

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053172.D
 Acq On : 24 Dec 2018 9:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 24 22:21:09 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	7.66	168	976172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1447940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1322272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	643700	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	490227	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	422882	63.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.88%	
50) Toluene-d8	10.09	98	1831524	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.40	95	655613	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	480385	48.624	ug/l	100
3) Chloromethane	2.06	50	627409	52.406	ug/l	99
4) Vinyl Chloride	2.19	62	595801	49.139	ug/l	99
5) Bromomethane	2.57	94	386383	45.995	ug/l	100
6) Chloroethane	2.71	64	358558	49.932	ug/l	98
7) Trichlorofluoromethane	3.02	101	759009	50.251	ug/l	99
8) Diethyl Ether	3.41	74	292980	51.416	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	495416	51.442	ug/l	99
10) Methyl Iodide	3.96	142	608907	45.023	ug/l	99
11) Tert butyl alcohol	4.77	59	143906	238.080	ug/l	98
12) 1,1-Dichloroethene	3.74	96	456486	49.062	ug/l	98
13) Acrolein	3.61	56	167458	305.539	ug/l	100
14) Allyl chloride	4.32	41	746392	51.790	ug/l	99
15) Acrylonitrile	4.98	53	856129	254.953	ug/l	99
16) Acetone	3.81	43	470551	242.263	ug/l	97
17) Carbon Disulfide	4.06	76	1304662	42.997	ug/l	100
18) Methyl Acetate	4.32	43	467853	53.010	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1268634	50.952	ug/l	99
20) Methylene Chloride	4.55	84	544339	51.377	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	492135	49.231	ug/l	99
22) Diisopropyl ether	5.95	45	1664721	54.115	ug/l	97
23) Vinyl Acetate	5.89	43	4769081	269.602	ug/l	100
24) 1,1-Dichloroethane	5.85	63	949217	51.927	ug/l	99
25) 2-Butanone	6.83	43	855356	262.405	ug/l	99
26) 2,2-Dichloropropane	6.82	77	708210	50.752	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	582393	51.461	ug/l	99
28) Bromochloromethane	7.19	49	397404	50.171	ug/l	98
29) Tetrahydrofuran	7.21	42	627767	257.857	ug/l	99
30) Chloroform	7.37	83	924317	51.473	ug/l	99
31) Cyclohexane	7.65	56	886146	51.724	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	762362	49.836	ug/l	99
36) 1,1-Dichloropropene	7.79	75	727051	52.314	ug/l	99
37) Ethyl Acetate	6.92	43	417663	53.834	ug/l	99
38) Carbon Tetrachloride	7.77	117	665060	52.209	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053172.D
 Acq On : 24 Dec 2018 9:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 24 22:21:09 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)
39) Methylcyclohexane	9.08	83	870190	51.543	ug/l	98
40) Benzene	8.04	78	2184681	52.848	ug/l	100
41) Methacrylonitrile	7.17	41	271850	60.644	ug/l	90
42) 1,2-Dichloroethane	8.12	62	635153	52.010	ug/l	99
43) Isopropyl Acetate	8.16	43	757310	50.450	ug/l	97
44) Trichloroethene	8.83	130	597168	49.944	ug/l	97
45) 1,2-Dichloropropane	9.12	63	582733	54.120	ug/l	100
46) Dibromomethane	9.21	93	325680	51.922	ug/l	99
47) Bromodichloromethane	9.40	83	709714	53.229	ug/l	100
48) Methyl methacrylate	9.20	41	393565	52.277	ug/l	100
49) 1,4-Dioxane	9.19	88	96225	1010.423	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2056638	273.730	ug/l	99
52) Toluene	10.16	92	1376329	53.715	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	731393	52.166	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	858857	53.368	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	476813	53.341	ug/l	99
56) Ethyl methacrylate	10.43	69	626018	52.911	ug/l	99
57) 1,3-Dichloropropane	10.71	76	824667	53.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1603021	246.790	ug/l	99
59) 2-Hexanone	10.75	43	1416778	278.705	ug/l	99
60) Dibromochloromethane	10.90	129	537028	52.484	ug/l	99
61) 1,2-Dibromoethane	11.00	107	477876	52.638	ug/l	99
64) Tetrachloroethene	10.63	164	648403	45.270	ug/l	99
65) Chlorobenzene	11.43	112	1543465	52.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	537364	52.720	ug/l	100
67) Ethyl Benzene	11.51	91	2687723	53.320	ug/l	100
68) m/p-Xylenes	11.62	106	2038370	106.372	ug/l	100
69) o-Xylene	11.95	106	995852	54.157	ug/l	100
70) Styrene	11.96	104	1655722	55.220	ug/l	100
71) Bromoform	12.13	173	372847	50.635	ug/l #	99
73) Isopropylbenzene	12.25	105	2644501	52.508	ug/l	99
74) N-amyl acetate	12.07	43	700929	50.128	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	549484	55.612	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	746570	68.897	ug/l #	100
77) Bromobenzene	12.53	156	679866	51.931	ug/l	98
78) n-propylbenzene	12.59	91	3048893	53.154	ug/l	99
79) 2-Chlorotoluene	12.67	91	1784400	50.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2133628	51.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	169447	50.401	ug/l	97
82) 4-Chlorotoluene	12.77	91	1842699	52.944	ug/l	100
83) tert-Butylbenzene	12.99	119	1862748	51.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2154573	52.210	ug/l	100
85) sec-Butylbenzene	13.17	105	2505483	51.021	ug/l	99
86) p-Isopropyltoluene	13.29	119	2187758	51.558	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1200424	51.807	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1196323	50.984	ug/l	100
89) n-Butylbenzene	13.62	91	1853297	50.768	ug/l	100
90) Hexachloroethane	13.88	117	345450	53.051	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1125253	51.600	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81109	47.476	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053172.D
Acq On : 24 Dec 2018 9:19
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Dec 24 22:21:09 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

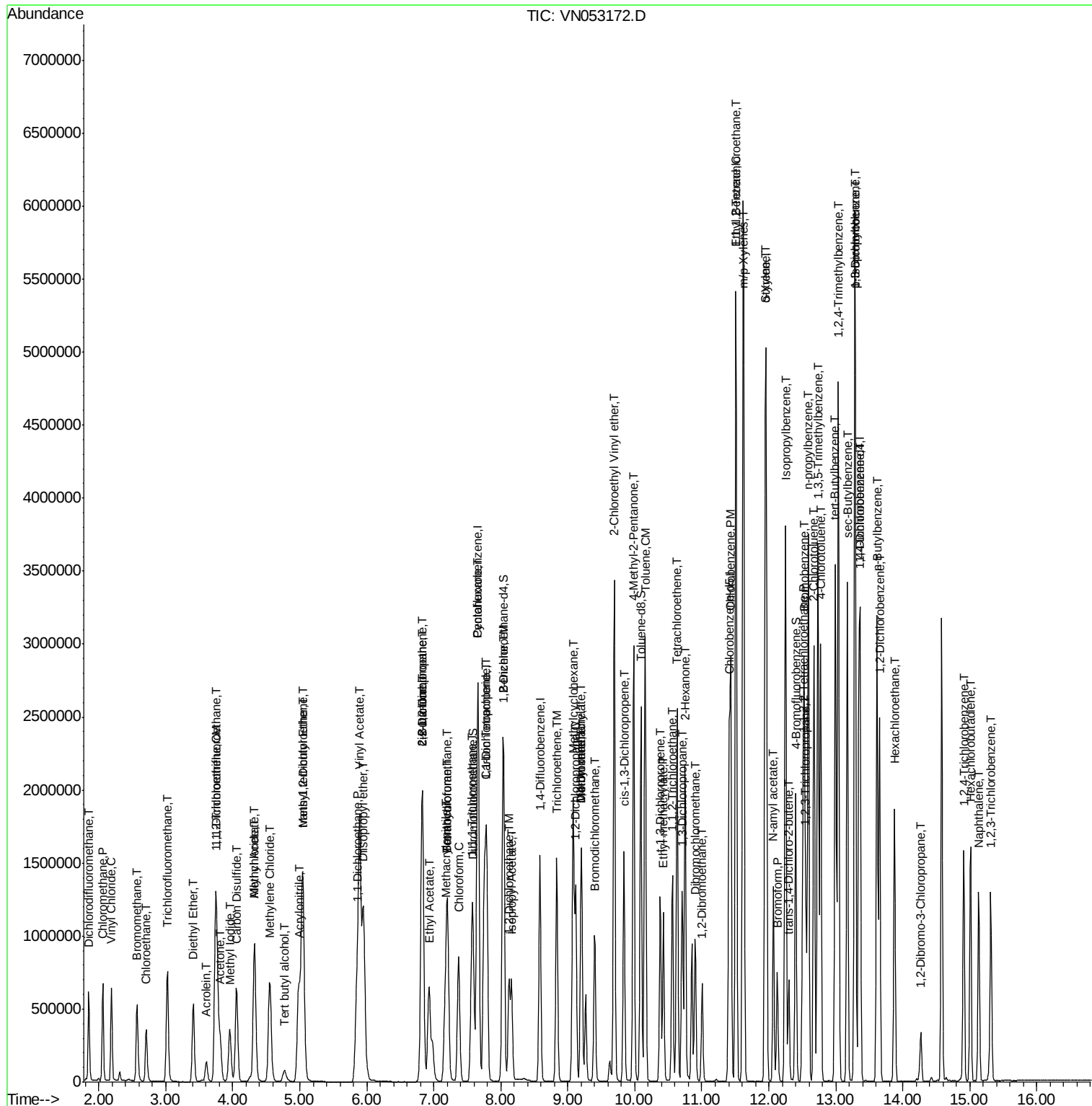
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	553672	47.947	ug/l	99
94) Hexachlorobutadiene	15.01	225	354223	59.775	ug/l	99
95) Naphthalene	15.13	128	1137293	45.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	484742	46.626	ug/l	99

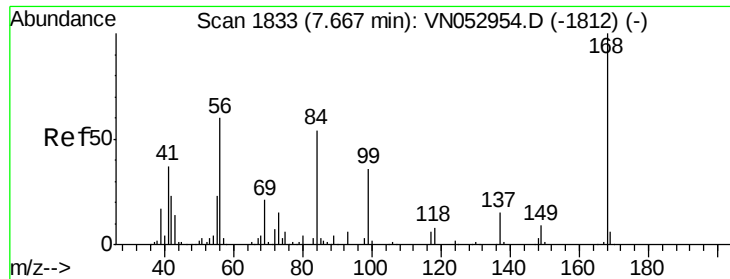
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053172.D
 Acq On : 24 Dec 2018 9:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 24 22:21:09 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

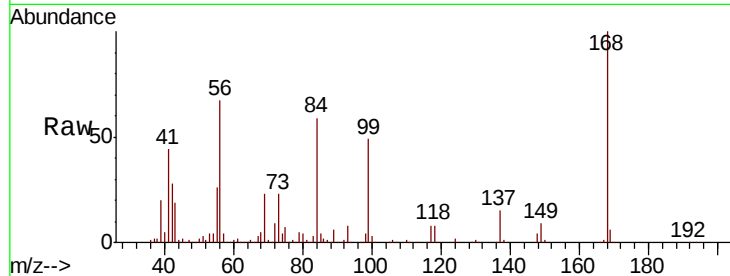
VSTDCCC050

Tot Ion:168 Resp: 976172

Ion Ratio Lower Upper

168 100

99 49.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

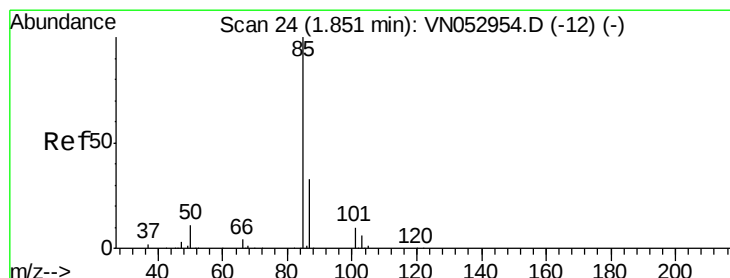
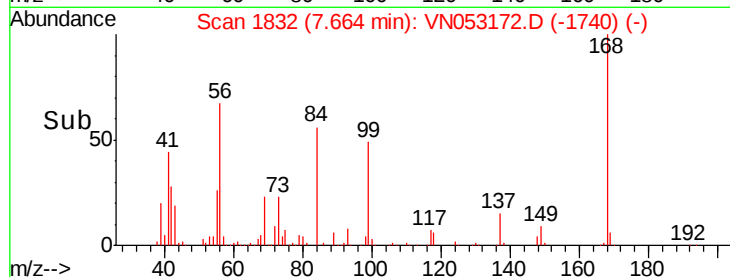
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 48.624 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053172.D

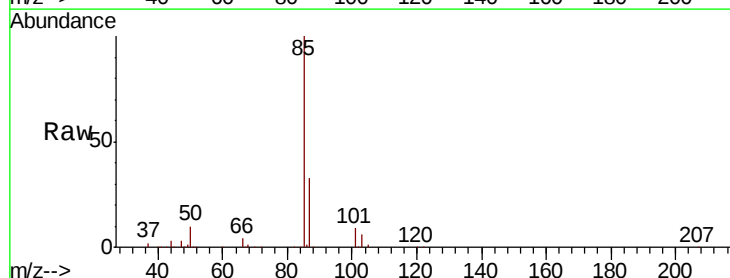
Acq: 24 Dec 2018 9:19

Tgt Ion: 85 Resp: 480385

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

300000

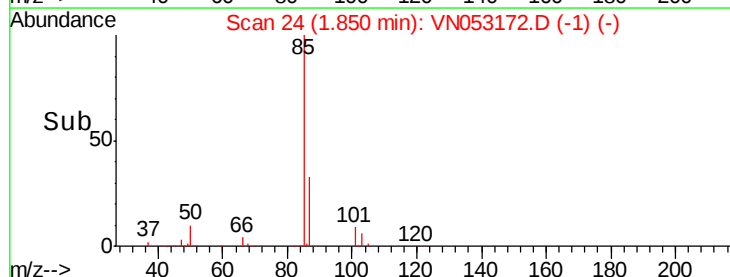
200000

100000

0

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 52.406 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

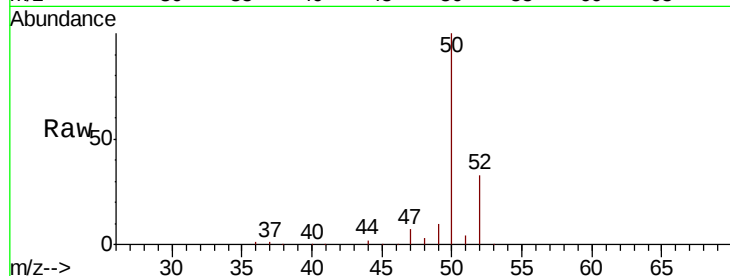
VSTDCCC050

Tot Ion: 50 Resp: 627409

Ion Ratio Lower Upper

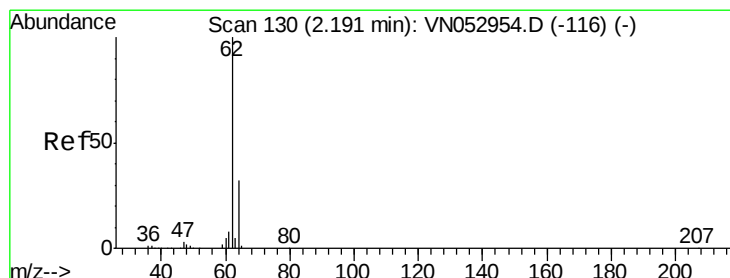
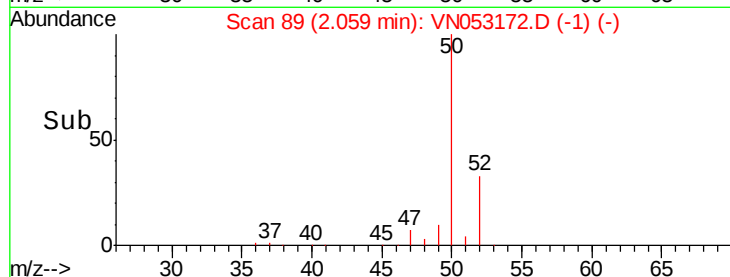
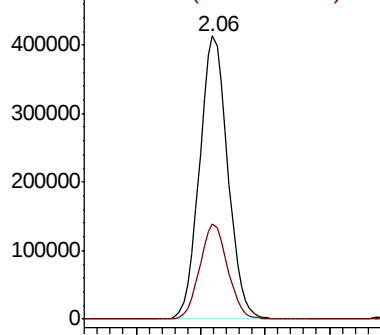
50 100

52 33.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 49.139 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053172.D

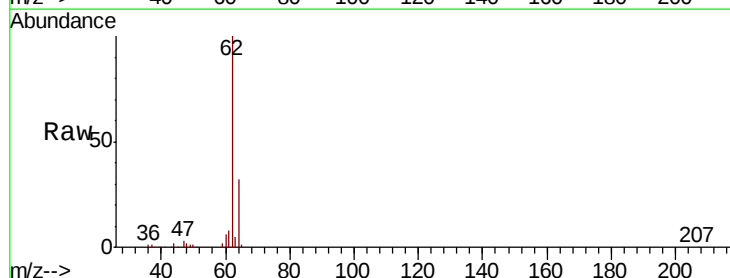
Acq: 24 Dec 2018 9:19

Tgt Ion: 62 Resp: 595801

Ion Ratio Lower Upper

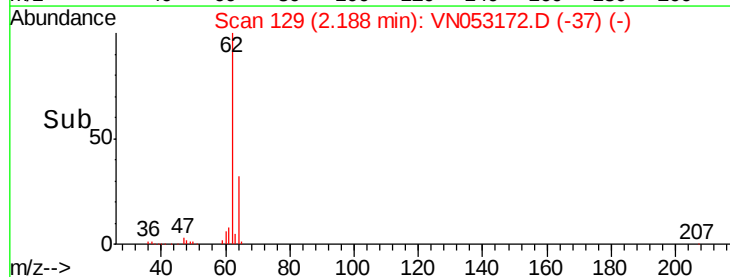
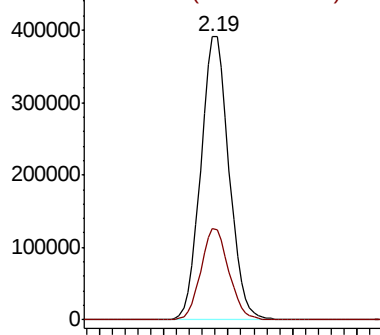
62 100

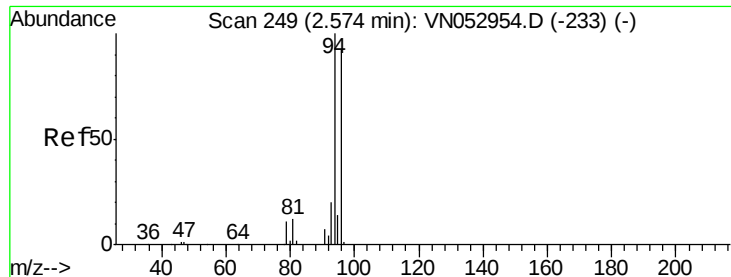
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

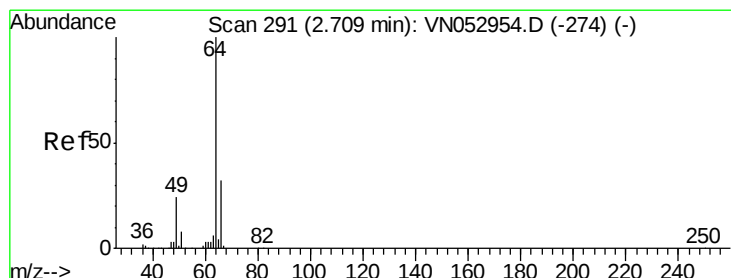
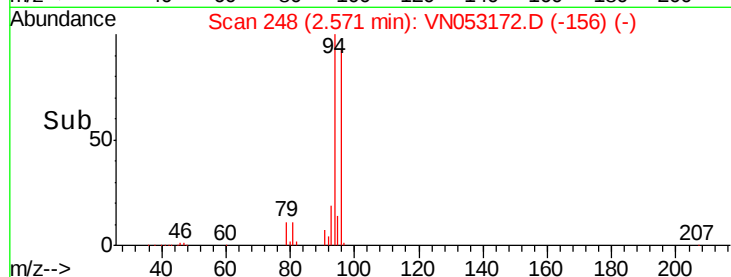
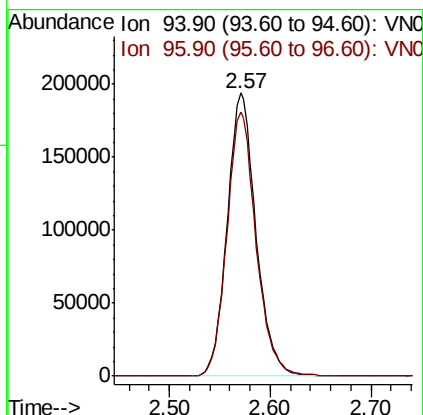
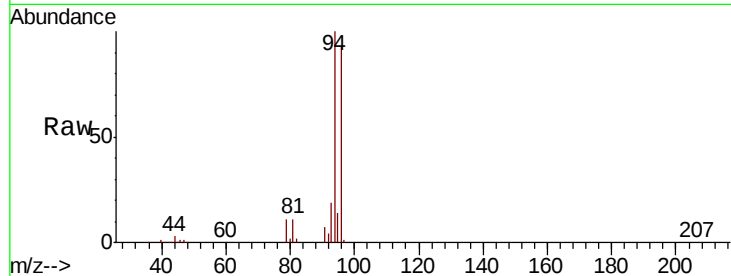




#5
 Bromomethane
 Concen: 45.995 ug/l
 RT: 2.57 min Scan# 248
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

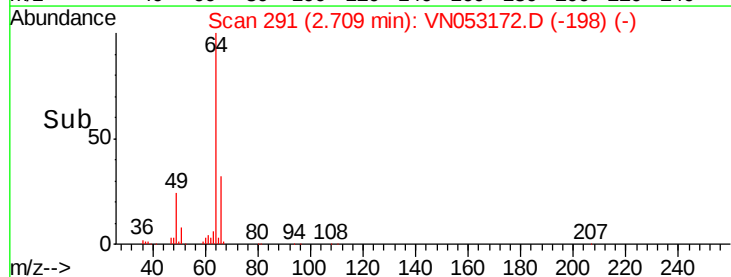
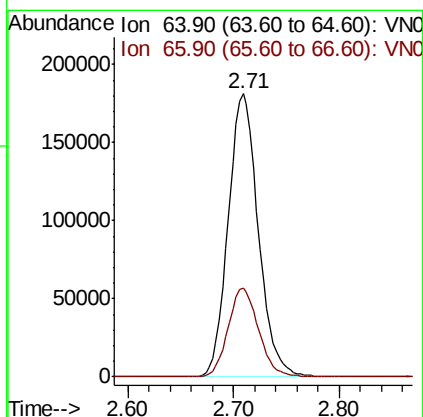
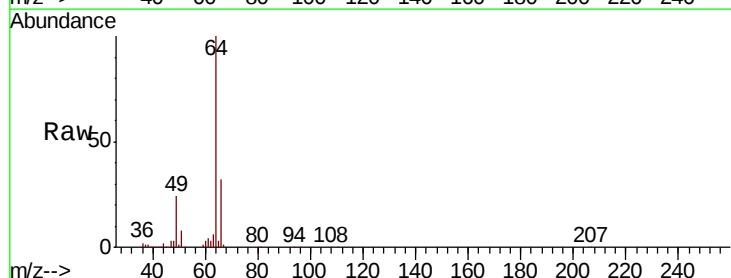
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

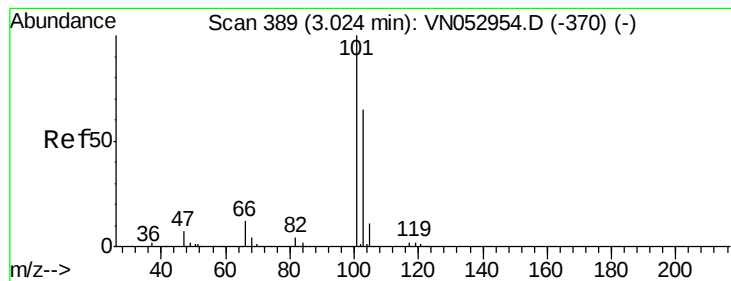
Tot Ion: 94 Resp: 386383
 Ion Ratio Lower Upper
 94 100
 96 93.4 75.0 112.4



#6
 Chloroethane
 Concen: 49.932 ug/l
 RT: 2.71 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion: 64 Resp: 358558
 Ion Ratio Lower Upper
 64 100
 66 31.5 26.2 39.2



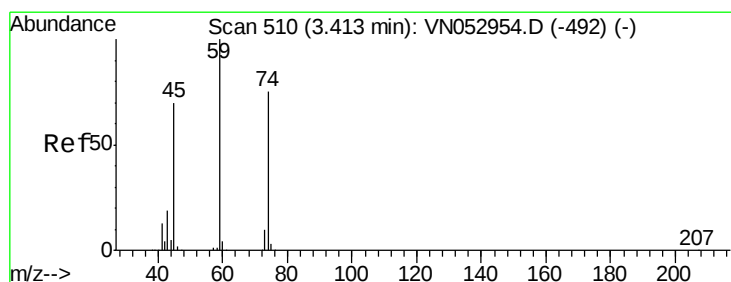
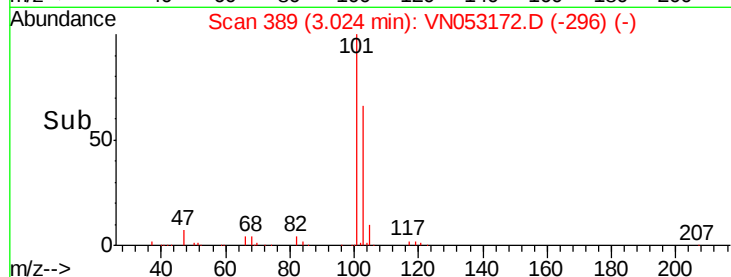
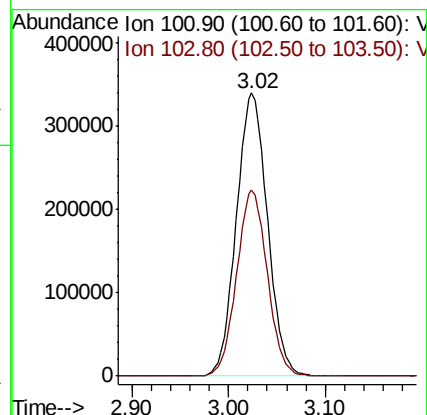
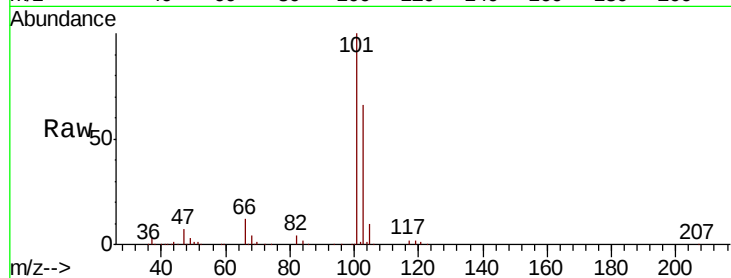


#7

Trichlorofluoromethane
 Concen: 50.251 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

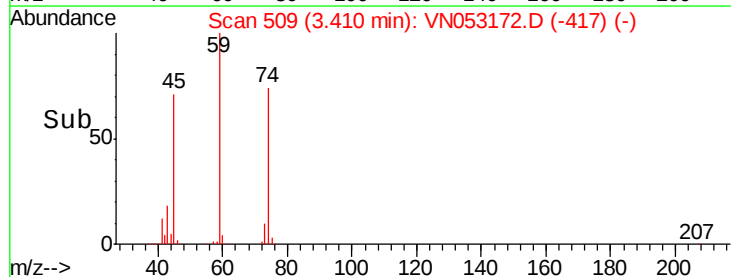
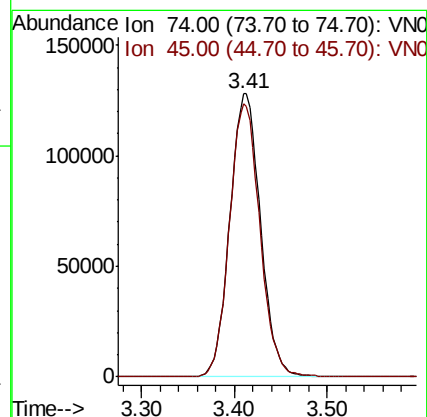
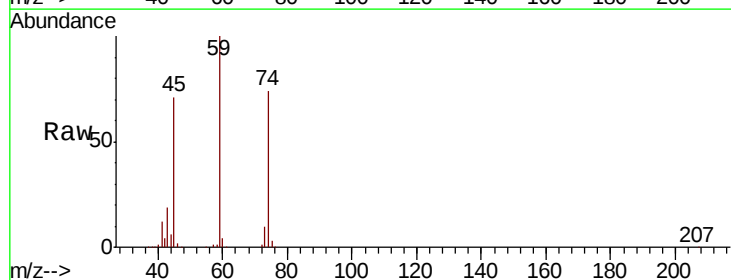
Tot Ion:101 Resp: 759009
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.6

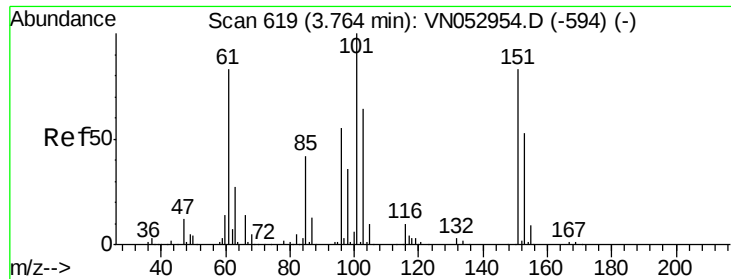


#8

Diethyl Ether
 Concen: 51.416 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion: 74 Resp: 292980
 Ion Ratio Lower Upper
 74 100
 45 96.3 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.442 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

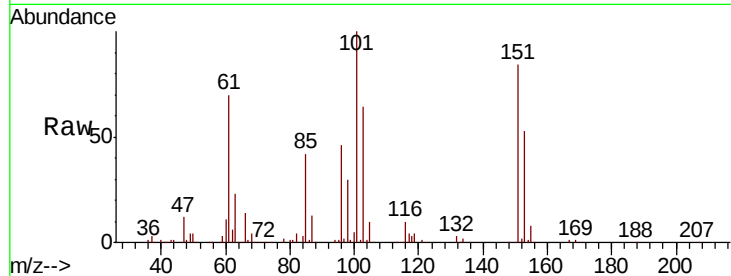
Tot Ion:101 Resp: 495416

Ion Ratio Lower Upper

101 100

85 42.0 33.6 50.4

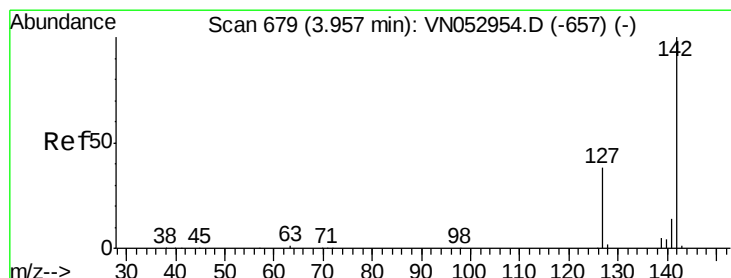
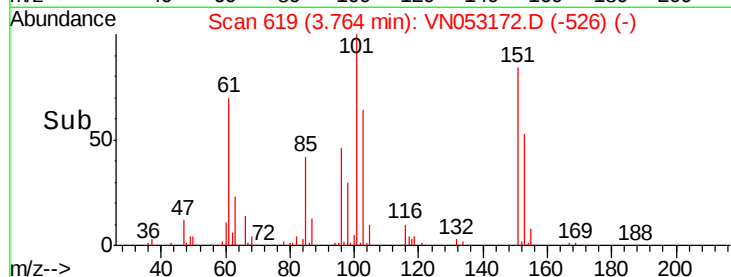
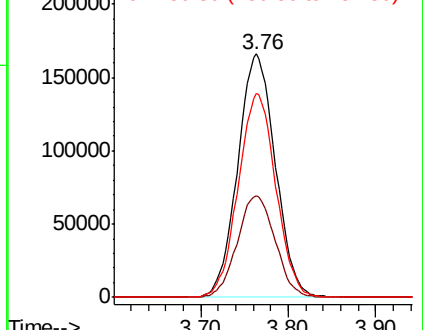
151 83.5 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.023 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

