

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052972.D
 Acq On : 18 Dec 2018 20:11
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 19 03:50:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1186861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1830313	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1652661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	736512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	633466	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	7.59	113	453885	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	10.09	98	2383254	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.40	95	813530	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	593008	49.368	ug/l	99
3) Chloromethane	2.06	50	711816	48.902	ug/l	99
4) Vinyl Chloride	2.19	62	732071	49.660	ug/l	100
5) Bromomethane	2.57	94	470345	46.051	ug/l	99
6) Chloroethane	2.71	64	431370	49.408	ug/l	98
7) Trichlorofluoromethane	3.02	101	907222	49.401	ug/l	100
8) Diethyl Ether	3.41	74	349942	50.510	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	566976	48.422	ug/l	98
10) Methyl Iodide	3.96	142	866073	52.670	ug/l	99
11) Tert butyl alcohol	4.78	59	194871	265.166	ug/l	100
12) 1,1-Dichloroethene	3.74	96	556082	49.157	ug/l	98
13) Acrolein	3.61	56	229423	344.290	ug/l	100
14) Allyl chloride	4.33	41	920146	52.512	ug/l	95
15) Acrylonitrile	4.99	53	1037971	254.234	ug/l	100
16) Acetone	3.82	43	627890	265.883	ug/l	97
17) Carbon Disulfide	4.06	76	1672250	45.328	ug/l	99
18) Methyl Acetate	4.32	43	530401	49.496	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1551066	51.236	ug/l	99
20) Methylene Chloride	4.55	84	629341	48.855	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	591312	48.651	ug/l	99
22) Diisopropyl ether	5.95	45	1924376	51.451	ug/l	97
23) Vinyl Acetate	5.90	43	5327838	247.723	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1112120	50.039	ug/l	99
25) 2-Butanone	6.83	43	1070662	270.149	ug/l	96
26) 2,2-Dichloropropane	6.83	77	777966	45.854	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	685763	49.838	ug/l	98
28) Bromochloromethane	7.20	49	501096	52.031	ug/l	95
29) Tetrahydrofuran	7.21	42	770936	260.451	ug/l	99
30) Chloroform	7.37	83	1077946	49.372	ug/l	99
31) Cyclohexane	7.66	56	1046868	50.227	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	920473	49.491	ug/l	99
36) 1,1-Dichloropropene	7.80	75	847421	48.237	ug/l	100
37) Ethyl Acetate	6.93	43	514108	52.421	ug/l	99
38) Carbon Tetrachloride	7.78	117	793526	49.280	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1034933	48.494	ug/l	97
40) Benzene	8.04	78	2583874	49.447	ug/l	99
41) Methacrylonitrile	7.17	41	306770	54.137	ug/l	94
42) 1,2-Dichloroethane	8.13	62	760306	49.252	ug/l	99
43) Isopropyl Acetate	8.16	43	979968	51.670	ug/l	99
44) Trichloroethene	8.84	130	734173	48.575	ug/l	97
45) 1,2-Dichloropropane	9.12	63	683478	50.215	ug/l	100
46) Dibromomethane	9.21	93	391220	49.341	ug/l	98
47) Bromodichloromethane	9.40	83	823599	48.866	ug/l	100
48) Methyl methacrylate	9.20	41	488537	51.335	ug/l	99
49) 1,4-Dioxane	9.20	88	118608	985.269	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2540249	267.464	ug/l	99
52) Toluene	10.16	92	1631325	50.366	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	871394	49.167	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1009819	49.639	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	570417	50.481	ug/l	98
56) Ethyl methacrylate	10.43	69	788583	52.727	ug/l	97
57) 1,3-Dichloropropane	10.71	76	976629	50.402	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2127771	259.142	ug/l	98
59) 2-Hexanone	10.75	43	1723017	268.138	ug/l	99
60) Dibromochloromethane	10.90	129	639115	49.412	ug/l	100
61) 1,2-Dibromoethane	11.01	107	579875	50.530	ug/l	99
64) Tetrachloroethene	10.63	164	842328	47.052	ug/l	99
65) Chlorobenzene	11.43	112	1796221	49.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	631482	49.568	ug/l	100
67) Ethyl Benzene	11.51	91	3128683	49.660	ug/l	100
68) m/p-Xylenes	11.62	106	2343036	97.827	ug/l	100
69) o-Xylene	11.95	106	1144835	49.813	ug/l	100
70) Styrene	11.96	104	1878197	50.118	ug/l	99
71) Bromoform	12.13	173	445461	48.402	ug/l #	100
73) Isopropylbenzene	12.25	105	3033030	52.633	ug/l	100
74) N-amyl acetate	12.07	43	891330	55.712	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	614432	54.349	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	871387	70.282	ug/l #	100
77) Bromobenzene	12.53	156	774948	51.734	ug/l	98
78) n-propylbenzene	12.59	91	3400027	51.806	ug/l	100
79) 2-Chlorotoluene	12.68	91	1980329	48.680	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	2344757	49.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	205161	53.334	ug/l	95
82) 4-Chlorotoluene	12.77	91	2020478	50.737	ug/l	100
83) tert-Butylbenzene	12.99	119	2076300	49.982	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2347141	49.709	ug/l	99
85) sec-Butylbenzene	13.17	105	2759877	49.119	ug/l	99
86) p-Isopropyltoluene	13.29	119	2379415	49.009	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1284919	48.466	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1264987	47.116	ug/l	100
89) n-Butylbenzene	13.62	91	1929938	46.205	ug/l	100
90) Hexachloroethane	13.88	117	370206	49.689	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1185405	47.508	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91498	46.808	ug/l	97

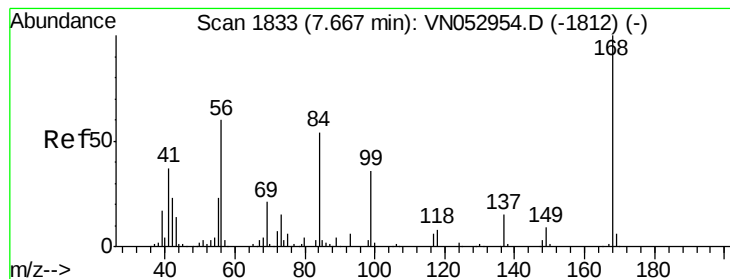
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	631663	47.809	ug/l	100
94) Hexachlorobutadiene	15.01	225	332105	48.430	ug/l	99
95) Naphthalene	15.13	128	1406541	48.605	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	571518	48.030	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

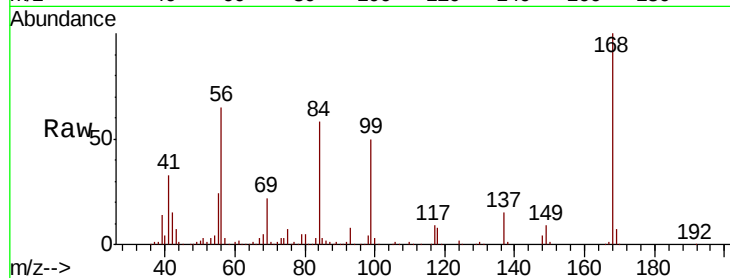
VSTDCCC050EC

Tot Ion:168 Resp: 1186861

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

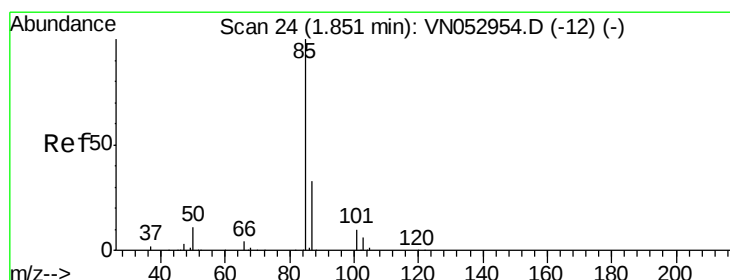
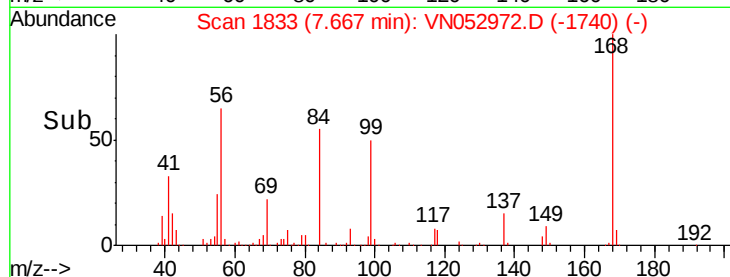
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.368 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052972.D

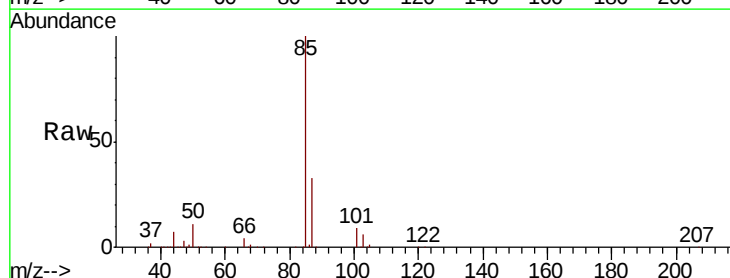
Acq: 18 Dec 2018 20:11

Tgt Ion: 85 Resp: 593008

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

500000

400000

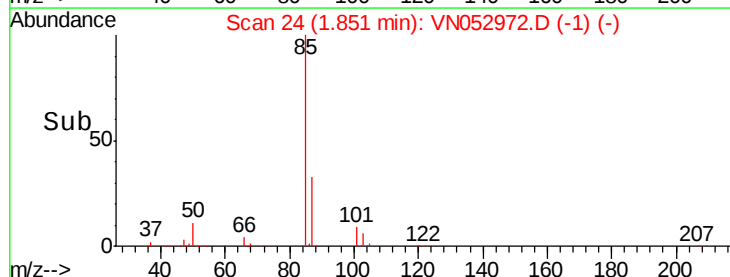
300000

200000

100000

0

Time-->





#3

Chloromethane

Concen: 48.902 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

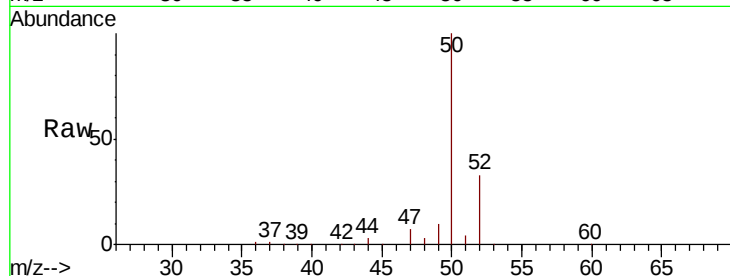
VSTDCCC050EC

Tot Ion: 50 Resp: 711816

Ion Ratio Lower Upper

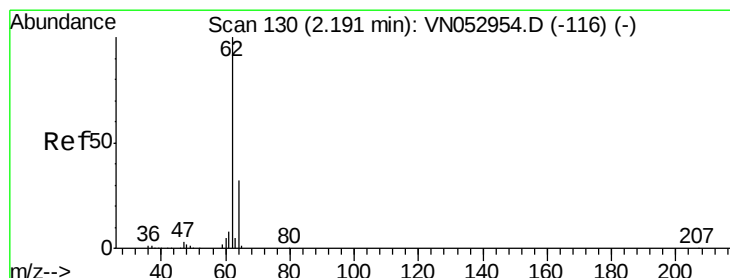
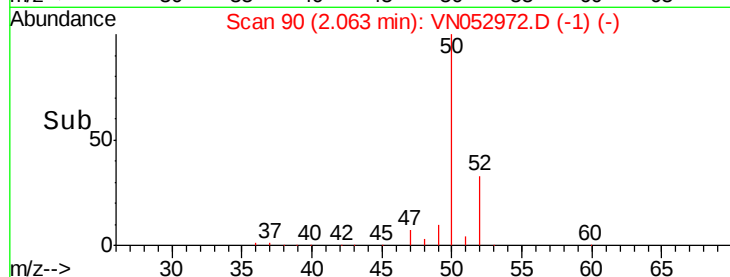
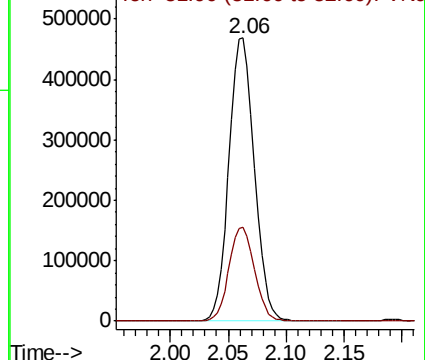
50 100

52 33.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.660 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052972.D

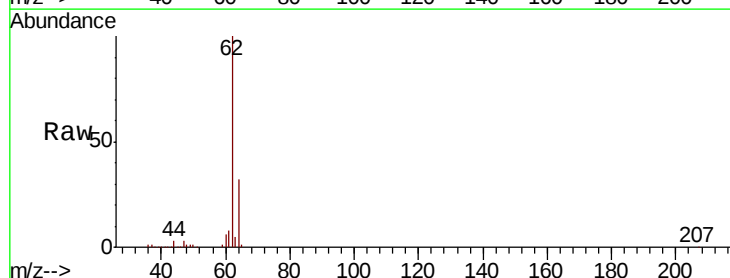
Acq: 18 Dec 2018 20:11

Tgt Ion: 62 Resp: 732071

Ion Ratio Lower Upper

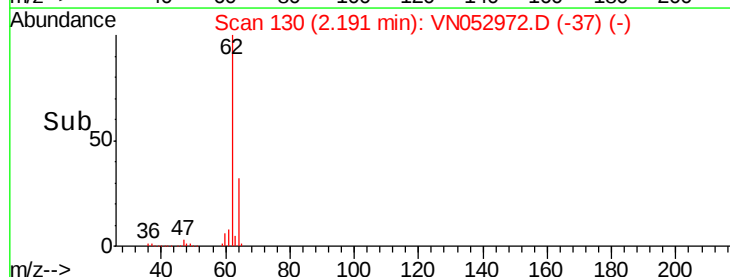
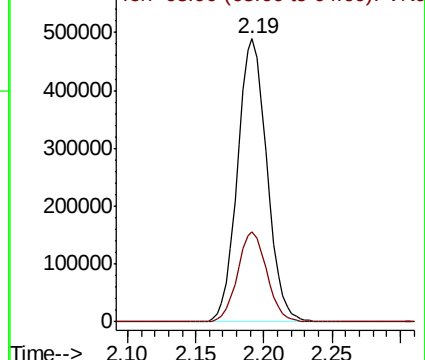
62 100

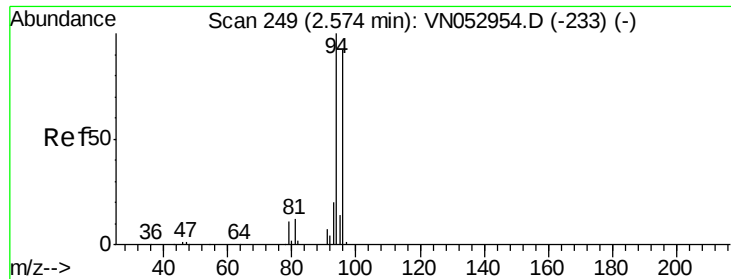
64 32.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.051 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

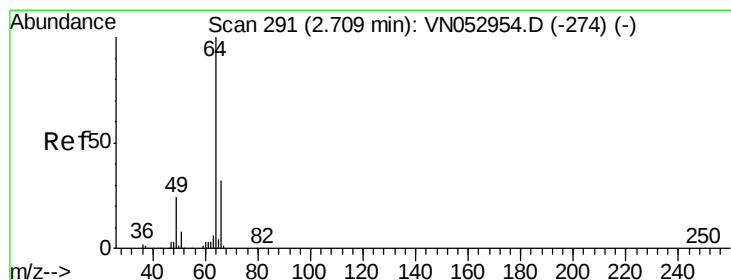
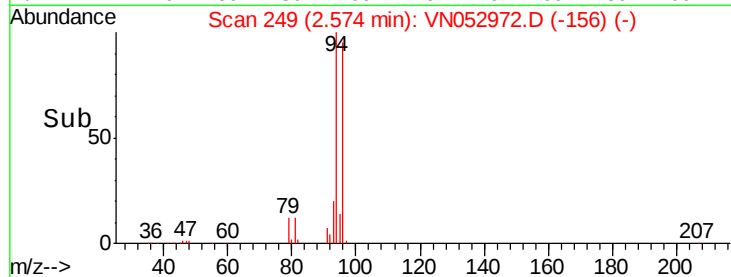
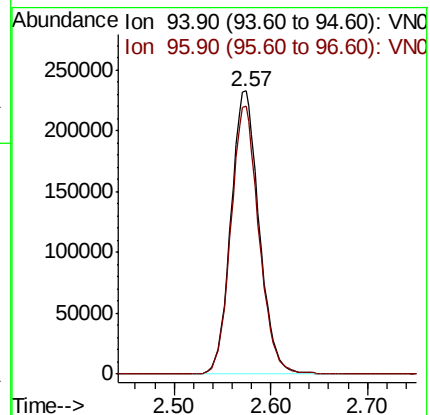
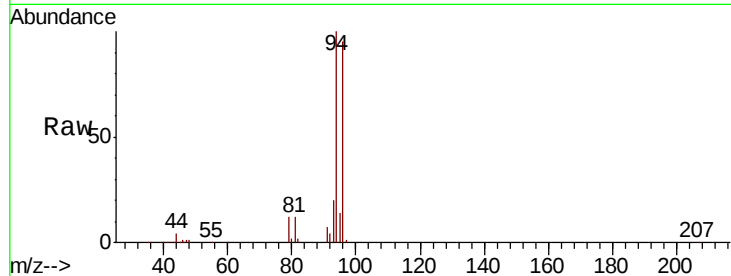
VSTDCCC050EC

Tot Ion: 94 Resp: 470345

Ion Ratio Lower Upper

94 100

96 94.7 75.0 112.4



#6

Chloroethane

Concen: 49.408 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052972.D

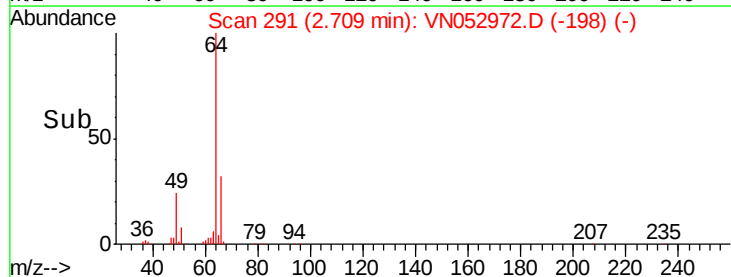
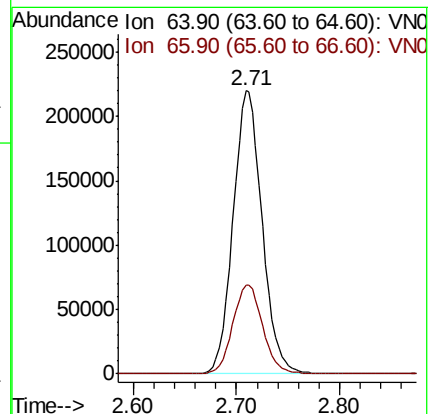
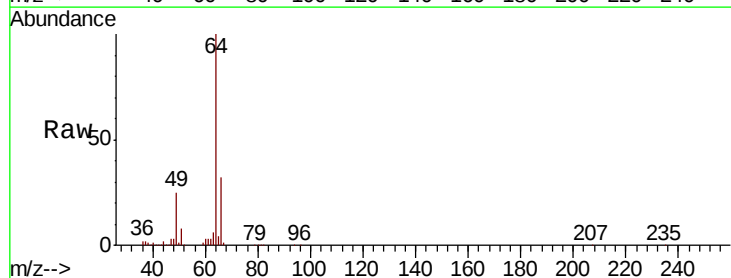
Acq: 18 Dec 2018 20:11

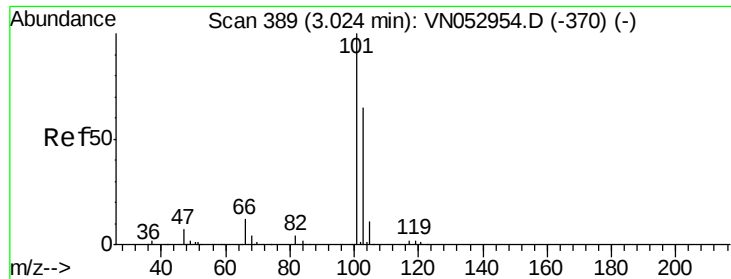
Tgt Ion: 64 Resp: 431370

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.2



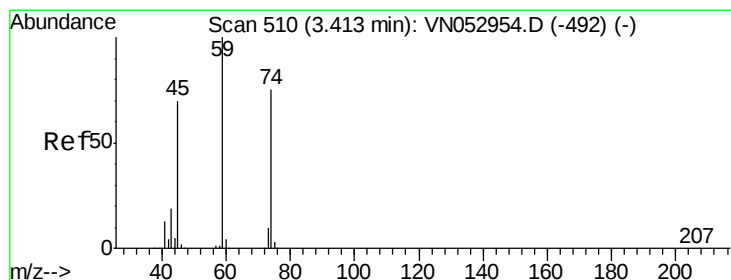
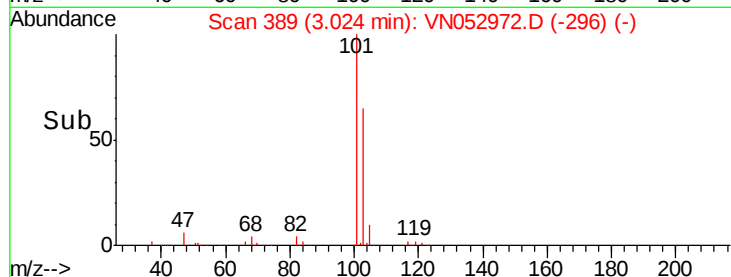
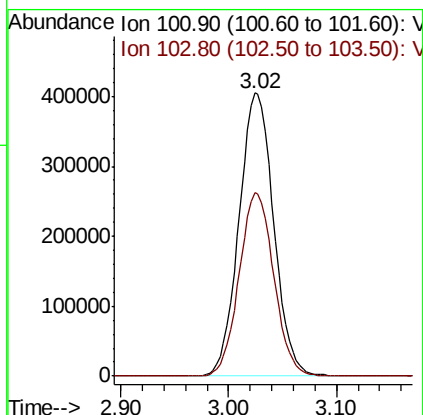
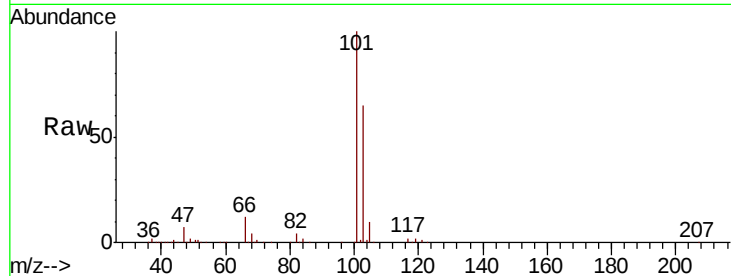


#7

Trichlorofluoromethane
 Concen: 49.401 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Instrument :
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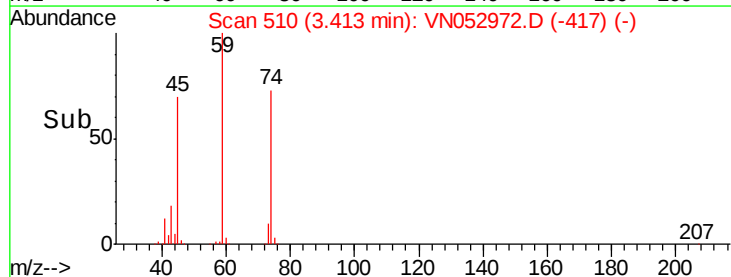
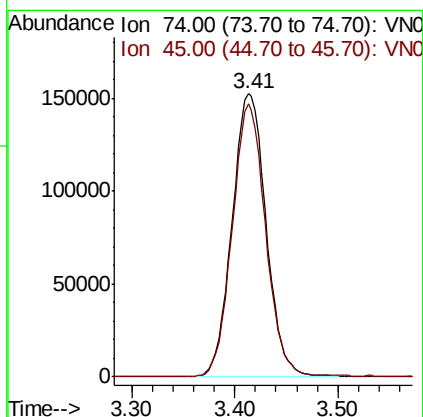
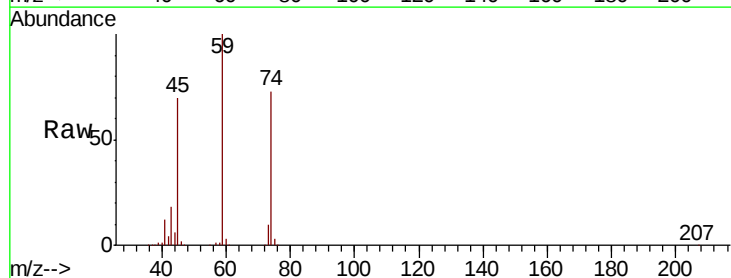
Tot Ion:101 Resp: 907222
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.8 77.6

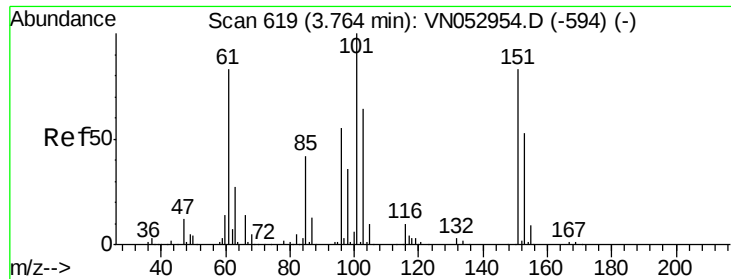


#8

Diethyl Ether
 Concen: 50.510 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion: 74 Resp: 349942
 Ion Ratio Lower Upper
 74 100
 45 94.1 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.422 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

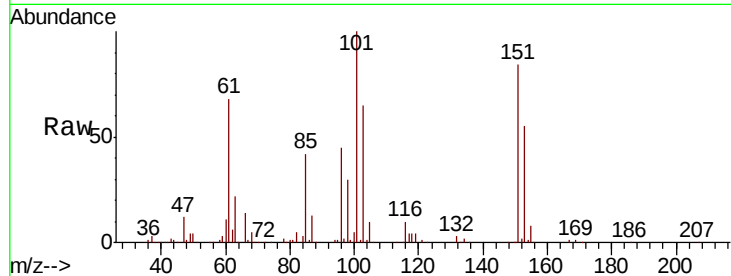
Tot Ion:101 Resp: 566976

Ion Ratio Lower Upper

101 100

85 41.2 33.6 50.4

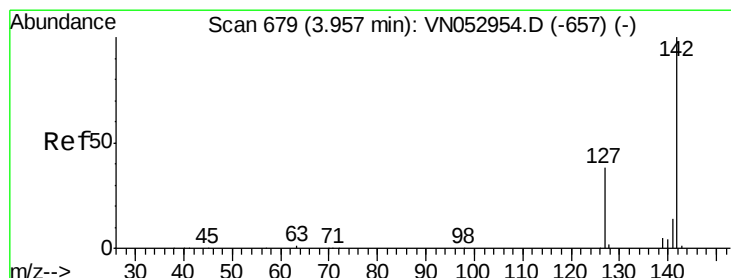
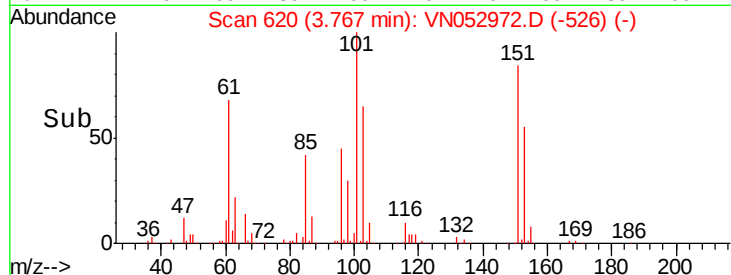
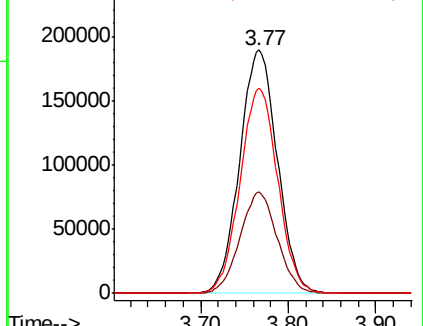
151 84.0 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.670 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

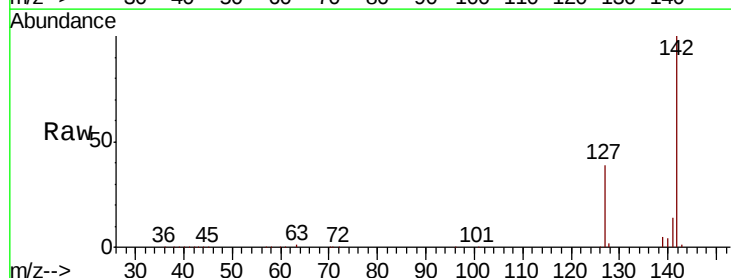
Tgt Ion:142 Resp: 866073

Ion Ratio Lower Upper

142 100

127 38.1 31.0 46.6

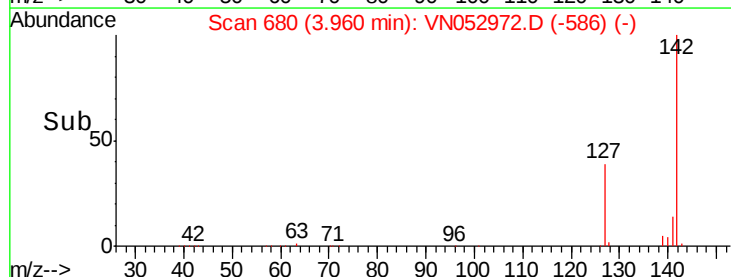
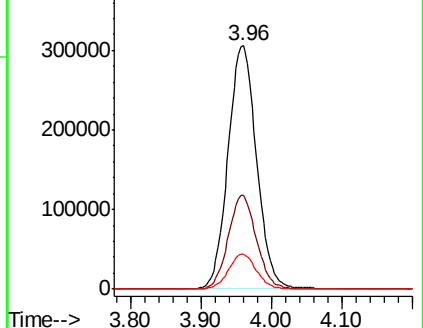
141 13.9 11.2 16.8

