

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053878.D
 Acq On : 21 Feb 2019 8:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 22 00:32:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	694270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1002451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	882026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	476855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	331152	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.59	113	322434	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	10.09	98	1215984	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.40	95	416856	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	283703	47.034	ug/l	99
3) Chloromethane	2.06	50	342727	45.704	ug/l	99
4) Vinyl Chloride	2.18	62	384712	47.792	ug/l	99
5) Bromomethane	2.57	94	282478	47.919	ug/l	99
6) Chloroethane	2.71	64	249189	47.898	ug/l	100
7) Trichlorofluoromethane	3.02	101	547197	47.871	ug/l	99
8) Diethyl Ether	3.41	74	178933	44.530	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	321754	46.706	ug/l	99
10) Methyl Iodide	3.95	142	470308	46.038	ug/l	100
11) Tert butyl alcohol	4.78	59	94710	213.824	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	299319	46.458	ug/l	100
13) Acrolein	3.61	56	35096	110.858	ug/l	99
14) Allyl chloride	4.32	41	466849	47.878	ug/l	100
15) Acrylonitrile	4.98	53	517030	231.709	ug/l	100
16) Acetone	3.82	43	508644	260.661	ug/l	99
17) Carbon Disulfide	4.05	76	927949	46.502	ug/l	100
18) Methyl Acetate	4.32	43	193425	41.999	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	768612	47.020	ug/l	100
20) Methylene Chloride	4.55	84	331981	45.442	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	325008	48.063	ug/l	98
22) Diisopropyl ether	5.95	45	902383	49.645	ug/l	99
23) Vinyl Acetate	5.89	43	3191496	244.236	ug/l	99
24) 1,1-Dichloroethane	5.85	63	577411	46.919	ug/l	99
25) 2-Butanone	6.83	43	602548	239.297	ug/l	98
26) 2,2-Dichloropropane	6.82	77	450992	48.293	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	362540	47.859	ug/l	99
28) Bromochloromethane	7.19	49	260122	48.430	ug/l	97
29) Tetrahydrofuran	7.21	42	371742	228.281	ug/l	99
30) Chloroform	7.37	83	576691	46.636	ug/l	99
31) Cyclohexane	7.65	56	551790	48.955	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	499335	47.196	ug/l	99
36) 1,1-Dichloropropene	7.79	75	459532	50.011	ug/l	98
37) Ethyl Acetate	6.92	43	247490	44.771	ug/l	99
38) Carbon Tetrachloride	7.77	117	449729	49.026	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	566767	53.529	ug/l	99
40) Benzene	8.04	78	1361471	50.120	ug/l	99
41) Methacrylonitrile	7.17	41	114177	37.788	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	396604	48.975	ug/l	99
43) Isopropyl Acetate	8.16	43	419951	42.847	ug/l #	87
44) Trichloroethene	8.83	130	391271	51.454	ug/l	97
45) 1,2-Dichloropropane	9.12	63	349639	50.416	ug/l	98
46) Dibromomethane	9.21	93	208374	49.901	ug/l	99
47) Bromodichloromethane	9.40	83	441528	50.122	ug/l	98
48) Methyl methacrylate	9.20	41	208272	49.562	ug/l	93
49) 1,4-Dioxane	9.20	88	65644	965.365	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1145128	227.992	ug/l	99
52) Toluene	10.16	92	829610	51.536	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	447683	52.336	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	524735	52.046	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	289406	49.180	ug/l	98
56) Ethyl methacrylate	10.43	69	336651	44.753	ug/l	100
57) 1,3-Dichloropropane	10.71	76	492619	49.718	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	764854	226.297	ug/l	99
59) 2-Hexanone	10.75	43	762837	248.078	ug/l	100
60) Dibromochloromethane	10.90	129	346060	50.381	ug/l	99
61) 1,2-Dibromoethane	11.00	107	284533	48.669	ug/l	99
64) Tetrachloroethene	10.63	164	388748	49.289	ug/l	98
65) Chlorobenzene	11.43	112	914088	49.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	339975	50.463	ug/l	99
67) Ethyl Benzene	11.51	91	1533318	51.318	ug/l	100
68) m/p-Xylenes	11.62	106	1209310	104.531	ug/l	99
69) o-Xylene	11.95	106	595450	53.463	ug/l	99
70) Styrene	11.96	104	972935	55.668	ug/l	100
71) Bromoform	12.13	173	243250	50.876	ug/l #	99
73) Isopropylbenzene	12.25	105	1563976	46.556	ug/l	100
74) N-amyl acetate	12.07	43	344117	44.607	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	340362	42.854	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	425842	60.832	ug/l #	100
77) Bromobenzene	12.53	156	413324	45.865	ug/l	99
78) n-propylbenzene	12.59	91	1850269	49.253	ug/l	99
79) 2-Chlorotoluene	12.67	91	1153681	50.933	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1466496	52.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	95920	45.235	ug/l	100
82) 4-Chlorotoluene	12.77	91	1179020	52.248	ug/l	100
83) tert-Butylbenzene	12.99	119	1265745	50.552	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1487661	53.193	ug/l	99
85) sec-Butylbenzene	13.17	105	1745384	51.772	ug/l	100
86) p-Isopropyltoluene	13.29	119	1551658	53.032	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	797847	50.736	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	784636	49.589	ug/l	99
89) n-Butylbenzene	13.62	91	1325327	55.083	ug/l	99
90) Hexachloroethane	13.87	117	257191	46.013	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	769105	49.851	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53341	46.025	ug/l	99

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QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration

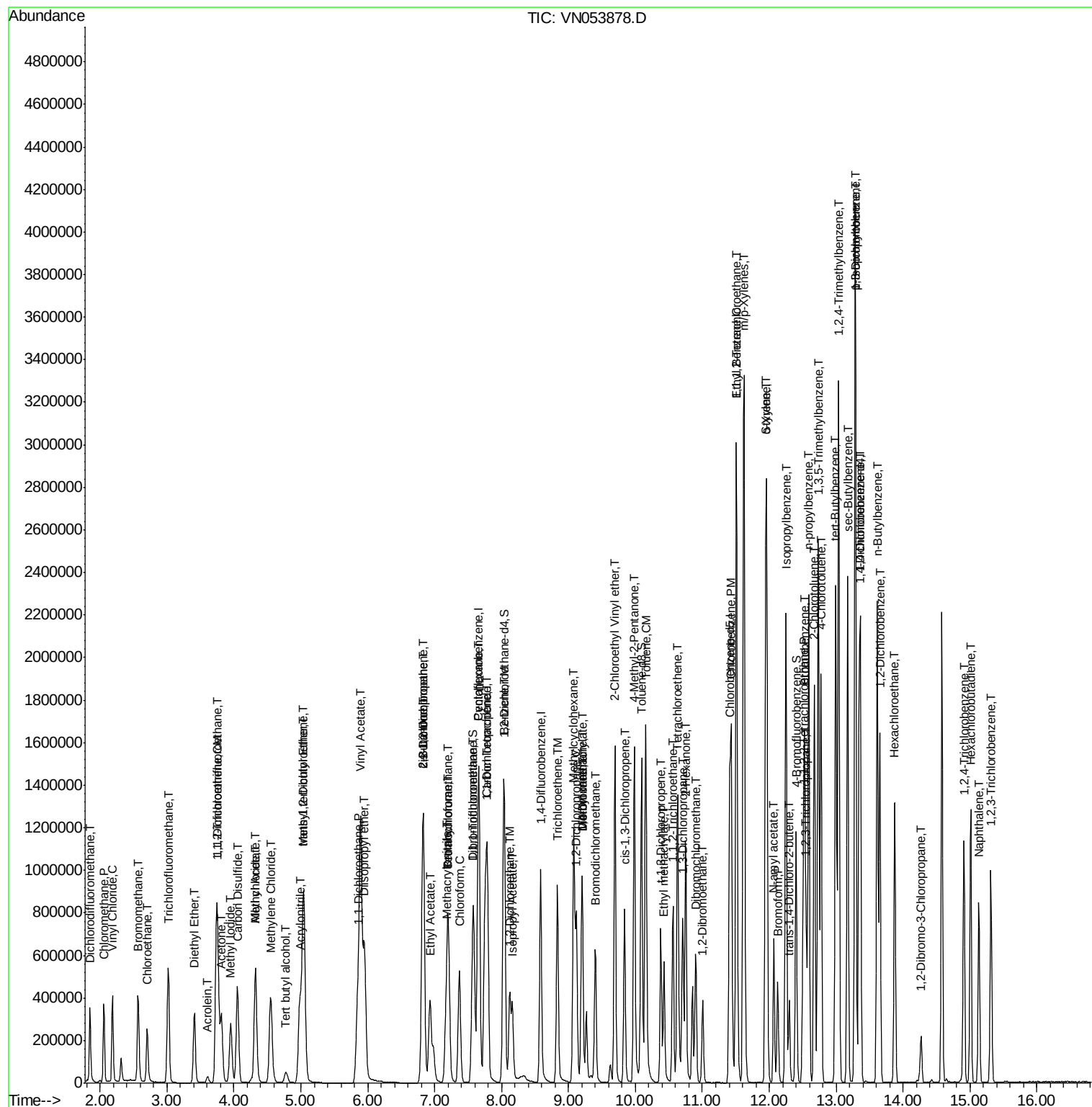
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	422158	45.451	ug/l	98
94) Hexachlorobutadiene	15.01	225	287892	44.745	ug/l	99
95) Naphthalene	15.13	128	751832	40.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	396606	44.996	ug/l	100

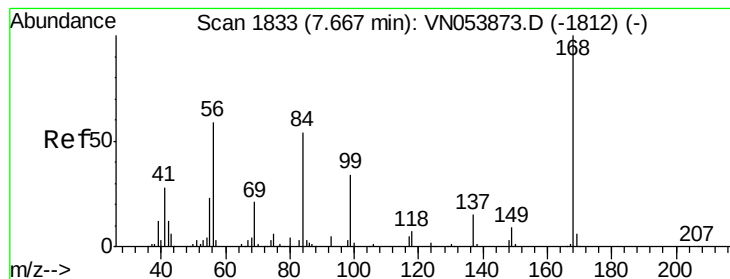
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022119\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

