

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053124.D
 Acq On : 22 Dec 2018 10:24
 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 23 22:59:18 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	1032219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1529299	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1363791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	659443	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	488697	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
35) Dibromofluoromethane	7.59	113	402160	57.57	ug/l	0.00
Spiked Amount			Recovery	=	115.14%	
50) Toluene-d8	10.09	98	1792862	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.40	95	638344	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	492347	47.129	ug/l	100
3) Chloromethane	2.06	50	588322	46.473	ug/l	99
4) Vinyl Chloride	2.19	62	609044	47.504	ug/l	100
5) Bromomethane	2.57	94	408495	45.987	ug/l	100
6) Chloroethane	2.71	64	365739	48.166	ug/l	99
7) Trichlorofluoromethane	3.02	101	794558	49.748	ug/l	99
8) Diethyl Ether	3.41	74	298843	49.597	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	518242	50.891	ug/l	98
10) Methyl Iodide	3.96	142	685805	47.955	ug/l	99
11) Tert butyl alcohol	4.77	59	145334	227.387	ug/l	98
12) 1,1-Dichloroethene	3.74	96	478760	48.662	ug/l	99
13) Acrolein	3.61	56	192184	331.614	ug/l	99
14) Allyl chloride	4.33	41	799790	52.482	ug/l	96
15) Acrylonitrile	4.98	53	846758	238.471	ug/l	98
16) Acetone	3.81	43	499724	243.313	ug/l	95
17) Carbon Disulfide	4.06	76	1354408	42.213	ug/l	100
18) Methyl Acetate	4.32	43	461117	49.477	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1296367	49.238	ug/l	99
20) Methylene Chloride	4.55	84	546939	48.819	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	516276	48.841	ug/l	100
22) Diisopropyl ether	5.95	45	1692375	52.027	ug/l	98
23) Vinyl Acetate	5.89	43	4756715	254.302	ug/l	99
24) 1,1-Dichloroethane	5.85	63	975042	50.443	ug/l	99
25) 2-Butanone	6.83	43	874772	253.790	ug/l	97
26) 2,2-Dichloropropane	6.82	77	737729	49.997	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	599096	50.062	ug/l	99
28) Bromochloromethane	7.19	49	428008	51.100	ug/l	96
29) Tetrahydrofuran	7.21	42	617671	239.934	ug/l	98
30) Chloroform	7.37	83	964180	50.778	ug/l	100
31) Cyclohexane	7.65	56	914904	50.477	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	789469	48.806	ug/l	99
36) 1,1-Dichloropropene	7.79	75	748907	51.020	ug/l	100
37) Ethyl Acetate	6.93	43	409593	49.985	ug/l	98
38) Carbon Tetrachloride	7.77	117	690899	51.352	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	899610	50.450	ug/l	98
40) Benzene	8.04	78	2255444	51.658	ug/l	100
41) Methacrylonitrile	7.18	41	241198	50.944	ug/l	96
42) 1,2-Dichloroethane	8.12	62	656579	50.904	ug/l	99
43) Isopropyl Acetate	8.16	43	759992	47.882	ug/l	96
44) Trichloroethene	8.83	130	622054	49.258	ug/l	99
45) 1,2-Dichloropropane	9.12	63	601890	52.925	ug/l	99
46) Dibromomethane	9.21	93	337525	50.947	ug/l	99
47) Bromodichloromethane	9.40	83	728298	51.716	ug/l	99
48) Methyl methacrylate	9.20	41	393296	49.462	ug/l	99
49) 1,4-Dioxane	9.20	88	98889	983.154	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	2015762	254.016	ug/l	99
52) Toluene	10.16	92	1406013	51.954	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	741006	50.040	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	878287	51.672	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	486048	51.481	ug/l	97
56) Ethyl methacrylate	10.43	69	625444	50.050	ug/l	98
57) 1,3-Dichloropropane	10.71	76	835195	51.587	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1933310	281.804	ug/l	99
59) 2-Hexanone	10.75	43	1390750	259.030	ug/l	99
60) Dibromochloromethane	10.90	129	546752	50.592	ug/l	99
61) 1,2-Dibromoethane	11.00	107	482017	50.270	ug/l	99
64) Tetrachloroethene	10.63	164	700013	47.385	ug/l	99
65) Chlorobenzene	11.43	112	1546171	51.145	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	541459	51.504	ug/l	100
67) Ethyl Benzene	11.51	91	2715342	52.228	ug/l	100
68) m/p-Xylenes	11.62	106	2057763	104.115	ug/l	99
69) o-Xylene	11.95	106	994129	52.418	ug/l	99
70) Styrene	11.96	104	1656761	53.573	ug/l	99
71) Bromoform	12.13	173	371081	48.861	ug/l	100
73) Isopropylbenzene	12.25	105	2665268	51.657	ug/l	100
74) N-amyl acetate	12.07	43	687427	47.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	530484	52.408	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	723824	65.203	ug/l #	100
77) Bromobenzene	12.53	156	677552	50.519	ug/l	97
78) n-propylbenzene	12.59	91	3061637	52.102	ug/l	99
79) 2-Chlorotoluene	12.67	91	1790451	49.156	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2152792	51.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	162986	47.322	ug/l	96
82) 4-Chlorotoluene	12.77	91	1829944	51.323	ug/l	100
83) tert-Butylbenzene	12.99	119	1868926	50.248	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2168844	51.301	ug/l	99
85) sec-Butylbenzene	13.17	105	2531968	50.329	ug/l	100
86) p-Isopropyltoluene	13.29	119	2213516	50.920	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1215248	51.195	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1198050	49.838	ug/l	100
89) n-Butylbenzene	13.62	91	1860244	49.742	ug/l	100
90) Hexachloroethane	13.88	117	339025	50.821	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1136872	50.888	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	78670	44.949	ug/l	99

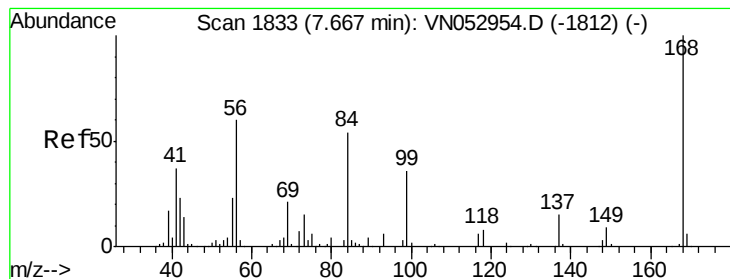
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	552423	46.712	ug/l	100
94) Hexachlorobutadiene	15.01	225	349320	57.426	ug/l	100
95) Naphthalene	15.13	128	1116175	43.209	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	486641	45.702	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

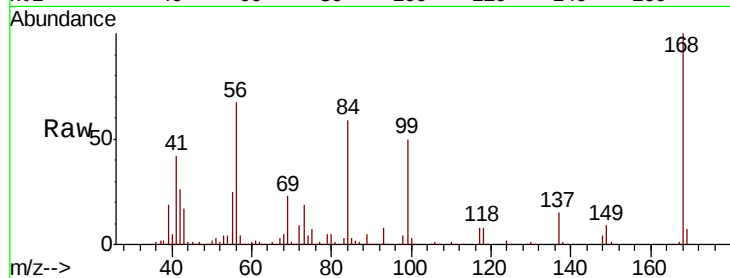
VSTDCCC050

Tot Ion:168 Resp: 1032219

Ion Ratio Lower Upper

168 100

99 50.0 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

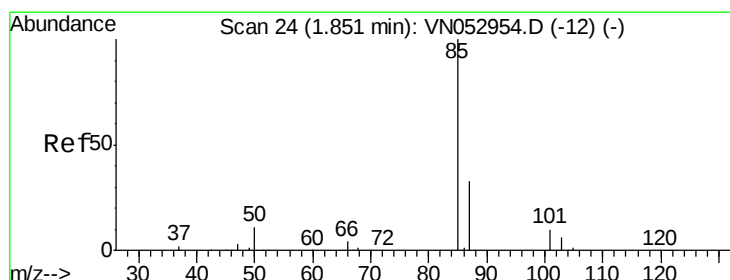
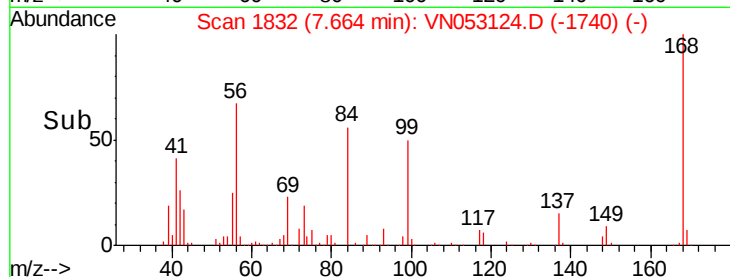
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.129 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053124.D

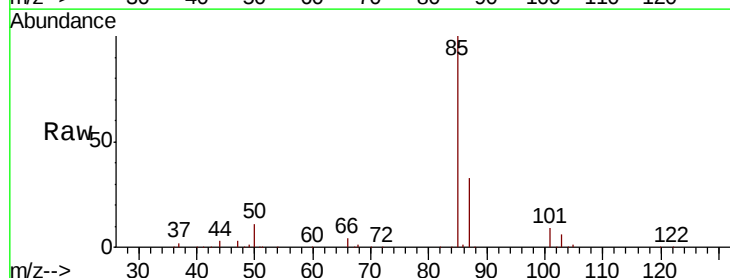
Acq: 22 Dec 2018 10:24

Tgt Ion: 85 Resp: 492347

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

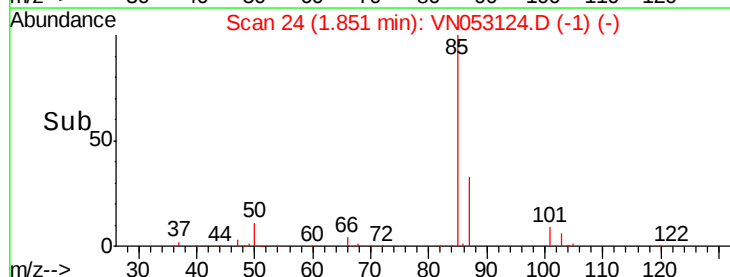
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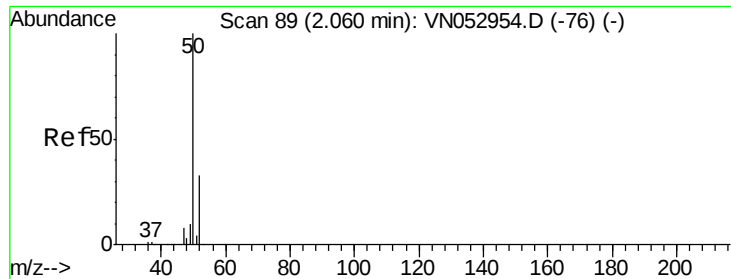
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.473 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

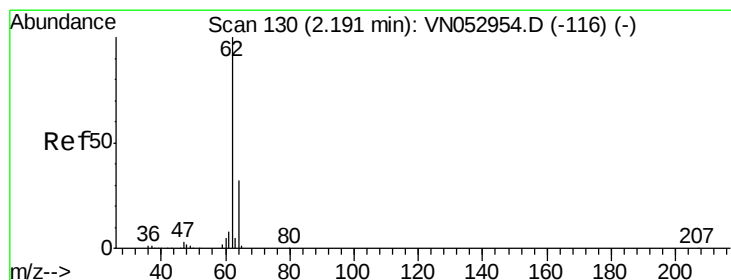
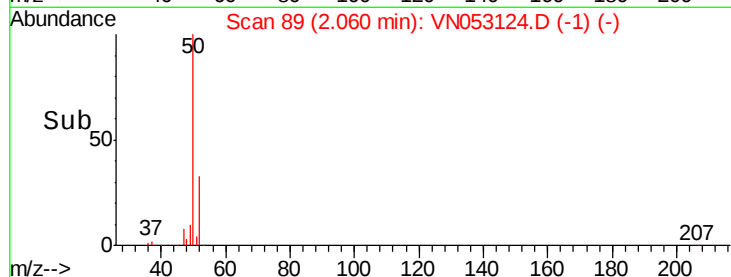
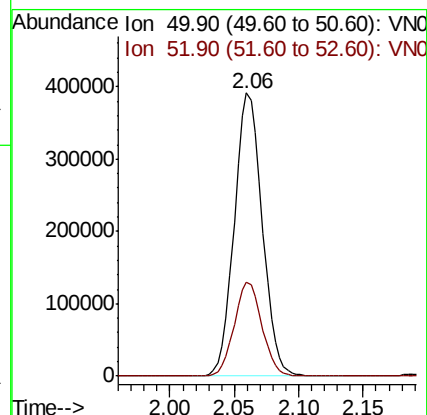
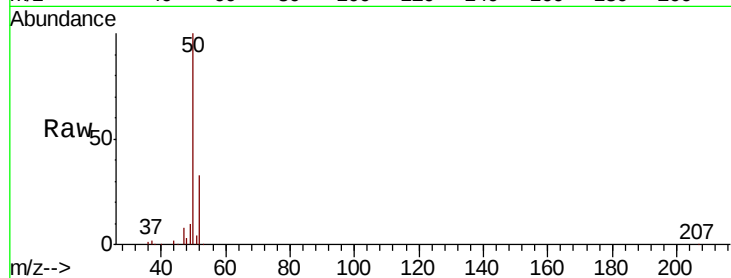
VSTDCCC050

Tot Ion: 50 Resp: 588322

Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



#4

Vinyl Chloride

Concen: 47.504 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053124.D

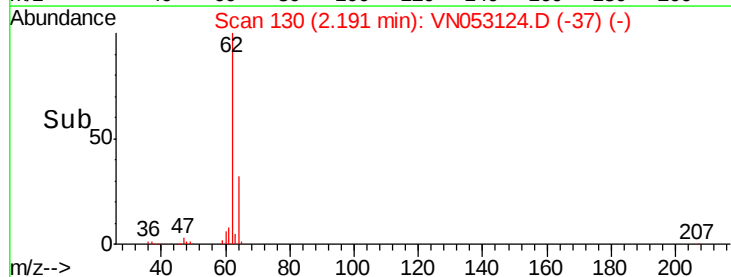
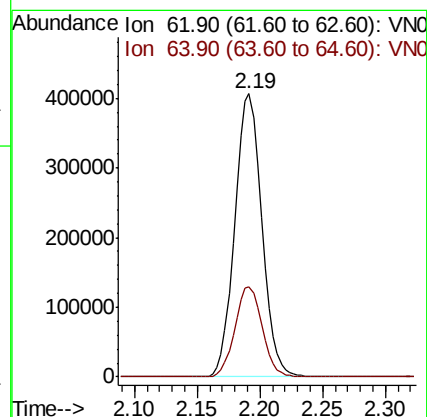
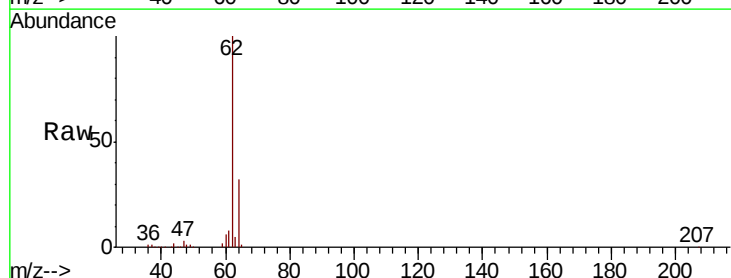
Acq: 22 Dec 2018 10:24

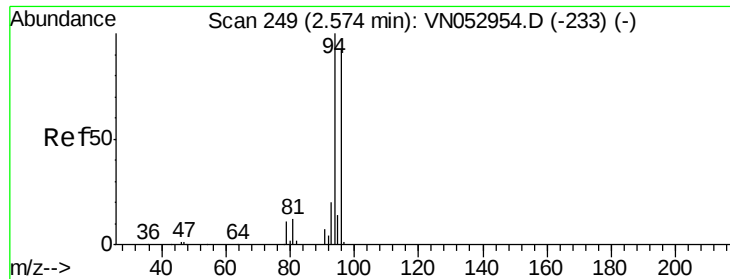
Tgt Ion: 62 Resp: 609044

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 45.987 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

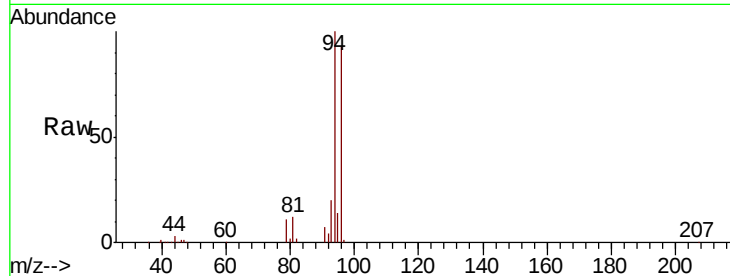
VSTDCCC050

Tot Ion: 94 Resp: 408495

Ion Ratio Lower Upper

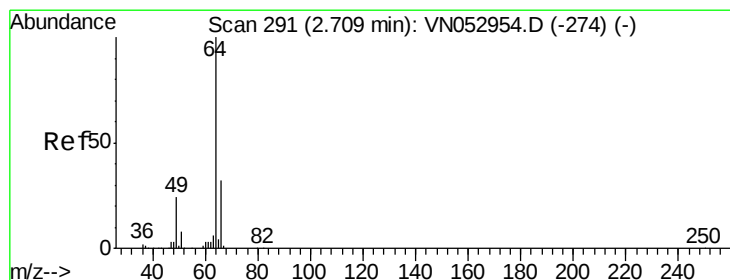
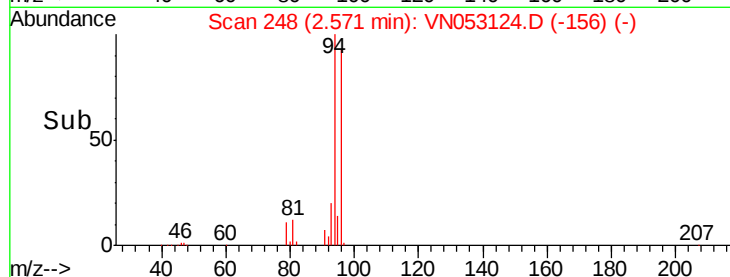
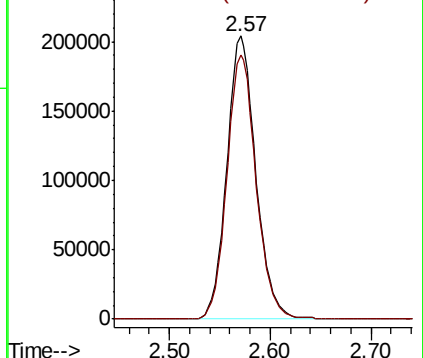
94 100

96 93.4 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.166 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053124.D

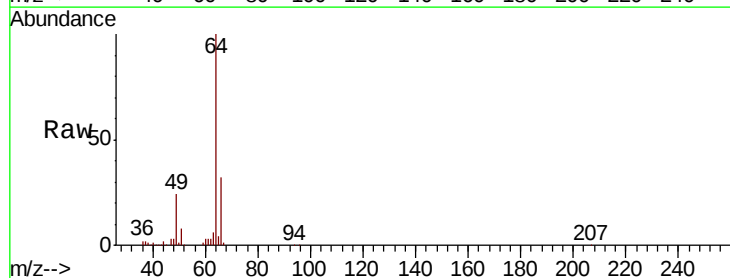
Acq: 22 Dec 2018 10:24

Tgt Ion: 64 Resp: 365739

Ion Ratio Lower Upper

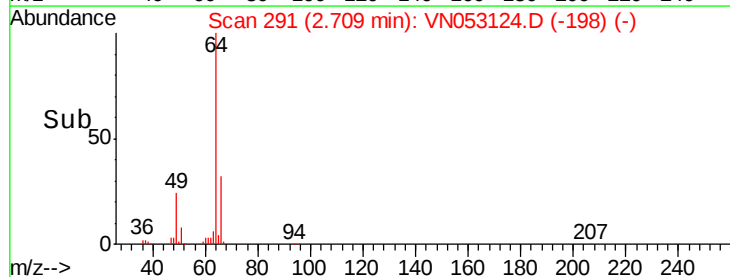
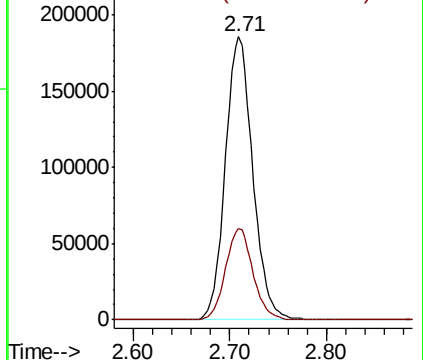
64 100

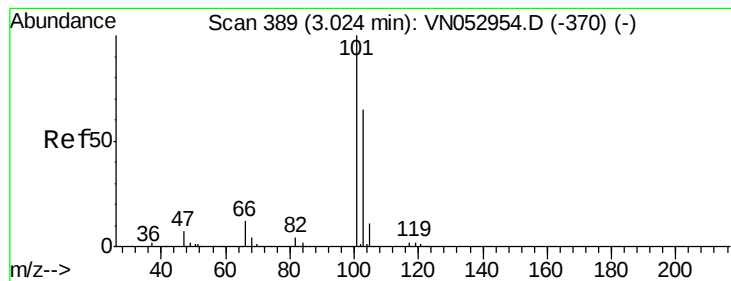
66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



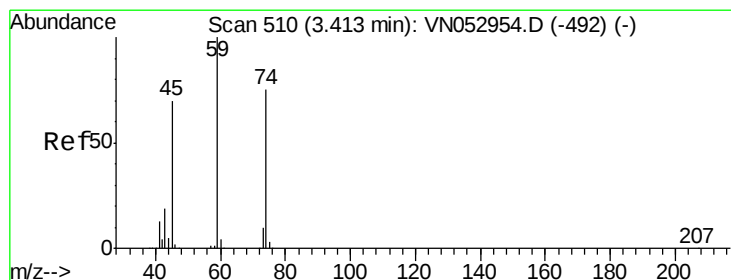
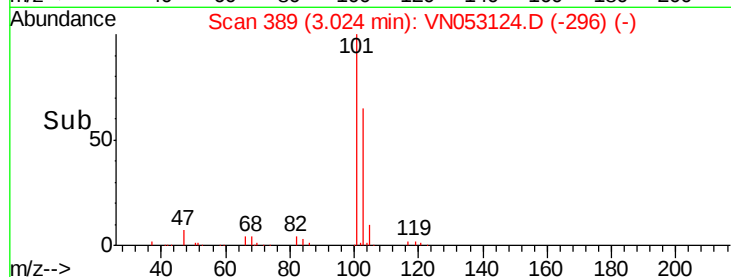
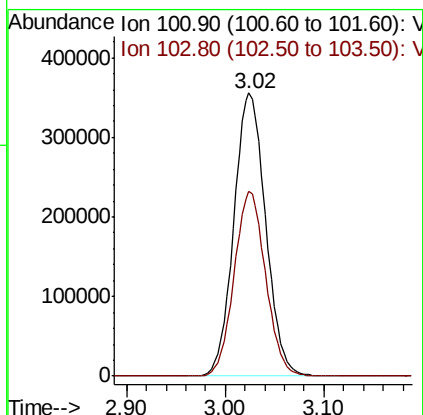
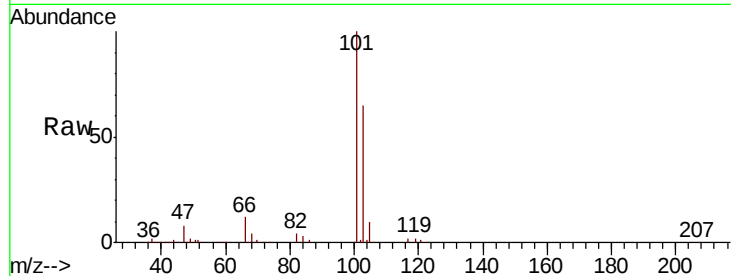


#7

Trichlorofluoromethane
 Concen: 49.748 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

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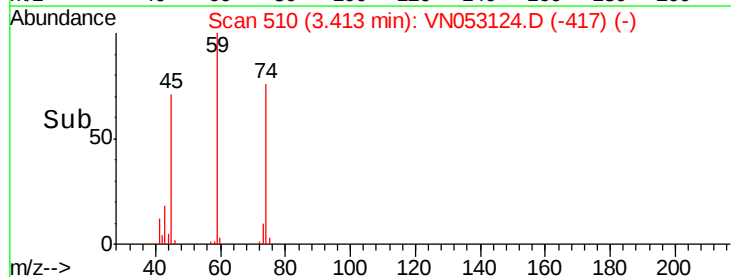
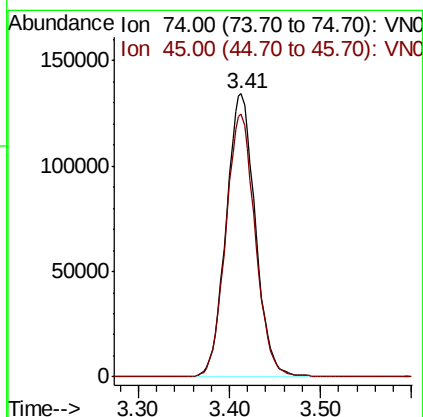
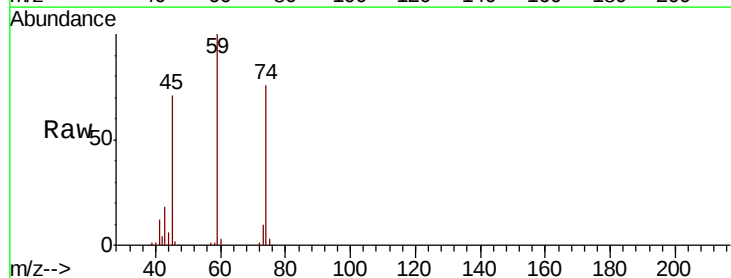
Tot Ion:101 Resp: 794558
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.6

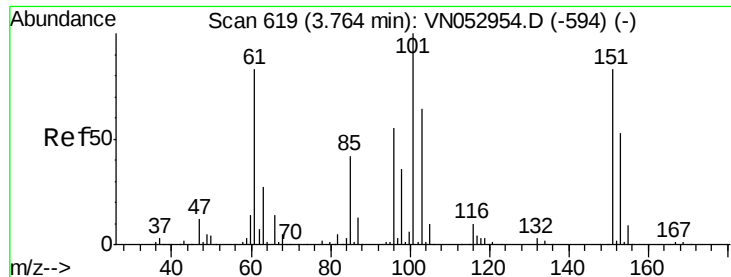


#8

Diethyl Ether
 Concen: 49.597 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 74 Resp: 298843
 Ion Ratio Lower Upper
 74 100
 45 93.5 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.891 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

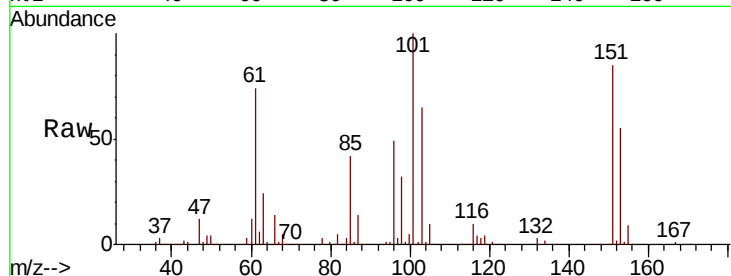
Tot Ion:101 Resp: 518242

Ion Ratio Lower Upper

101 100

85 42.1 33.6 50.4

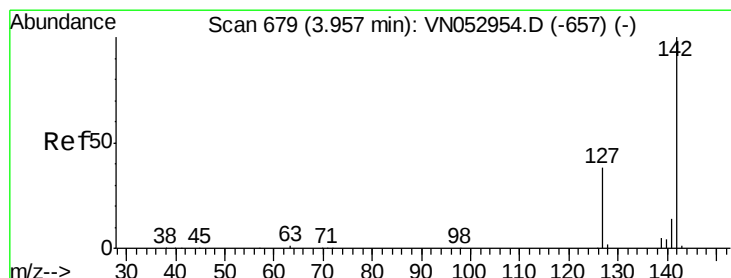
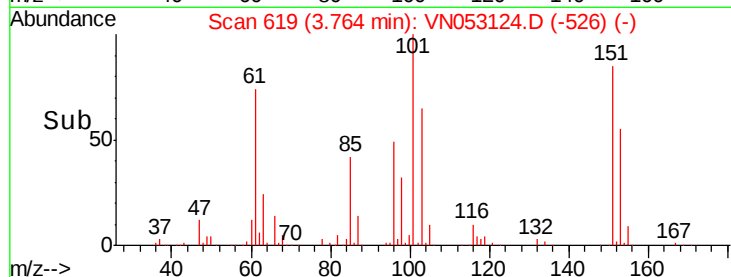
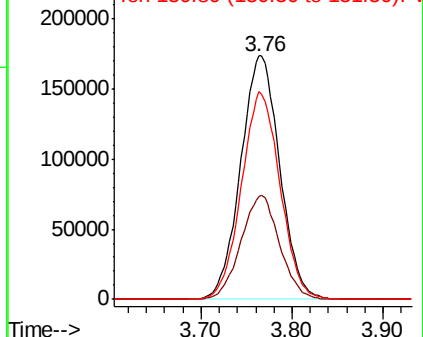
151 84.0 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.955 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

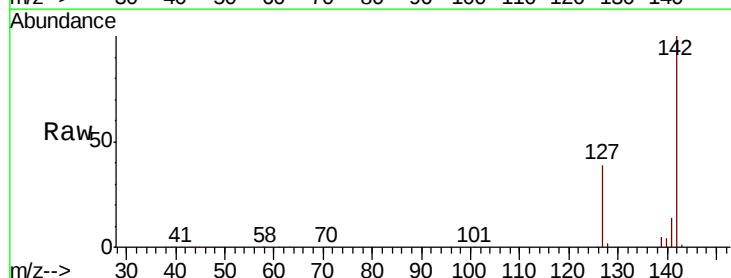
Tgt Ion:142 Resp: 685805

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.6

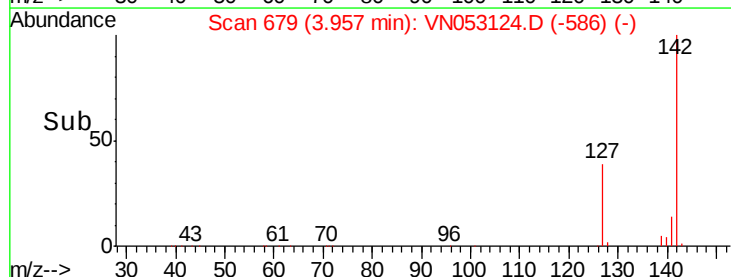
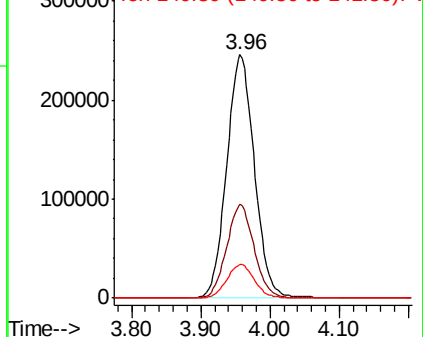
141 14.0 11.2 16.8

