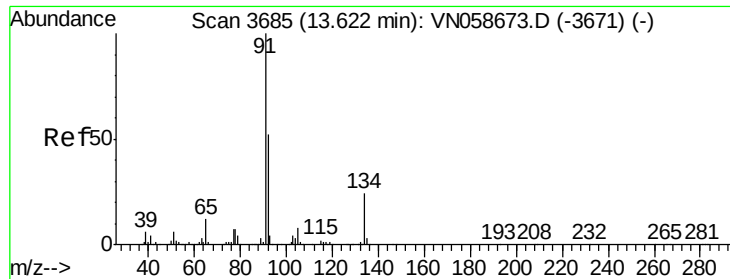
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

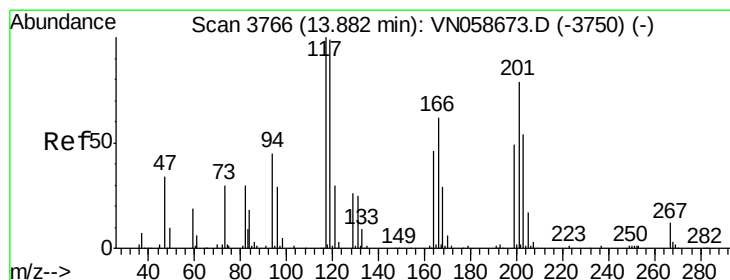
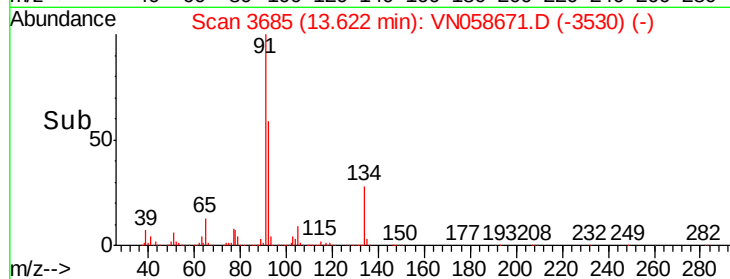
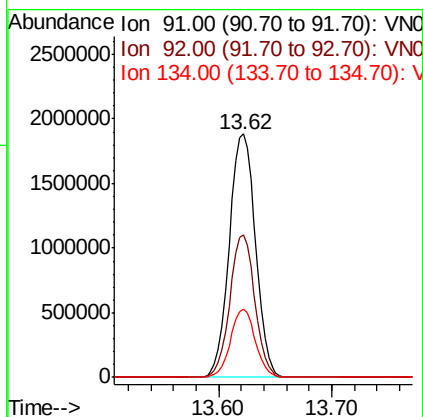
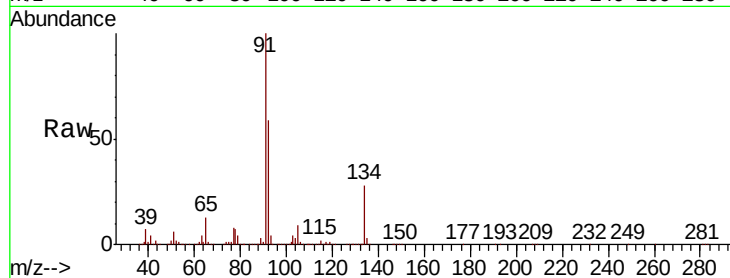




#85
n-Butylbenzene
Concen: 150.170 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