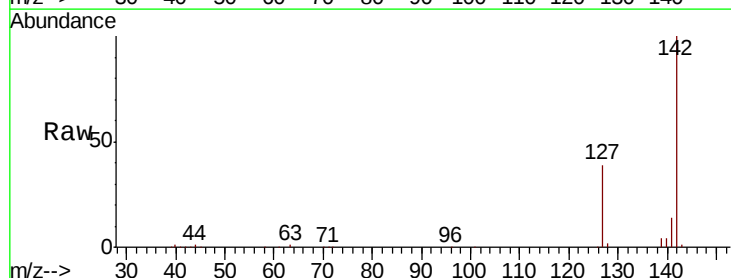
Tgt Ion:142 Resp: 608907

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.6

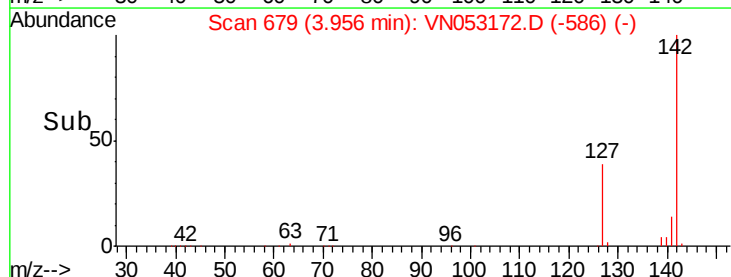
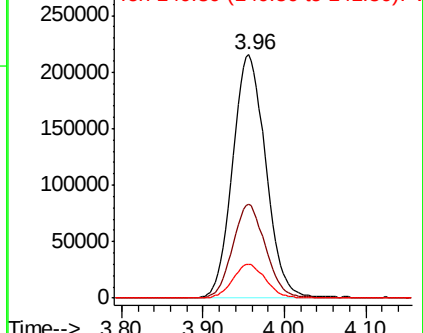
141 13.9 11.2 16.8

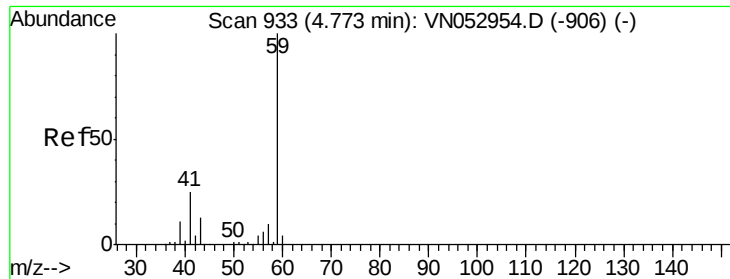


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

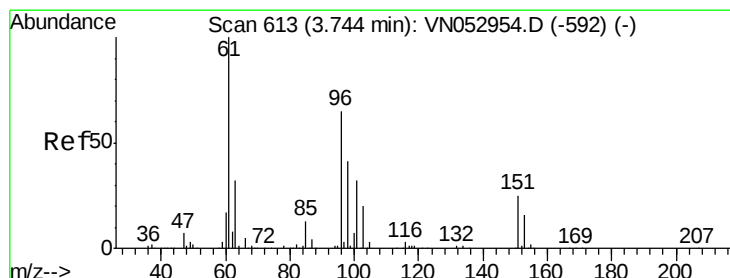
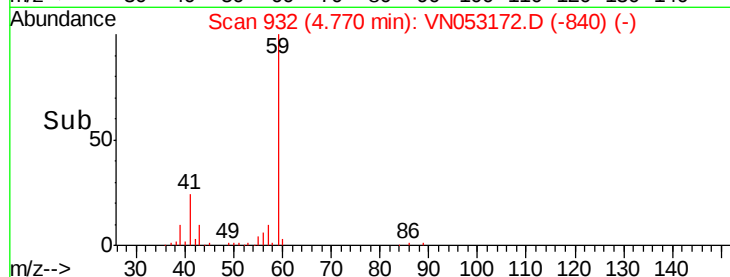
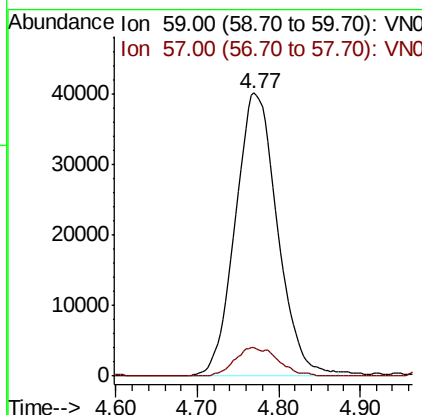
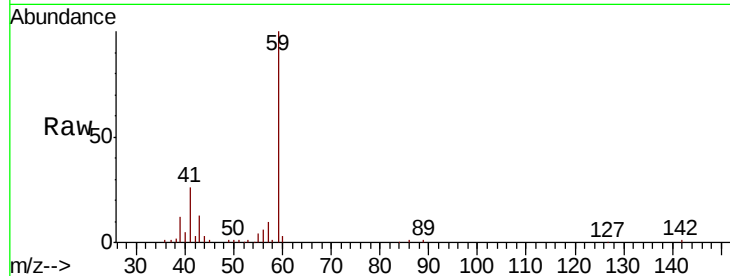




#11
Tert butyl alcohol
Concen: 238.080 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

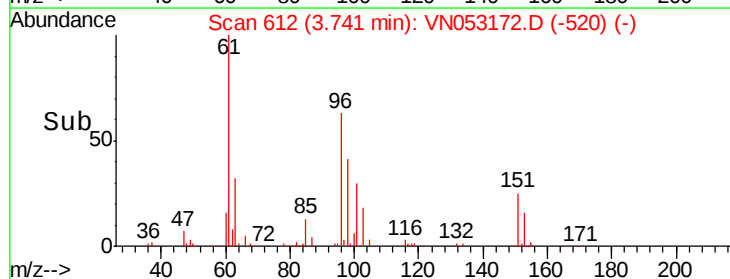
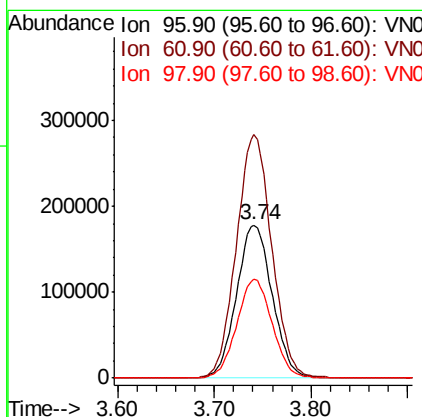
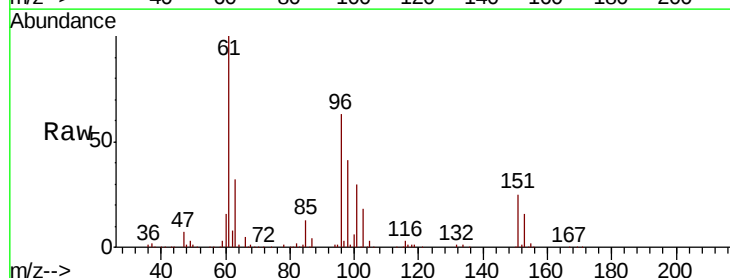
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

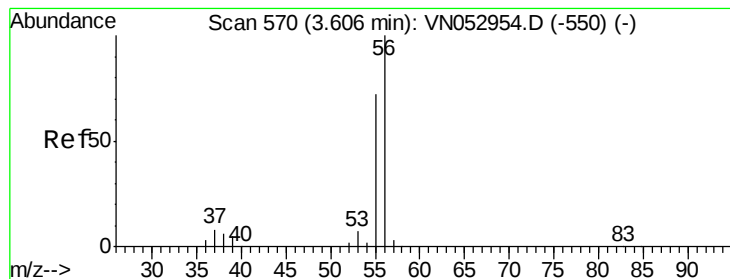
Tot Ion: 59 Resp: 143906
Ion Ratio Lower Upper
59 100
57 10.4 7.7 11.5



#12
1,1-Dichloroethene
Concen: 49.062 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 96 Resp: 456486
Ion Ratio Lower Upper
96 100
61 159.4 125.6 188.4
98 65.0 50.6 75.8





#13

Acrolein

Concen: 305.539 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

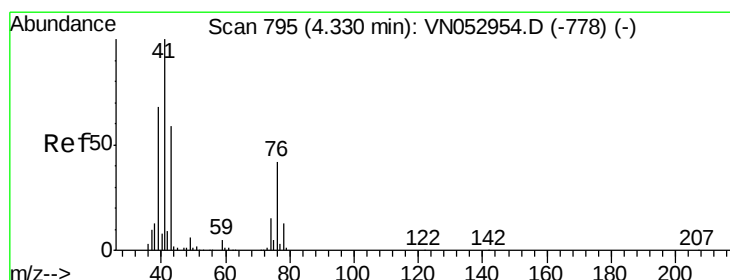
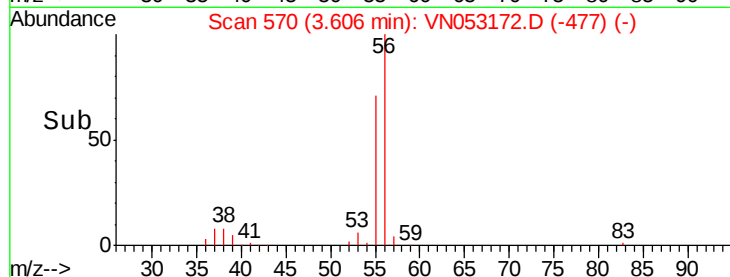
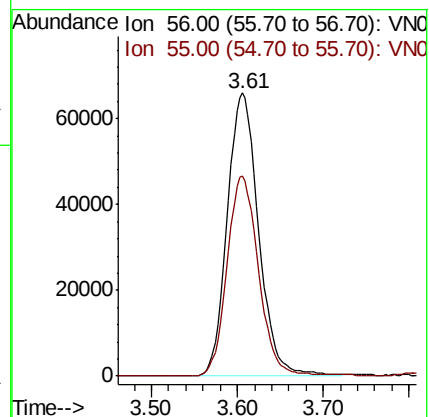
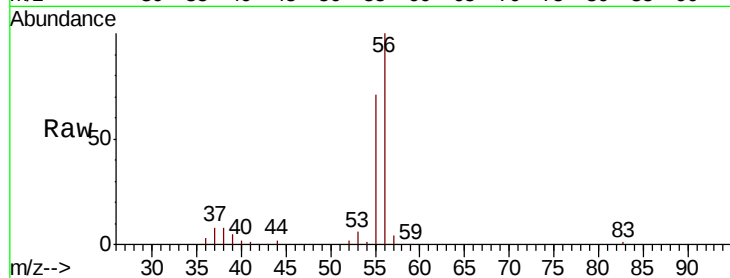
VSTDCCC050

Tot Ion: 56 Resp: 167458

Ion Ratio Lower Upper

56 100

55 70.7 56.6 85.0



#14

Allyl chloride

Concen: 51.790 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.01 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

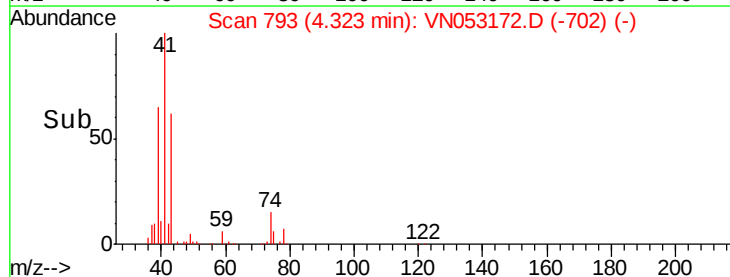
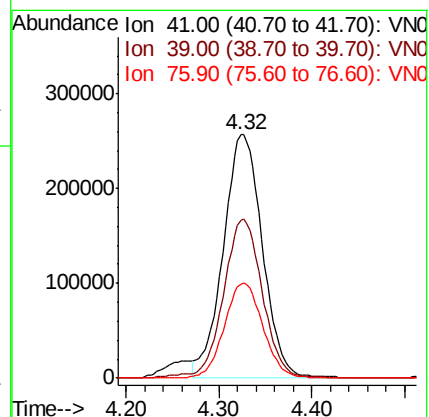
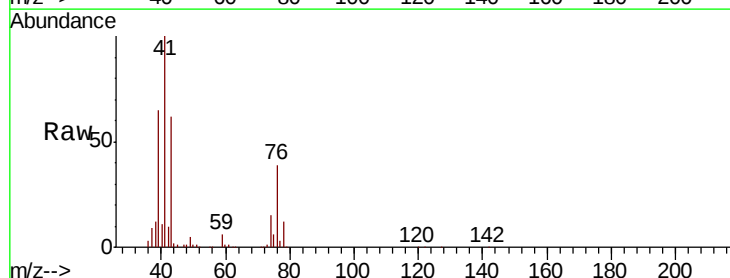
Tgt Ion: 41 Resp: 746392

Ion Ratio Lower Upper

41 100

39 65.8 54.1 81.1

76 38.0 30.3 45.5





#15

Acrylonitrile

Concen: 254.953 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

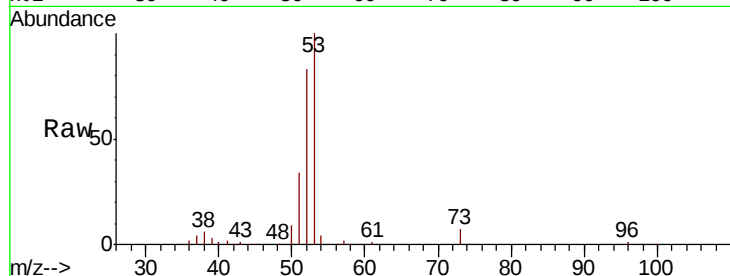
Tot Ion: 53 Resp: 856129

Ion Ratio Lower Upper

53 100

52 82.4 65.1 97.7

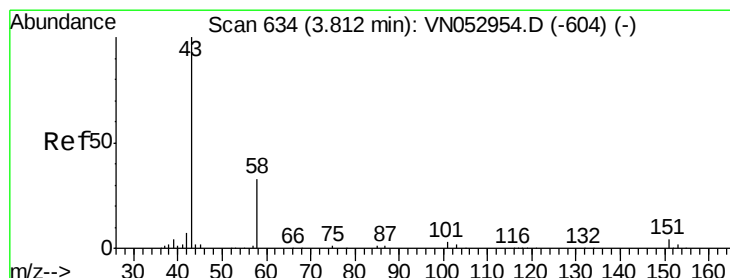
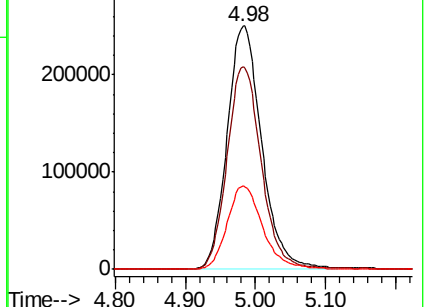
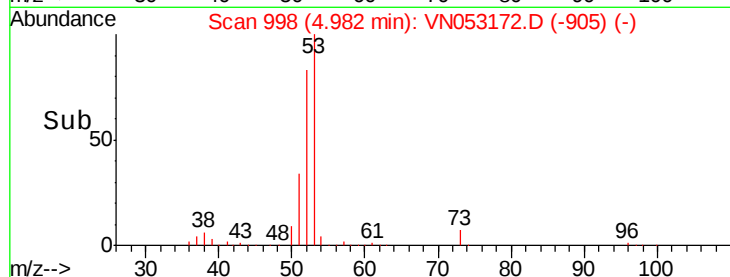
51 35.5 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053172.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053172.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053172.D (-905) (-)



#16

Acetone

Concen: 242.263 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053172.D

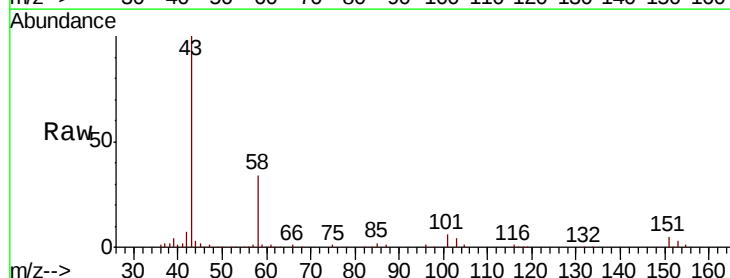
Acq: 24 Dec 2018 9:19

Tgt Ion: 43 Resp: 470551

Ion Ratio Lower Upper

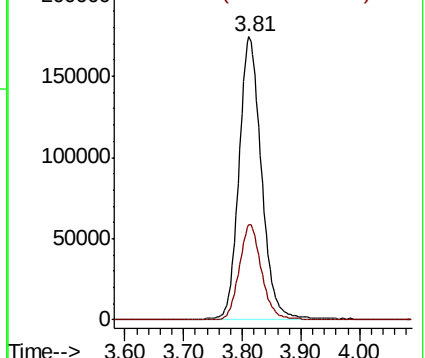
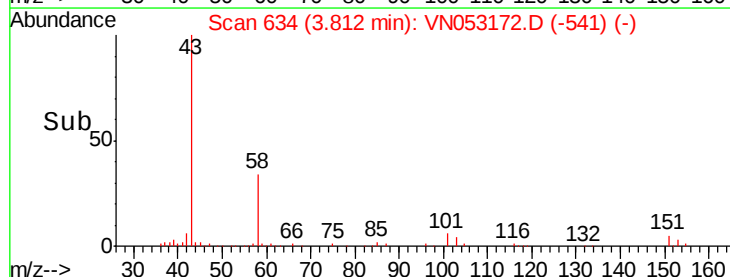
43 100

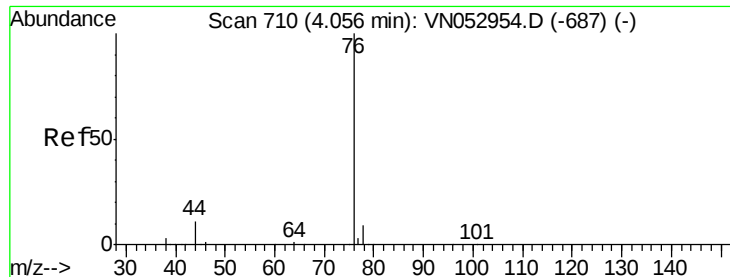
58 33.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053172.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053172.D (-541) (-)

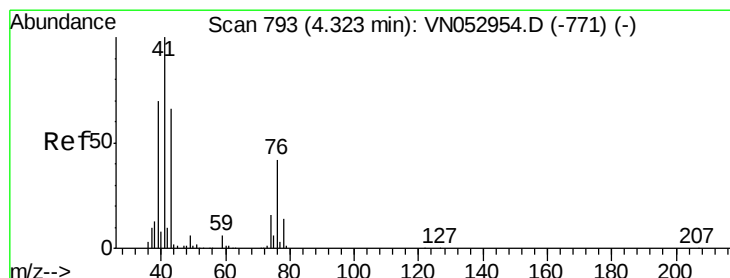
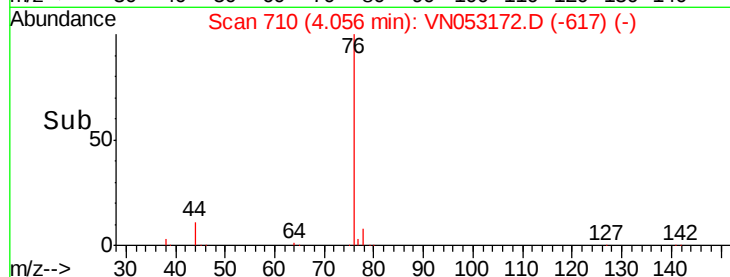
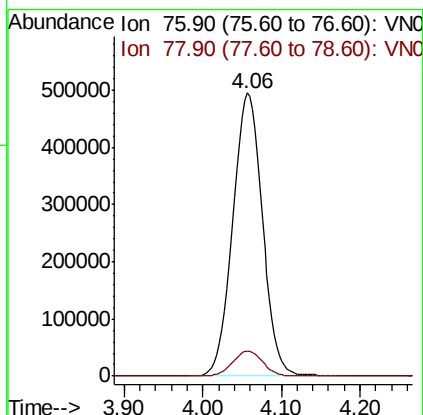
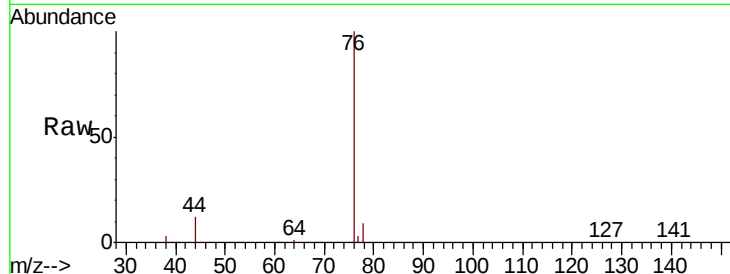




#17
Carbon Disulfide
Concen: 42.997 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

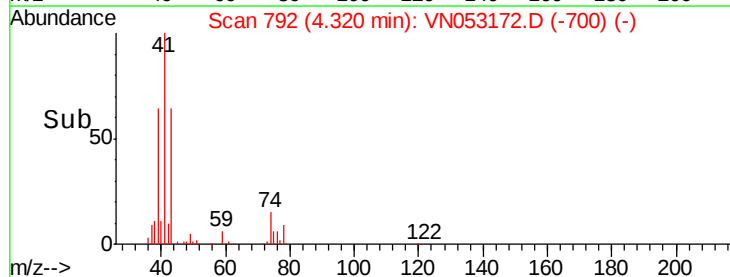
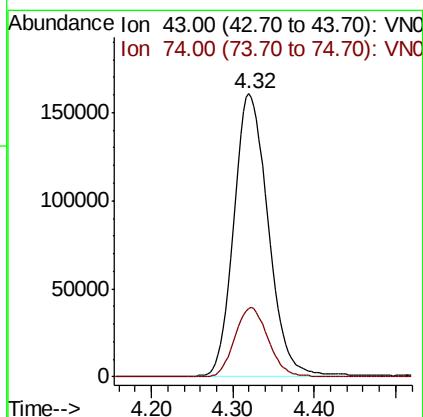
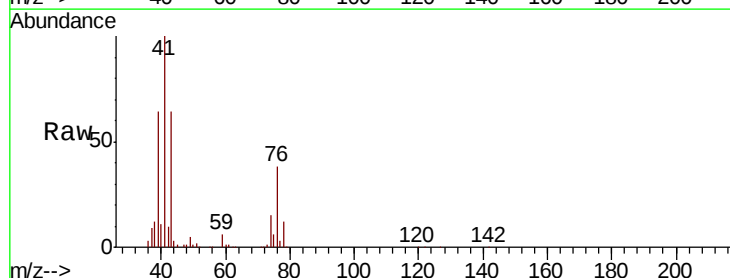
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

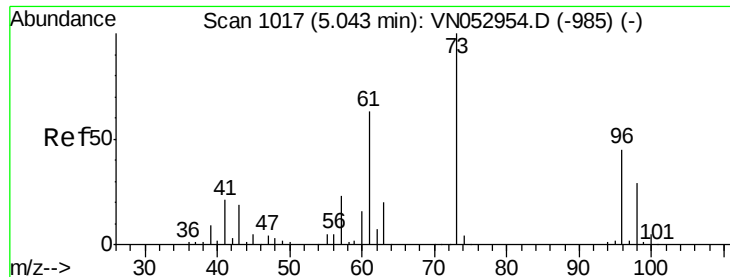
Tot Ion: 76 Resp: 1304662
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7



#18
Methyl Acetate
Concen: 53.010 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 43 Resp: 467853
Ion Ratio Lower Upper
43 100
74 24.1 19.2 28.8

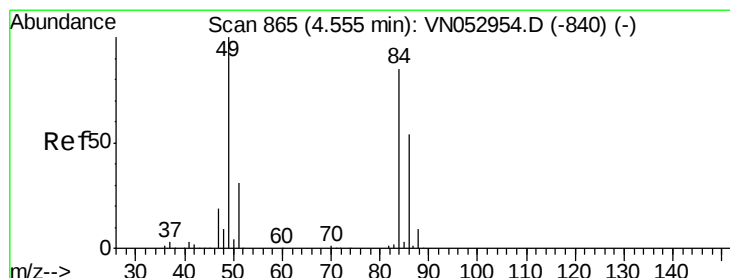
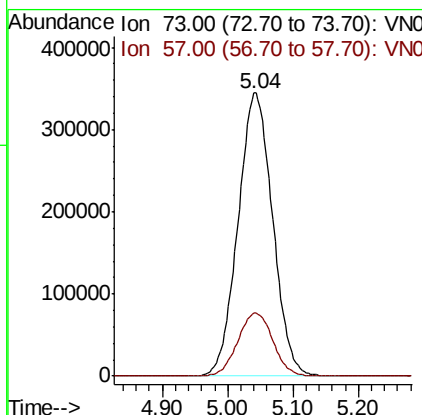
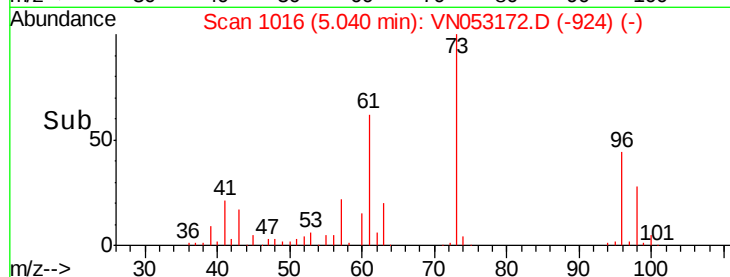
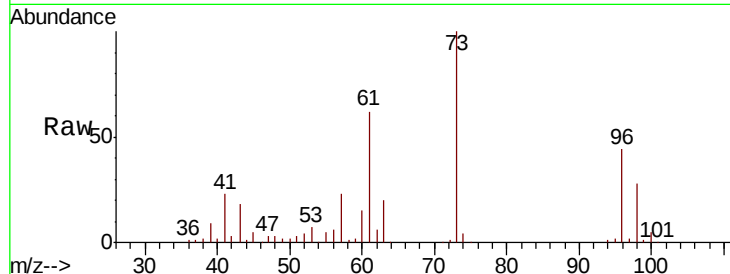




#19
Methvl tert-butvl Ether
Concen: 50.952 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

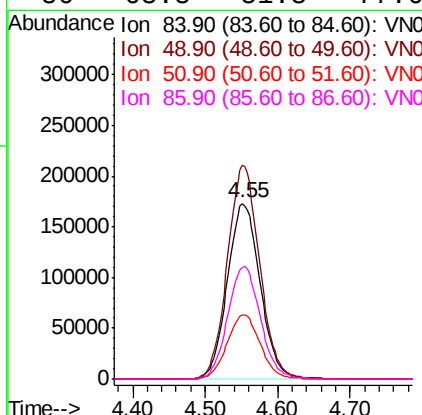
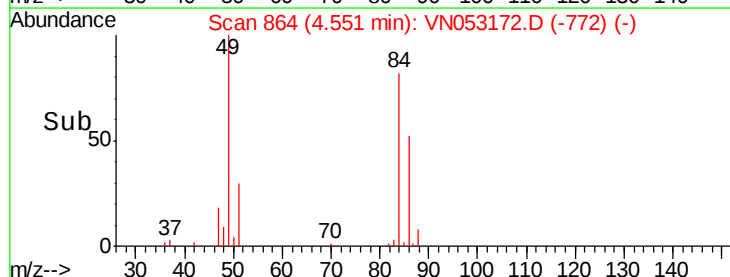
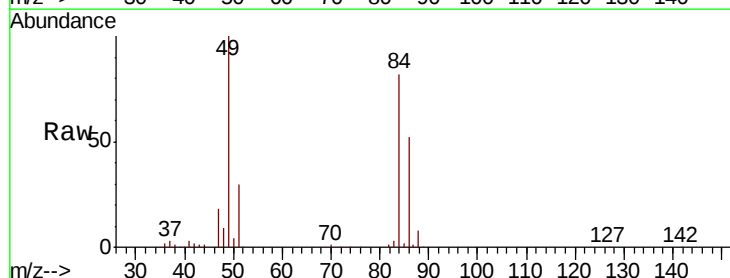
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

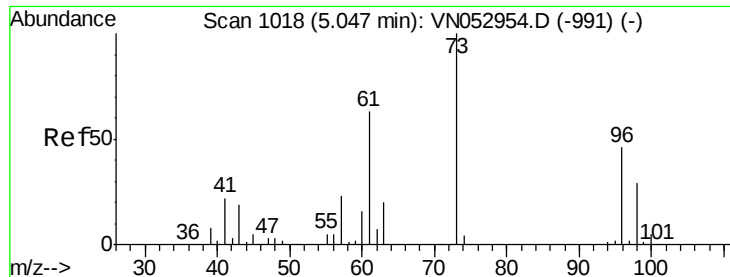
Tot Ion: 73 Resp: 1268634
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6



#20
Methylene Chloride
Concen: 51.377 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 84 Resp: 544339
Ion Ratio Lower Upper
84 100
49 121.6 96.8 145.2
51 36.4 29.9 44.9
86 63.8 51.8 77.6

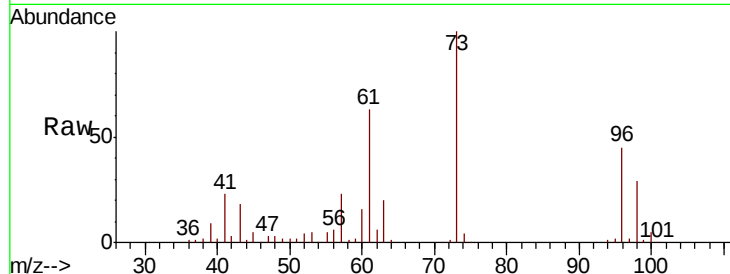




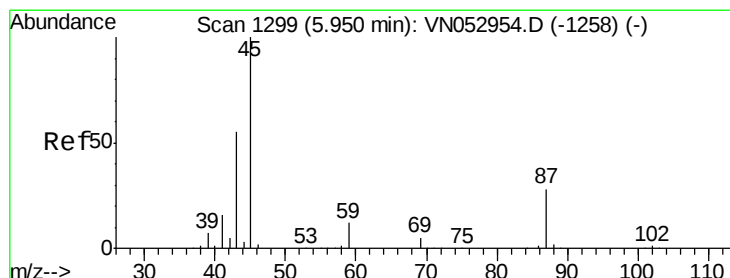
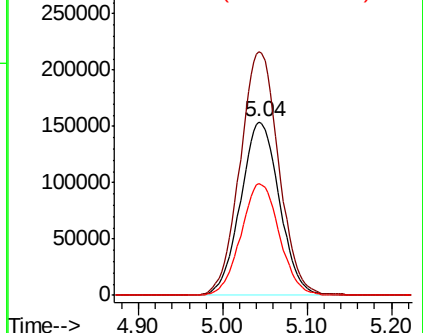
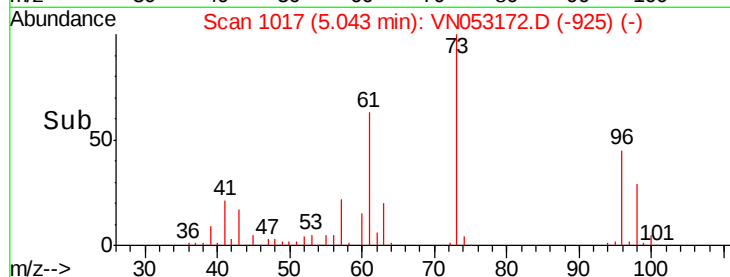
#21
trans-1,2-Dichloroethene
Concen: 49.231 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 492135
Ion Ratio Lower Upper
96 100
61 140.5 110.8 166.2
98 64.5 51.4 77.2