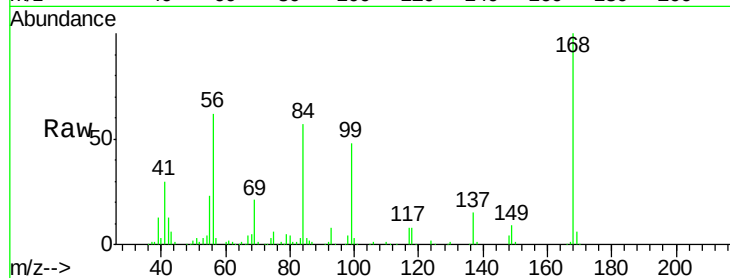
VSTDCCC050

Tot Ion:168 Resp: 694270

Ion Ratio Lower Upper

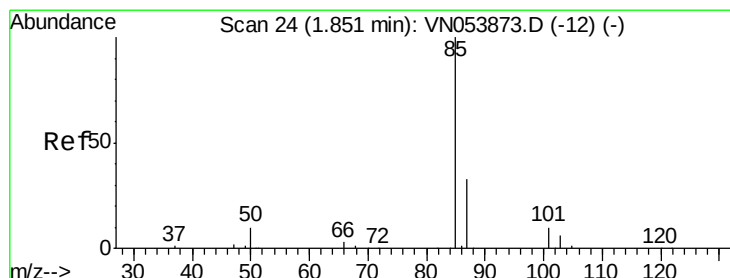
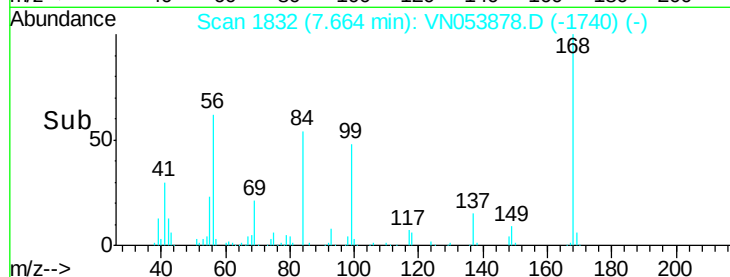
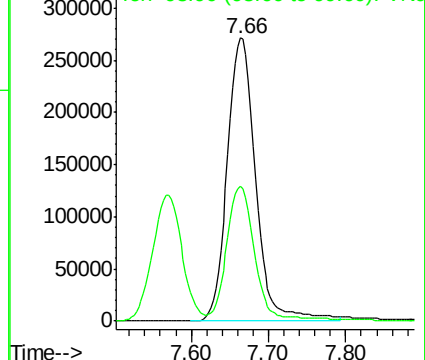
168 100

99 47.1 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.034 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053878.D

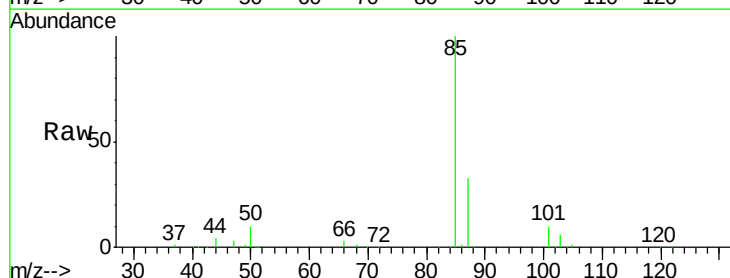
Acq: 21 Feb 2019 8:34

Tgt Ion: 85 Resp: 283703

Ion Ratio Lower Upper

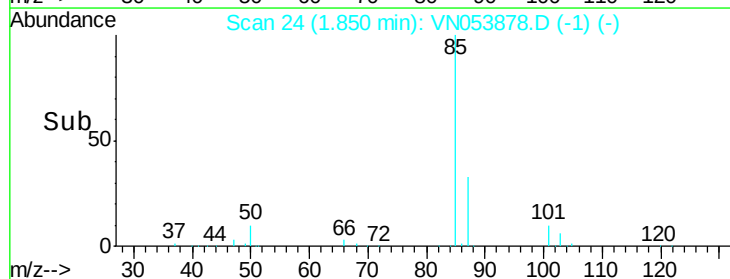
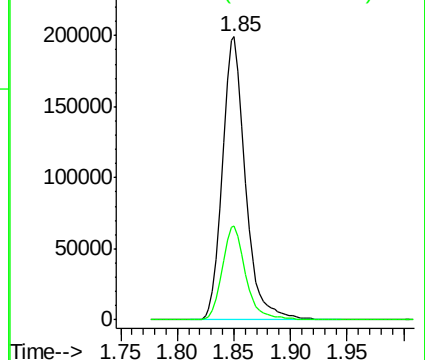
85 100

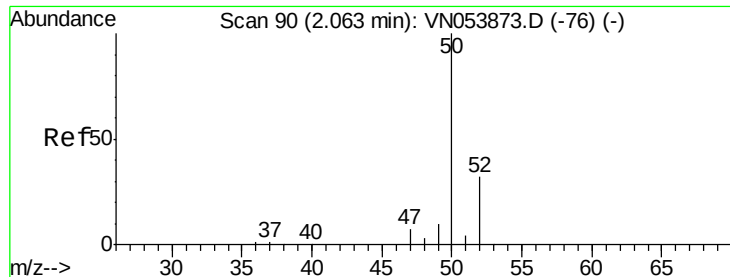
87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.704 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.01 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

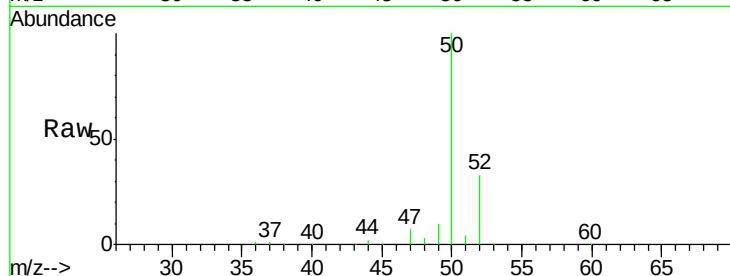
VSTDCCC050

Tot Ion: 50 Resp: 342727

Ion Ratio Lower Upper

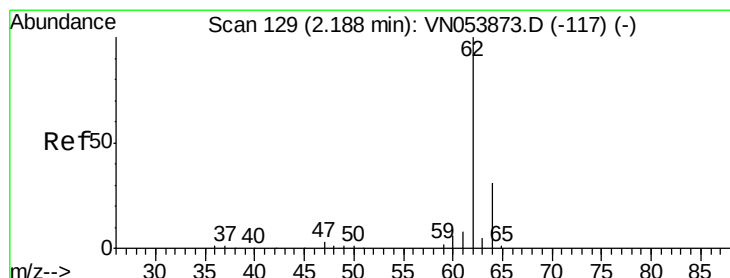
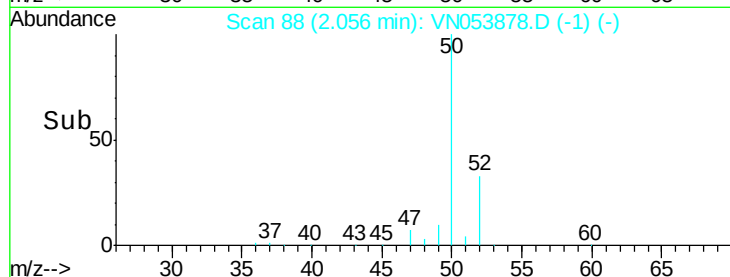
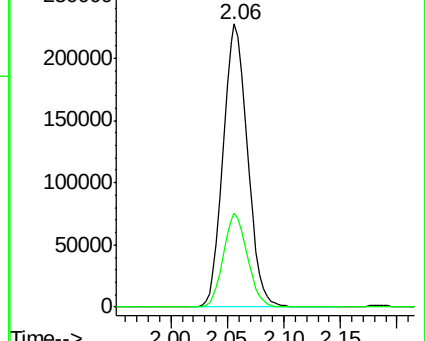
50 100

52 33.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.792 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053878.D

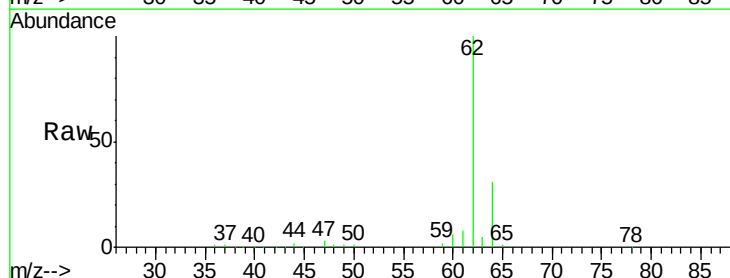
Acq: 21 Feb 2019 8:34

Tgt Ion: 62 Resp: 384712

Ion Ratio Lower Upper

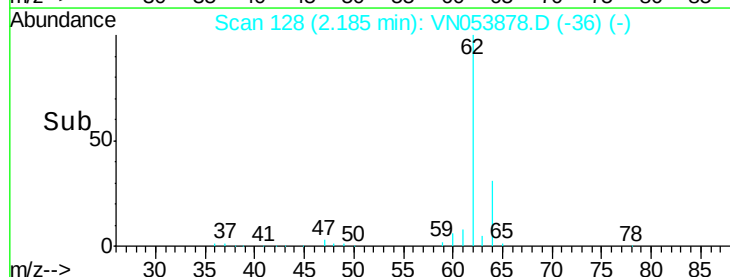
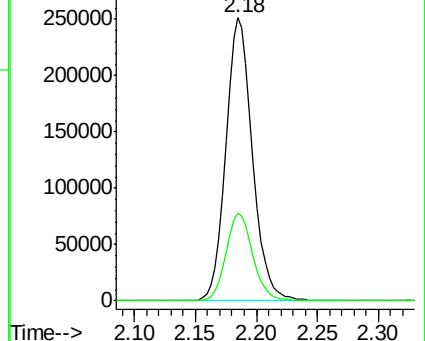
62 100

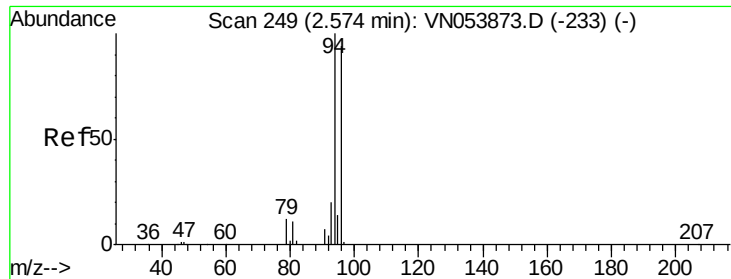
64 30.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 47.919 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