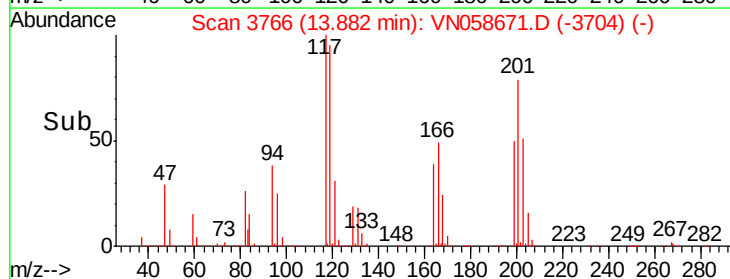
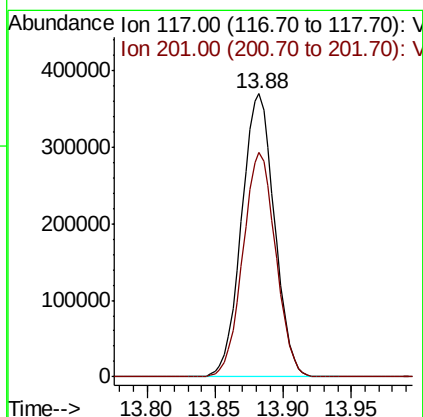
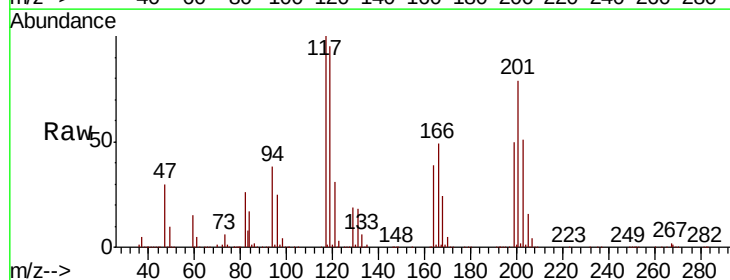
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

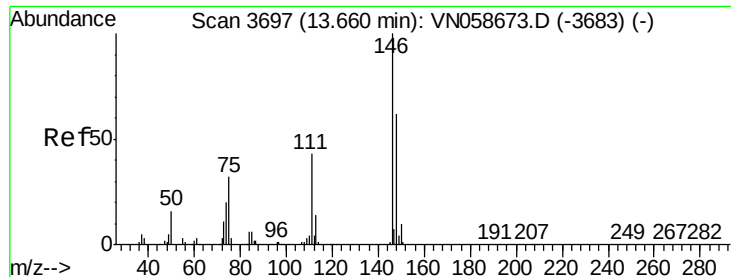
Tot Ion: 91 Resp: 3037135
Ion Ratio Lower Upper
91 100
92 55.8 0.0 102.8
134 26.5 0.0 48.6



#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

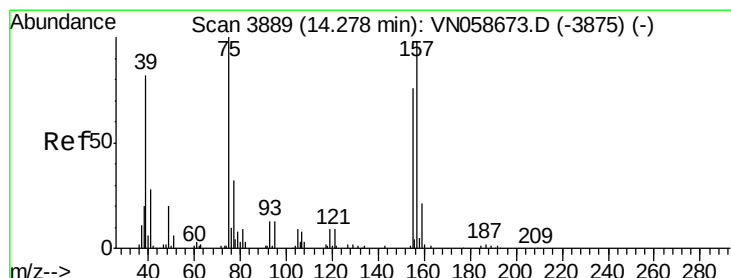
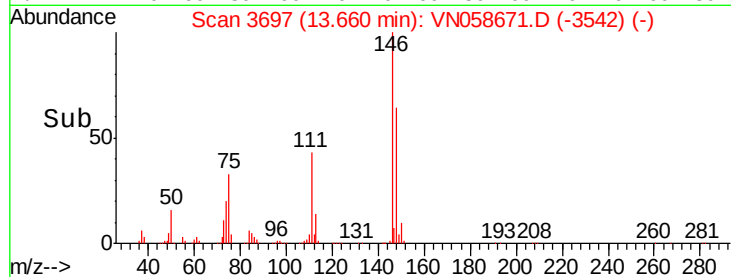
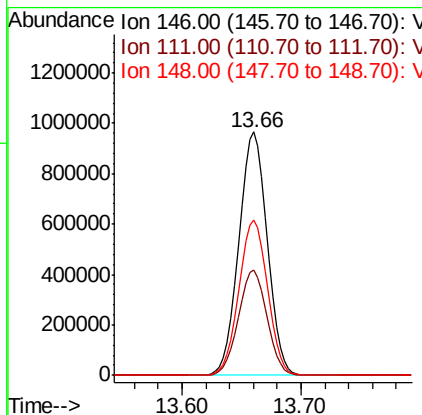
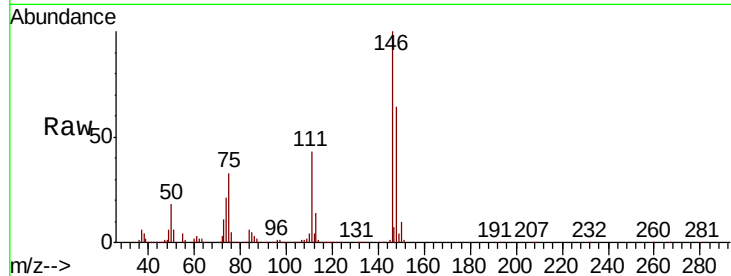