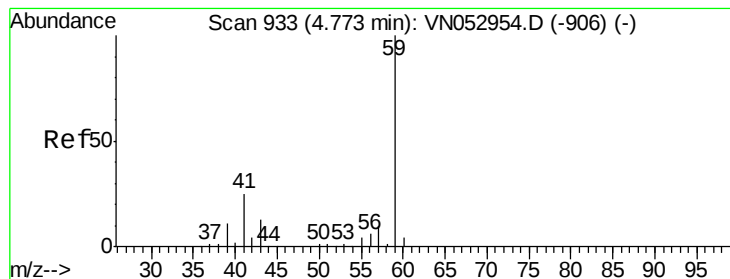


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



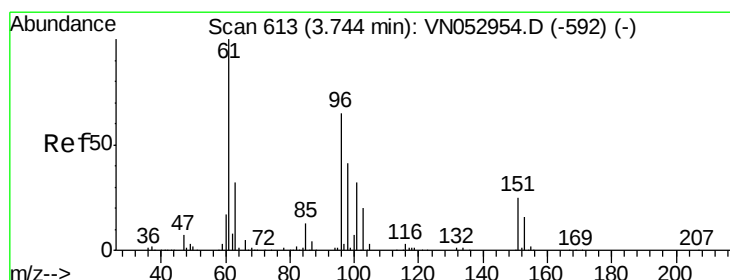
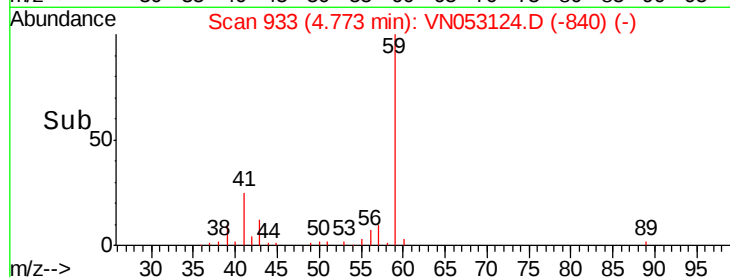
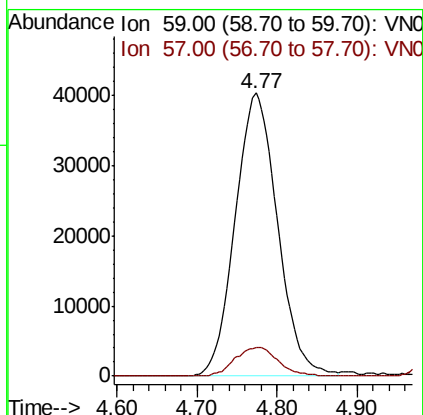
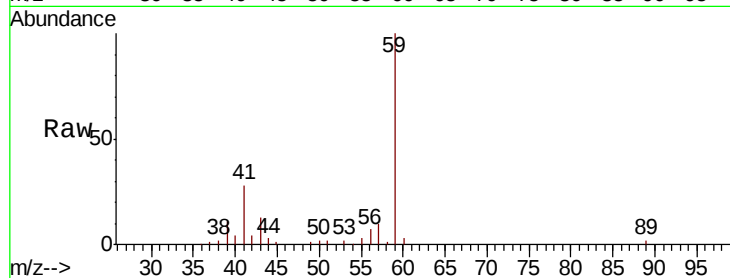


#11

Tert butyl alcohol
 Concen: 227.387 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

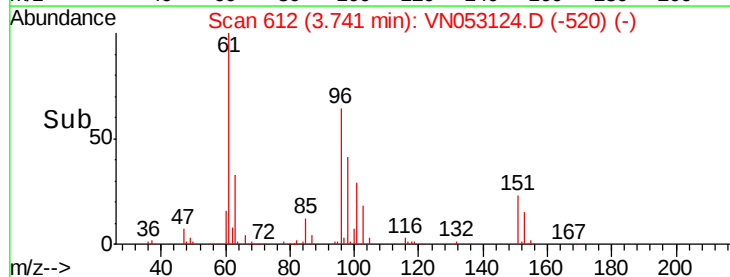
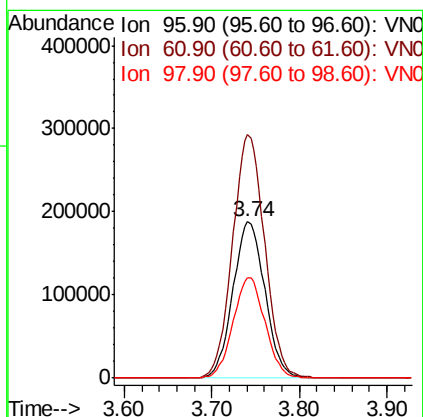
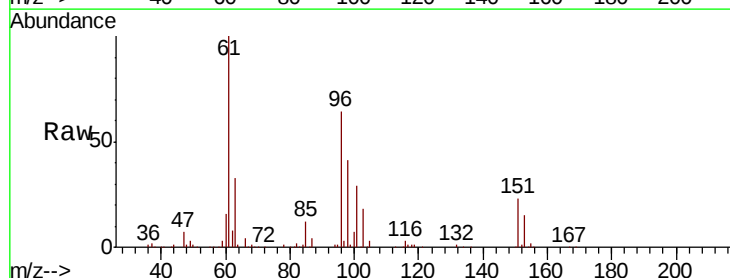
Tot Ion: 59 Resp: 145334
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.7 11.5

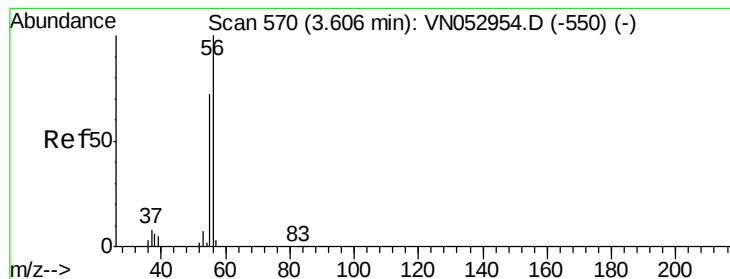


#12

1,1-Dichloroethene
 Concen: 48.662 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 96 Resp: 478760
 Ion Ratio Lower Upper
 96 100
 61 155.6 125.6 188.4
 98 64.3 50.6 75.8





#13

Acrolein

Concen: 331.614 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

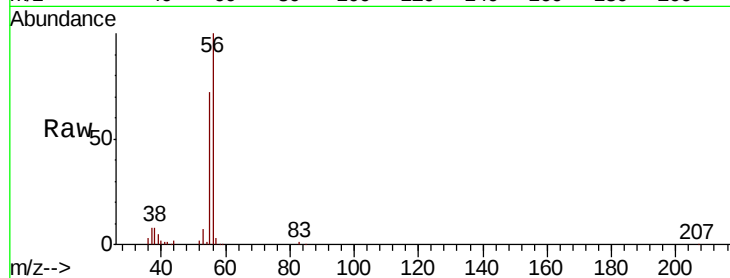
VSTDCCC050

Tot Ion: 56 Resp: 192184

Ion Ratio Lower Upper

56 100

55 70.2 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN053124.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN053124.D (-550) (-)

3.61

80000

60000

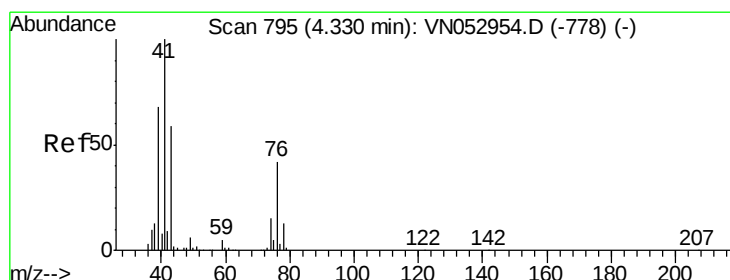
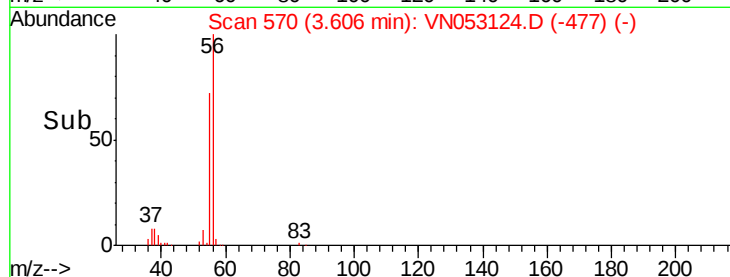
40000

20000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 52.482 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

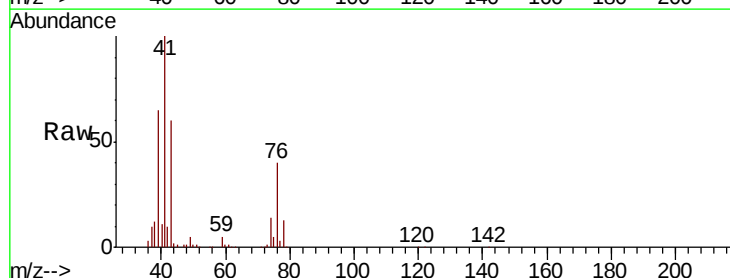
Tgt Ion: 41 Resp: 799790

Ion Ratio Lower Upper

41 100

39 62.8 54.1 81.1

76 37.0 30.3 45.5



Abundance Ion 41.00 (40.70 to 41.70): VN053124.D (-702) (-)

Ion 39.00 (38.70 to 39.70): VN053124.D (-702) (-)

Ion 75.90 (75.60 to 76.60): VN053124.D (-702) (-)

4.33

400000

300000

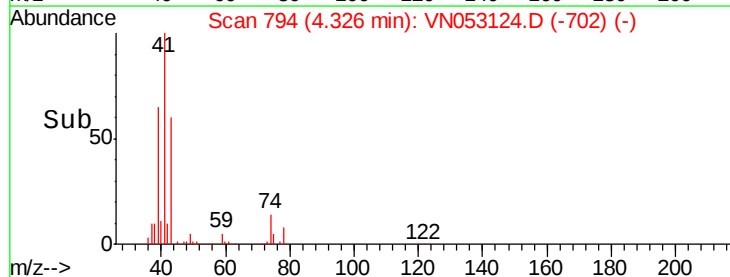
200000

100000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 238.471 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

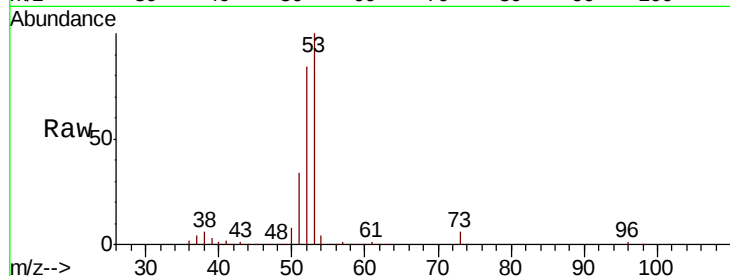
Tot Ion: 53 Resp: 846758

Ion Ratio Lower Upper

53 100

52 82.8 65.1 97.7

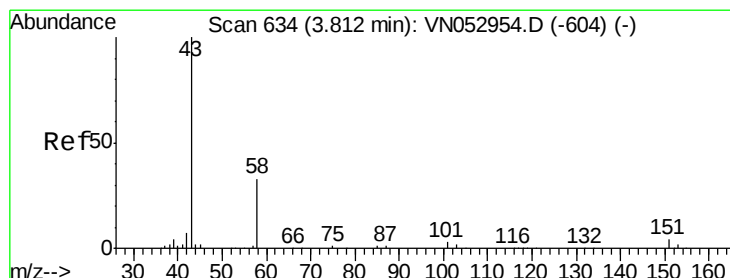
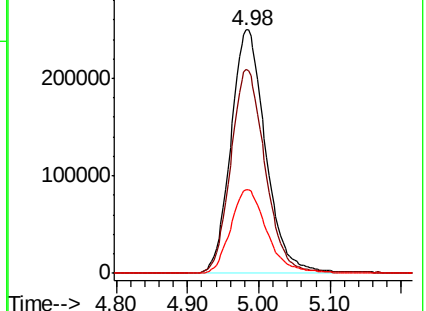
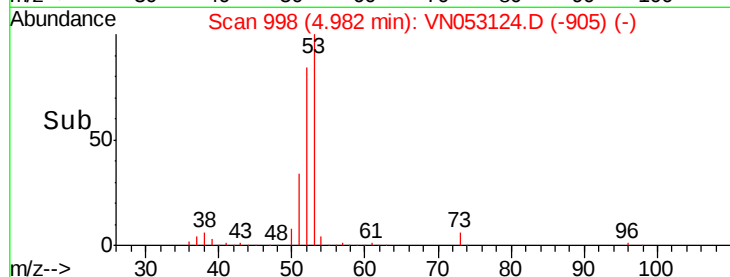
51 36.0 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053124.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053124.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053124.D (-905) (-)



#16

Acetone

Concen: 243.313 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053124.D

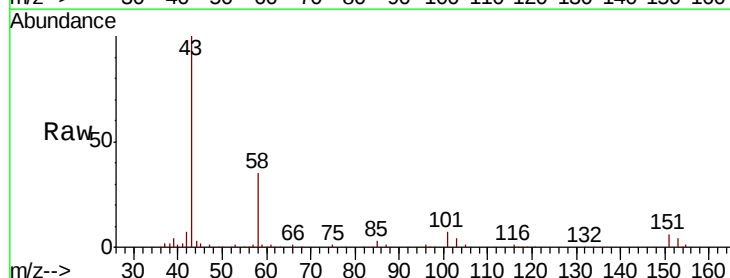
Acq: 22 Dec 2018 10:24

Tgt Ion: 43 Resp: 499724

Ion Ratio Lower Upper

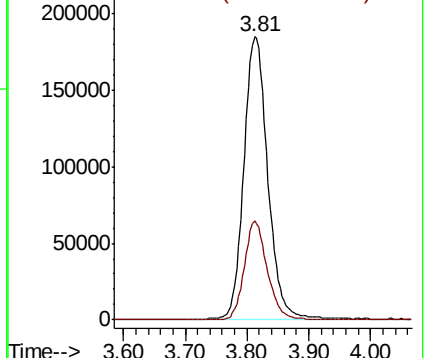
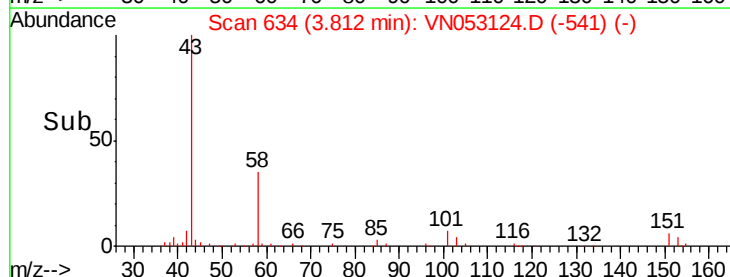
43 100

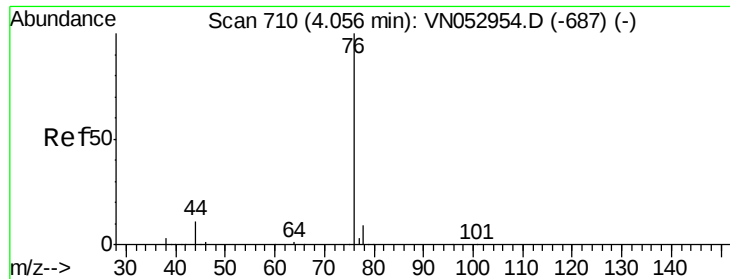
58 34.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053124.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053124.D (-541) (-)

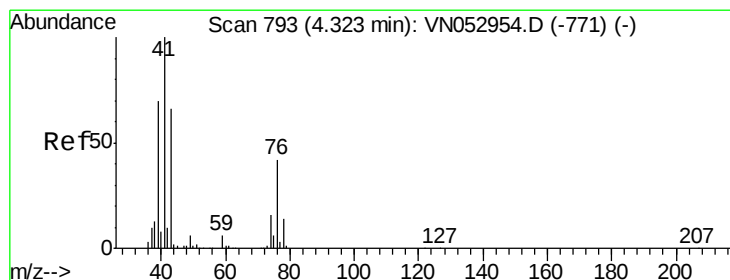
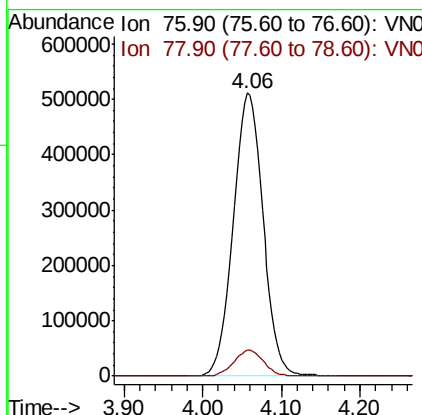
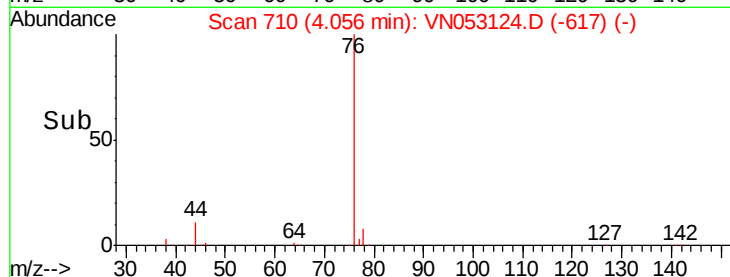
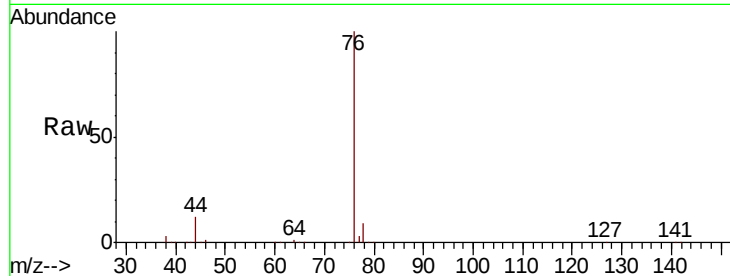




#17
Carbon Disulfide
Concen: 42.213 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

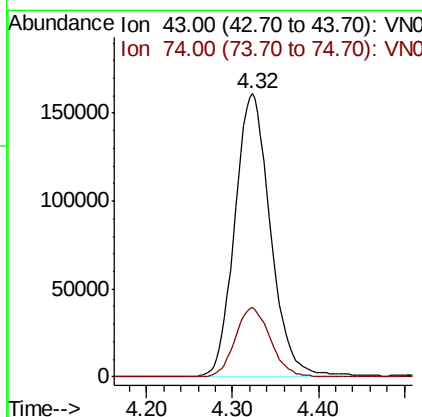
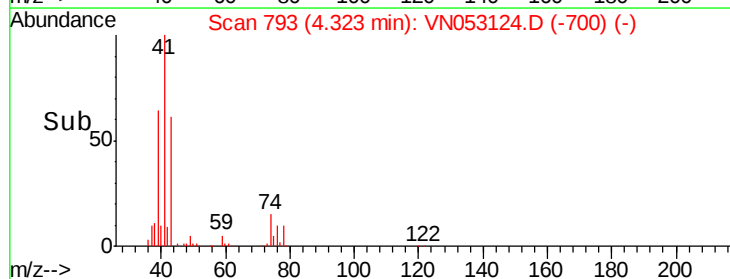
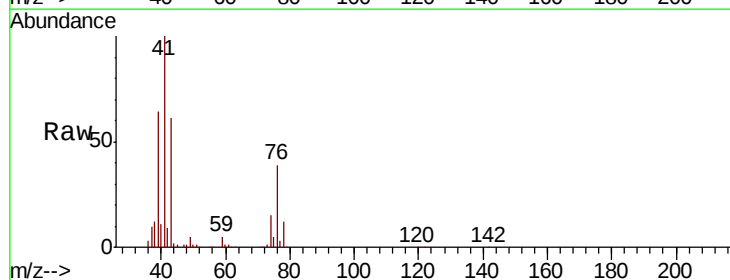
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

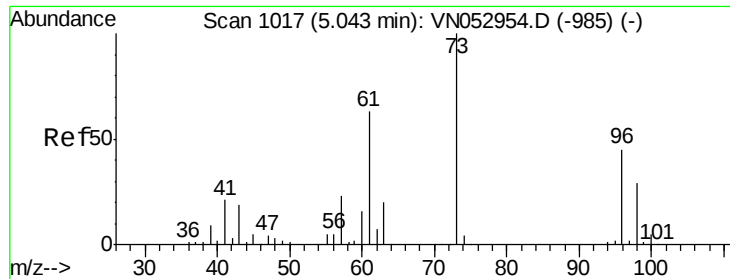
Tot Ion: 76 Resp: 1354408
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 49.477 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 43 Resp: 461117
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8

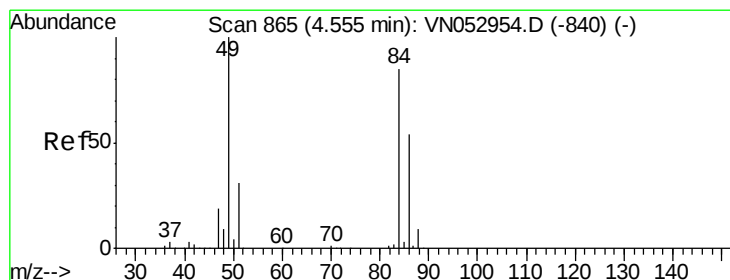
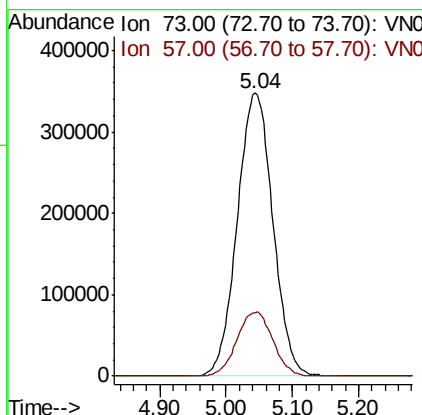
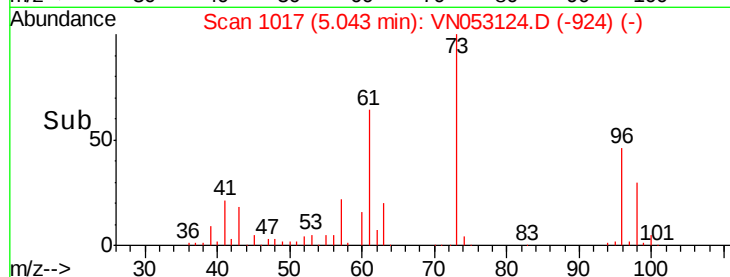
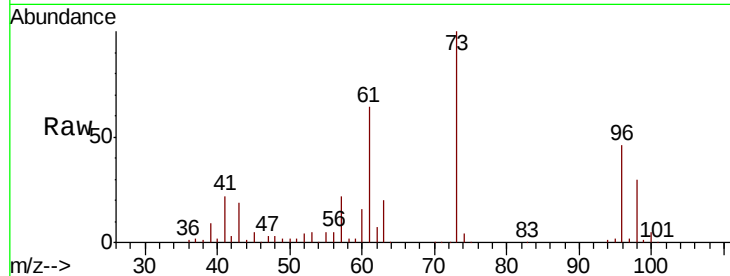




#19
Methvl tert-butvl Ether
Concen: 49.238 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

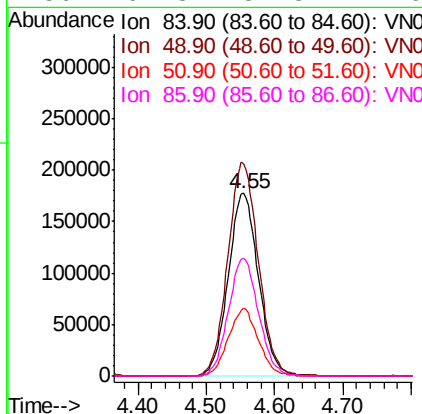
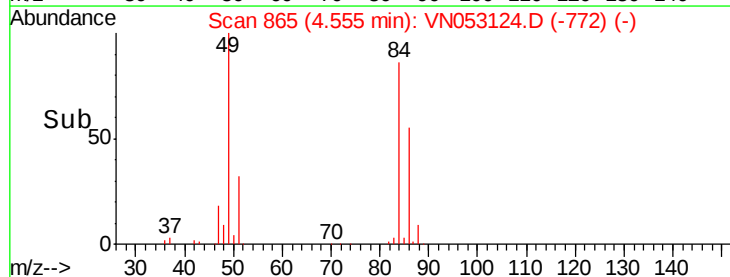
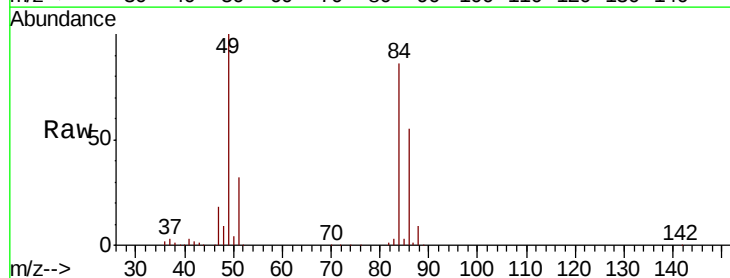
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

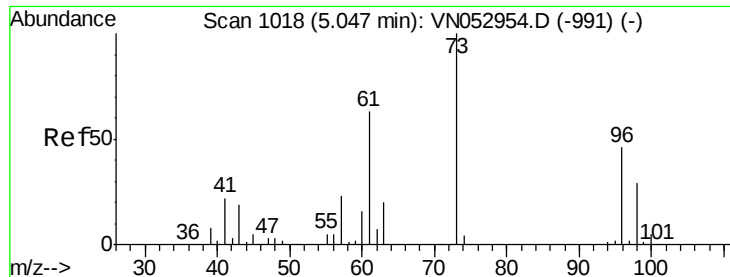
Tot Ion: 73 Resp: 1296367
Ion Ratio Lower Upper
73 100
57 22.5 18.4 27.6



#20
Methylene Chloride
Concen: 48.819 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 84 Resp: 546939
Ion Ratio Lower Upper
84 100
49 116.6 96.8 145.2
51 36.9 29.9 44.9
86 64.3 51.8 77.6

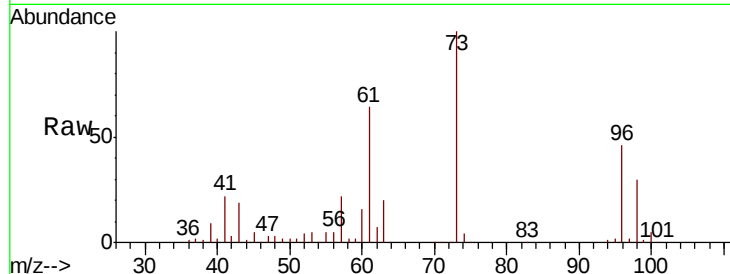




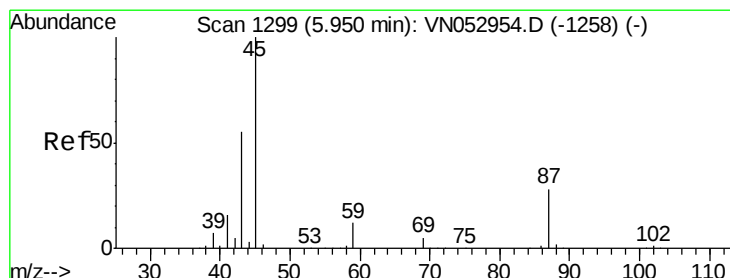
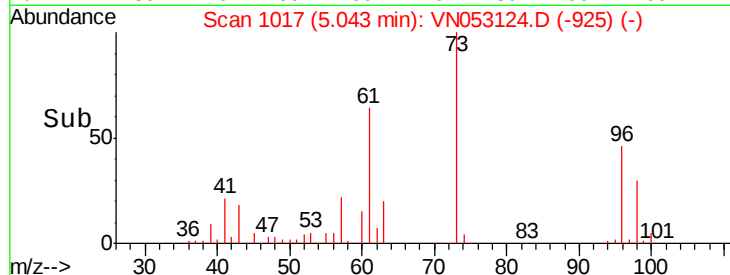
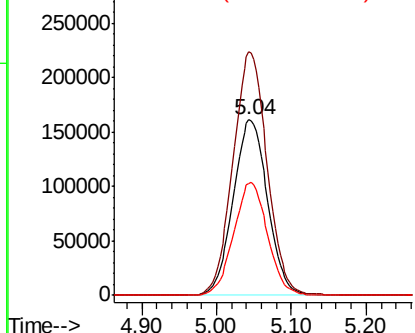
#21
trans-1,2-Dichloroethene
Concen: 48.841 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 516276
Ion Ratio Lower Upper
96 100
61 138.8 110.8 166.2
98 64.0 51.4 77.2

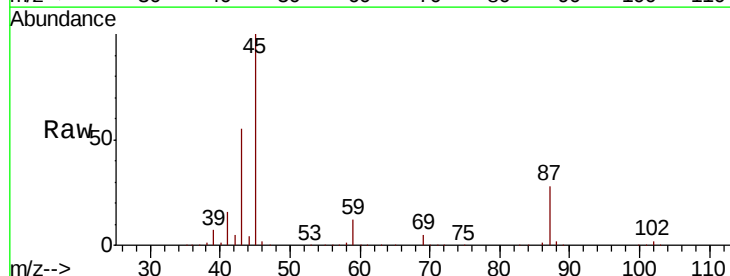


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

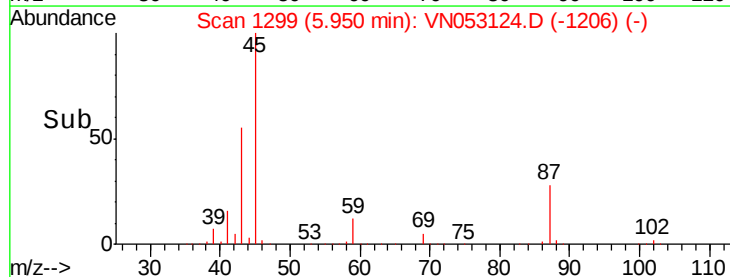
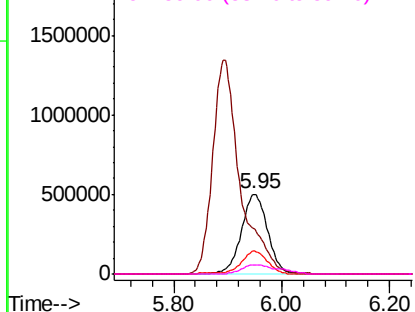


#22
Diisopropyl ether
Concen: 52.027 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 45 Resp: 1692375
Ion Ratio Lower Upper
45 100
43 54.8 45.5 68.3
87 28.3 22.0 33.0
59 11.9 9.4 14.0