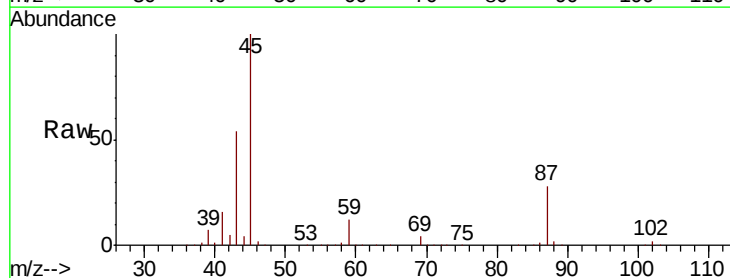


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

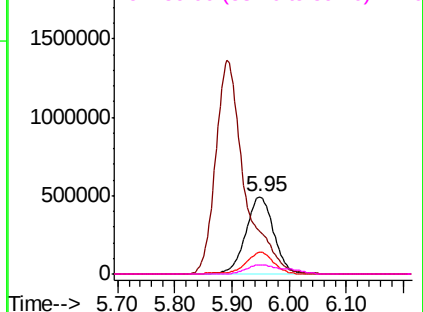
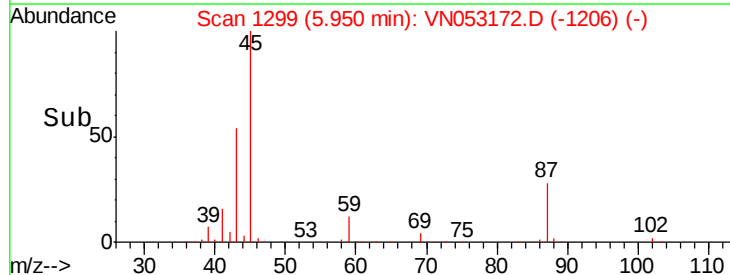


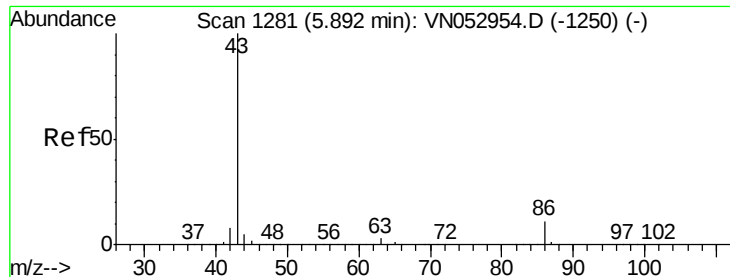
#22
Diisopropyl ether
Concen: 54.115 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 45 Resp: 1664721
Ion Ratio Lower Upper
45 100
43 54.0 45.5 68.3
87 27.9 22.0 33.0
59 11.8 9.4 14.0



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





#23

Vinyl Acetate

Concen: 269.602 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

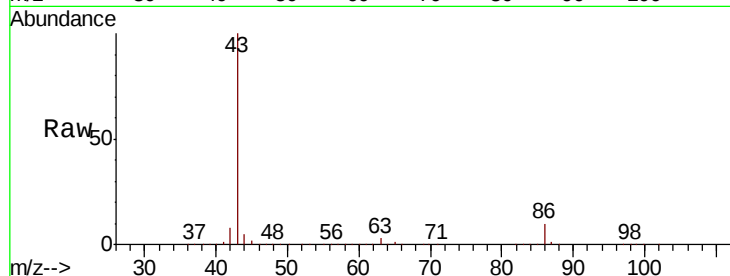
VSTDCCC050

Tot Ion: 43 Resp: 4769081

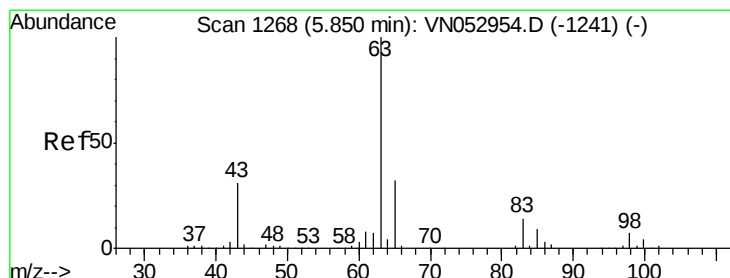
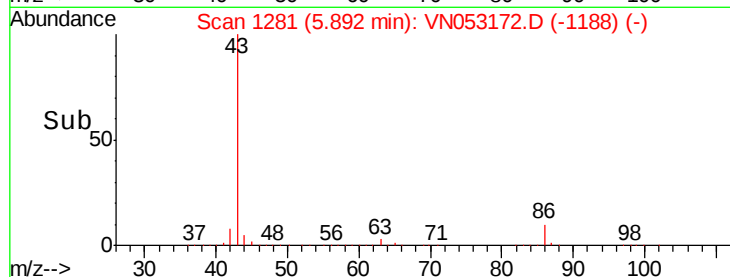
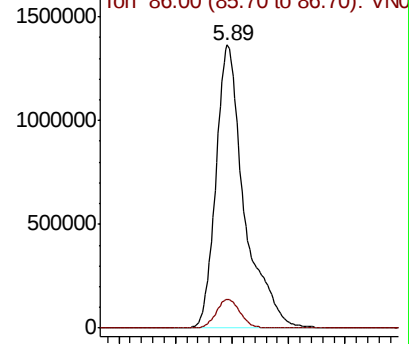
Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053172.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 51.927 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

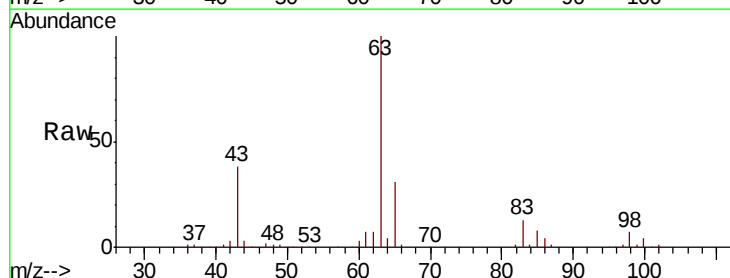
Tgt Ion: 63 Resp: 949217

Ion Ratio Lower Upper

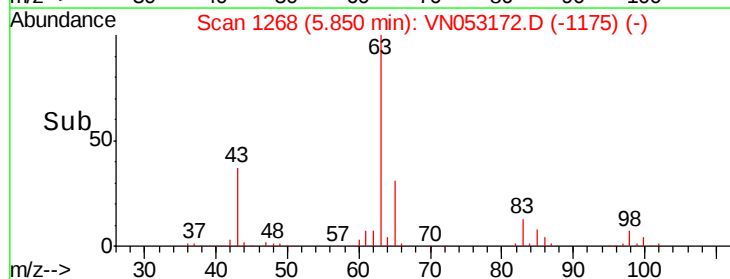
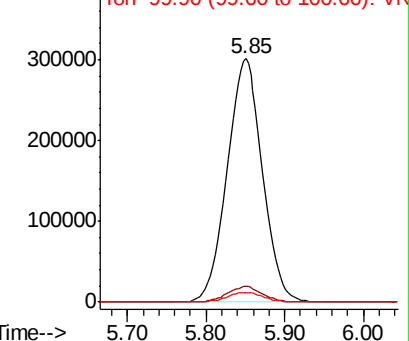
63 100

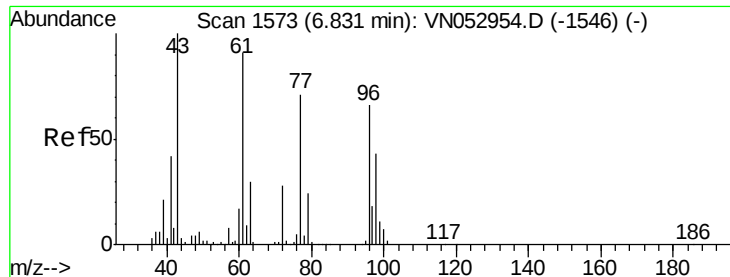
98 6.6 3.1 9.4

100 4.1 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053172.D (-1175) (-)

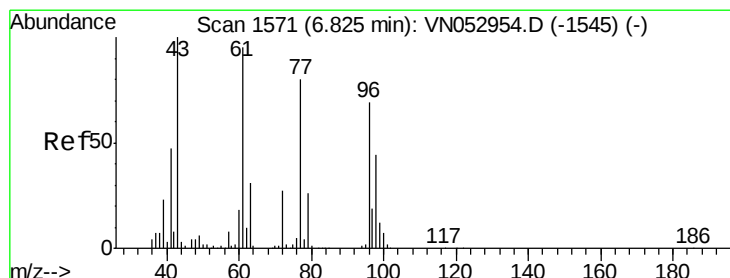
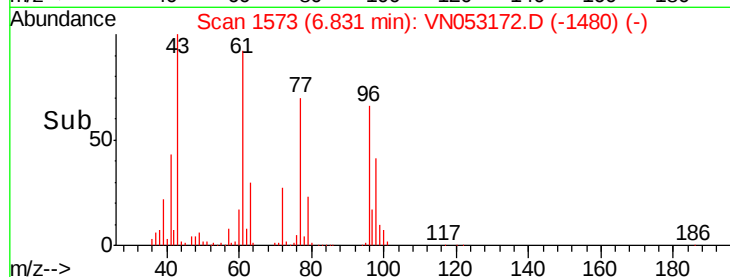
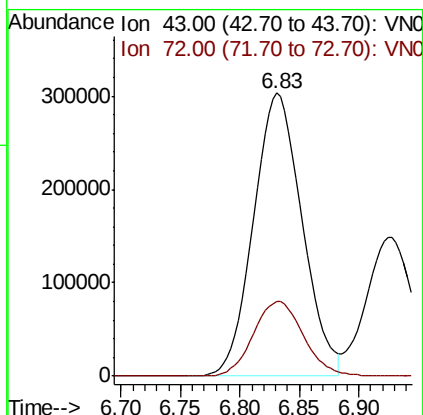
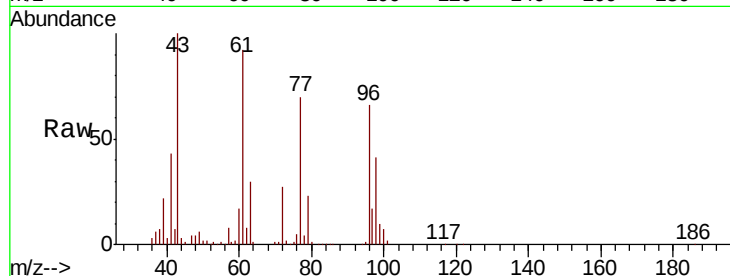




#25
2-Butanone
Concen: 262.405 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

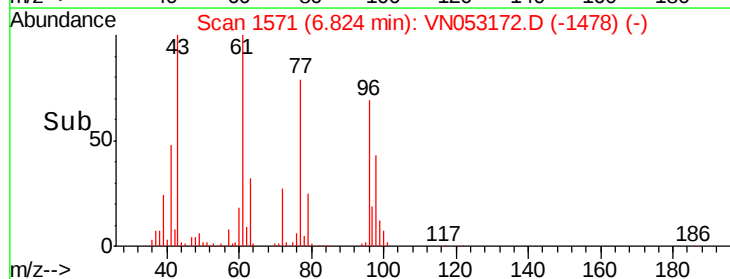
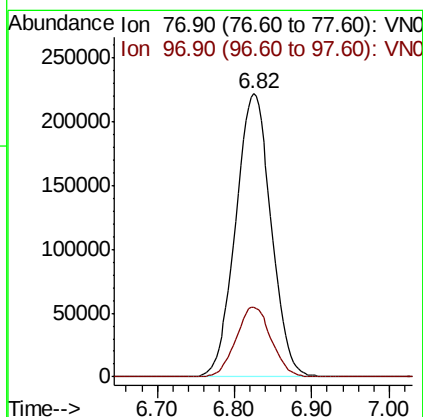
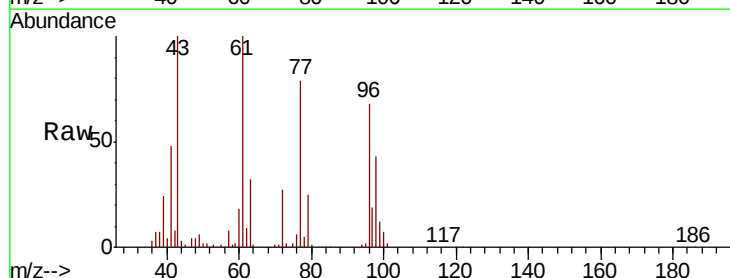
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

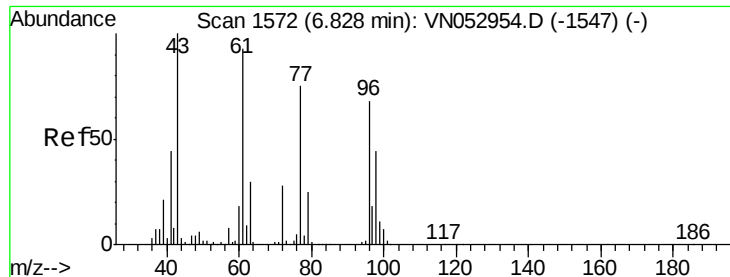
Tot Ion: 43 Resp: 855356
Ion Ratio Lower Upper
43 100
72 26.6 21.0 31.6



#26
2,2-Dichloropropane
Concen: 50.752 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 77 Resp: 708210
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 51.461 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

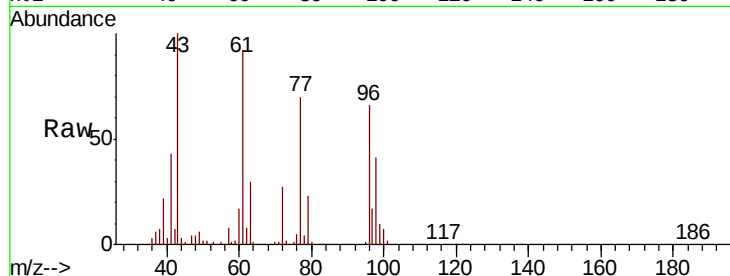
Tot Ion: 96 Resp: 582393

Ion Ratio Lower Upper

96 100

61 143.0 0.0 284.2

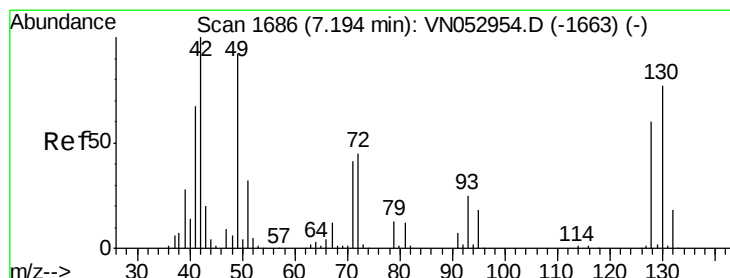
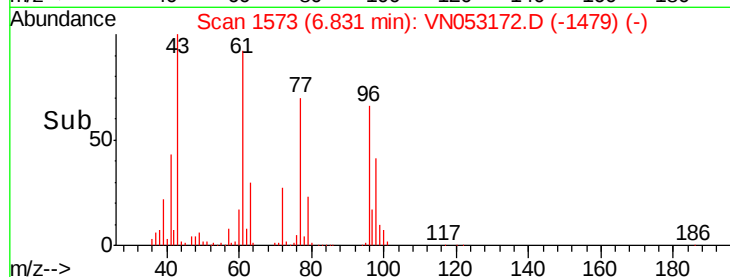
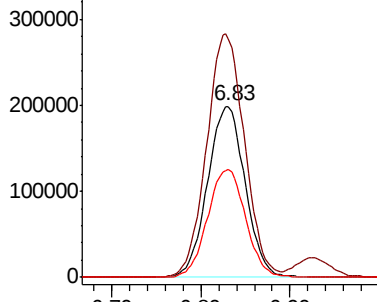
98 63.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053172.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053172.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053172.D (-1479) (-)



#28

Bromochloromethane

Concen: 50.171 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

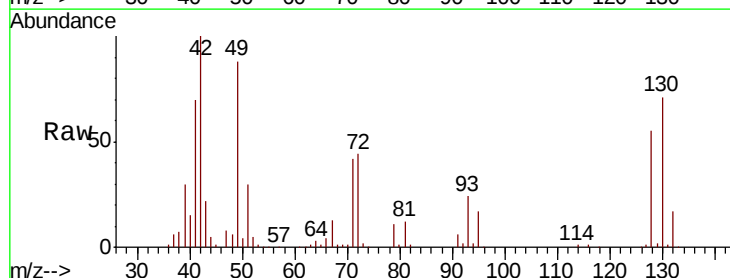
Tgt Ion: 49 Resp: 397404

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

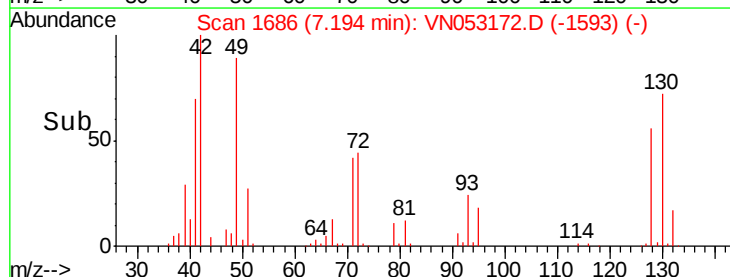
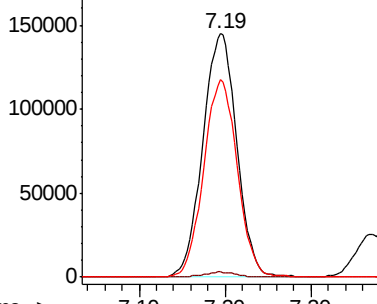
130 80.5 63.3 94.9

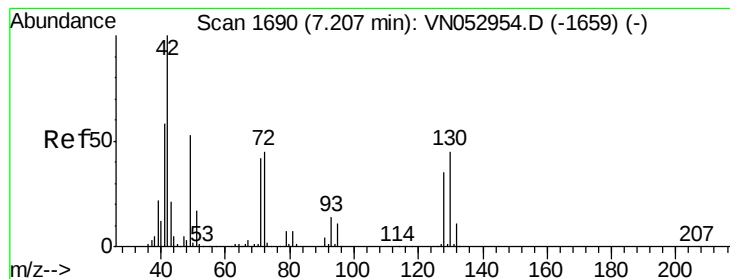


Abundance Ion 48.90 (48.60 to 49.60): VN053172.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053172.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053172.D (-1593) (-)

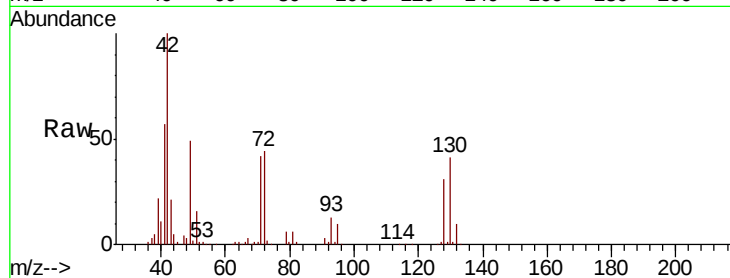




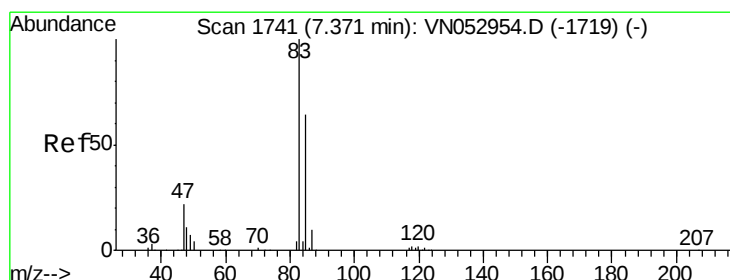
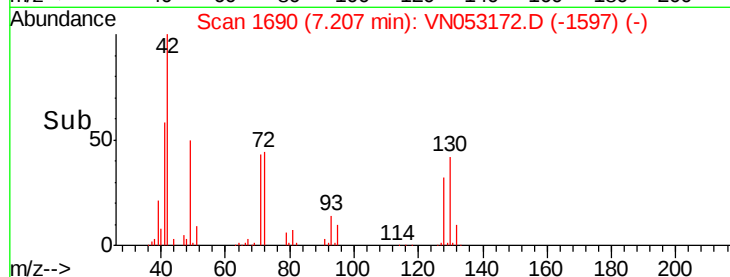
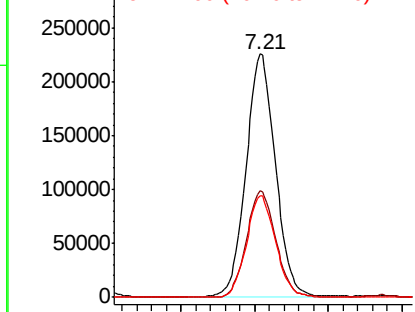
#29
Tetrahydrofuran
Concen: 257.857 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 627767
Ion Ratio Lower Upper
42 100
72 43.7 34.7 52.1
71 41.3 32.3 48.5

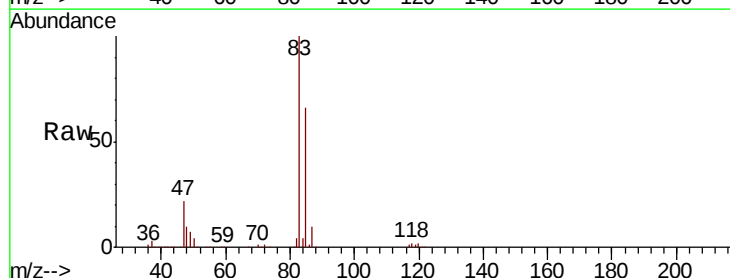


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

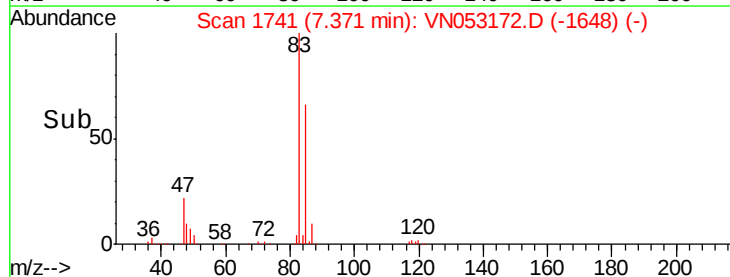
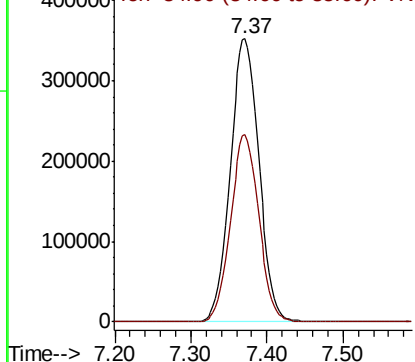


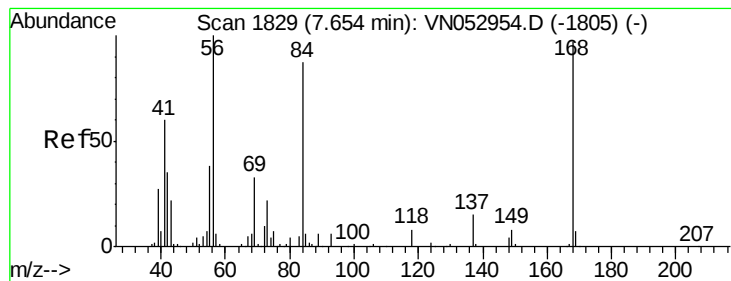
#30
Chloroform
Concen: 51.473 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 83 Resp: 924317
Ion Ratio Lower Upper
83 100
85 66.0 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: 51.724 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

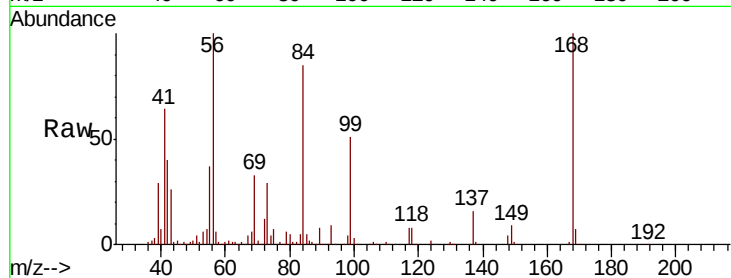
Tot Ion: 56 Resp: 886146

Ion Ratio Lower Upper

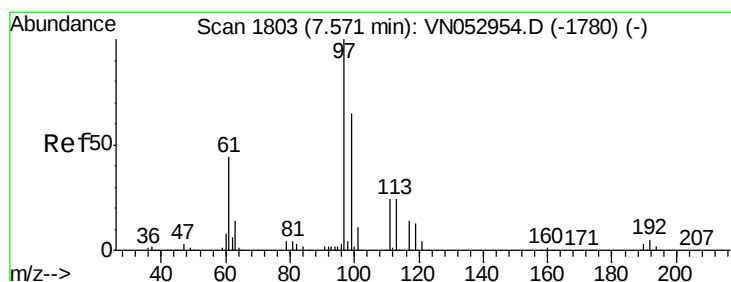
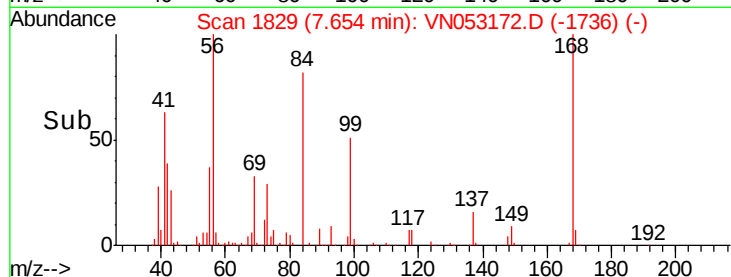
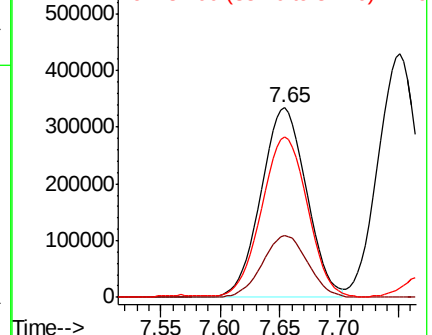
56 100

69 32.7 26.6 39.8

84 83.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 49.836 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

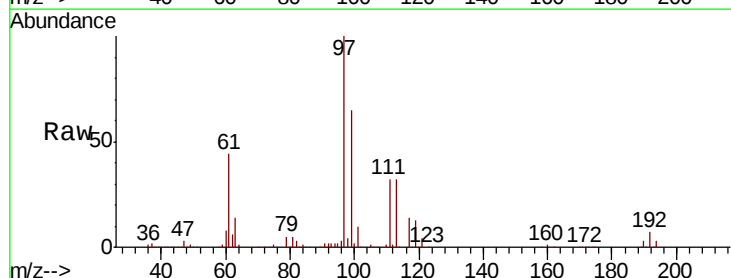
Tgt Ion: 97 Resp: 762362

Ion Ratio Lower Upper

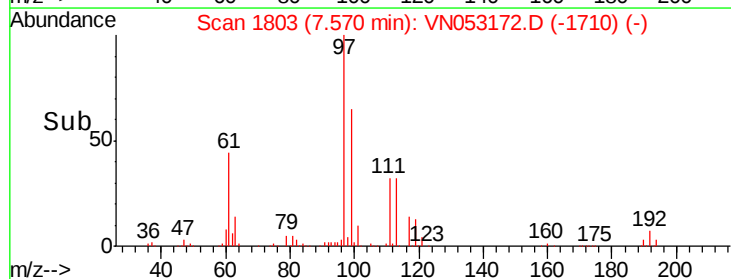
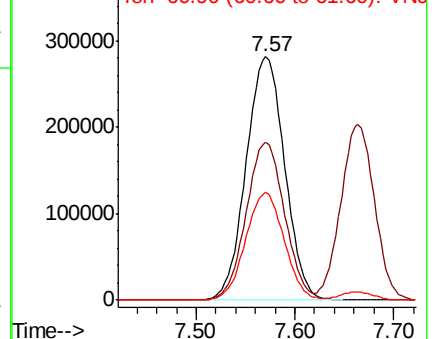
97 100

99 64.4 51.1 76.7

61 44.2 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

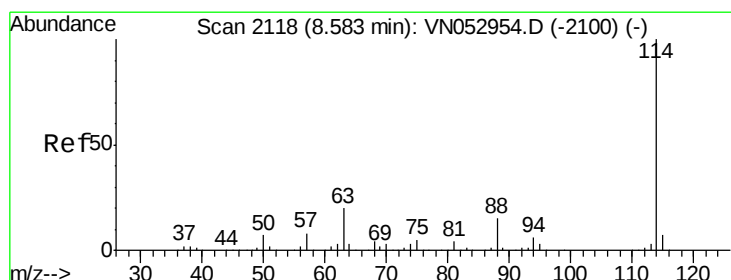
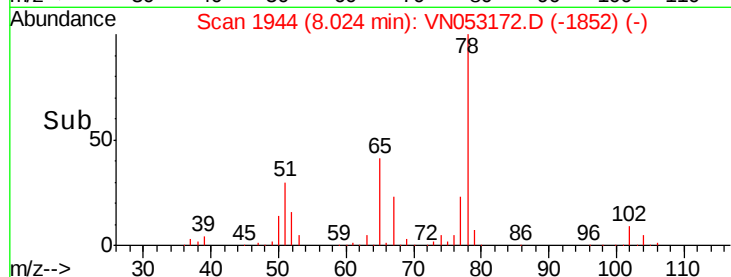
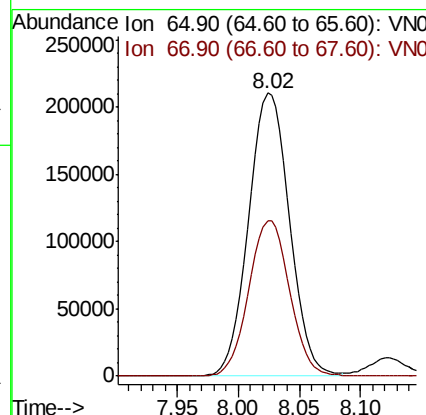
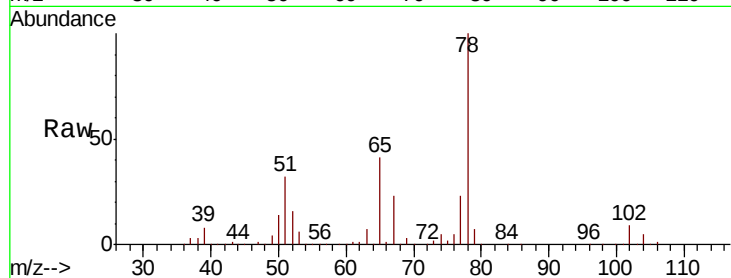




#33
 1,2-Dichloroethane-d4
 Concen: 49.836 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