#87
 1,2-Dichlorobenzene
 Concen: 146.941 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

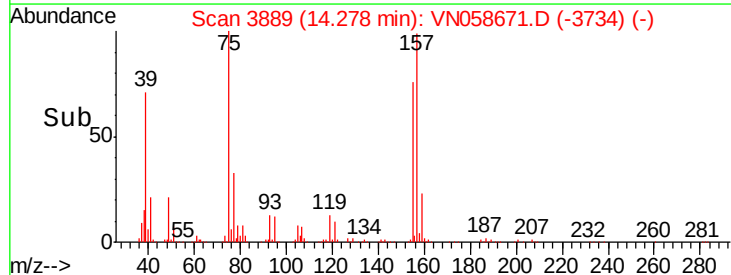
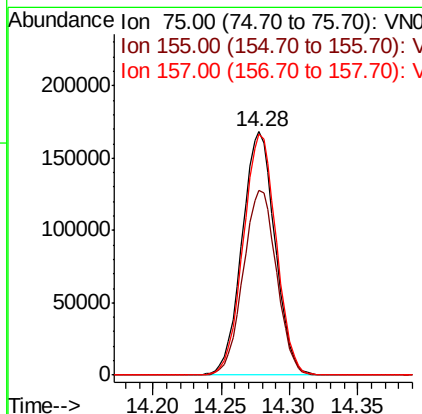
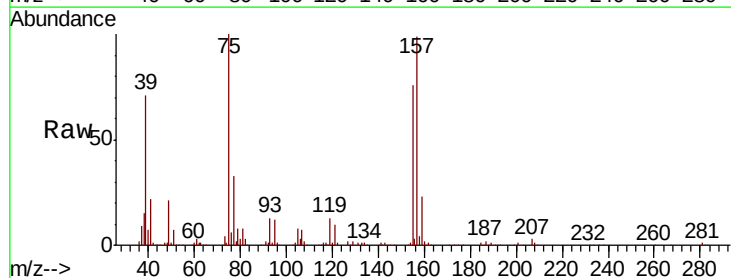
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

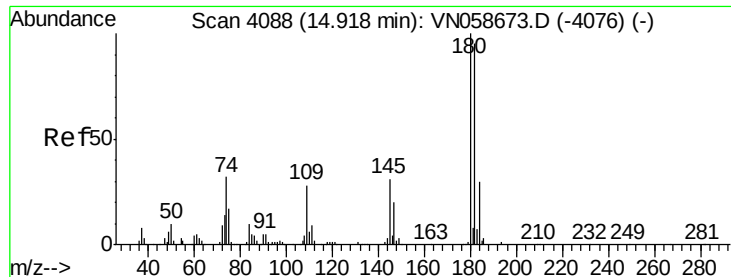
Tot Ion:146 Resp: 1595373
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.8 65.4
 148 64.5 32.1 96.5