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

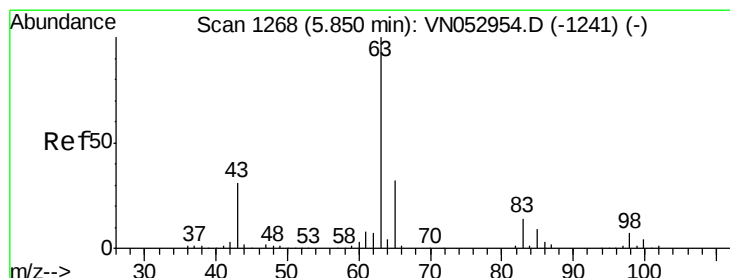
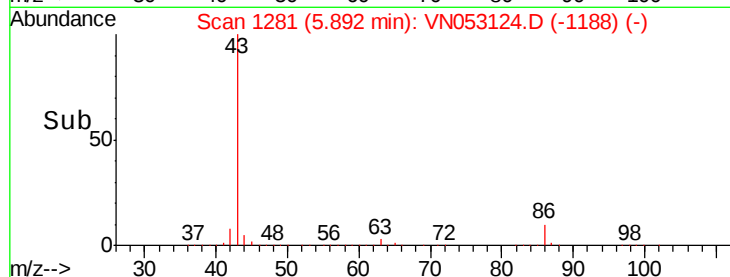
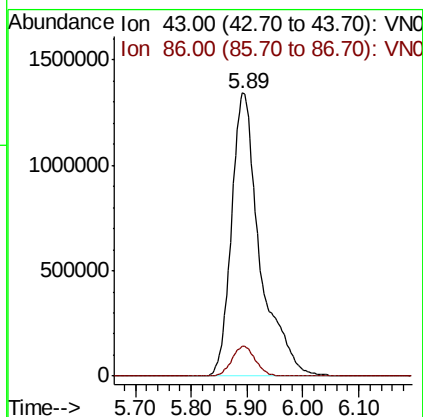
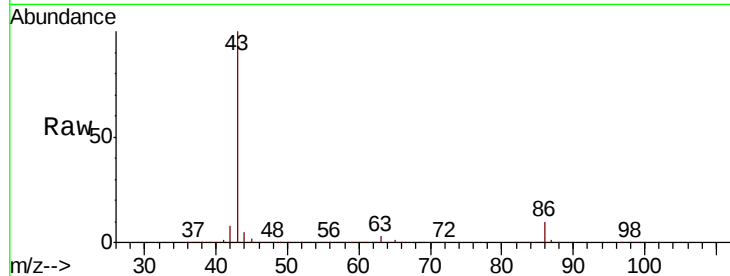




#23
 Vinyl Acetate
 Concen: 254.302 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

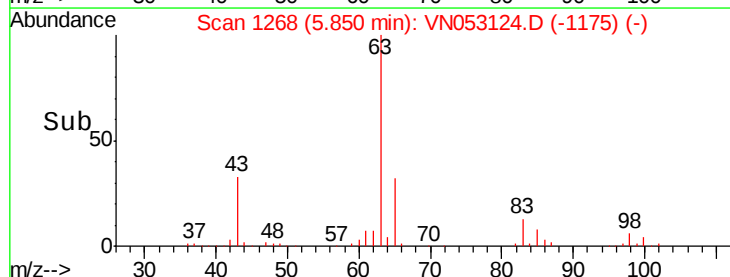
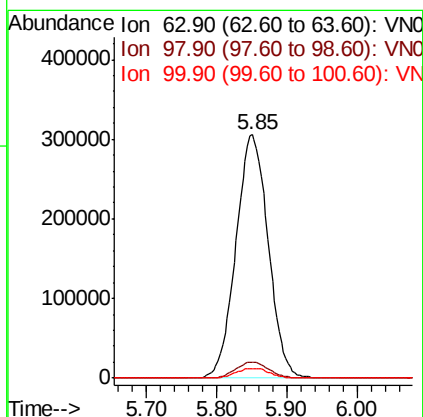
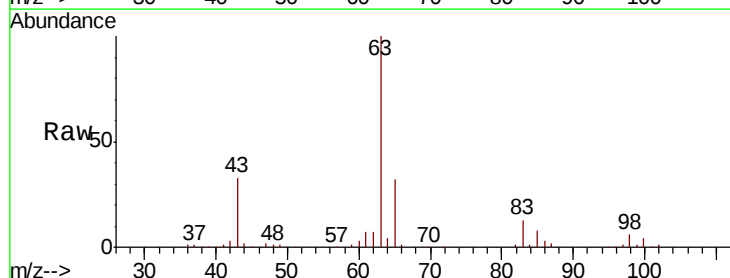
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

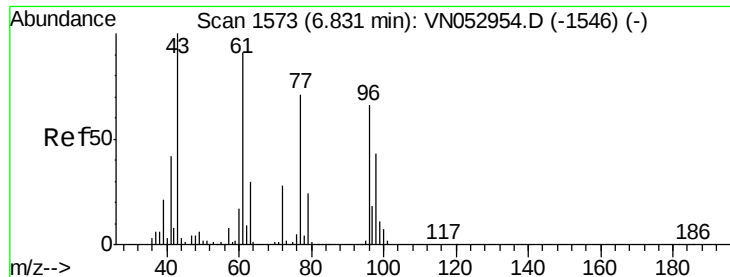
Tot Ion: 43 Resp: 4756715
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 50.443 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 63 Resp: 975042
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.1 9.4
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 253.790 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

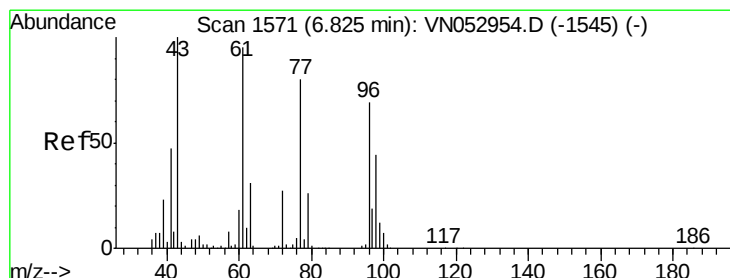
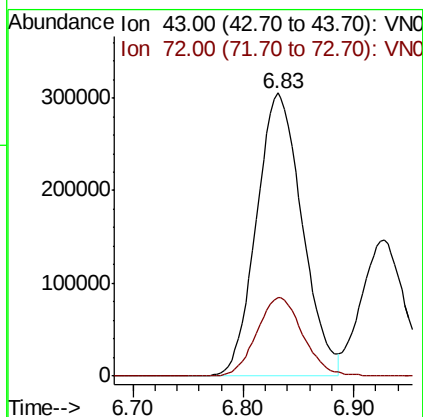
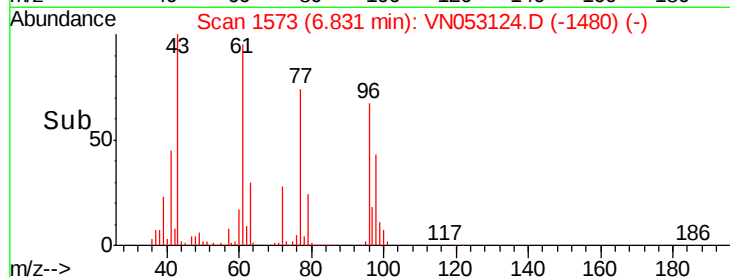
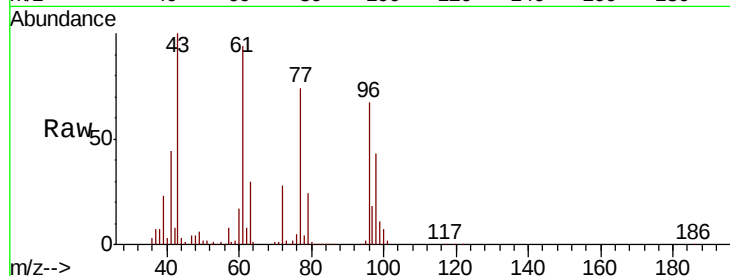
VSTDCCC050

Tot Ion: 43 Resp: 874772

Ion Ratio Lower Upper

43 100

72 27.9 21.0 31.6



#26

2,2-Dichloropropane

Concen: 49.997 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053124.D

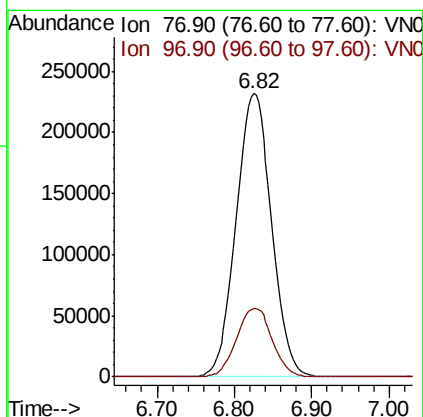
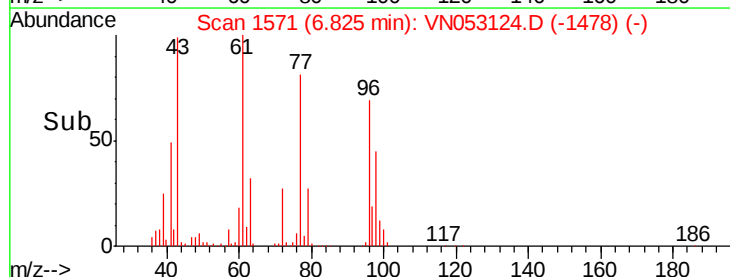
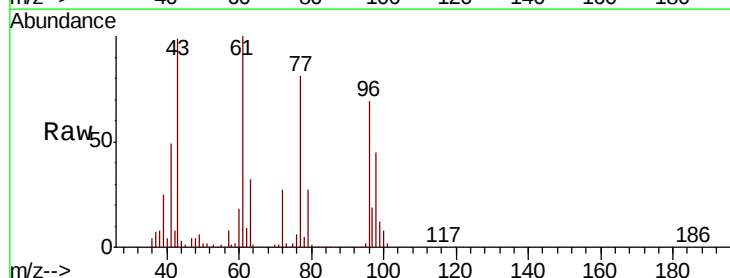
Acq: 22 Dec 2018 10:24

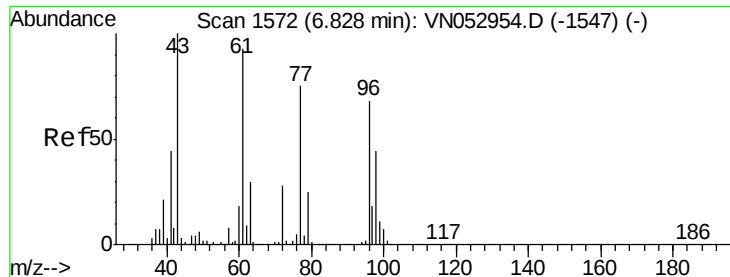
Tgt Ion: 77 Resp: 737729

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.062 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

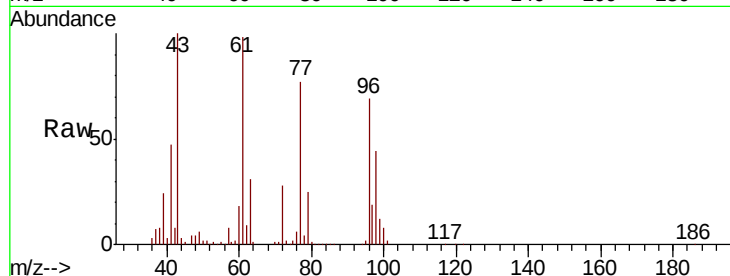
Tot Ion: 96 Resp: 599096

Ion Ratio Lower Upper

96 100

61 142.9 0.0 284.2

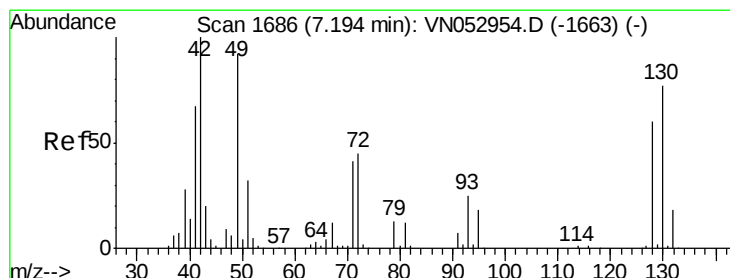
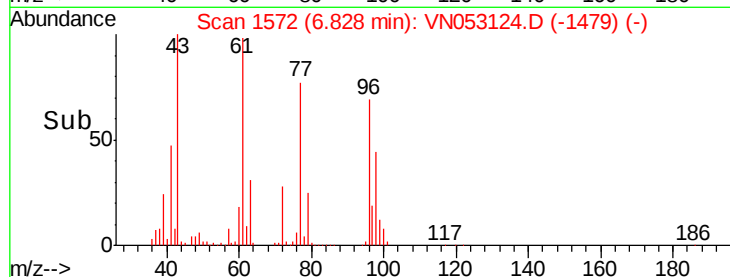
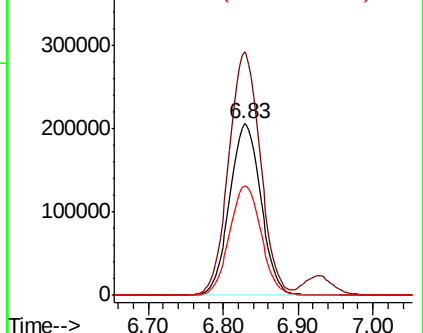
98 64.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053124.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053124.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053124.D (-1479) (-)



#28

Bromochloromethane

Concen: 51.100 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

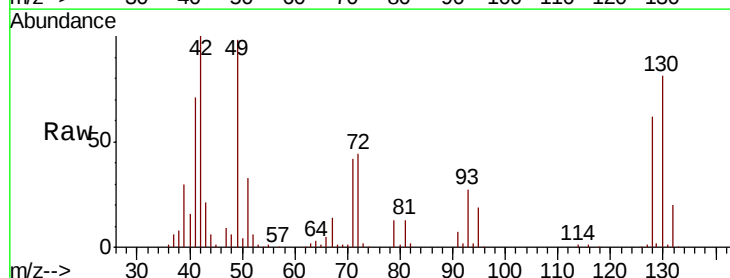
Tgt Ion: 49 Resp: 428008

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

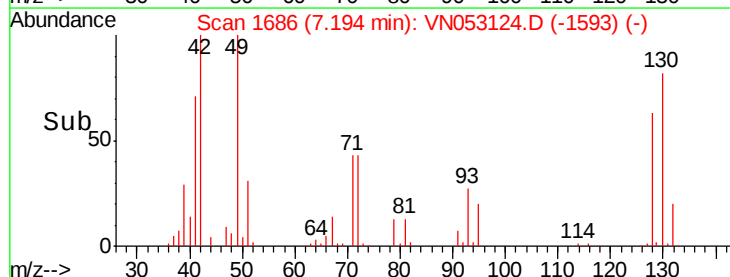
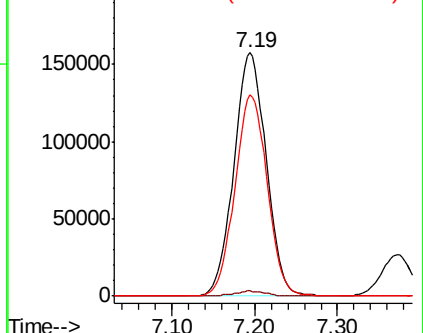
130 82.6 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN053124.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053124.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053124.D (-1593) (-)

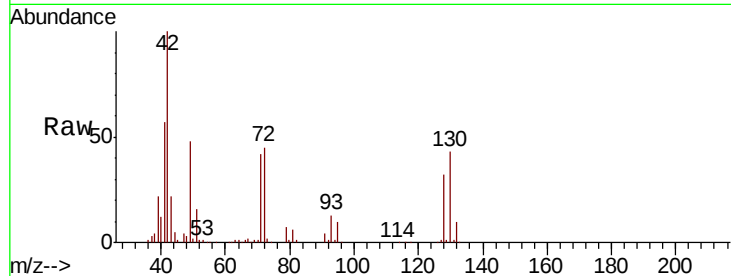




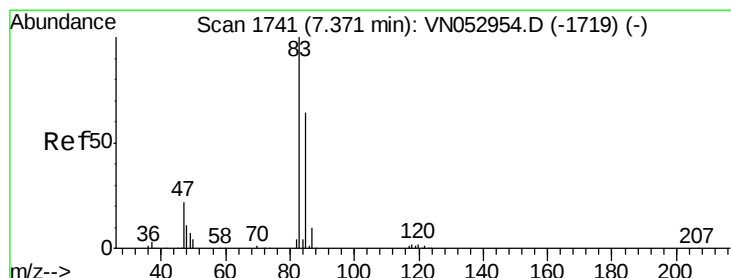
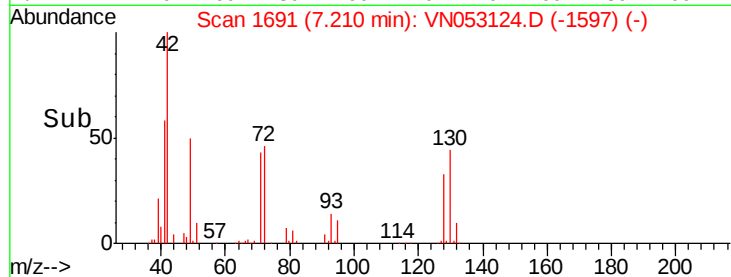
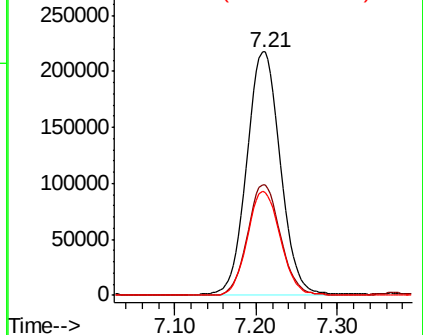
#29
Tetrahydrofuran
Concen: 239.934 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 617671
Ion Ratio Lower Upper
42 100
72 44.6 34.7 52.1
71 42.0 32.3 48.5

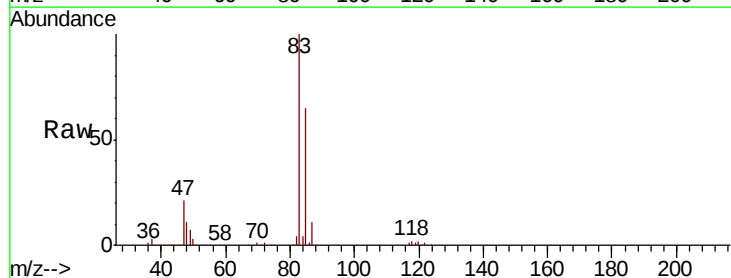


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

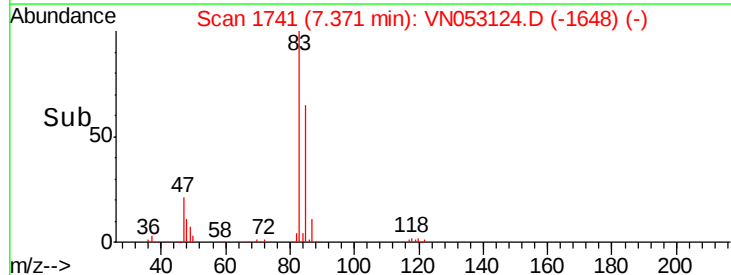
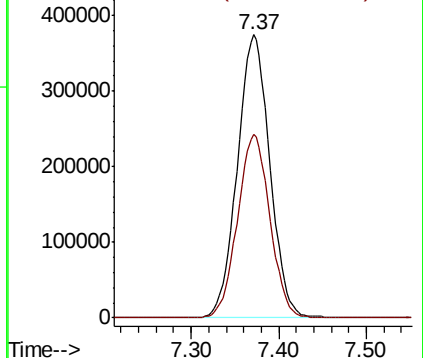


#30
Chloroform
Concen: 50.778 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 83 Resp: 964180
Ion Ratio Lower Upper
83 100
85 65.0 52.1 78.1



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





#31

Cyclohexane

Concen: 50.477 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

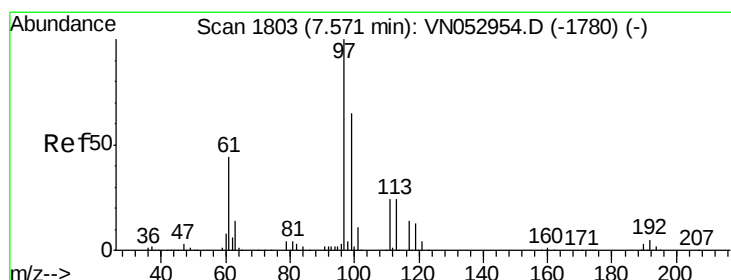
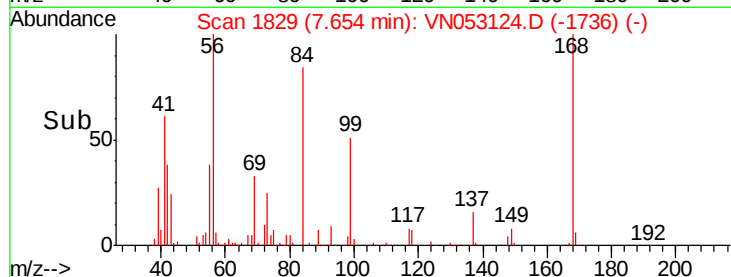
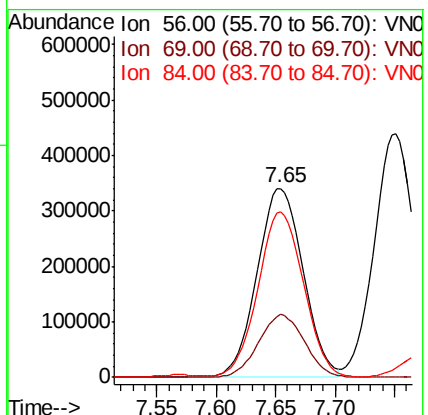
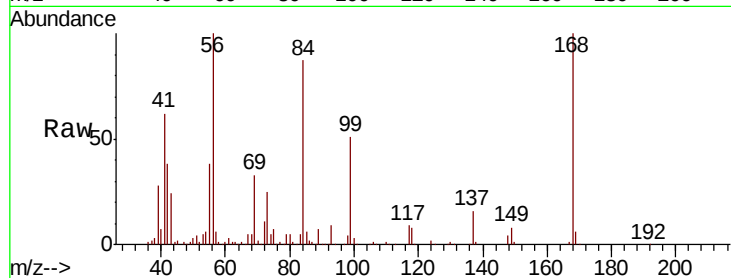
Tot Ion: 56 Resp: 914904

Ion Ratio Lower Upper

56 100

69 33.2 26.6 39.8

84 86.2 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 48.806 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

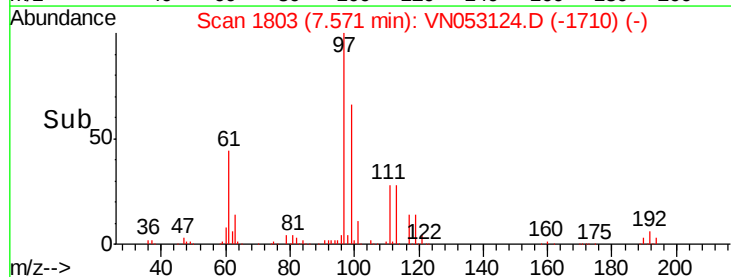
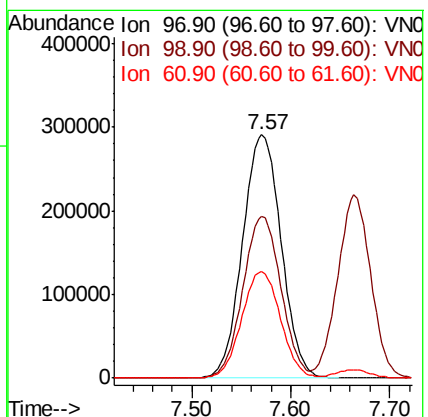
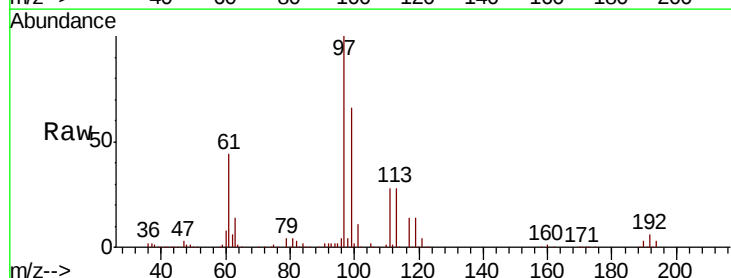
Tgt Ion: 97 Resp: 789469

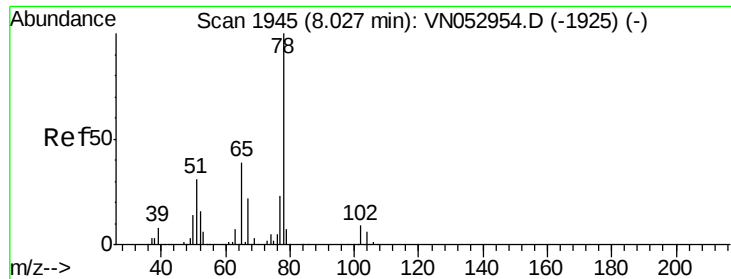
Ion Ratio Lower Upper

97 100

99 65.6 51.1 76.7

61 44.1 35.0 52.6

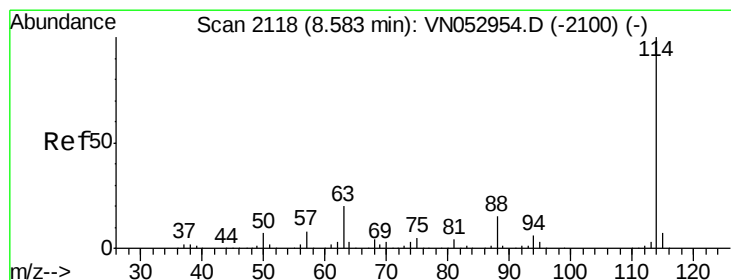
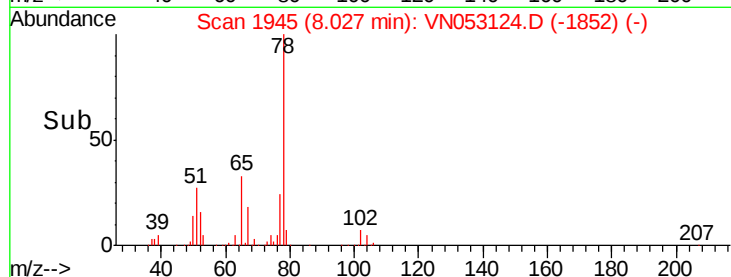
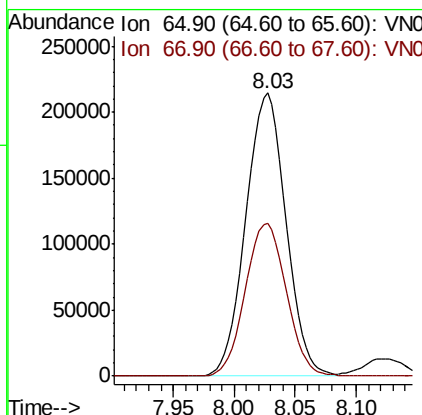
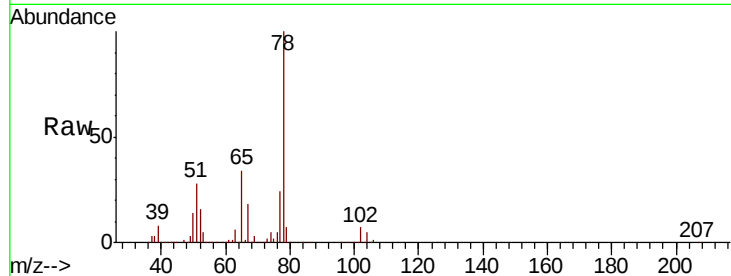




#33
 1,2-Dichloroethane-d4
 Concen: 48.806 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

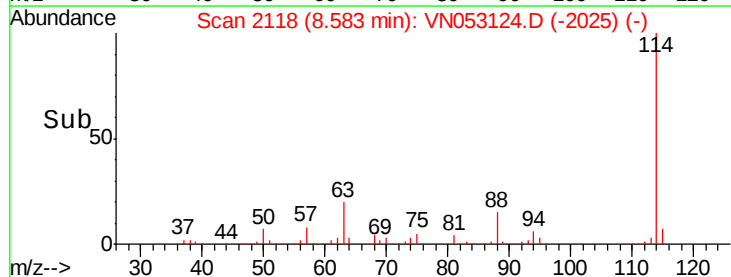
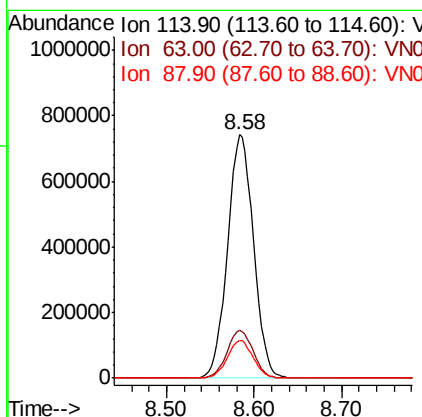
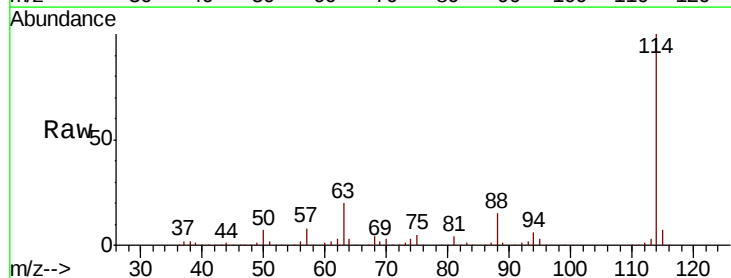
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

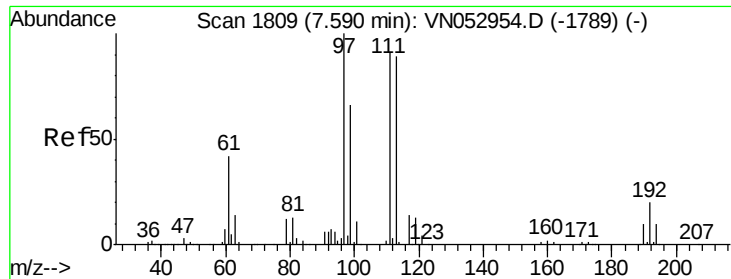
Tot Ion: 65 Resp: 488697
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 114 Resp: 1529299
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0