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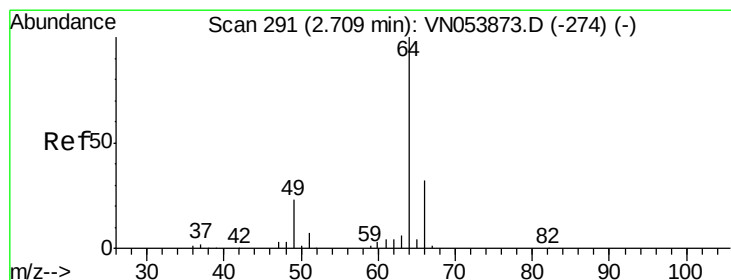
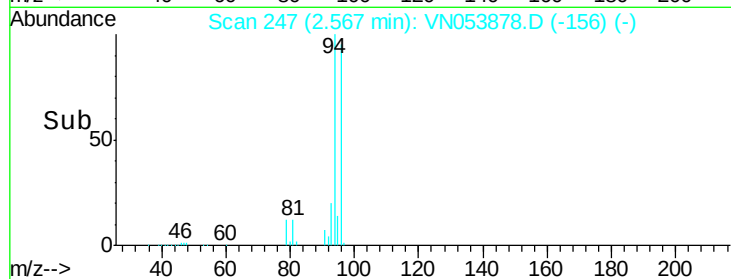
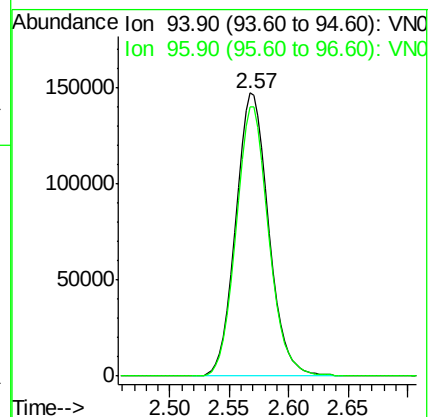
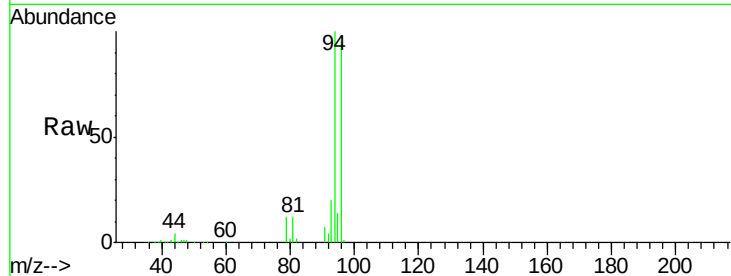
VSTDCCC050

Tot Ion: 94 Resp: 282478

Ion Ratio Lower Upper

94 100

96 95.0 74.9 112.3



#6

Chloroethane

Concen: 47.898 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053878.D

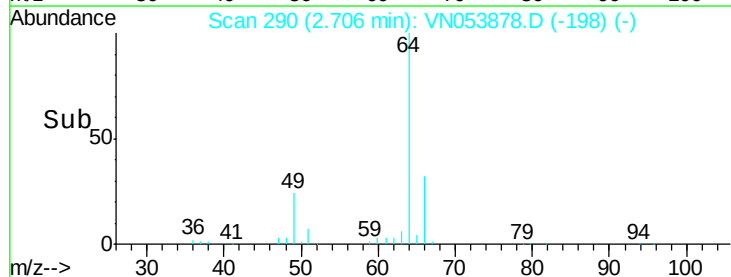
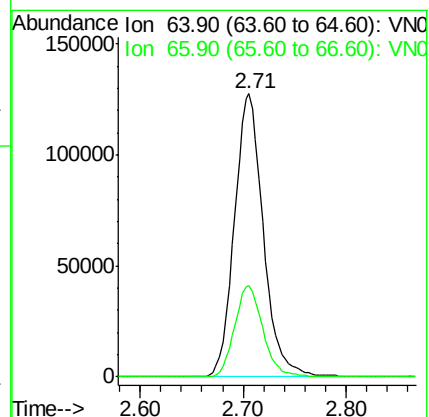
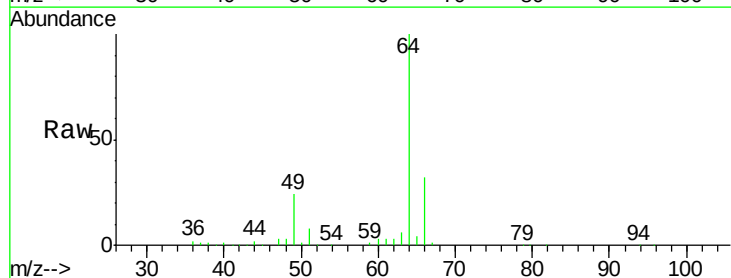
Acq: 21 Feb 2019 8:34

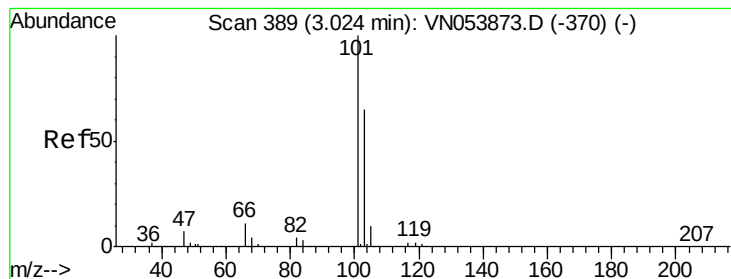
Tgt Ion: 64 Resp: 249189

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



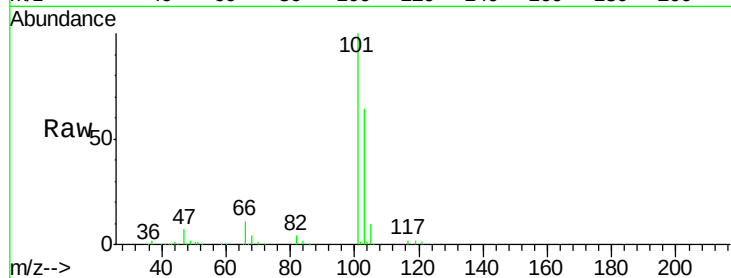


#7

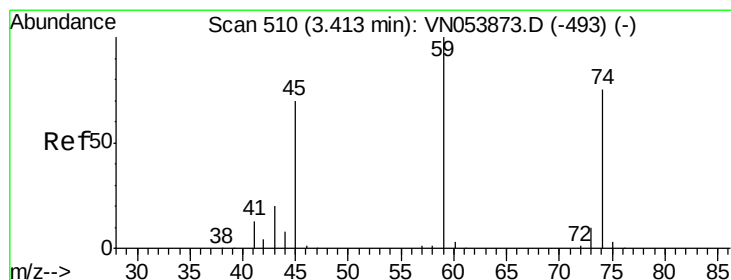
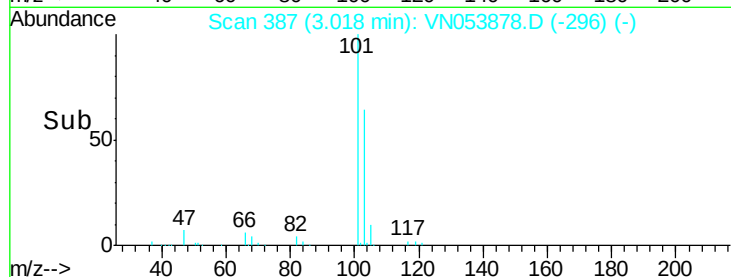
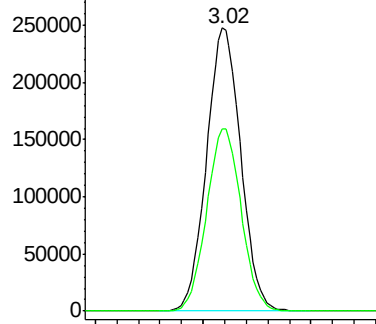
Trichlorofluoromethane
 Concen: 47.871 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
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Tot Ion:101 Resp: 547197
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.9 77.9



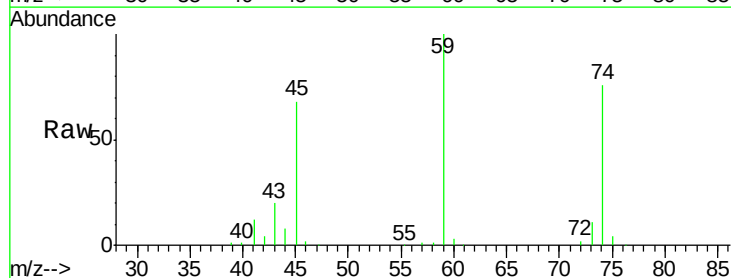
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



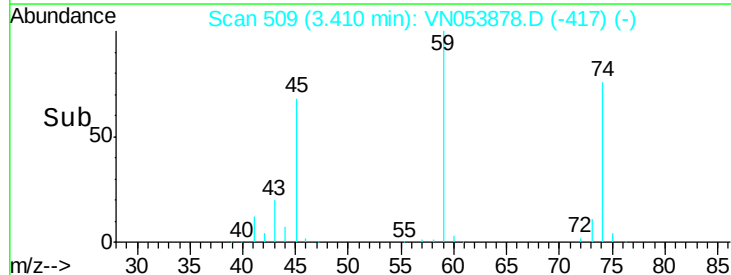
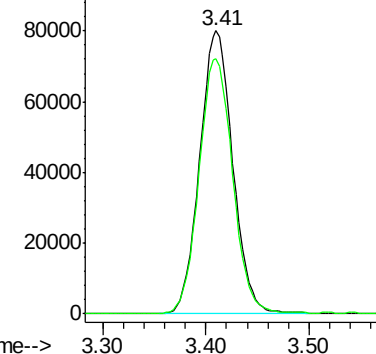
#8

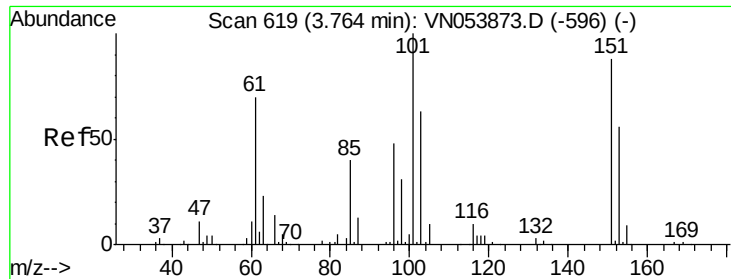
Diethyl Ether
 Concen: 44.530 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053878.D
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Tgt Ion: 74 Resp: 178933
 Ion Ratio Lower Upper
 74 100
 45 91.9 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.706 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053878.D

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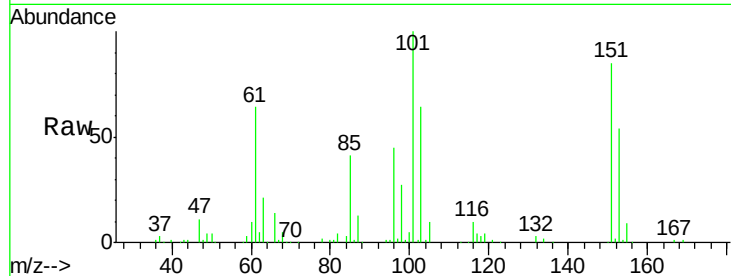
Tot Ion:101 Resp: 321754