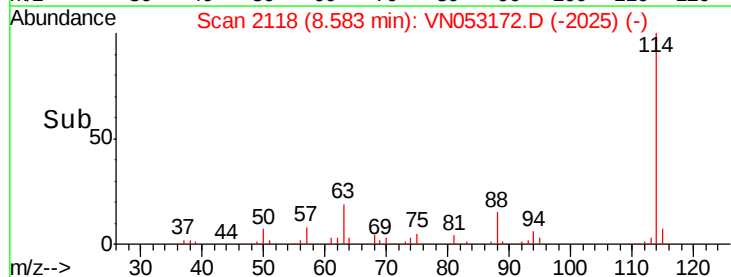
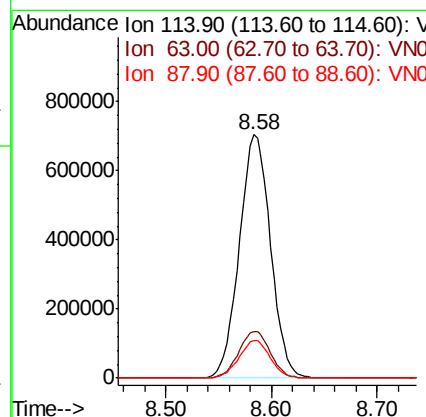
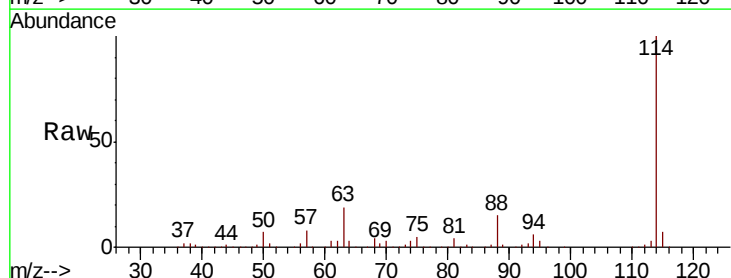
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

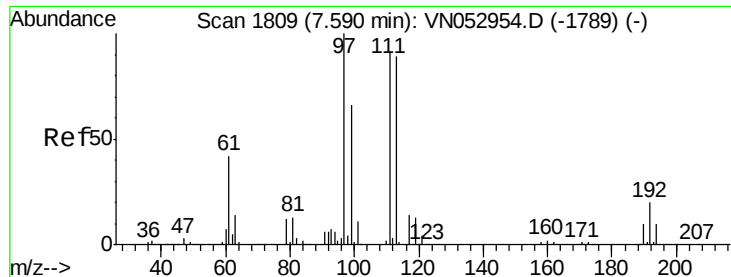
Tot Ion: 65 Resp: 490227
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion: 114 Resp: 1447940
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.8
 88 15.5 0.0 31.0

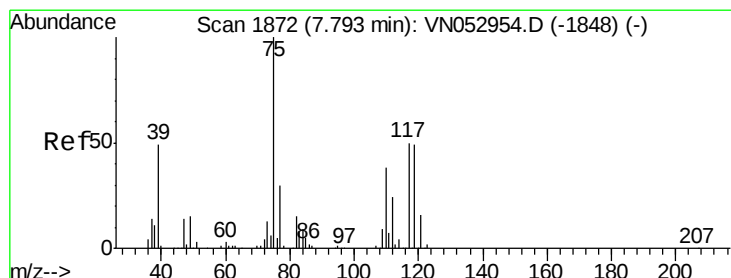
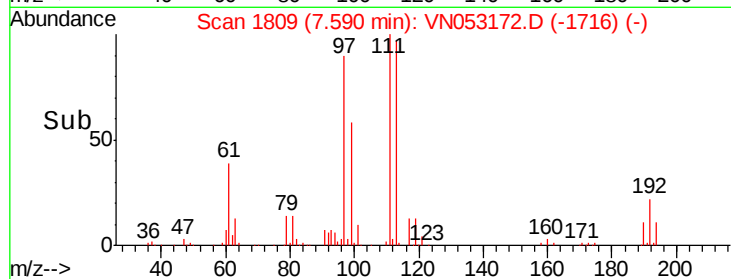
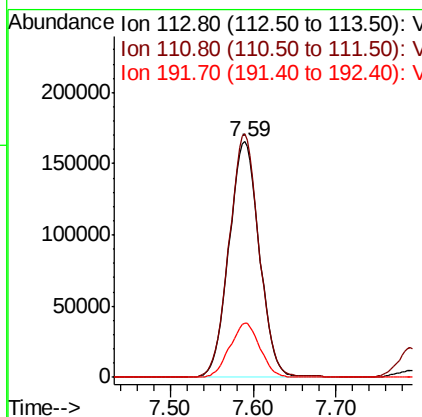
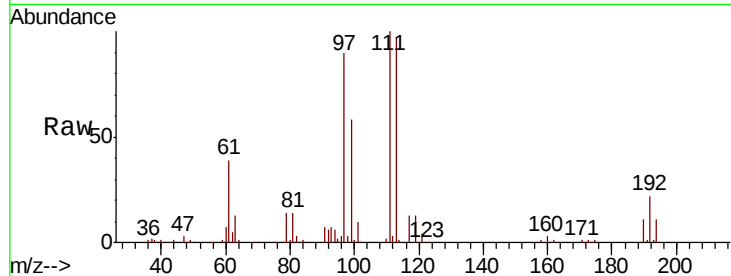




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

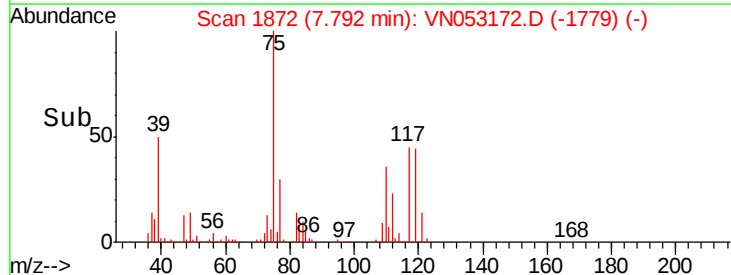
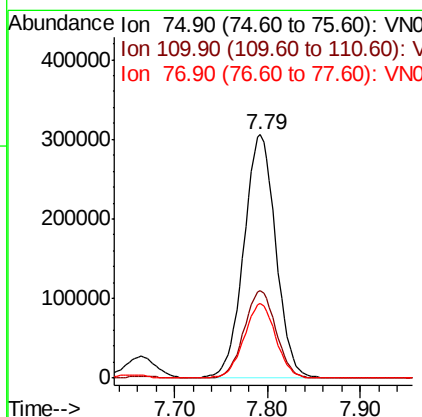
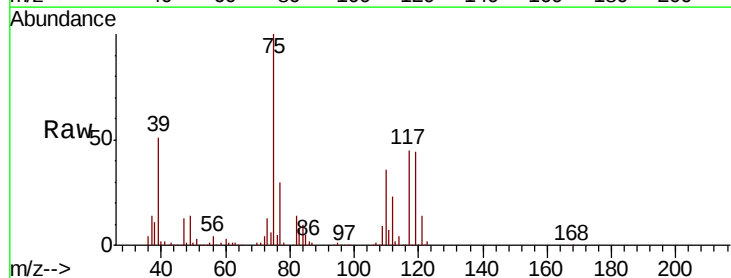
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

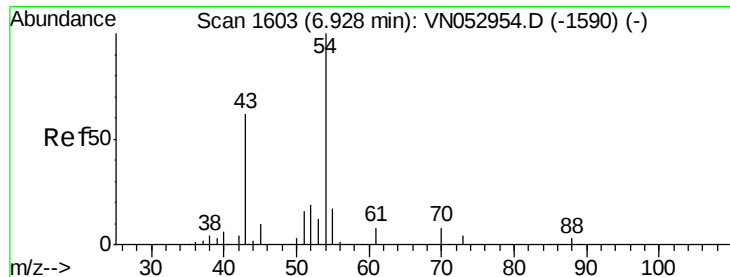
Tot Ion:113 Resp: 422882
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.0 124.4
 192 22.8 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 52.314 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion: 75 Resp: 727051
 Ion Ratio Lower Upper
 75 100
 110 36.0 18.2 54.6
 77 30.6 24.9 37.3

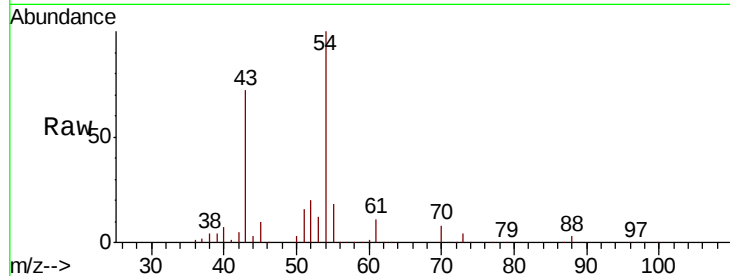




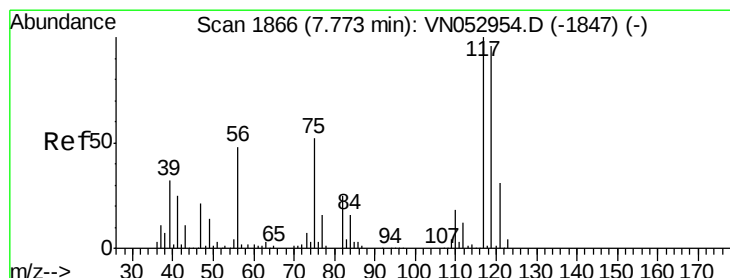
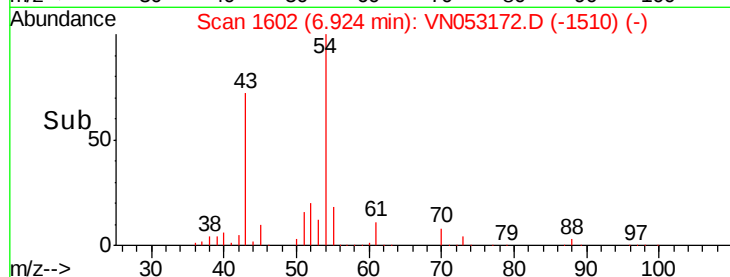
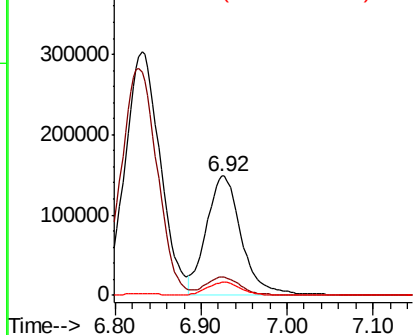
#37
Ethyl Acetate
Concen: 53.834 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 417663
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.6
70 10.2 8.4 12.6

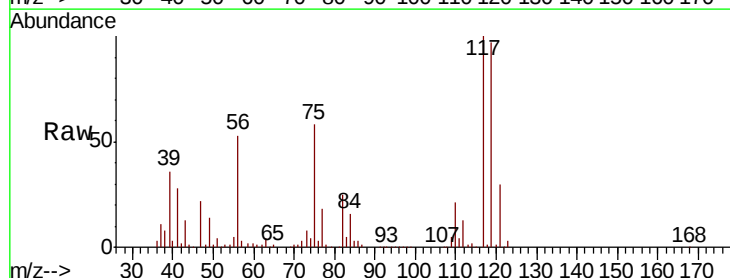


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

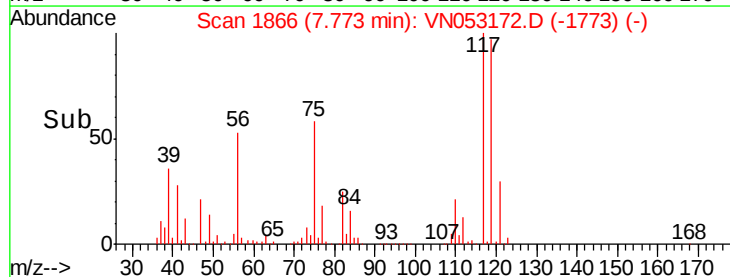
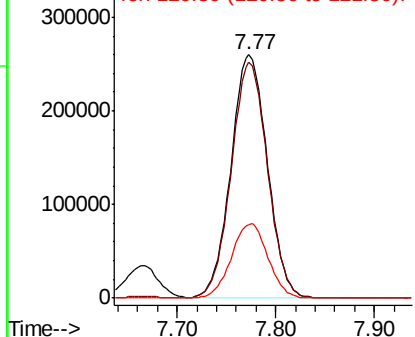


#38
Carbon Tetrachloride
Concen: 52.209 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 117 Resp: 665060
Ion Ratio Lower Upper
117 100
119 97.1 77.1 115.7
121 30.4 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

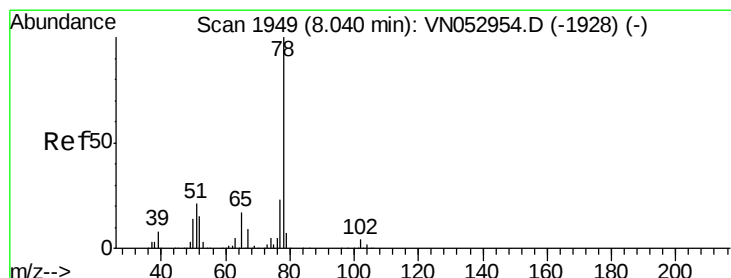
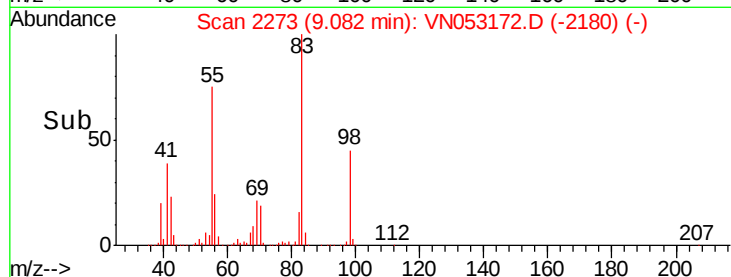
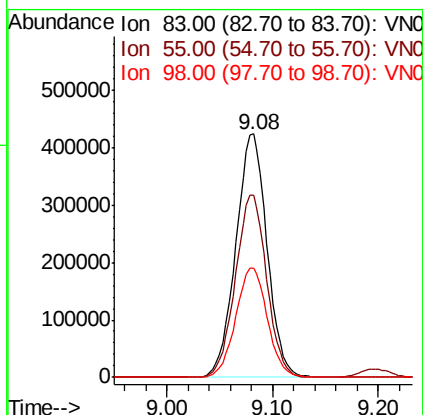
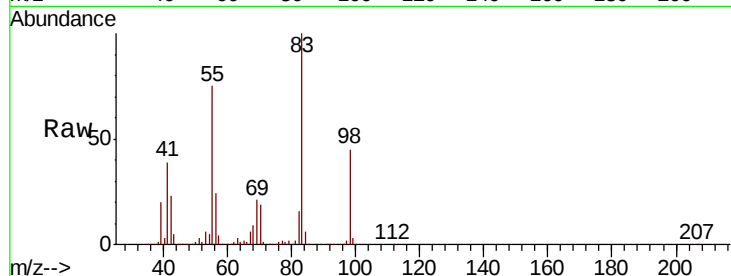




#39
Methvlcvclohexane
Concen: 51.543 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

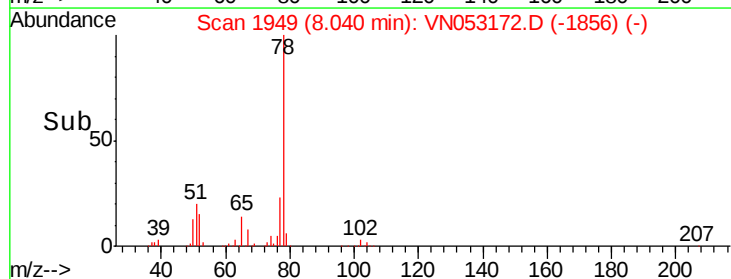
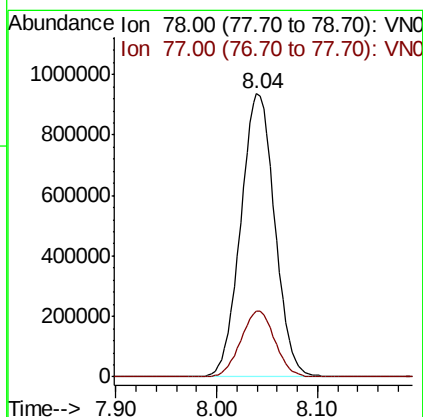
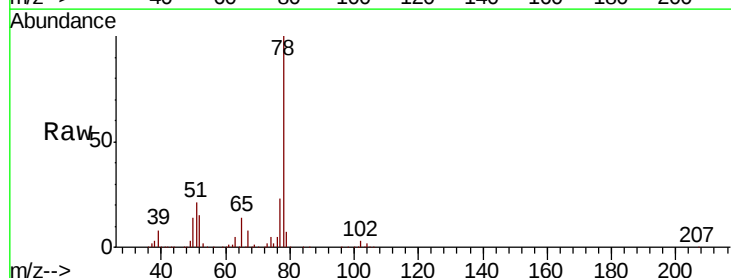
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

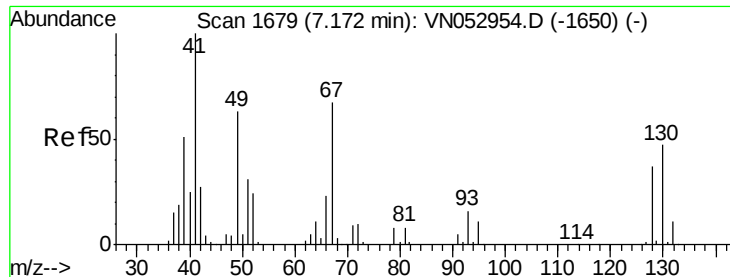
Tot Ion: 83 Resp: 870190
Ion Ratio Lower Upper
83 100
55 74.7 61.3 91.9
98 44.8 37.0 55.4



#40
Benzene
Concen: 52.848 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 78 Resp: 2184681
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7

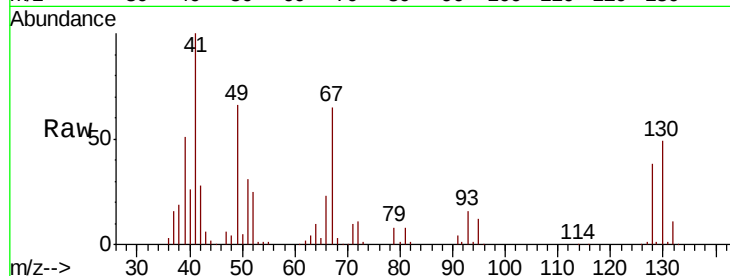




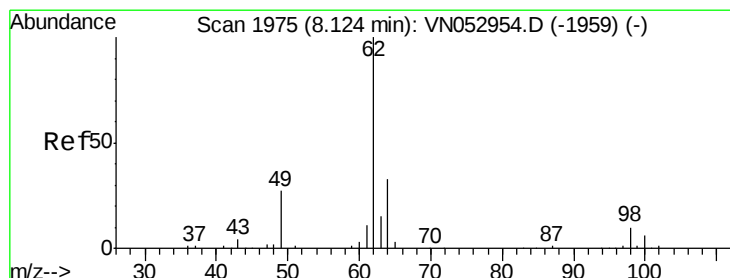
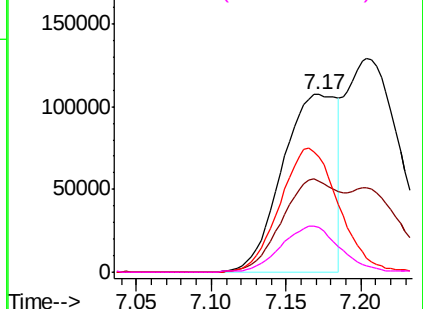
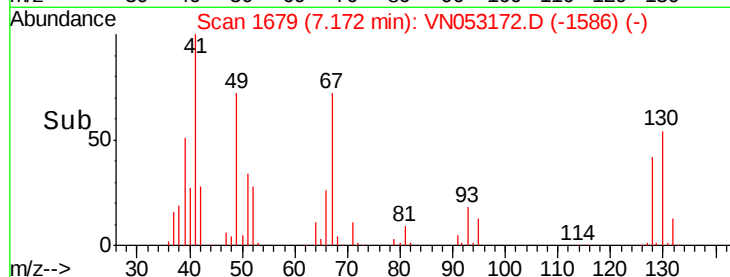
#41
Methacrylonitrile
Concen: 60.644 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 271850
Ion Ratio Lower Upper
41 100
39 57.4 48.0 72.0
67 75.1 70.3 105.5
52 27.7 26.9 40.3

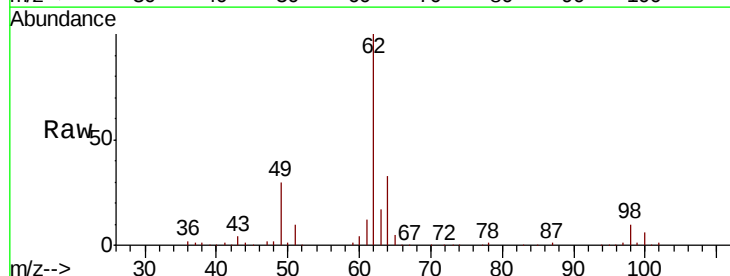


Abundance Ion 41.00 (40.70 to 41.70): VNC
200000 Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

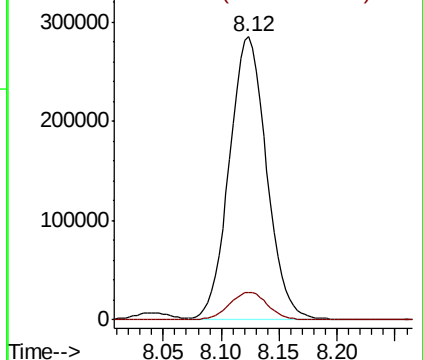
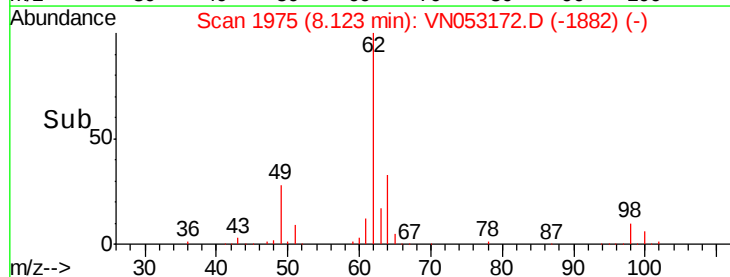


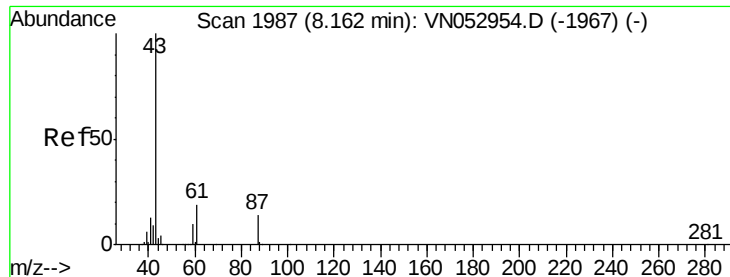
#42
1,2-Dichloroethane
Concen: 52.010 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 62 Resp: 635153
Ion Ratio Lower Upper
62 100
98 10.0 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: 50.450 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

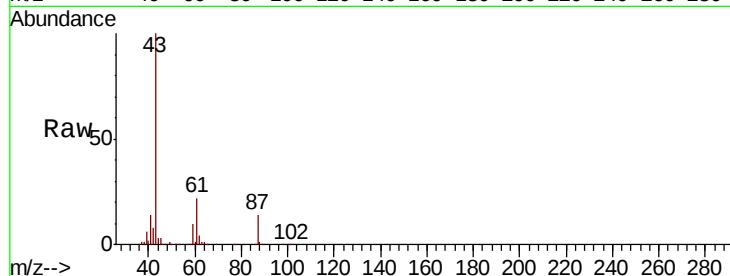
Tot Ion: 43 Resp: 757310

Ion Ratio Lower Upper

43 100

61 30.6 22.9 34.3

87 14.0 10.6 15.8

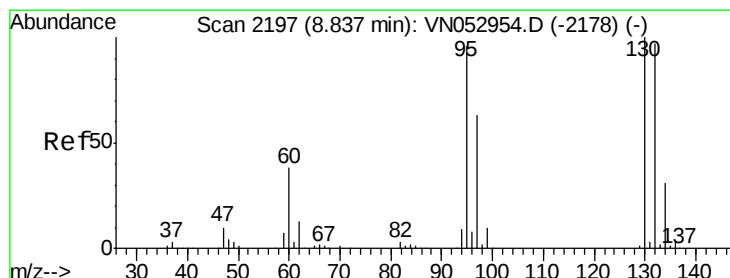
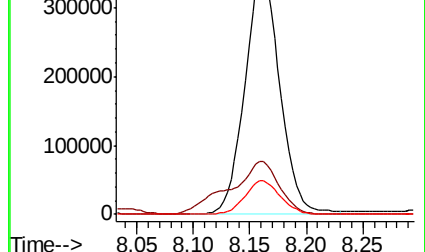
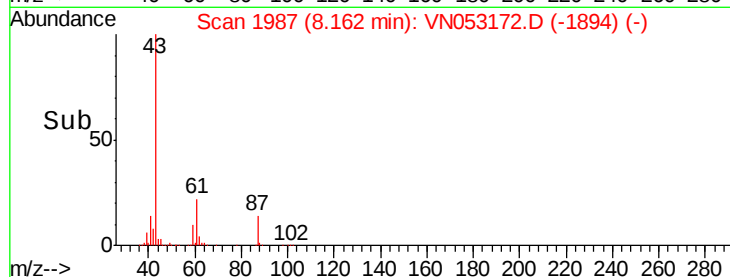


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 49.944 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053172.D

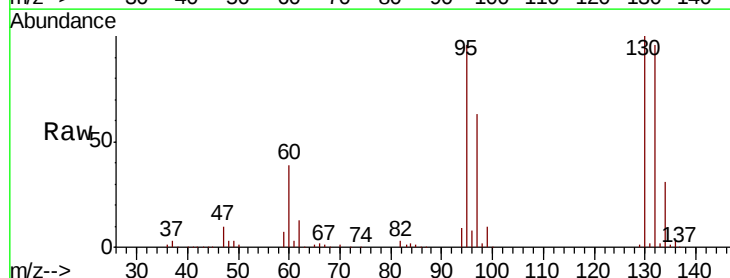
Acq: 24 Dec 2018 9:19

Tgt Ion:130 Resp: 597168

Ion Ratio Lower Upper

130 100

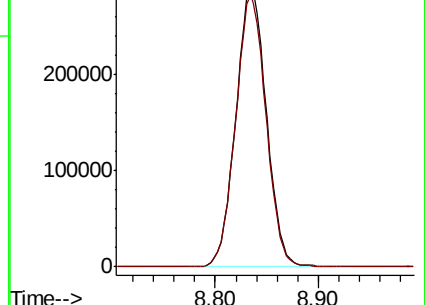
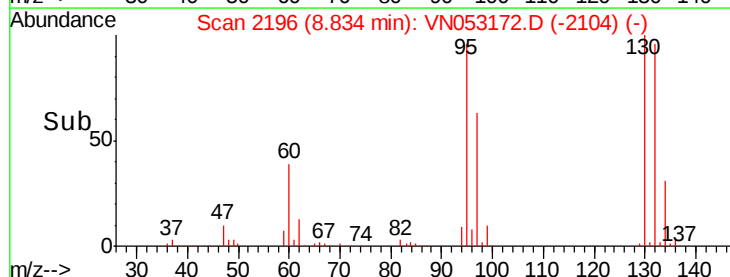
95 96.3 0.0 197.8

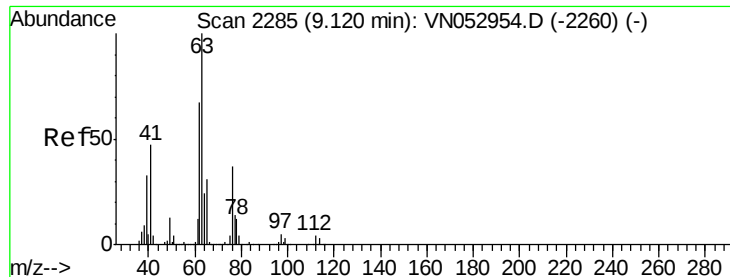


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 54.120 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

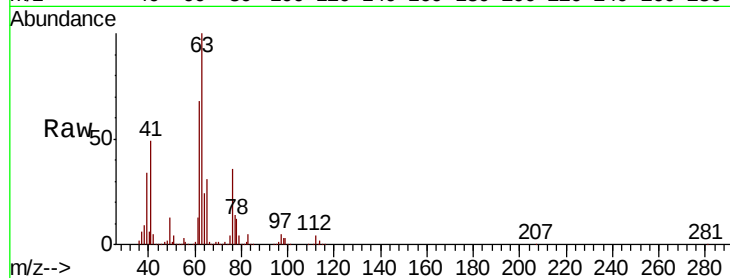
VSTDCCC050

Tot Ion: 63 Resp: 582733

Ion Ratio Lower Upper

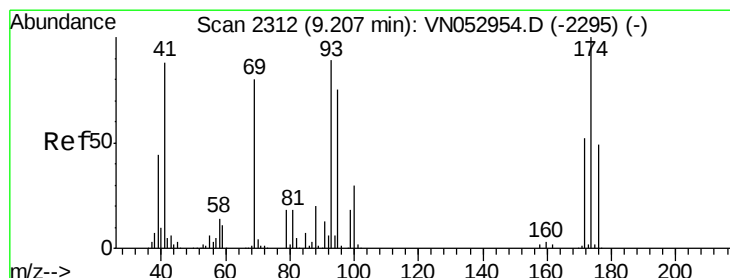
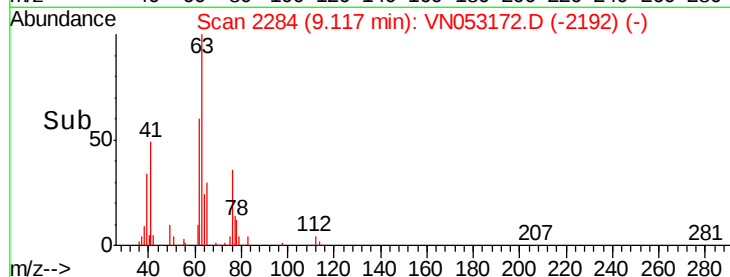
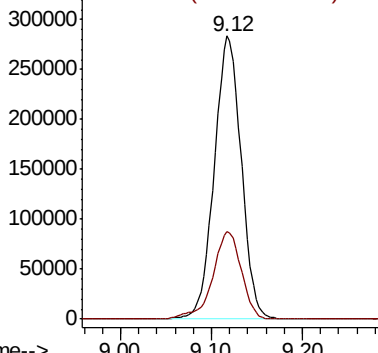
63 100

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: 51.922 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

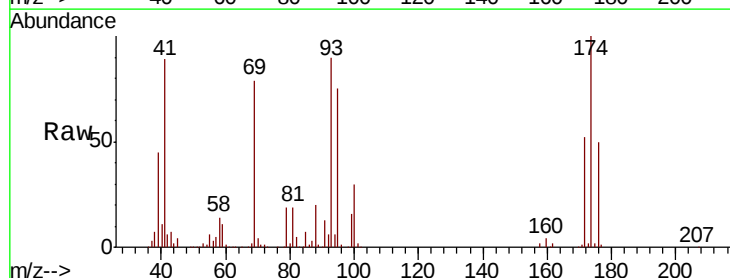
Tgt Ion: 93 Resp: 325680

Ion Ratio Lower Upper

93 100

95 84.2 67.8 101.6

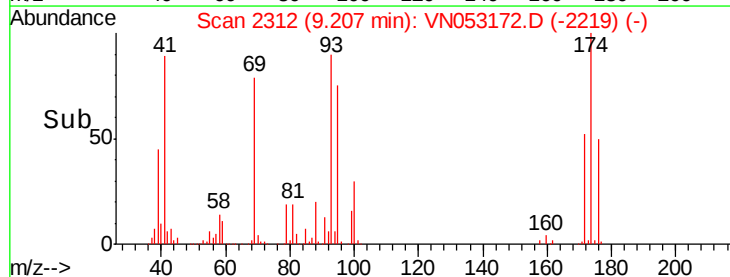
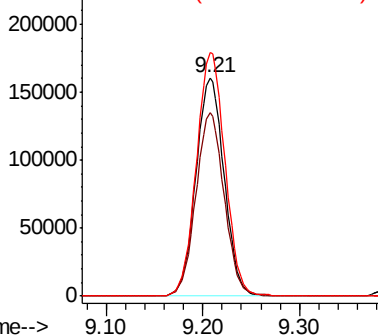
174 112.7 89.0 133.4