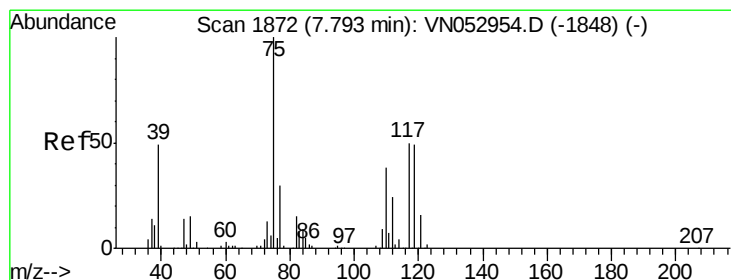
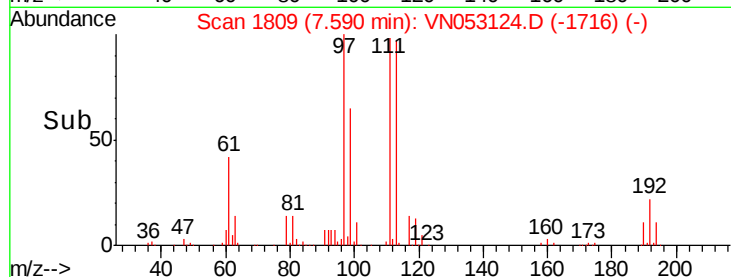
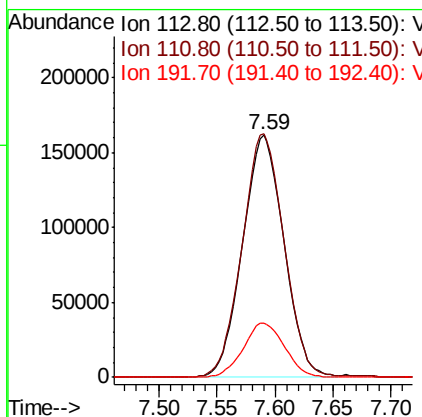
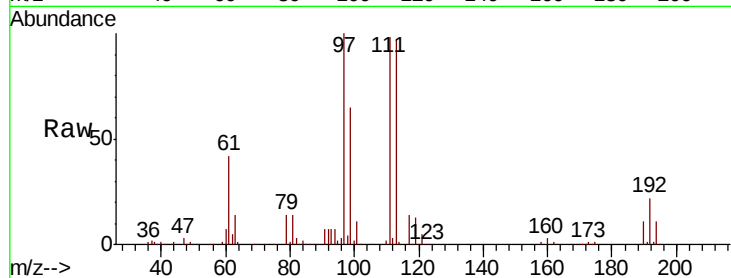




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

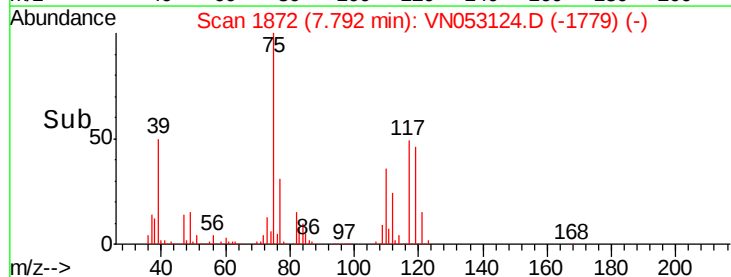
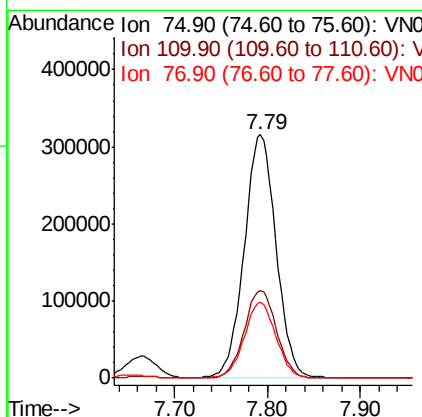
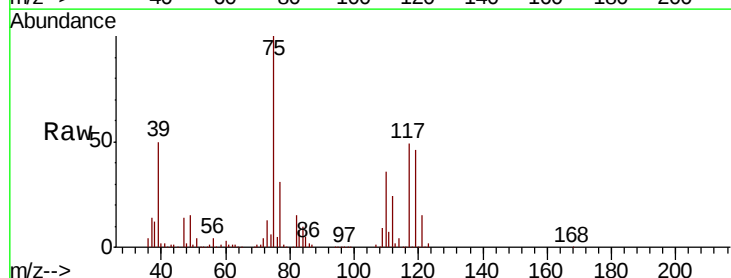
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

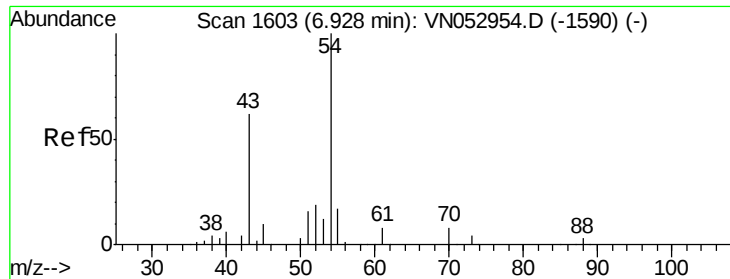
Tot Ion:113 Resp: 402160
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.0 124.4
 192 22.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 51.020 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 75 Resp: 748907
 Ion Ratio Lower Upper
 75 100
 110 36.7 18.2 54.6
 77 31.2 24.9 37.3

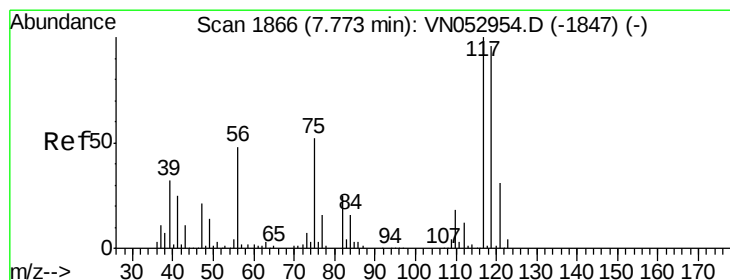
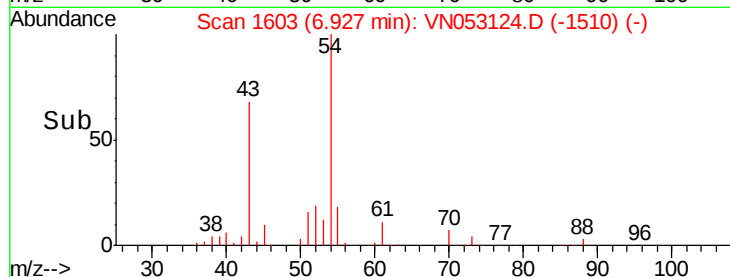
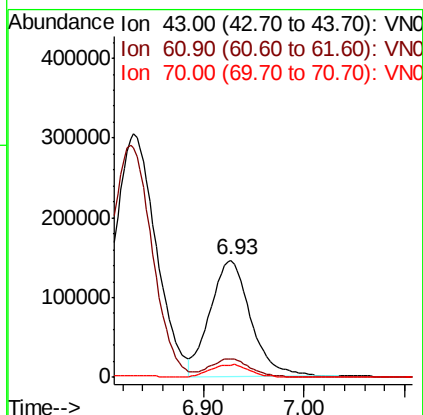
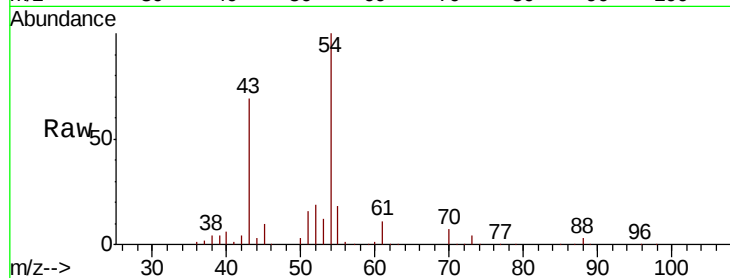




#37
Ethyl Acetate
Concen: 49.985 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

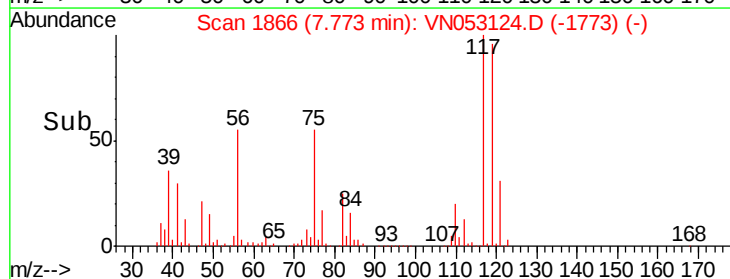
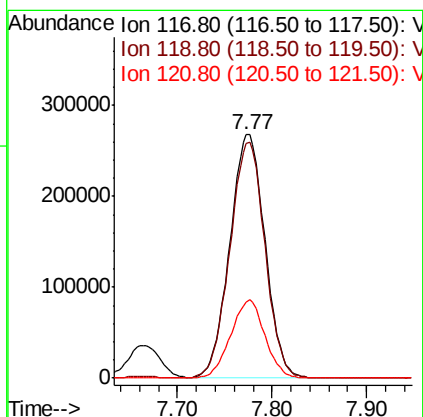
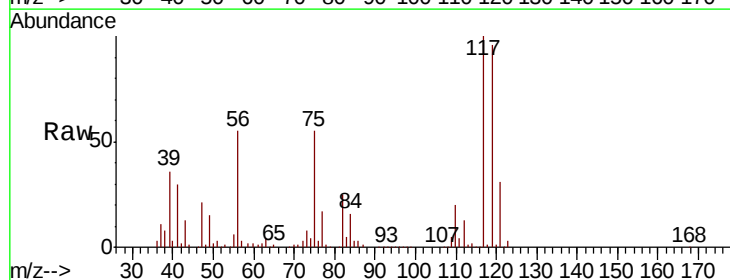
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 409593
Ion Ratio Lower Upper
43 100
61 15.7 11.8 17.6
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 51.352 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 117 Resp: 690899
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7
121 31.2 24.9 37.3

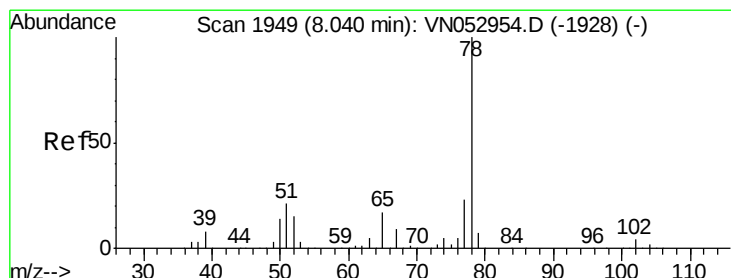
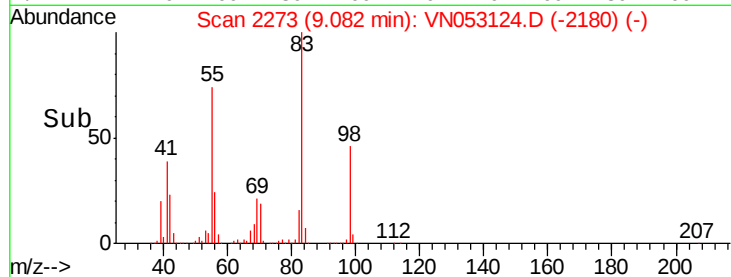
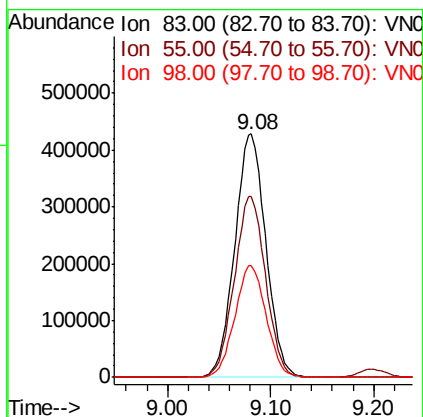
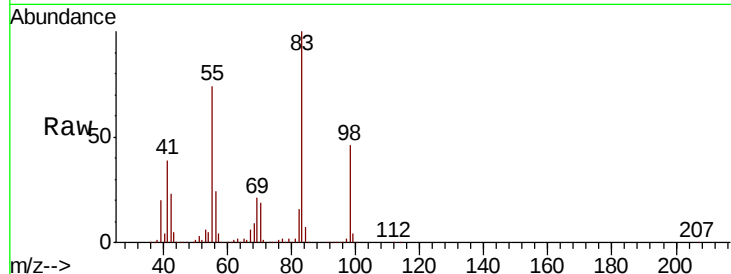




#39
Methvlcvclohexane
Concen: 50.450 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

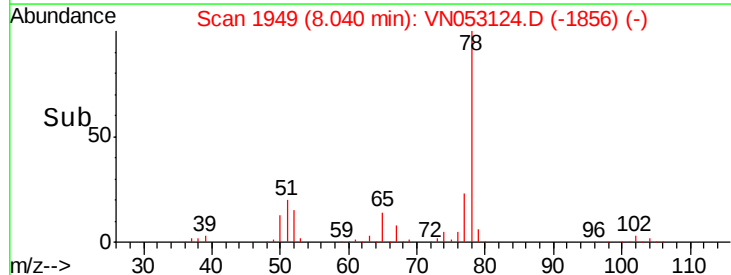
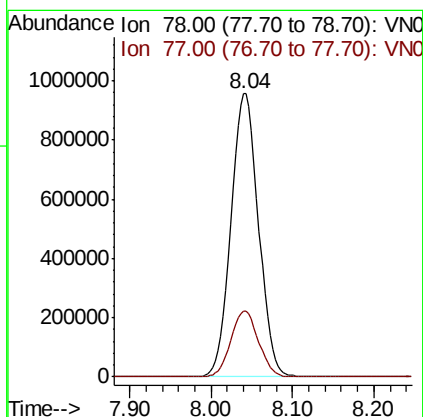
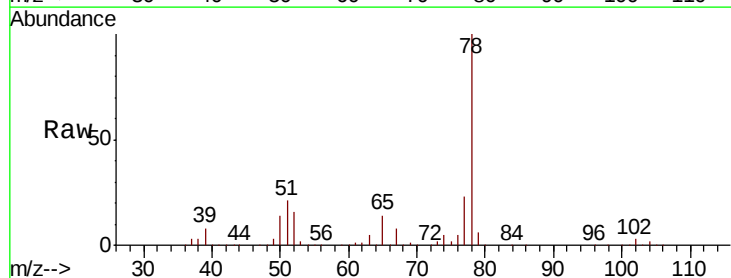
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

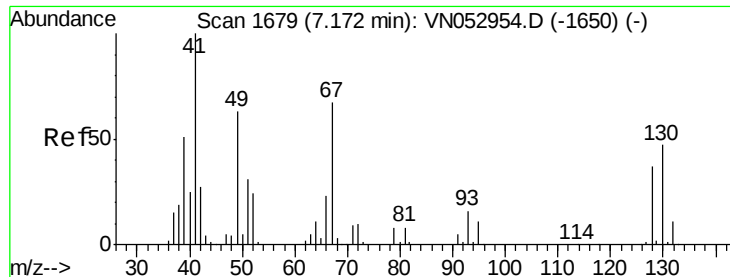
Tot Ion: 83 Resp: 899610
Ion Ratio Lower Upper
83 100
55 74.3 61.3 91.9
98 45.8 37.0 55.4



#40
Benzene
Concen: 51.658 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 78 Resp: 2255444
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7

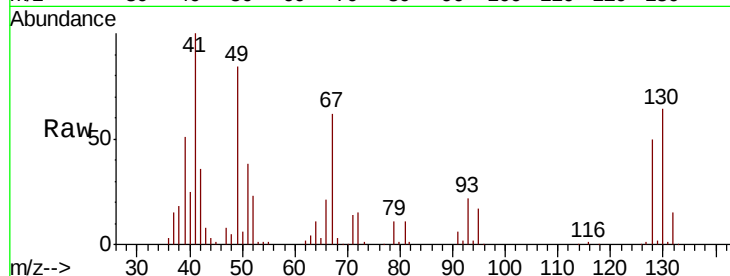




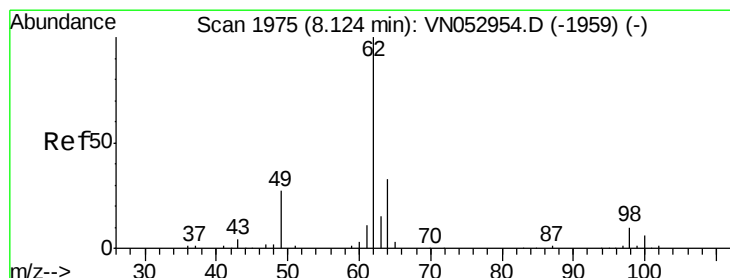
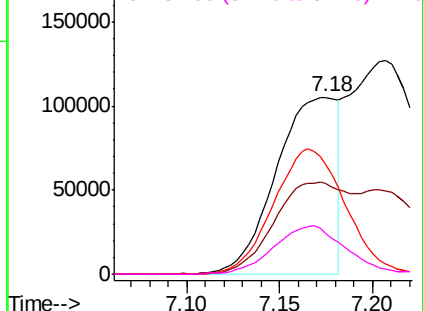
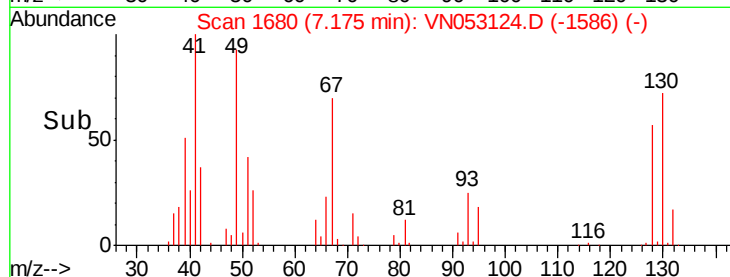
#41
Methacrylonitrile
Concen: 50.944 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 241198
Ion Ratio Lower Upper
41 100
39 63.7 48.0 72.0
67 84.2 70.3 105.5
52 32.8 26.9 40.3

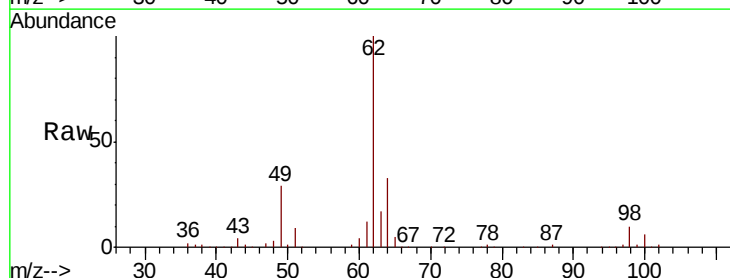


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

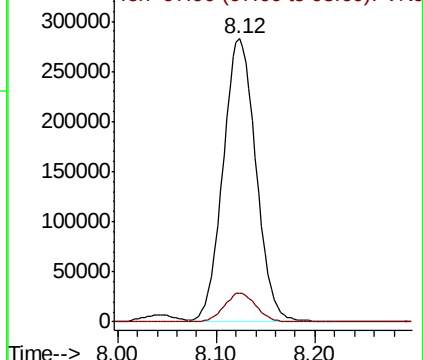
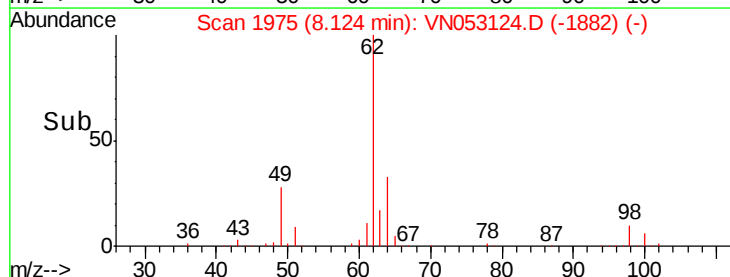


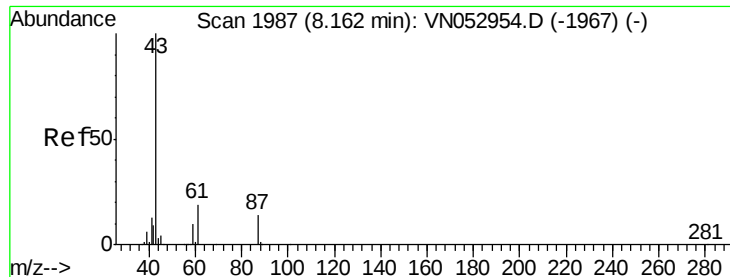
#42
1,2-Dichloroethane
Concen: 50.904 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 62 Resp: 656579
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 47.882 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

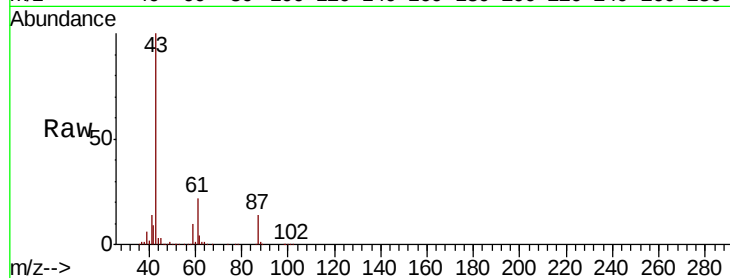
Tot Ion: 43 Resp: 759992

Ion Ratio Lower Upper

43 100

61 30.9 22.9 34.3

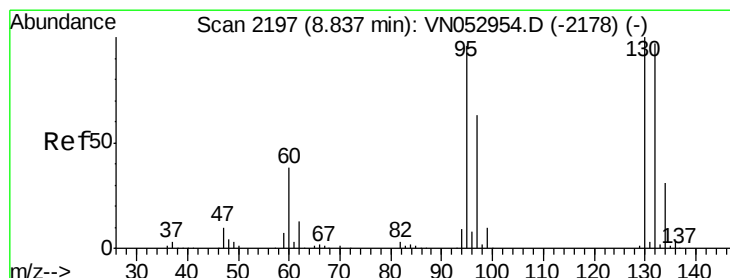
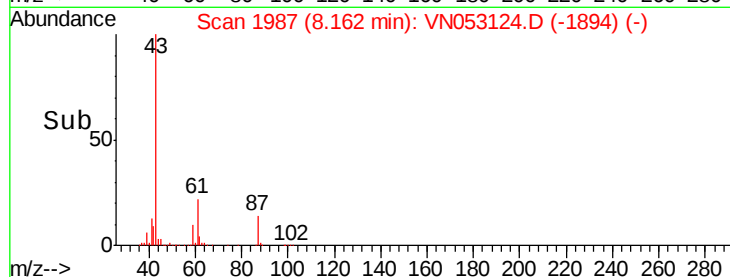
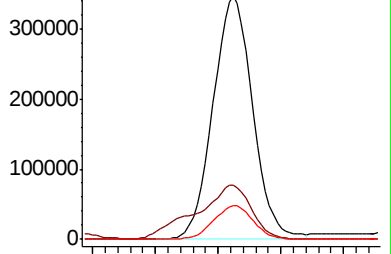
87 14.0 10.6 15.8



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) (-)



#44

Trichloroethene

Concen: 49.258 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053124.D

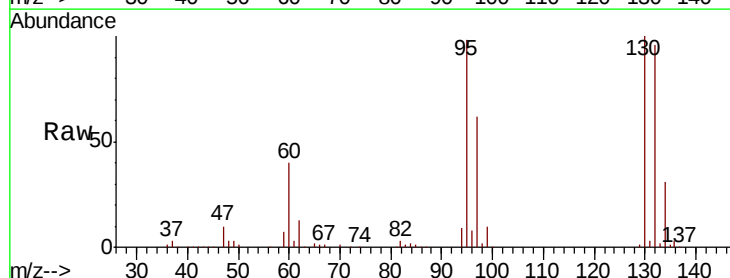
Acq: 22 Dec 2018 10:24

Tgt Ion: 130 Resp: 622054

Ion Ratio Lower Upper

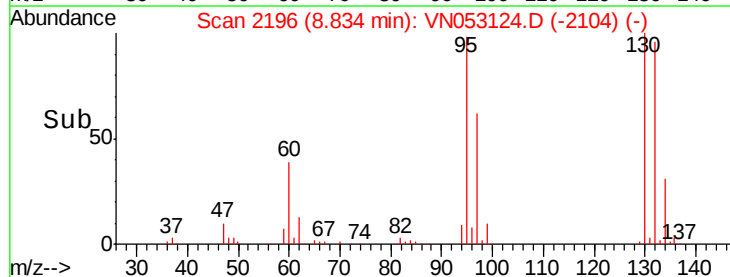
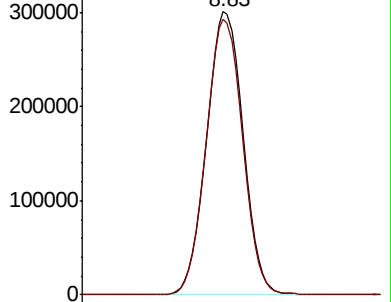
130 100

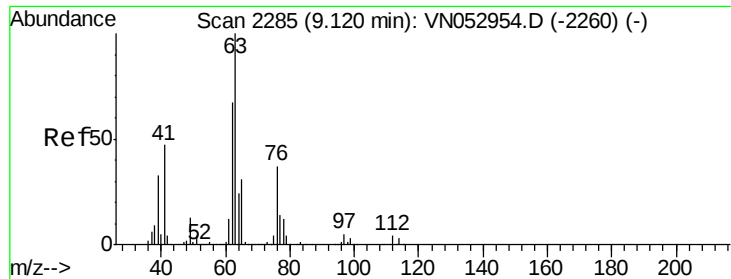
95 97.6 0.0 197.8



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

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





#45

1,2-Dichloropropane

Concen: 52.925 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

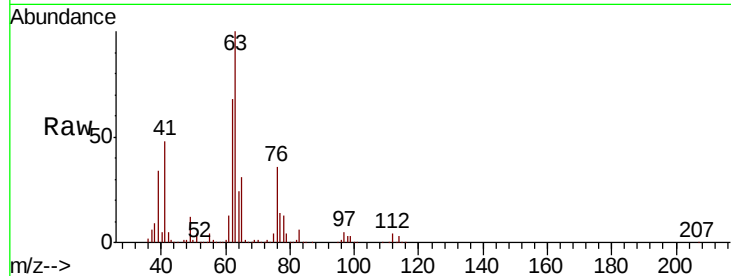
VSTDCCC050

Tot Ion: 63 Resp: 601890

Ion Ratio Lower Upper

63 100

65 31.5 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

300000

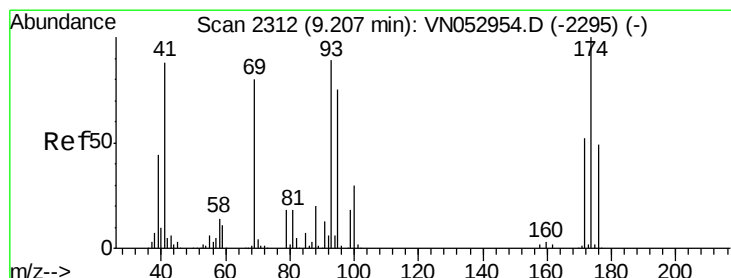
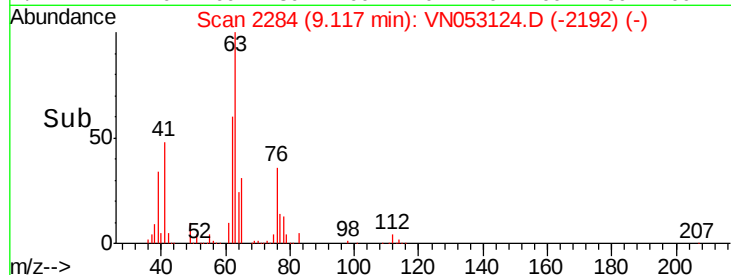
200000

100000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.947 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

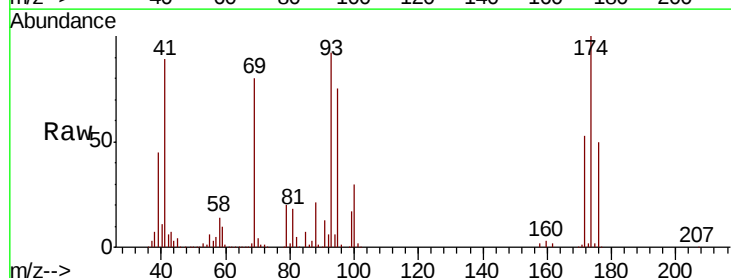
Tgt Ion: 93 Resp: 337525

Ion Ratio Lower Upper

93 100

95 82.7 67.8 101.6

174 111.2 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

250000

200000

150000

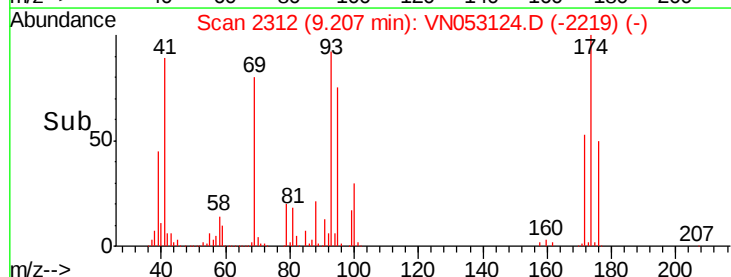
100000

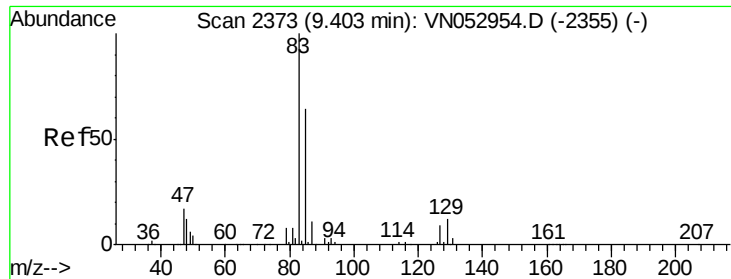
50000

0

Time-->

9.10 9.20 9.30

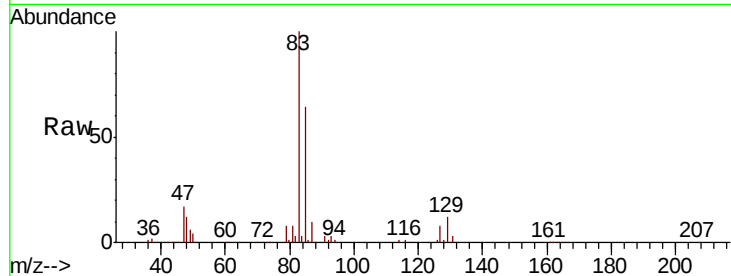




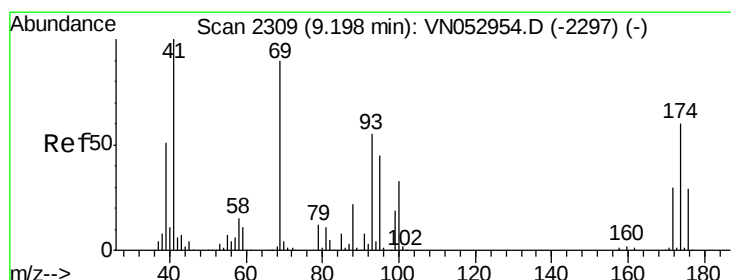
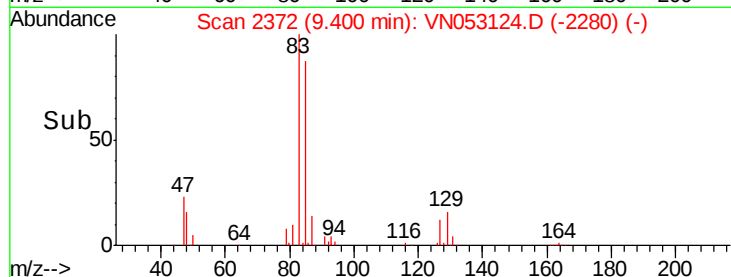
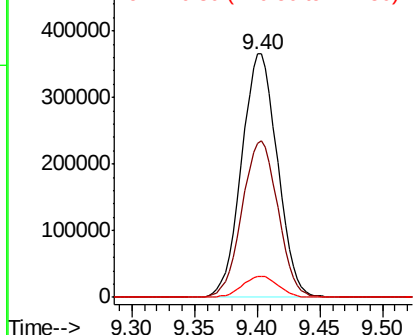
#47
Bromodichloromethane
Concen: 51.716 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 728298
Ion Ratio Lower Upper
83 100
85 63.5 51.6 77.4
127 8.5 7.1 10.7