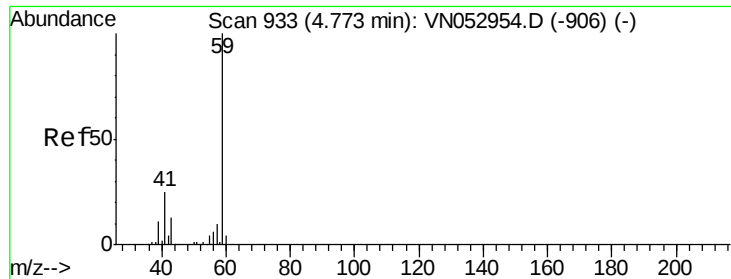


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



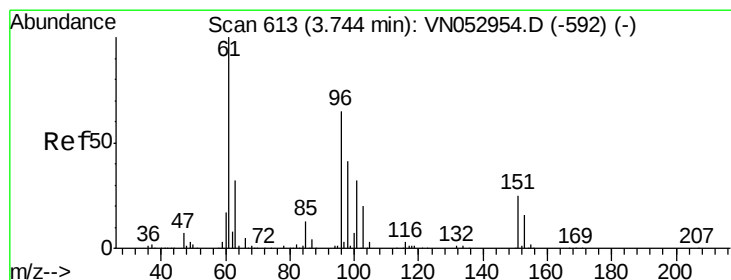
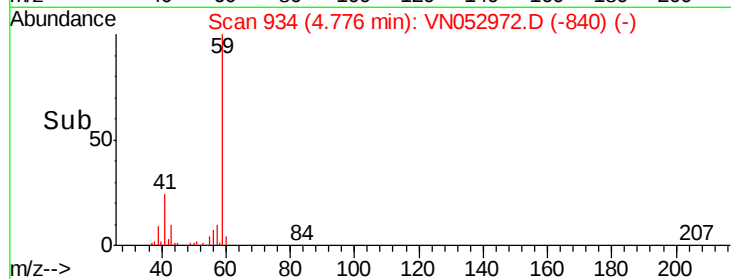
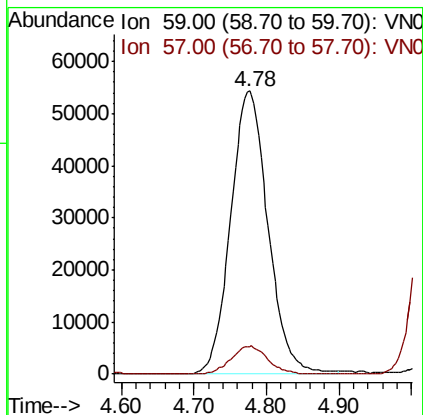
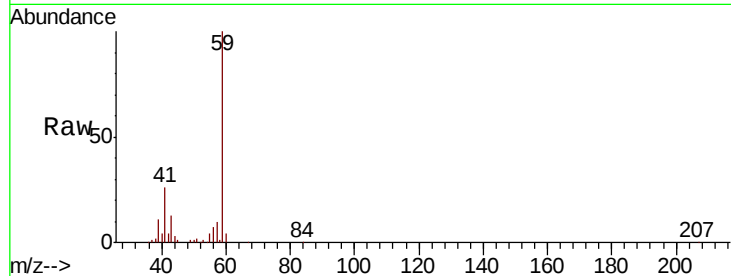


#11

Tert butyl alcohol
 Concen: 265.166 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

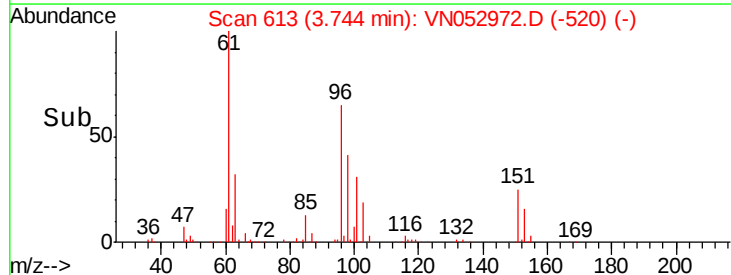
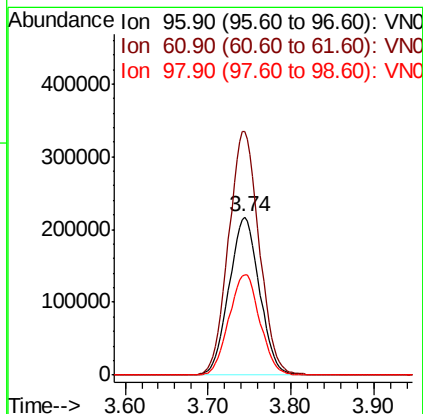
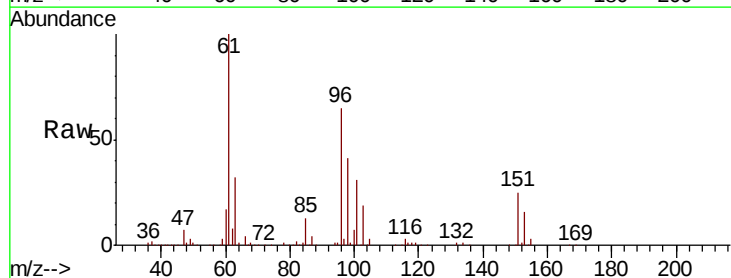
Tot Ion: 59 Resp: 194871
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.7 11.5

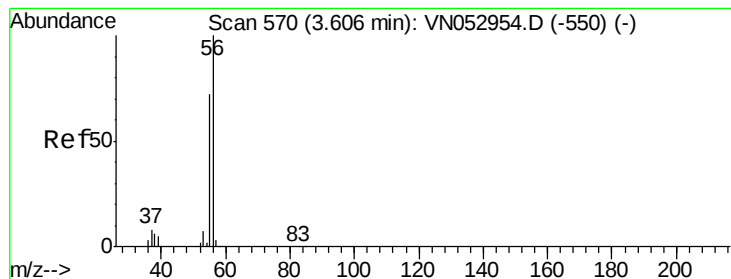


#12

1,1-Dichloroethene
 Concen: 49.157 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion: 96 Resp: 556082
 Ion Ratio Lower Upper
 96 100
 61 154.0 125.6 188.4
 98 63.6 50.6 75.8





#13

Acrolein

Concen: 344.290 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

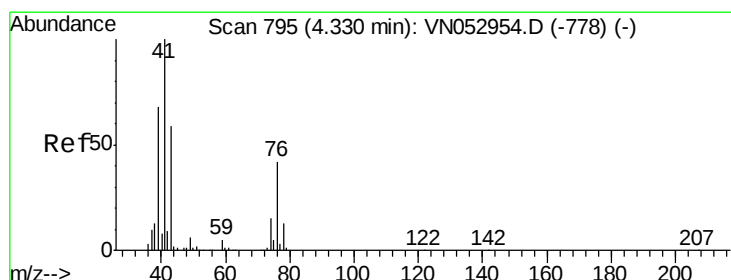
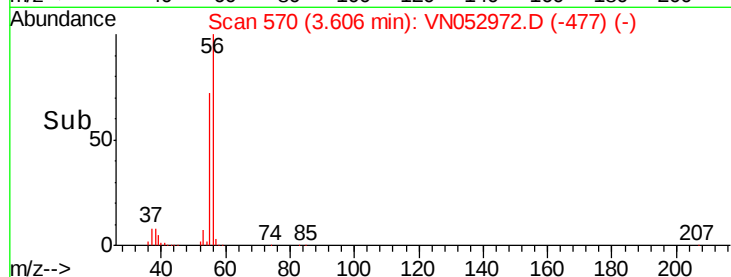
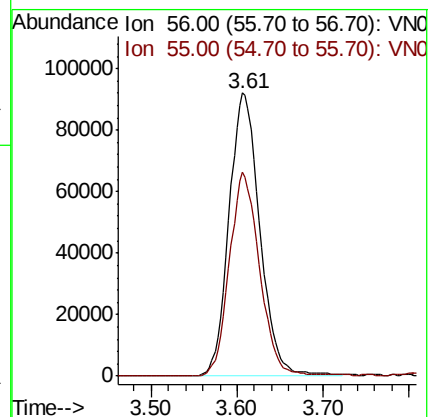
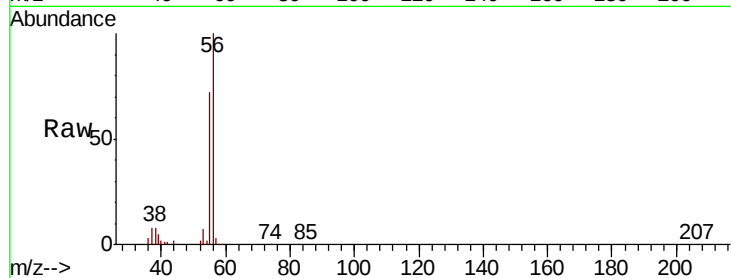
VSTDCCC050EC

Tot Ion: 56 Resp: 229423

Ion Ratio Lower Upper

56 100

55 70.4 56.6 85.0



#14

Allyl chloride

Concen: 52.512 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

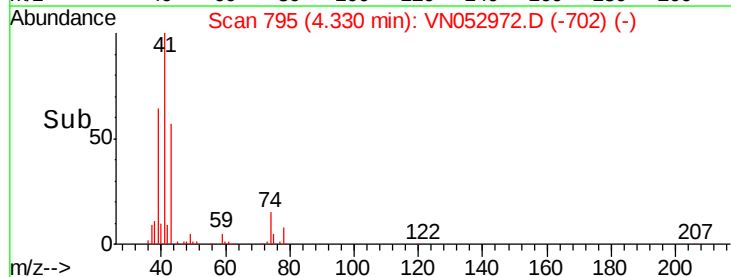
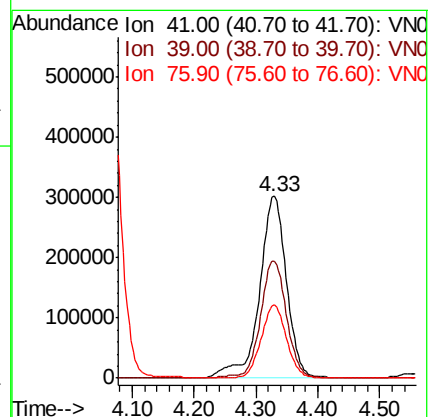
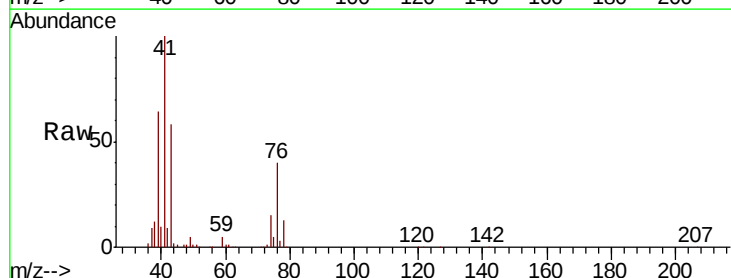
Tgt Ion: 41 Resp: 920146

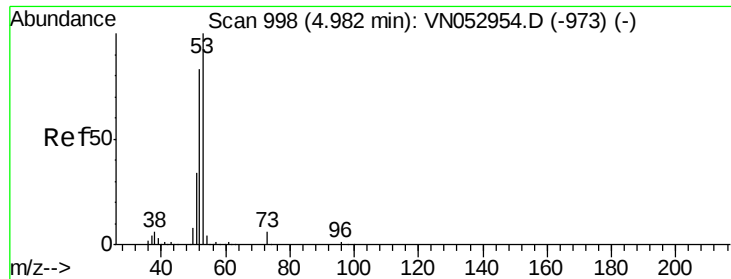
Ion Ratio Lower Upper

41 100

39 62.1 54.1 81.1

76 36.9 30.3 45.5





#15

Acrylonitrile

Concen: 254.234 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

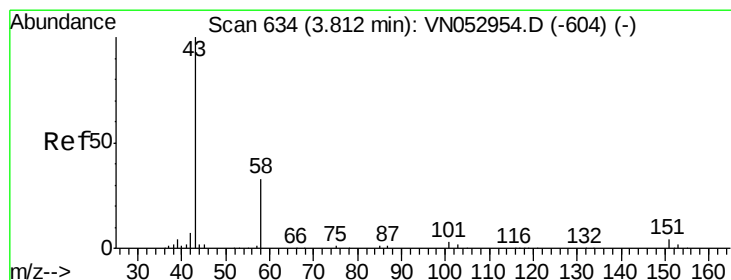
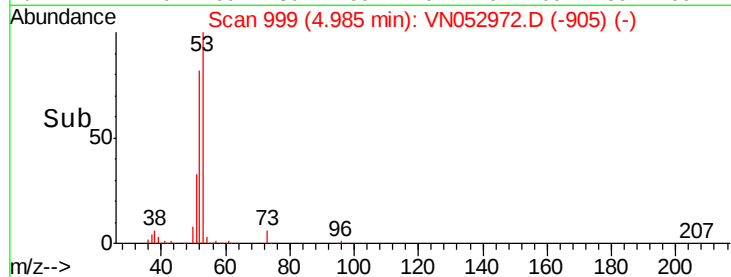
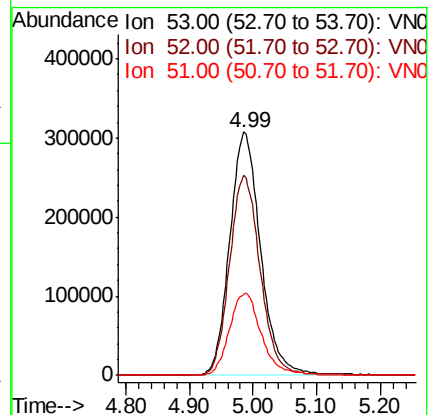
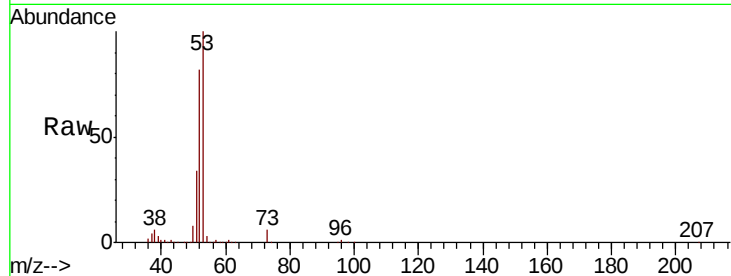
Tot Ion: 53 Resp: 1037971

Ion Ratio Lower Upper

53 100

52 81.2 65.1 97.7

51 35.0 28.1 42.1



#16

Acetone

Concen: 265.883 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052972.D

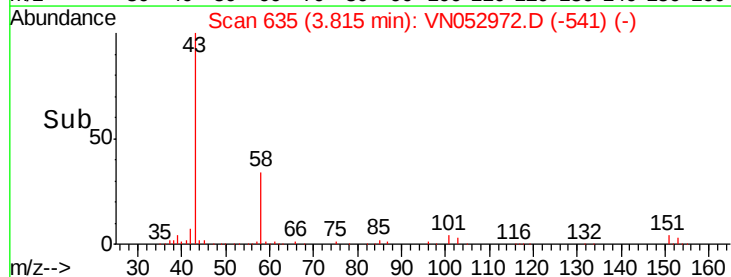
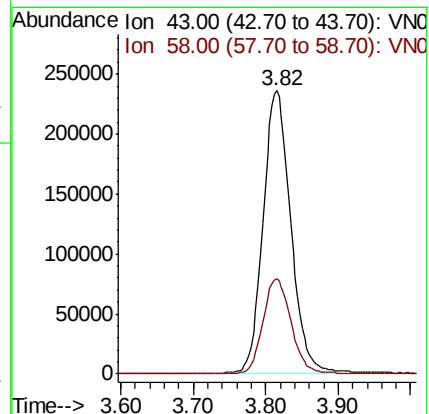
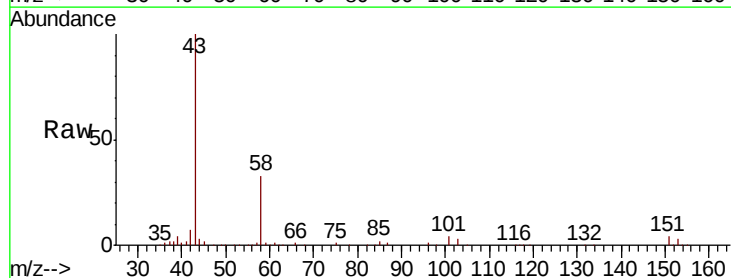
Acq: 18 Dec 2018 20:11

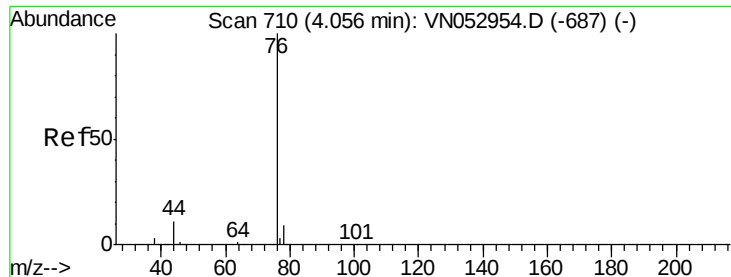
Tgt Ion: 43 Resp: 627890

Ion Ratio Lower Upper

43 100

58 33.3 25.4 38.0

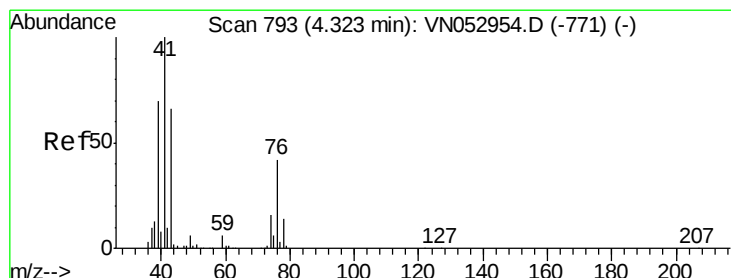
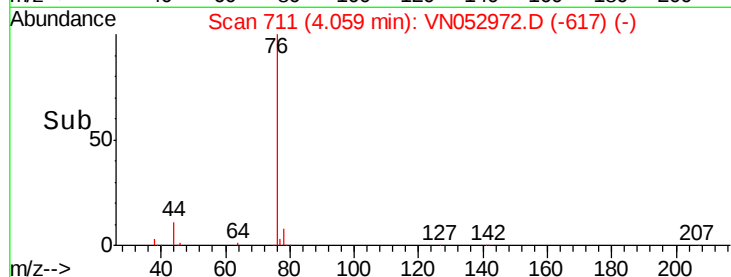
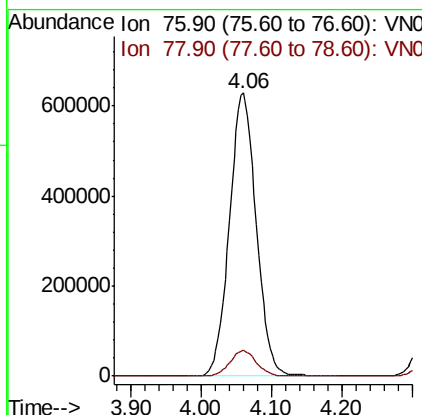
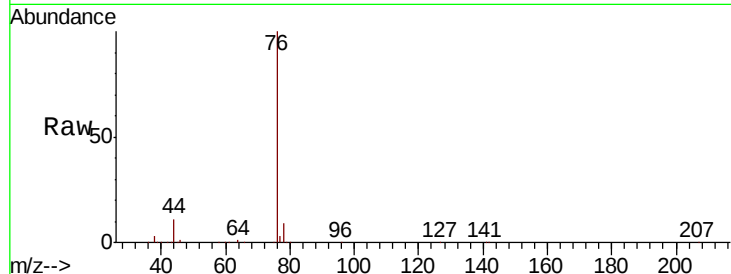




#17
Carbon Disulfide
Concen: 45.328 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

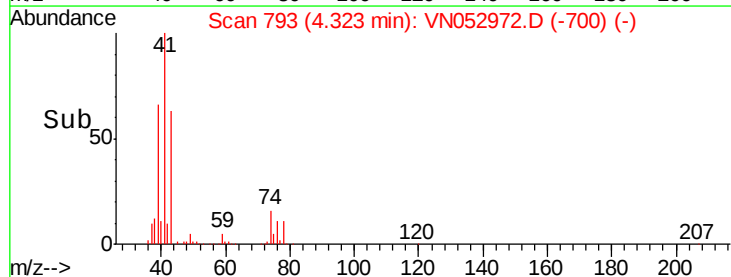
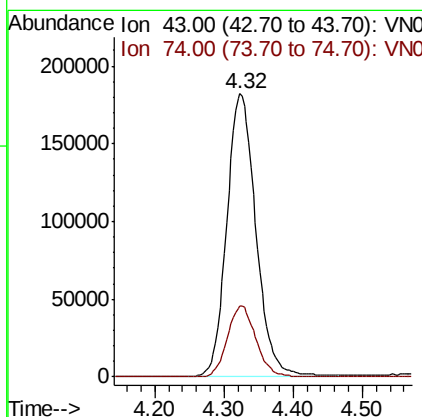
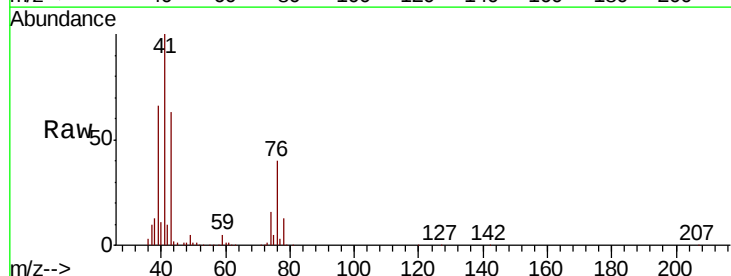
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

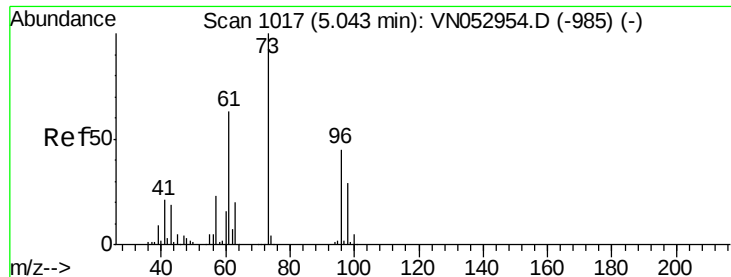
Tot Ion: 76 Resp: 1672250
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 49.496 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 43 Resp: 530401
Ion Ratio Lower Upper
43 100
74 24.7 19.2 28.8

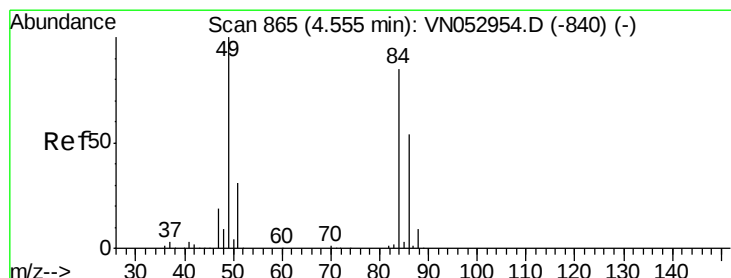
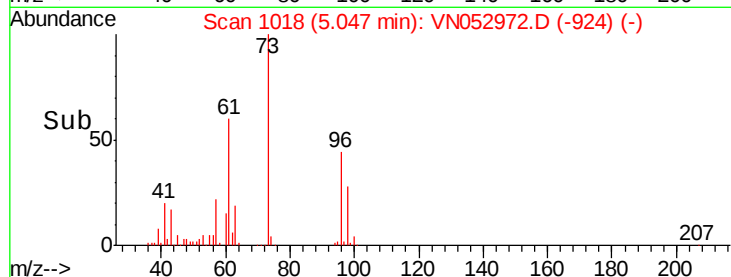
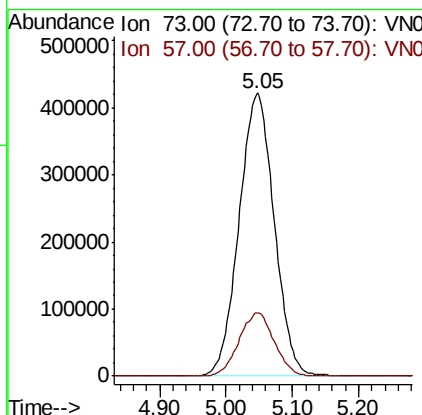
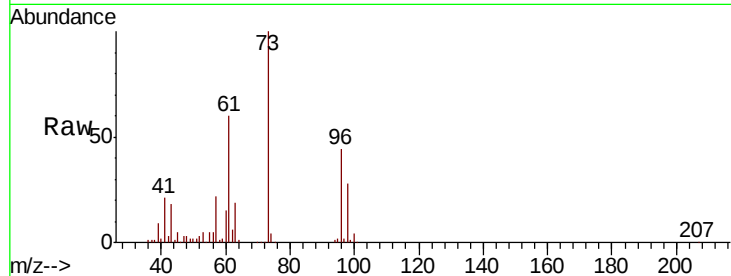




#19
Methyl tert-butyl Ether
Concen: 51.236 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

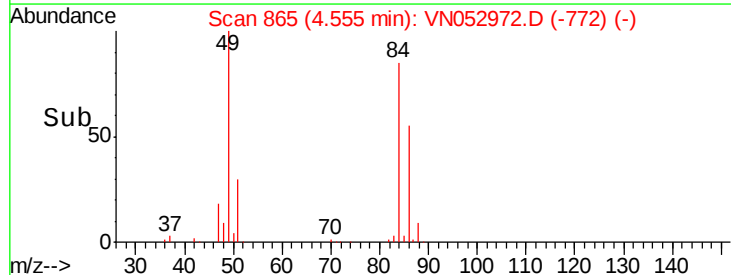
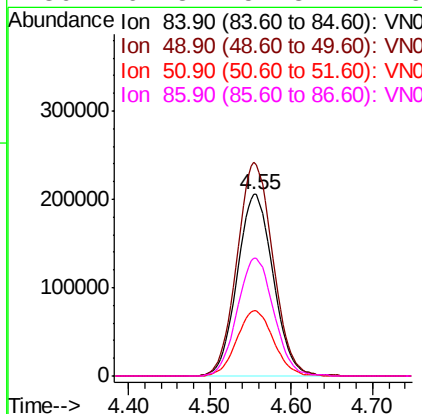
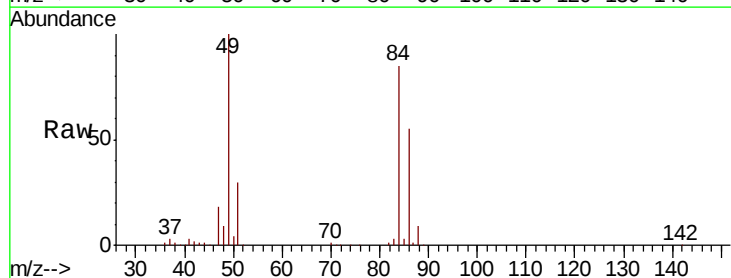
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

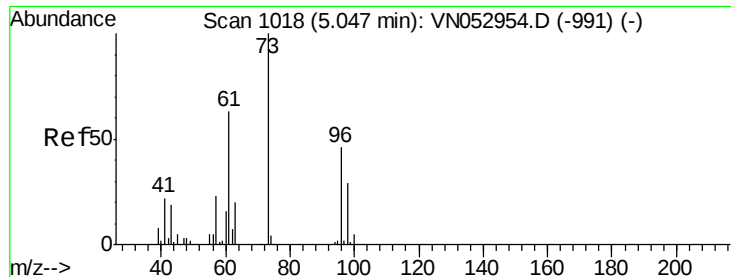
Tot Ion: 73 Resp: 1551066
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6



#20
Methylene Chloride
Concen: 48.855 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 84 Resp: 629341
Ion Ratio Lower Upper
84 100
49 117.6 96.8 145.2
51 35.8 29.9 44.9
86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 48.651 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

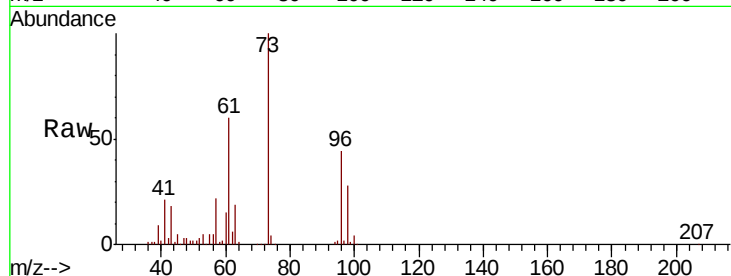
Tot Ion: 96 Resp: 591312

Ion Ratio Lower Upper

96 100

61 136.8 110.8 166.2

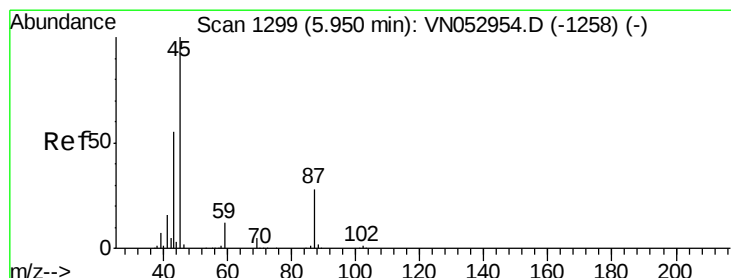
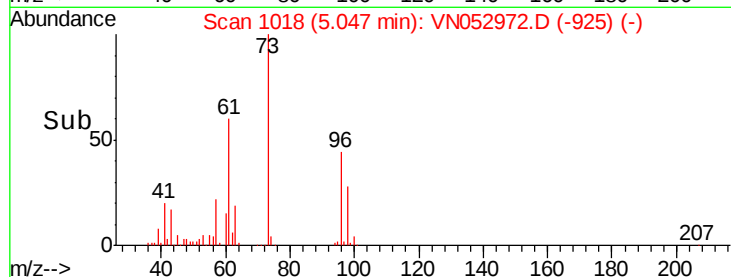
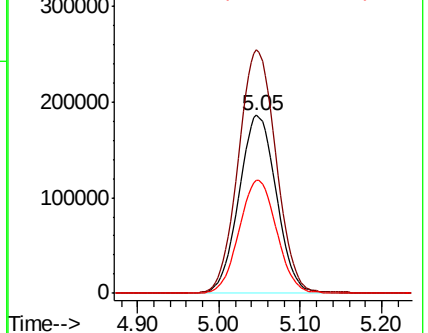
98 63.4 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 51.451 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Tgt Ion: 45 Resp: 1924376

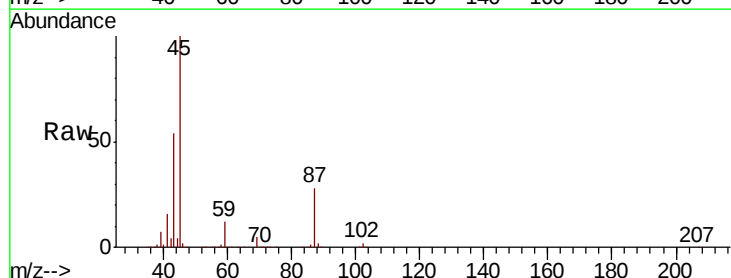
Ion Ratio Lower Upper

45 100

43 53.8 45.5 68.3

87 28.4 22.0 33.0

59 11.9 9.4 14.0

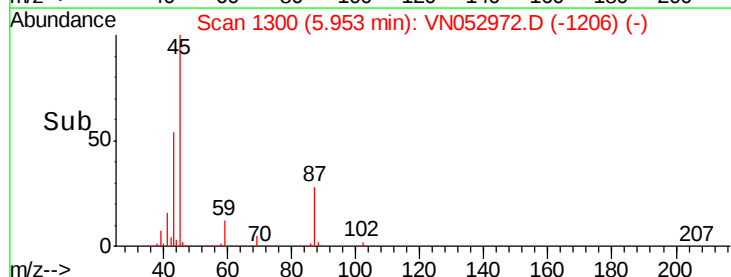
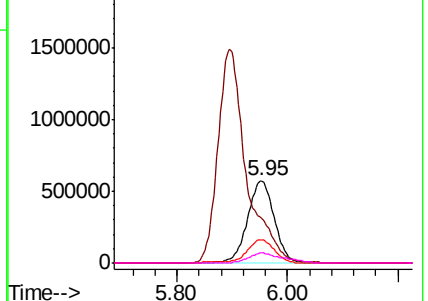