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: 53.229 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

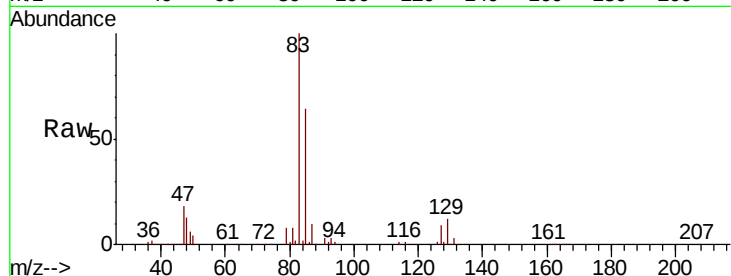
Tot Ion: 83 Resp: 709714

Ion Ratio Lower Upper

83 100

85 64.1 51.6 77.4

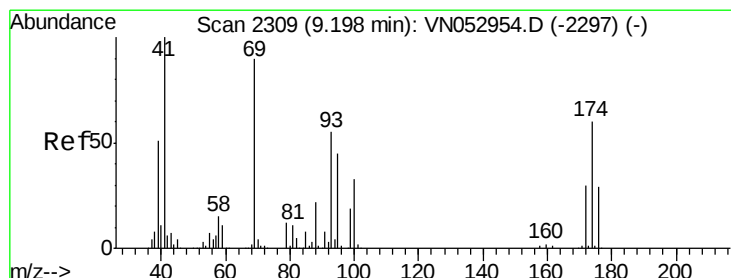
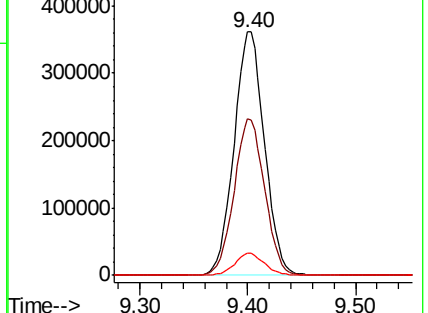
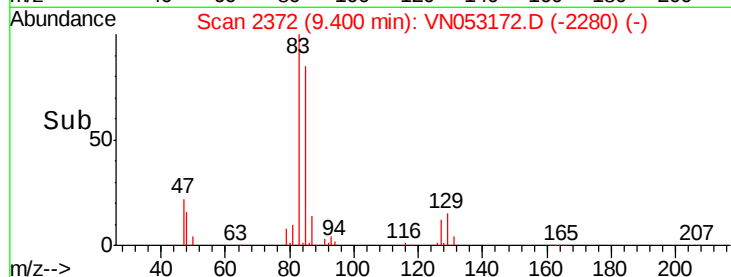
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053172.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053172.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053172.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.277 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

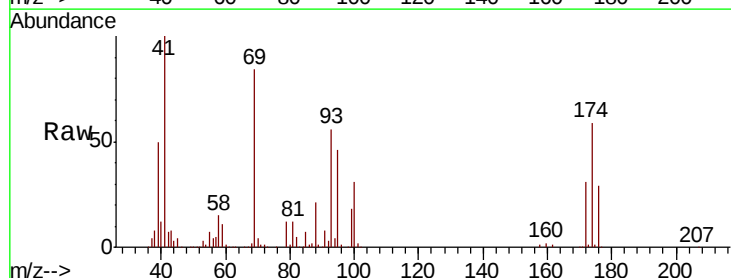
Tgt Ion: 41 Resp: 393565

Ion Ratio Lower Upper

41 100

69 90.2 72.2 108.2

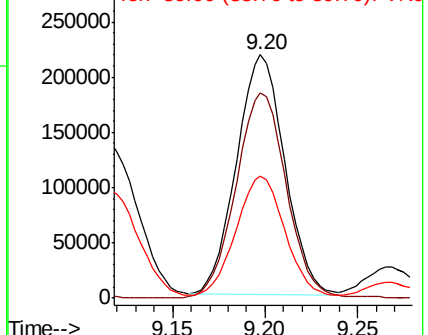
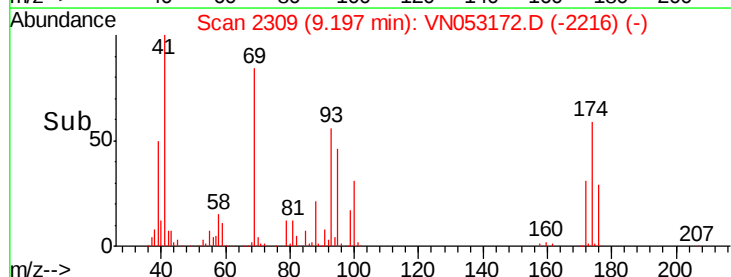
39 52.2 41.9 62.9

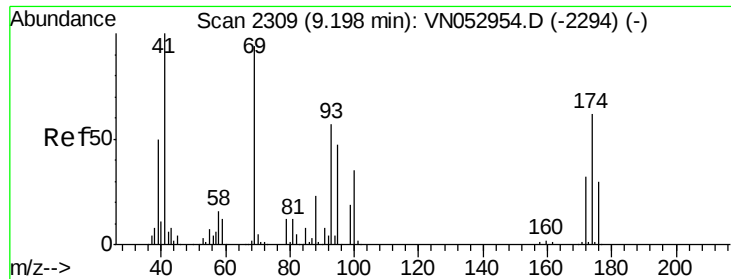


Abundance Ion 41.00 (40.70 to 41.70): VN053172.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053172.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053172.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1010.423 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

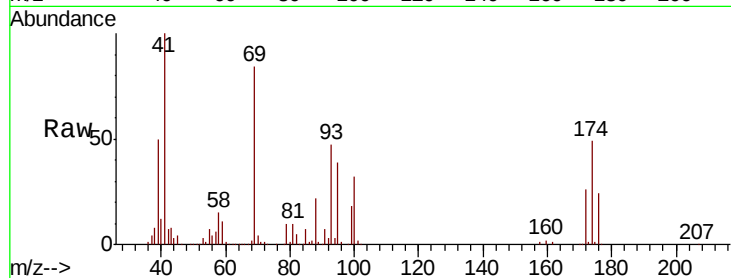
Tot Ion: 88 Resp: 96225

Ion Ratio Lower Upper

88 100

43 32.8 26.6 40.0

58 70.8 58.4 87.6

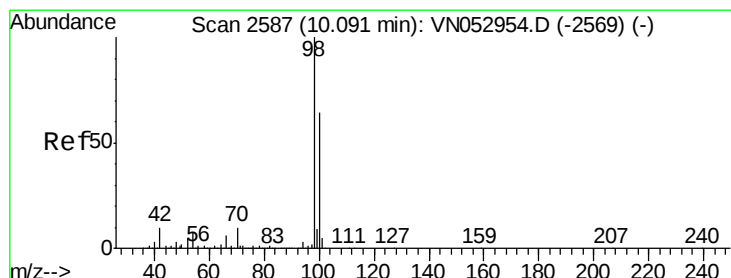
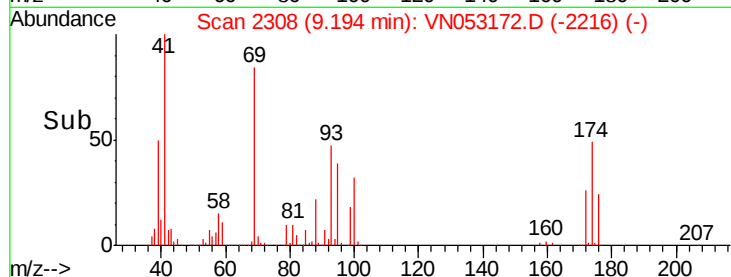
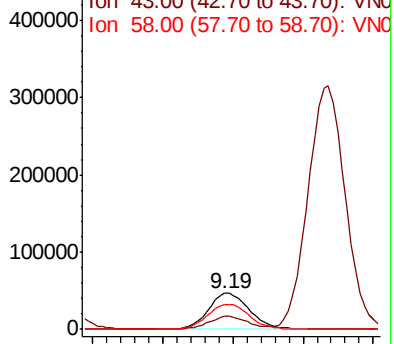


Abundance

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: 1010.423 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053172.D

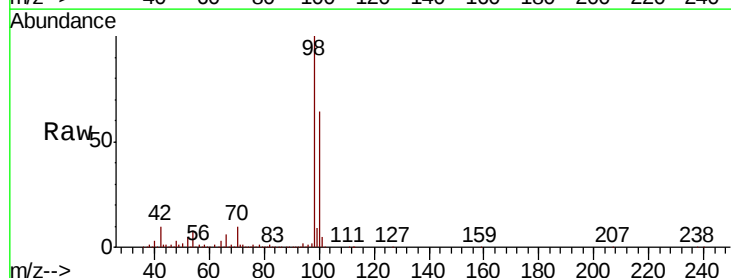
Acq: 24 Dec 2018 9:19

Tgt Ion: 98 Resp: 1831524

Ion Ratio Lower Upper

98 100

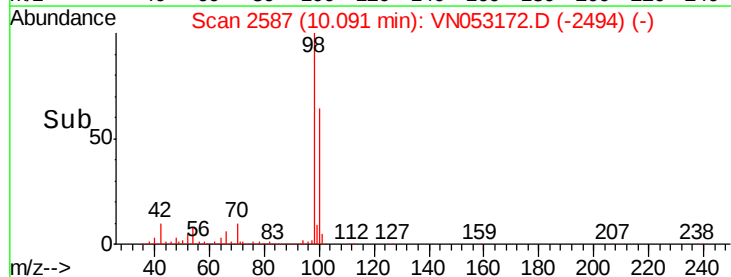
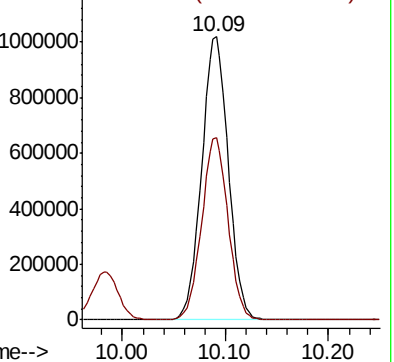
100 63.8 51.6 77.4

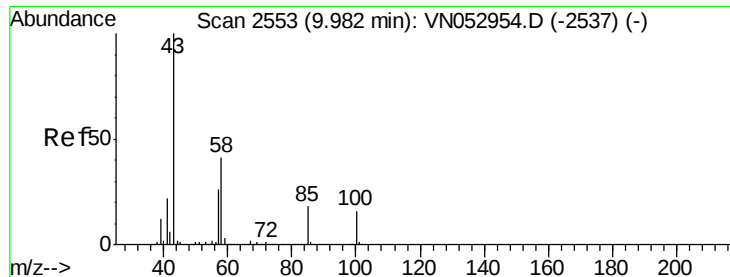


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 273.730 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

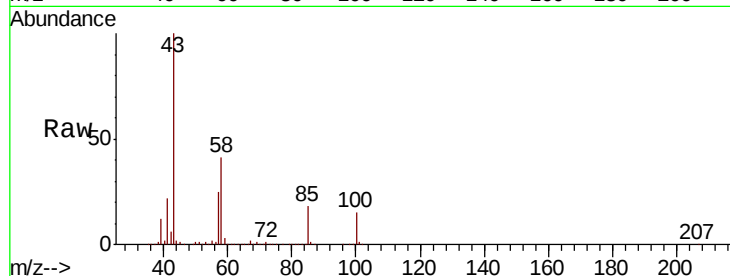
VSTDCCC050

Tot Ion: 43 Resp: 2056638

Ion Ratio Lower Upper

43 100

58 40.8 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2537) (-)

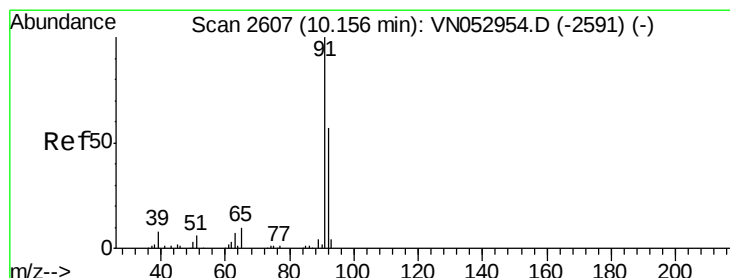
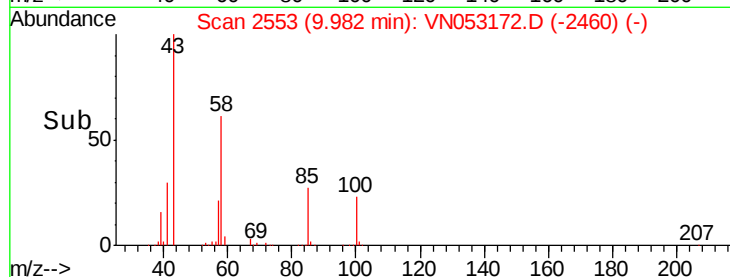
9.98

1000000

500000

0

Time-->



#52

Toluene

Concen: 53.715 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053172.D

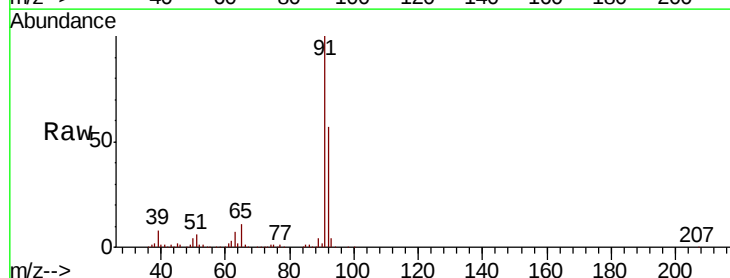
Acq: 24 Dec 2018 9:19

Tgt Ion: 92 Resp: 1376329

Ion Ratio Lower Upper

92 100

91 174.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052954.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-2591) (-)

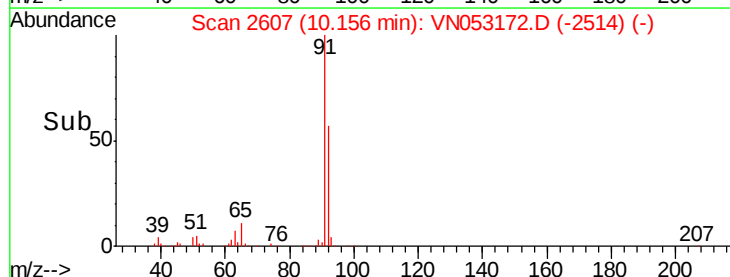
1500000

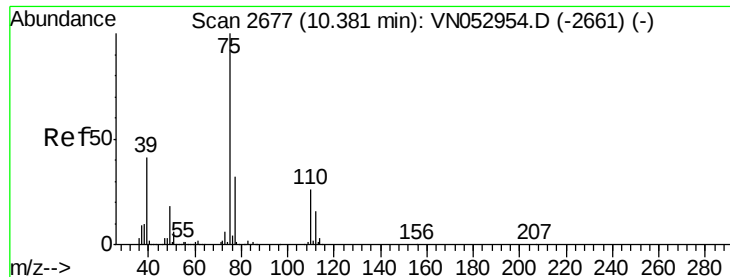
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.166 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

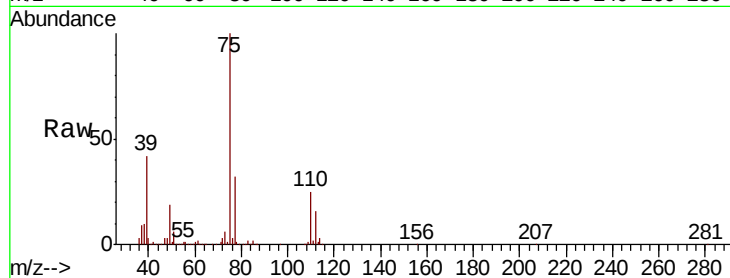
VSTDCCC050

Tot Ion: 75 Resp: 731393

Ion Ratio Lower Upper

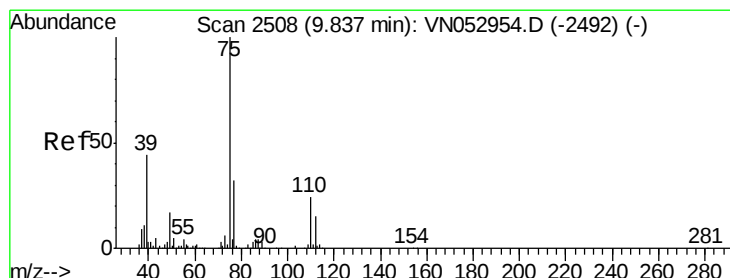
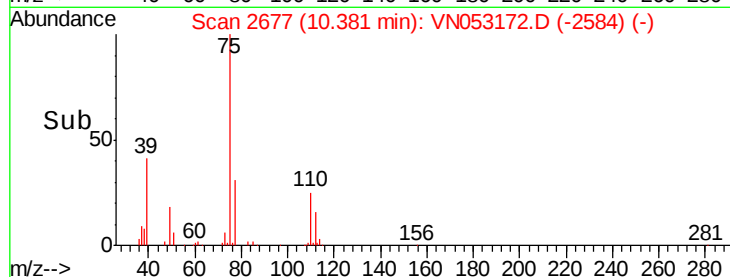
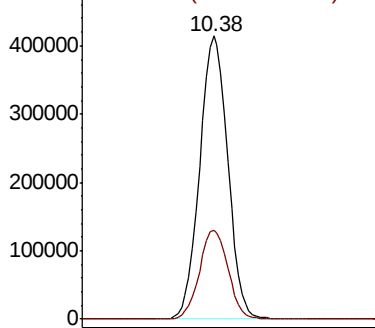
75 100

77 31.4 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.368 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

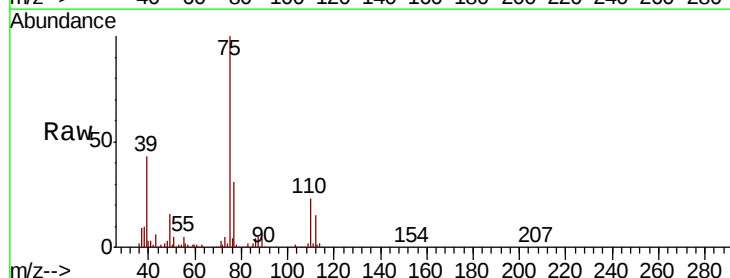
Tgt Ion: 75 Resp: 858857

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

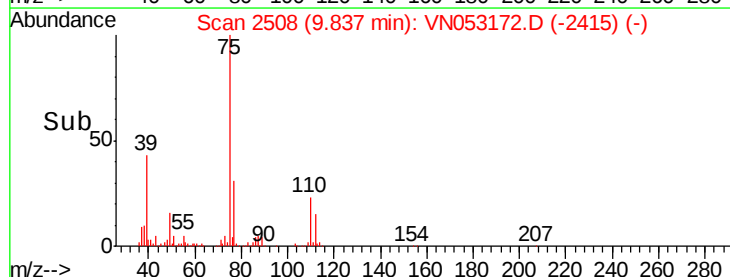
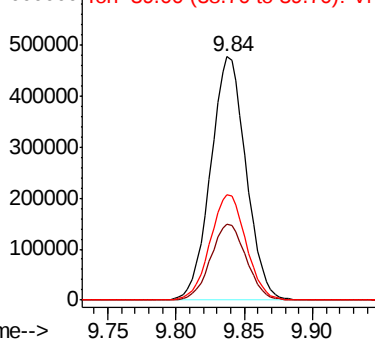
39 43.4 34.8 52.2

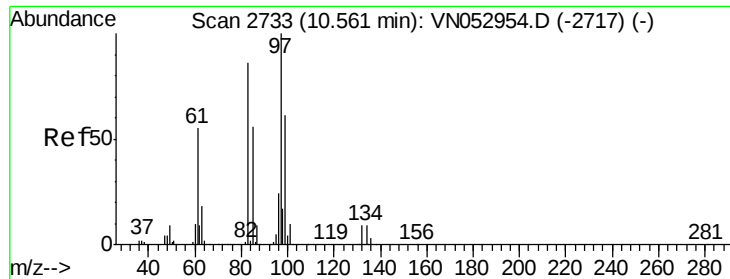


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.341 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 476813

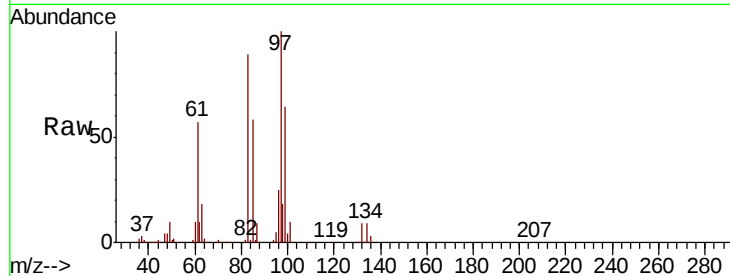
Ion Ratio Lower Upper

97 100

83 88.6 70.9 106.3

85 57.5 45.4 68.2

99 64.2 50.4 75.6

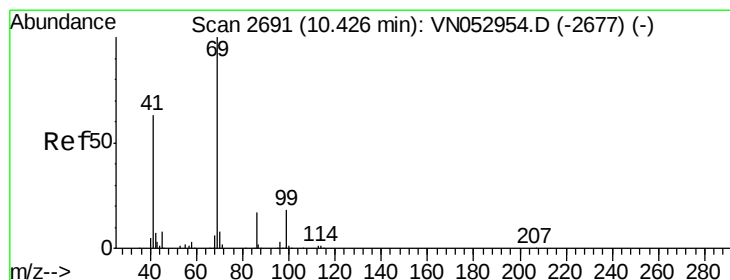
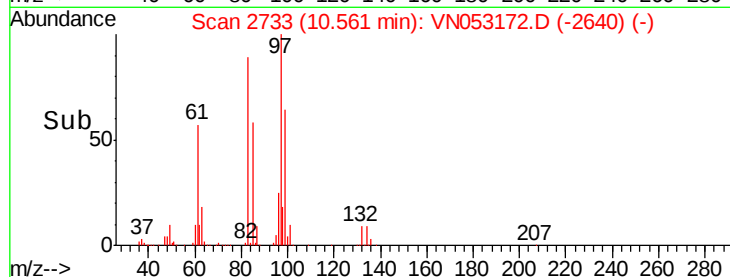
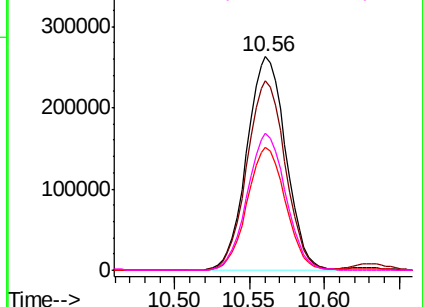


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.911 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

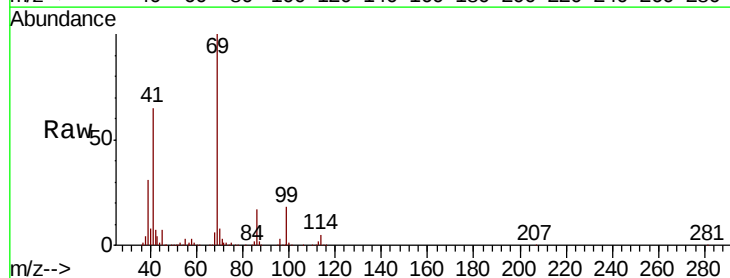
Tgt Ion: 69 Resp: 626018

Ion Ratio Lower Upper

69 100

41 63.8 51.7 77.5

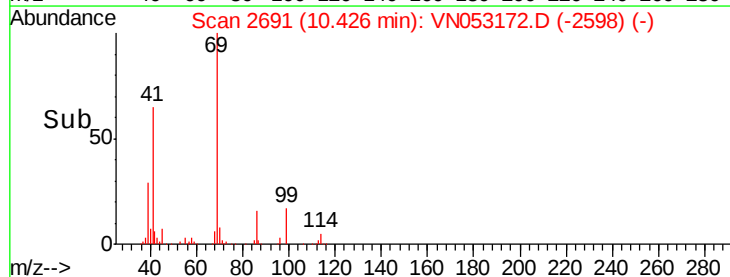
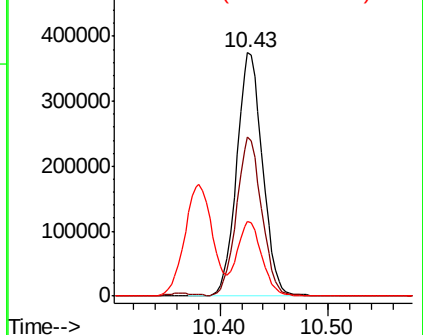
39 29.5 24.6 37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 53.799 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

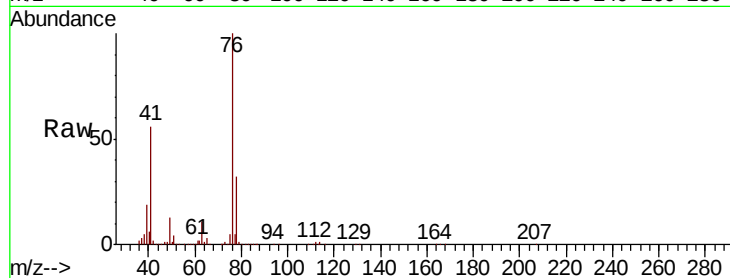
VSTDCCC050

Tot Ion: 76 Resp: 824667

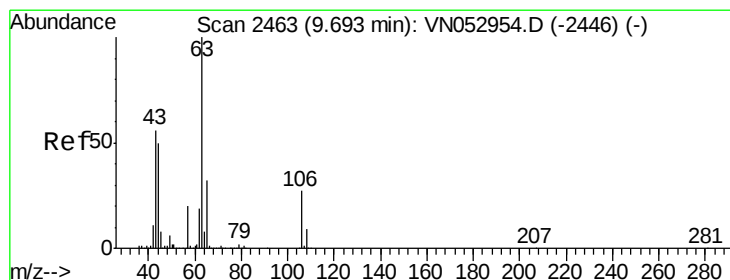
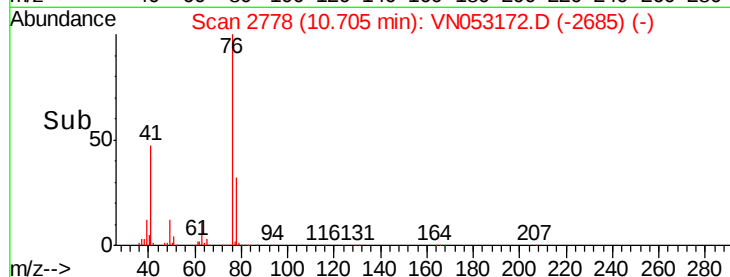
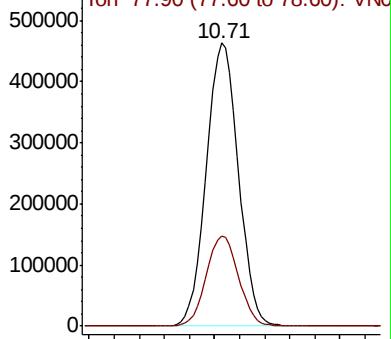
Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN053172.D (-2685) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 246.790 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053172.D

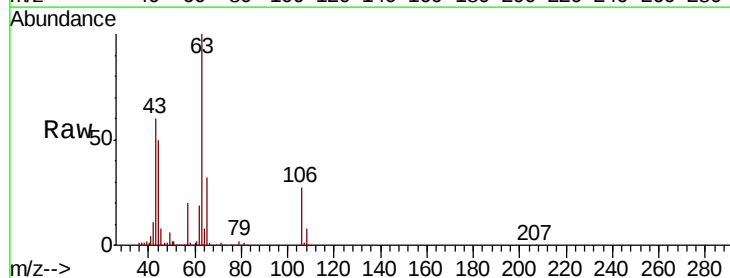
Acq: 24 Dec 2018 9:19

Tgt Ion: 63 Resp: 1603021

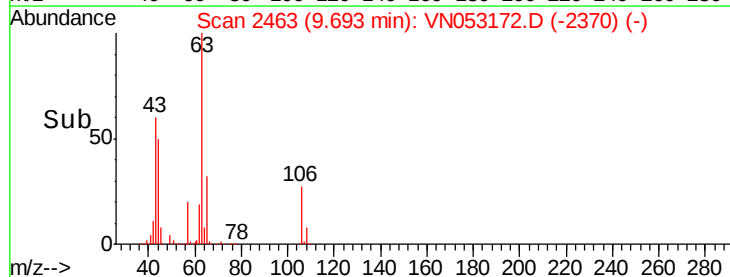
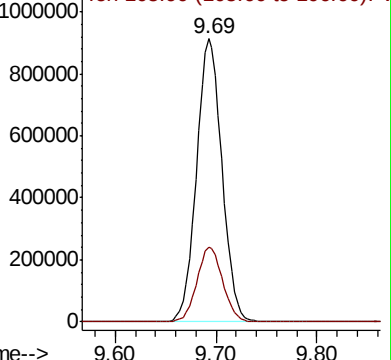
Ion Ratio Lower Upper

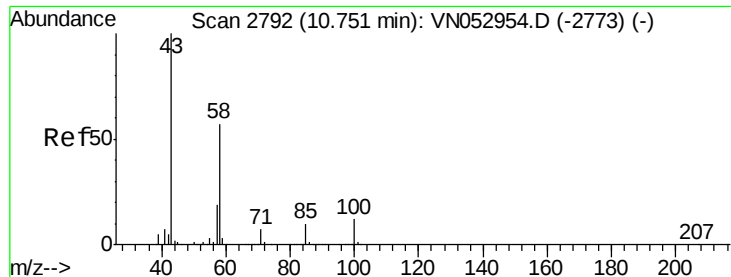
63 100

106 26.6 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN053172.D (-2370) (-)

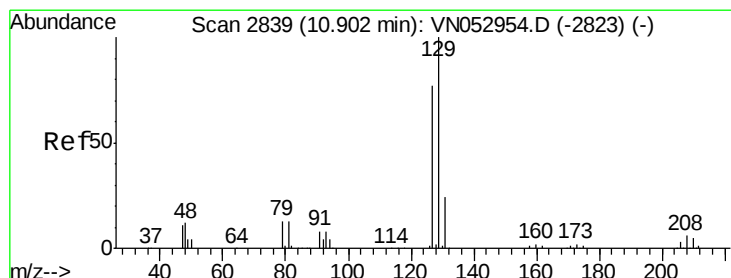
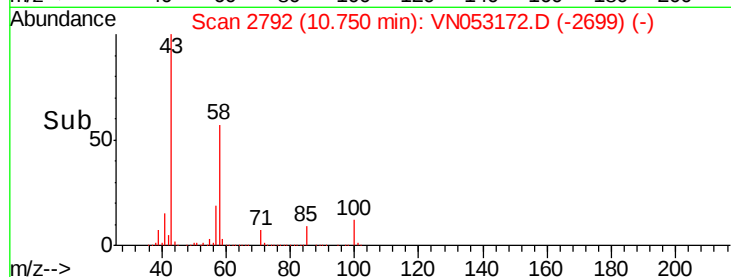
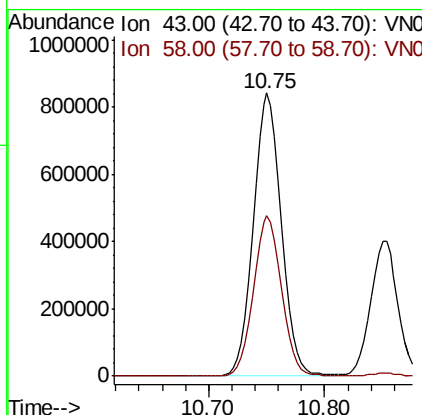
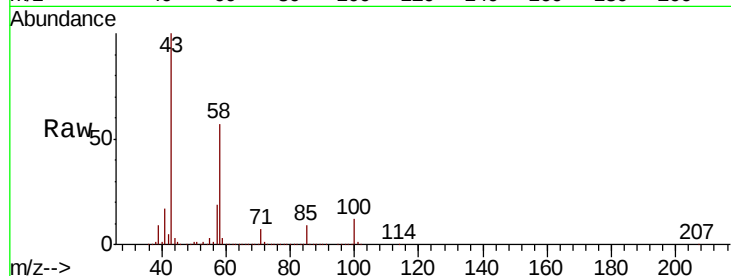