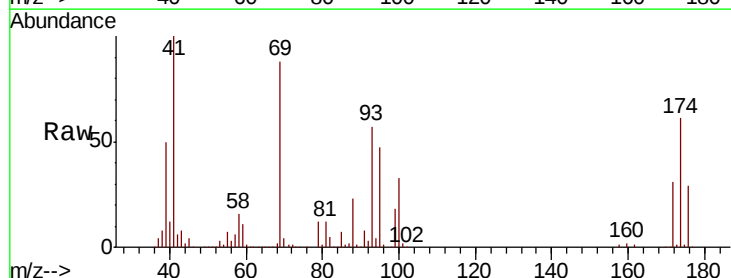


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

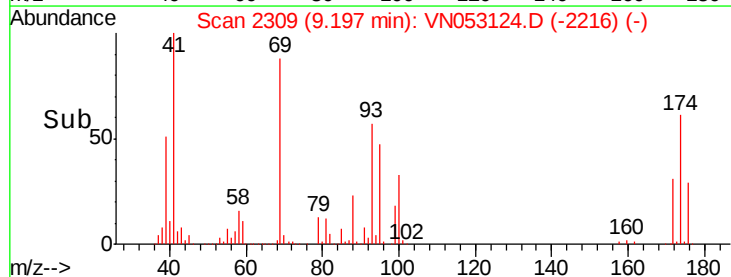
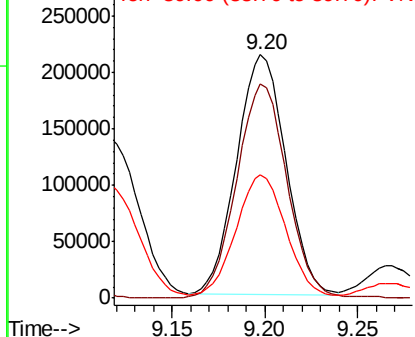


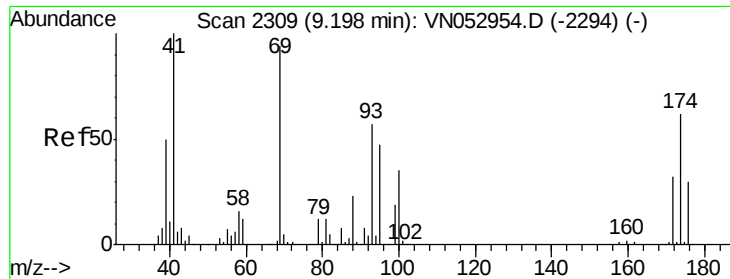
#48
Methyl methacrylate
Concen: 49.462 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 41 Resp: 393296
Ion Ratio Lower Upper
41 100
69 91.9 72.2 108.2
39 52.7 41.9 62.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 983.154 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

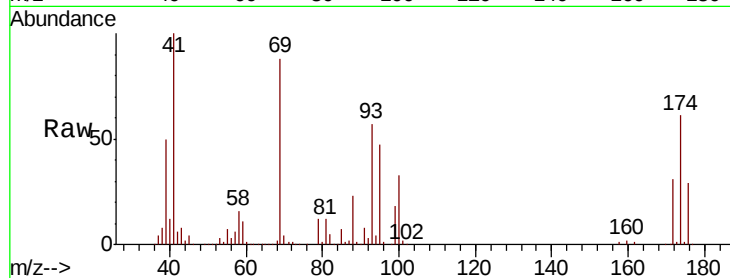
Tot Ion: 88 Resp: 98889

Ion	Ratio	Lower	Upper
88	100		
43	31.9	26.6	40.0
58	68.2	58.4	87.6

88 100

43 31.9 26.6 40.0

58 68.2 58.4 87.6

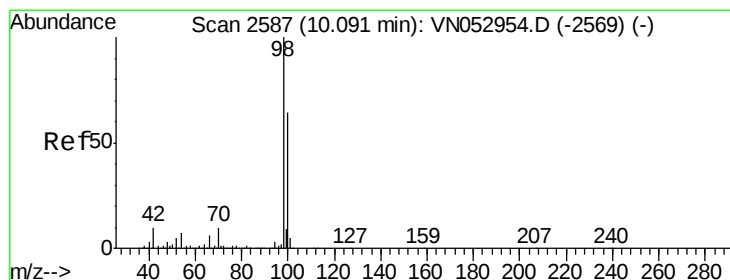
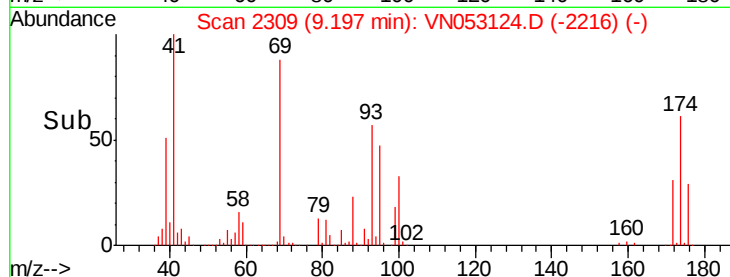
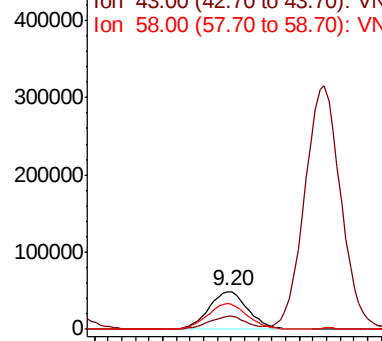


Abundance

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: 983.154 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053124.D

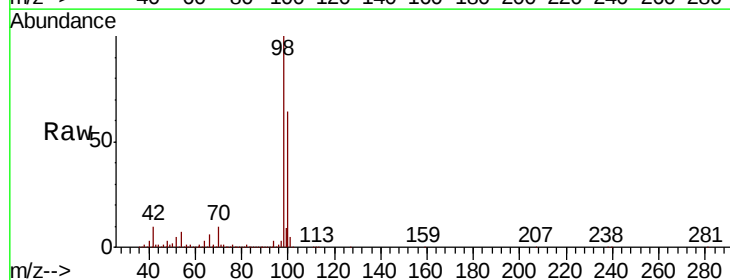
Acq: 22 Dec 2018 10:24

Tgt Ion: 98 Resp: 1792862

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.6	77.4

98 100

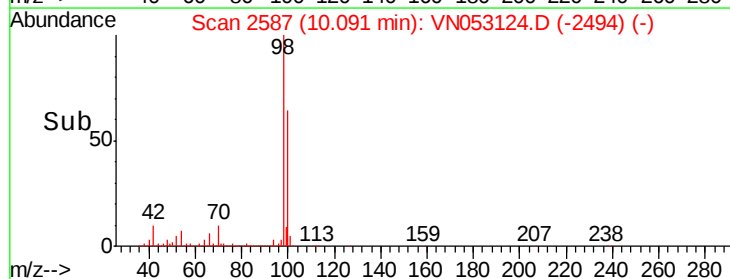
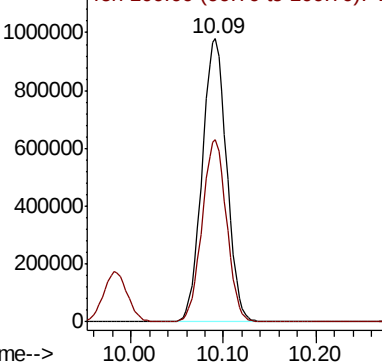
100 64.2 51.6 77.4

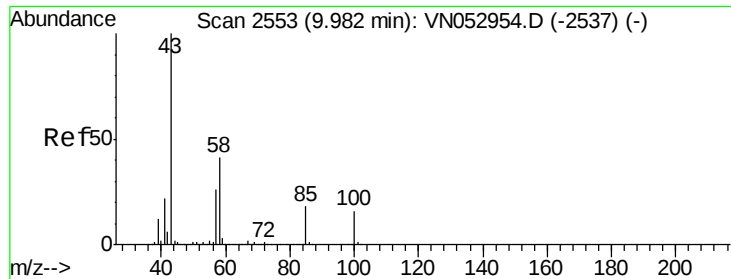


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 254.016 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

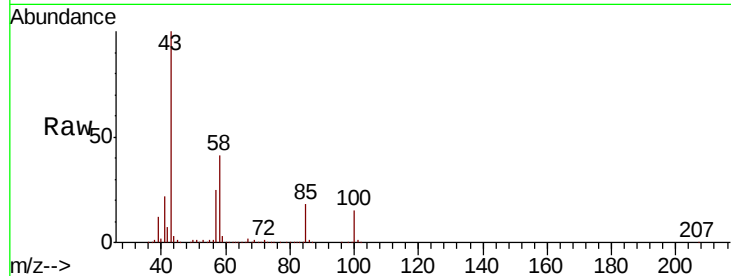
VSTDCCC050

Tot Ion: 43 Resp: 2015762

Ion Ratio Lower Upper

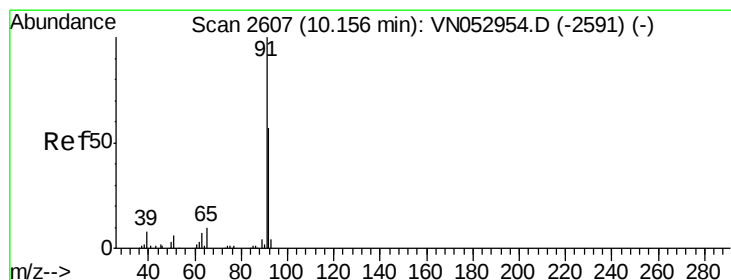
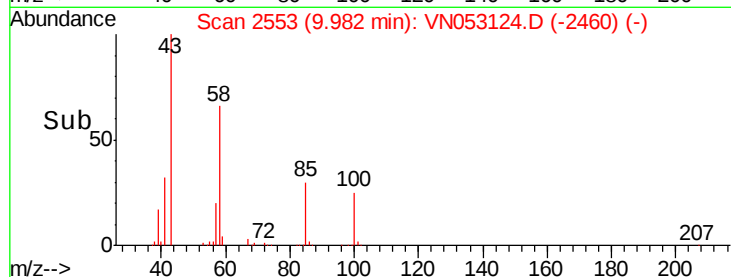
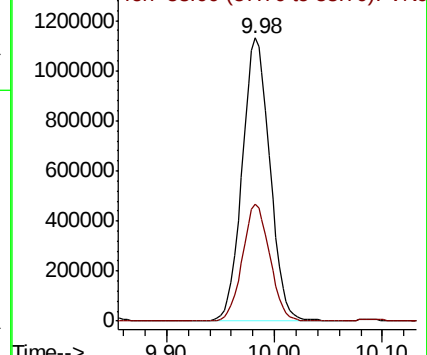
43 100

58 41.0 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.954 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053124.D

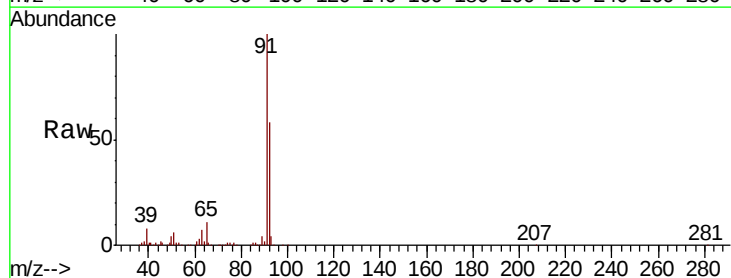
Acq: 22 Dec 2018 10:24

Tgt Ion: 92 Resp: 1406013

Ion Ratio Lower Upper

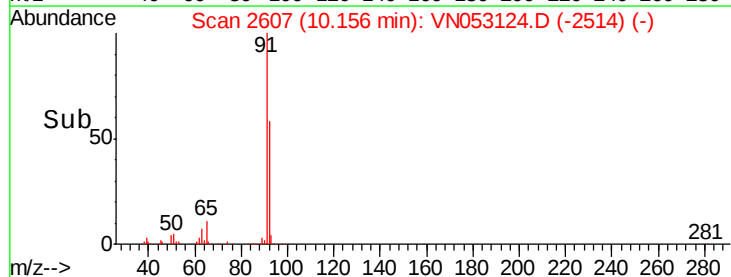
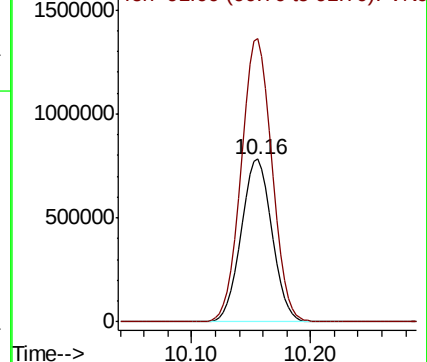
92 100

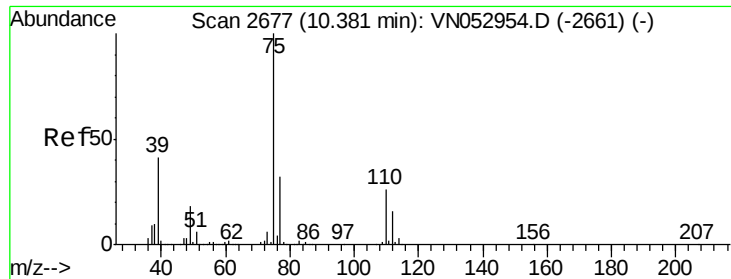
91 173.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.040 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

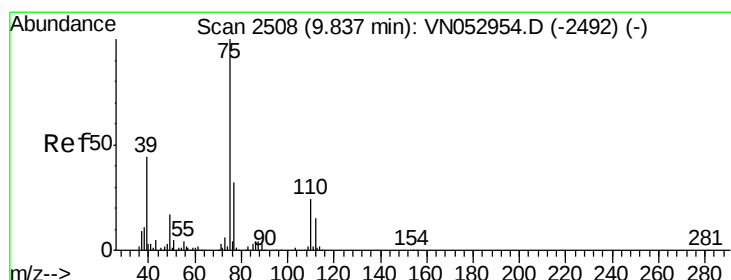
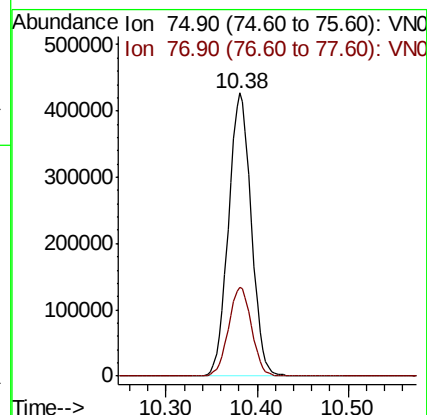
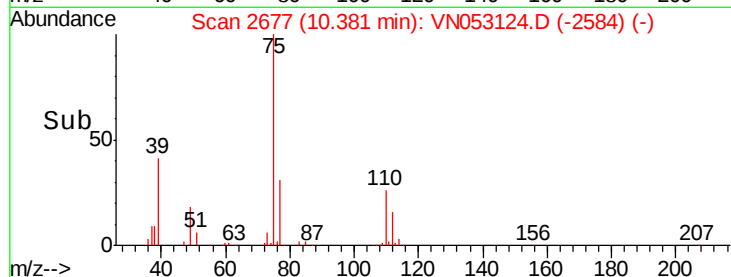
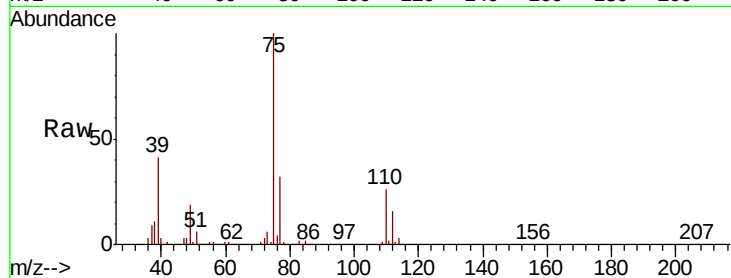
VSTDCCC050

Tot Ion: 75 Resp: 741006

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 51.672 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

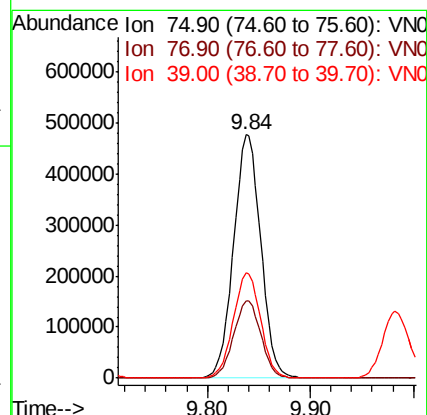
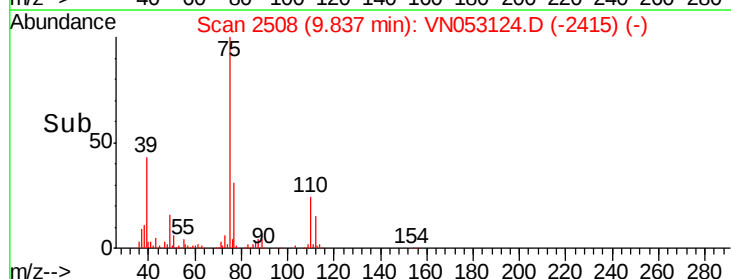
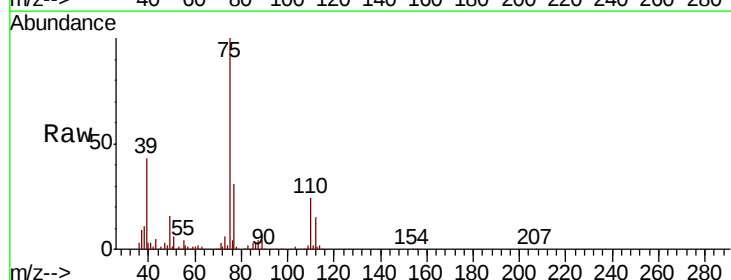
Tgt Ion: 75 Resp: 878287

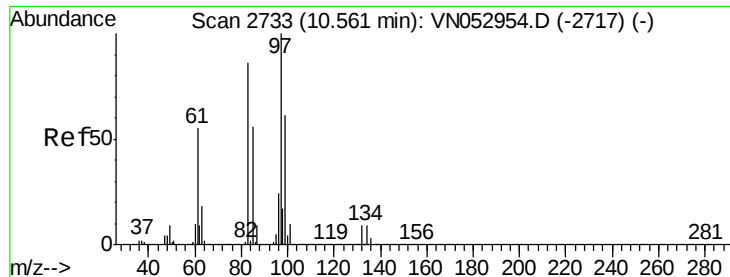
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 43.2 34.8 52.2

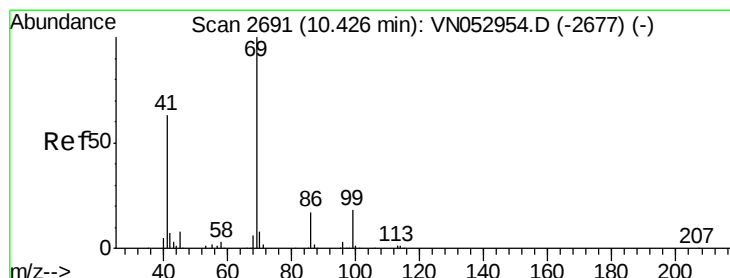
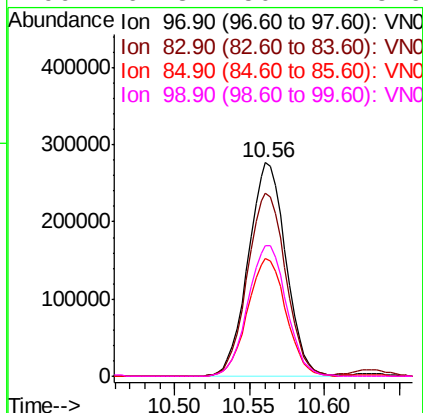
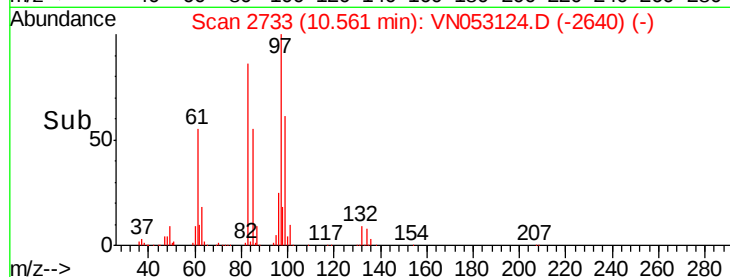
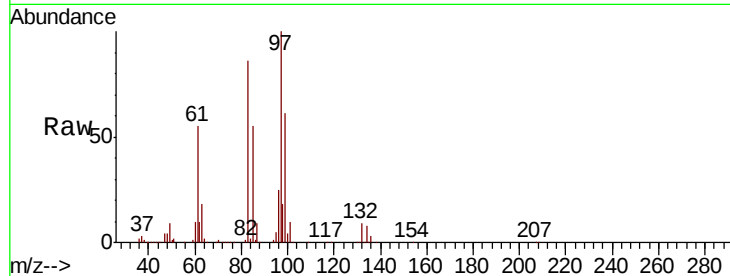




#55
 1,1,2-Trichloroethane
 Concen: 51.481 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

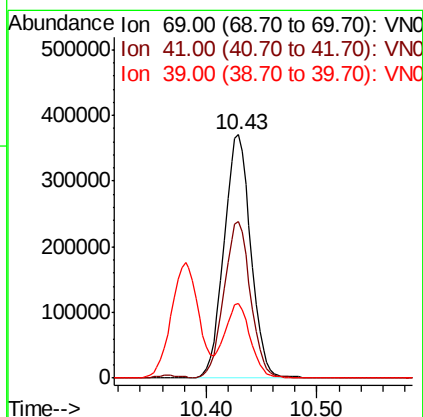
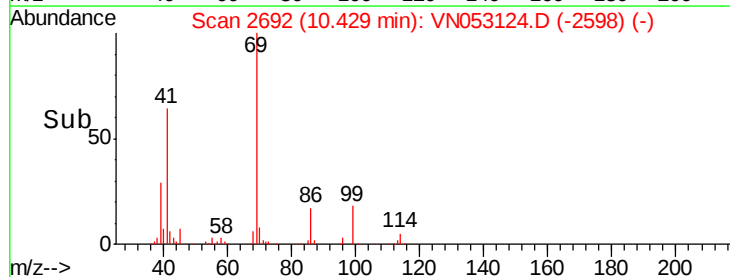
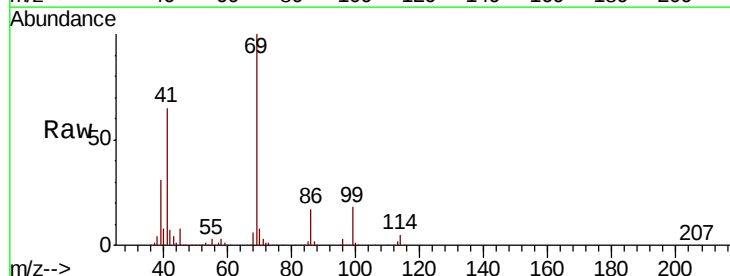
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	486048
Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.9	106.3
85	55.2	45.4	68.2
99	61.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 50.050 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion	69	Resp	625444
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.5	24.6	37.0

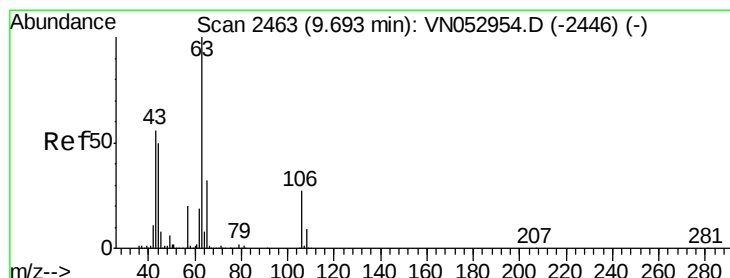
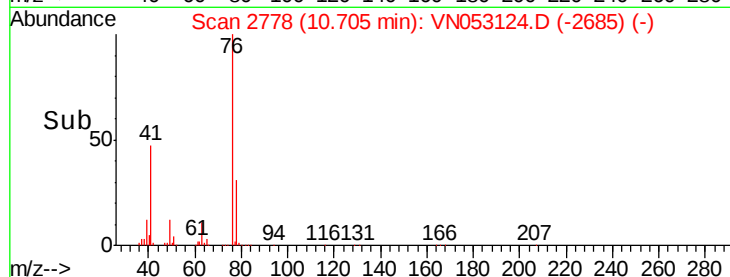
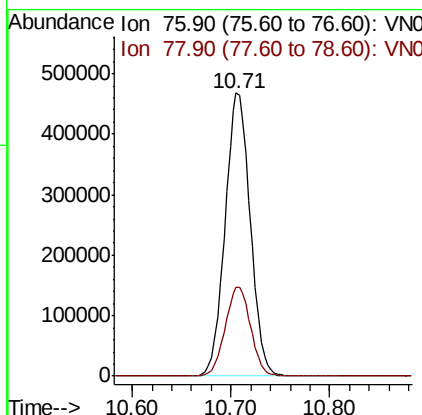
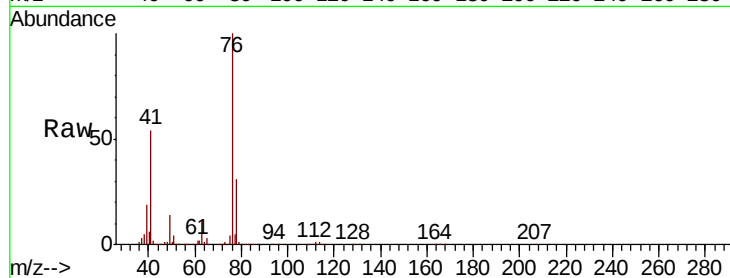




#57
 1,3-Dichloropropane
 Concen: 51.587 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

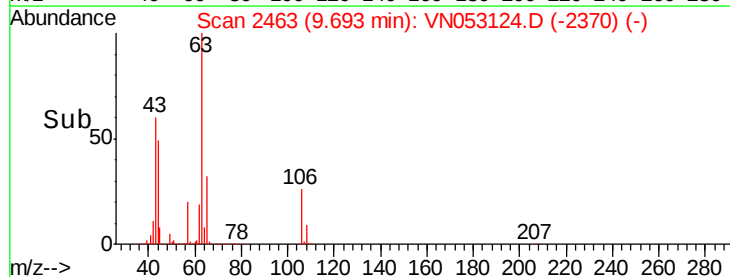
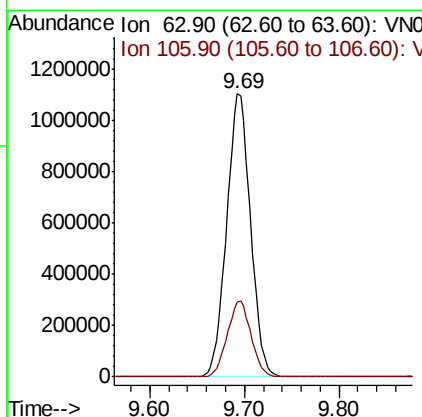
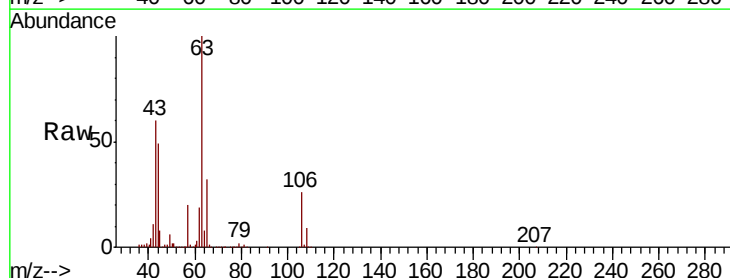
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

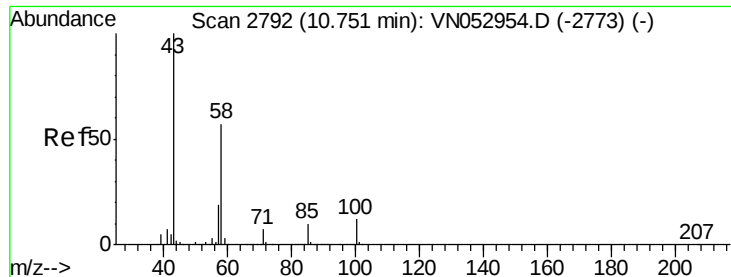
Tot Ion: 76 Resp: 835195
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.804 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 63 Resp: 1933310
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.0 31.6

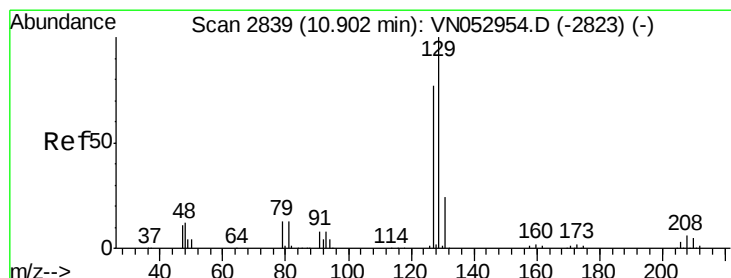
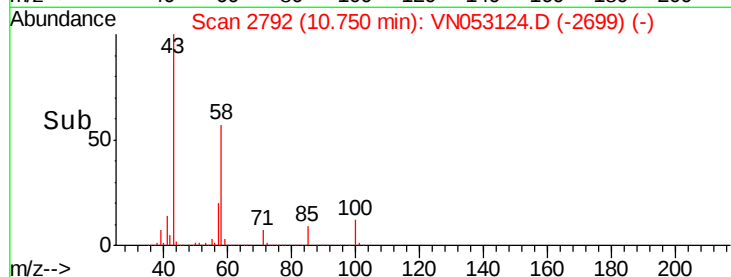
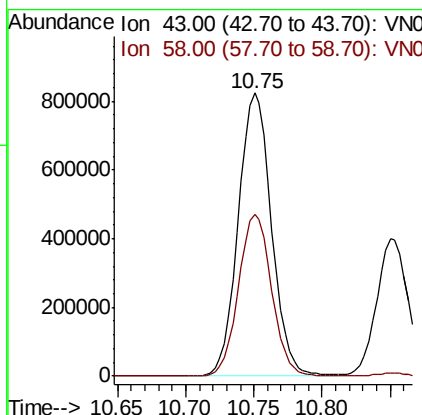
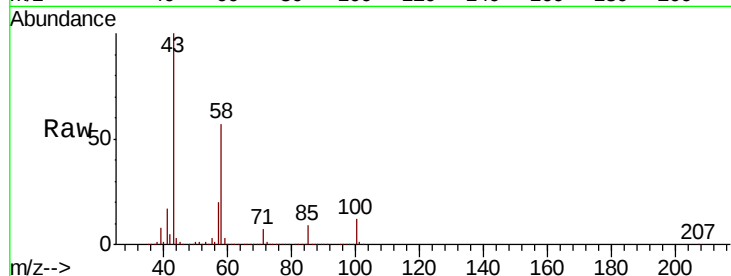




#59
2-Hexanone
Concen: 259.030 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