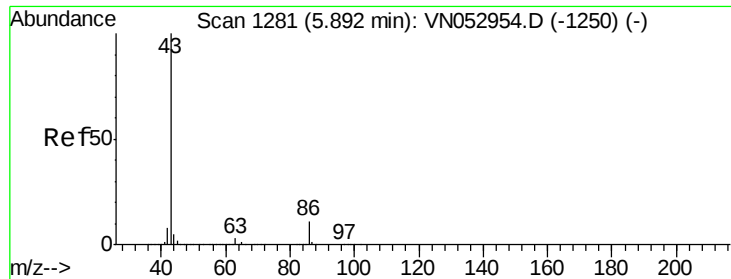
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 247.723 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

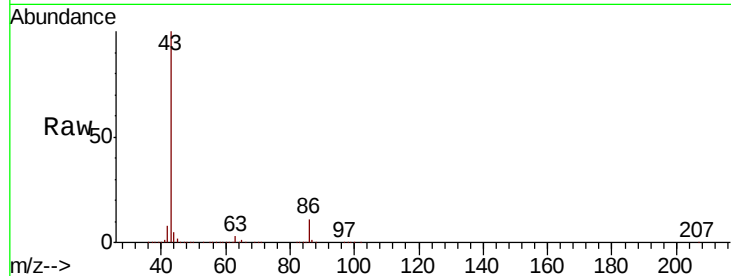
VSTDCCC050EC

Tot Ion: 43 Resp: 5327838

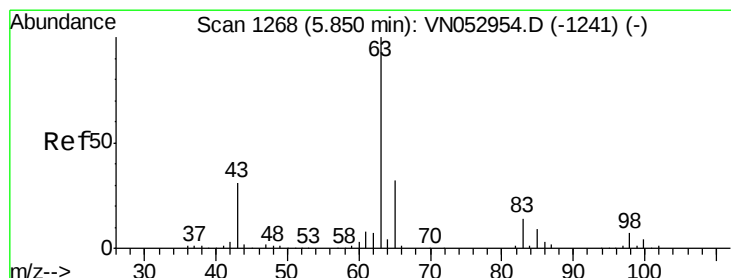
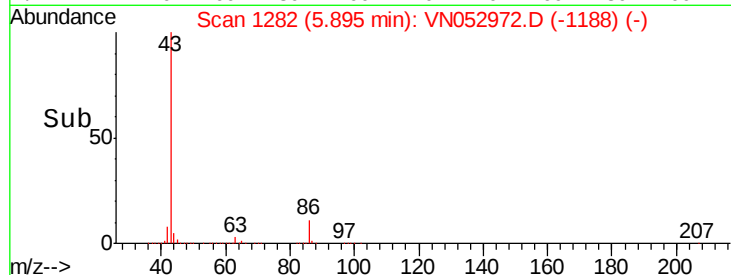
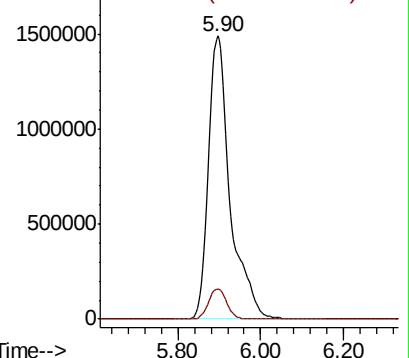
Ion Ratio Lower Upper

43 100

86 10.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052972.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 50.039 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

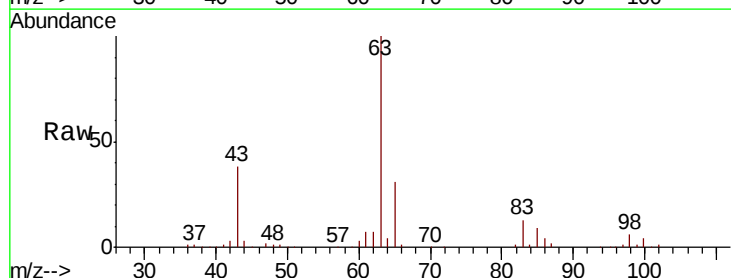
Tgt Ion: 63 Resp: 1112120

Ion Ratio Lower Upper

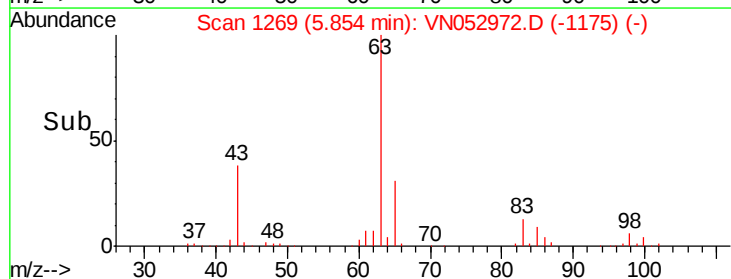
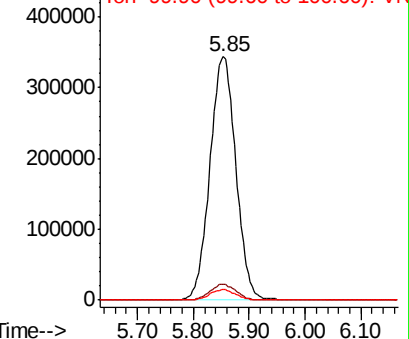
63 100

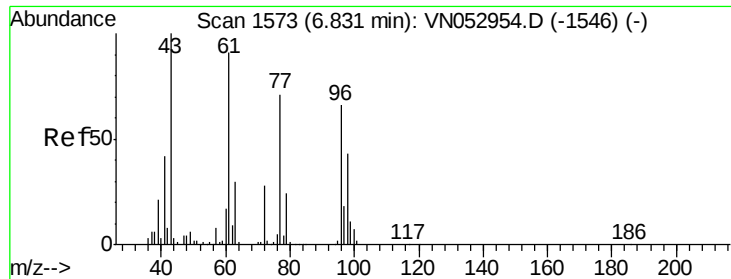
98 6.5 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052972.D (-1175) (-)





#25

2-Butanone

Concen: 270.149 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

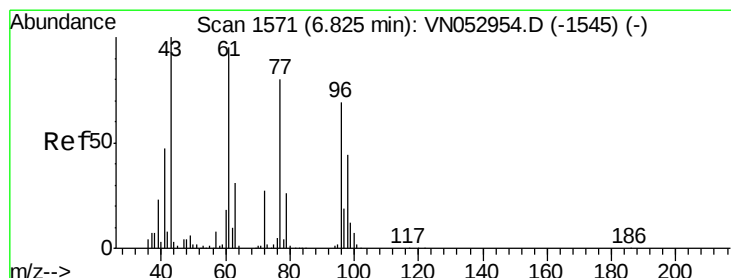
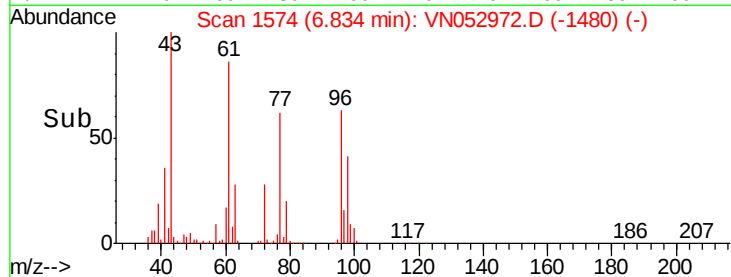
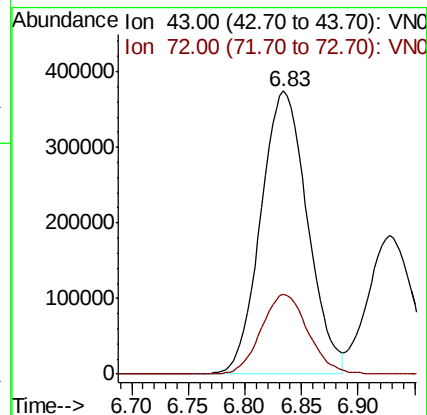
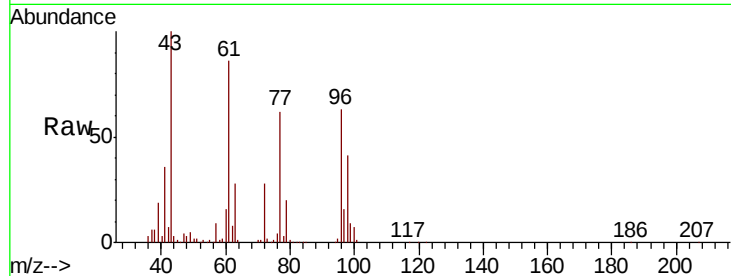
VSTDCCC050EC

Tot Ion: 43 Resp: 1070662

Ion Ratio Lower Upper

43 100

72 28.3 21.0 31.6



#26

2,2-Dichloropropane

Concen: 45.854 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052972.D

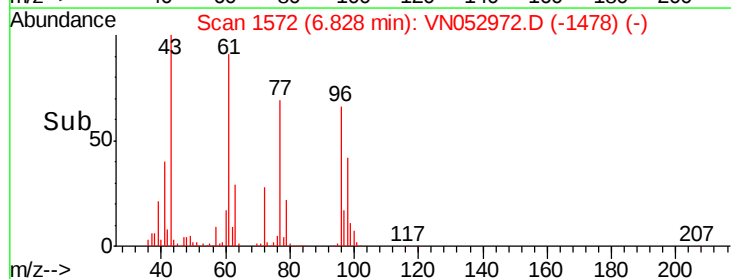
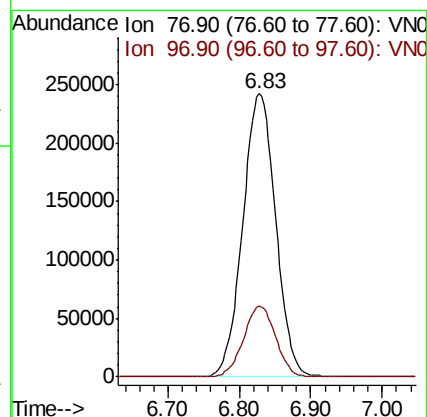
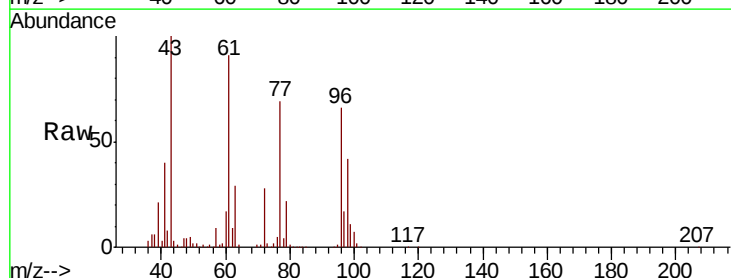
Acq: 18 Dec 2018 20:11

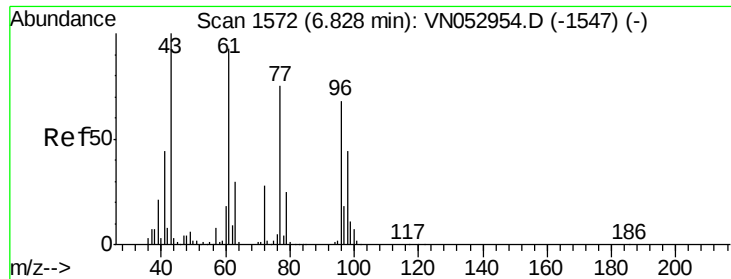
Tgt Ion: 77 Resp: 777966

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.838 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

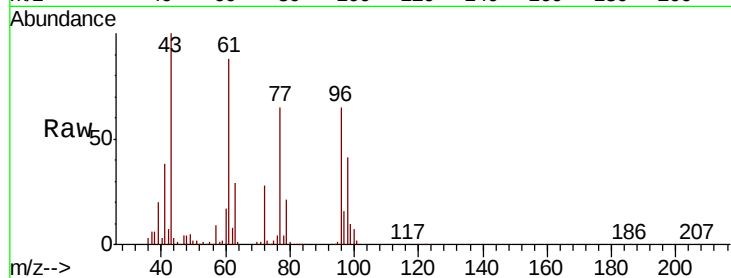
Tot Ion: 96 Resp: 685763

Ion Ratio Lower Upper

96 100

61 139.5 0.0 284.2

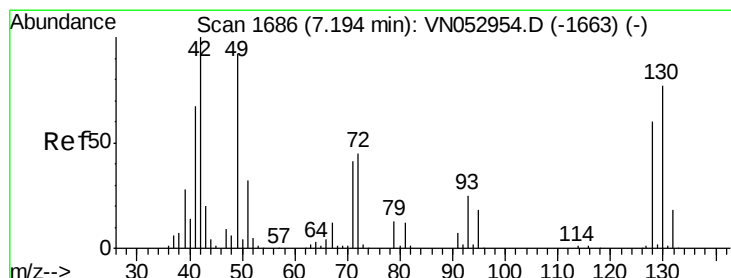
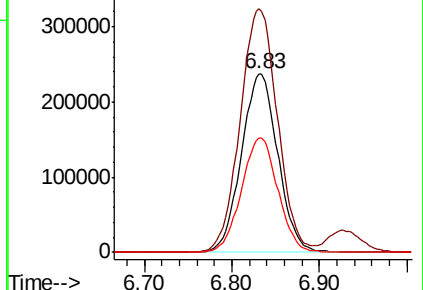
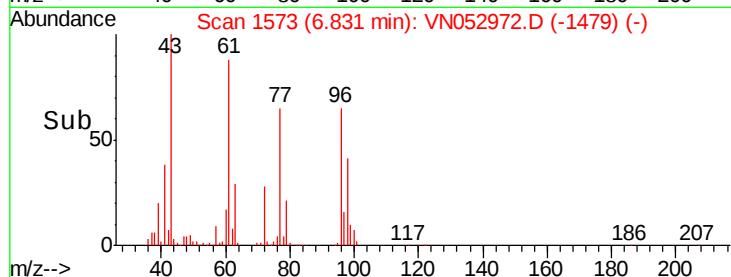
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 52.031 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

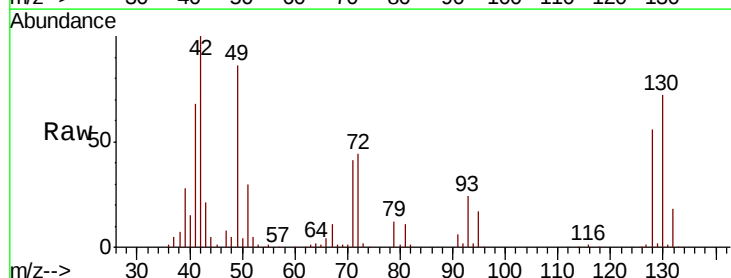
Tgt Ion: 49 Resp: 501096

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

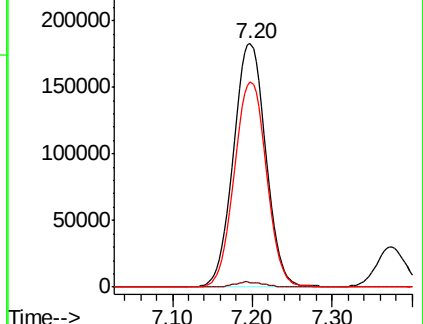
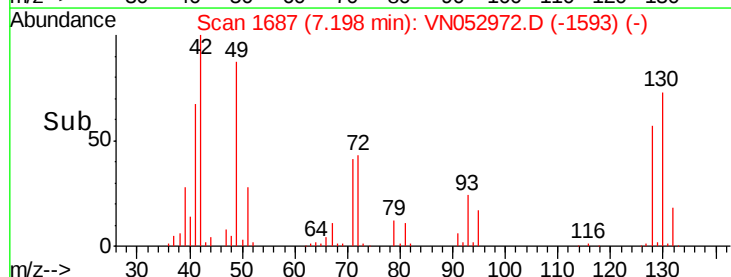
130 83.7 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

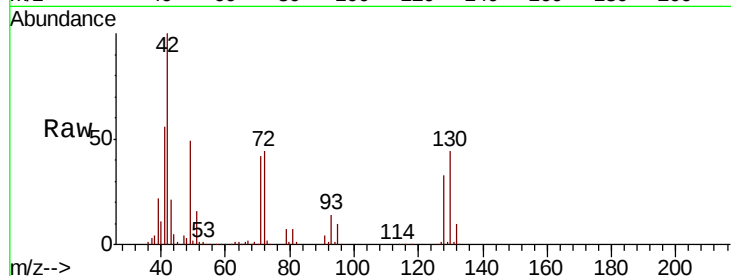




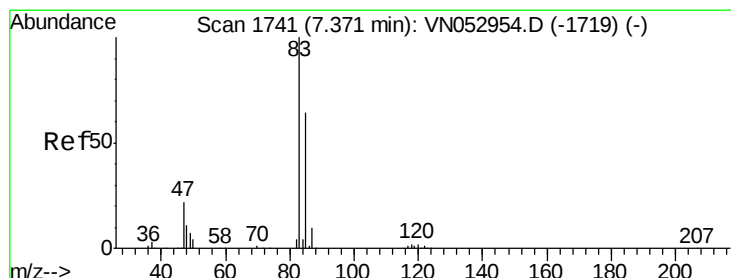
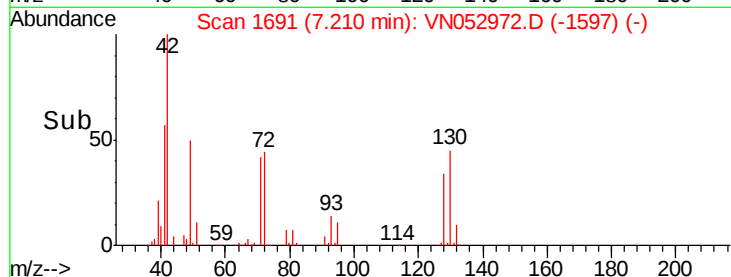
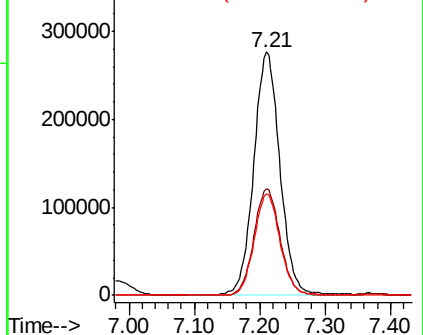
#29
Tetrahydrofuran
Concen: 260.451 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 770936
Ion Ratio Lower Upper
42 100
72 43.8 34.7 52.1
71 41.4 32.3 48.5

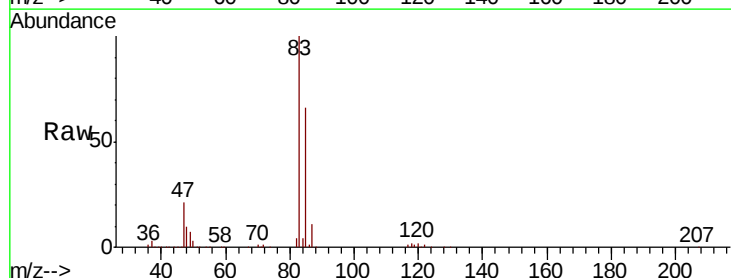


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

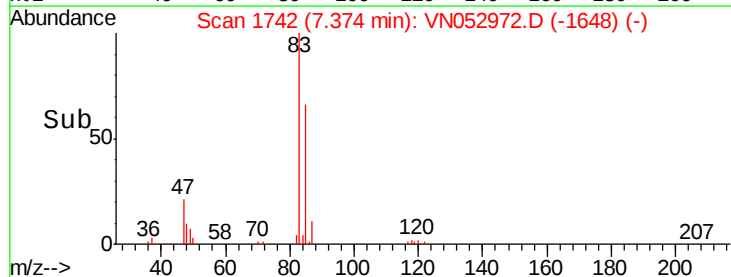
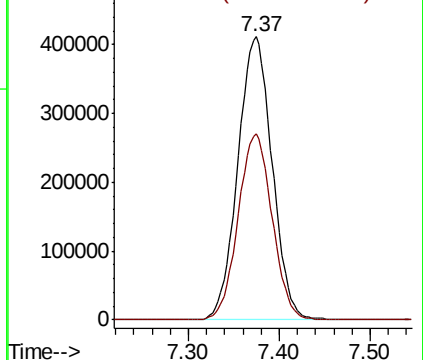


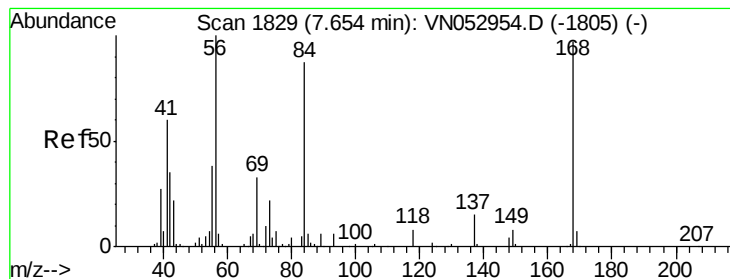
#30
Chloroform
Concen: 49.372 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 83 Resp: 1077946
Ion Ratio Lower Upper
83 100
85 65.8 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 50.227 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

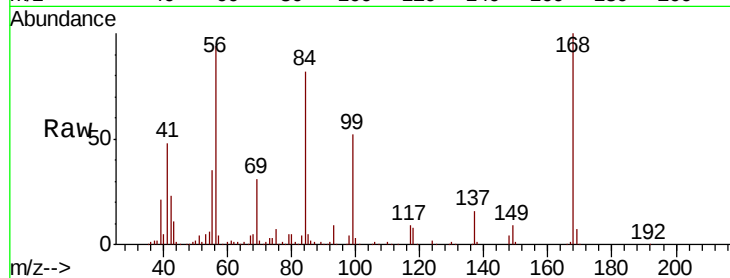
Tot Ion: 56 Resp: 1046868

Ion Ratio Lower Upper

56 100

69 33.1 26.6 39.8

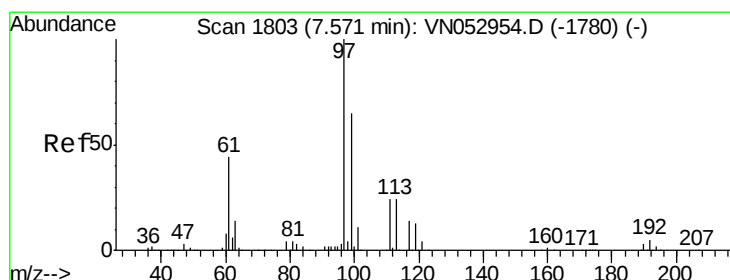
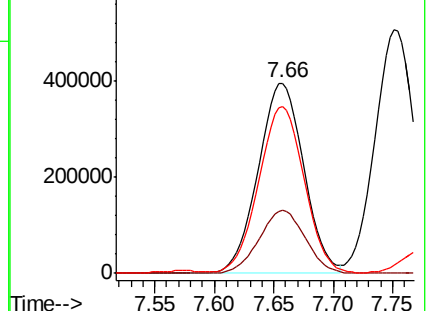
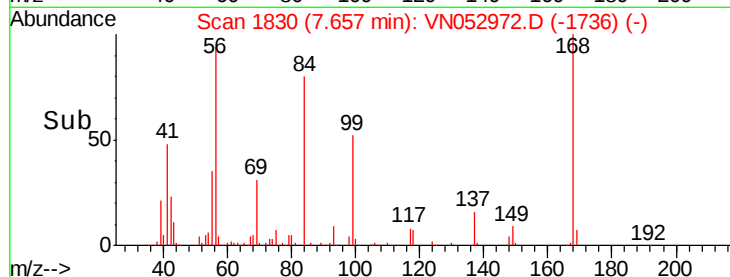
84 86.4 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN052972.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052972.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052972.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.491 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

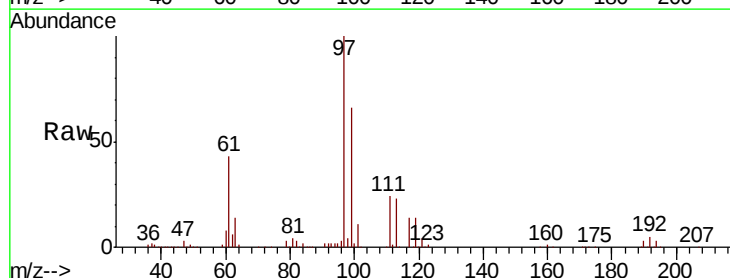
Tgt Ion: 97 Resp: 920473

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

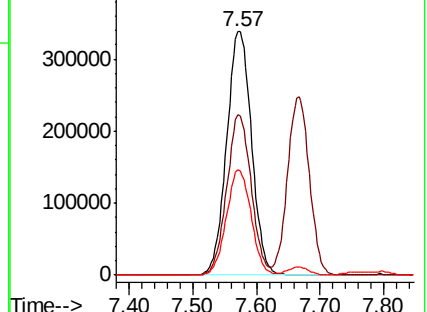
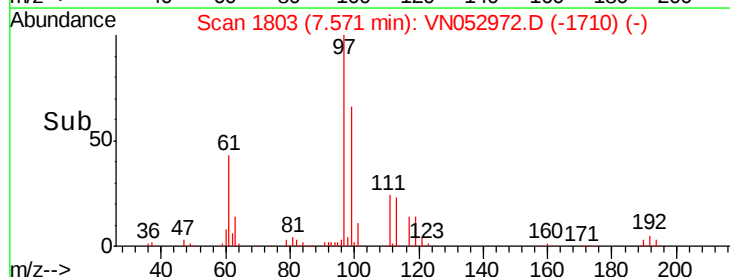
61 42.7 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN052972.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN052972.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN052972.D (-1710) (-)

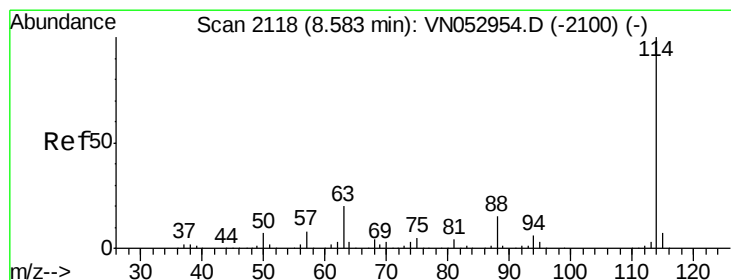
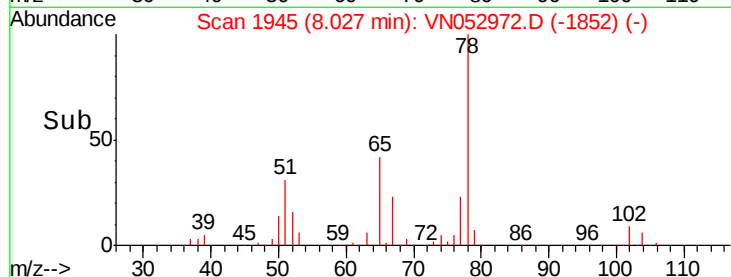
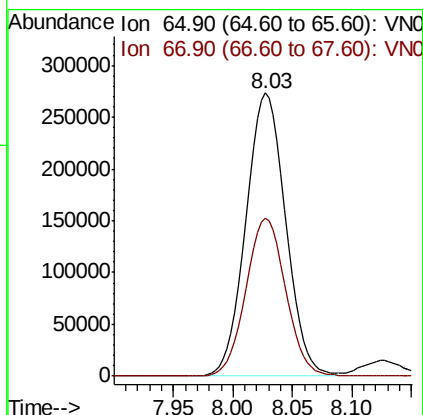
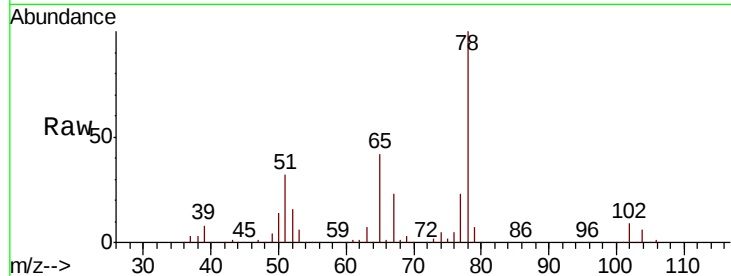




#33
 1,2-Dichloroethane-d4
 Concen: 49.491 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

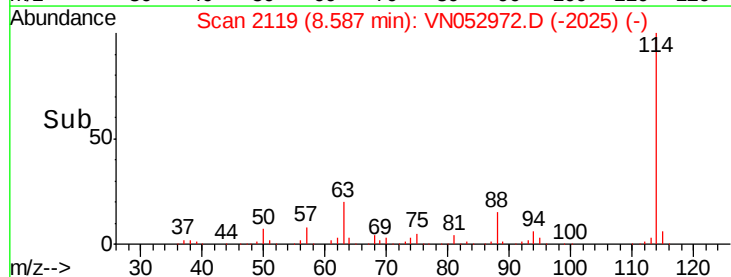
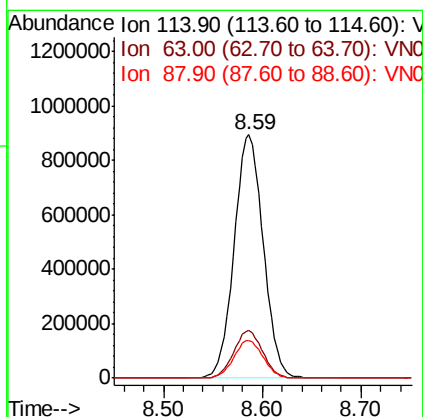
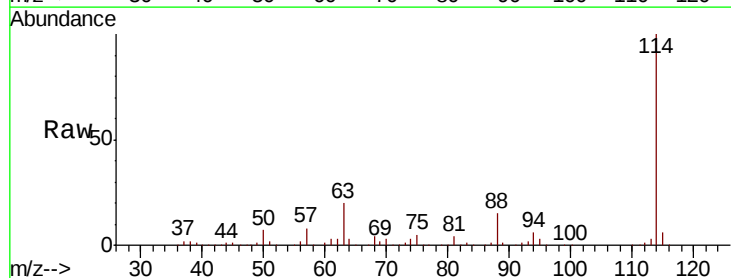
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

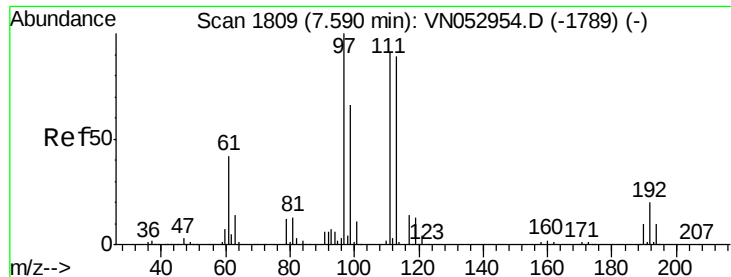
Tot Ion: 65 Resp: 633466
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion: 114 Resp: 1830313
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.4 0.0 31.0