#59
2-Hexanone
Concen: 278.705 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

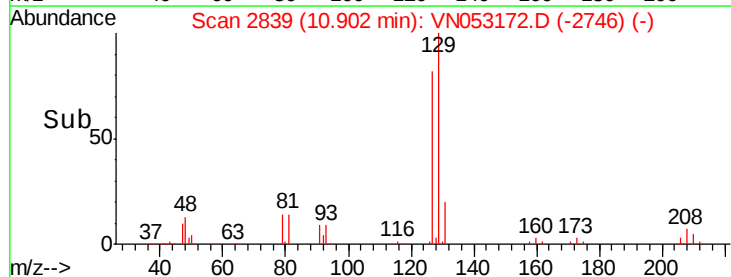
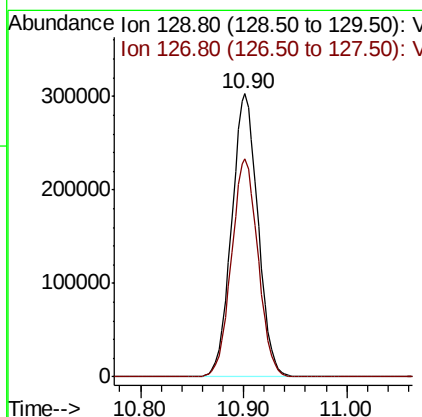
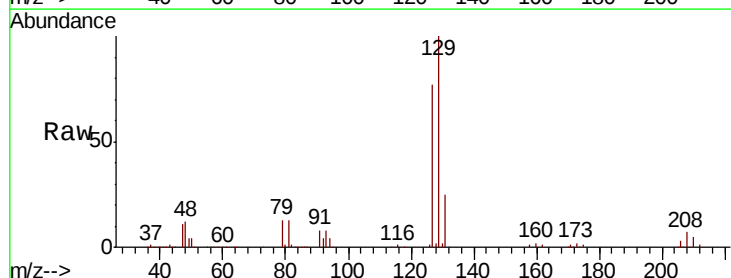
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

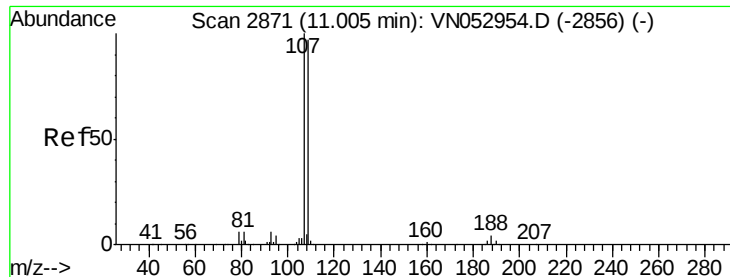
Tot Ion: 43 Resp: 1416778
Ion Ratio Lower Upper
43 100
58 56.8 28.1 84.3



#60
Dibromochloromethane
Concen: 52.484 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 129 Resp: 537028
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0

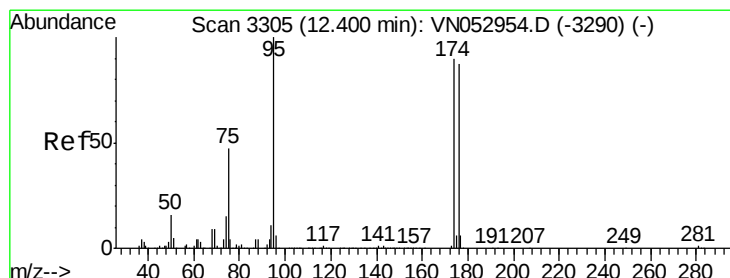
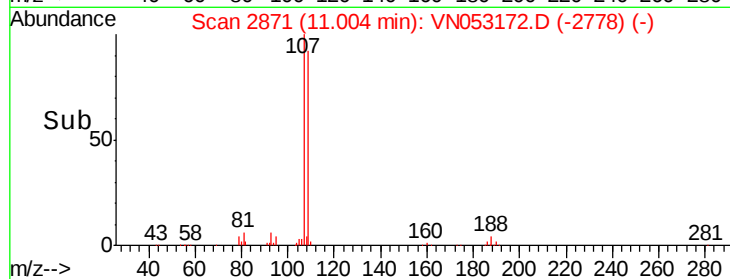
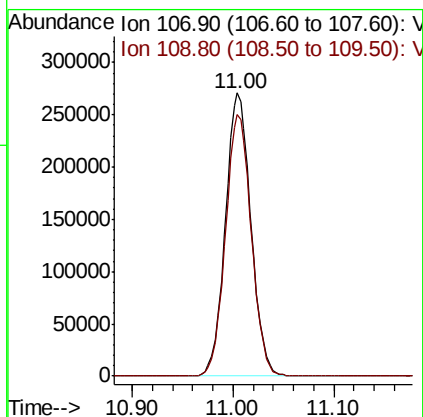
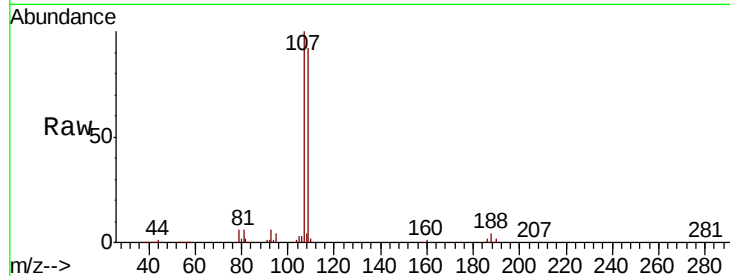




#61
 1,2-Dibromoethane
 Concen: 52.638 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

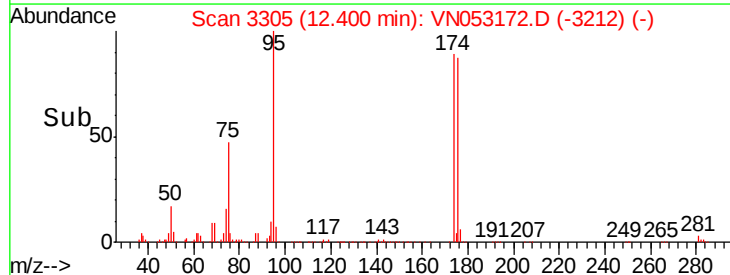
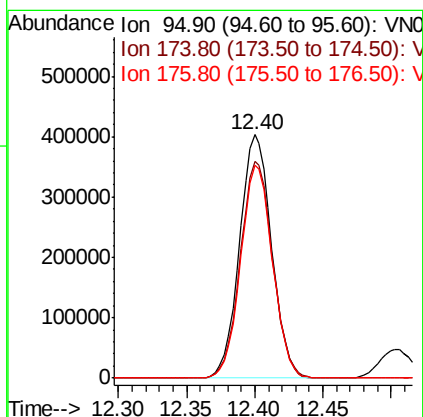
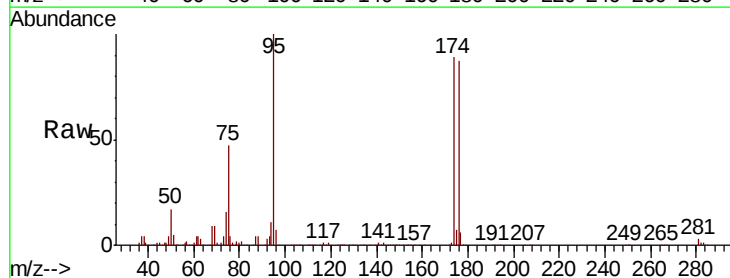
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

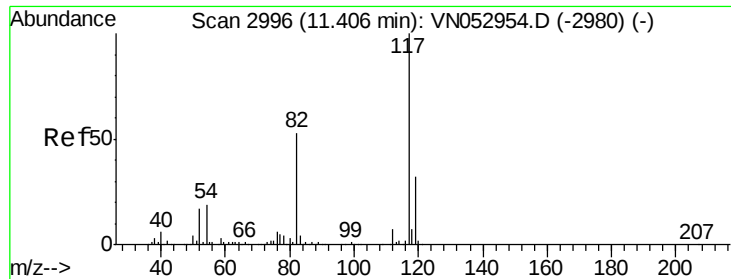
Tot Ion:107 Resp: 477876
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 52.638 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion: 95 Resp: 655613
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.8
 176 87.3 0.0 173.8

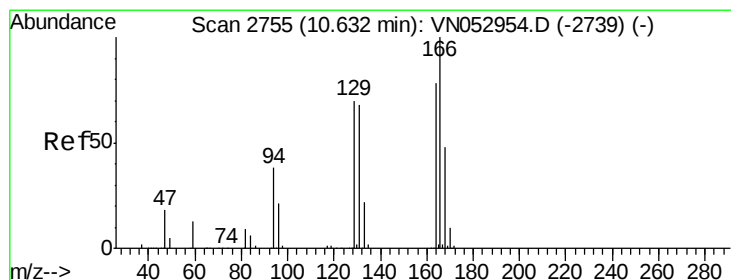
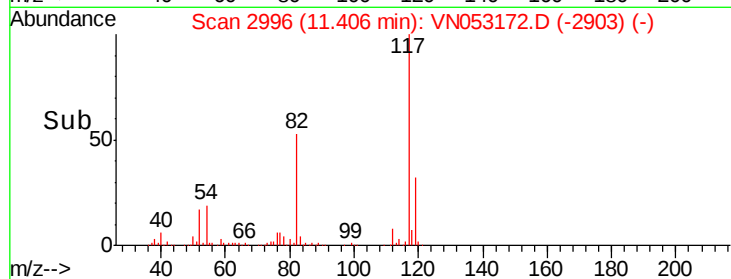
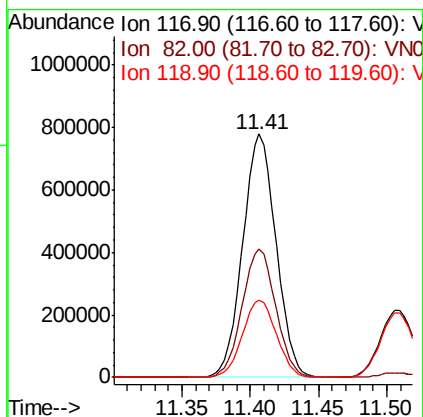
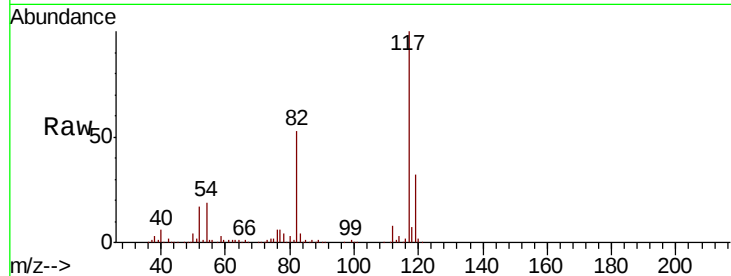




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

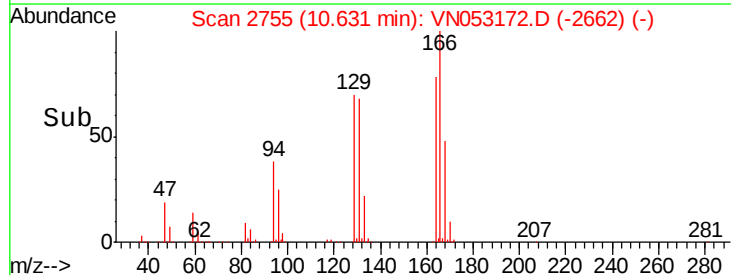
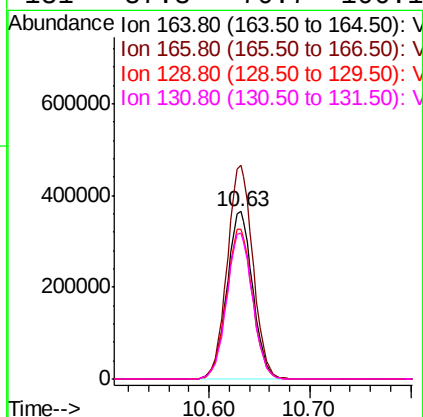
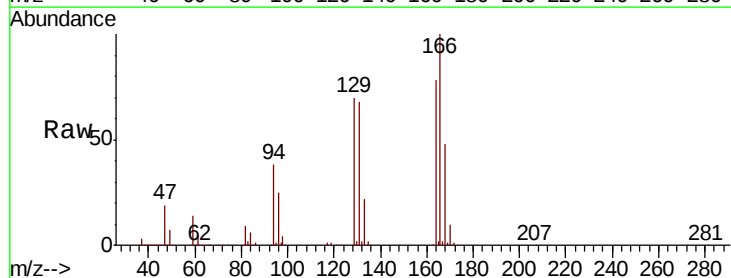
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

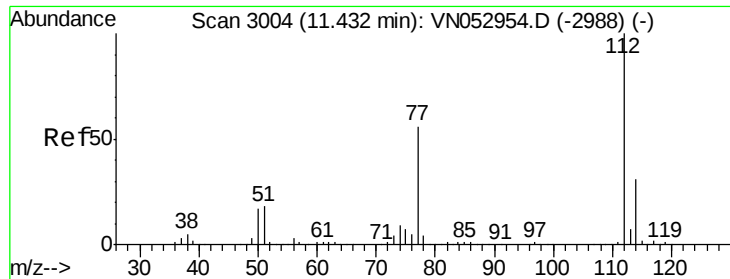
Tot Ion:117 Resp: 1322272
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 45.270 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion:164 Resp: 648403
Ion Ratio Lower Upper
164 100
166 127.5 102.9 154.3
129 89.8 73.7 110.5
131 87.3 70.7 106.1

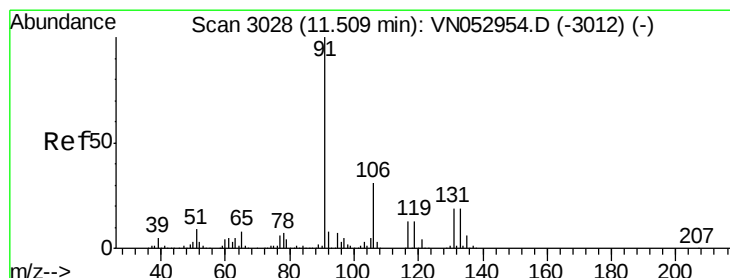
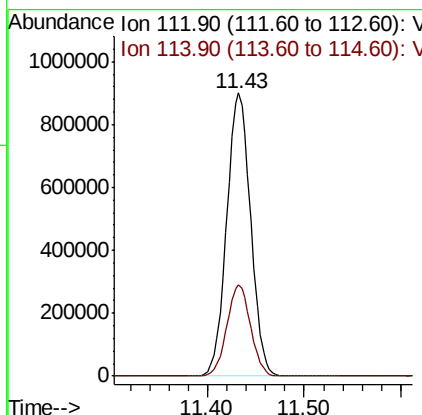
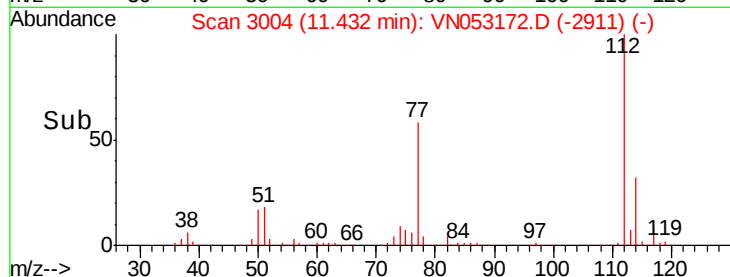
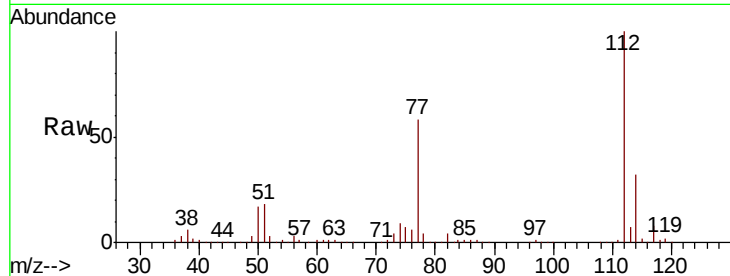




#65
Chlorobenzene
Concen: 52.658 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

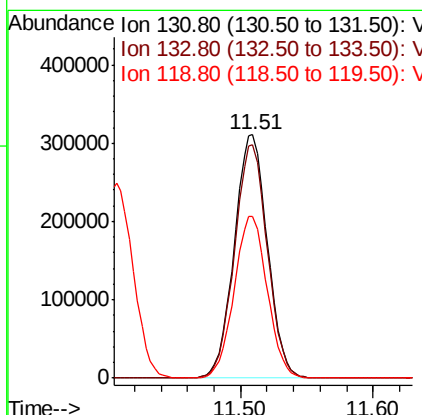
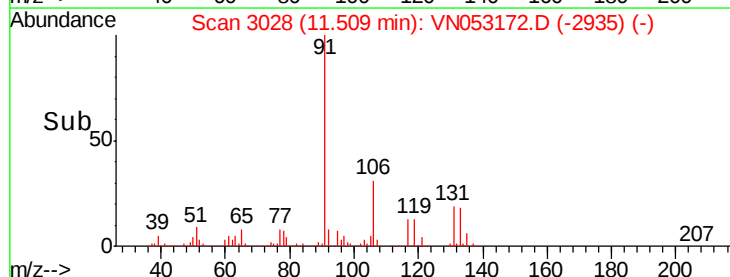
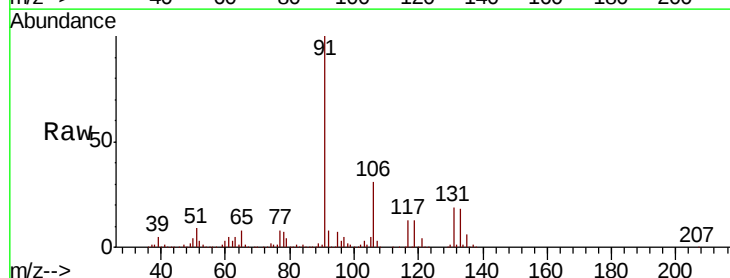
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

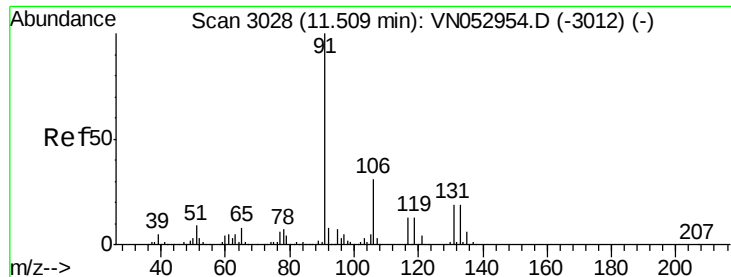
Tot Ion:112 Resp: 1543465
Ion Ratio Lower Upper
112 100
114 32.1 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.720 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion:131 Resp: 537364
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.6 33.3 99.8

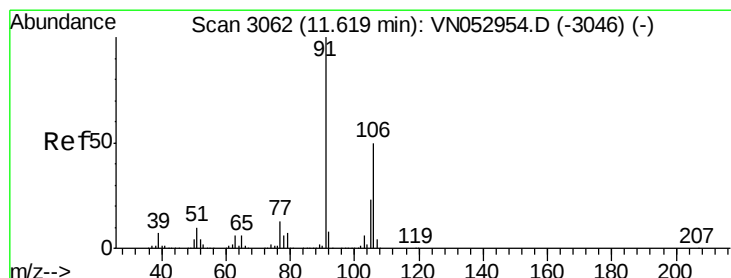
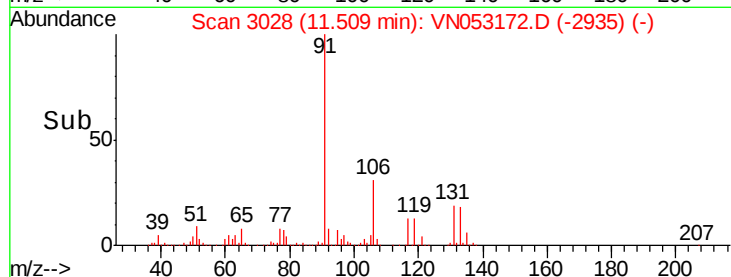
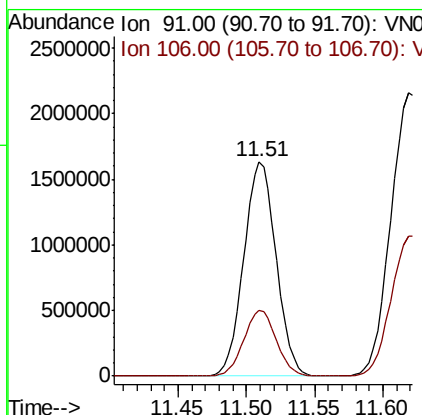
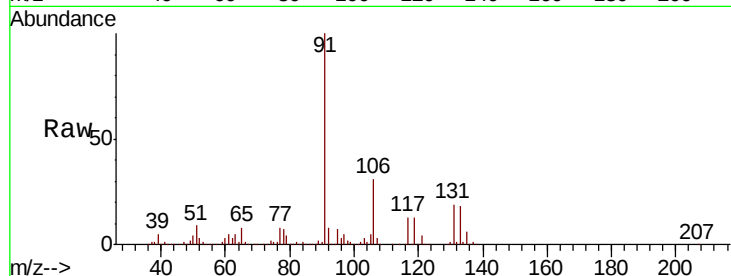




#67
Ethyl Benzene
Concen: 53.320 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

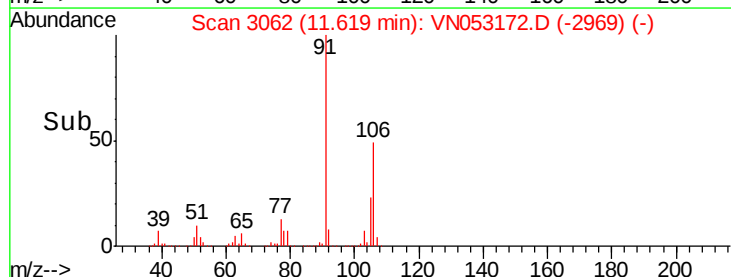
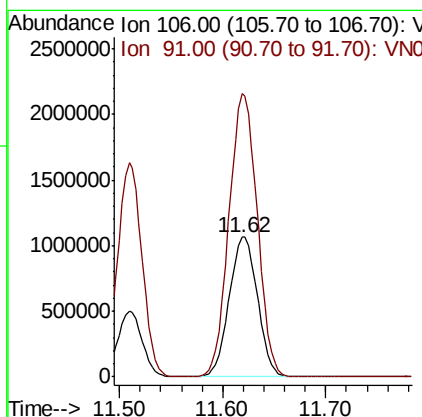
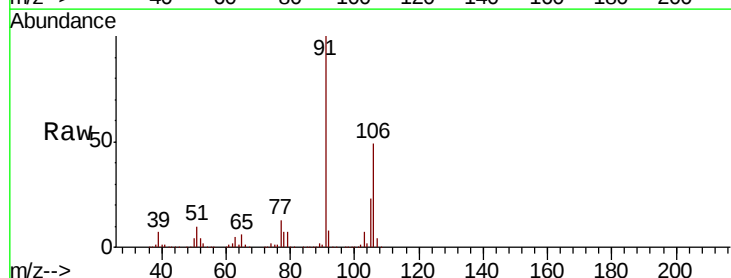
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

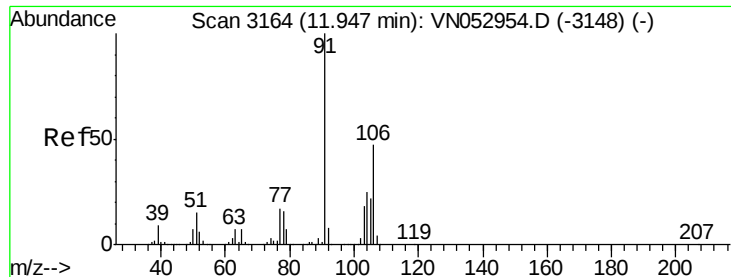
Tot Ion: 91 Resp: 2687723
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 106.372 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion: 106 Resp: 2038370
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.4

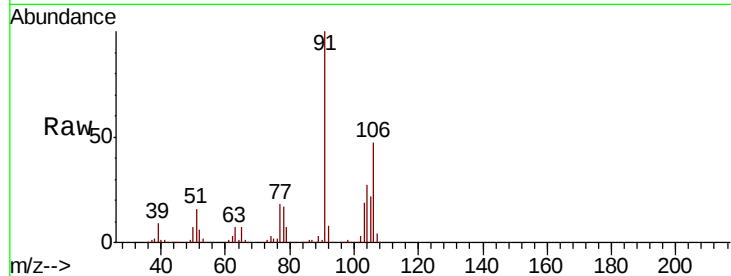




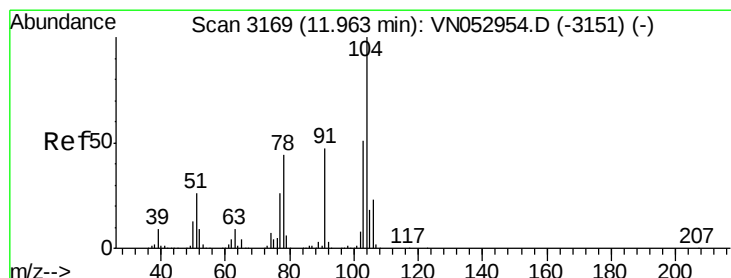
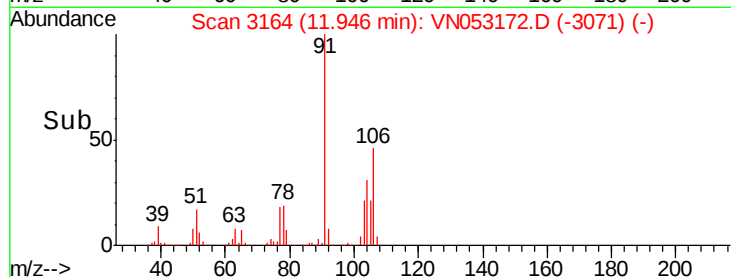
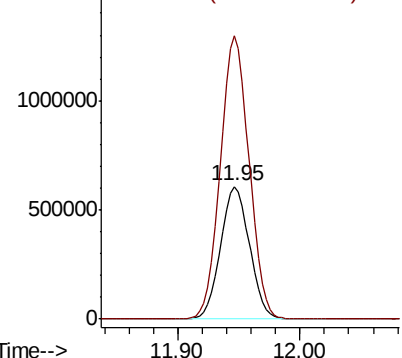
#69
o-Xylene
Concen: 54.157 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 995852
Ion Ratio Lower Upper
106 100
91 212.7 106.6 319.8

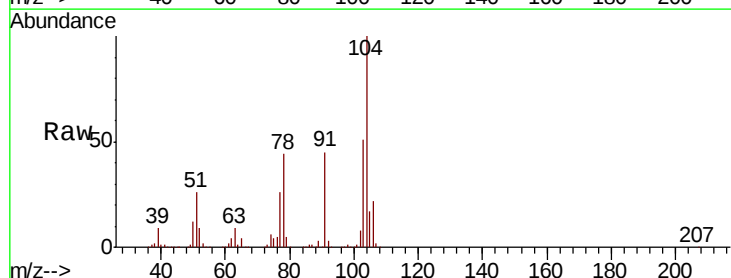


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

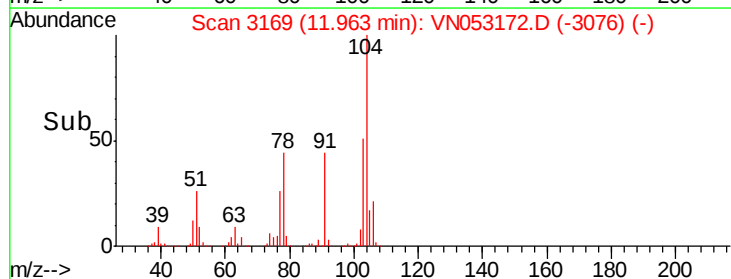
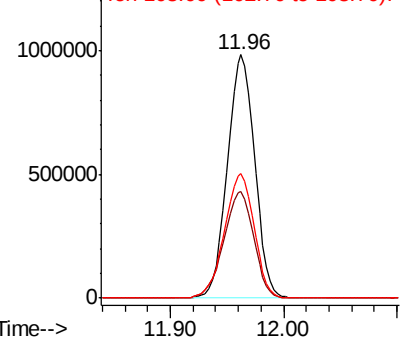


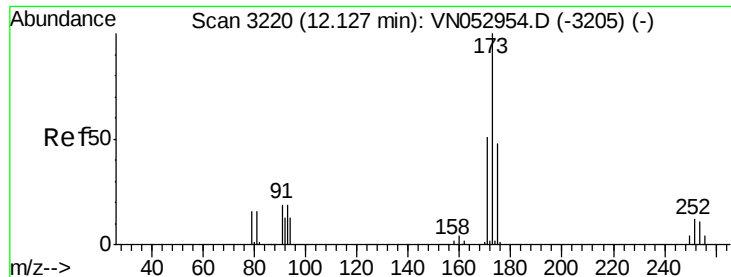
#70
Styrene
Concen: 55.220 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053172.D
Acq: 24 Dec 2018 9:19

Tgt Ion:104 Resp: 1655722
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.3 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 50.635 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

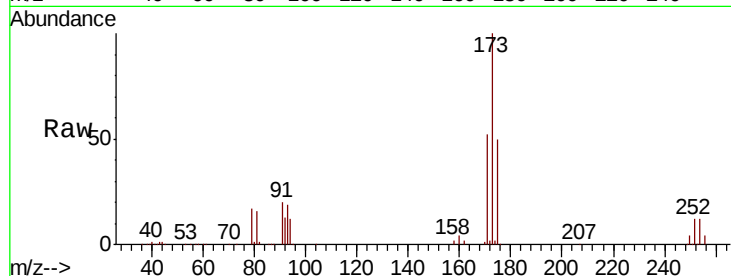
Tot Ion:173 Resp: 372847

Ion Ratio Lower Upper

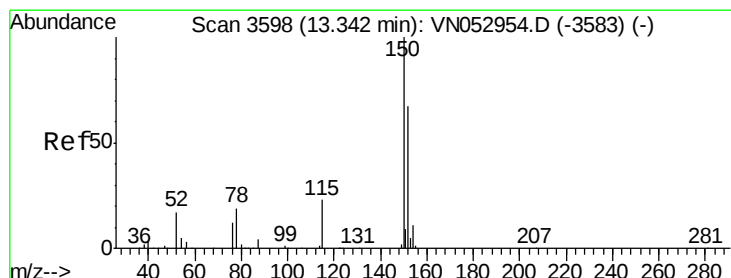
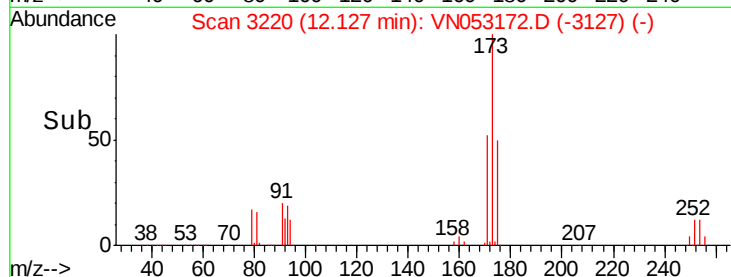
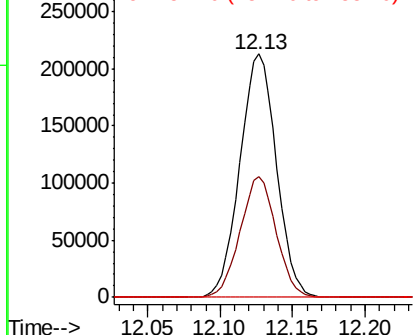
173 100