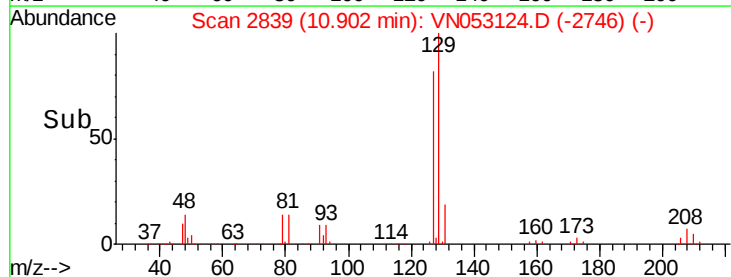
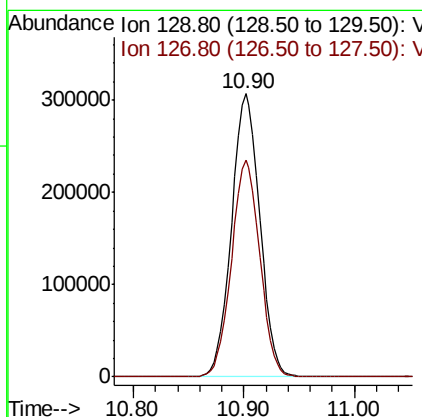
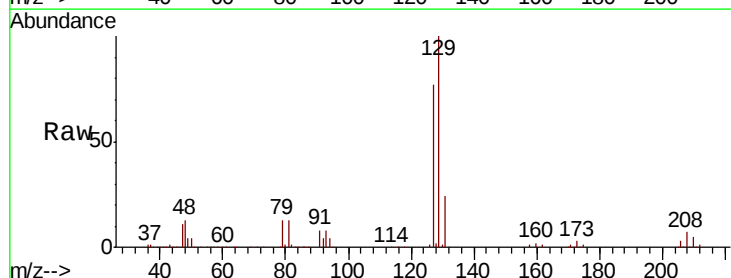
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1390750
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3



#60
Dibromochloromethane
Concen: 50.592 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion: 129 Resp: 546752
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0

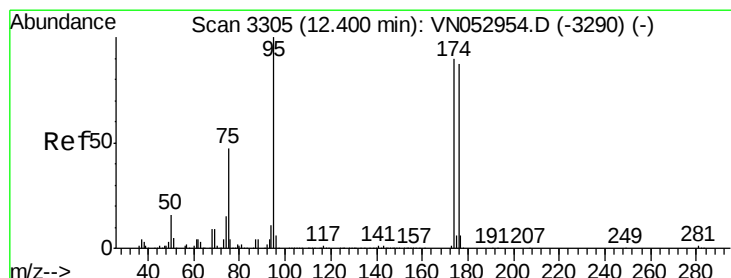
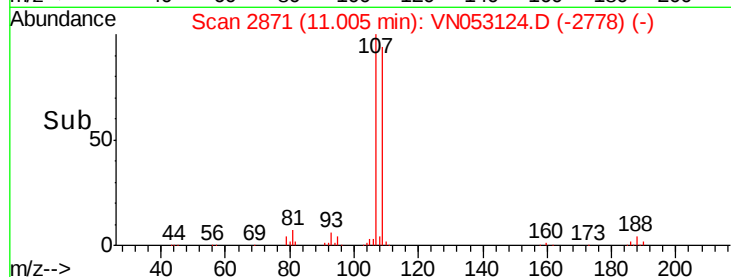
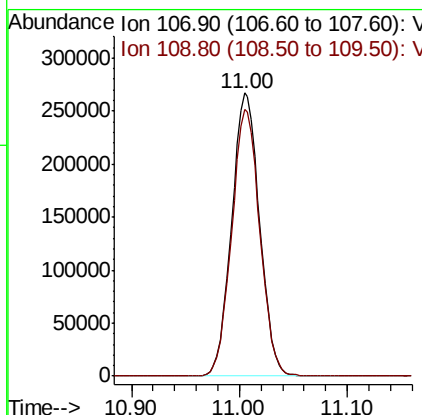
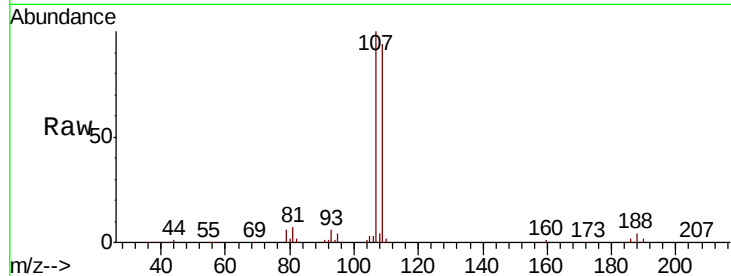




#61
 1,2-Dibromoethane
 Concen: 50.270 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

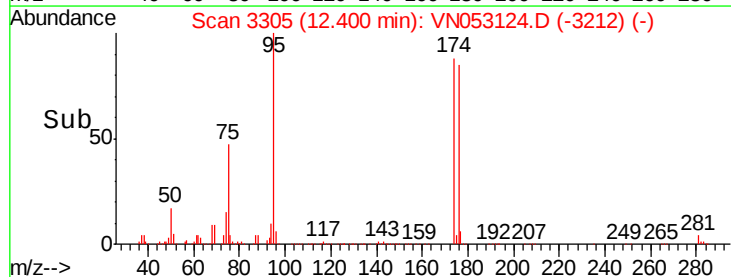
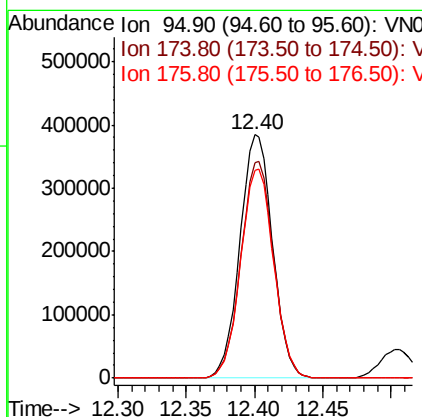
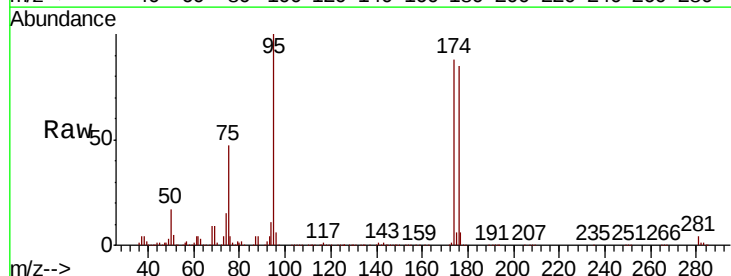
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

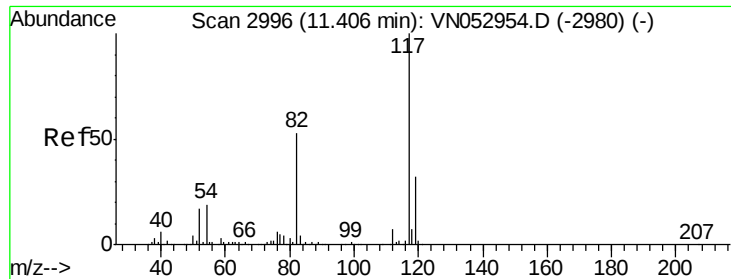
Tot Ion:107 Resp: 482017
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.270 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 95 Resp: 638344
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 178.8
 176 86.9 0.0 173.8

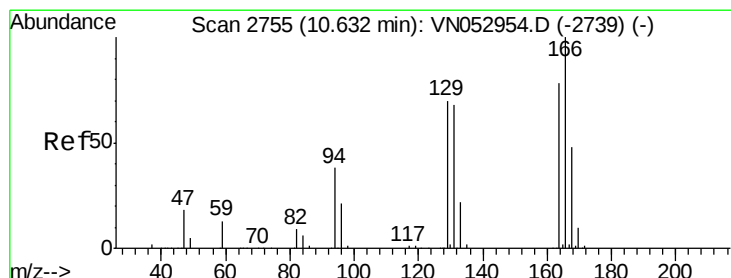
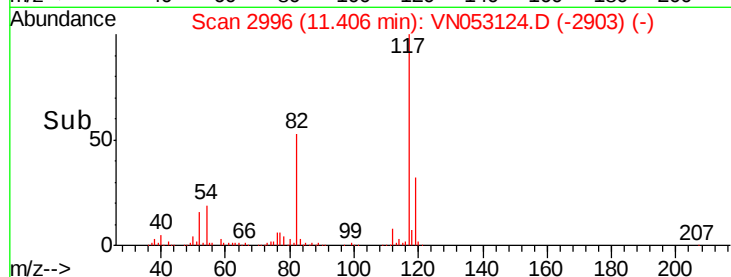
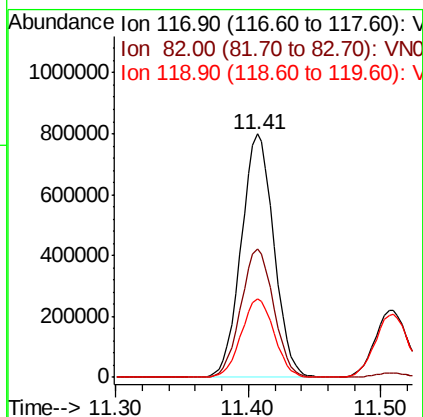
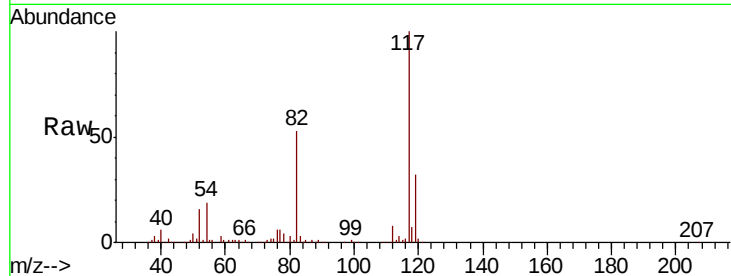




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

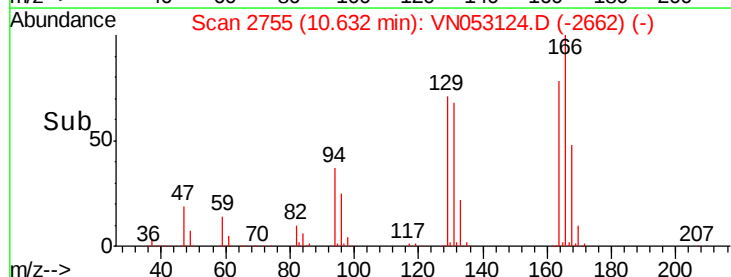
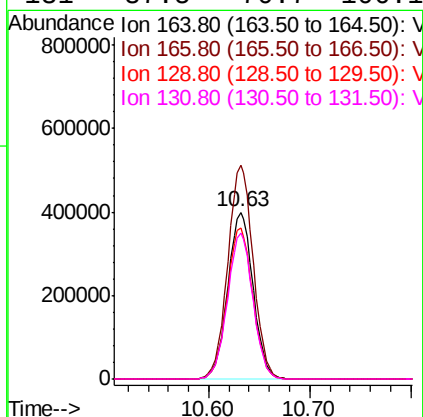
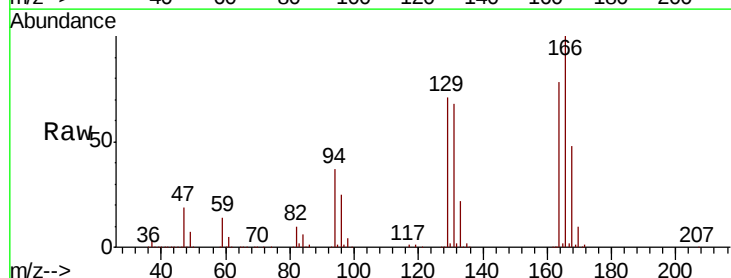
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

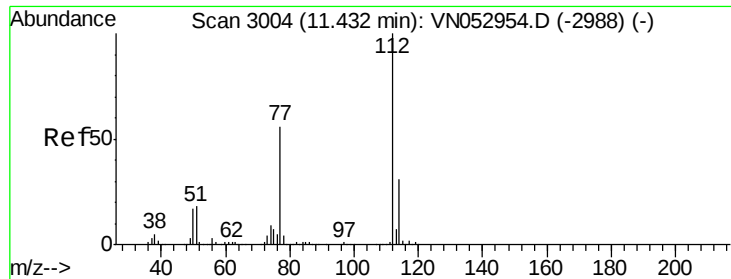
Tot Ion:117 Resp: 1363791
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 47.385 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:164 Resp: 700013
Ion Ratio Lower Upper
164 100
166 128.2 102.9 154.3
129 90.7 73.7 110.5
131 87.5 70.7 106.1

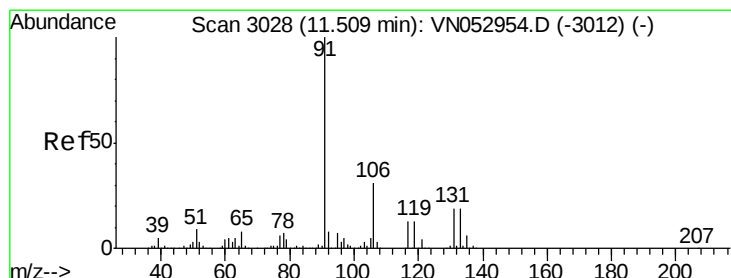
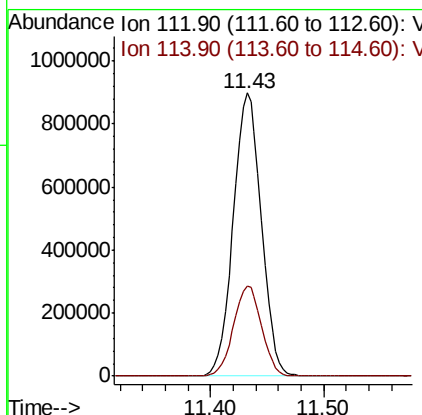
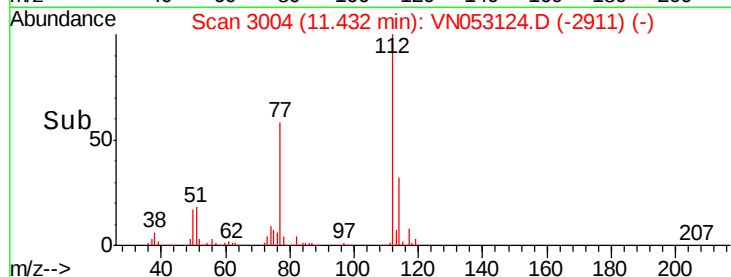
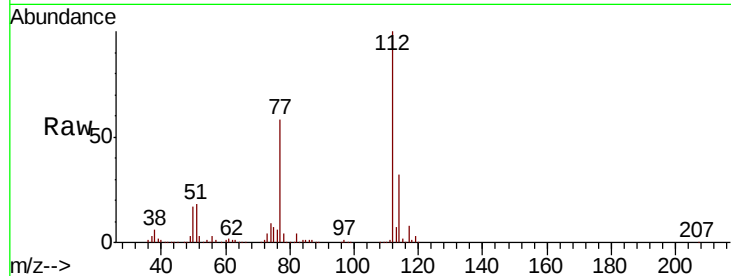




#65
Chlorobenzene
Concen: 51.145 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

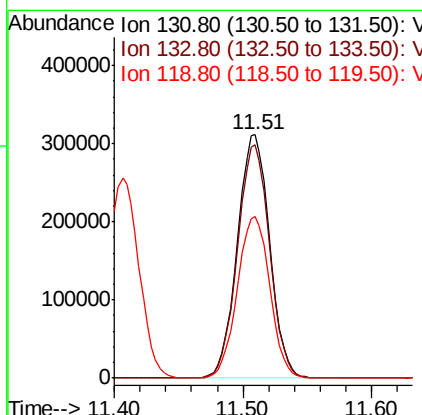
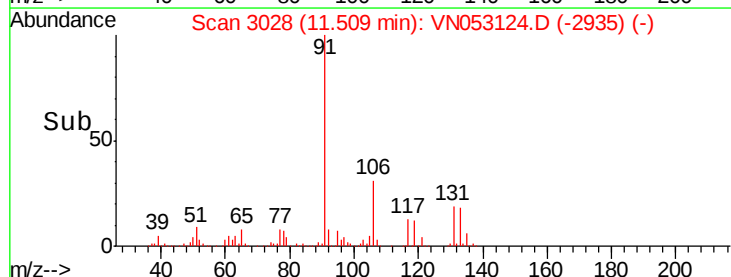
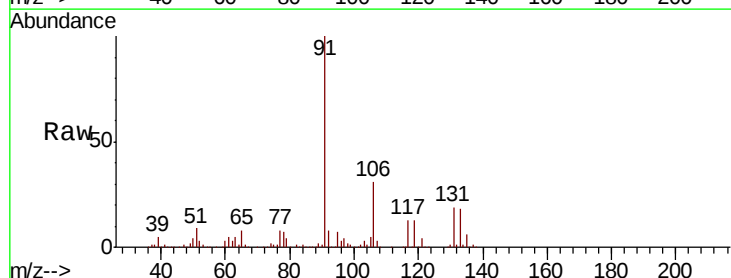
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

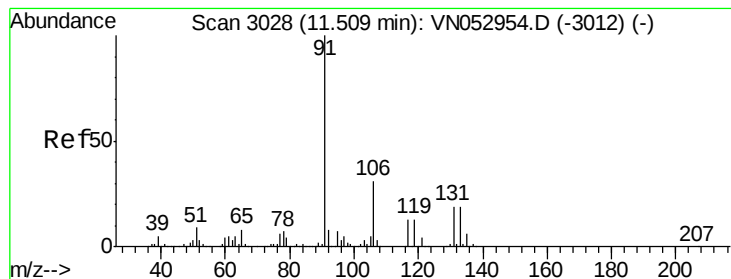
Tot Ion:112 Resp: 1546171
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.504 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:131 Resp: 541459
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 66.9 33.3 99.8





#67

Ethyl Benzene

Concen: 52.228 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

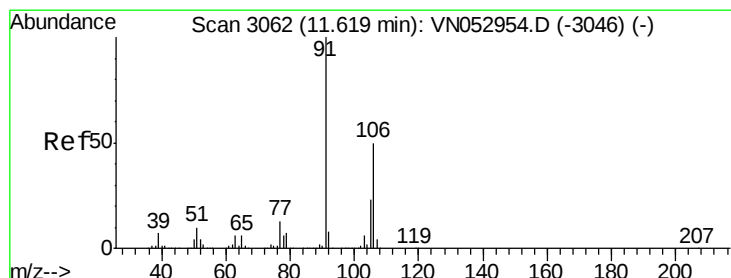
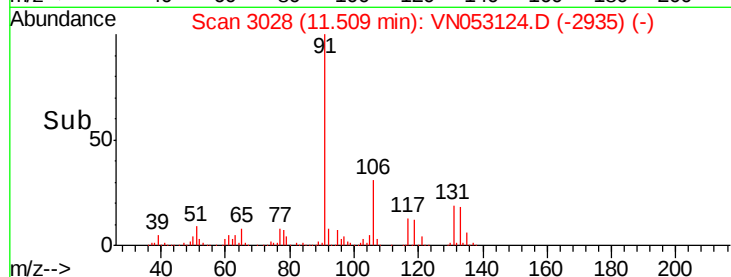
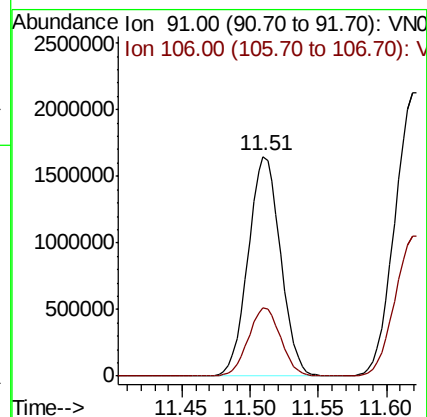
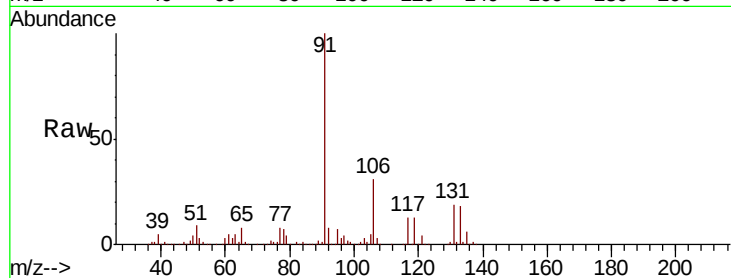
VSTDCCC050

Tot Ion: 91 Resp: 2715342

Ion Ratio Lower Upper

91 100

106 30.9 24.9 37.3



#68

m/p-Xylenes

Concen: 104.115 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053124.D

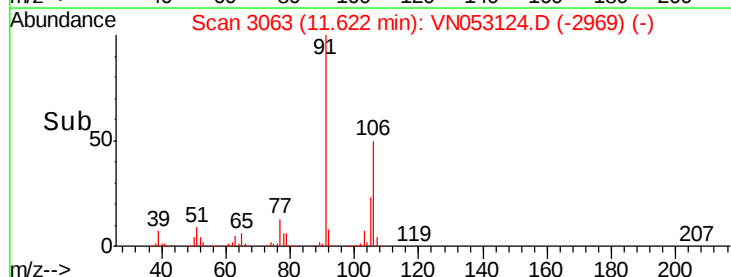
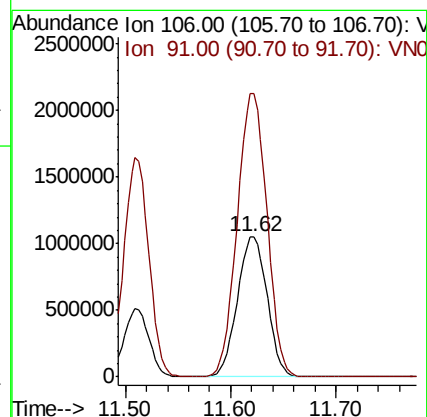
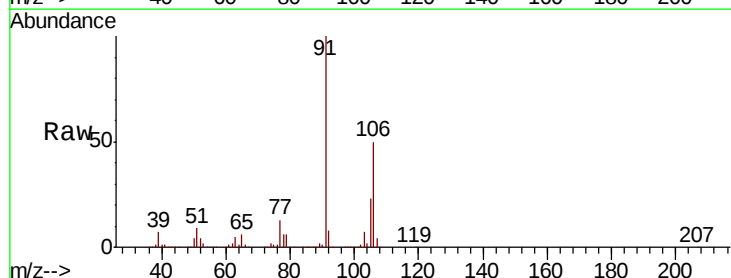
Acq: 22 Dec 2018 10:24

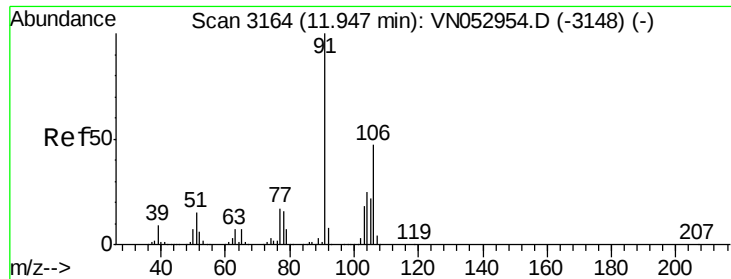
Tgt Ion: 106 Resp: 2057763

Ion Ratio Lower Upper

106 100

91 201.5 162.2 243.4

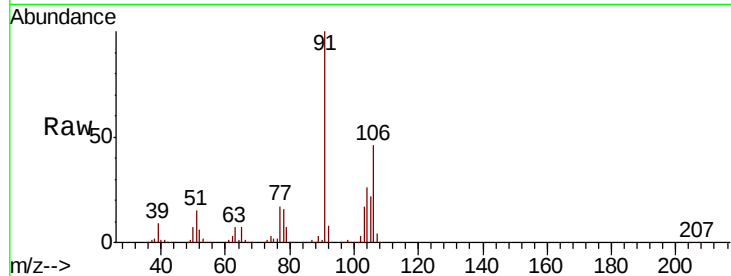




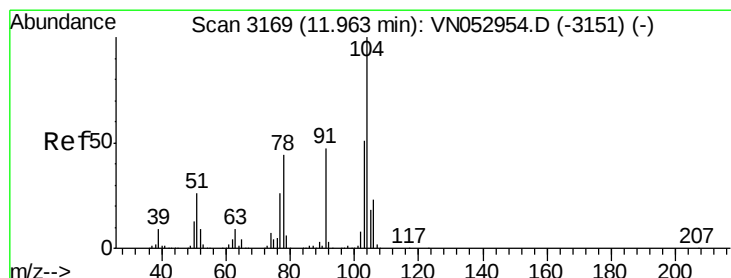
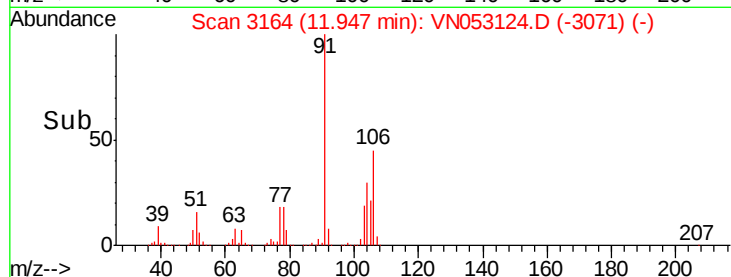
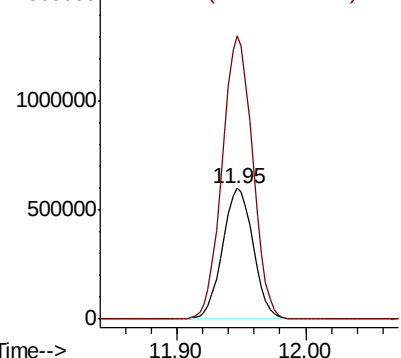
#69
o-Xylene
Concen: 52.418 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 994129
Ion Ratio Lower Upper
106 100
91 214.9 106.6 319.8

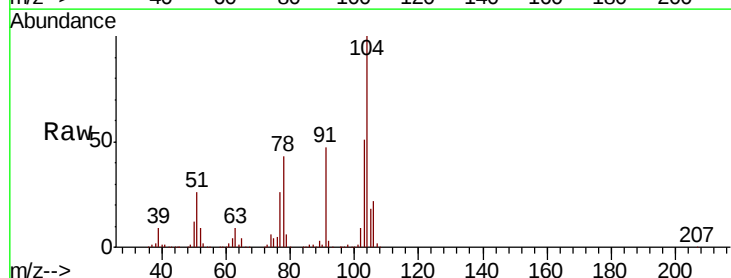


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

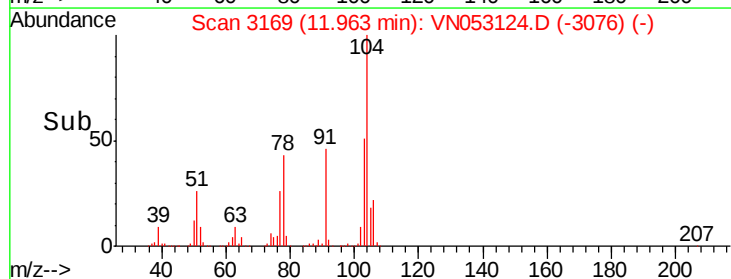
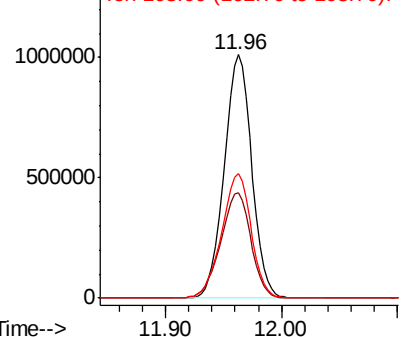


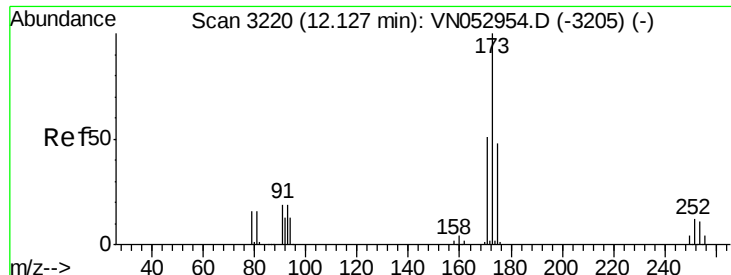
#70
Styrene
Concen: 53.573 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:104 Resp: 1656761
Ion Ratio Lower Upper
104 100
78 47.6 38.9 58.3
103 55.0 44.3 66.5



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

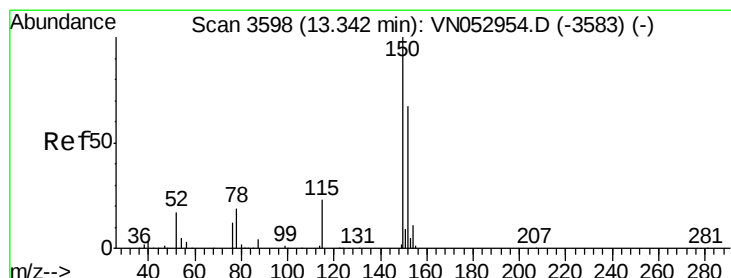
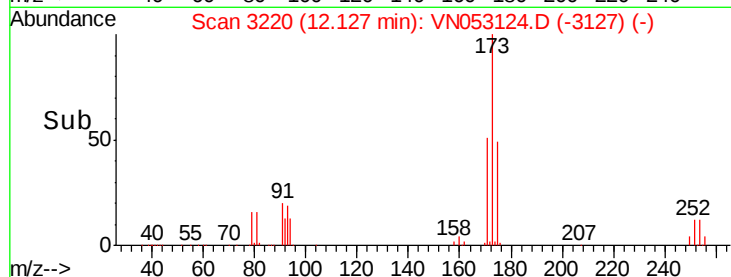
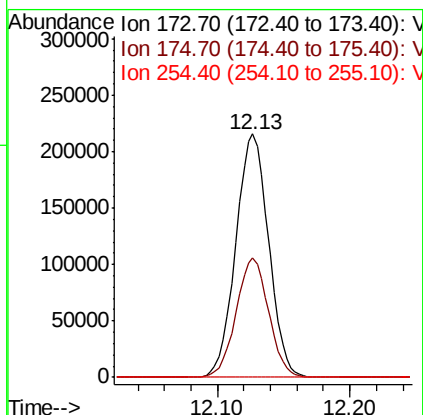
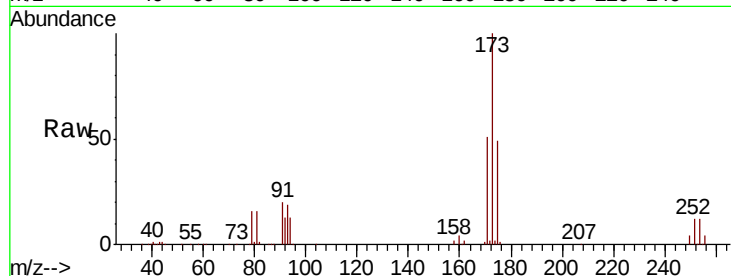




#71
Bromoform
Concen: 48.861 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