#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



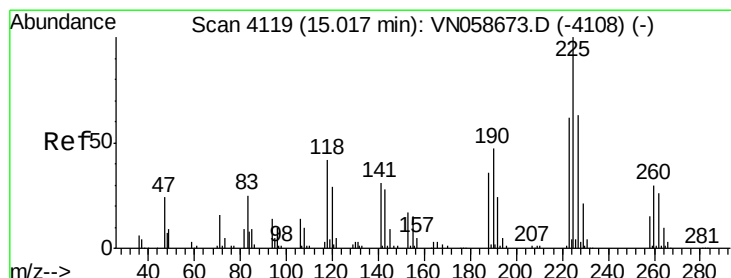
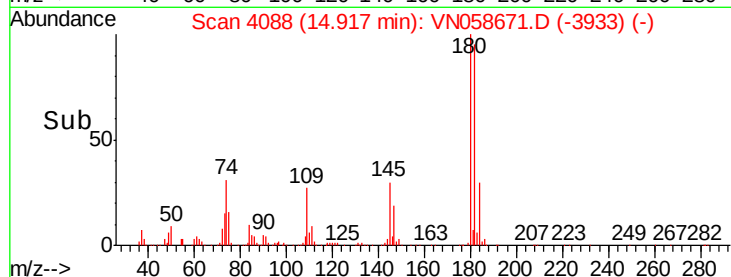
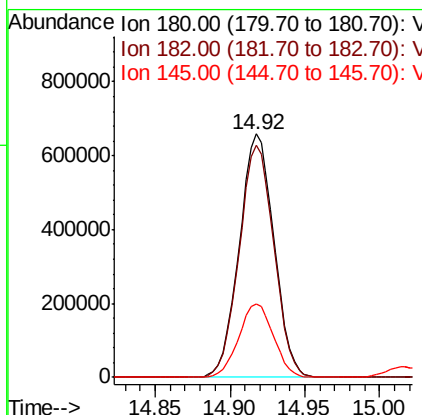
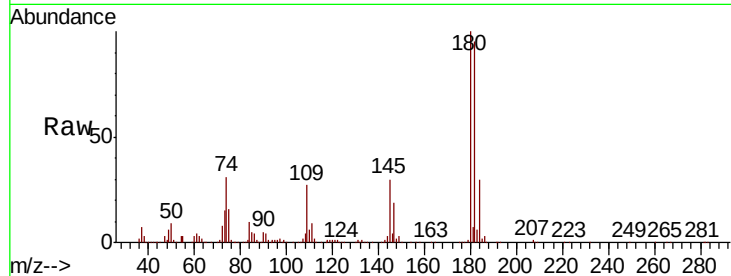


#89
 1,2,4-Trichlorobenzene
 Concen: 149.000 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 1062303

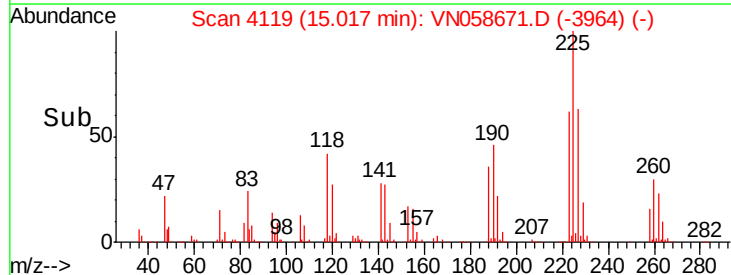
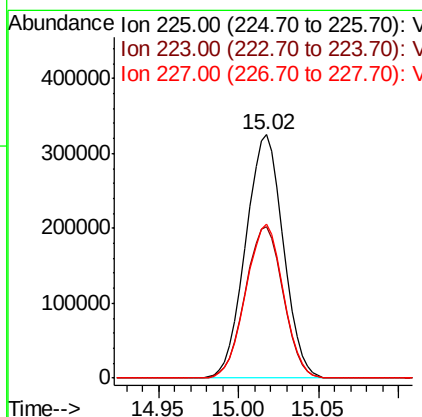
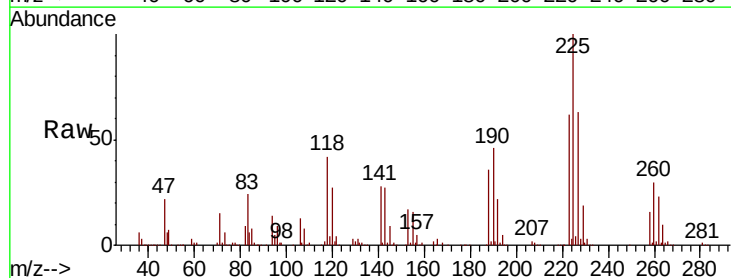
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.3	112.9
145	30.3	24.8	37.2