Ion Ratio Lower Upper

101 100

85 41.1 32.5 48.7

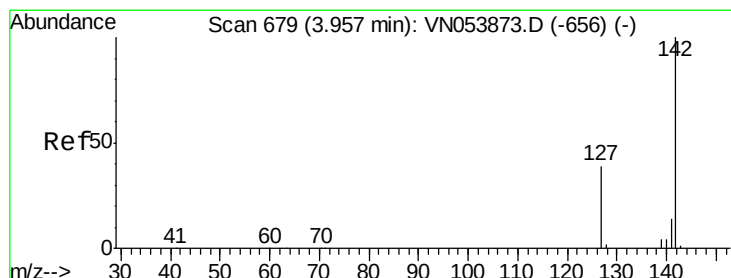
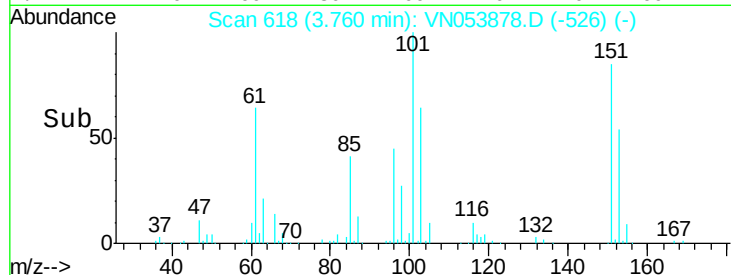
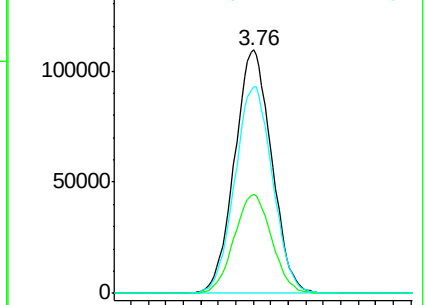
151 86.6 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.038 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

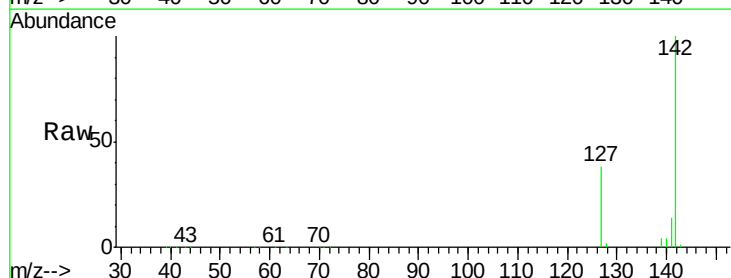
Tgt Ion:142 Resp: 470308

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.4

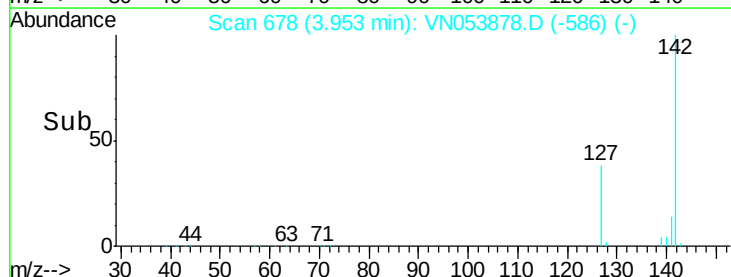
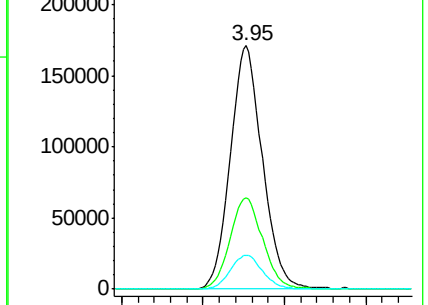
141 14.1 11.3 16.9

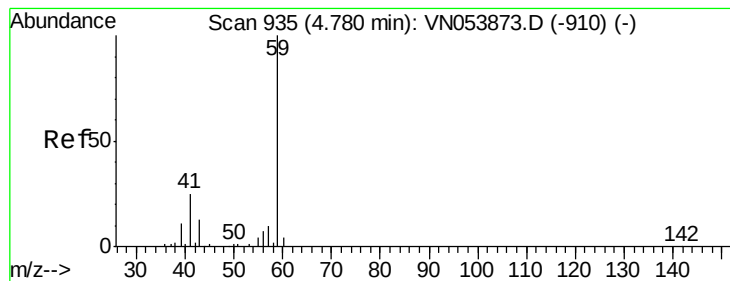


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



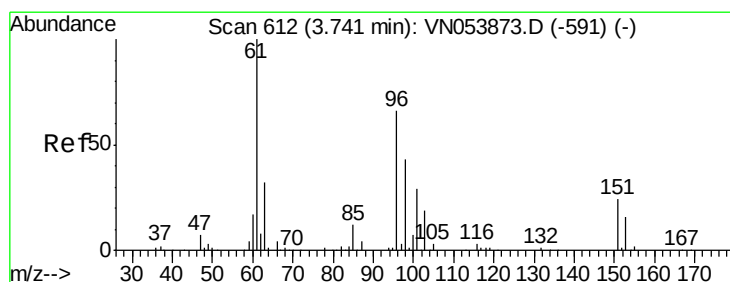
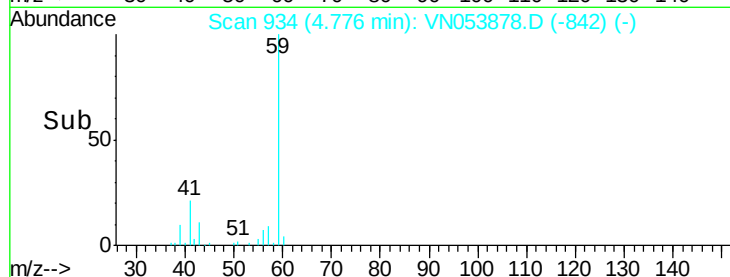
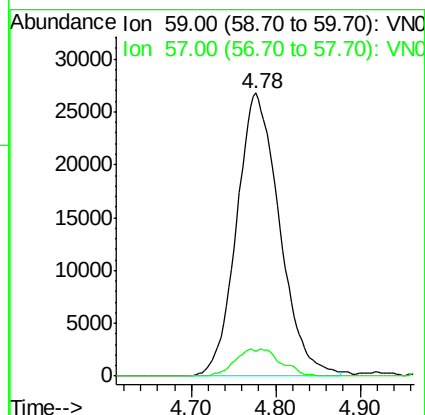
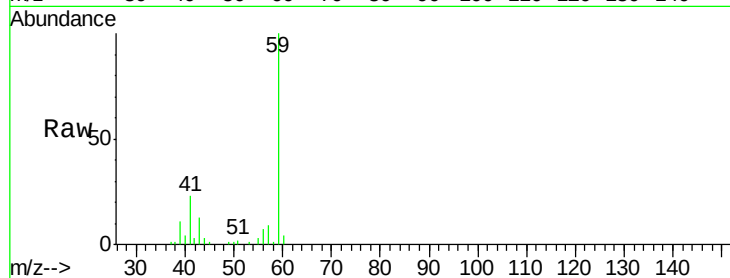


#11

Tert butyl alcohol
 Concen: 213.824 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

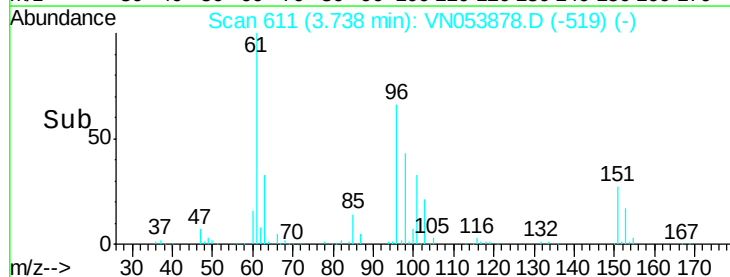
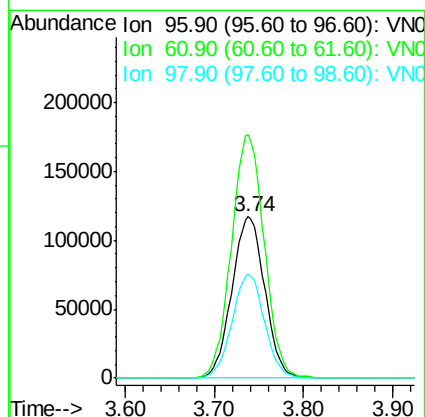
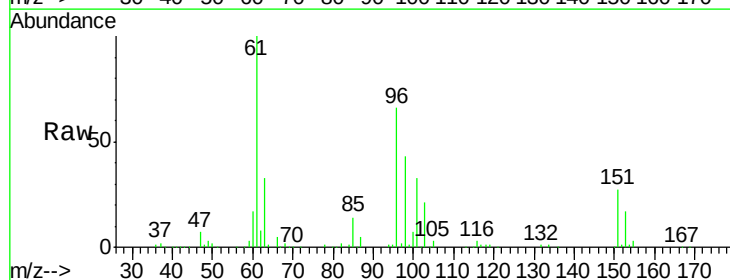
Tot Ion: 59 Resp: 94710
 Ion Ratio Lower Upper
 59 100
 57 4.8 8.1 12.1#

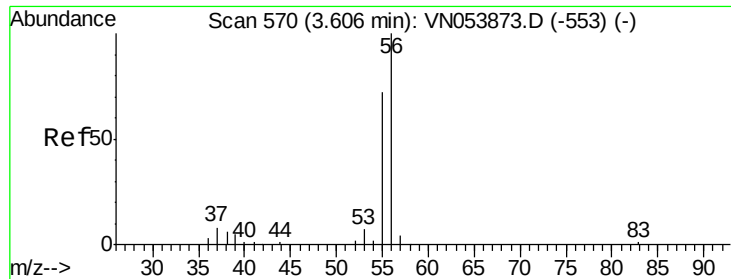


#12

1,1-Dichloroethene
 Concen: 46.458 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion: 96 Resp: 299319
 Ion Ratio Lower Upper
 96 100
 61 151.1 121.0 181.4
 98 64.3 52.2 78.2





#13

Acrolein

Concen: 110.858 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

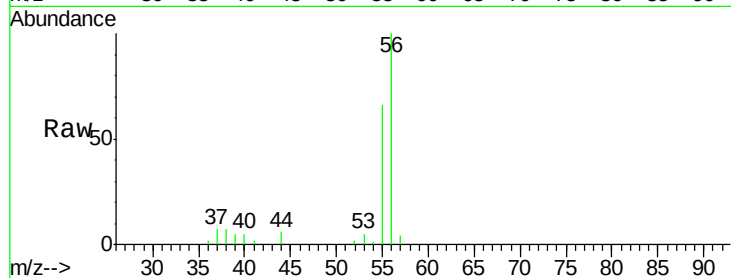
VSTDCCC050

Tot Ion: 56 Resp: 35096

Ion Ratio Lower Upper

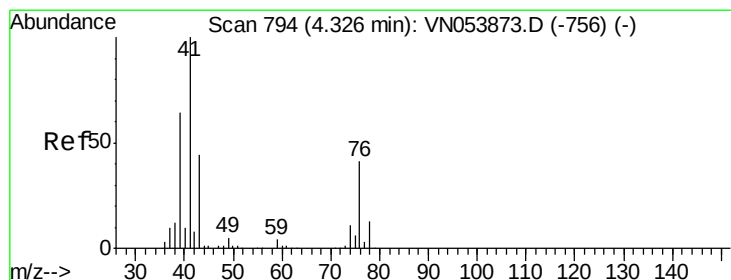
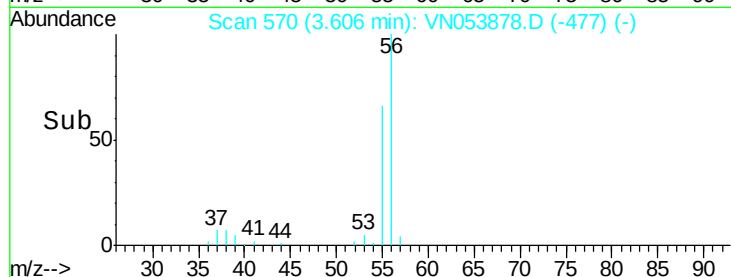
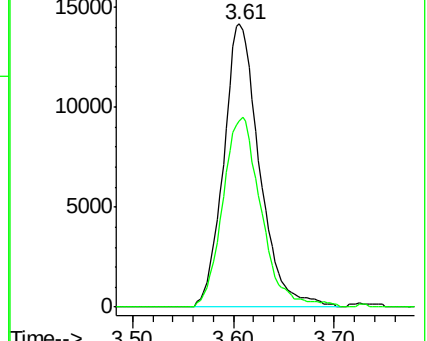
56 100