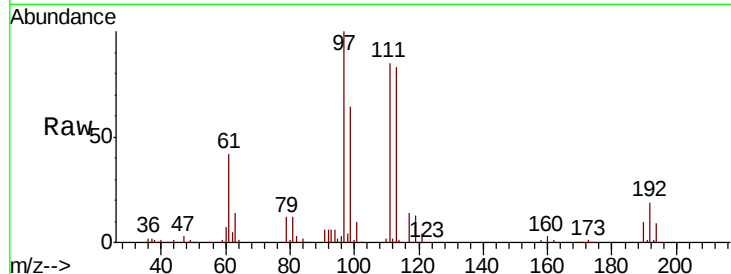




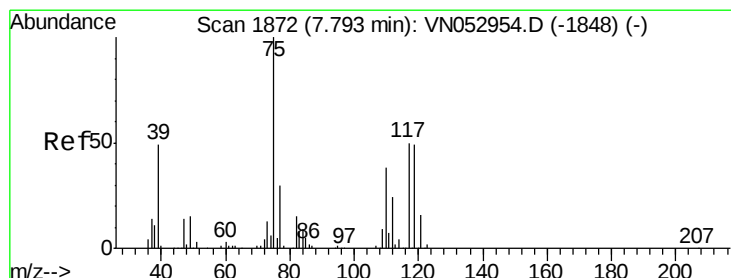
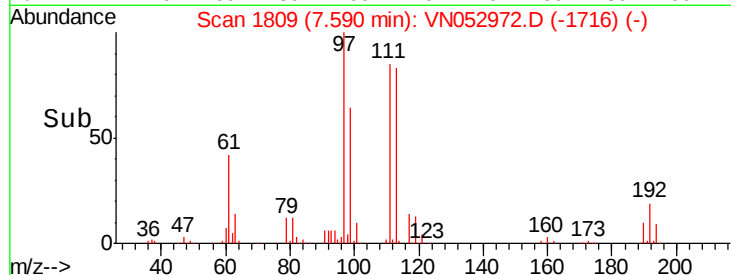
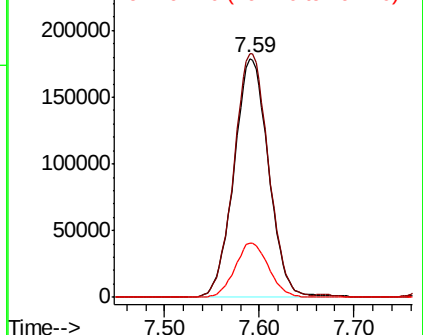
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 453885
 Ion Ratio Lower Upper
 113 100
 111 102.1 83.0 124.4
 192 22.2 17.5 26.3

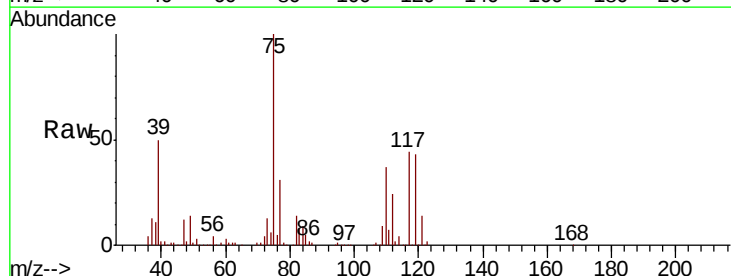


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

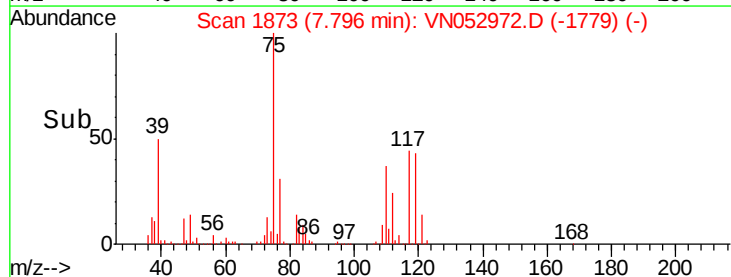
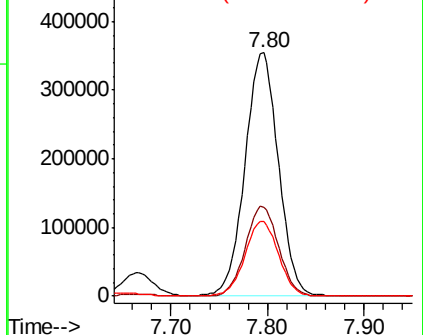


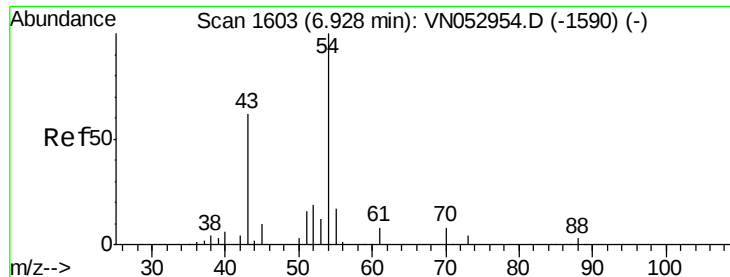
#36
 1,1-Dichloropropene
 Concen: 48.237 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion: 75 Resp: 847421
 Ion Ratio Lower Upper
 75 100
 110 36.9 18.2 54.6
 77 31.2 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

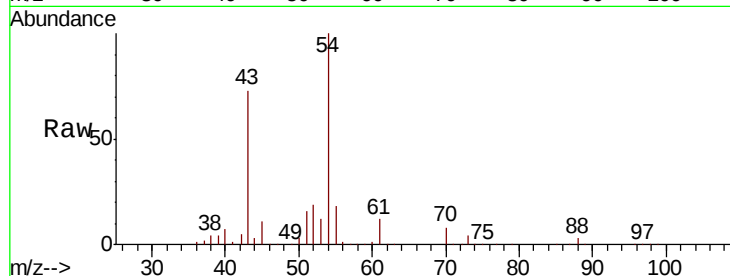




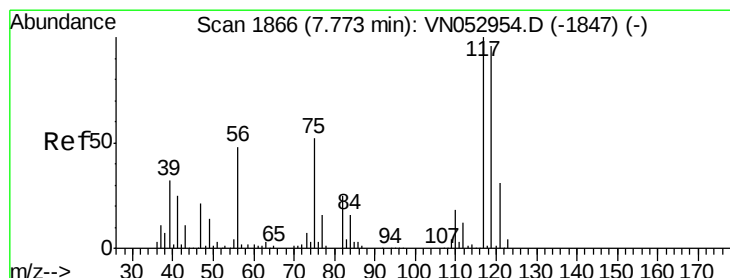
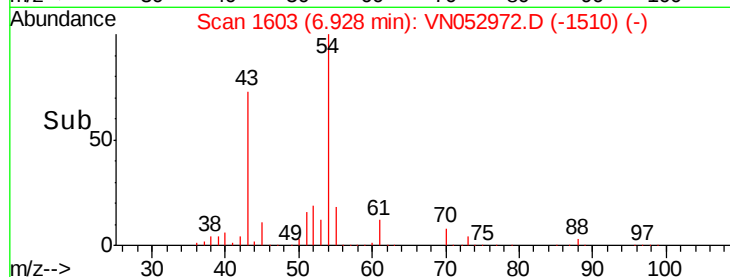
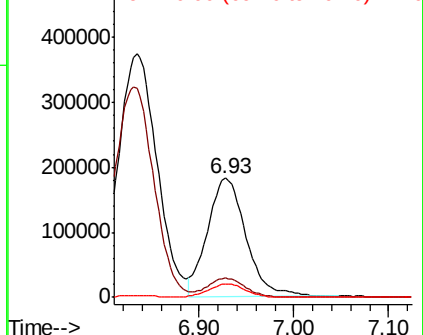
#37
Ethyl Acetate
Concen: 52.421 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 514108
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 11.2 8.4 12.6

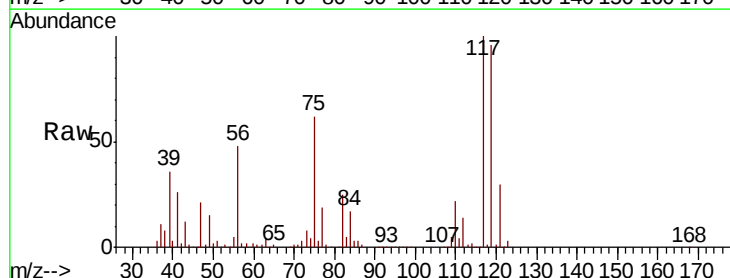


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

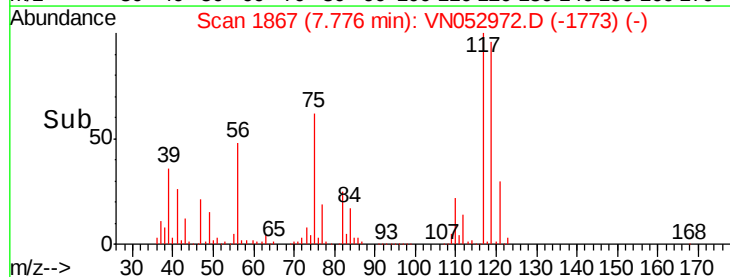
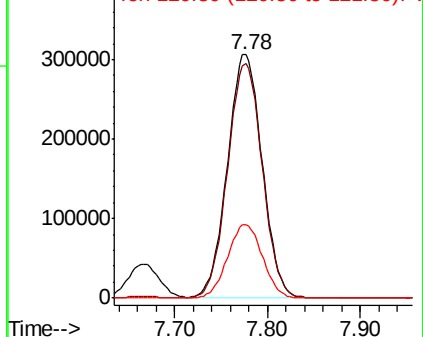


#38
Carbon Tetrachloride
Concen: 49.280 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 117 Resp: 793526
Ion Ratio Lower Upper
117 100
119 96.2 77.1 115.7
121 30.3 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

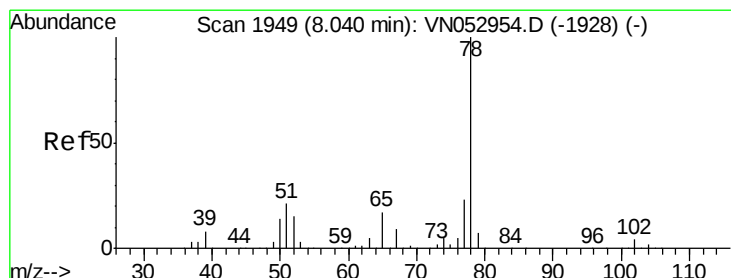
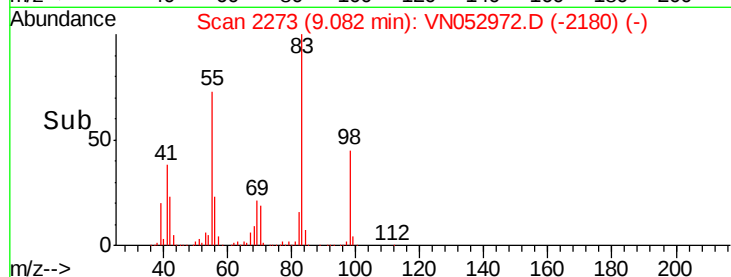
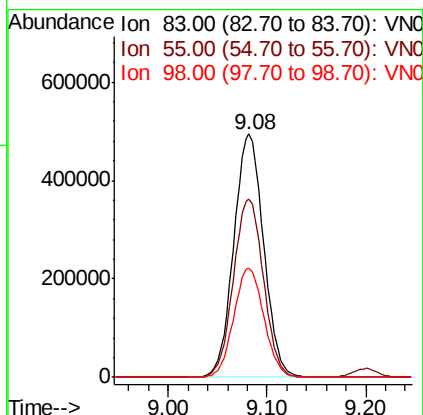
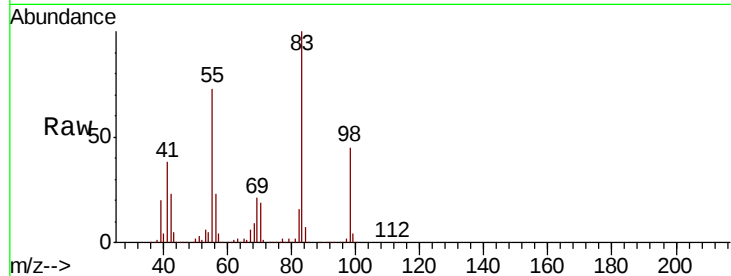




#39
Methvlcvclohexane
Concen: 48.494 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

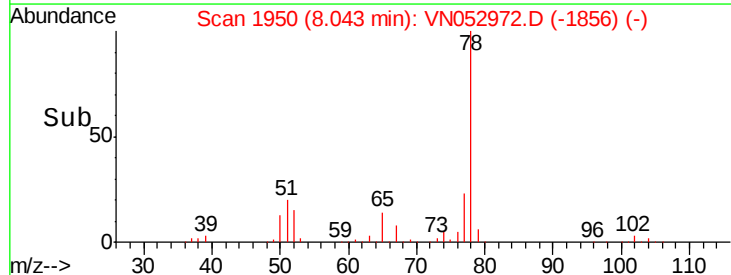
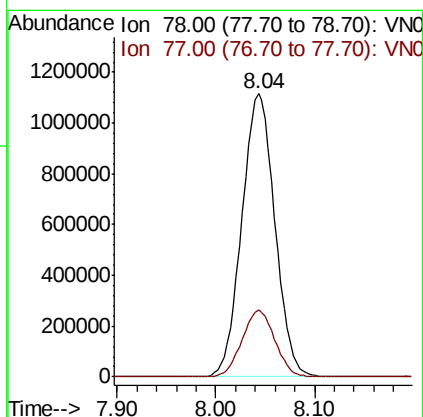
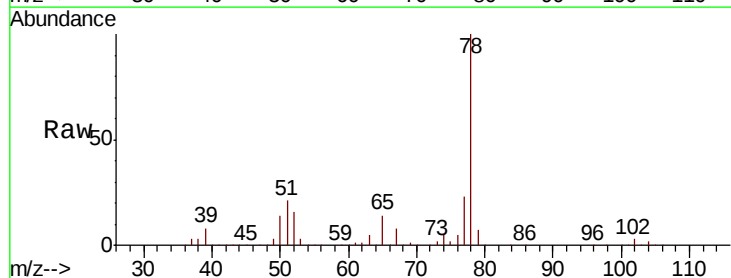
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

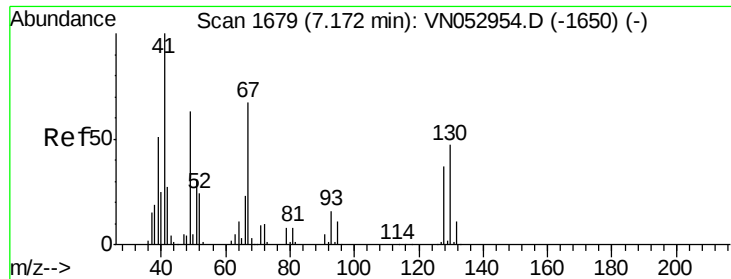
Tot Ion: 83 Resp: 1034933
Ion Ratio Lower Upper
83 100
55 73.5 61.3 91.9
98 44.9 37.0 55.4



#40
Benzene
Concen: 49.447 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 78 Resp: 2583874
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7

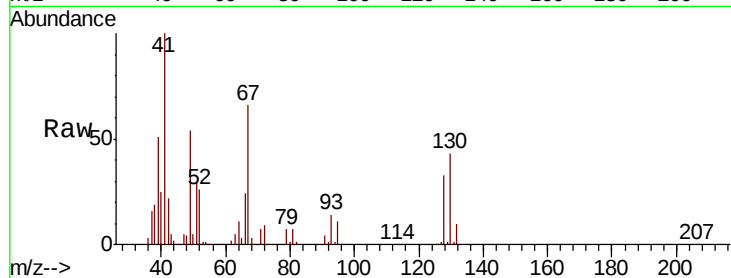




#41
Methacrylonitrile
Concen: 54.137 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	306770
Ion	Ratio	Lower	Upper
41	100		
39	59.0	48.0	72.0
67	79.9	70.3	105.5
52	30.3	26.9	40.3



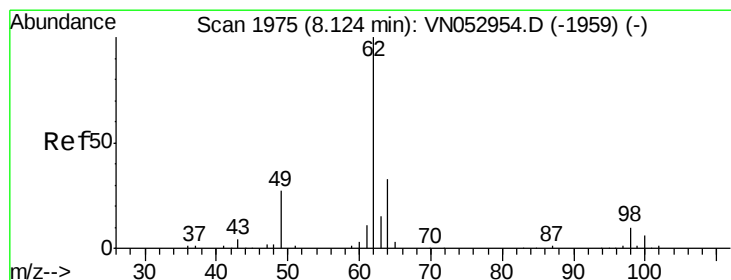
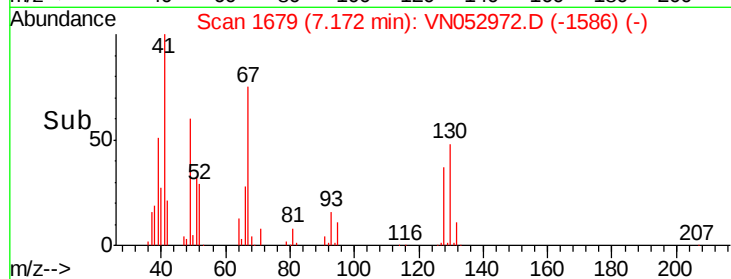
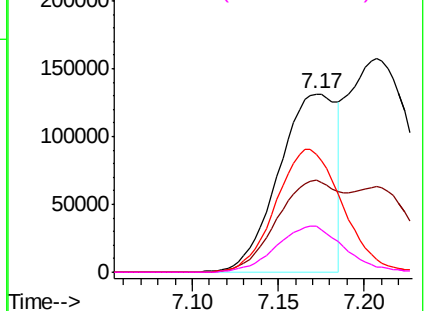
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

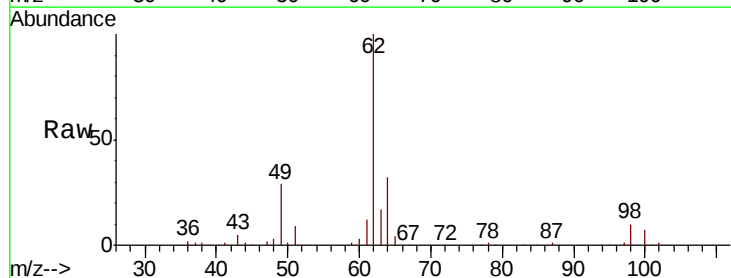
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 49.252 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

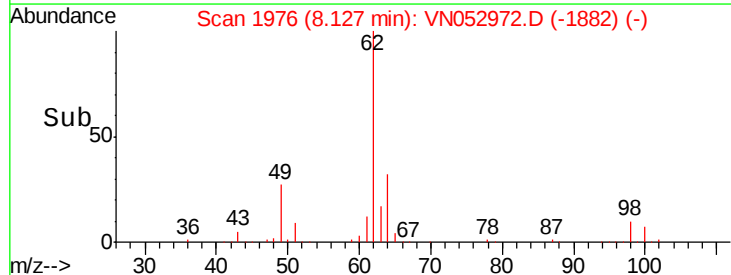
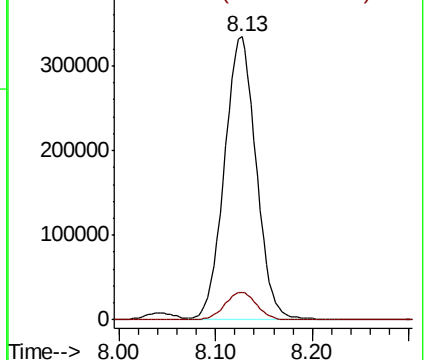
Tgt Ion:	62	Resp:	760306
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0

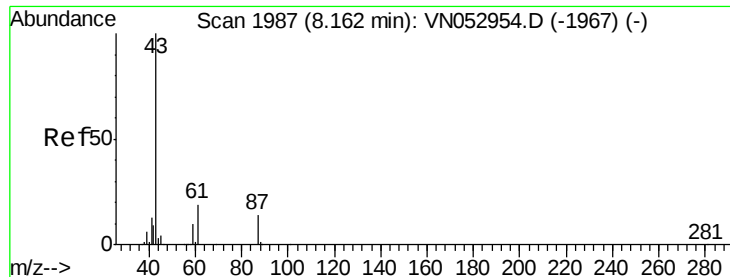


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 51.670 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

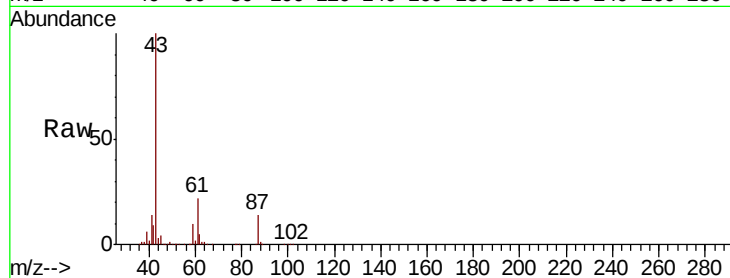
Tot Ion: 43 Resp: 979968

Ion Ratio Lower Upper

43 100

61 29.0 22.9 34.3

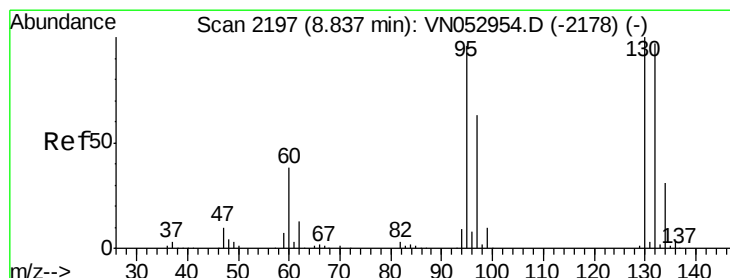
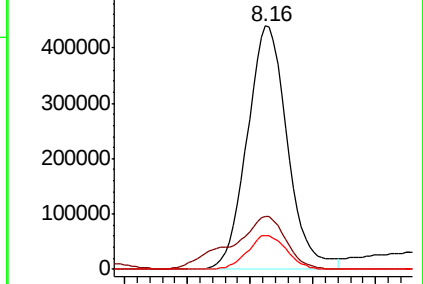
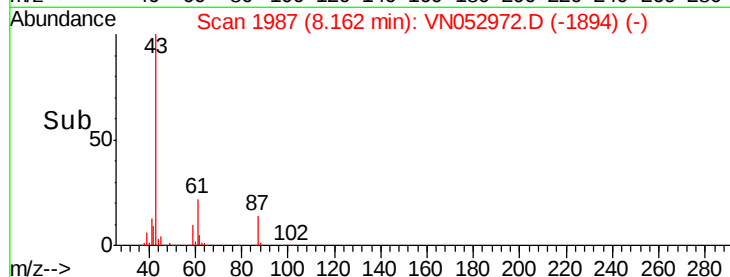
87 13.7 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052972.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN052972.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN052972.D (-1894) (-)



#44

Trichloroethene

Concen: 48.575 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052972.D

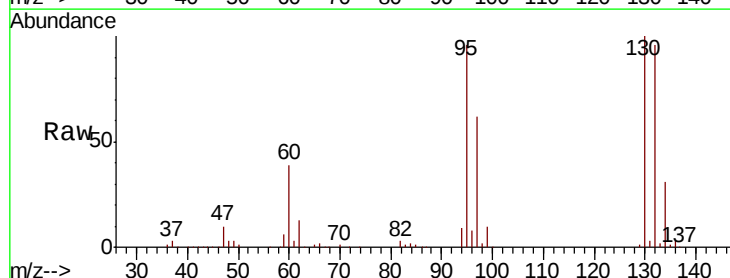
Acq: 18 Dec 2018 20:11

Tgt Ion: 130 Resp: 734173

Ion Ratio Lower Upper

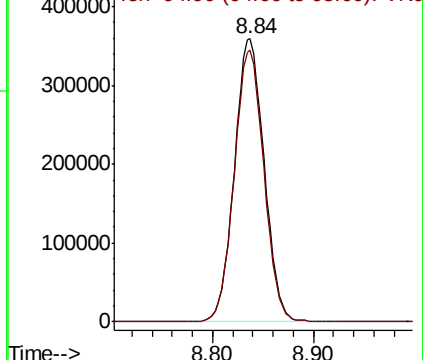
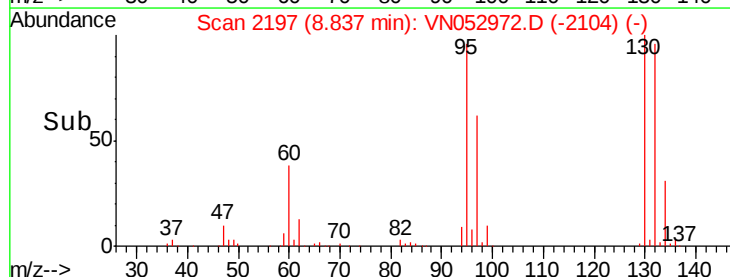
130 100

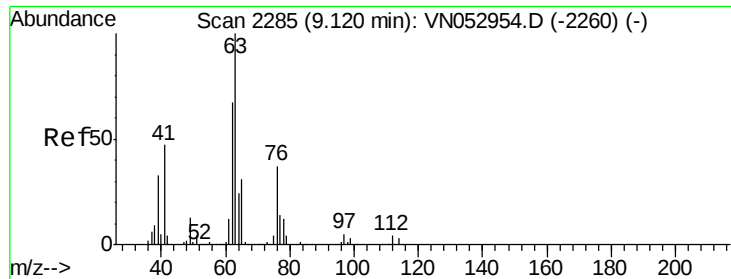
95 95.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052972.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052972.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 50.215 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

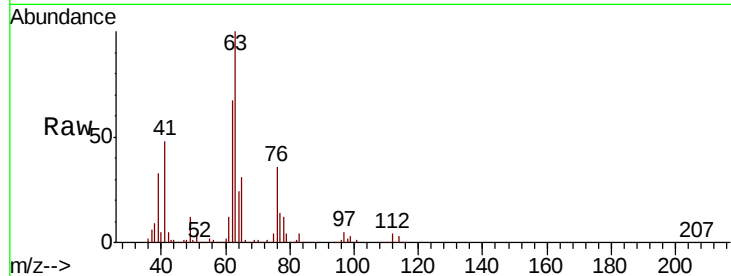
VSTDCCC050EC

Tot Ion: 63 Resp: 683478

Ion Ratio Lower Upper

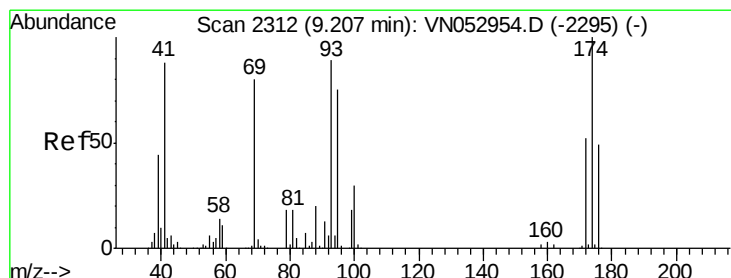
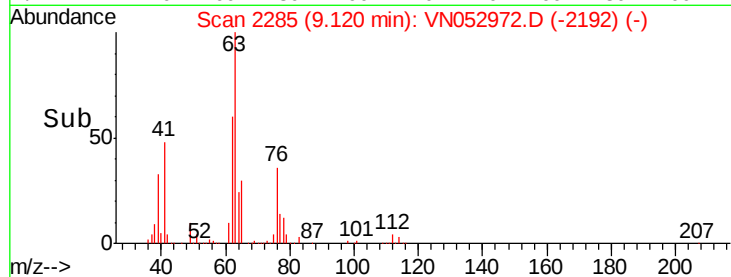
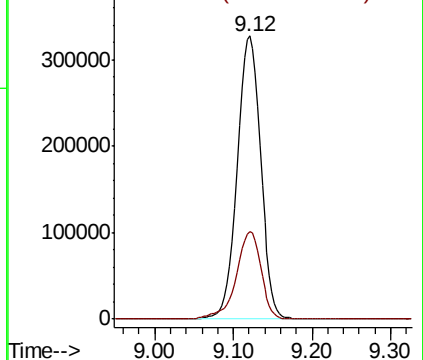
63 100

65 30.9 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.341 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

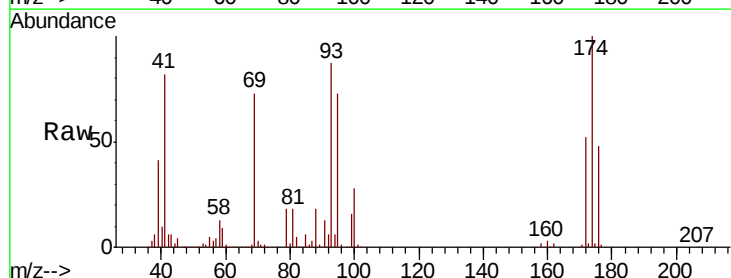
Tgt Ion: 93 Resp: 391220

Ion Ratio Lower Upper

93 100

95 83.6 67.8 101.6

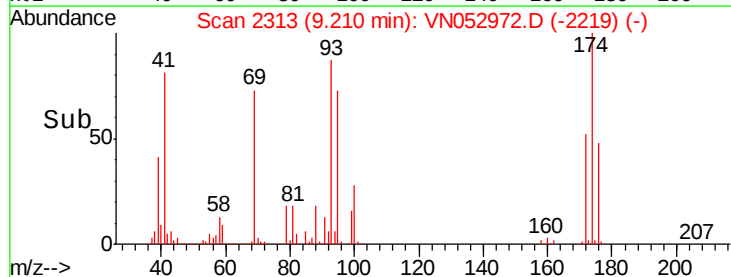
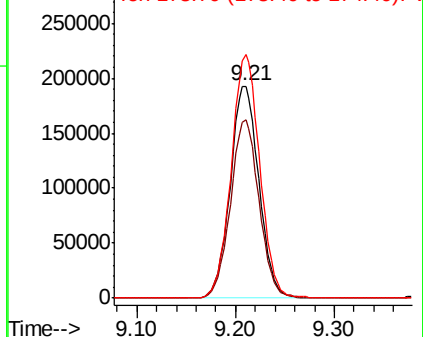
174 114.2 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