175 49.0 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

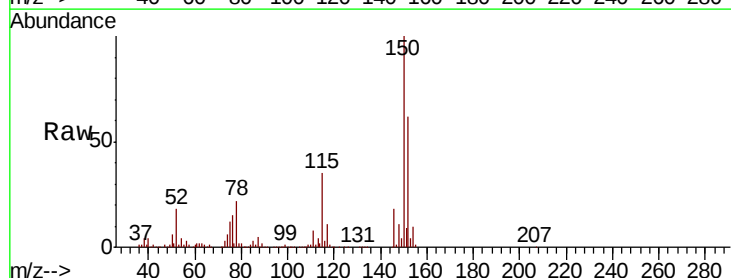
Tgt Ion:152 Resp: 643700

Ion Ratio Lower Upper

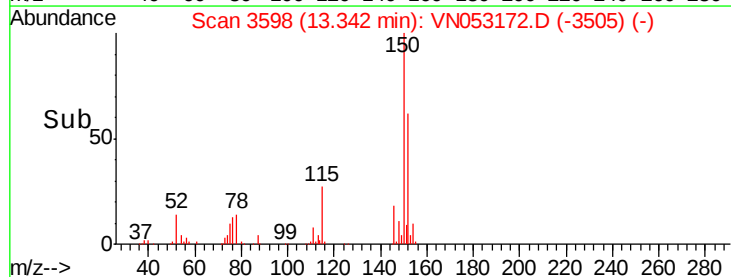
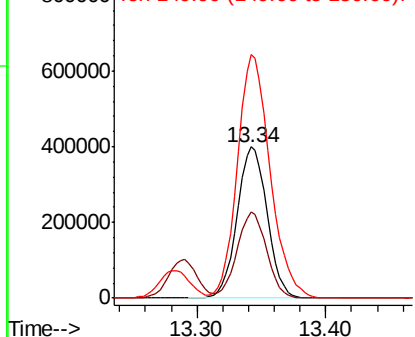
152 100

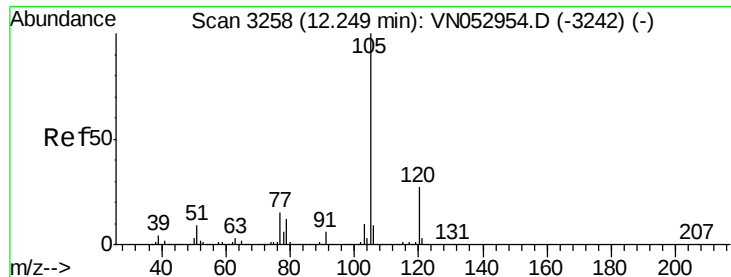
115 56.2 28.3 85.0

150 176.3 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: 52.508 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

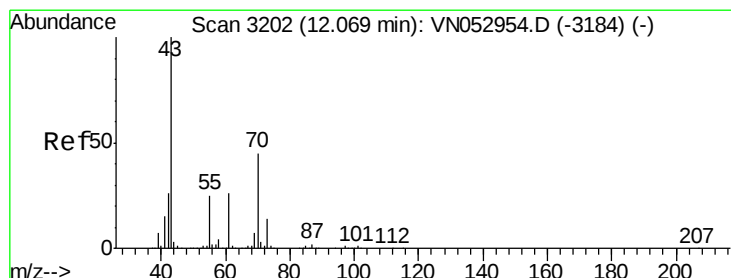
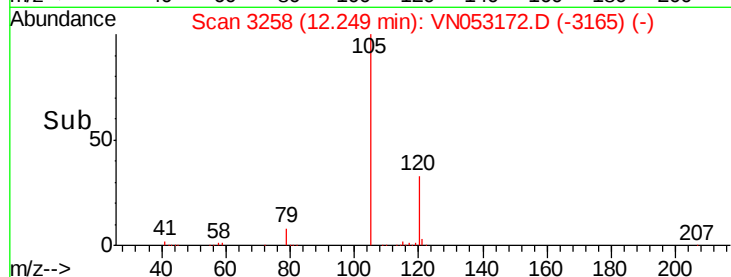
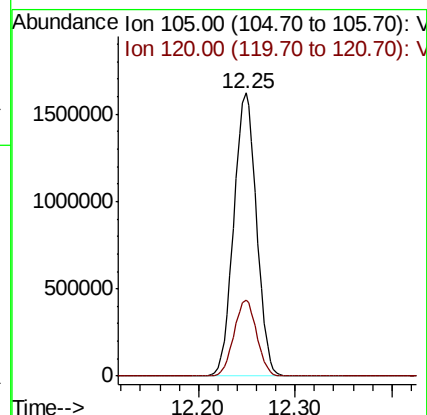
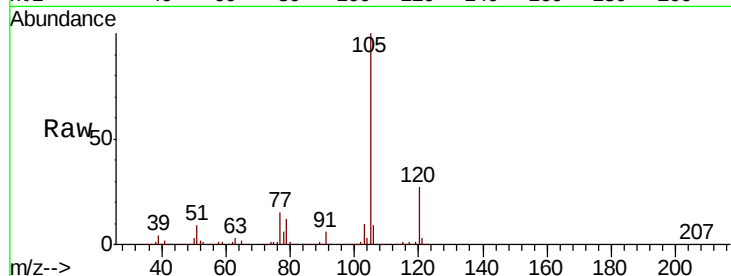
VSTDCCC050

Tot Ion:105 Resp: 2644501

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 50.128 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Tgt Ion: 43 Resp: 700929

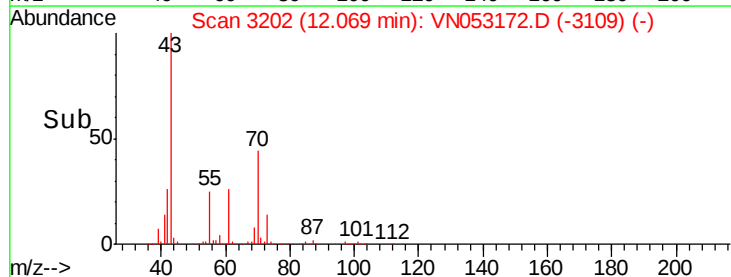
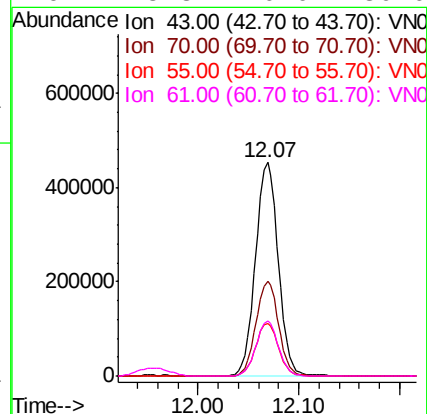
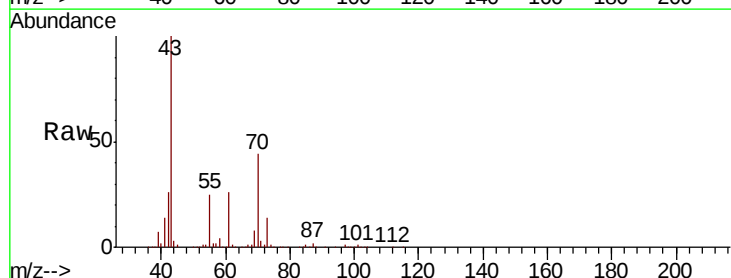
Ion Ratio Lower Upper

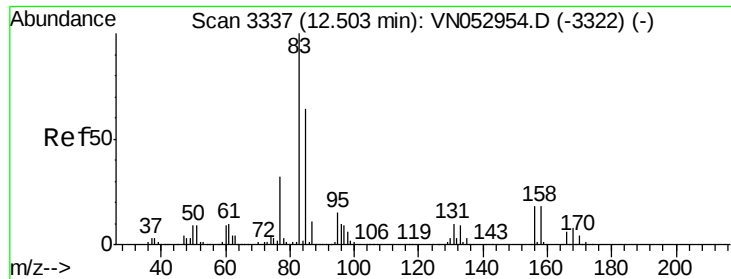
43 100

70 44.1 34.2 51.4

55 25.0 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.612 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

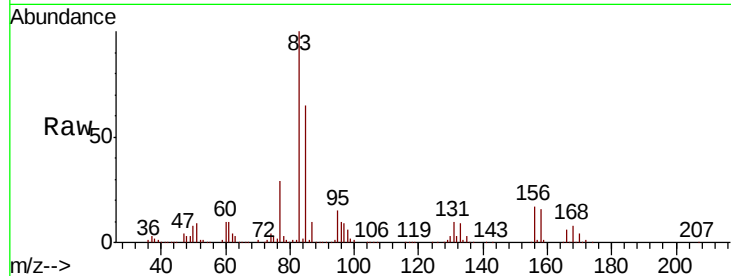
Tot Ion: 83 Resp: 549484

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

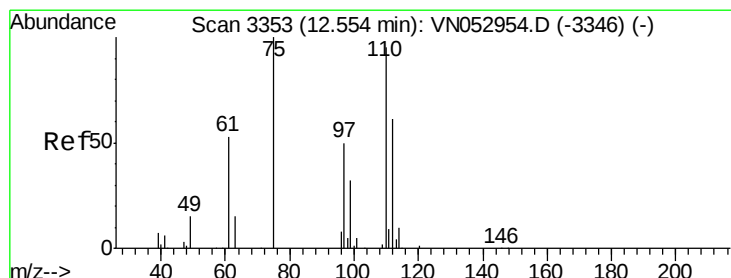
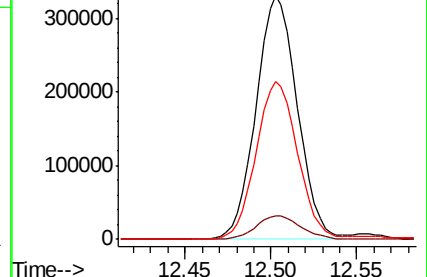
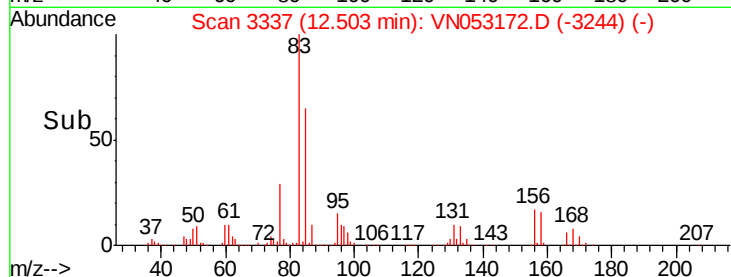
85 65.3 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 68.897 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053172.D

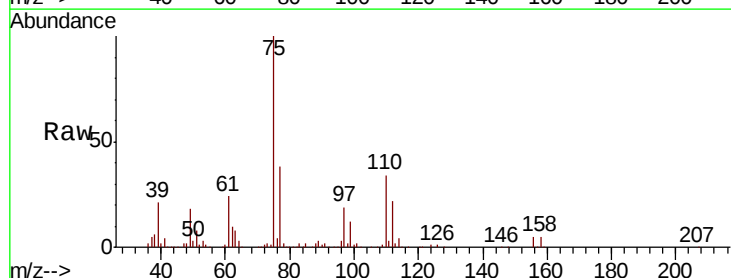
Acq: 24 Dec 2018 9:19

Tgt Ion: 75 Resp: 746570

Ion Ratio Lower Upper

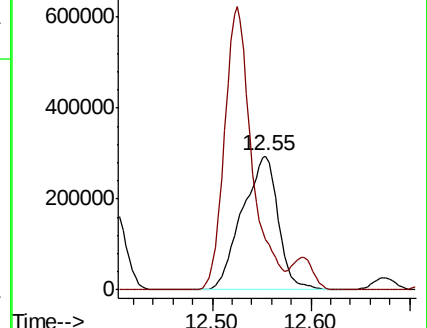
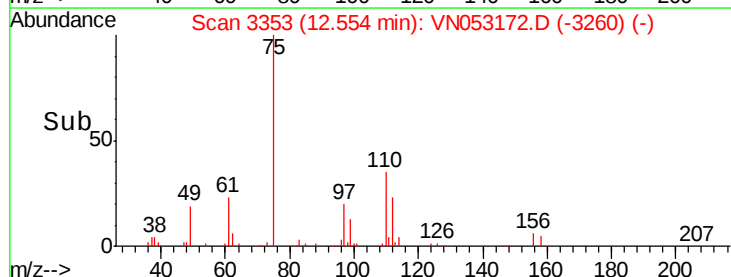
75 100

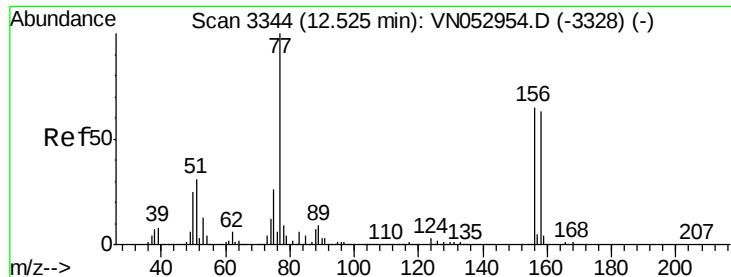
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 51.931 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

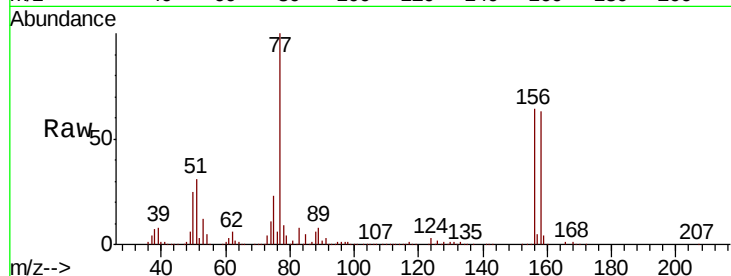
Tot Ion:156 Resp: 679866

Ion Ratio Lower Upper

156 100

77 179.2 91.3 273.8

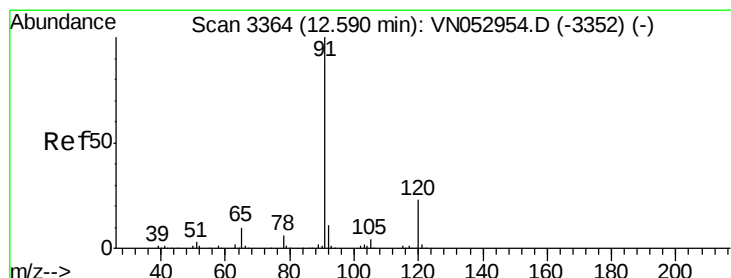
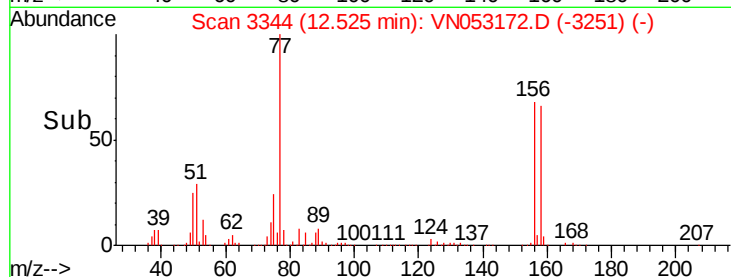
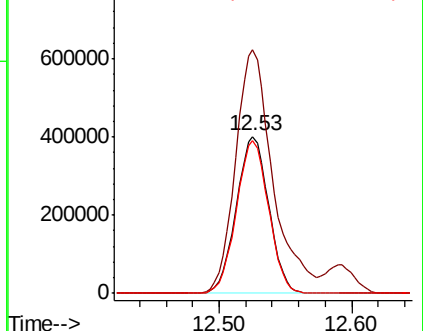
158 96.9 49.0 147.2



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: 53.154 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053172.D

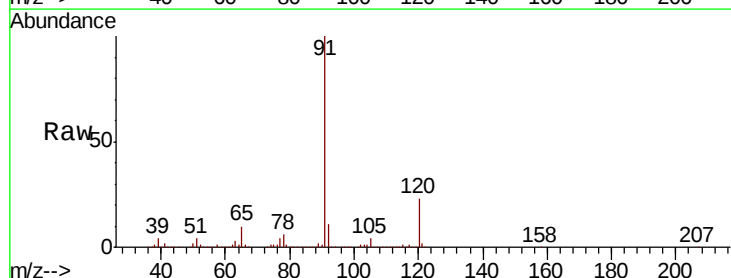
Acq: 24 Dec 2018 9:19

Tgt Ion: 91 Resp: 3048893

Ion Ratio Lower Upper

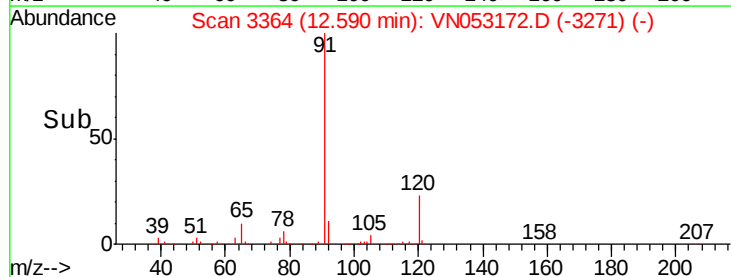
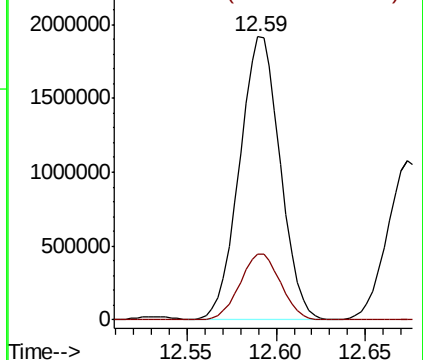
91 100

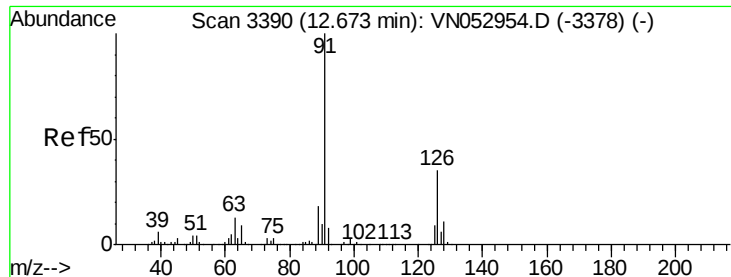
120 23.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.188 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

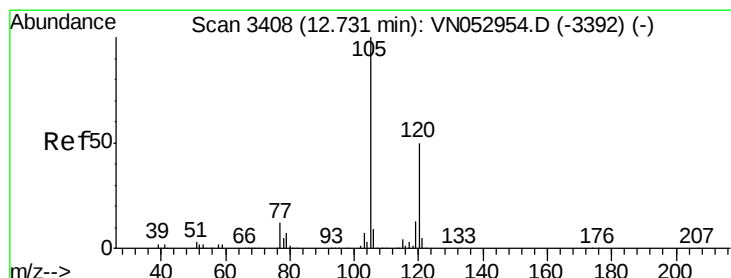
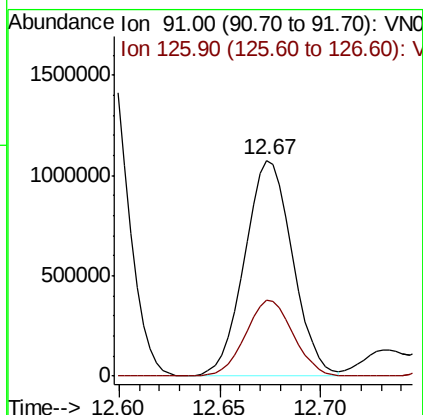
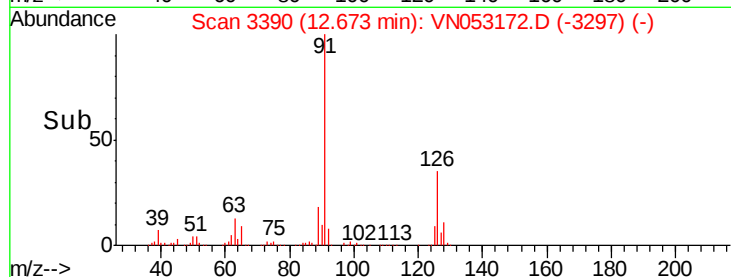
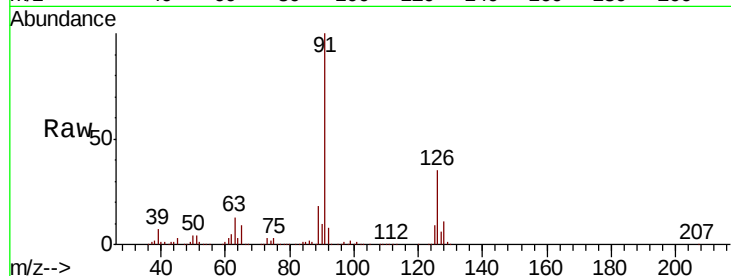
VSTDCCC050

Tot Ion: 91 Resp: 1784400

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 51.975 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053172.D

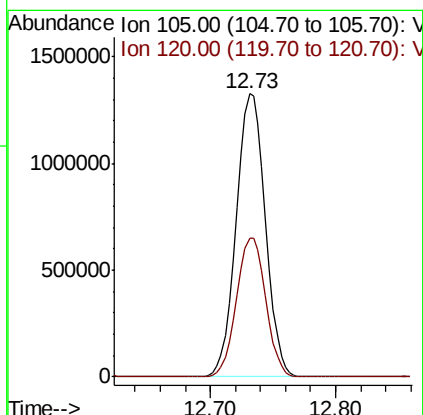
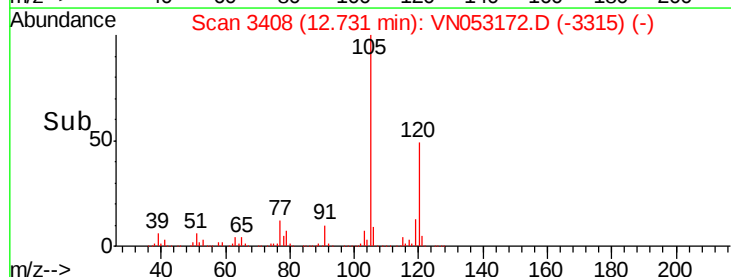
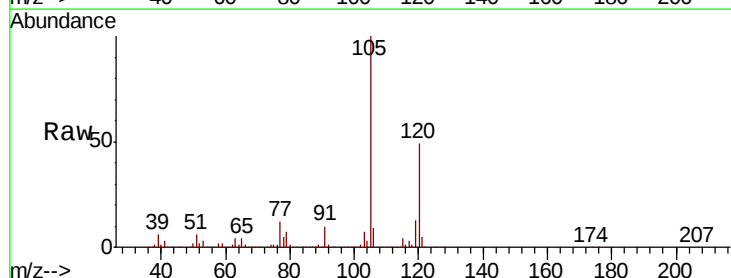
Acq: 24 Dec 2018 9:19

Tgt Ion: 105 Resp: 2133628

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.401 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

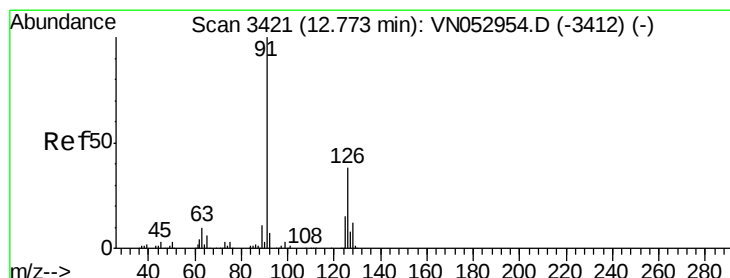
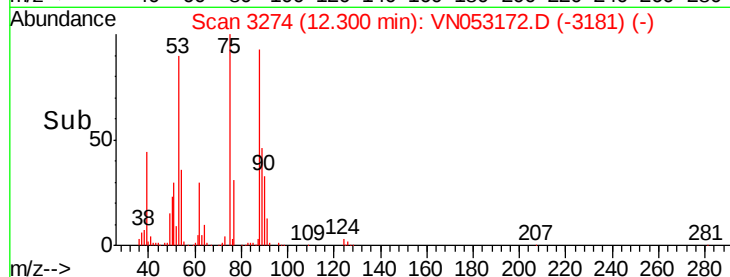
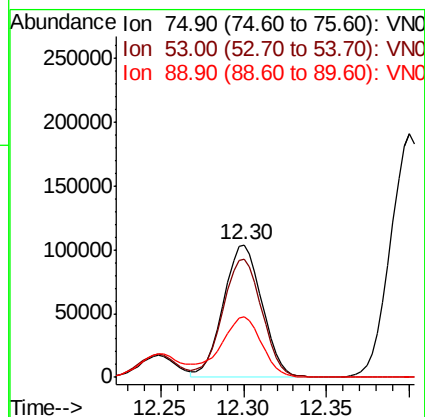
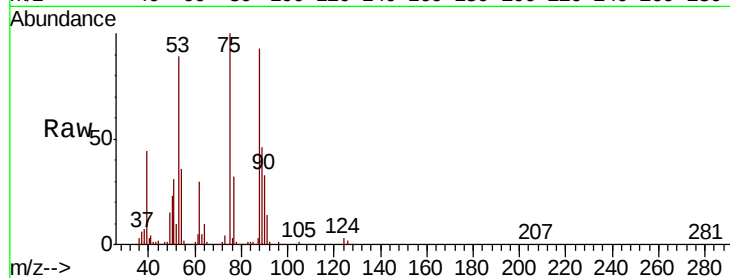
Tot Ion: 75 Resp: 169447

Ion Ratio Lower Upper

75 100

53 91.4 74.7 112.1

89 47.9 36.1 54.1



#82

4-Chlorotoluene

Concen: 52.944 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053172.D

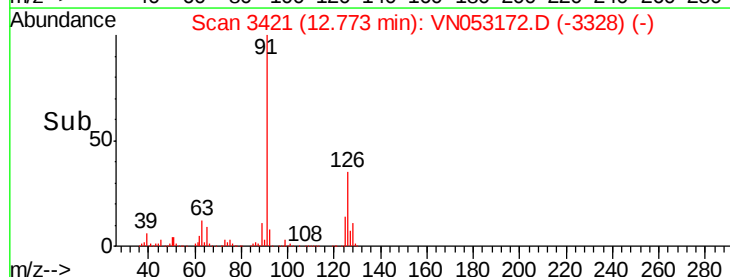
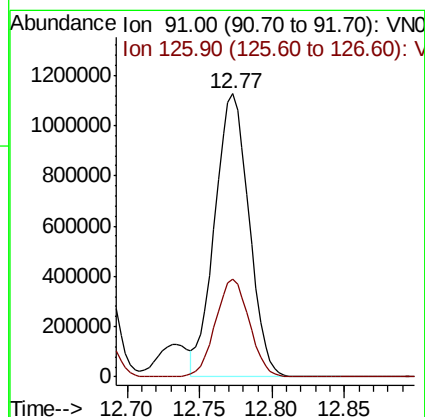
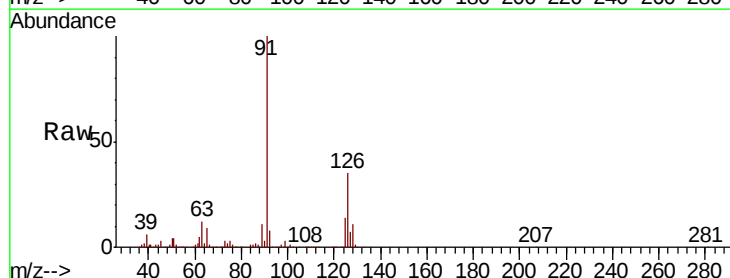
Acq: 24 Dec 2018 9:19

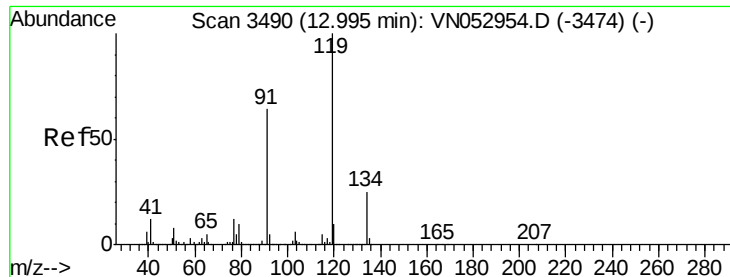
Tgt Ion: 91 Resp: 1842699

Ion Ratio Lower Upper

91 100

126 34.3 17.3 51.7

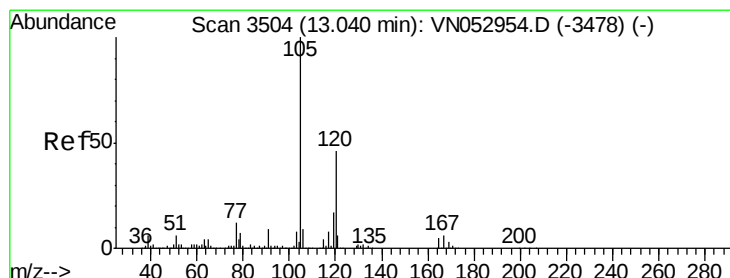
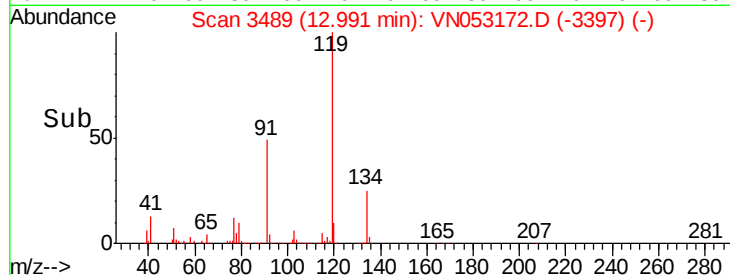
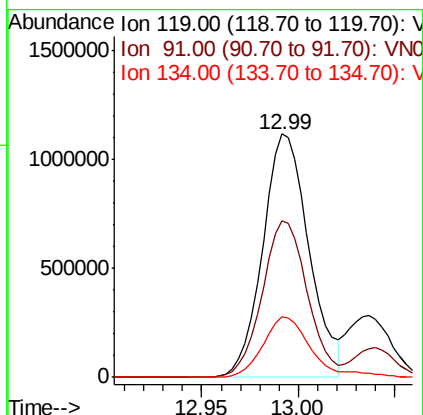
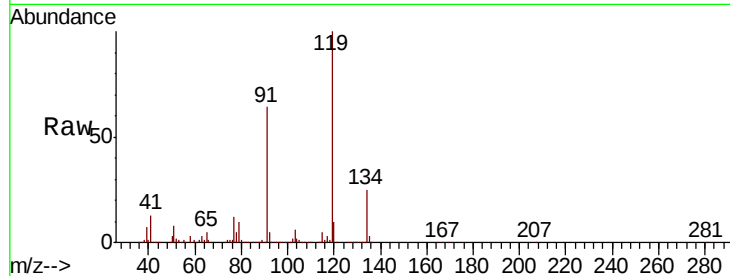




#83
 tert-Butylbenzene
 Concen: 51.307 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