55 71.5 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.878 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

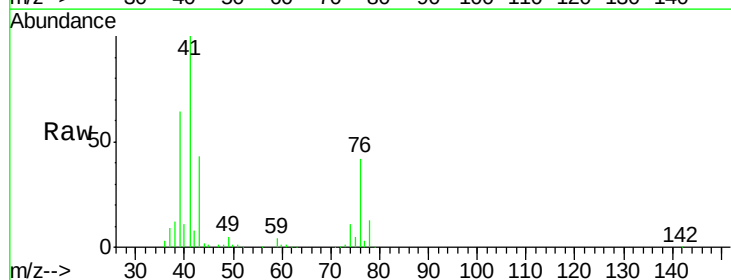
Tgt Ion: 41 Resp: 466849

Ion Ratio Lower Upper

41 100

39 61.3 48.8 73.2

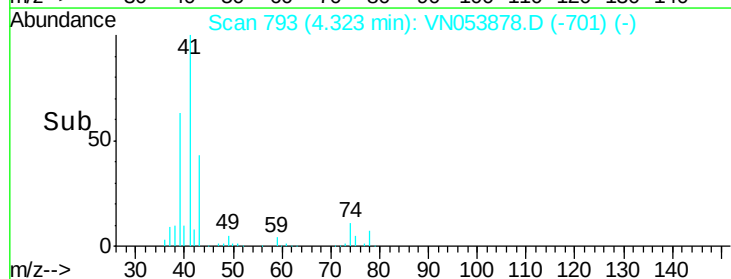
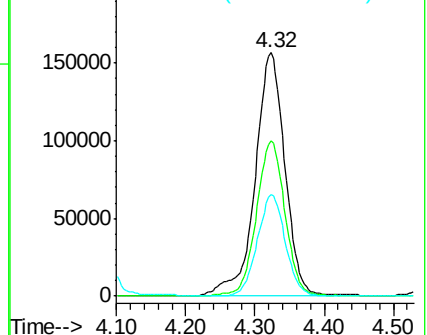
76 38.7 30.9 46.3

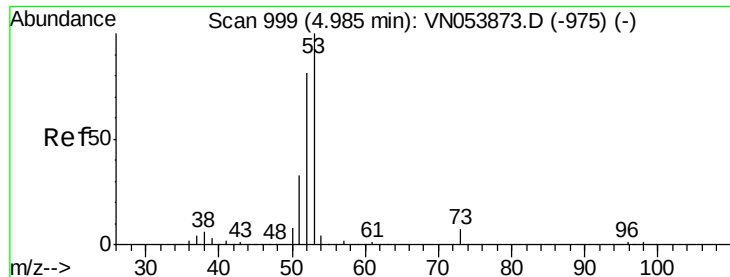


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 231.709 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

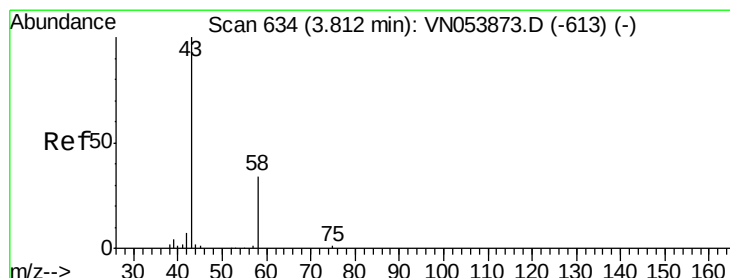
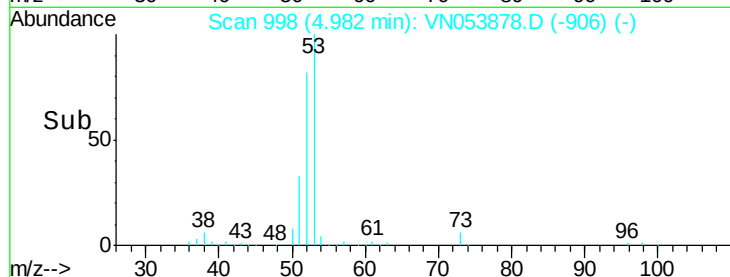
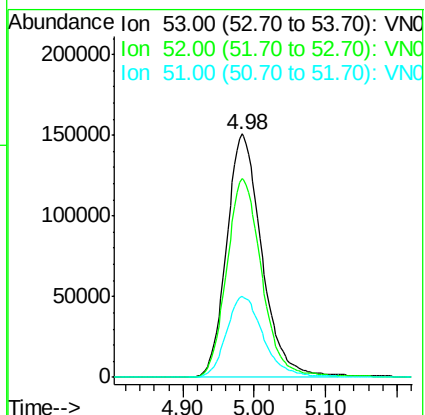
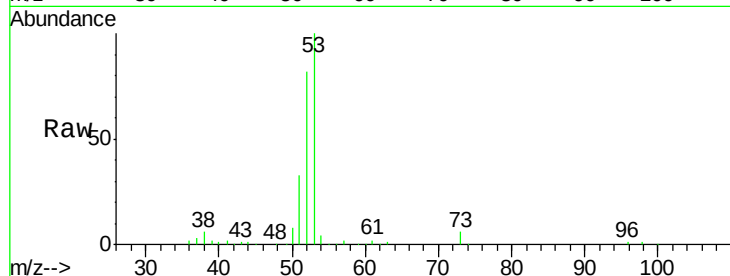
Tot Ion: 53 Resp: 517030

Ion Ratio Lower Upper

53 100

52 81.5 65.1 97.7

51 34.7 28.2 42.4



#16

Acetone

Concen: 260.661 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053878.D

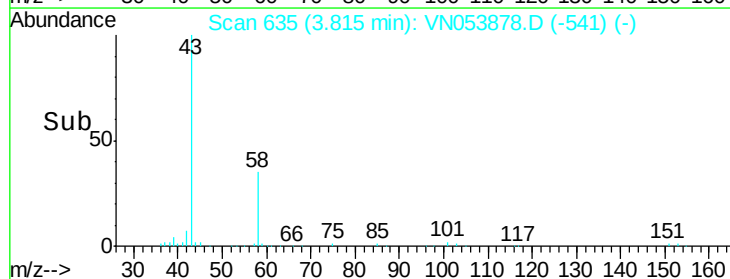
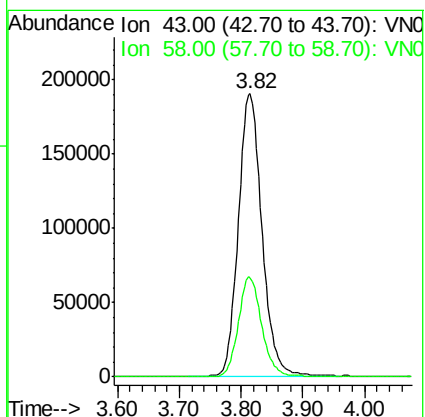
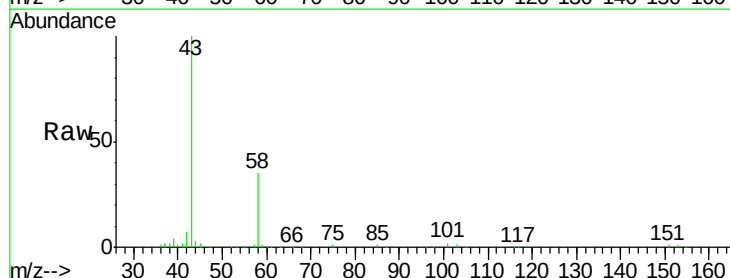
Acq: 21 Feb 2019 8:34

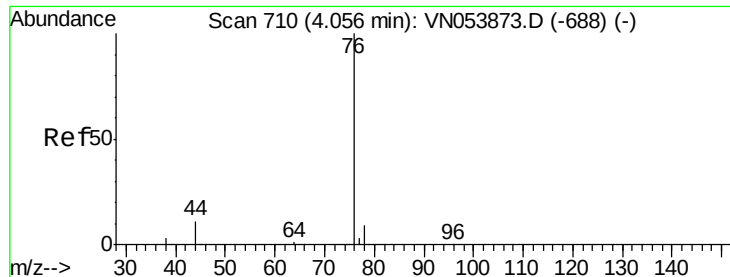
Tgt Ion: 43 Resp: 508644

Ion Ratio Lower Upper

43 100

58 35.2 27.6 41.4





#17

Carbon Disulfide

Concen: 46.502 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

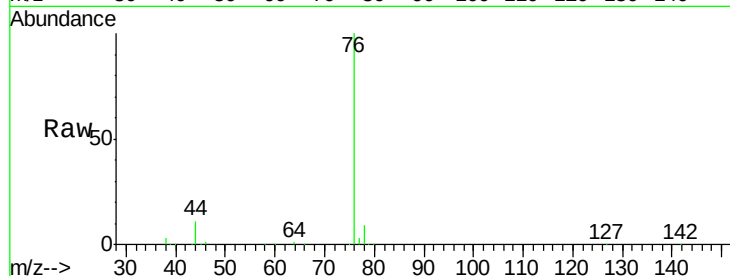
VSTDCCC050

Tot Ion: 76 Resp: 927949

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053878.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN053878.D (-688) (-)

4.05

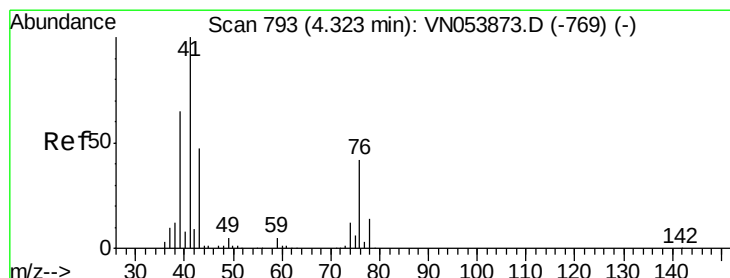
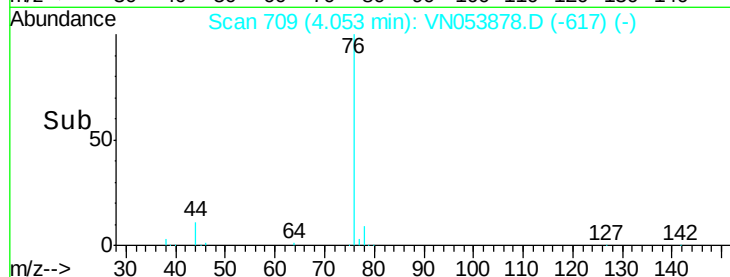
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 41.999 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053878.D