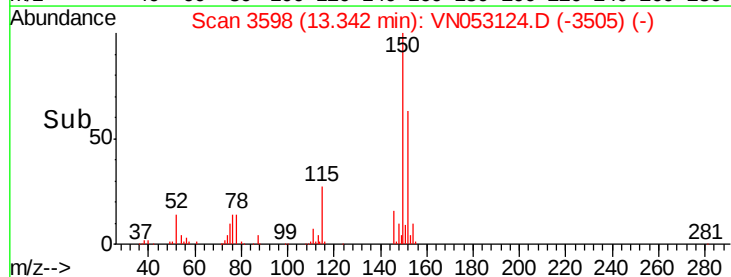
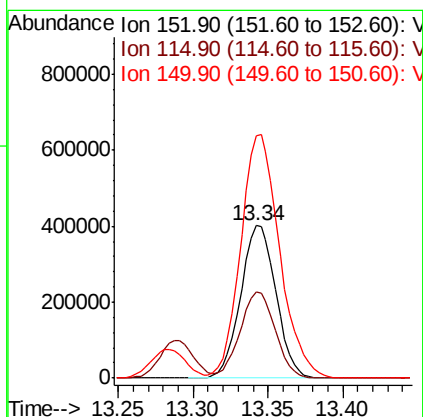
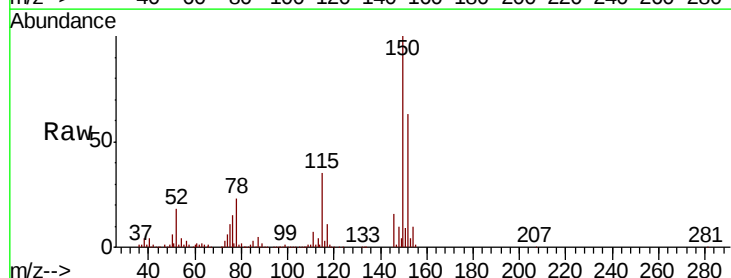
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

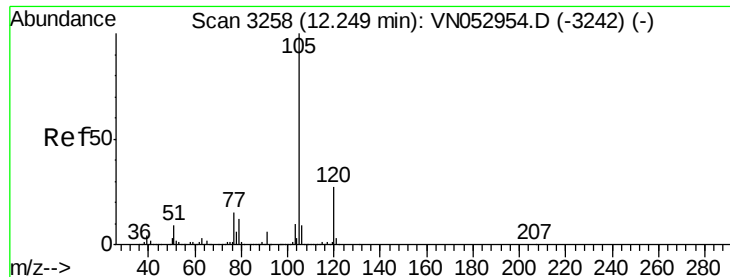
Tot Ion:173 Resp: 371081
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.9
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:152 Resp: 659443
Ion Ratio Lower Upper
152 100
115 56.4 28.3 85.0
150 175.7 0.0 347.8





#73

Isopropylbenzene

Concen: 51.657 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

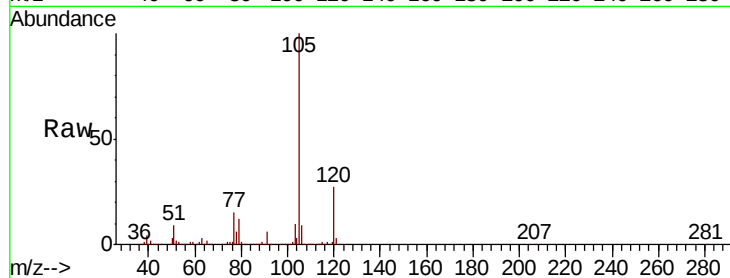
VSTDCCC050

Tot Ion:105 Resp: 2665268

Ion Ratio Lower Upper

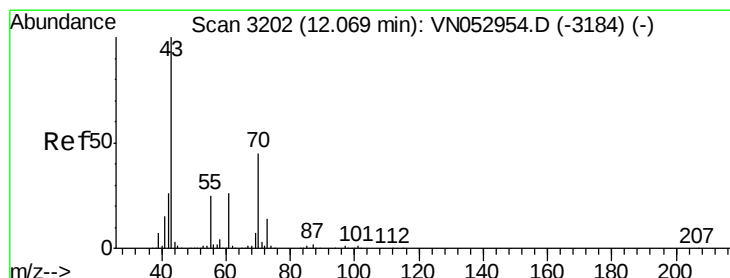
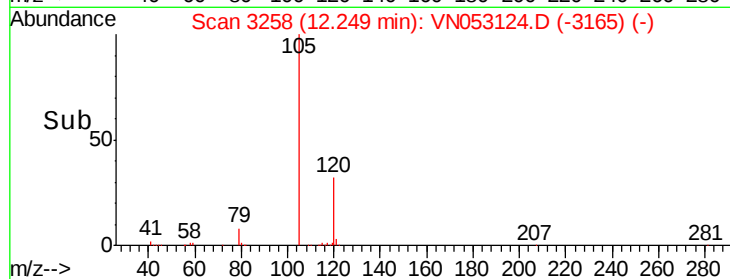
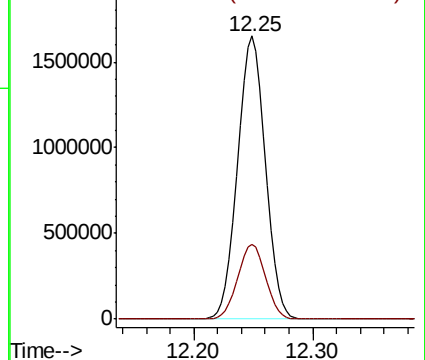
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.989 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Tgt Ion: 43 Resp: 687427

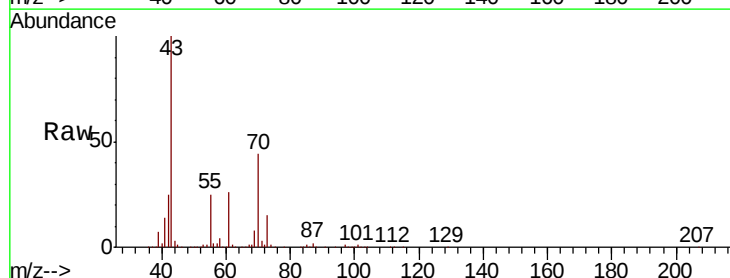
Ion Ratio Lower Upper

43 100

70 43.9 34.2 51.4

55 24.9 20.3 30.5

61 25.8 20.0 30.0

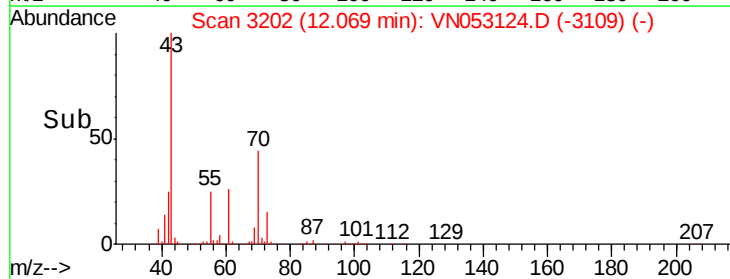
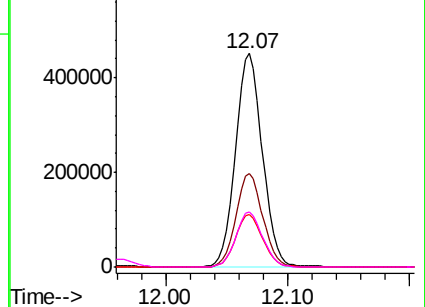


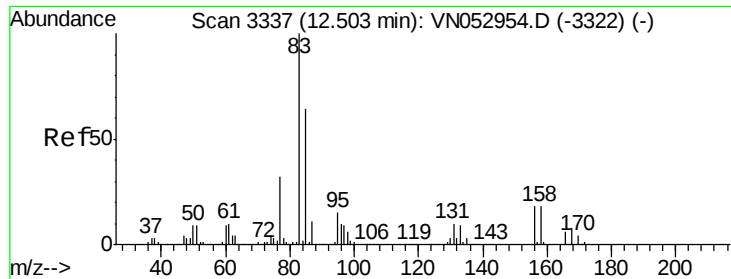
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.408 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

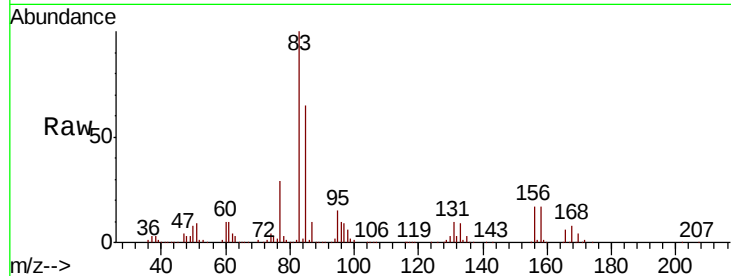
Tot Ion: 83 Resp: 530484

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

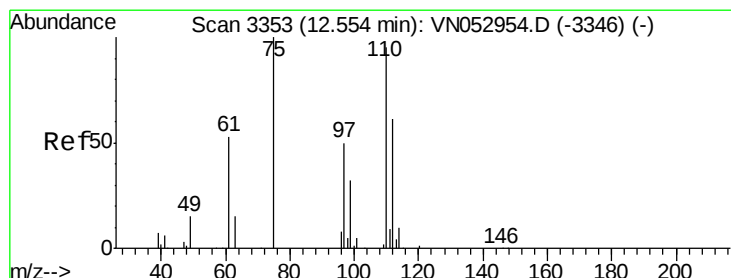
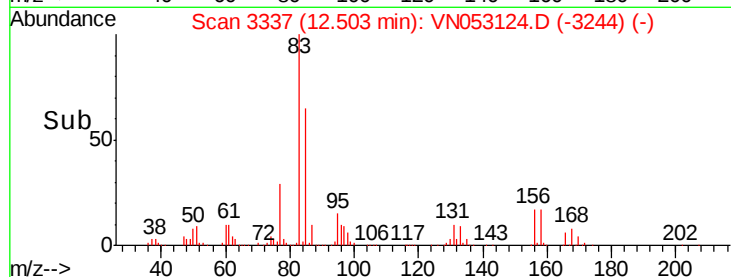
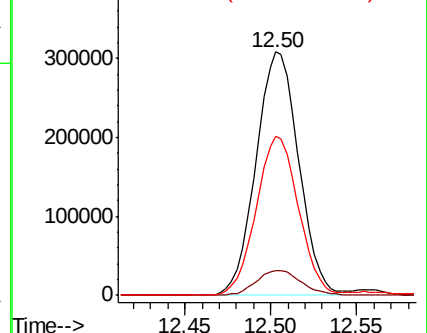
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053124.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053124.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053124.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 65.203 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053124.D

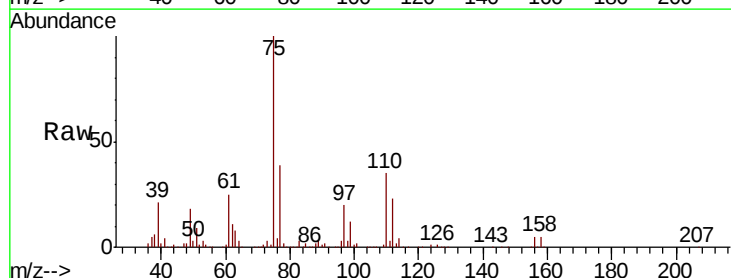
Acq: 22 Dec 2018 10:24

Tgt Ion: 75 Resp: 723824

Ion Ratio Lower Upper

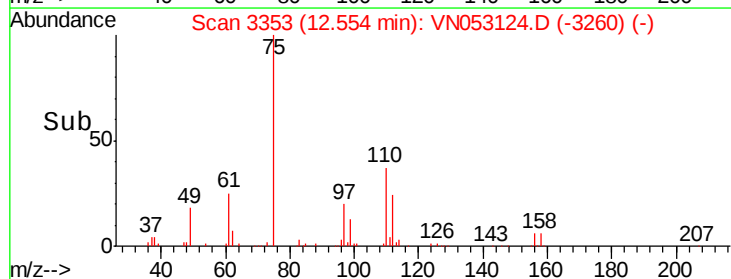
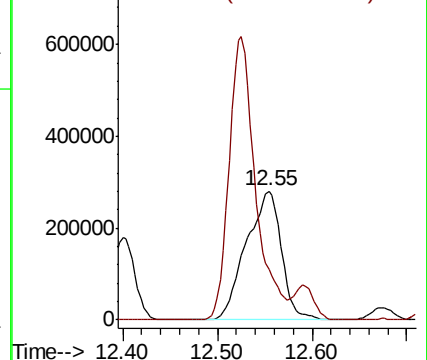
75 100

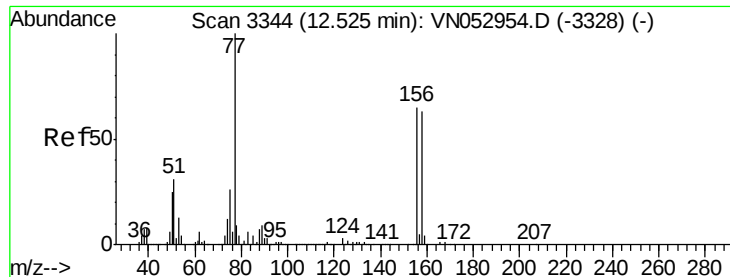
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053124.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053124.D (-3260) (-)





#77

Bromobenzene

Concen: 50.519 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

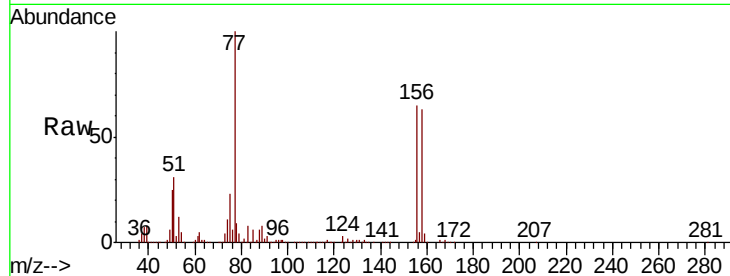
Tot Ion:156 Resp: 677552

Ion Ratio Lower Upper

156 100

77 177.1 91.3 273.8

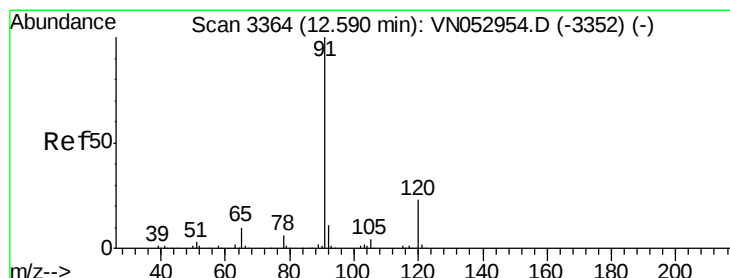
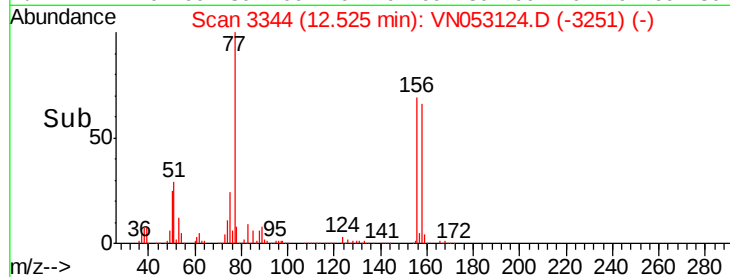
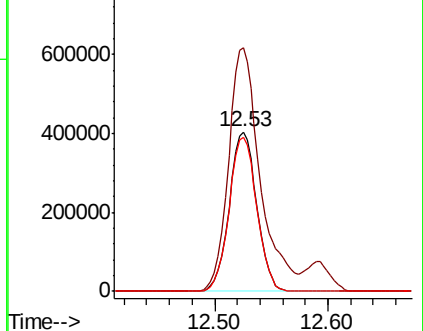
158 97.7 49.0 147.2



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: 52.102 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053124.D

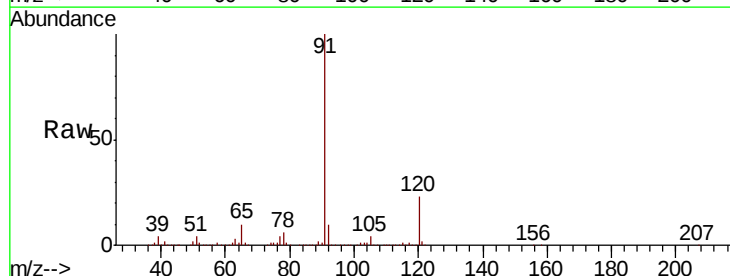
Acq: 22 Dec 2018 10:24

Tgt Ion: 91 Resp: 3061637

Ion Ratio Lower Upper

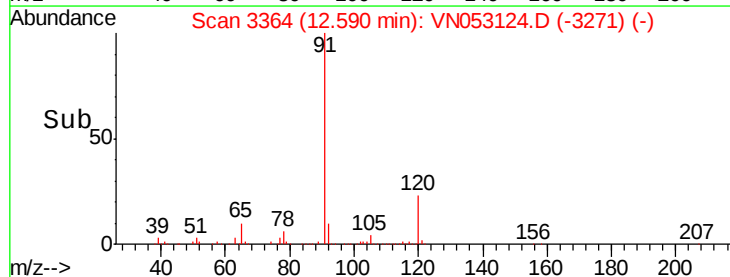
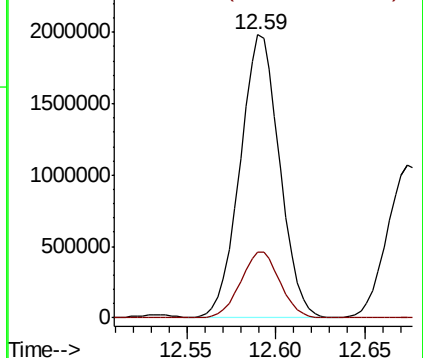
91 100

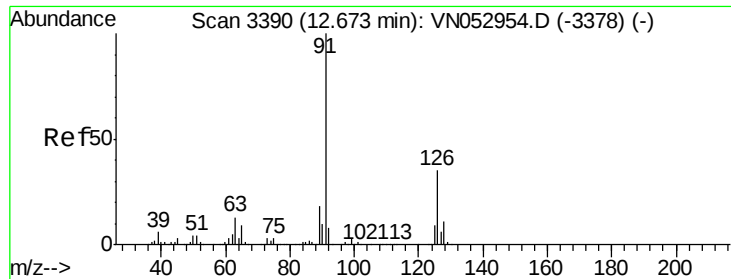
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.156 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

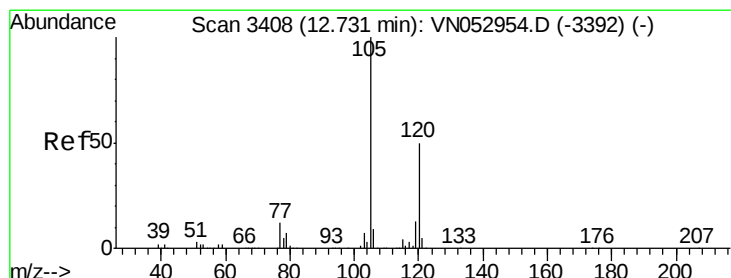
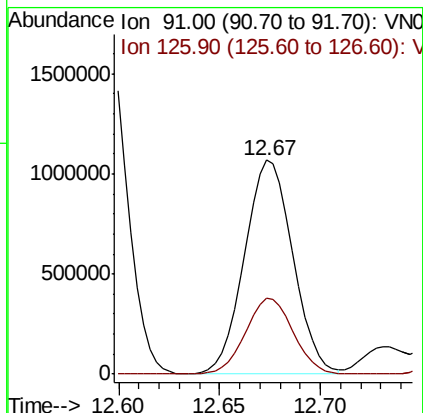
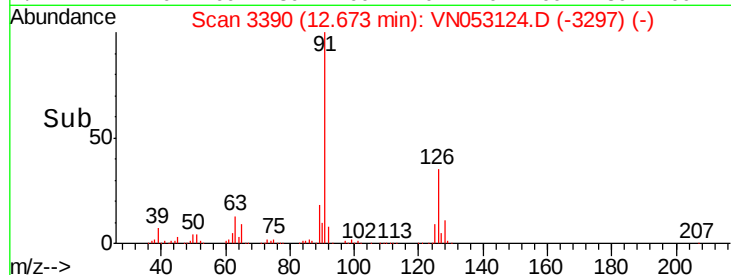
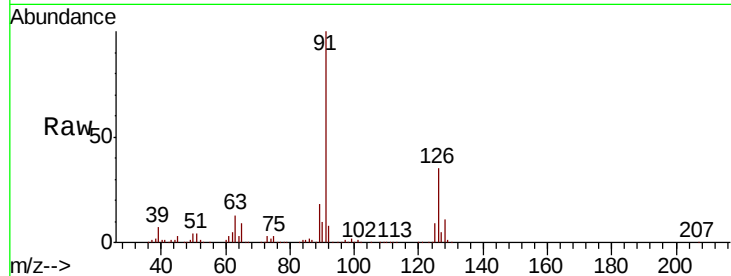
VSTDCCC050

Tot Ion: 91 Resp: 1790451

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 51.190 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053124.D

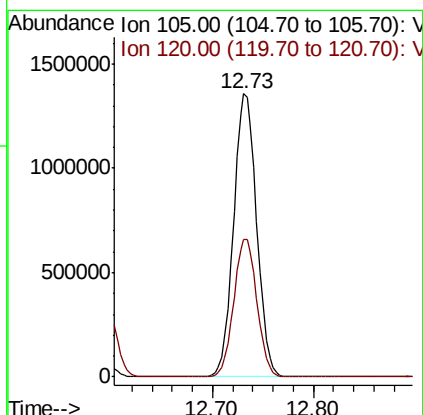
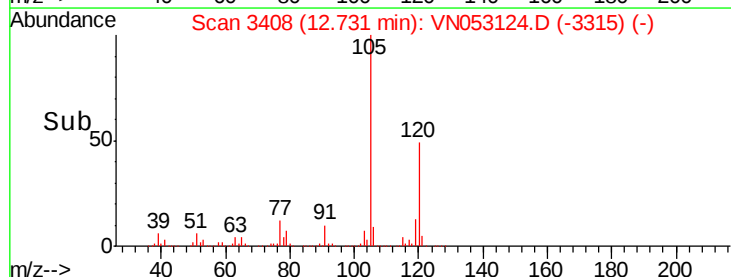
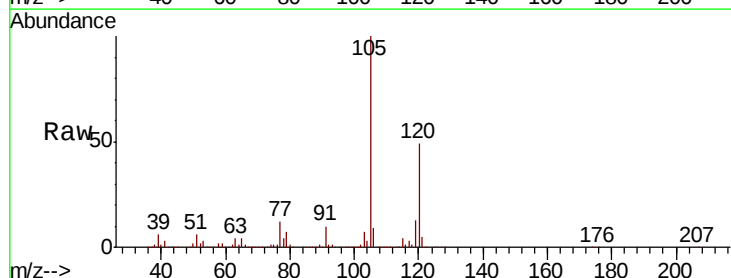
Acq: 22 Dec 2018 10:24

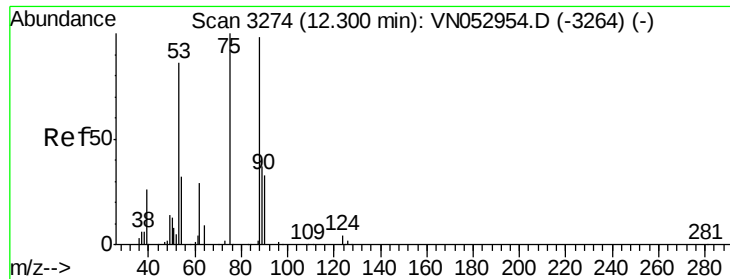
Tgt Ion:105 Resp: 2152792

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 47.322 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

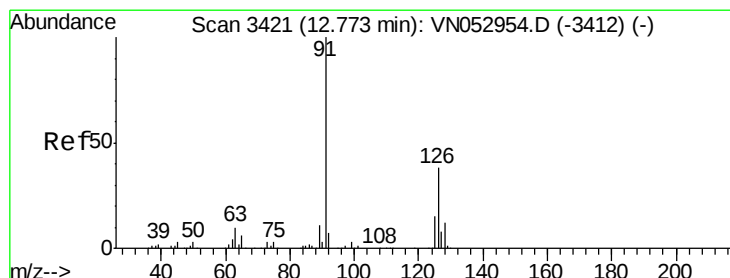
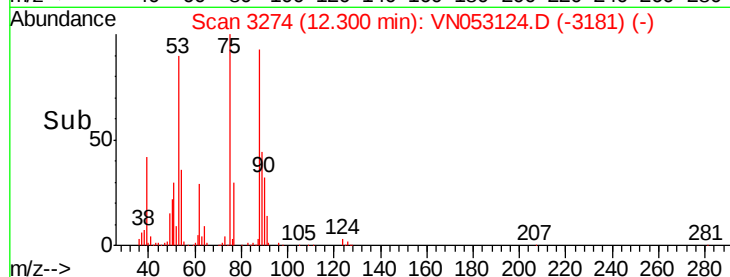
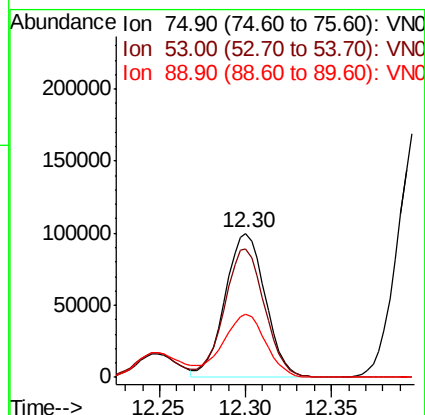
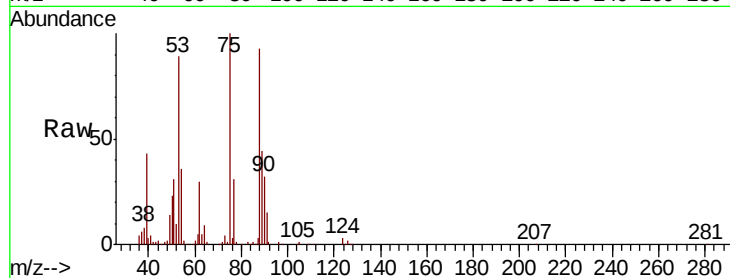
Tot Ion: 75 Resp: 162986

Ion Ratio Lower Upper

75 100

53 88.6 74.7 112.1

89 46.7 36.1 54.1



#82

4-Chlorotoluene

Concen: 51.323 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053124.D

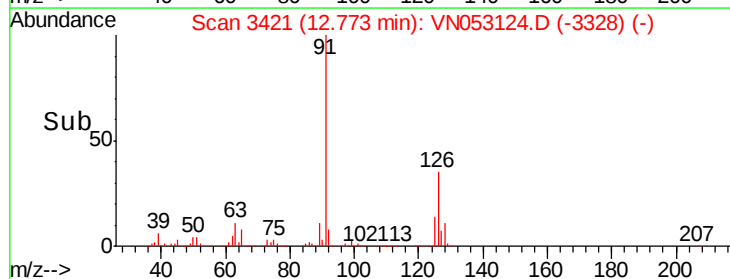
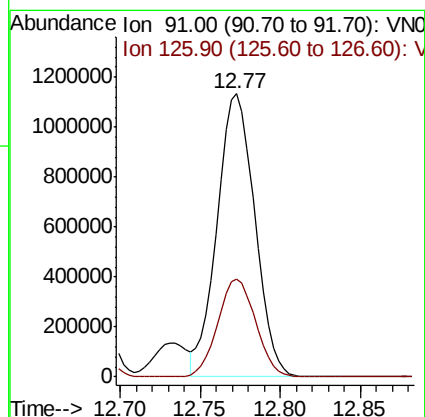
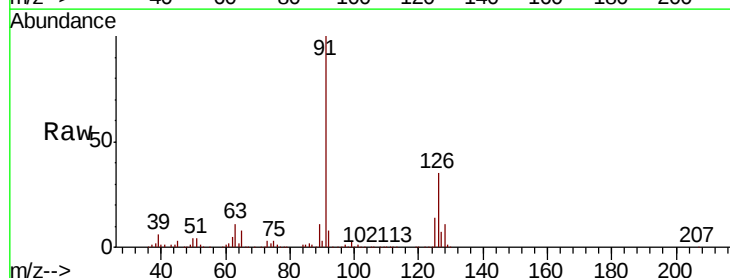
Acq: 22 Dec 2018 10:24

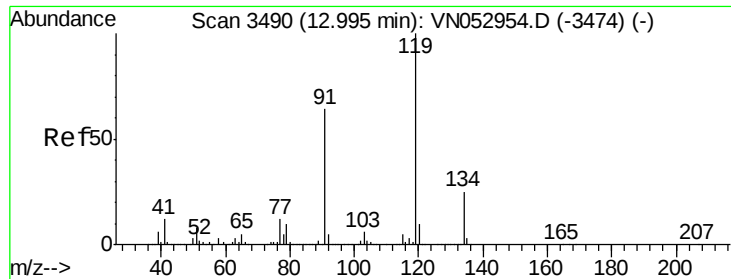
Tgt Ion: 91 Resp: 1829944

Ion Ratio Lower Upper

91 100

126 34.6 17.3 51.7

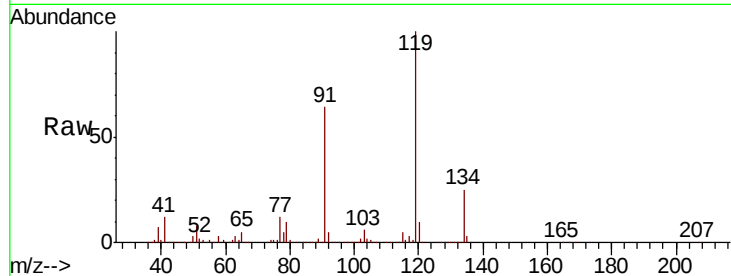




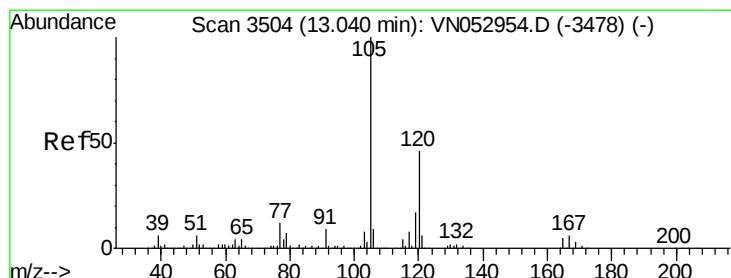
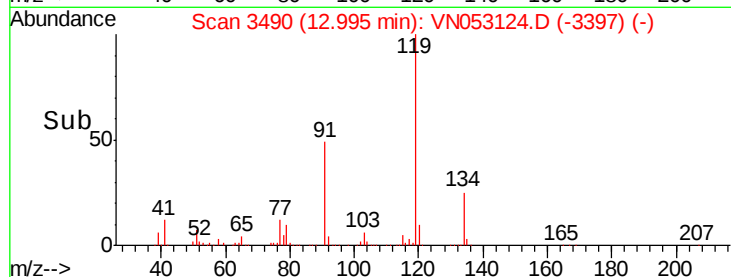
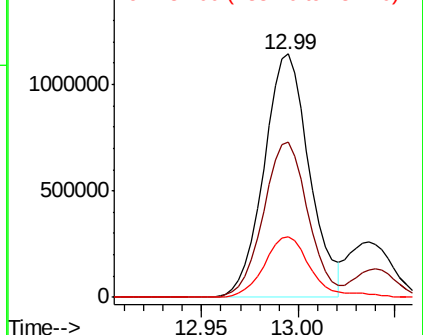
#83
tert-Butylbenzene
Concen: 50.248 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1868926
Ion Ratio Lower Upper
119 100
91 62.8 31.9 95.5
134 25.8 12.8 38.4