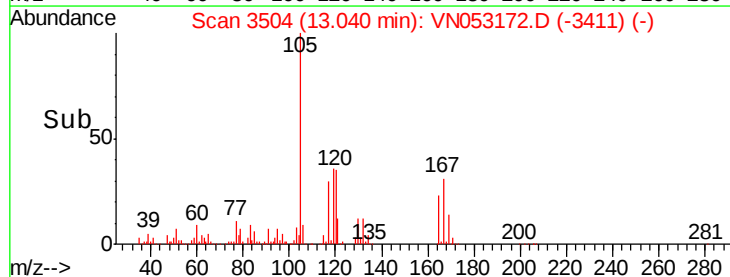
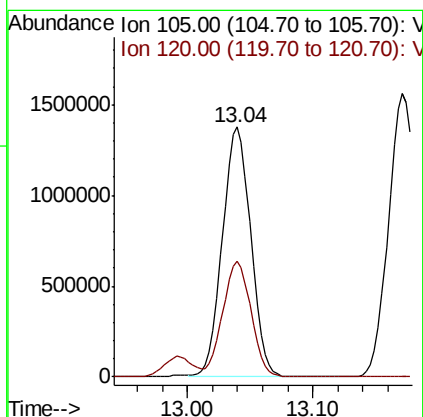
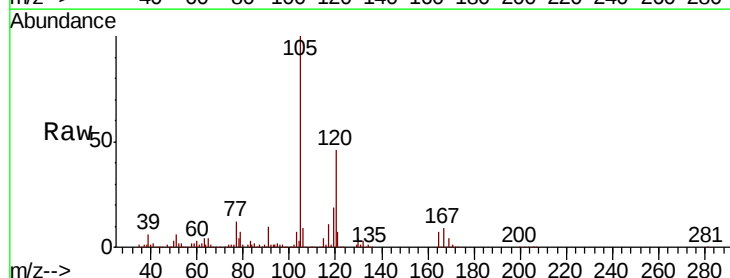
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

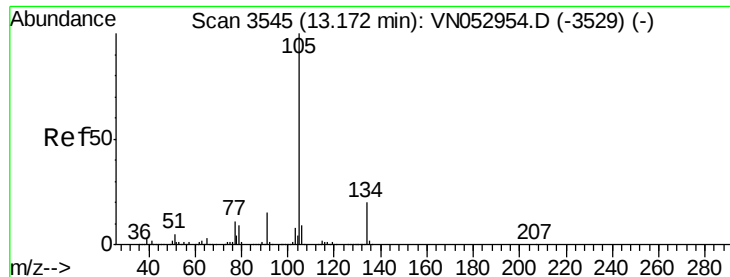
Tot Ion:119 Resp: 1862748
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.9 95.5
 134 25.9 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.210 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion:105 Resp: 2154573
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 51.021 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

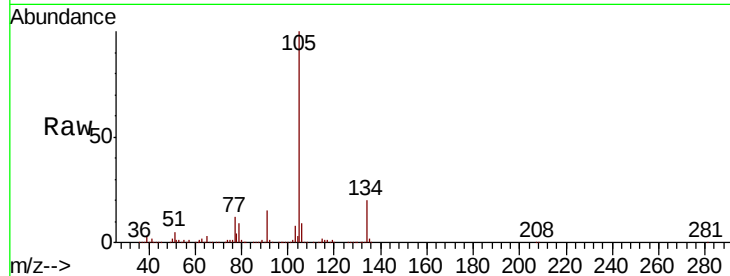
VSTDCCC050

Tot Ion:105 Resp: 2505483

Ion Ratio Lower Upper

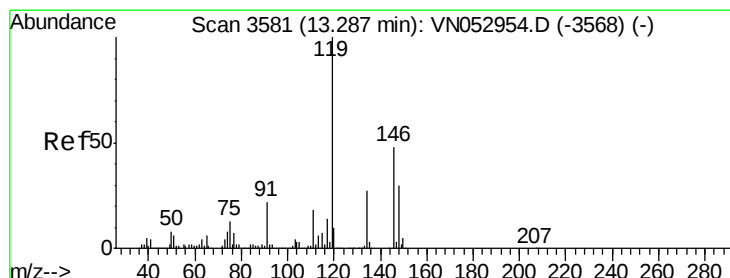
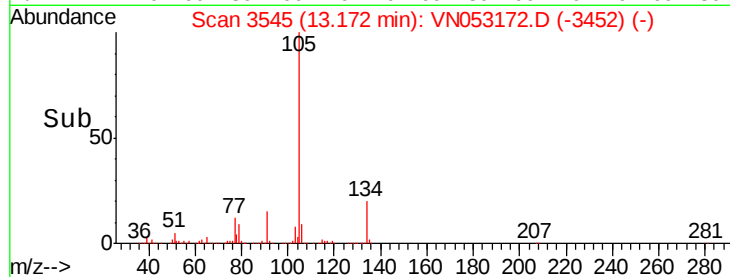
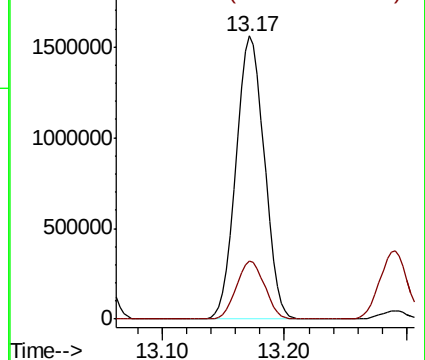
105 100

134 20.5 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: 51.558 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

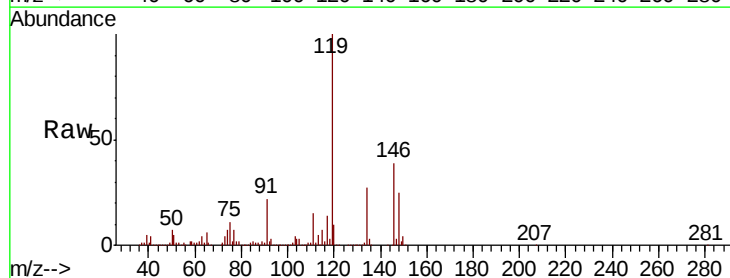
Tgt Ion:119 Resp: 2187758

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

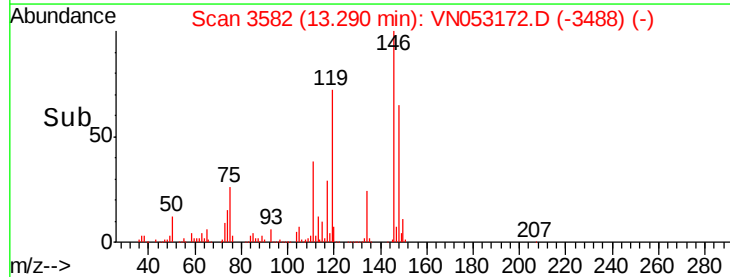
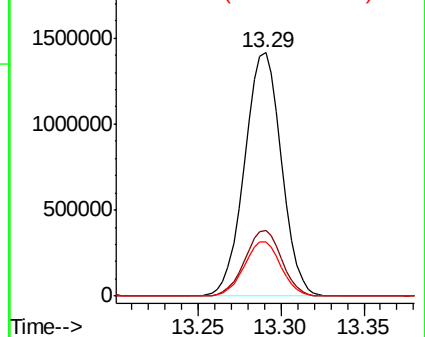
91 22.1 11.1 33.3

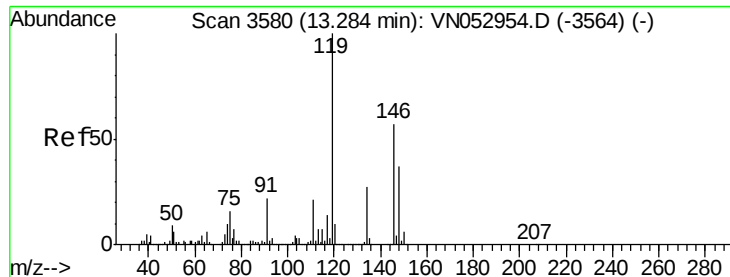


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.807 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

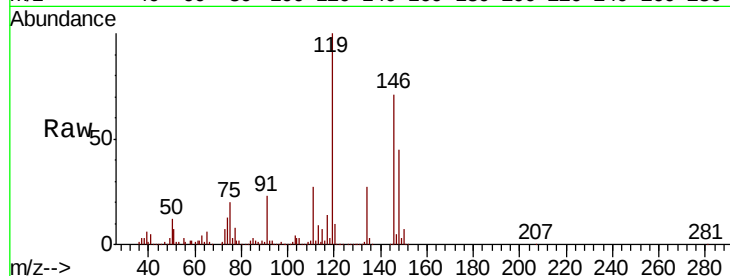
Tot Ion:146 Resp: 1200424

Ion Ratio Lower Upper

146 100

111 38.3 19.1 57.1

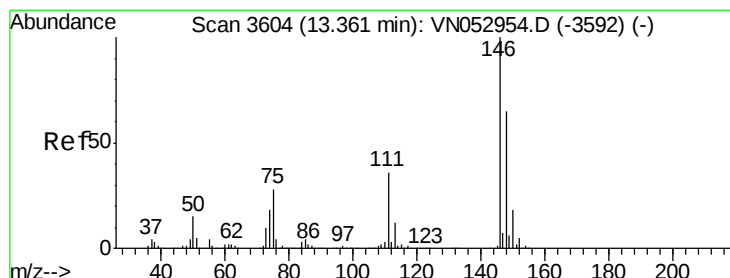
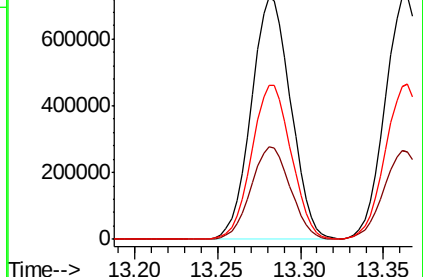
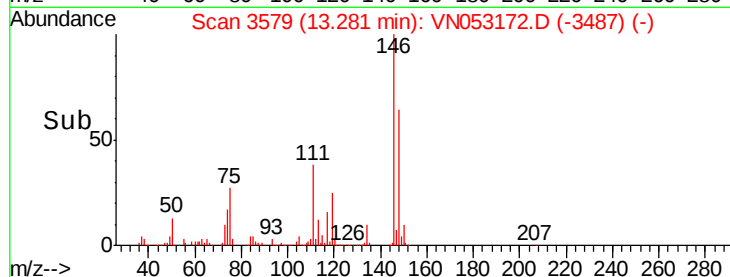
148 63.9 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 50.984 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

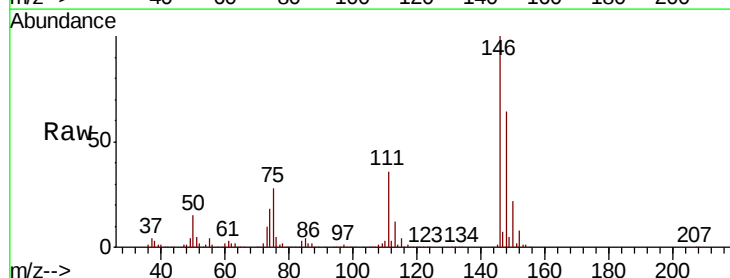
Tgt Ion:146 Resp: 1196323

Ion Ratio Lower Upper

146 100

111 36.9 18.6 55.8

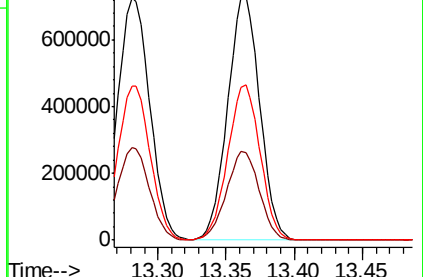
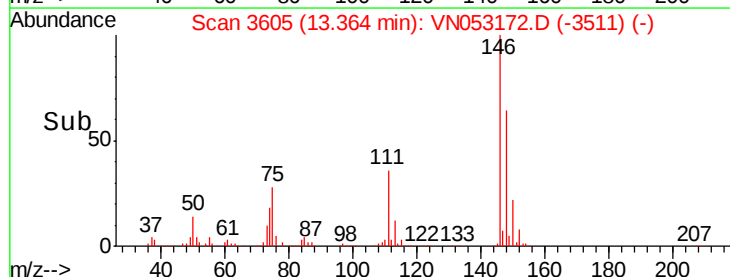
148 64.0 32.1 96.5

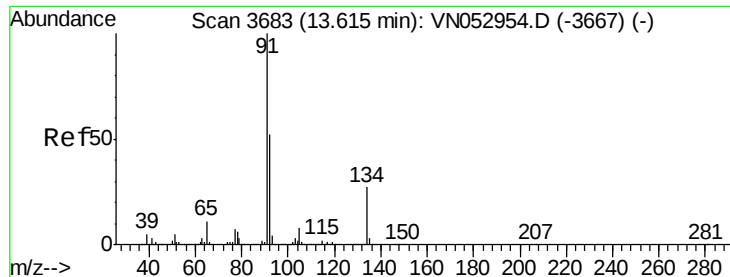


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.768 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

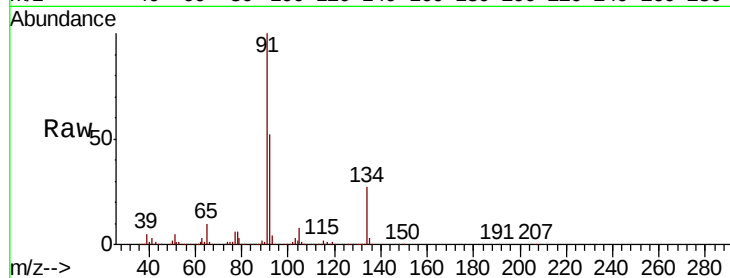
Tot Ion: 91 Resp: 1853297

Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.7	13.3	39.8

91 100

92 52.6 26.3 78.9

134 26.7 13.3 39.8

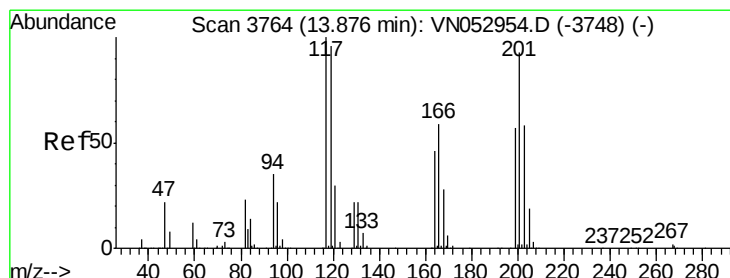
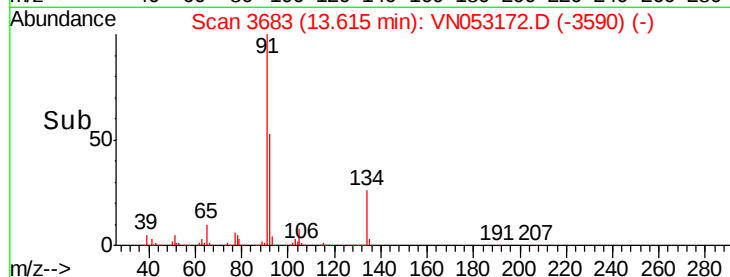
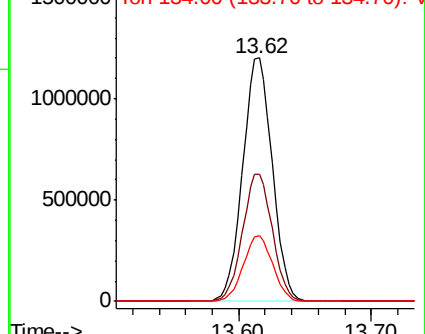


Abundance

Ion 91.00 (90.70 to 91.70): VN052954.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052954.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052954.D (-3667) (-)



#90

Hexachloroethane

Concen: 53.051 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053172.D

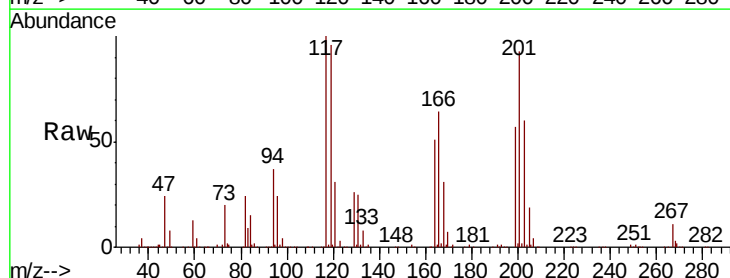
Acq: 24 Dec 2018 9:19

Tgt Ion: 117 Resp: 345450

Ion	Ratio	Lower	Upper
117	100		
201	93.0	45.7	137.1

117 100

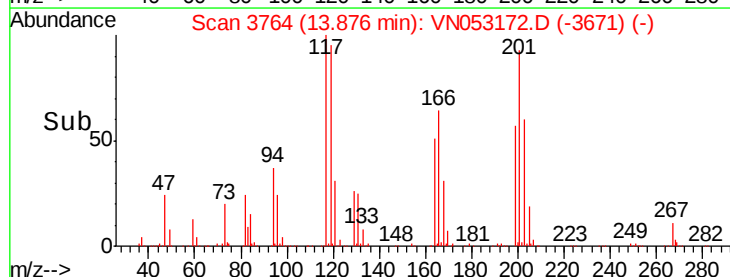
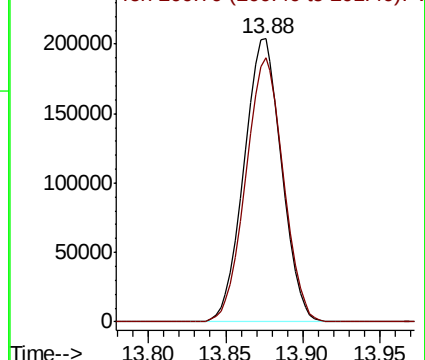
201 93.0 45.7 137.1



Abundance

Ion 116.80 (116.50 to 117.50): VN052954.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052954.D (-3748) (-)

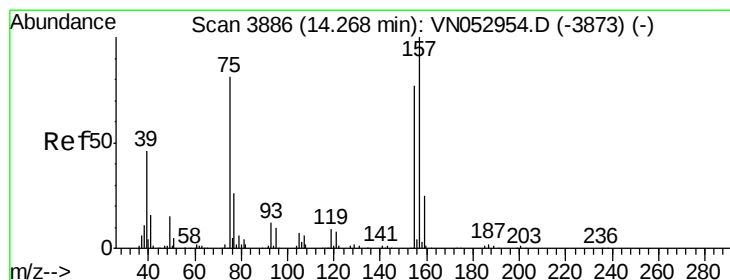
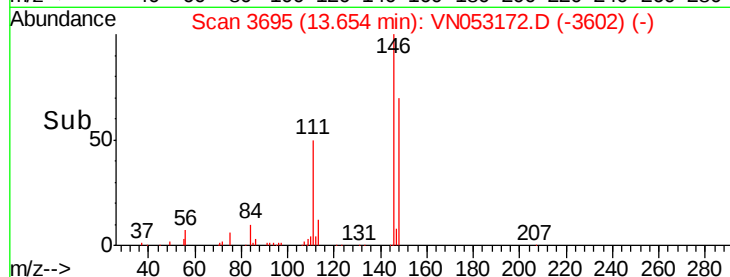
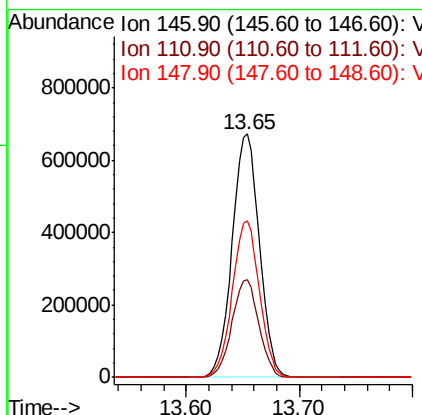
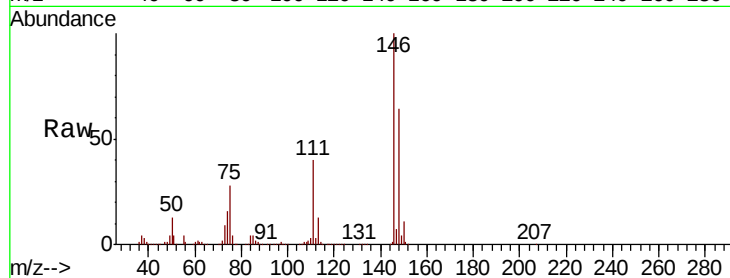




#91
 1,2-Dichlorobenzene
 Concen: 51.600 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

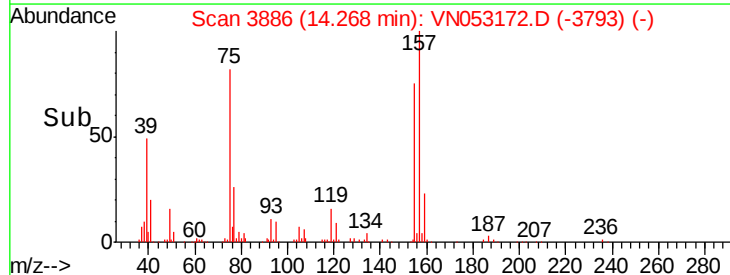
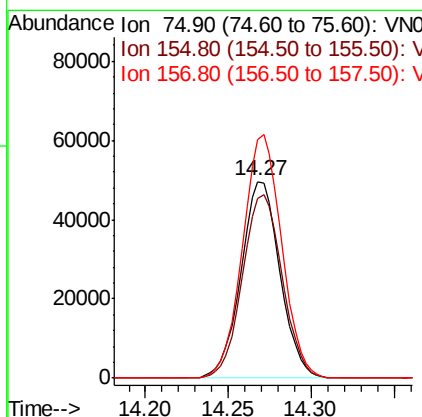
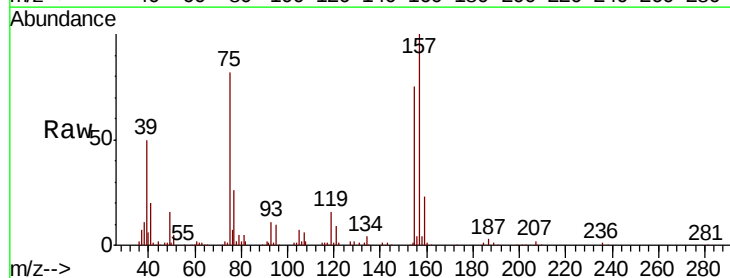
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

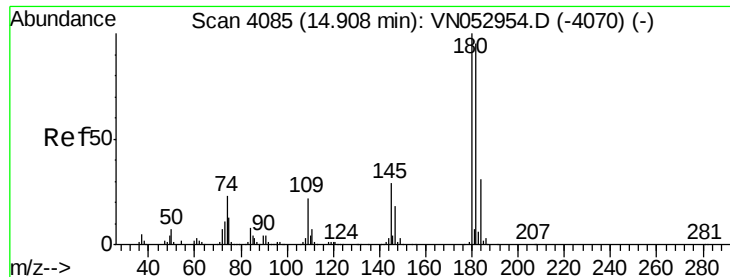
Tot Ion:146 Resp: 1125253
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.0
 148 64.0 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.476 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion: 75 Resp: 81109
 Ion Ratio Lower Upper
 75 100
 155 95.2 48.2 144.6
 157 123.9 61.2 183.5

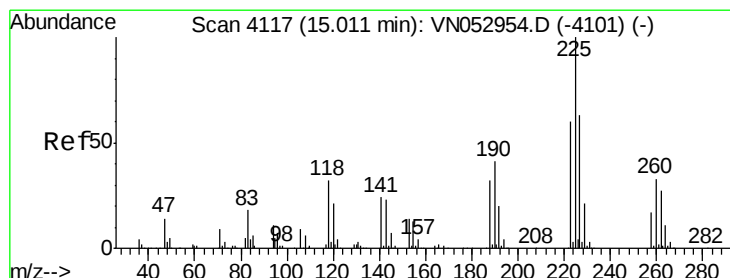
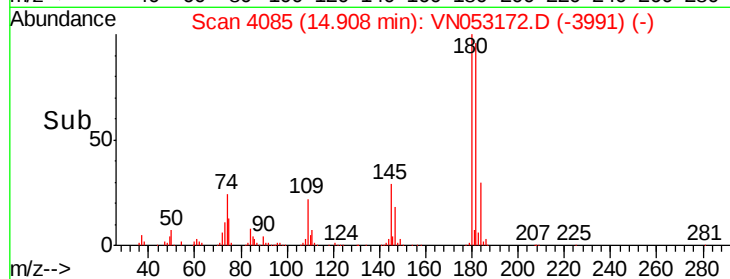
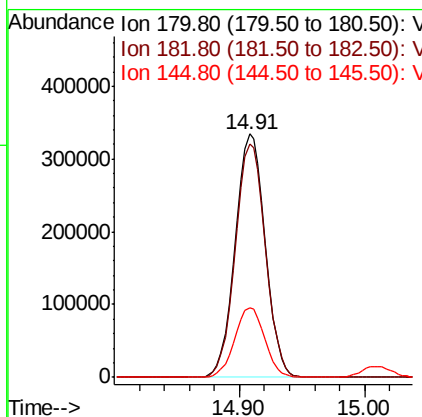
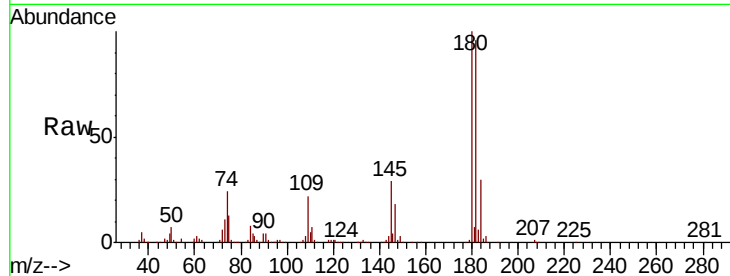




#93
 1,2,4-Trichlorobenzene
 Concen: 47.947 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

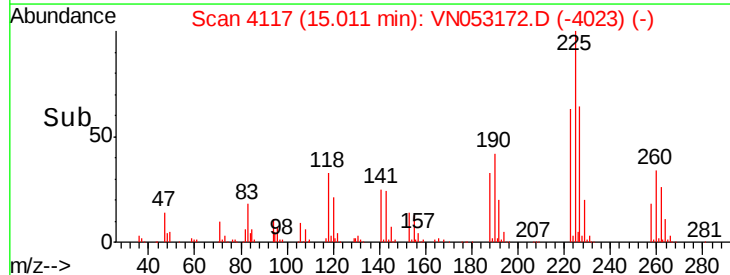
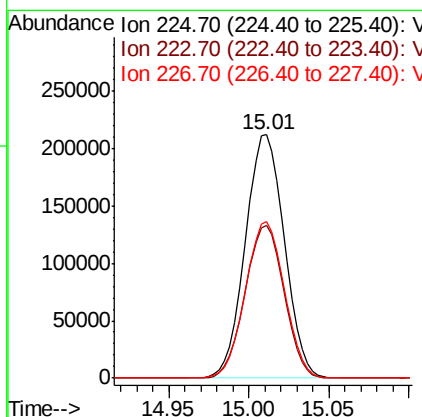
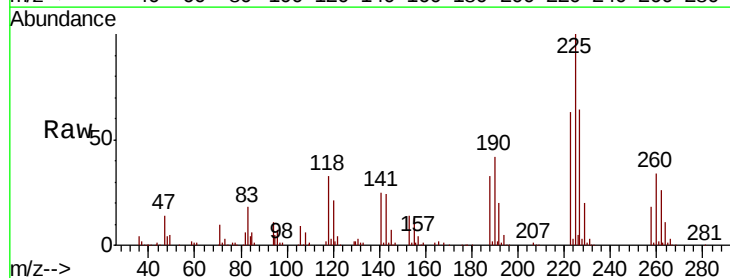
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

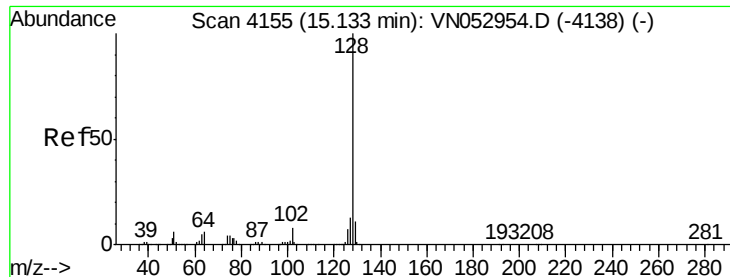
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.8	143.3
145	28.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 59.775 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053172.D
 Acq: 24 Dec 2018 9:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	64.3	31.9	95.7





#95

Naphthalene

Concen: 45.053 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Instrument :

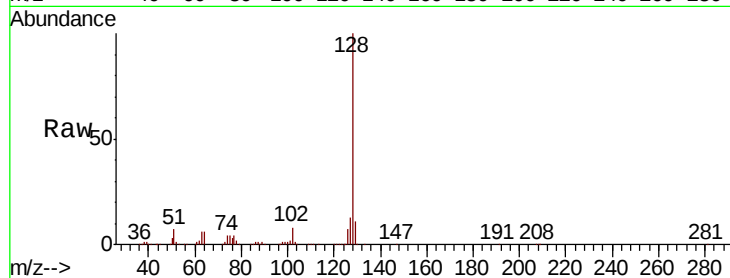
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1137293

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

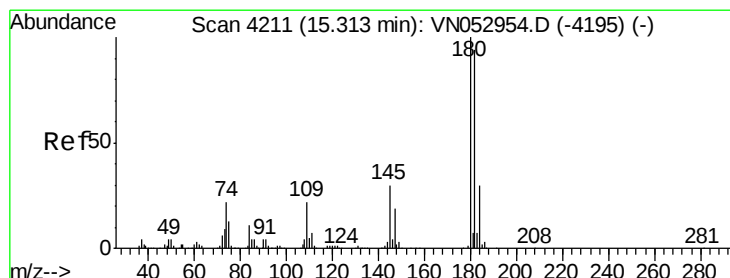
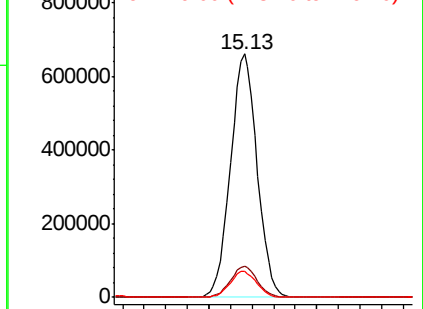
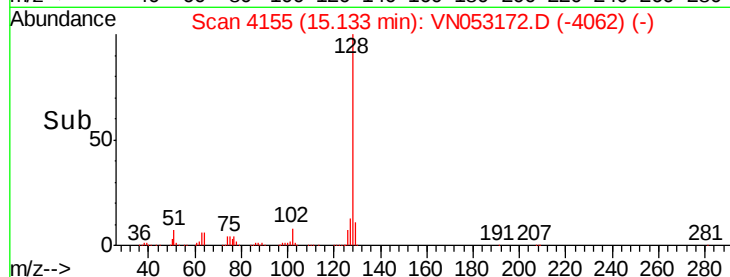


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.626 ug/l

RT: 15.32 min Scan# 4212

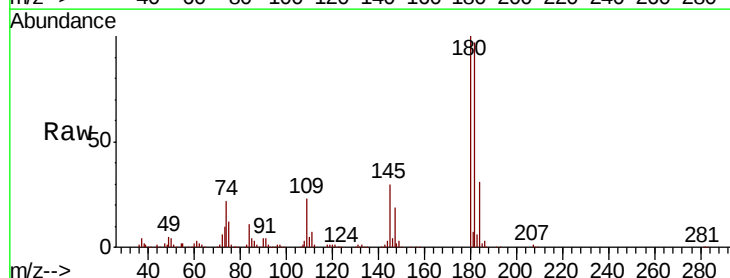
Delta R.T. 0.00 min

Lab File: VN053172.D

Acq: 24 Dec 2018 9:19

Tgt Ion:180 Resp: 484742

Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.9	143.7
145	30.1	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