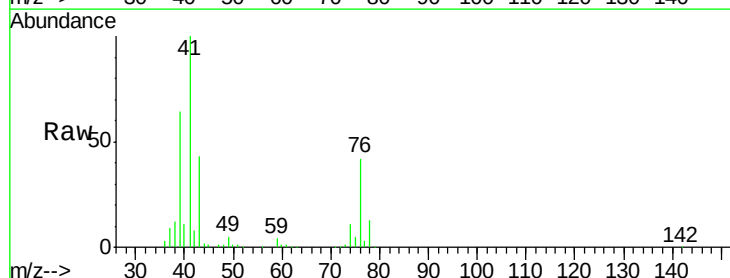
Acq: 21 Feb 2019 8:34

Tgt Ion: 43 Resp: 193425

Ion Ratio Lower Upper

43 100

74 25.3 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053878.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053878.D (-700) (-)

4.32

80000

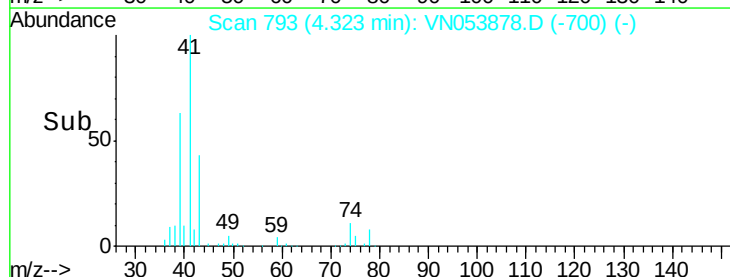
60000

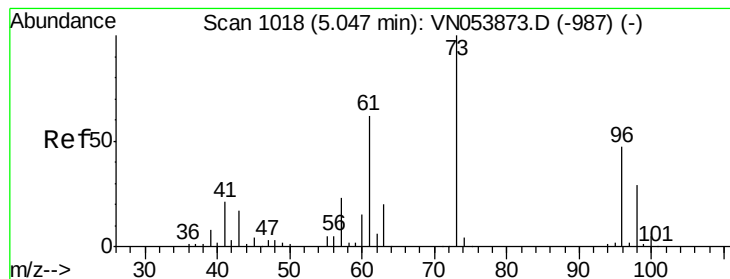
40000

20000

0

Time-->





#19

Methvl tert-butvl Ether

Concen: 47.020 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

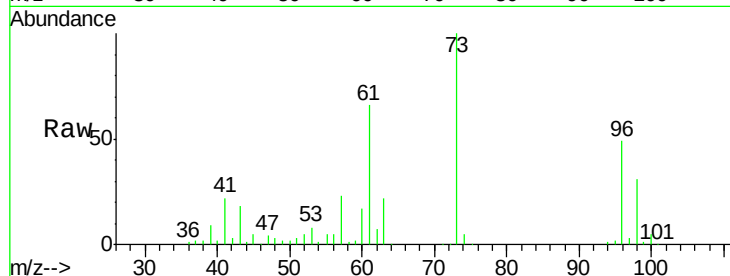
VSTDCCC050

Tot Ion: 73 Resp: 768612

Ion Ratio Lower Upper

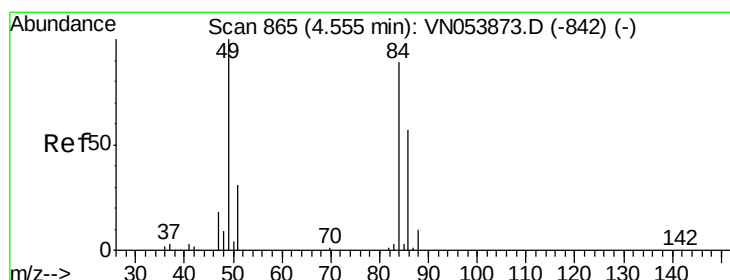
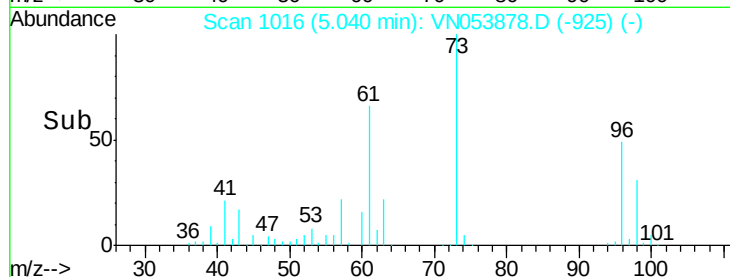
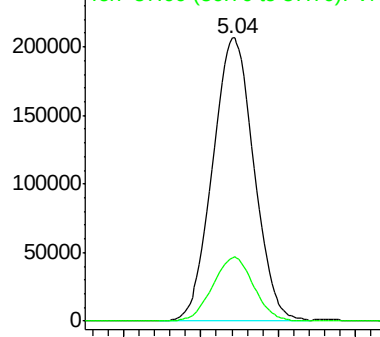
73 100

57 22.6 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 45.442 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Tgt Ion: 84 Resp: 331981

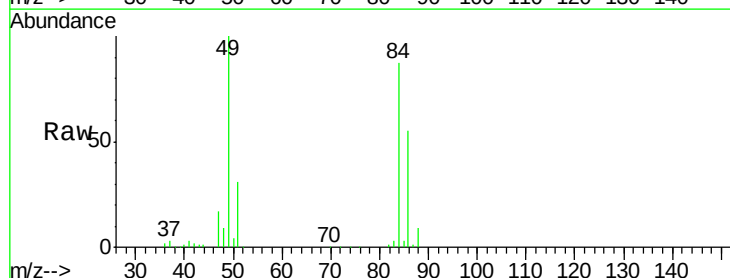
Ion Ratio Lower Upper

84 100

49 115.3 89.7 134.5

51 35.9 27.8 41.8

86 63.6 51.3 76.9

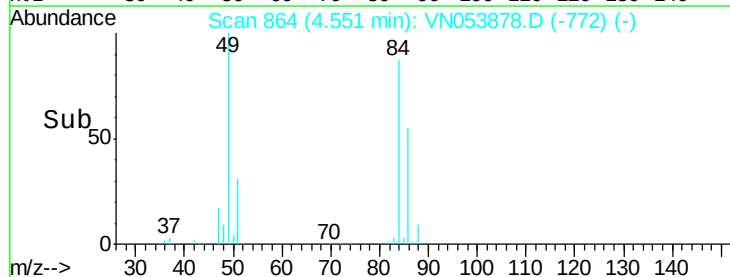
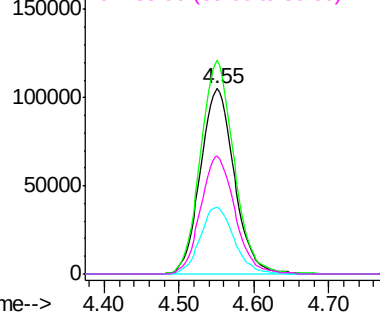


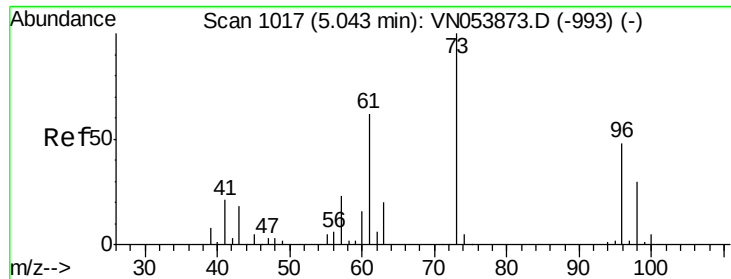
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

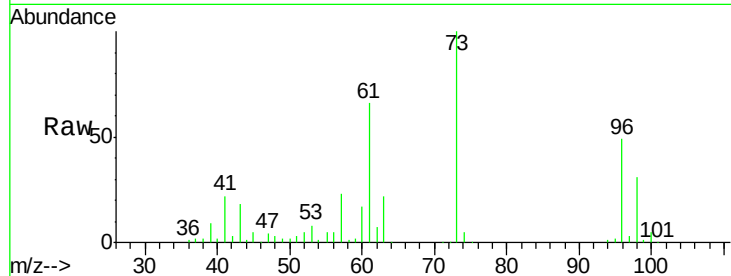




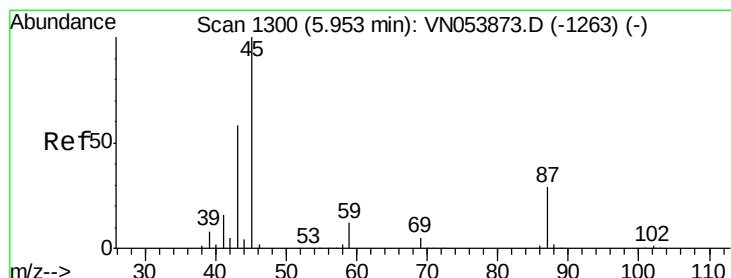
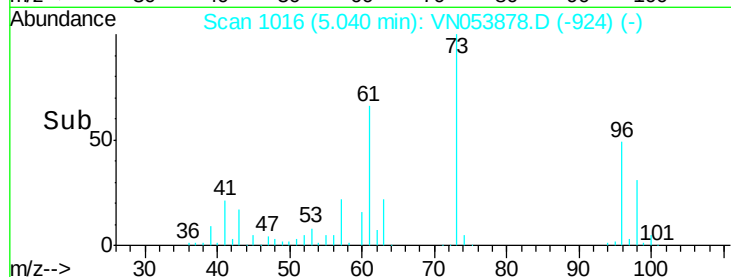
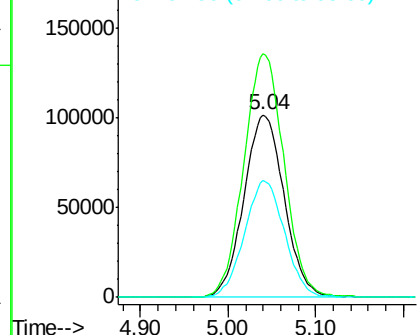
#21
trans-1,2-Dichloroethene
Concen: 48.063 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 325008
Ion Ratio Lower Upper
96 100
61 133.5 104.5 156.7
98 64.0 50.6 76.0