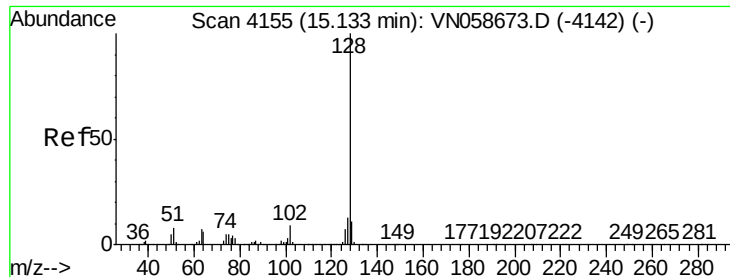


#90
 Hexachlorobutadiene
 Concen: 149.864 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058671.D
 Acq: 10 Oct 2019 17:50

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

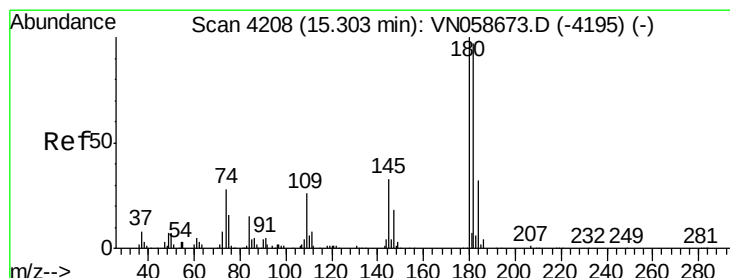
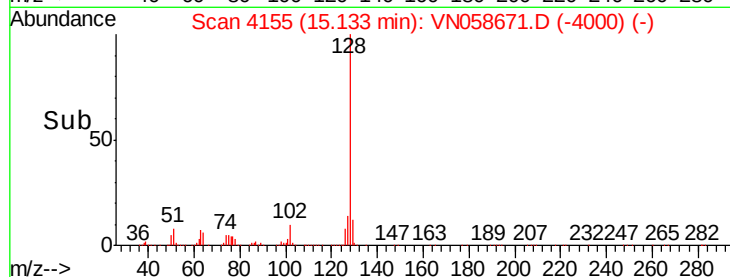
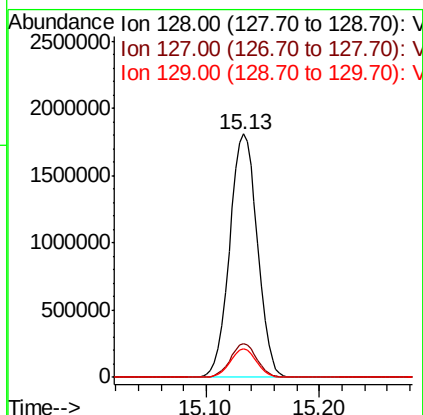
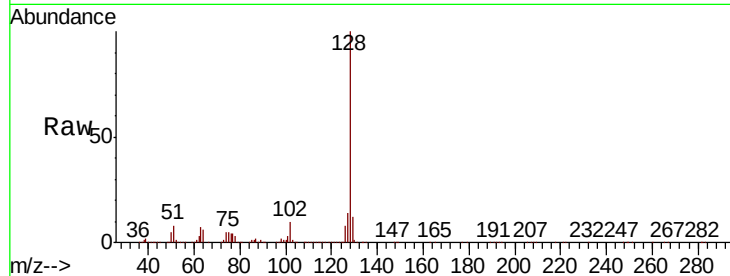




#91
Naphthalene
Concen: 155.514 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058671.D
Acq: 10 Oct 2019 17:50

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



#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