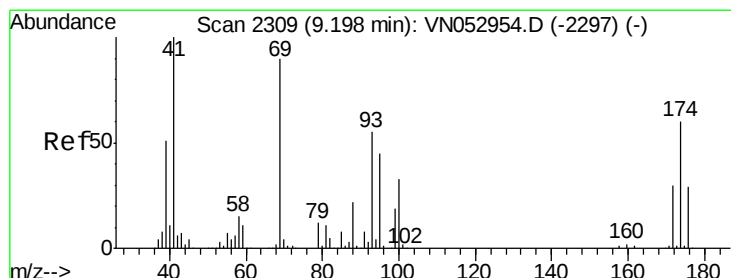
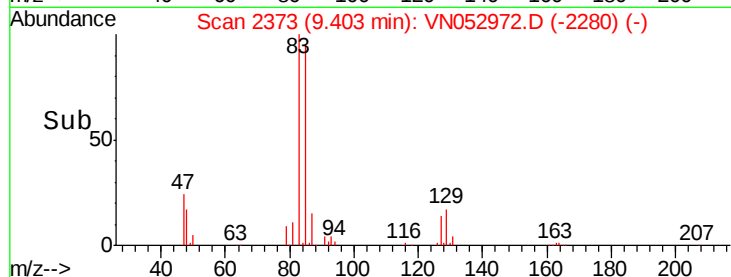
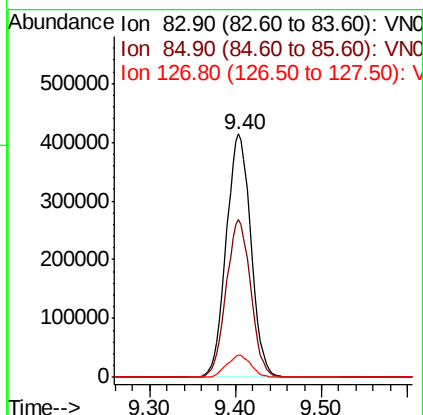
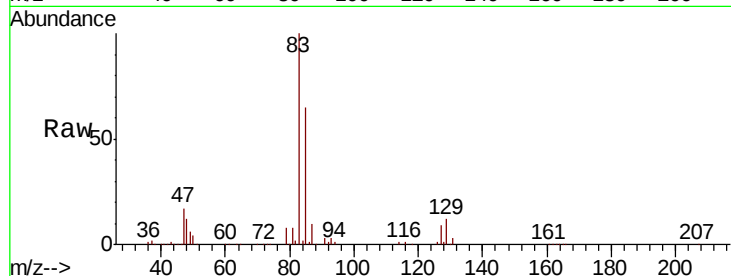




#47
Bromodichloromethane
Concen: 48.866 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

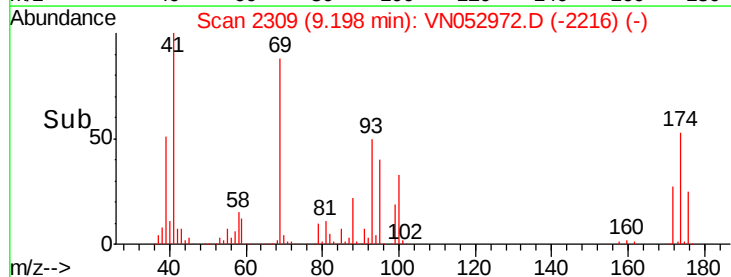
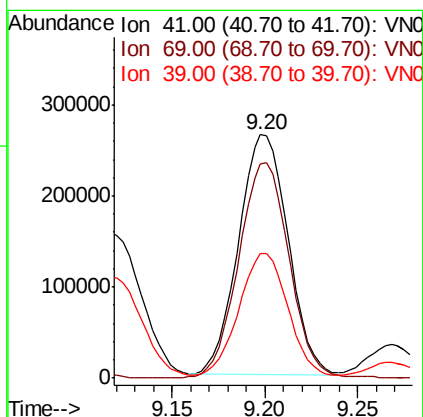
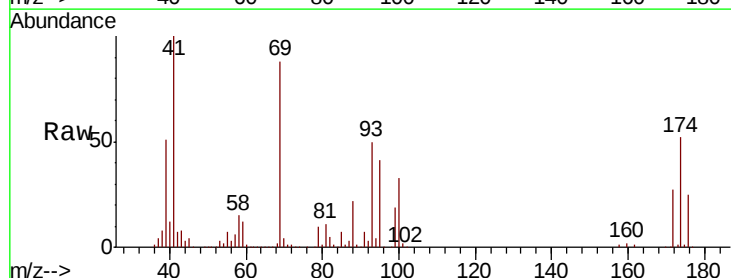
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

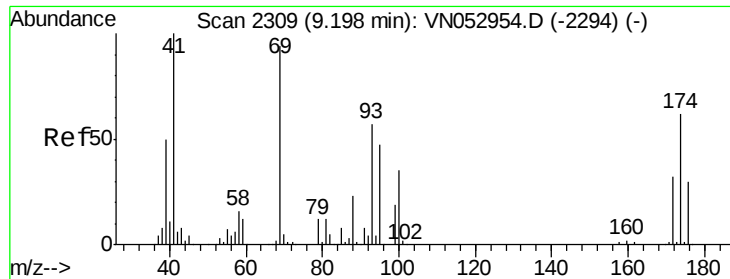
Tot Ion: 83 Resp: 823599
Ion Ratio Lower Upper
83 100
85 64.7 51.6 77.4
127 9.2 7.1 10.7



#48
Methyl methacrylate
Concen: 51.335 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 41 Resp: 488537
Ion Ratio Lower Upper
41 100
69 92.1 72.2 108.2
39 52.5 41.9 62.9



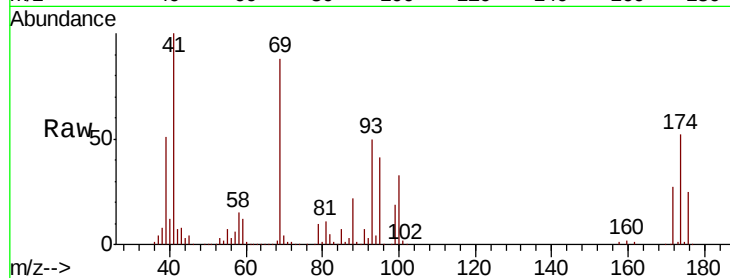


#49
 1,4-Dioxane
 Concen: 985.269 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

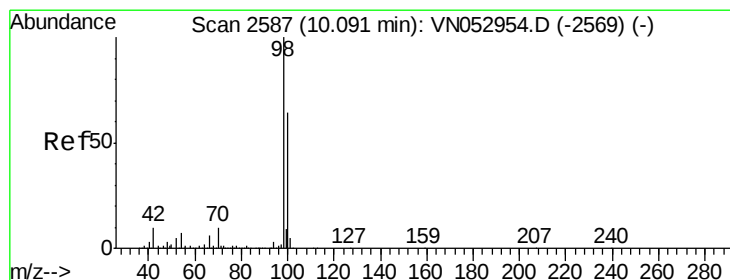
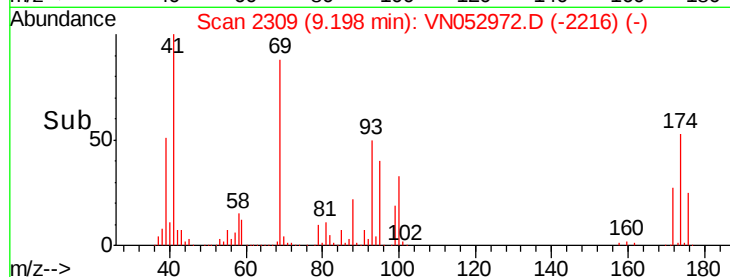
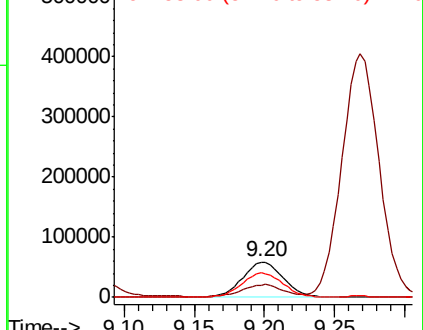
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 118608

Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.6	40.0
58	69.8	58.4	87.6



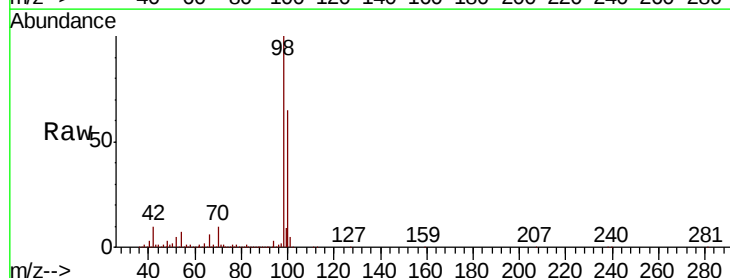
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



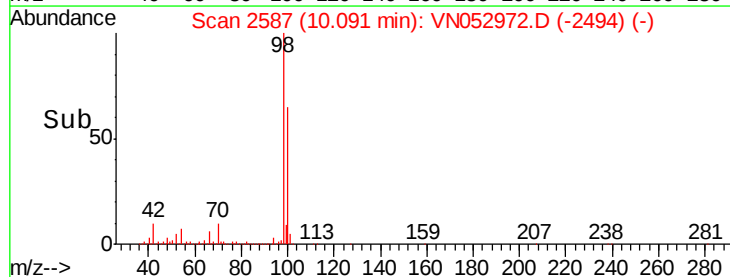
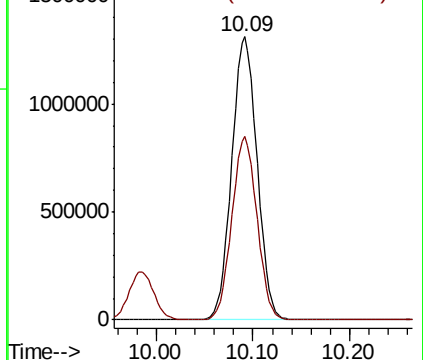
#50
 Toluene-d8
 Concen: 985.269 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

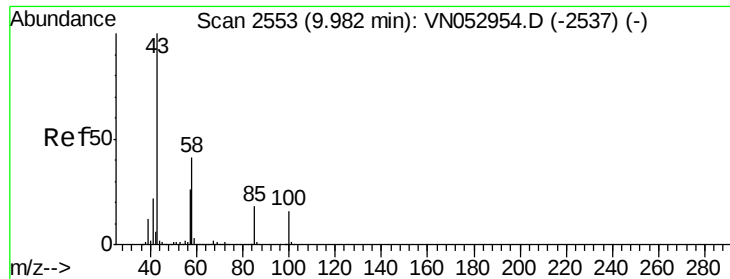
Tgt Ion: 98 Resp: 2383254

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4



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





#51

4-Methyl-2-Pentanone

Concen: 267.464 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

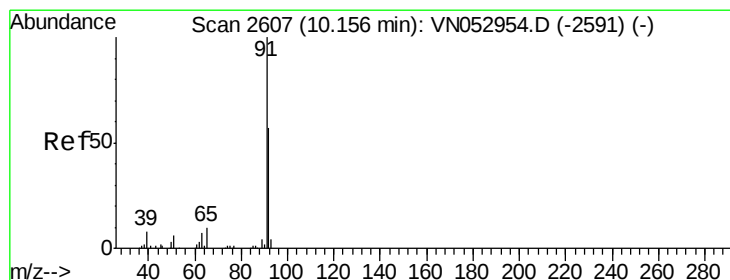
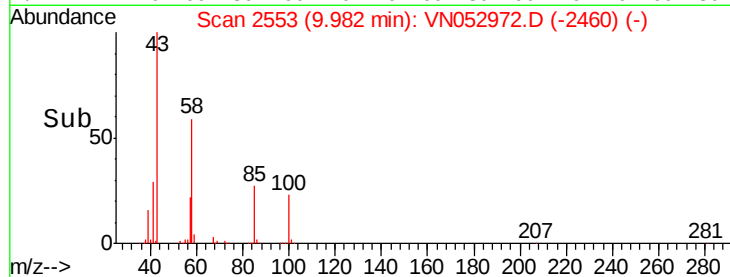
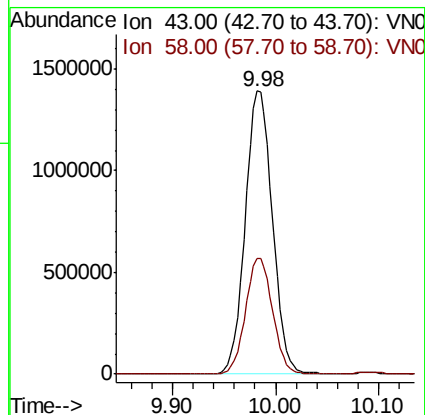
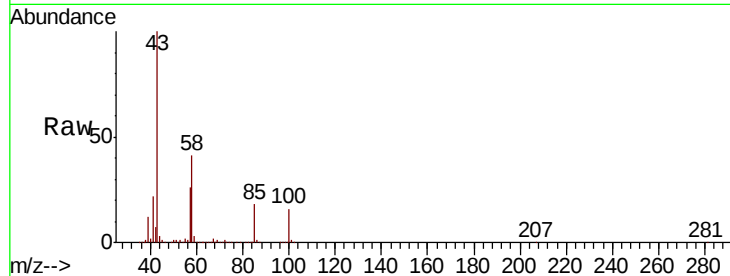
VSTDCCC050EC

Tot Ion: 43 Resp: 2540249

Ion Ratio Lower Upper

43 100

58 40.8 32.2 48.4



#52

Toluene

Concen: 50.366 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052972.D

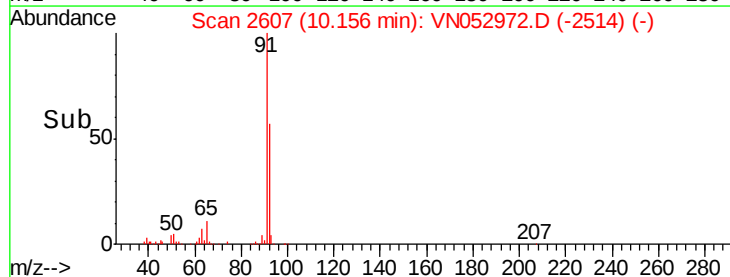
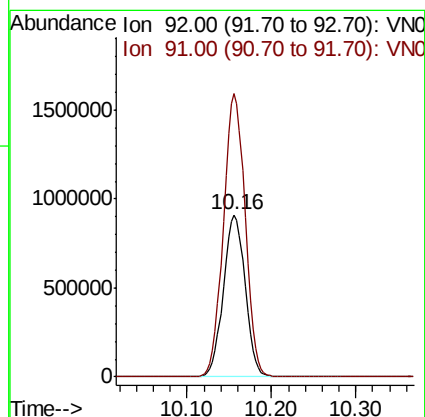
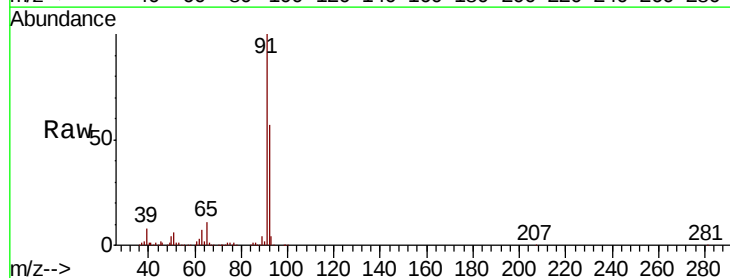
Acq: 18 Dec 2018 20:11

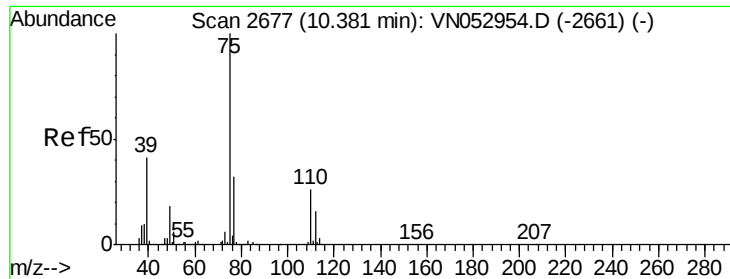
Tgt Ion: 92 Resp: 1631325

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 49.167 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

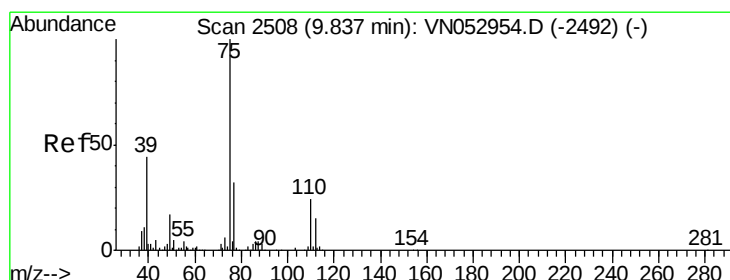
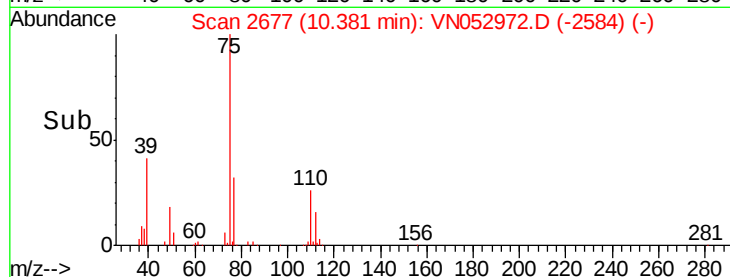
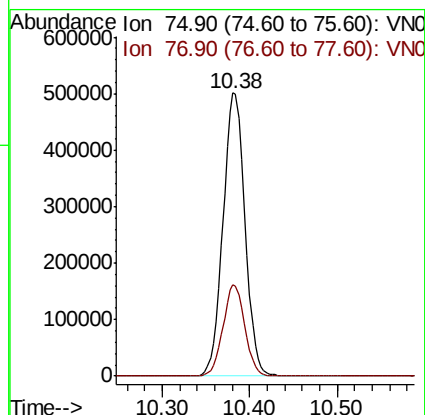
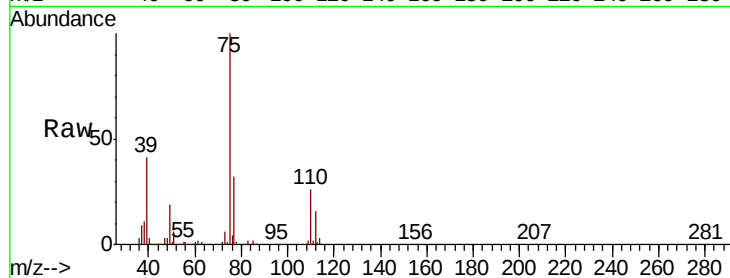
VSTDCCC050EC

Tot Ion: 75 Resp: 871394

Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 49.639 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

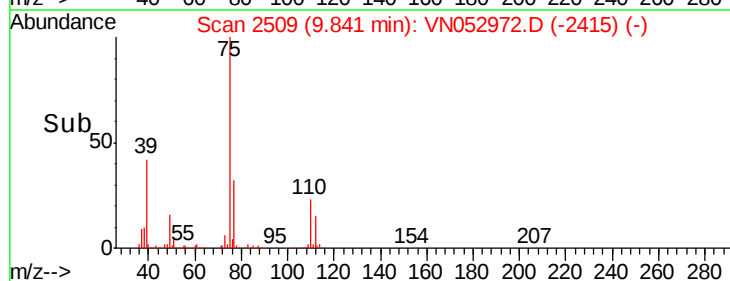
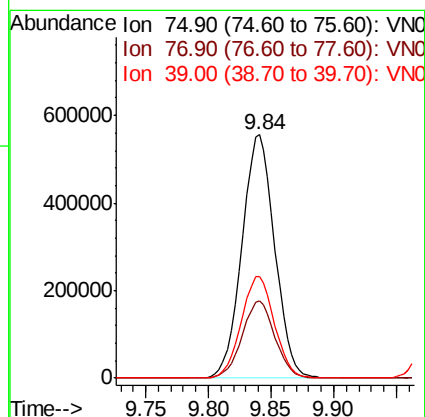
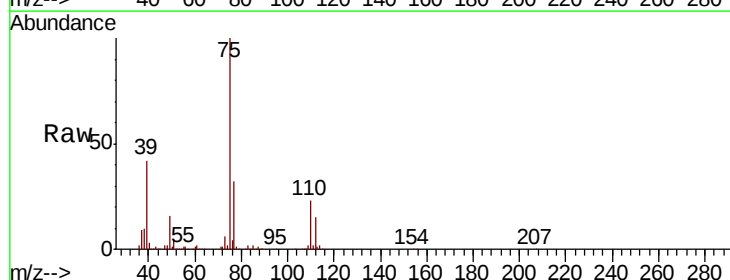
Tgt Ion: 75 Resp: 1009819

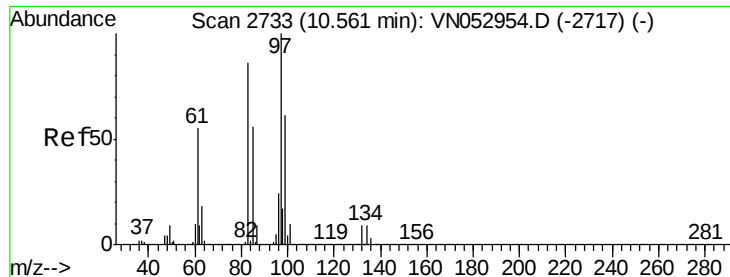
Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 41.9 34.8 52.2

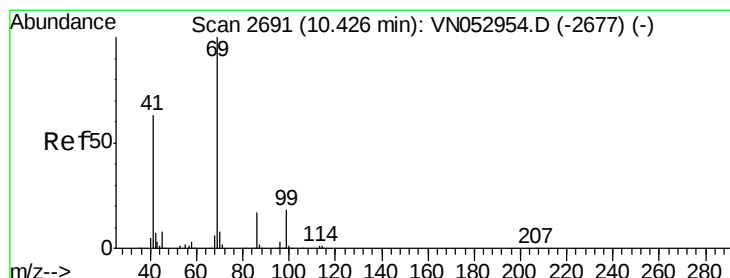
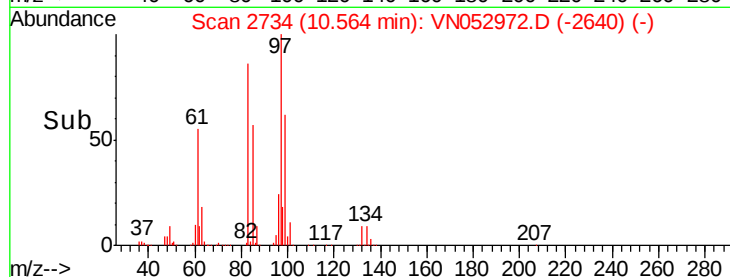
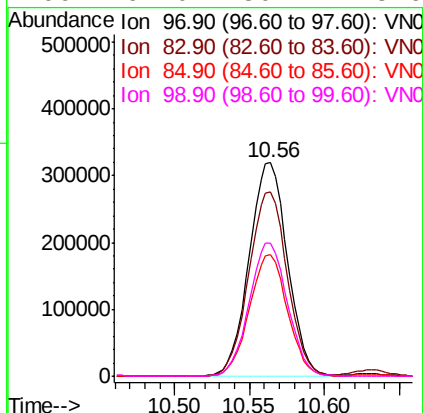
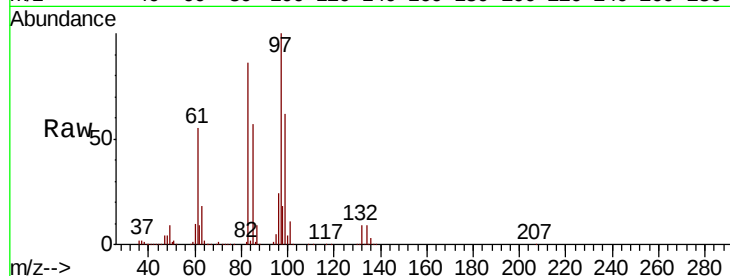




#55
 1,1,2-Trichloroethane
 Concen: 50.481 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

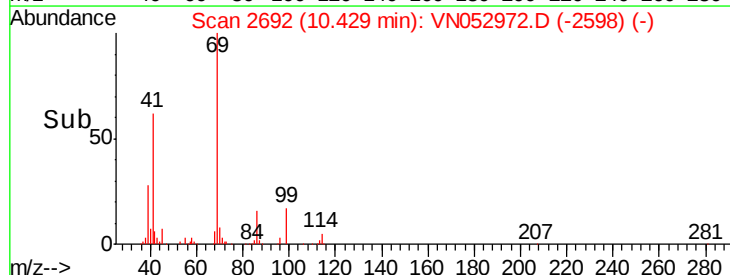
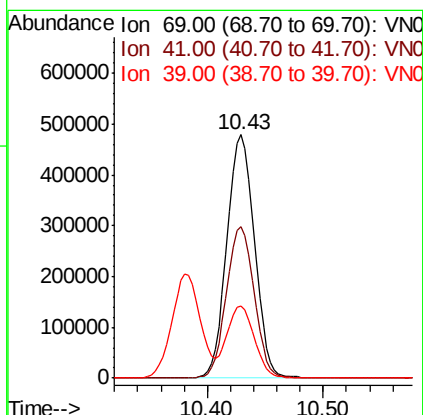
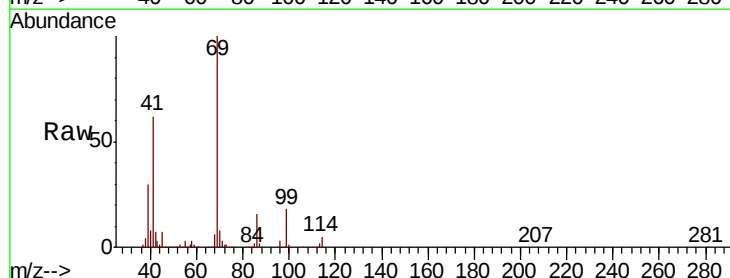
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.9	106.3
85	57.1	45.4	68.2
99	62.0	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 52.727 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.2	51.7	77.5
39	29.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.402 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

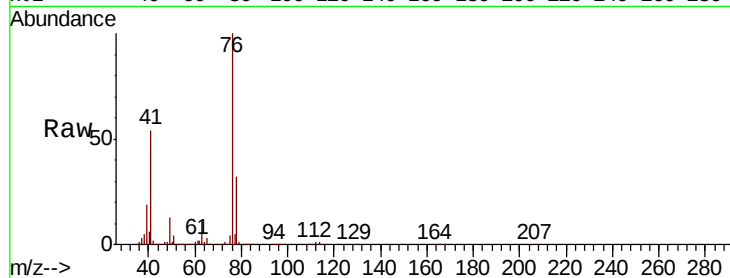
VSTDCCC050EC

Tot Ion: 76 Resp: 976629

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

600000

500000

400000

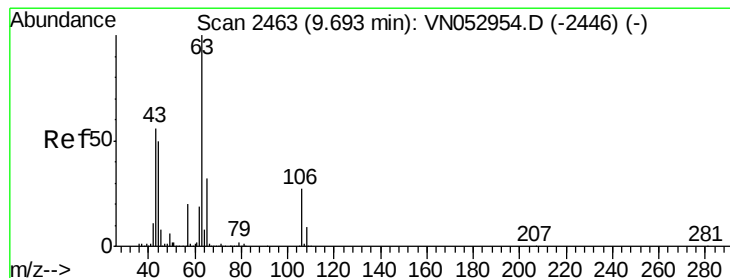
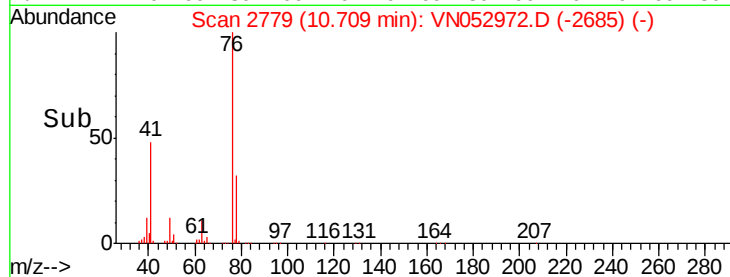
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 259.142 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052972.D

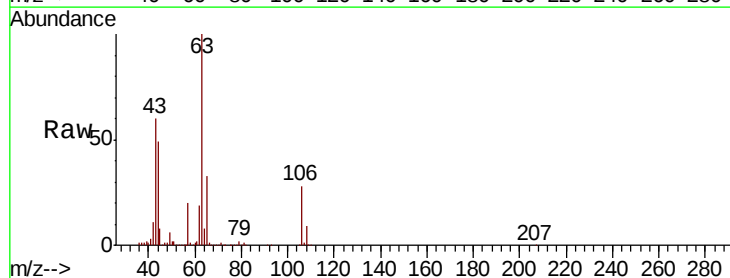
Acq: 18 Dec 2018 20:11

Tgt Ion: 63 Resp: 2127771

Ion Ratio Lower Upper

63 100

106 27.2 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

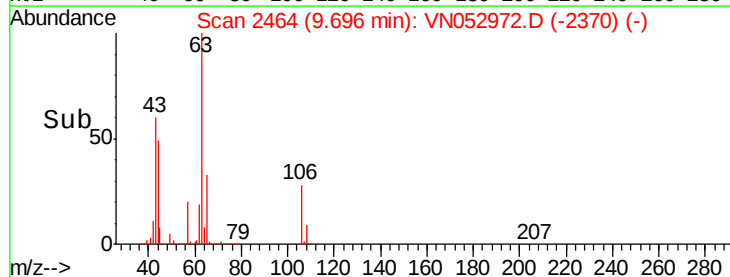
9.70

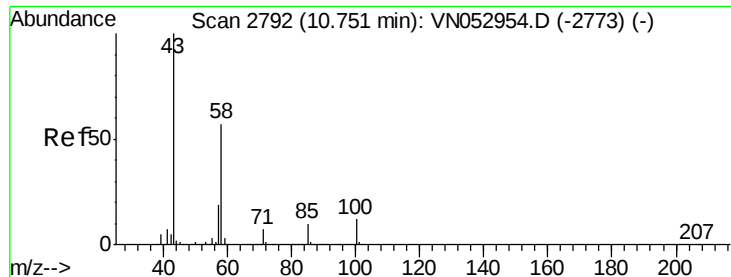
1000000

500000

0

Time-->

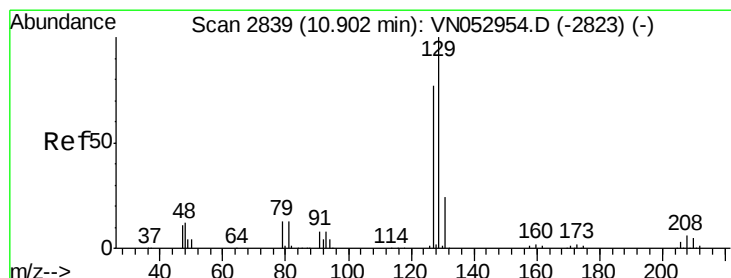
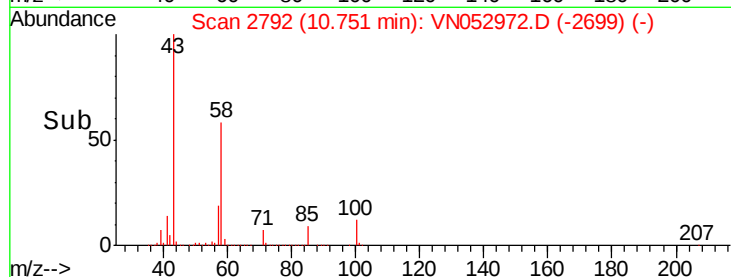
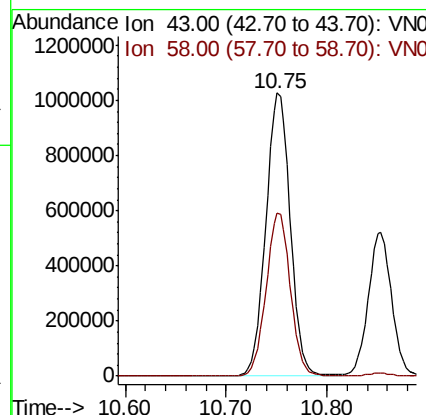
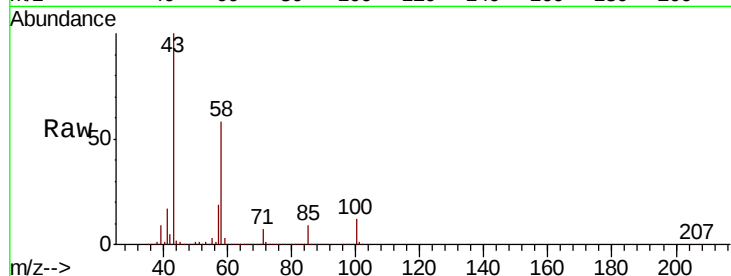