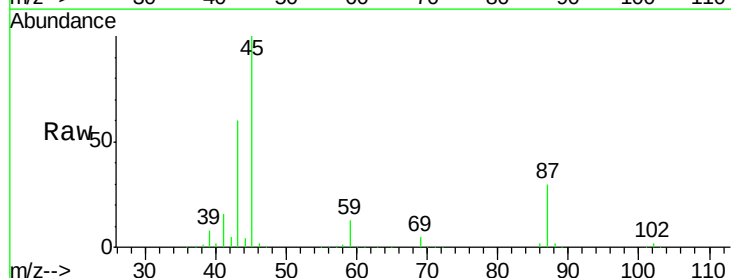


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

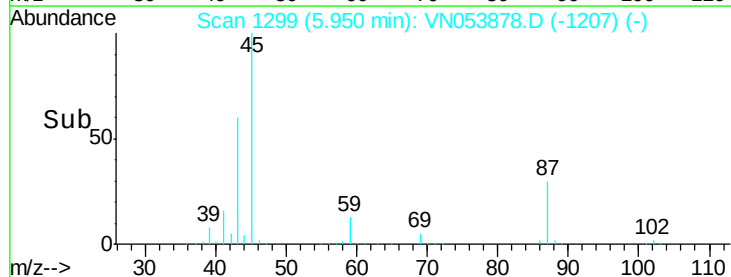
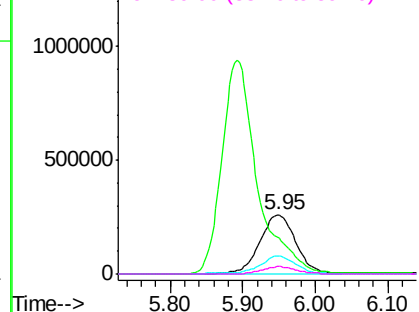


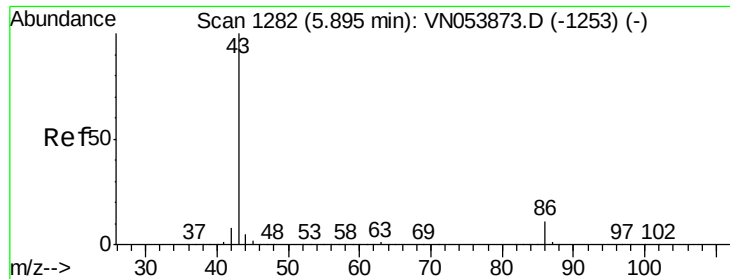
#22
Diisopropyl ether
Concen: 49.645 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 45 Resp: 902383
Ion Ratio Lower Upper
45 100
43 58.5 46.2 69.4
87 29.5 23.4 35.0
59 12.4 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: 244.236 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

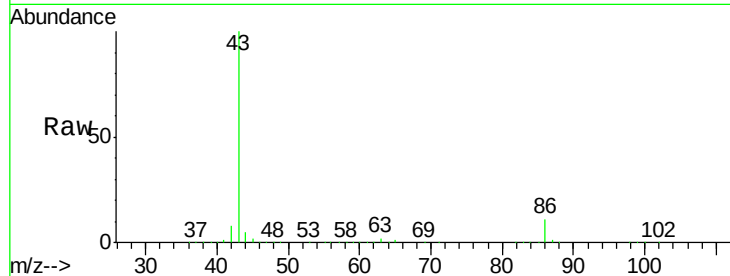
VSTDCCC050

Tot Ion: 43 Resp: 3191496

Ion Ratio Lower Upper

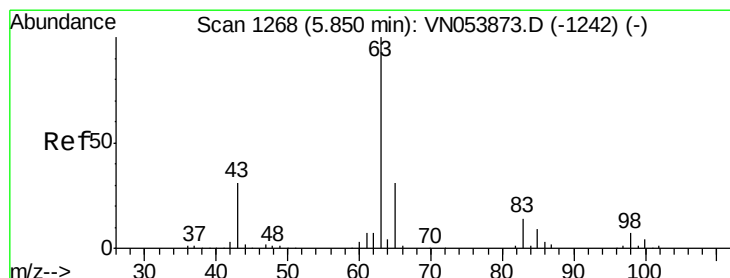
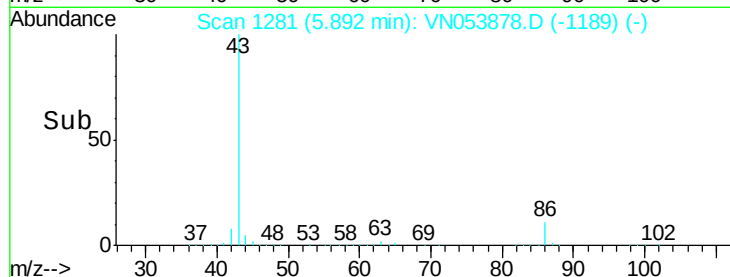
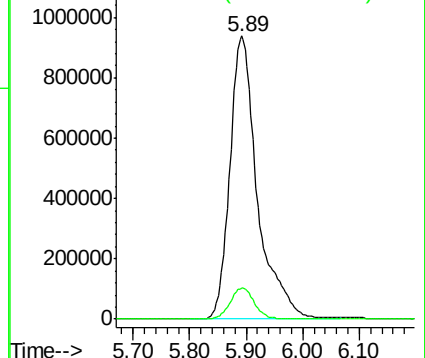
43 100

86 10.9 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.919 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

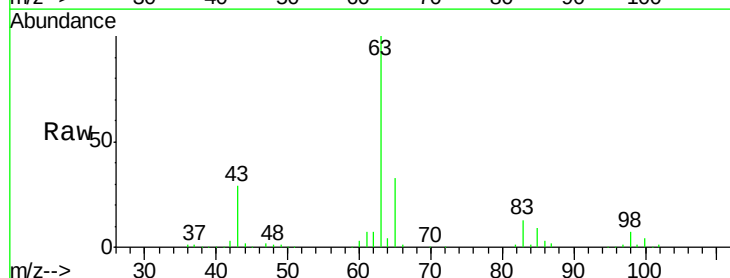
Tgt Ion: 63 Resp: 577411

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

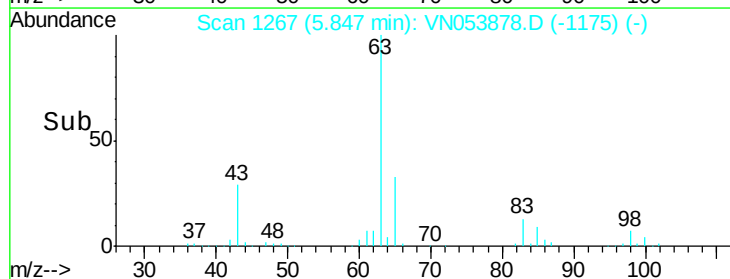
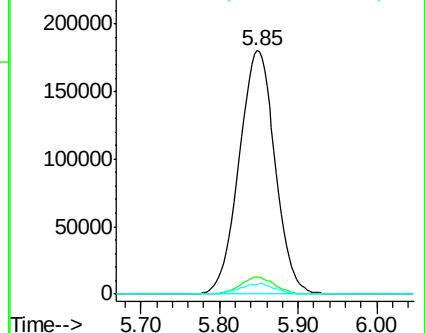
100 4.1 2.2 6.6

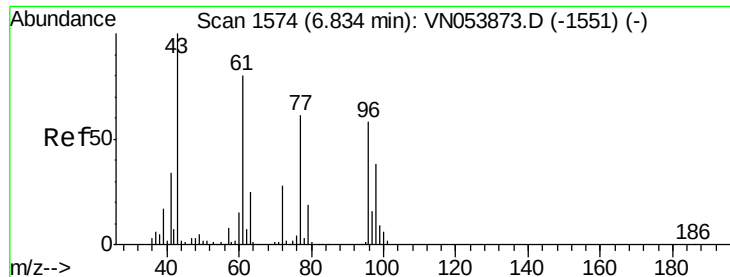


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 239.297 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

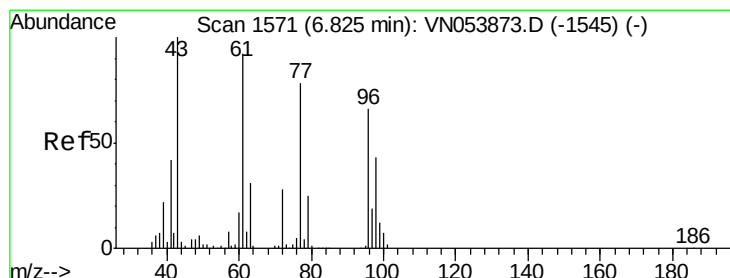
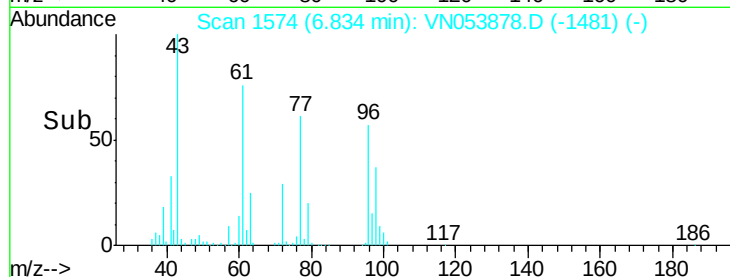
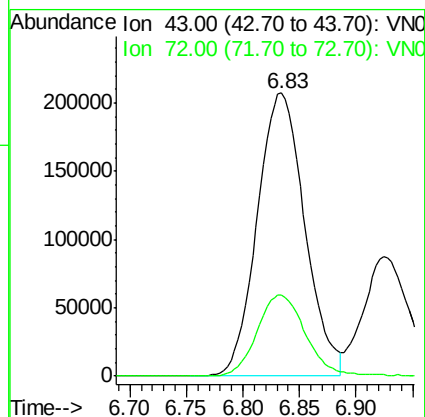
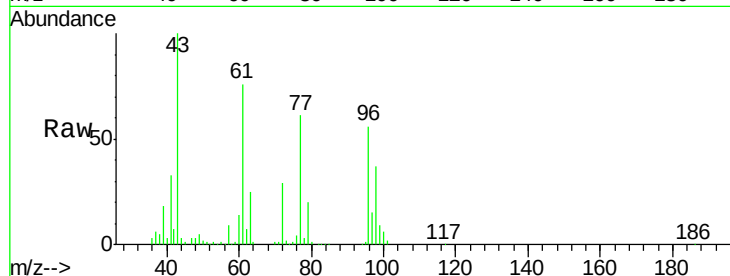
VSTDCCC050