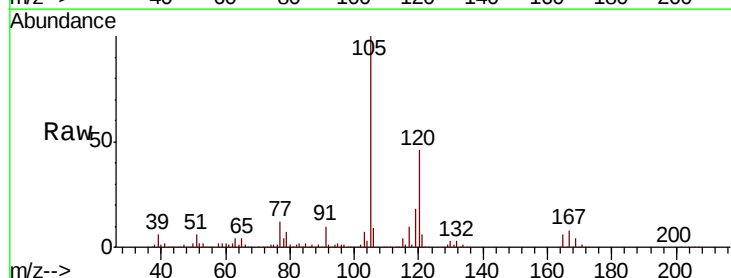


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

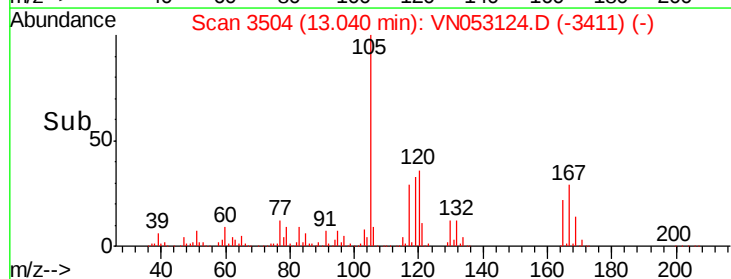
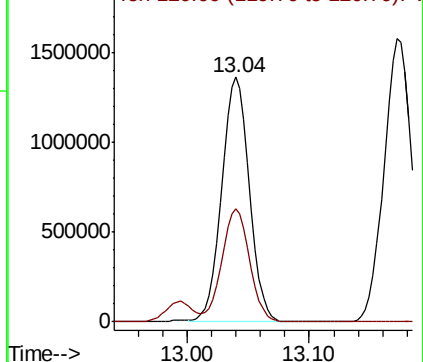


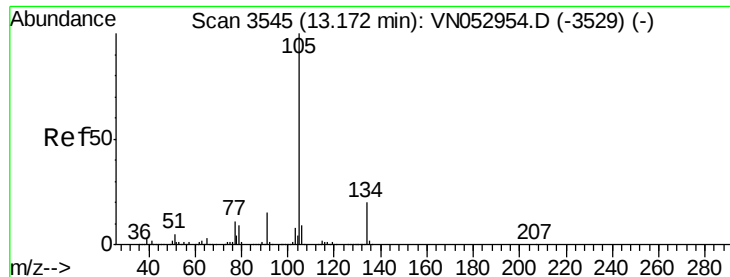
#84
1,2,4-Trimethylbenzene
Concen: 51.301 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053124.D
Acq: 22 Dec 2018 10:24

Tgt Ion:105 Resp: 2168844
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.329 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

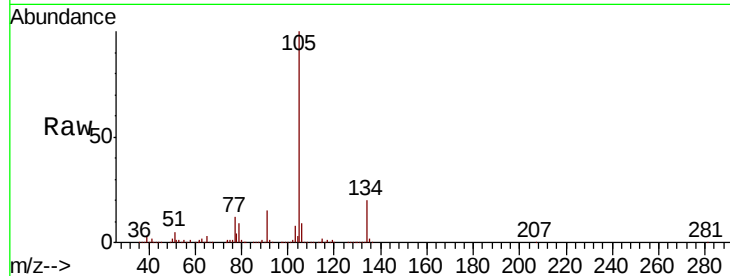
VSTDCCC050

Tot Ion:105 Resp: 2531968

Ion Ratio Lower Upper

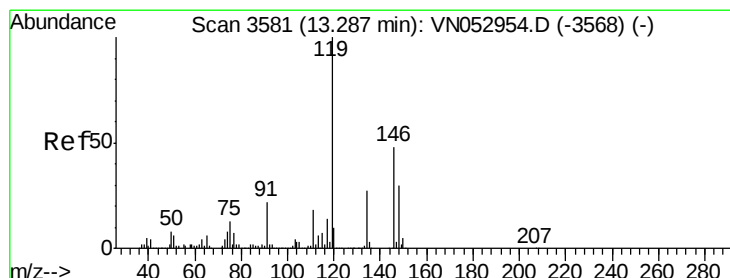
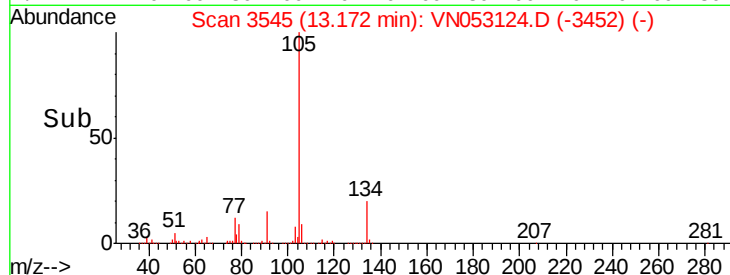
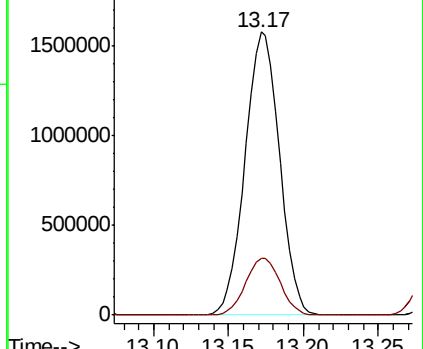
105 100

134 20.3 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: 50.920 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

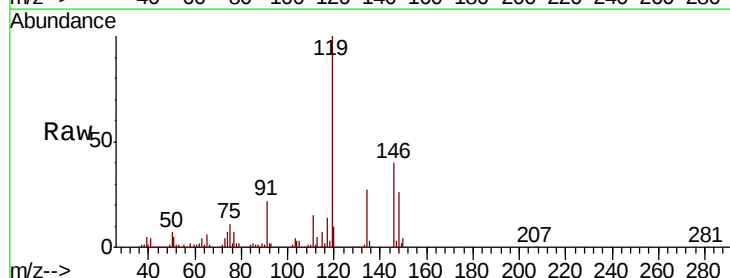
Tgt Ion:119 Resp: 2213516

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

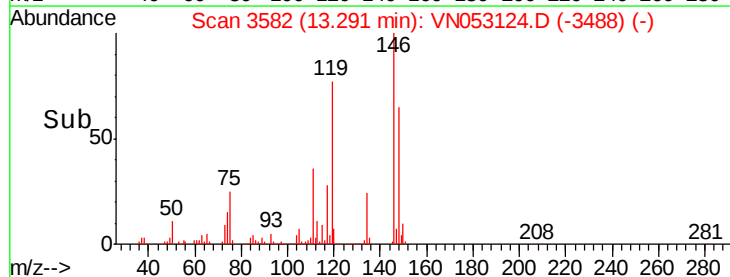
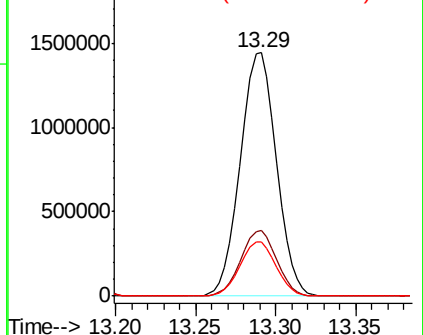
91 22.2 11.1 33.3

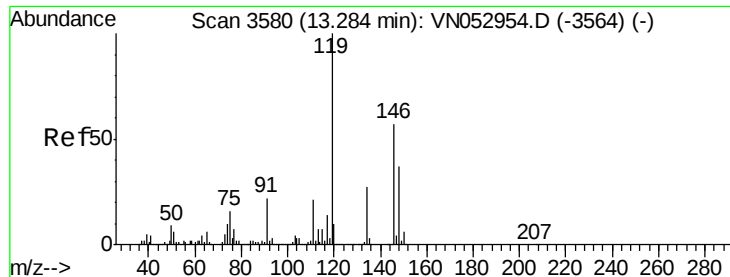


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.195 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

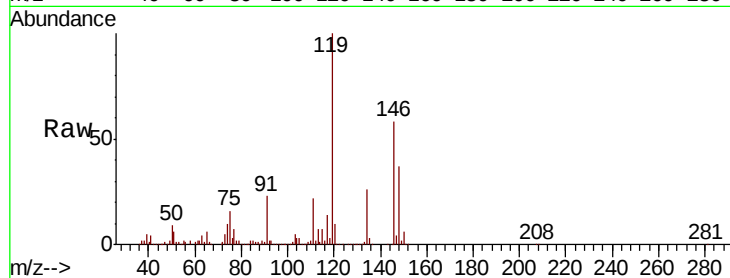
Tot Ion:146 Resp: 1215248

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.1

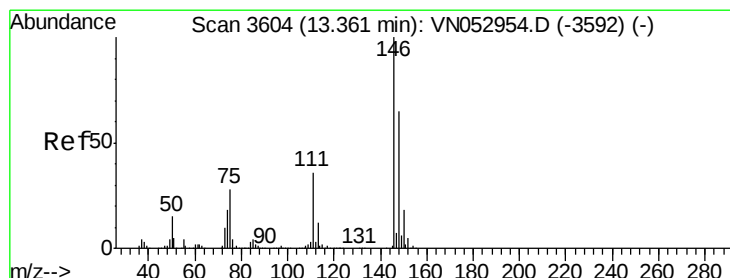
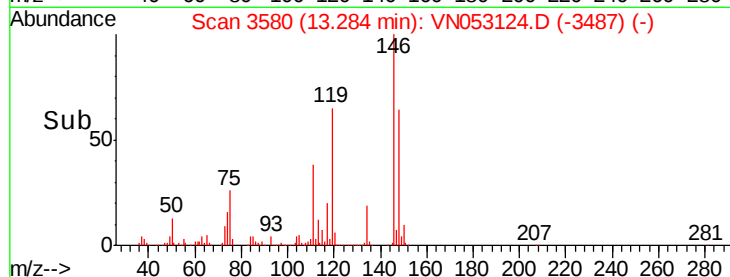
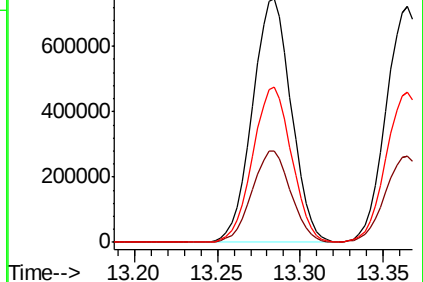
148 63.9 32.0 96.0



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: 49.838 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

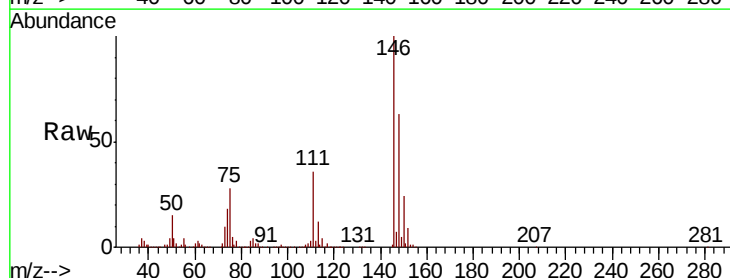
Tgt Ion:146 Resp: 1198050

Ion Ratio Lower Upper

146 100

111 36.8 18.6 55.8

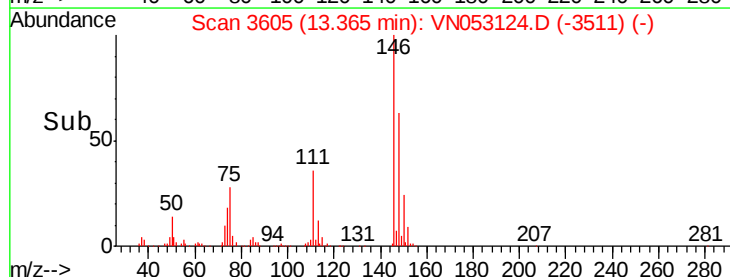
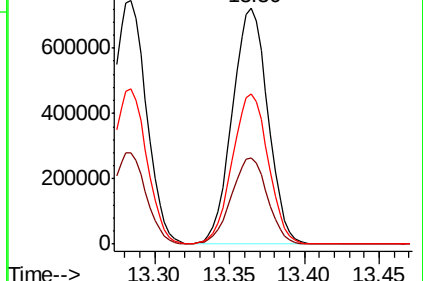
148 64.0 32.1 96.5



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: 49.742 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

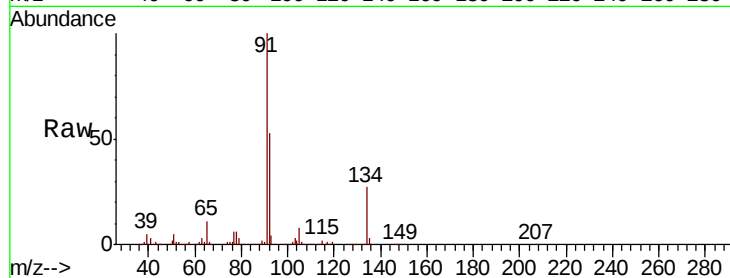
Tot Ion: 91 Resp: 1860244

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

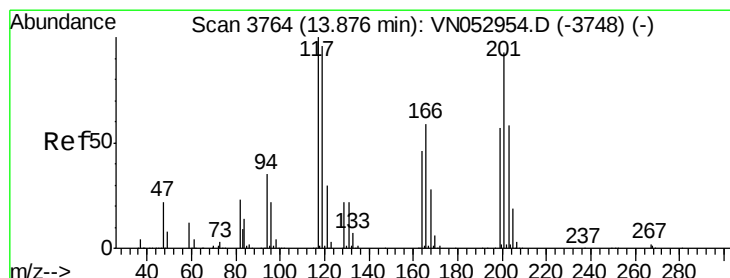
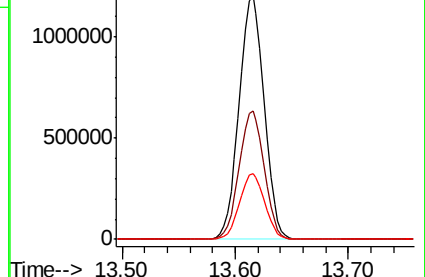
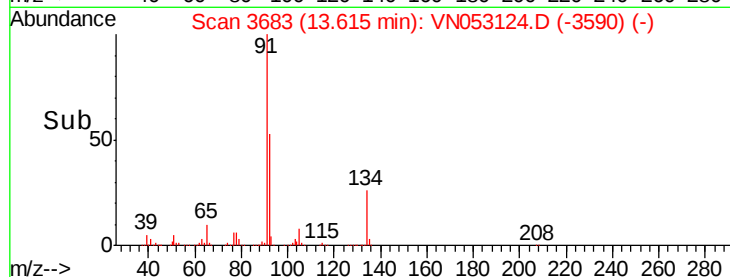
134 26.9 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053124.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN053124.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN053124.D (-3667) (-)



#90

Hexachloroethane

Concen: 50.821 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053124.D

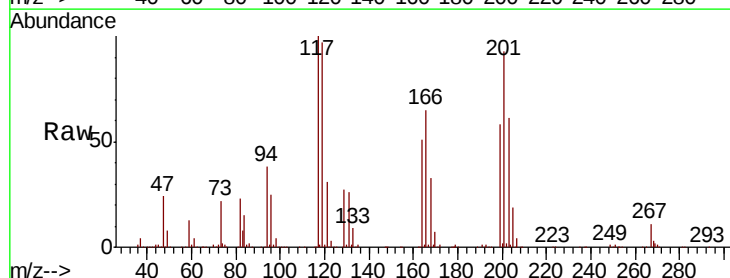
Acq: 22 Dec 2018 10:24

Tgt Ion: 117 Resp: 339025

Ion Ratio Lower Upper

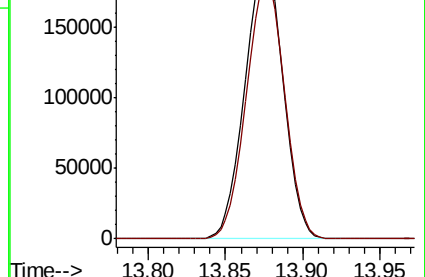
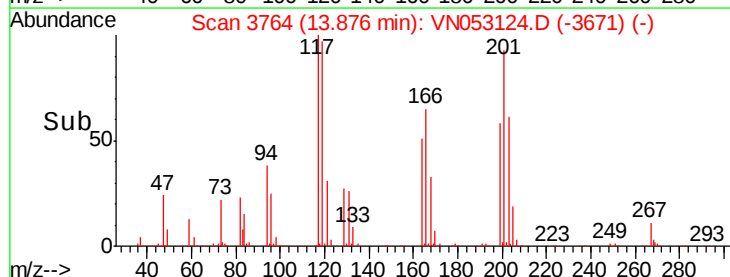
117 100

201 93.2 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053124.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053124.D (-3748) (-)

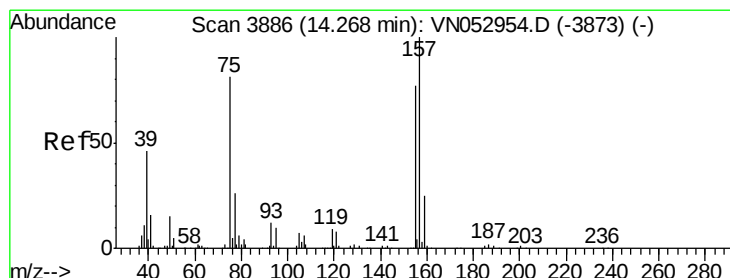
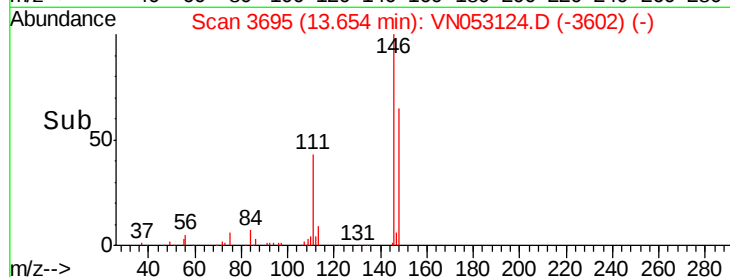
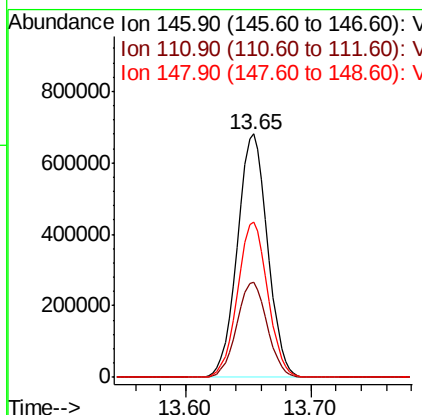
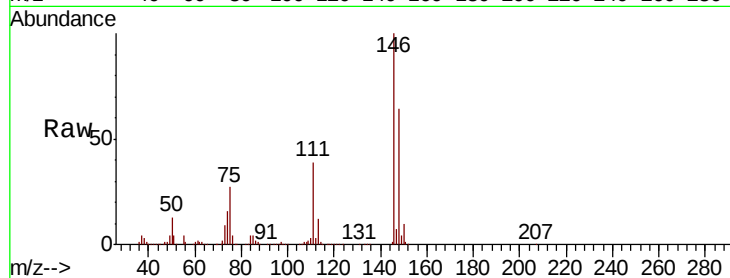




#91
 1,2-Dichlorobenzene
 Concen: 50.888 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

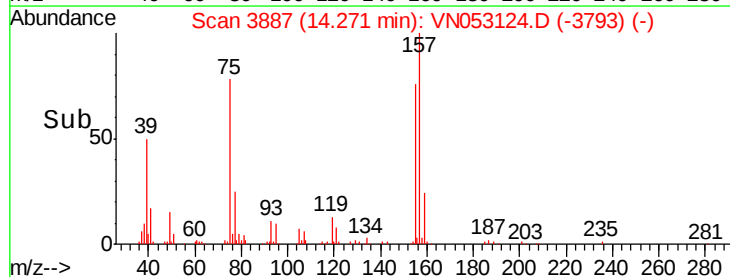
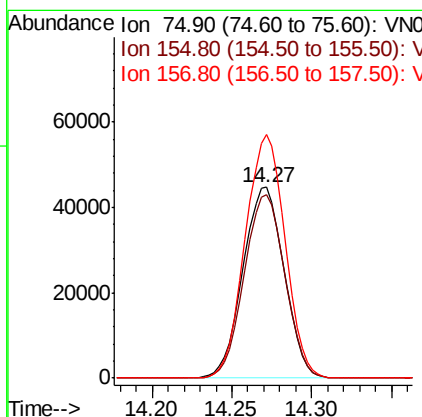
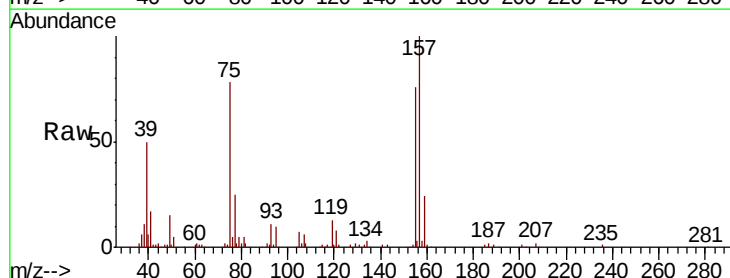
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

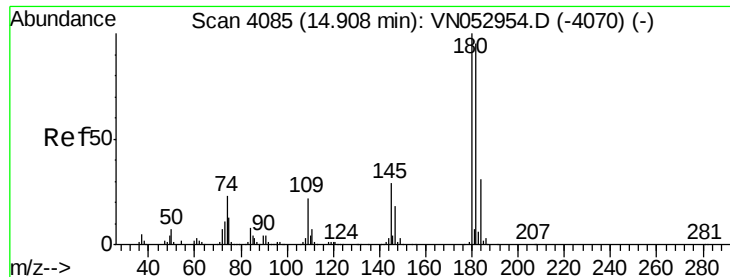
Tot Ion:146 Resp: 1136872
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.7 59.0
 148 63.8 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.949 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion: 75 Resp: 78670
 Ion Ratio Lower Upper
 75 100
 155 94.8 48.2 144.6
 157 123.5 61.2 183.5

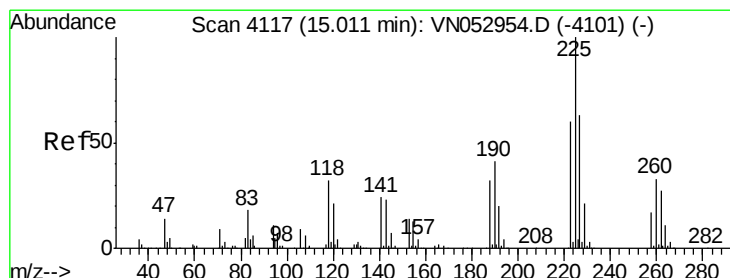
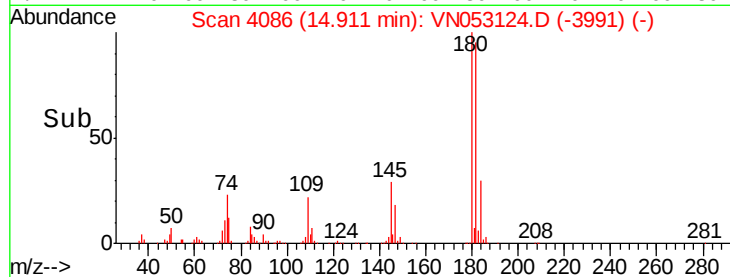
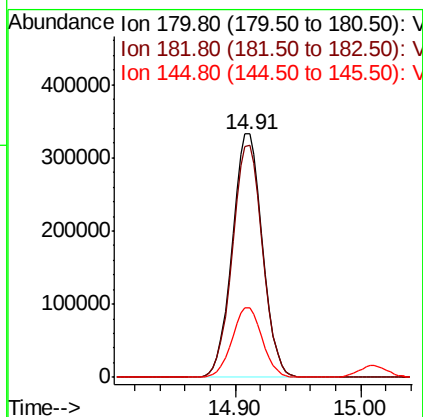
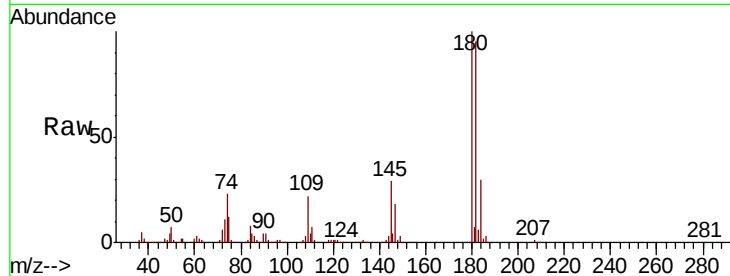




#93
 1,2,4-Trichlorobenzene
 Concen: 46.712 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

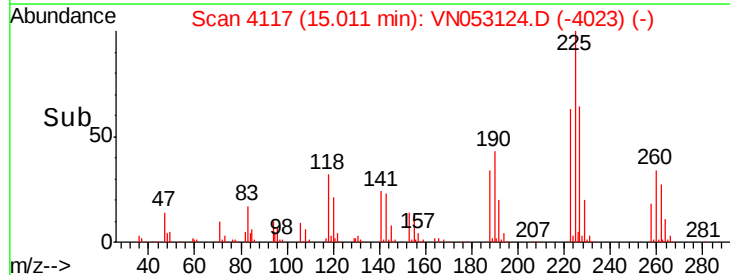
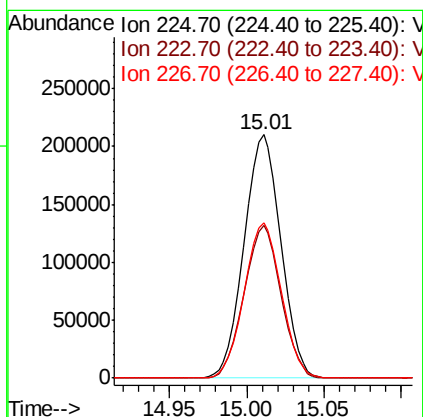
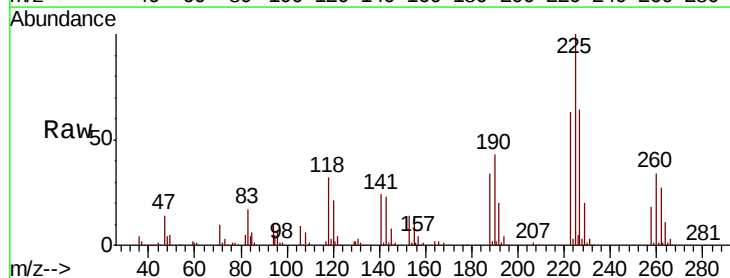
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

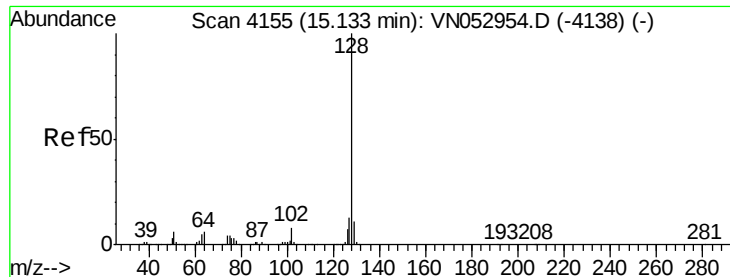
Tot Ion:180 Resp: 552423
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.3
 145 28.7 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 57.426 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053124.D
 Acq: 22 Dec 2018 10:24

Tgt Ion:225 Resp: 349320
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.5 94.5
 227 64.1 31.9 95.7





#95

Naphthalene

Concen: 43.209 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

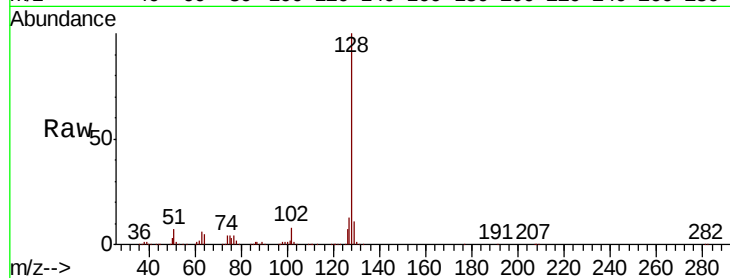
Tot Ion:128 Resp: 1116175

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

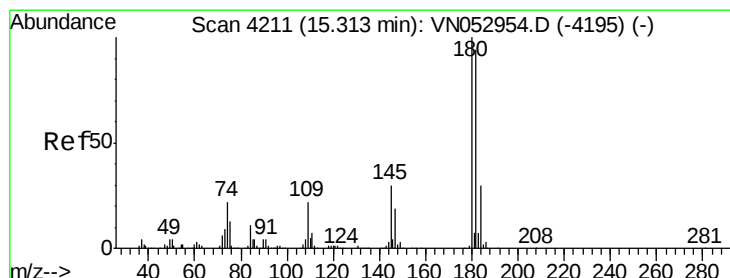
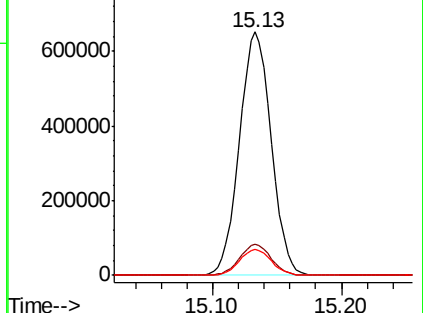
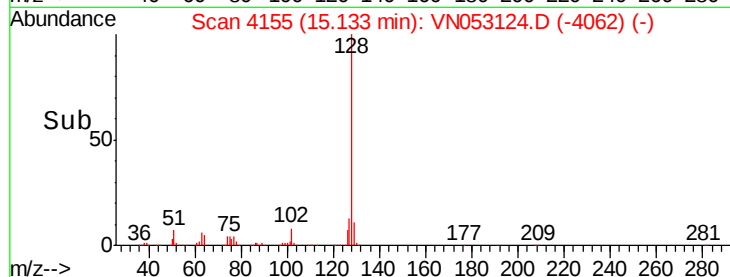
129 10.9 8.6 13.0



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: 45.702 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053124.D

Acq: 22 Dec 2018 10:24

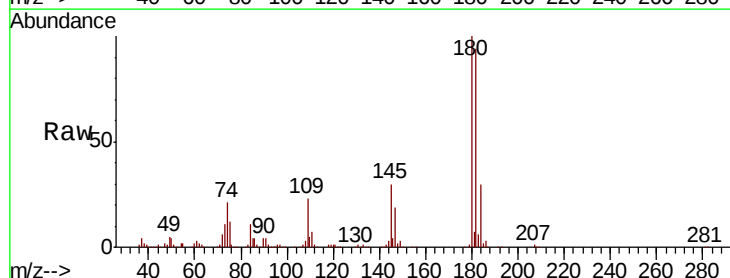
Tgt Ion:180 Resp: 486641

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.7

145 29.6 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