#59
2-Hexanone
Concen: 268.138 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

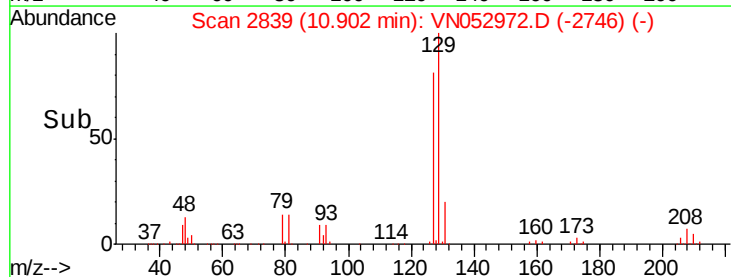
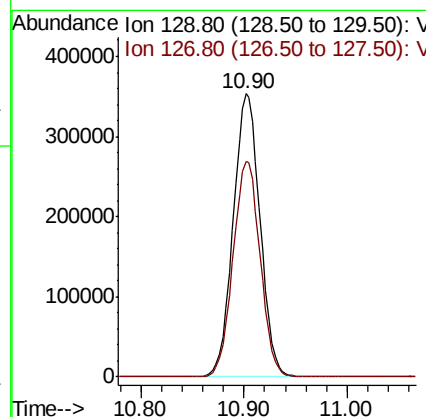
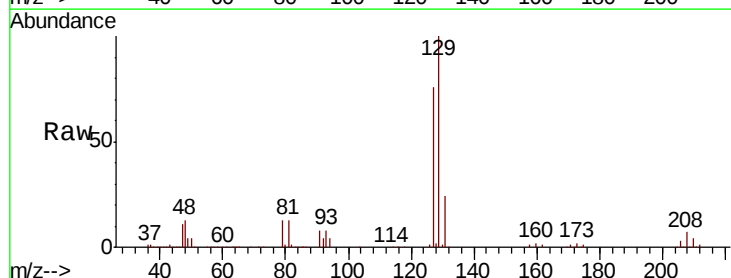
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1723017
Ion Ratio Lower Upper
43 100
58 57.3 28.1 84.3



#60
Dibromochloromethane
Concen: 49.412 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 129 Resp: 639115
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0

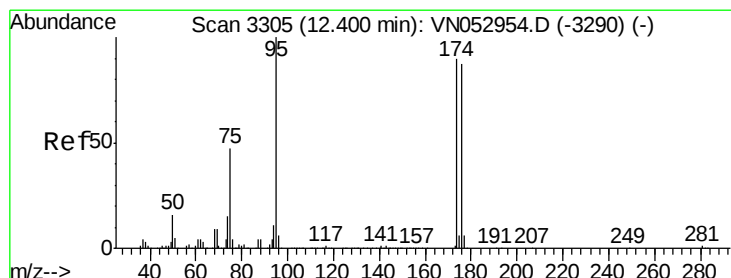
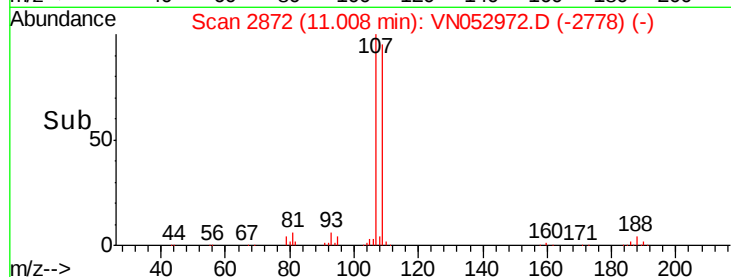
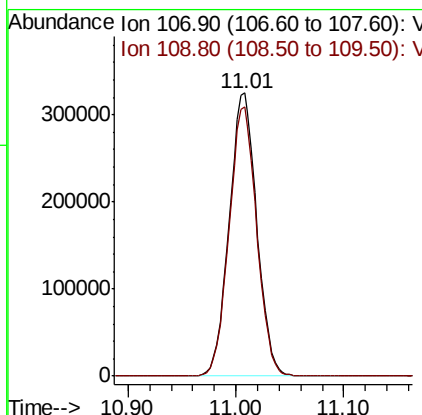
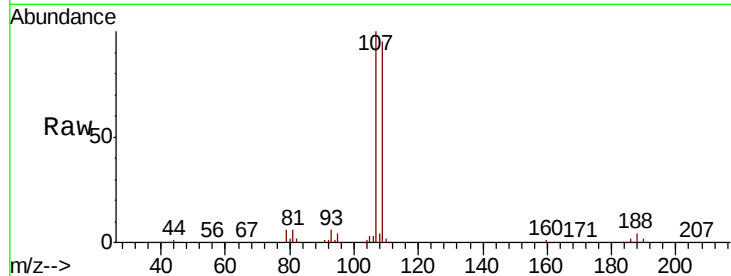




#61
 1,2-Dibromoethane
 Concen: 50.530 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

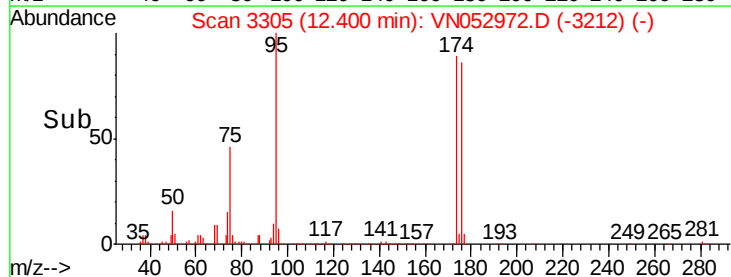
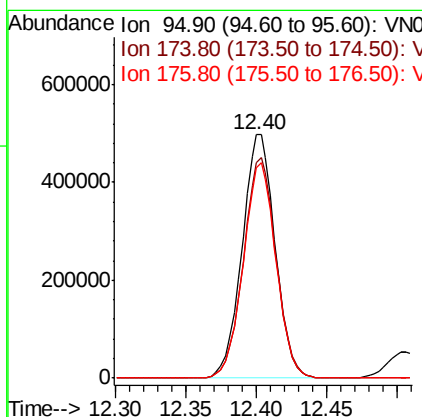
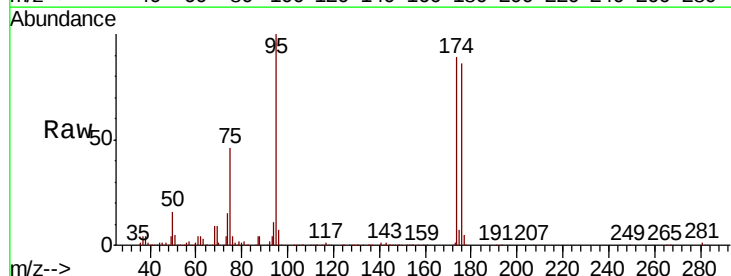
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

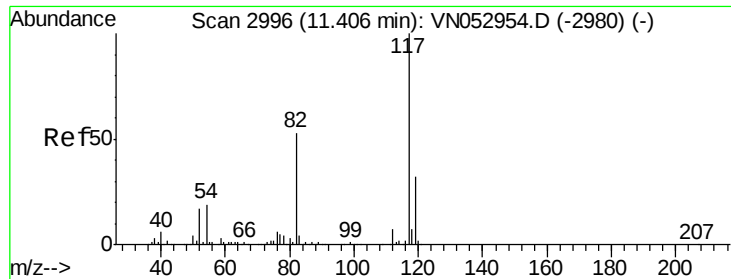
Tot Ion: 107 Resp: 579875
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.530 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion: 95 Resp: 813530
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 178.8
 176 87.7 0.0 173.8

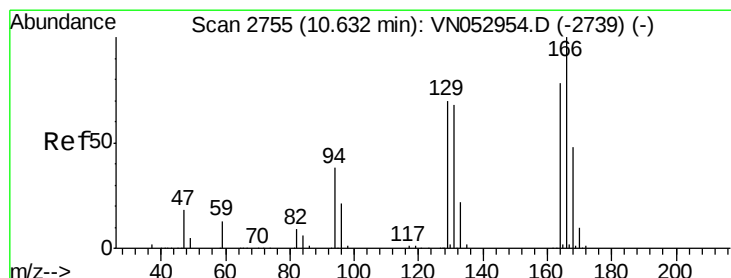
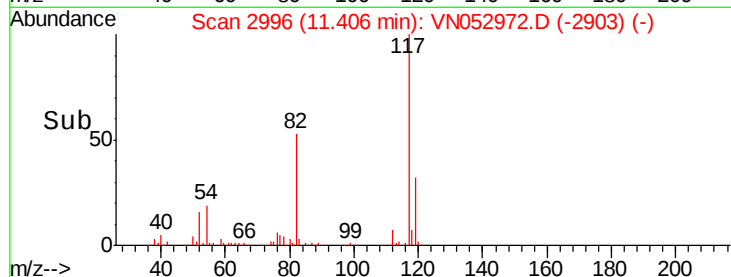
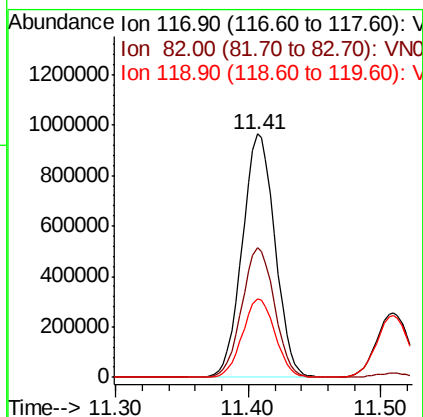
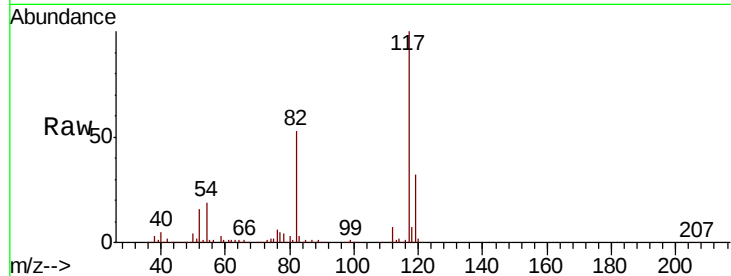




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

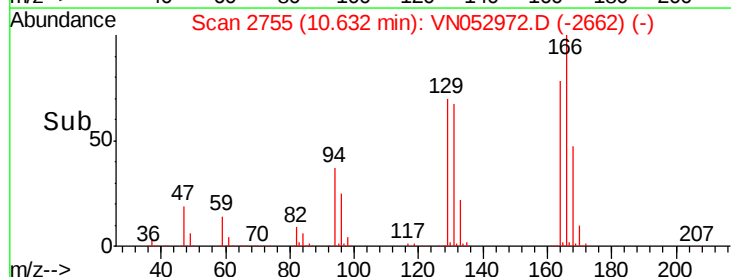
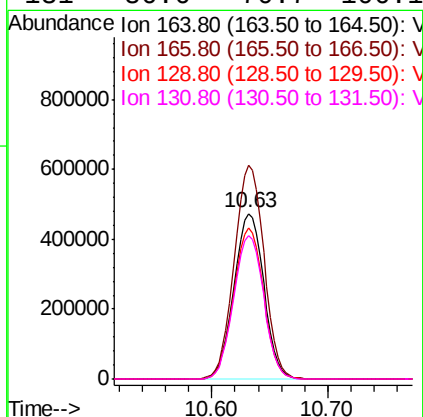
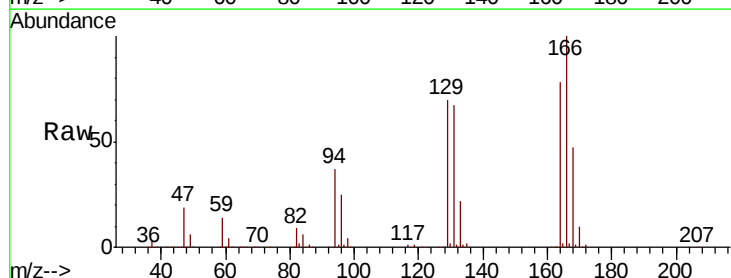
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

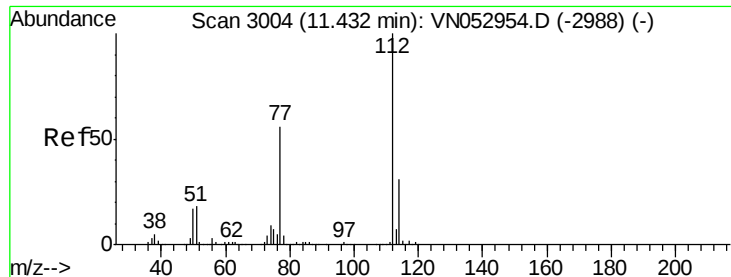
Tot Ion:117 Resp: 1652661
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 47.052 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion:164 Resp: 842328
Ion Ratio Lower Upper
164 100
166 129.0 102.9 154.3
129 90.9 73.7 110.5
131 86.6 70.7 106.1

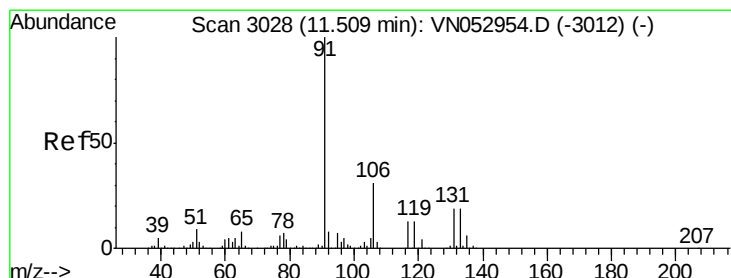
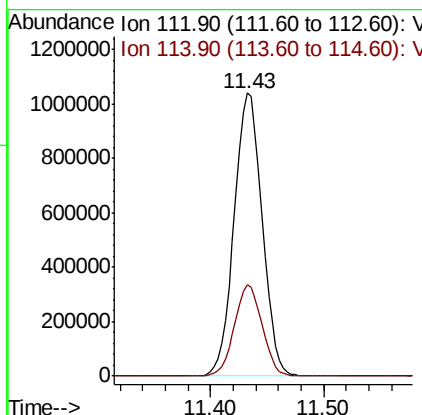
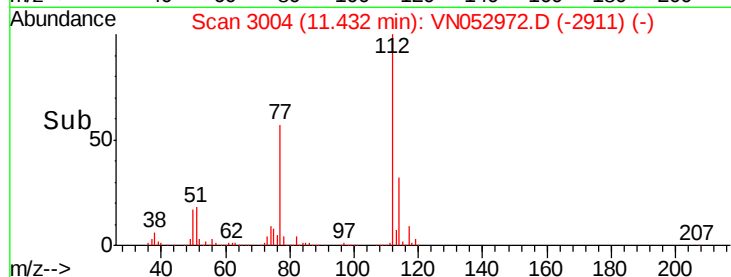
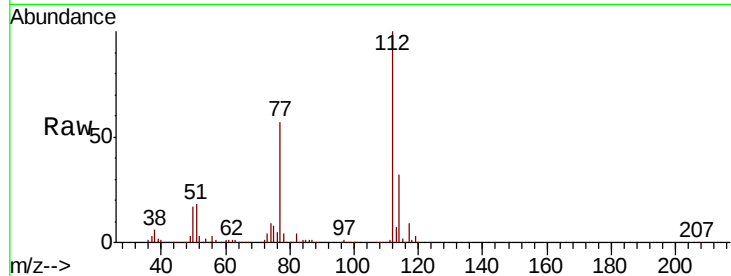




#65
Chlorobenzene
Concen: 49.030 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

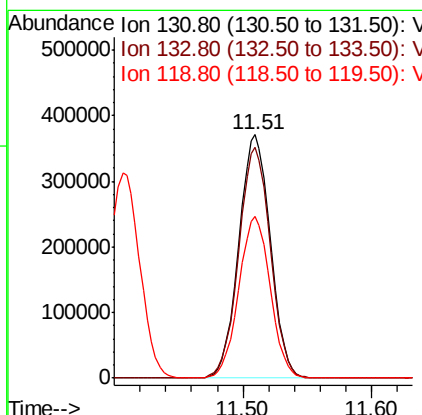
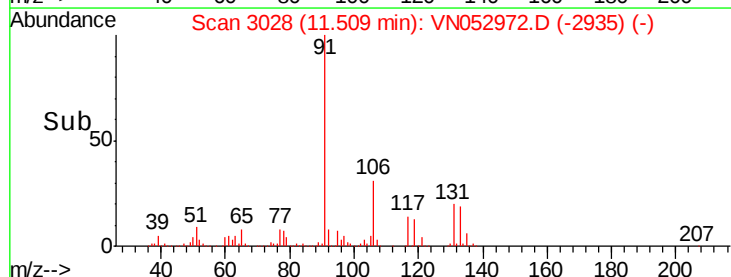
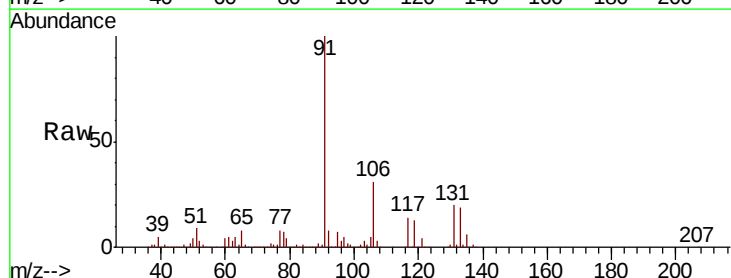
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1796221
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 49.568 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion:131 Resp: 631482
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 66.4 33.3 99.8

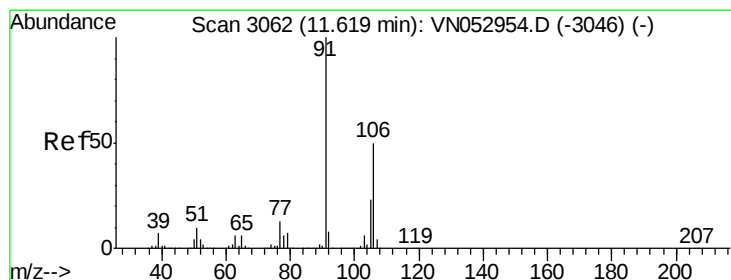
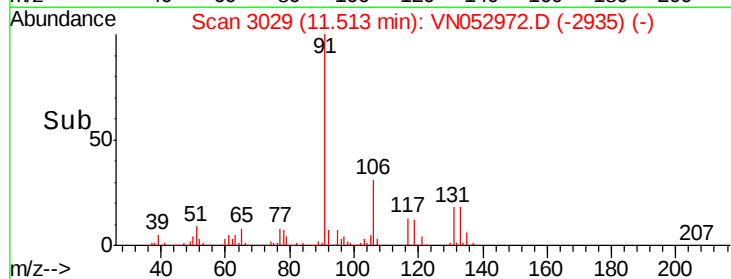
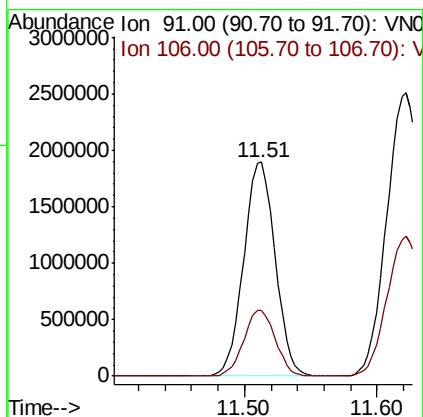
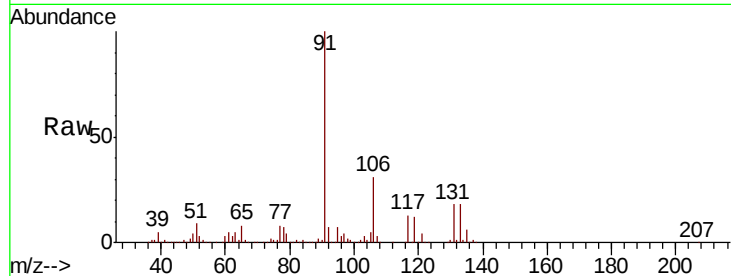




#67
Ethyl Benzene
Concen: 49.660 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

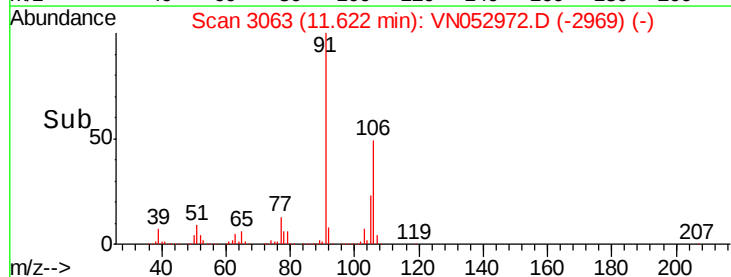
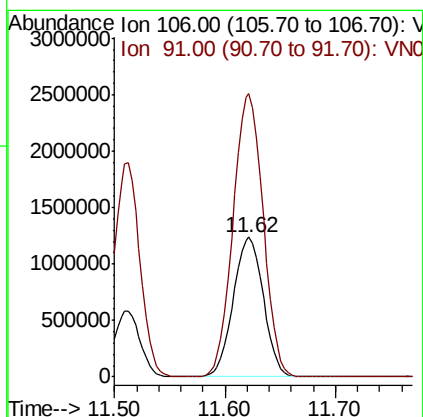
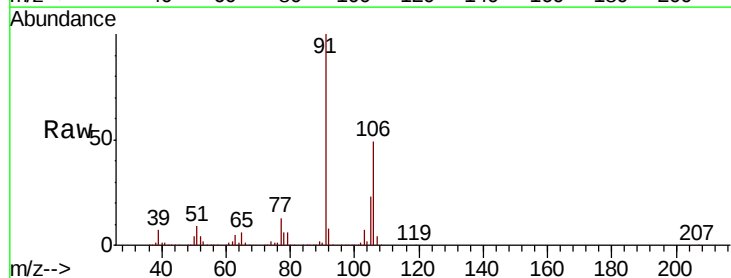
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

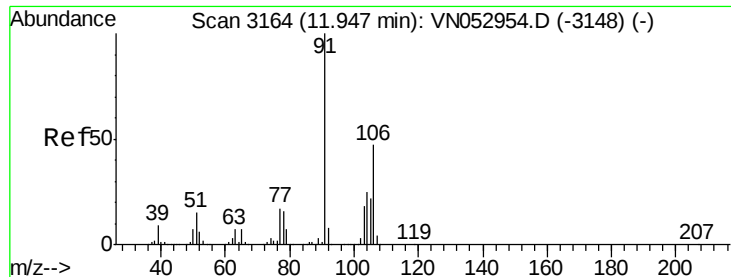
Tot Ion: 91 Resp: 3128683
Ion Ratio Lower Upper
91 100
106 31.0 24.9 37.3



#68
m/p-Xylenes
Concen: 97.827 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 106 Resp: 2343036
Ion Ratio Lower Upper
106 100
91 202.4 162.2 243.4

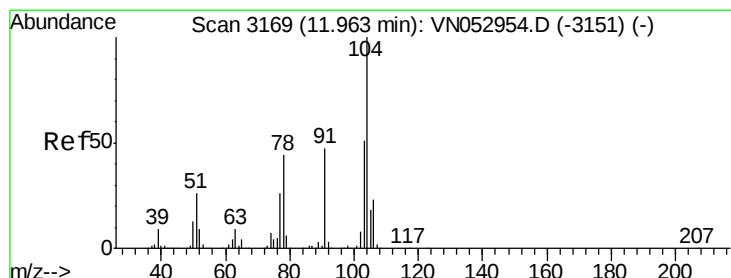
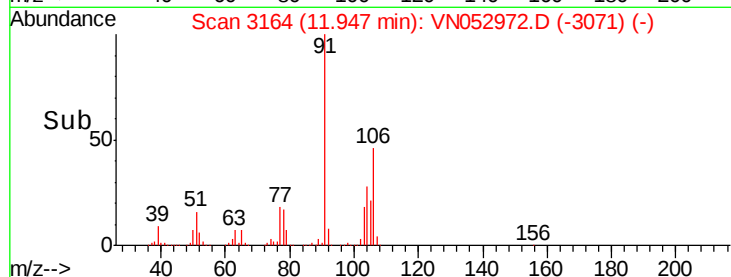
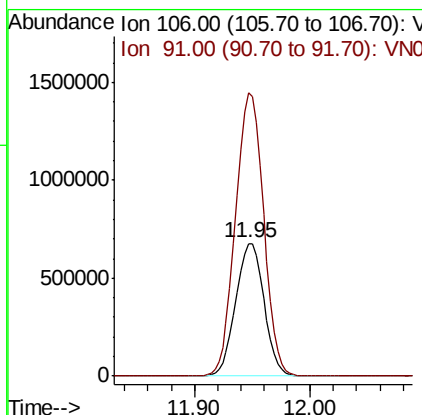
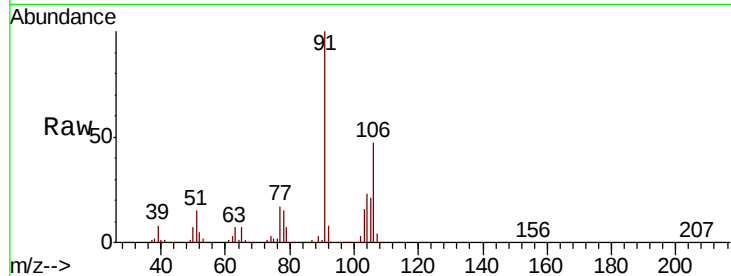




#69
o-Xylene
Concen: 49.813 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

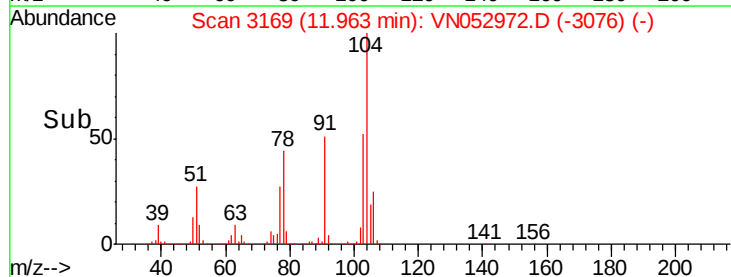
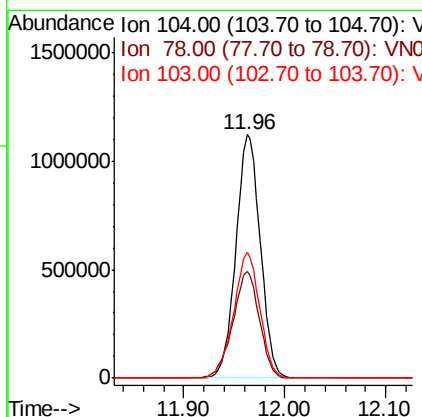
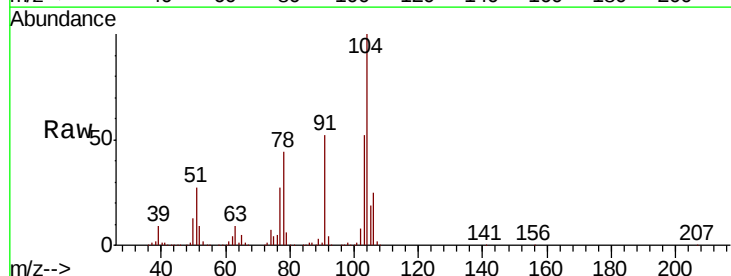
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

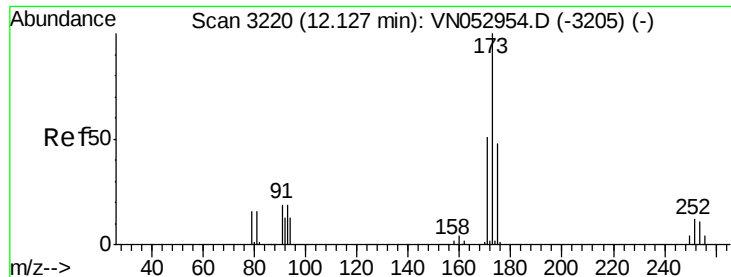
Tot Ion:106 Resp: 1144835
Ion Ratio Lower Upper
106 100
91 212.7 106.6 319.8



#70
Styrene
Concen: 50.118 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion:104 Resp: 1878197
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 55.5 44.3 66.5





#71

Bromoform

Concen: 48.402 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

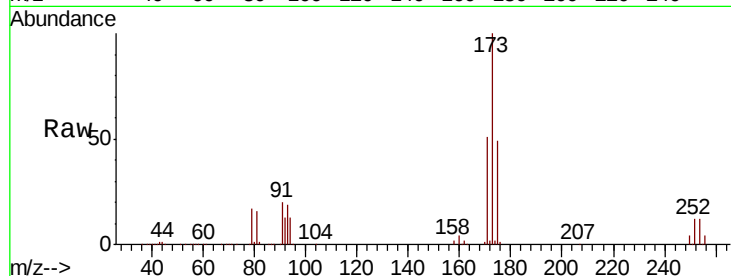
Tot Ion:173 Resp: 445461

Ion Ratio Lower Upper

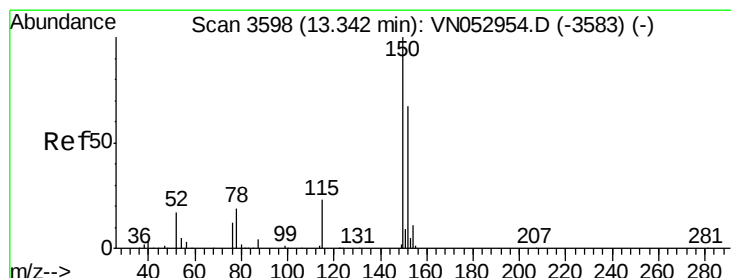
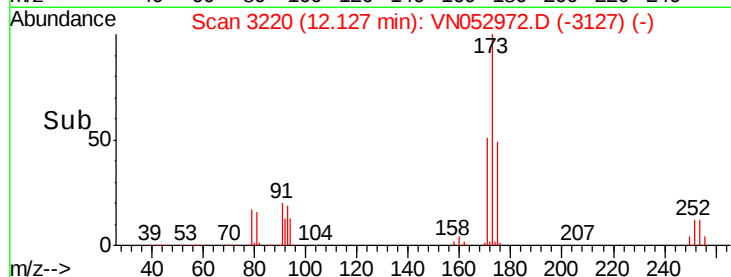
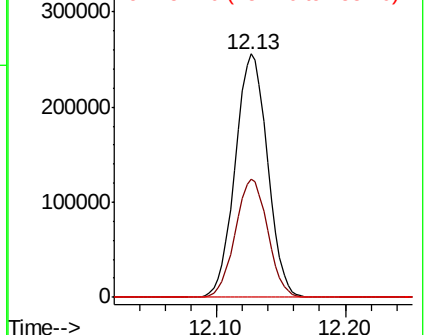
173 100

175 48.7 24.3 72.9

254 0.1 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

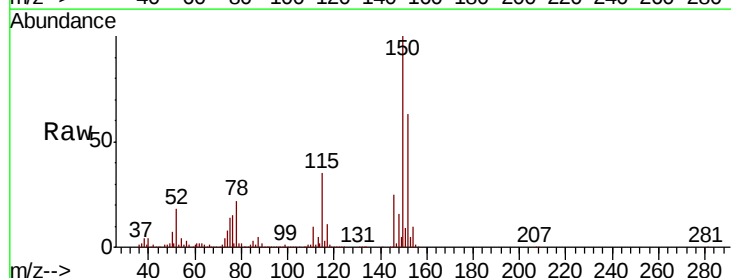
Tgt Ion:152 Resp: 736512

Ion Ratio Lower Upper

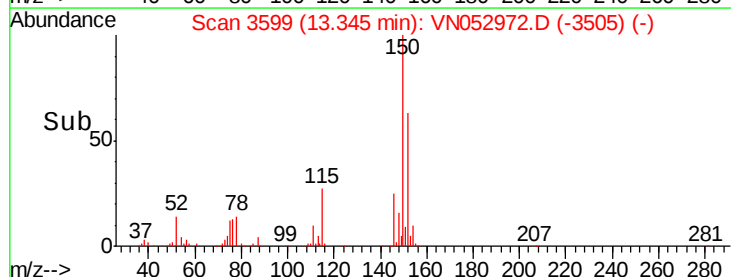
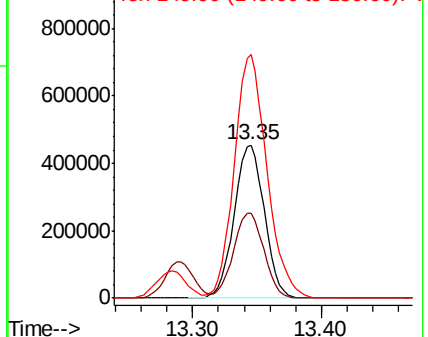
152 100

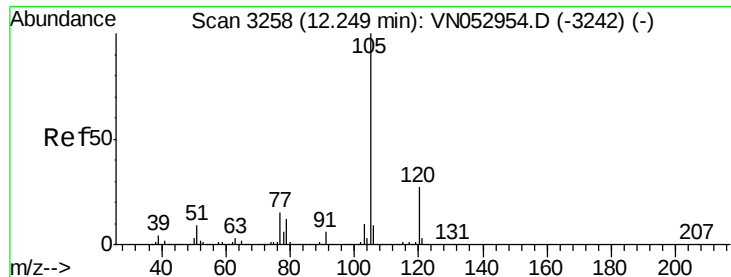
115 56.1 28.3 85.0

150 172.5 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.633 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

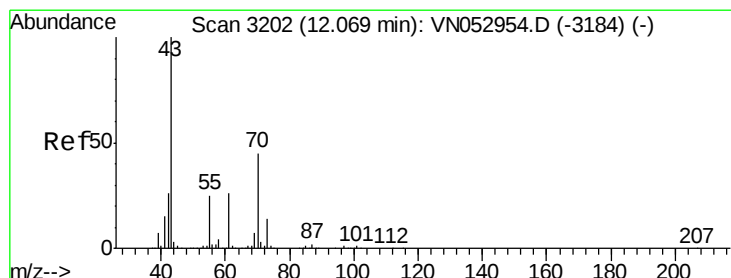
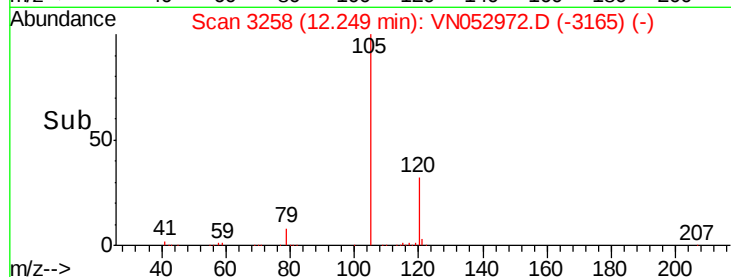
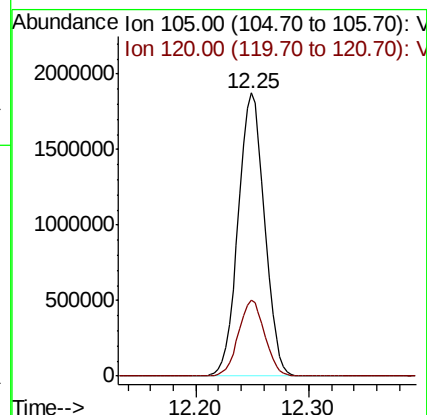
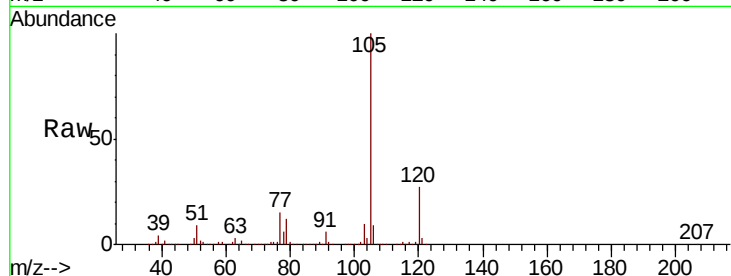
VSTDCCC050EC

Tot Ion:105 Resp: 3033030

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 55.712 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Tgt Ion: 43 Resp: 891330

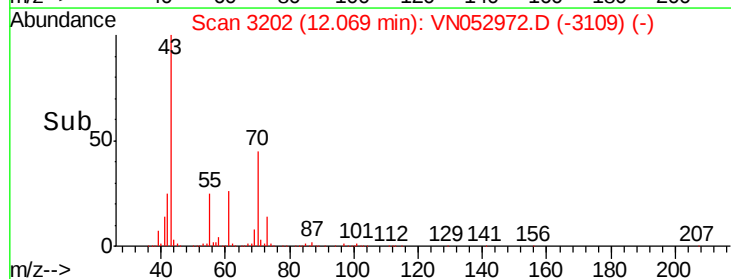
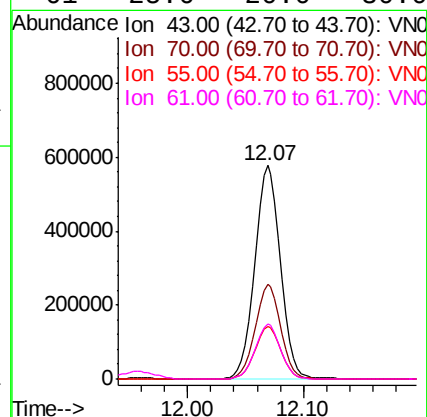
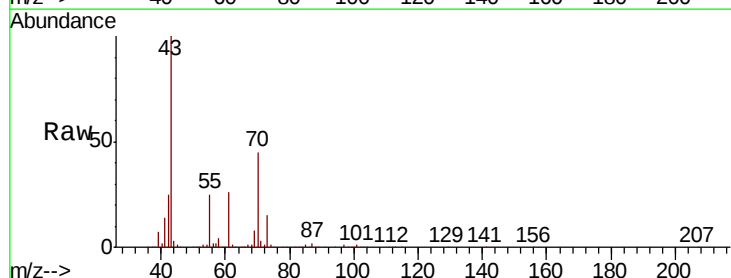
Ion Ratio Lower Upper

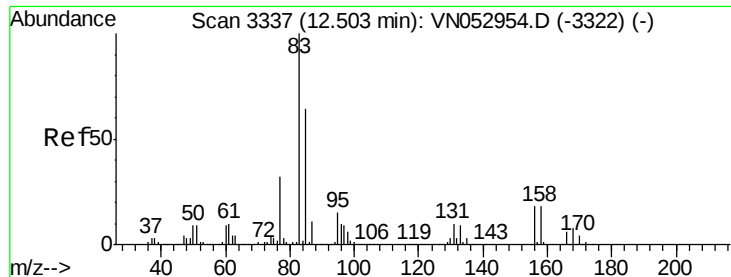
43 100

70 44.4 34.2 51.4

55 25.2 20.3 30.5

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.349 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

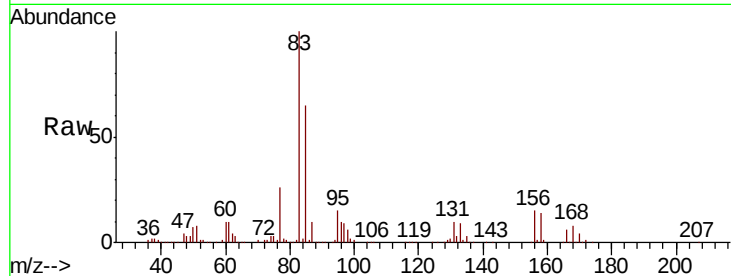
Tot Ion: 83 Resp: 614432

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

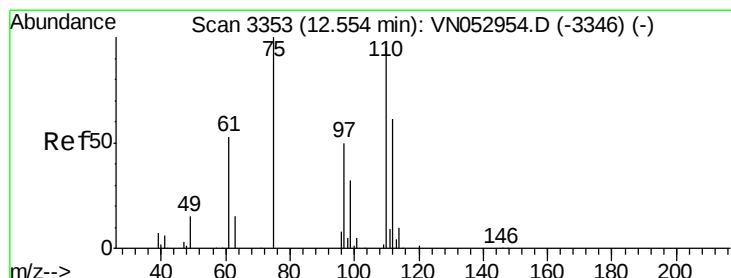
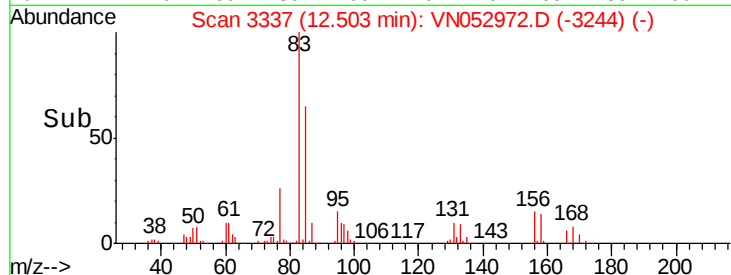
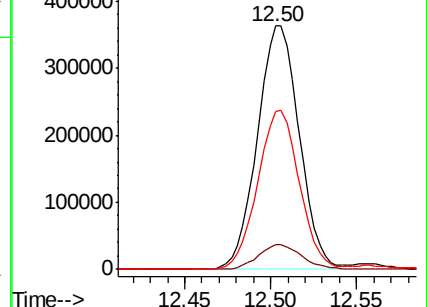
85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN052972.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN052972.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN052972.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 70.282 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052972.D

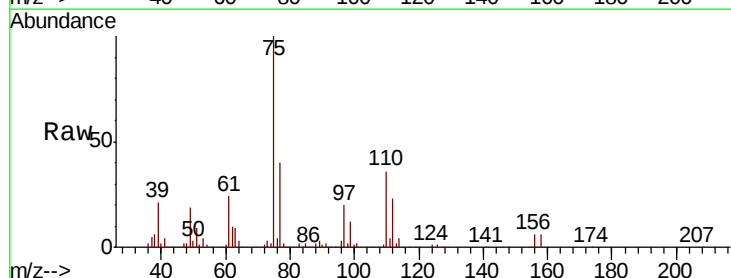
Acq: 18 Dec 2018 20:11

Tgt Ion: 75 Resp: 871387

Ion Ratio Lower Upper

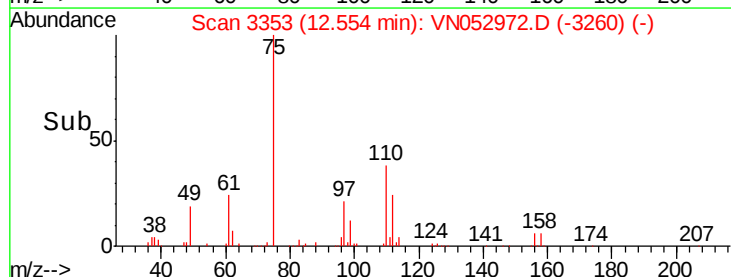
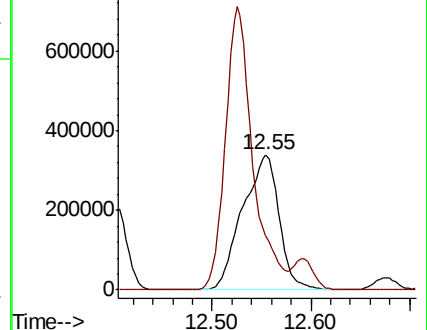
75 100

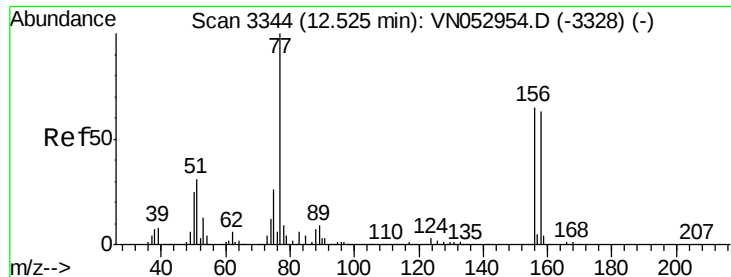
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052972.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052972.D (-3260) (-)





#77

Bromobenzene

Concen: 51.734 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

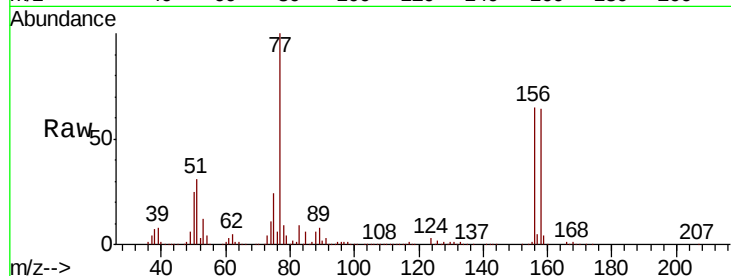
Tot Ion:156 Resp: 774948

Ion Ratio Lower Upper

156 100

77 179.4 91.3 273.8

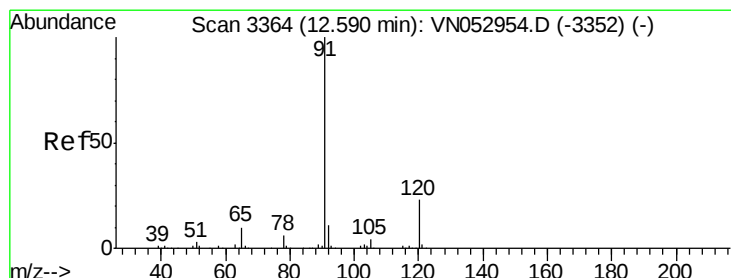
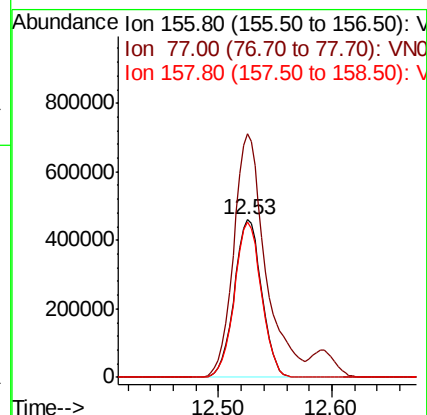
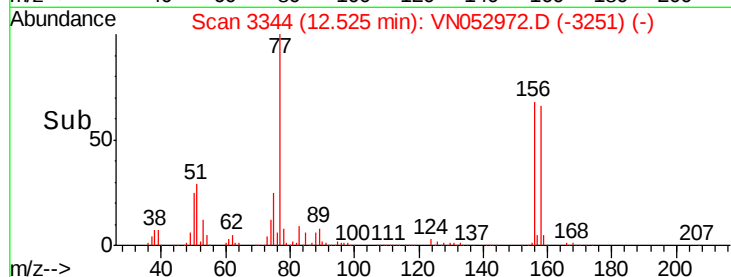
158 97.2 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.806 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052972.D

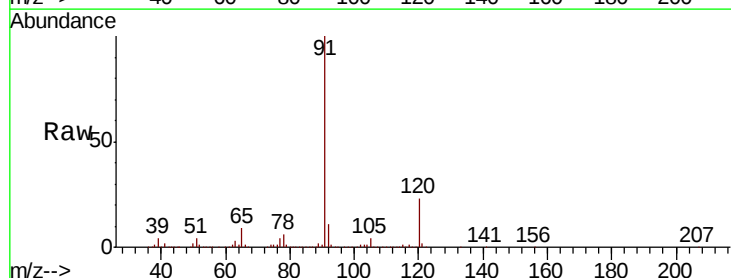
Acq: 18 Dec 2018 20:11

Tgt Ion: 91 Resp: 3400027

Ion Ratio Lower Upper

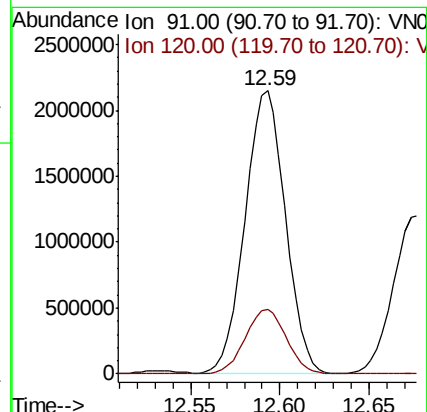
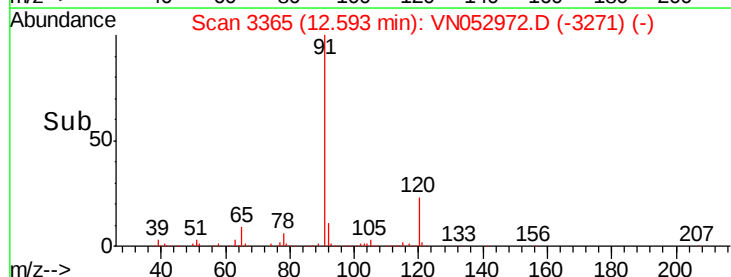
91 100

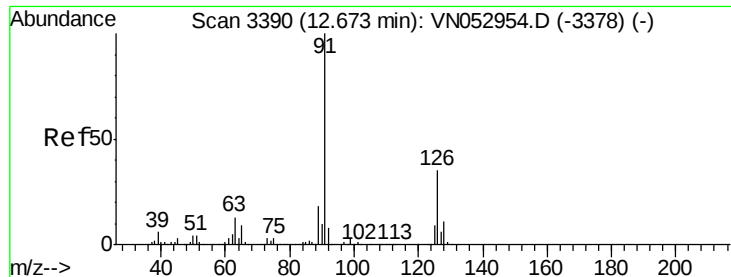
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.680 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

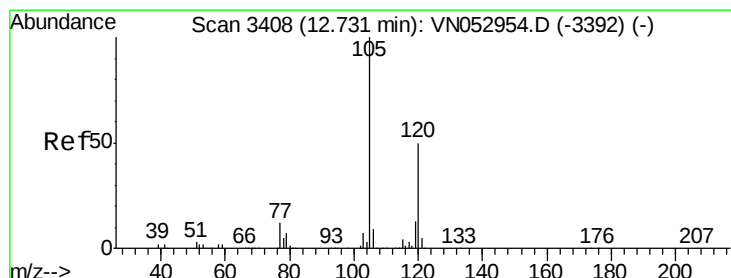
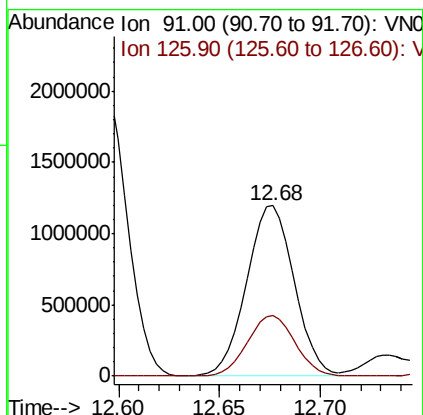
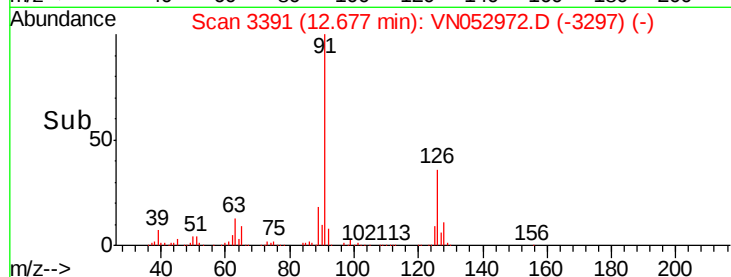
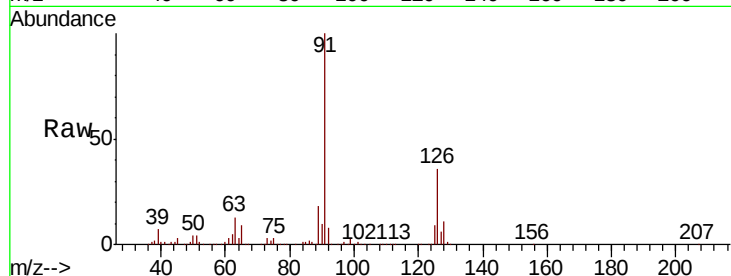
VSTDCCC050EC

Tot Ion: 91 Resp: 1980329

Ion Ratio Lower Upper

91 100

126 35.8 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 49.920 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052972.D

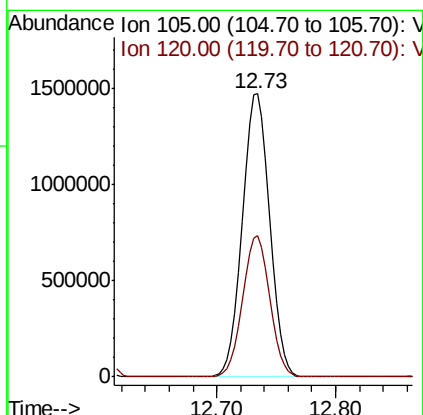
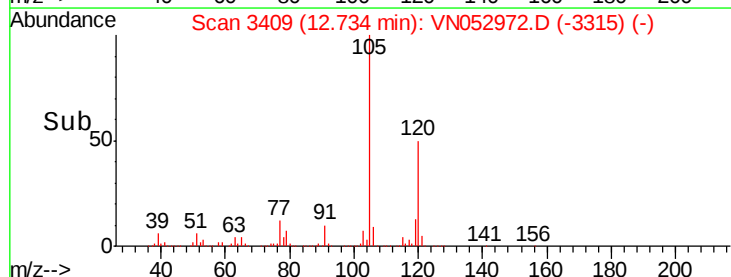
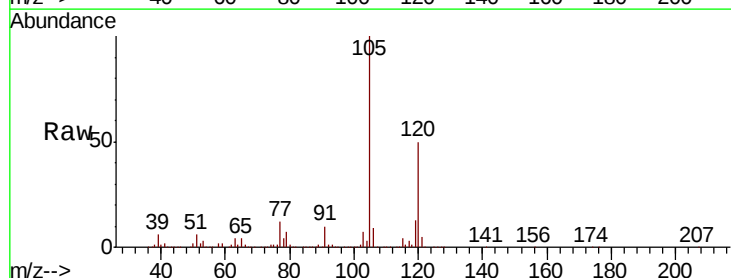
Acq: 18 Dec 2018 20:11

Tgt Ion: 105 Resp: 2344757

Ion Ratio Lower Upper

105 100

120 49.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.334 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

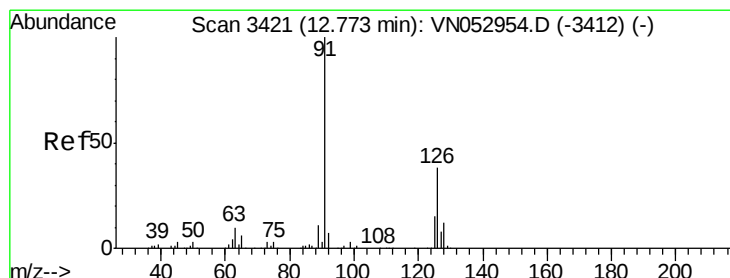
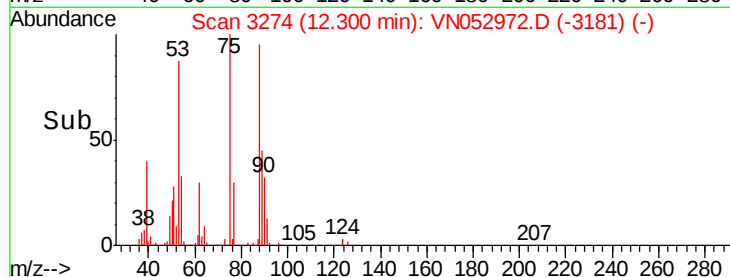
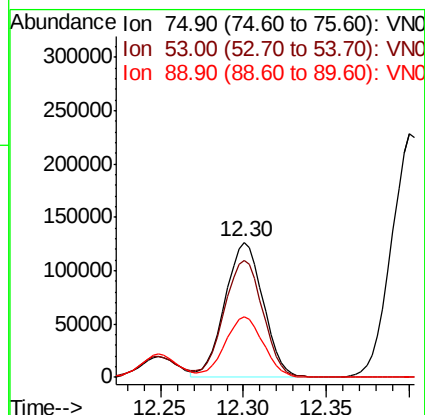
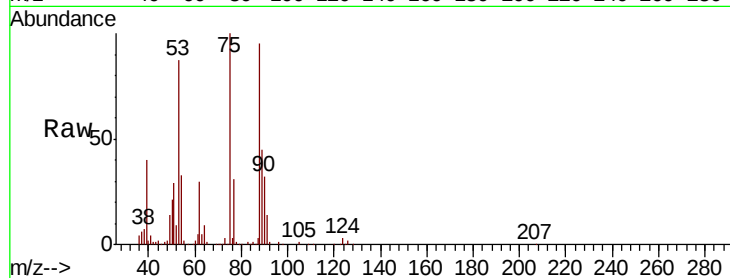
Tot Ion: 75 Resp: 205161

Ion Ratio Lower Upper

75 100

53 87.2 74.7 112.1

89 44.5 36.1 54.1



#82

4-Chlorotoluene

Concen: 50.737 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052972.D

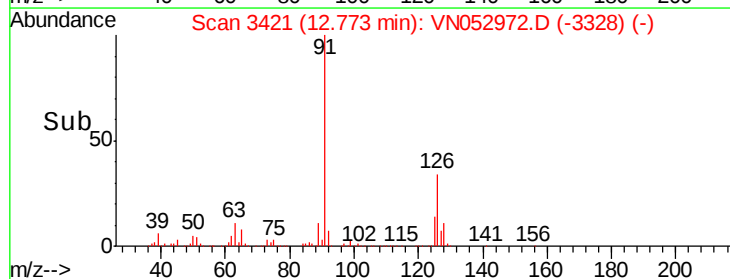
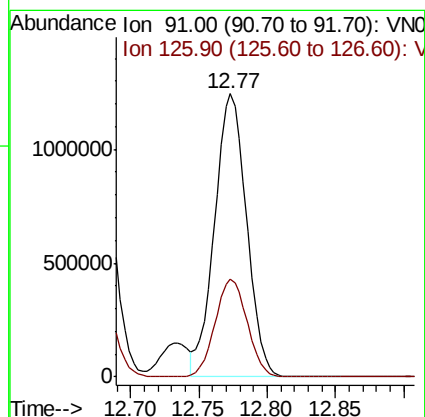
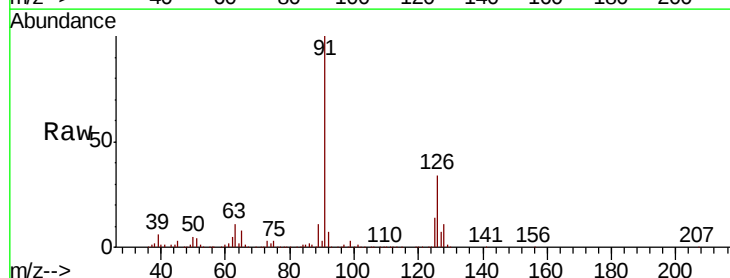
Acq: 18 Dec 2018 20:11

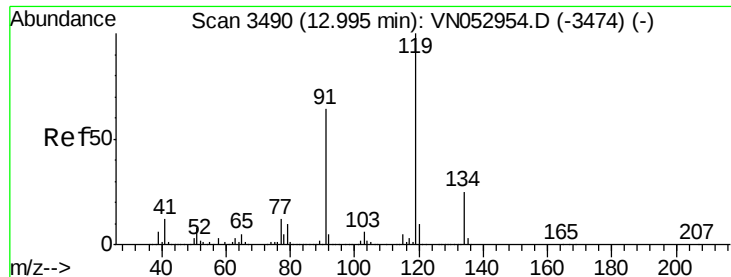
Tgt Ion: 91 Resp: 2020478

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.7

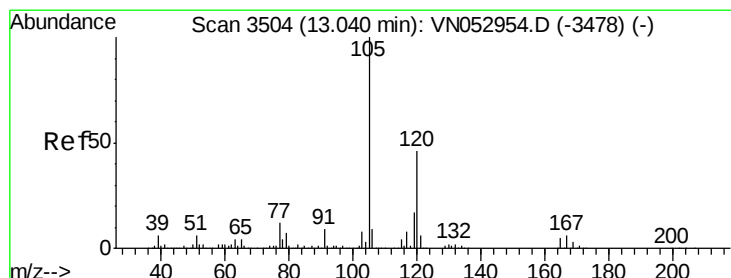
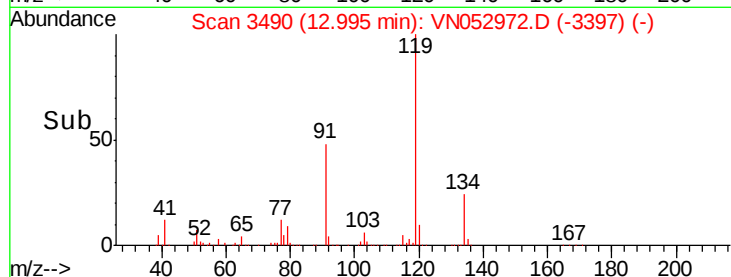
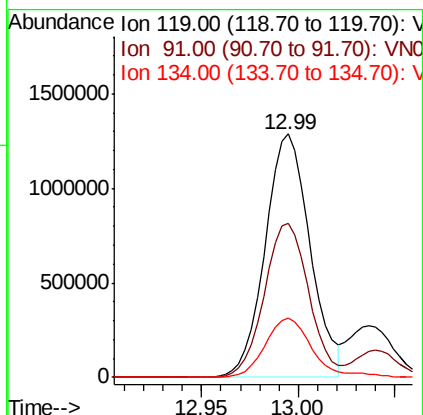
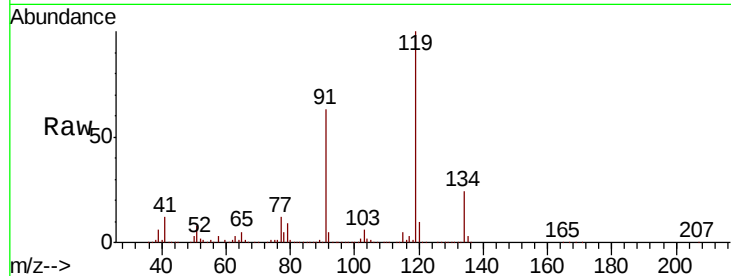




#83
 tert-Butylbenzene
 Concen: 49.982 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

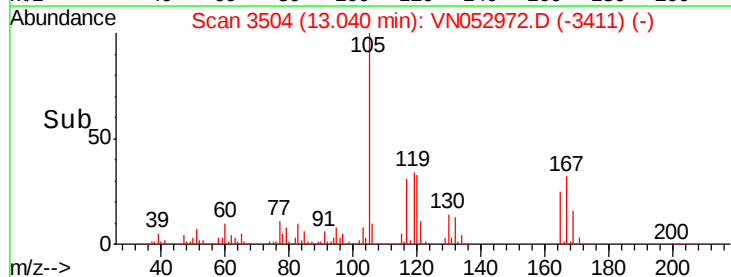
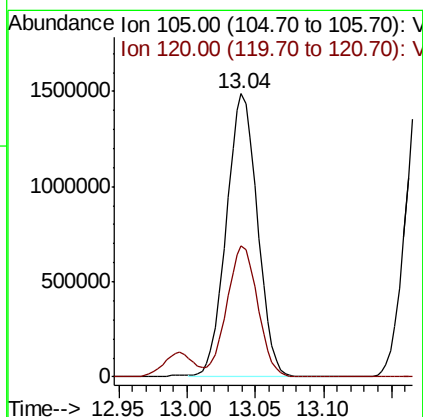
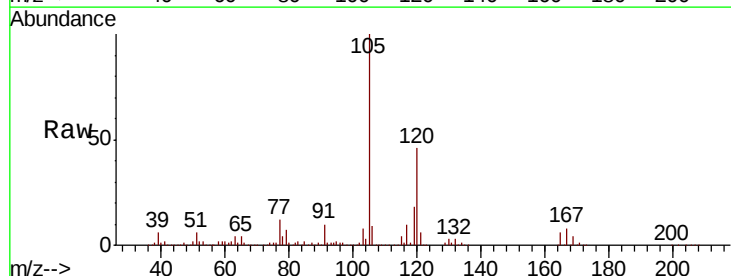
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

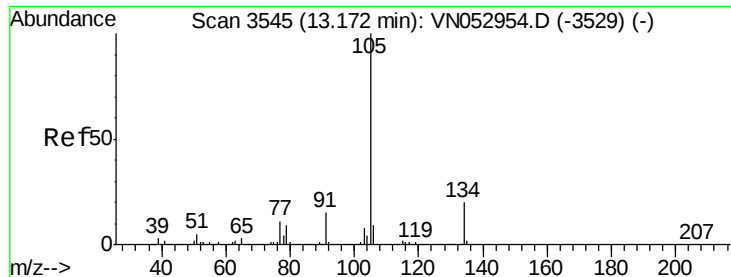
Tot Ion:119 Resp: 2076300
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.9 95.5
 134 25.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 49.709 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion:105 Resp: 2347141
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.119 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

Instrument :

MSVOA_N

ClientSampleId :

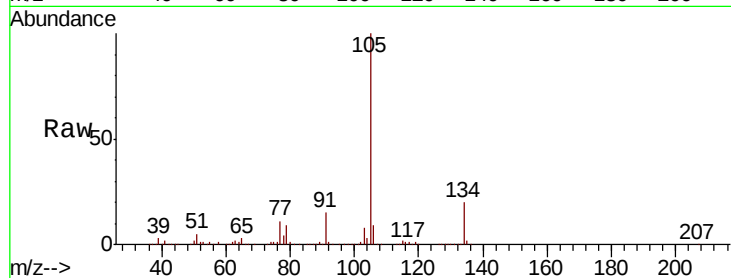
VSTDCCC050EC

Tot Ion:105 Resp: 2759877

Ion Ratio Lower Upper

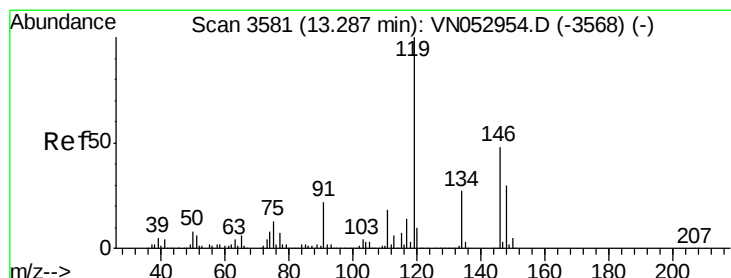
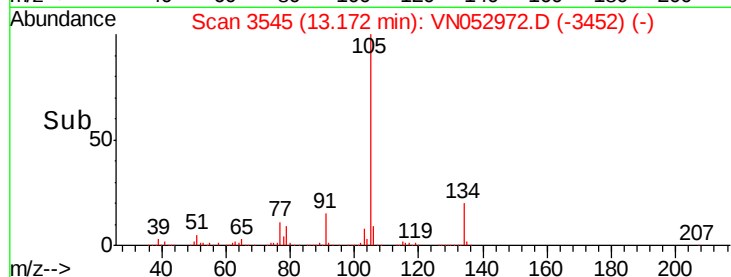
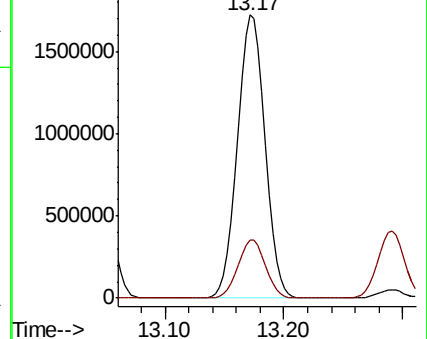
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.009 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052972.D

Acq: 18 Dec 2018 20:11

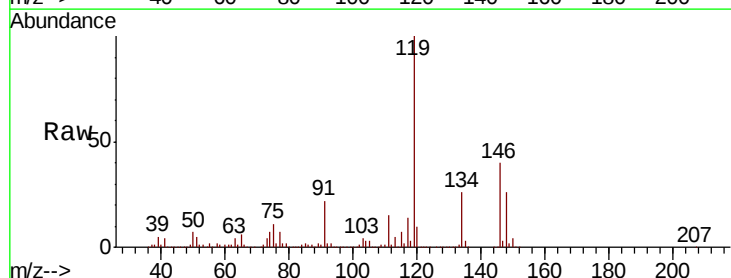
Tgt Ion:119 Resp: 2379415

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

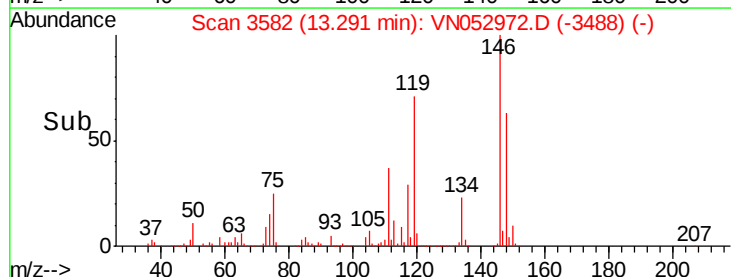
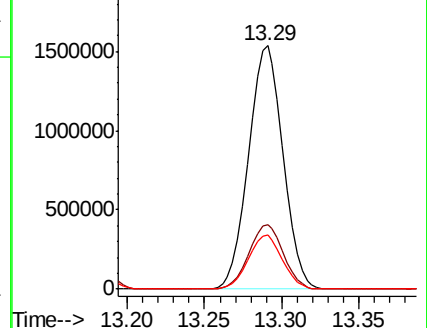
91 21.8 11.1 33.3

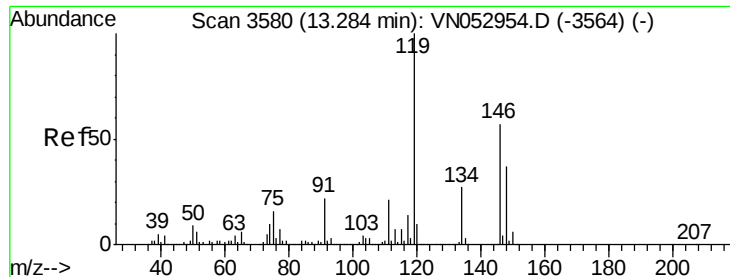


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

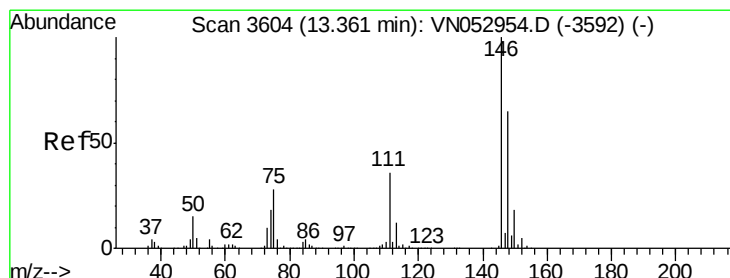
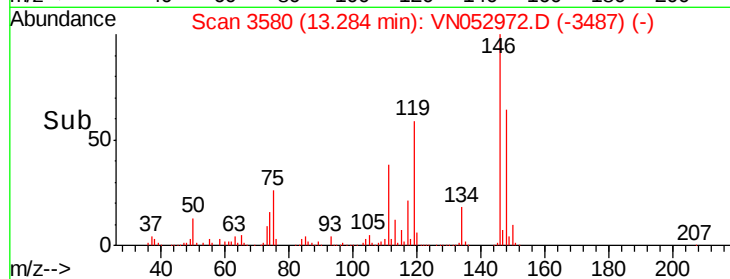
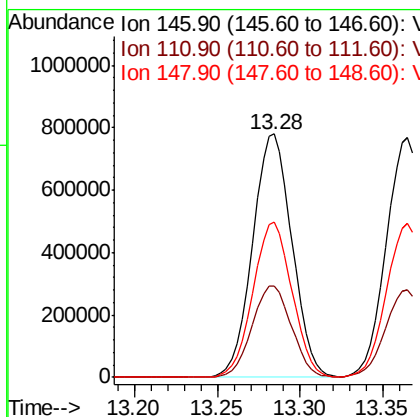
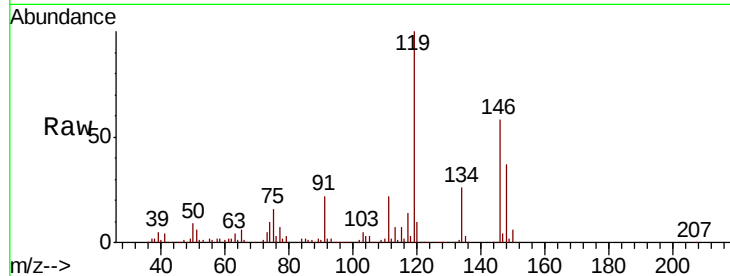




#87
 1,3-Dichlorobenzene
 Concen: 48.466 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

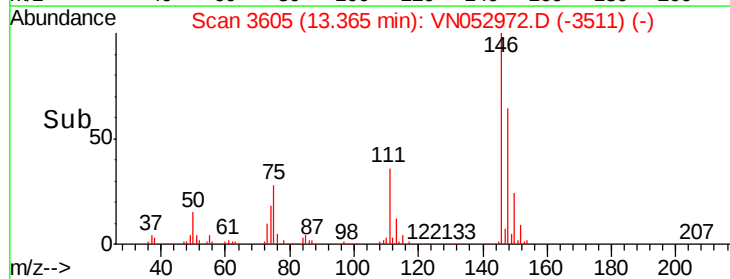
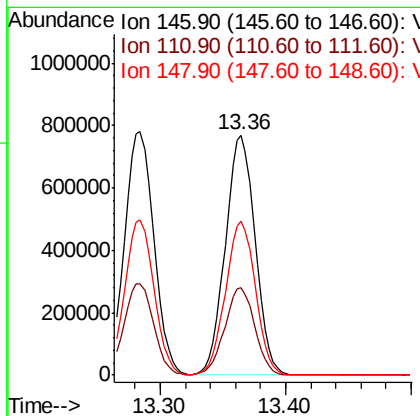
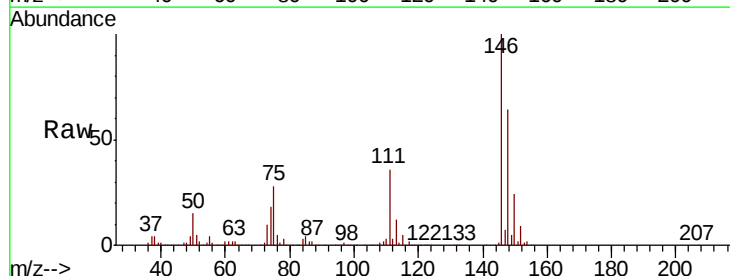
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1284919
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 63.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 47.116 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion:146 Resp: 1264987
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.6 55.8
 148 64.3 32.1 96.5

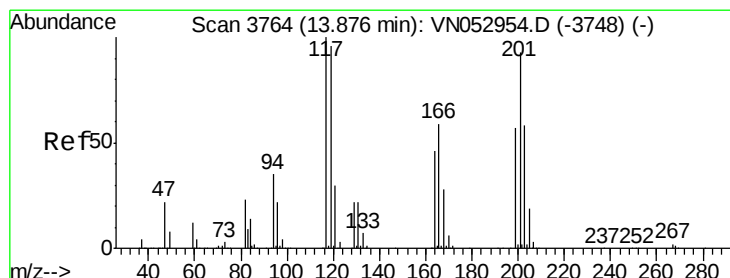
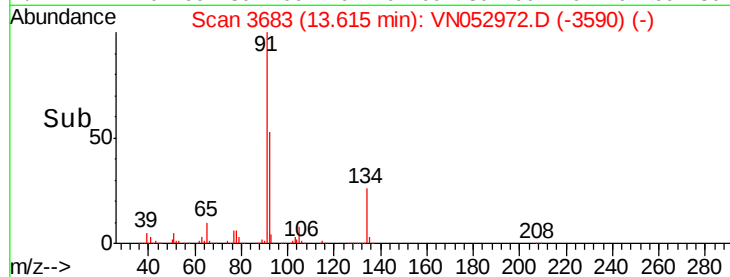
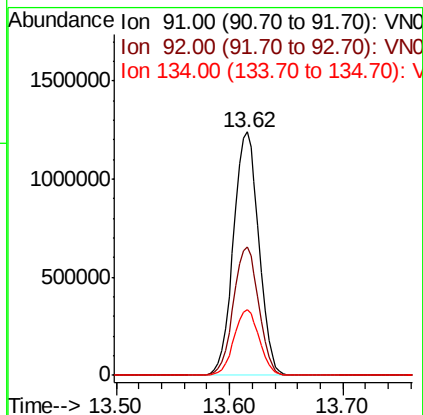
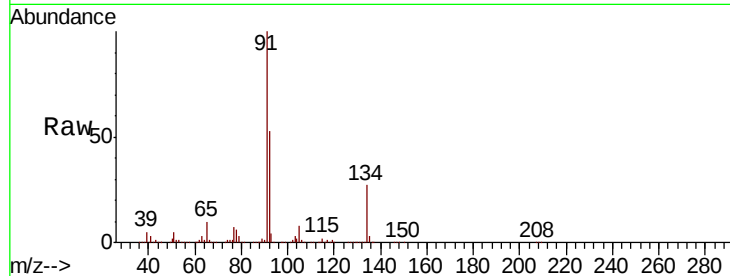




#89
n-Butylbenzene
Concen: 46.205 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

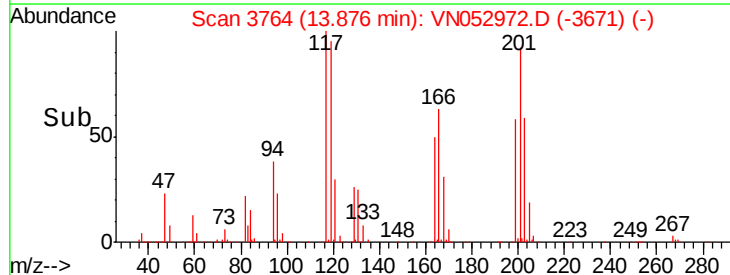
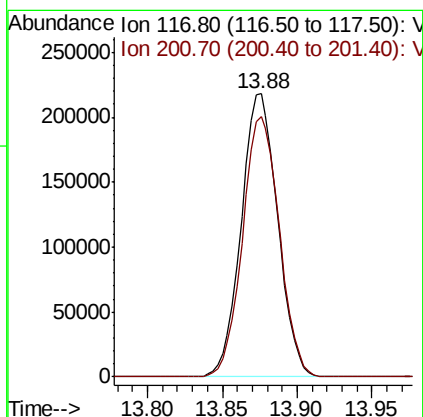
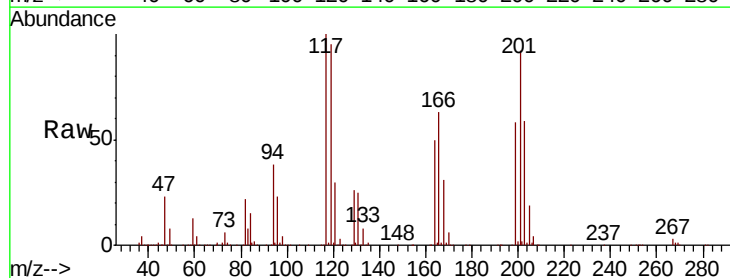
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1929938
Ion Ratio Lower Upper
91 100
92 52.7 26.3 78.9
134 26.8 13.3 39.8



#90
Hexachloroethane
Concen: 49.689 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion: 117 Resp: 370206
Ion Ratio Lower Upper
117 100
201 92.6 45.7 137.1

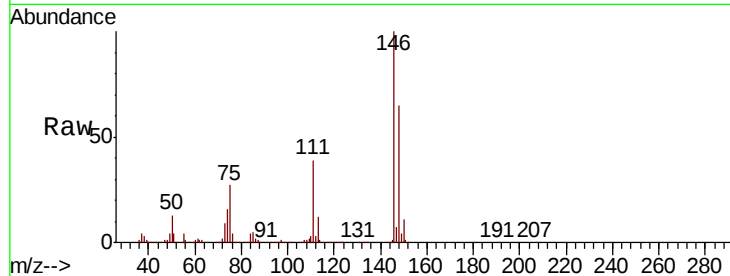




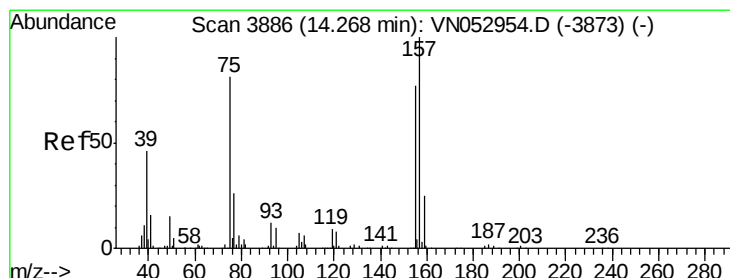
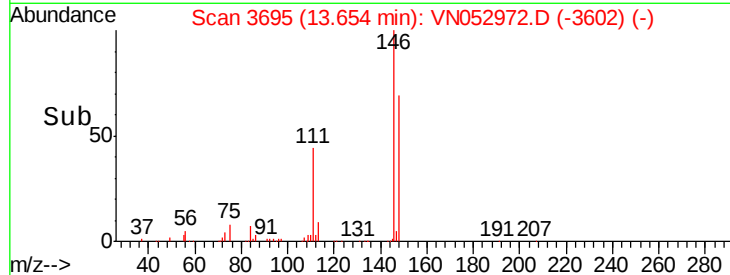
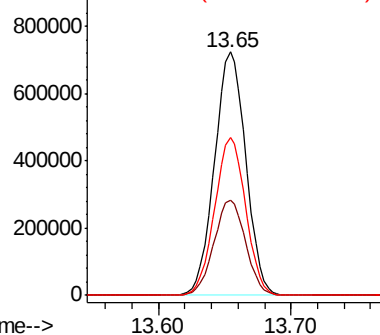
#91
 1,2-Dichlorobenzene
 Concen: 47.508 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1185405
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.0
 148 64.4 32.0 96.0

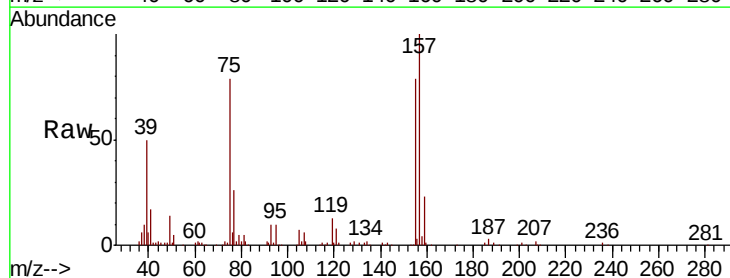


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

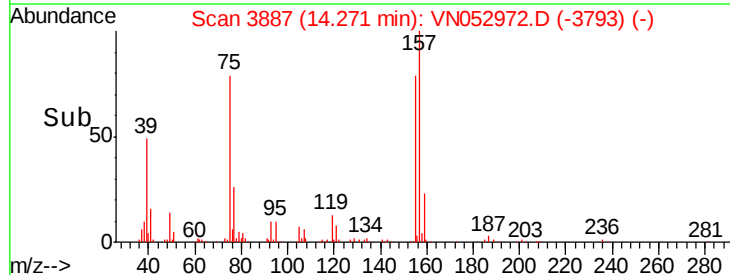
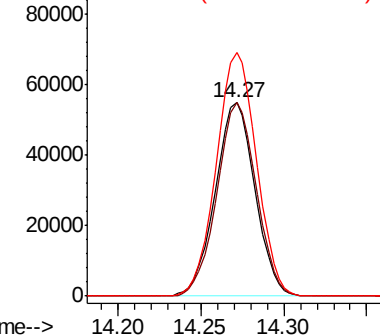


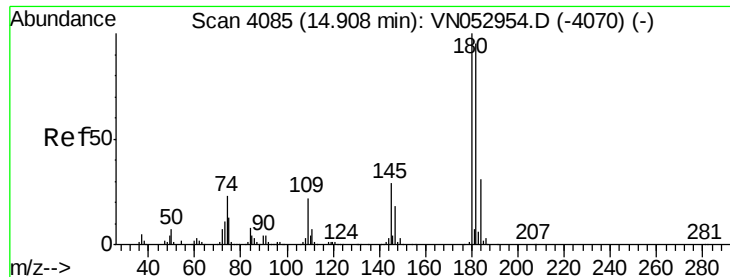
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.808 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion: 75 Resp: 91498
 Ion Ratio Lower Upper
 75 100
 155 98.8 48.2 144.6
 157 127.0 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

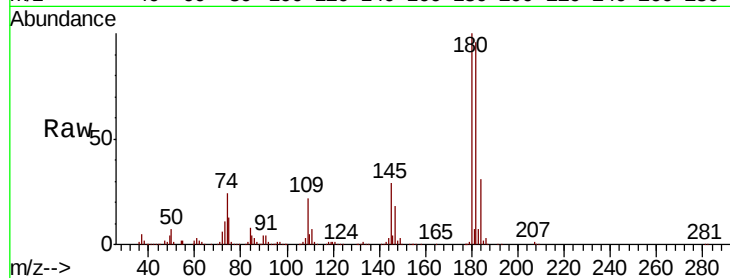




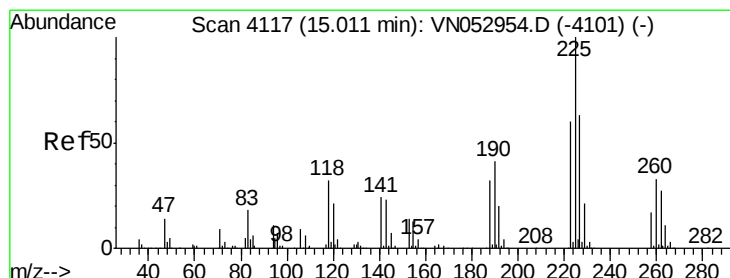
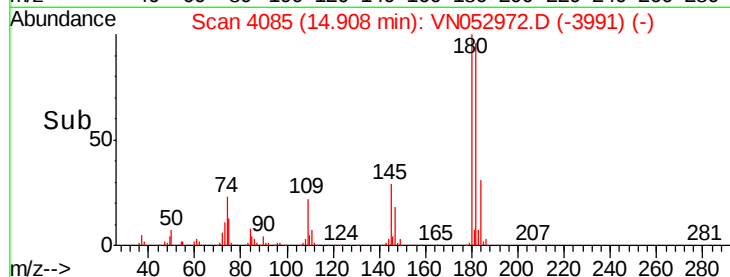
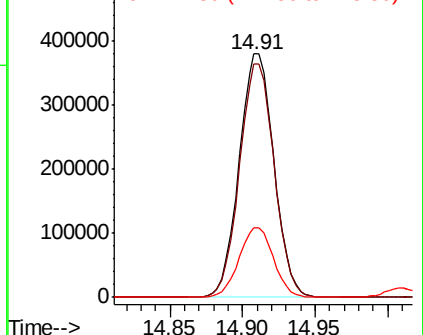
#93
 1,2,4-Trichlorobenzene
 Concen: 47.809 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 631663
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.3
 145 28.4 14.2 42.6

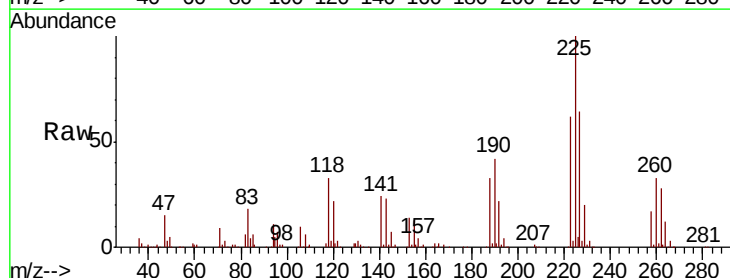


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

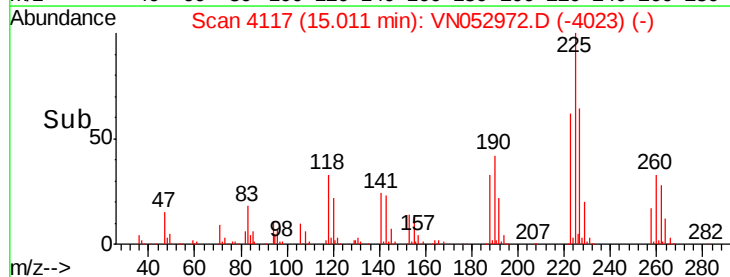
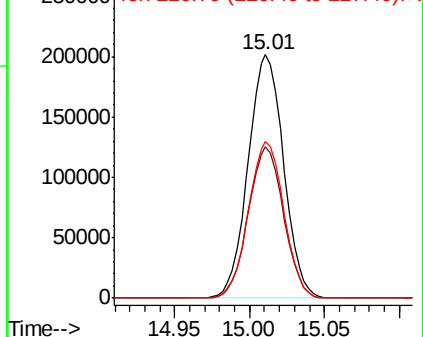


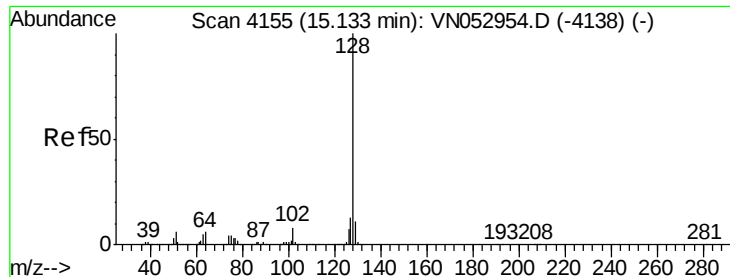
#94
 Hexachlorobutadiene
 Concen: 48.430 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052972.D
 Acq: 18 Dec 2018 20:11

Tgt Ion:225 Resp: 332105
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.5 94.5
 227 64.3 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

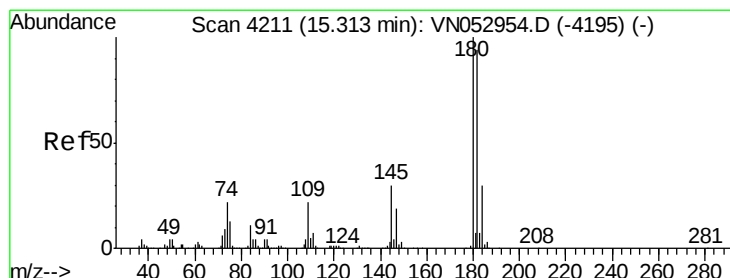
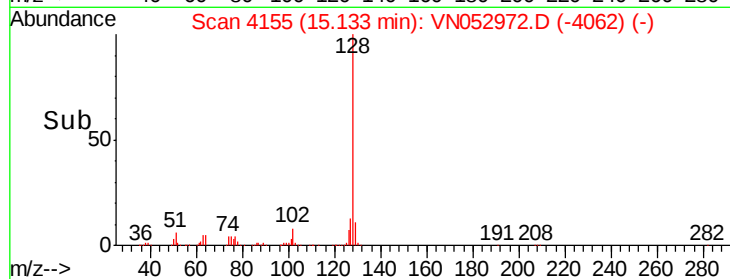
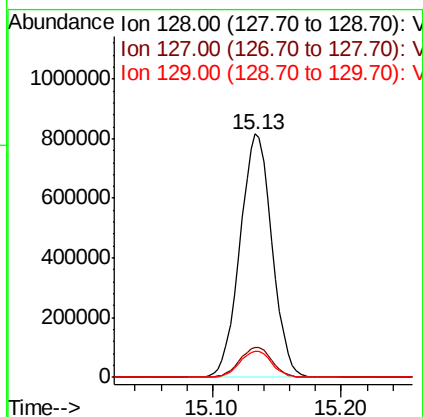
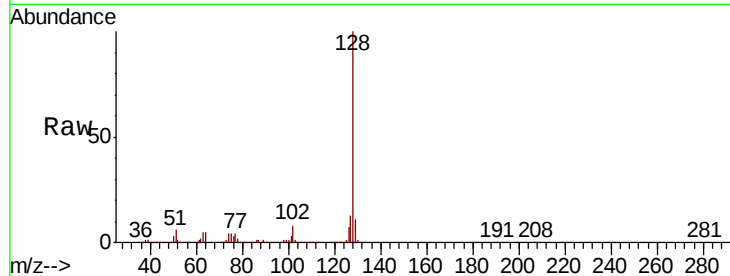




#95
Naphthalene
Concen: 48.605 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1406541
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 48.030 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052972.D
Acq: 18 Dec 2018 20:11

Tgt Ion:180 Resp: 571518
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 30.0 15.0 45.0