Tot Ion: 43 Resp: 602548

Ion Ratio Lower Upper

43 100

72 28.6 22.1 33.1



#26

2,2-Dichloropropane

Concen: 48.293 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053878.D

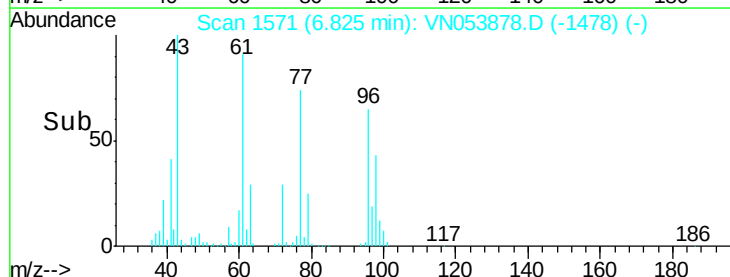
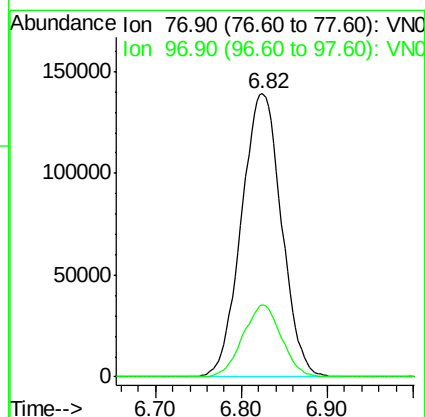
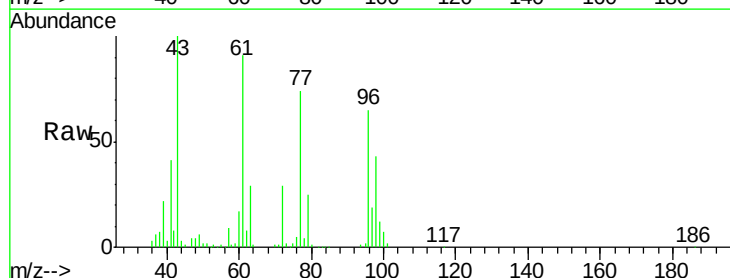
Acq: 21 Feb 2019 8:34

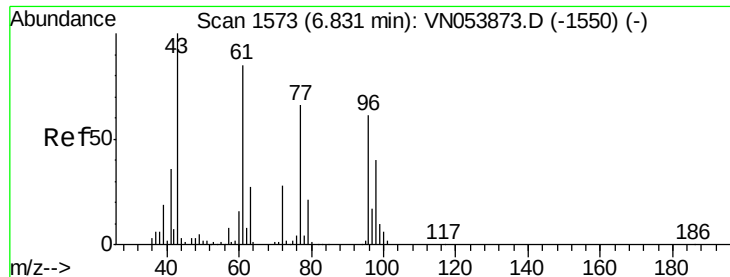
Tgt Ion: 77 Resp: 450992

Ion Ratio Lower Upper

77 100

97 24.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.859 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

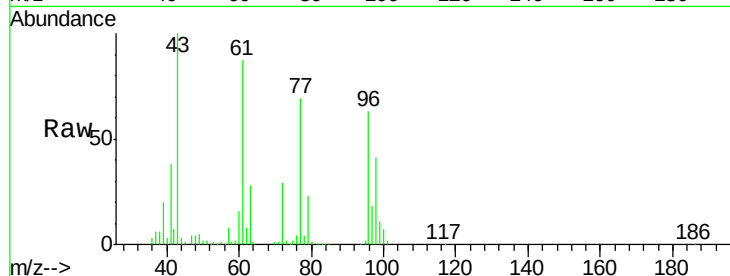
Tot Ion: 96 Resp: 362540

Ion Ratio Lower Upper

96 100

61 138.9 0.0 275.6

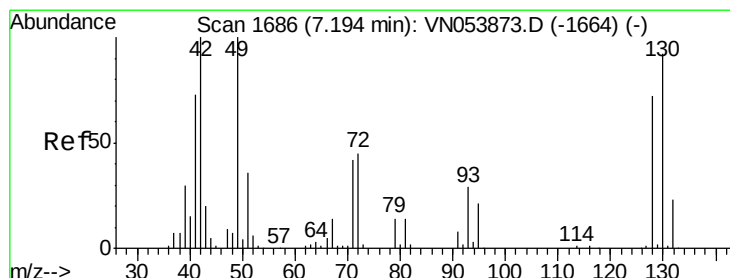
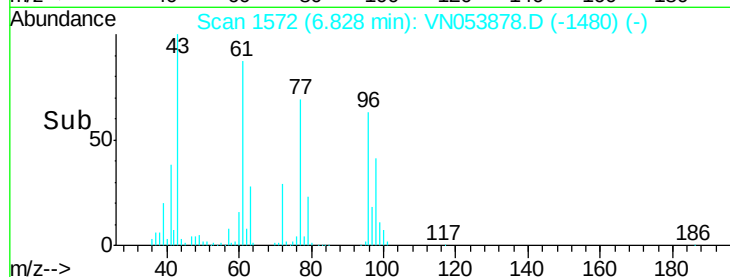
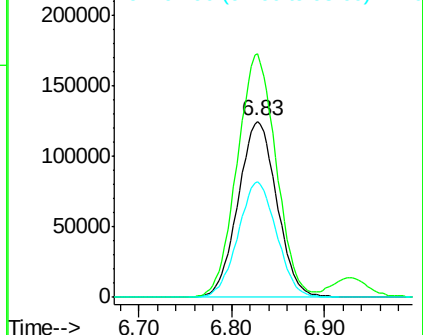
98 65.2 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.430 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

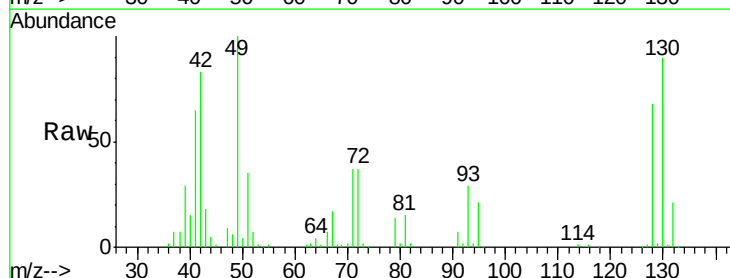
Tgt Ion: 49 Resp: 260122

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.6

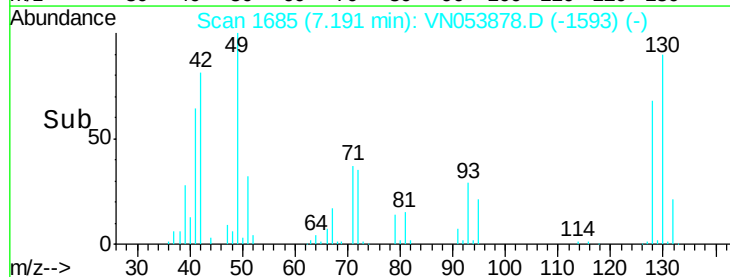
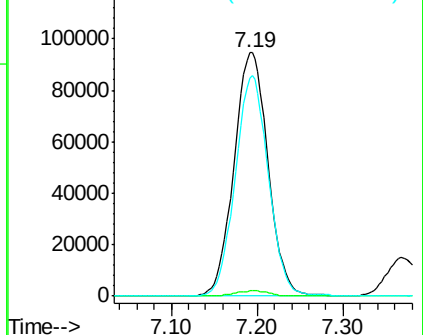
130 88.5 72.9 109.3

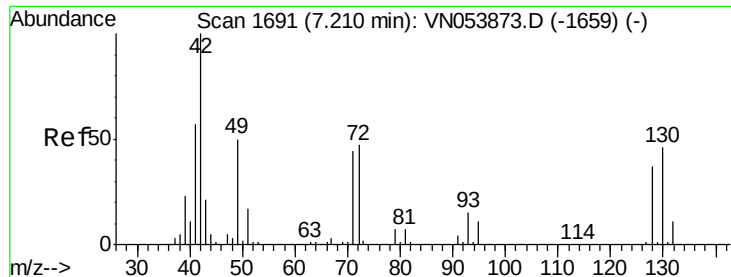


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

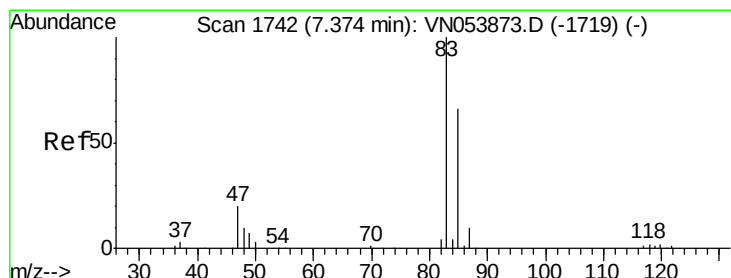
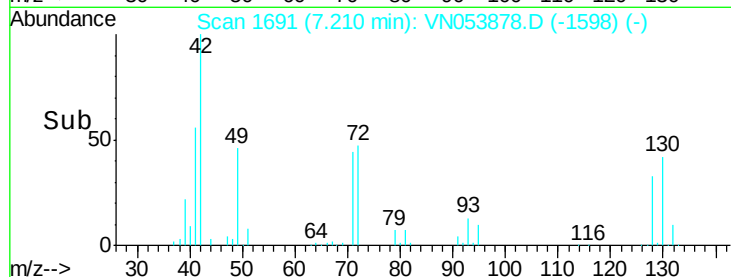
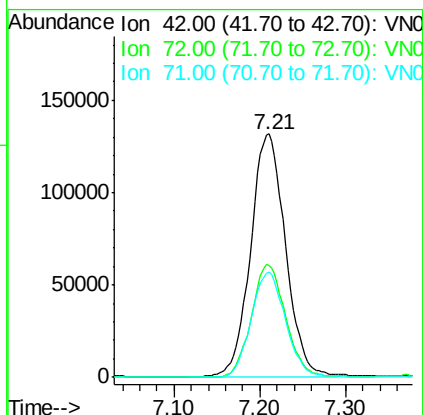
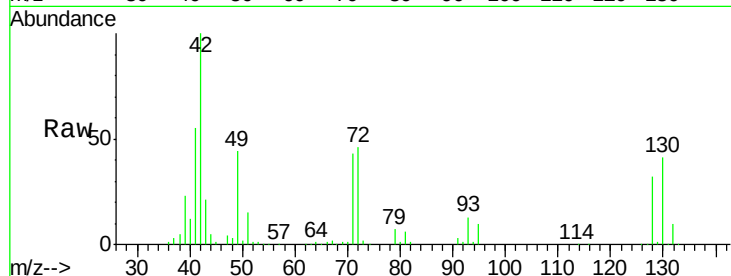




#29
Tetrahydrofuran
Concen: 228.281 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

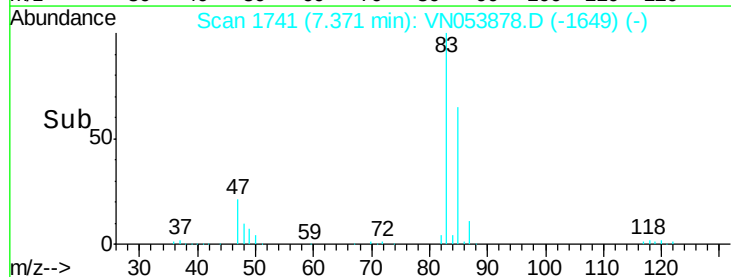
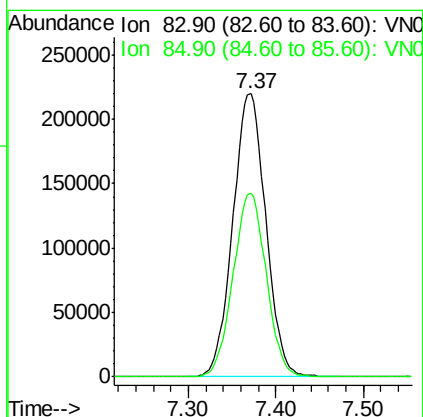
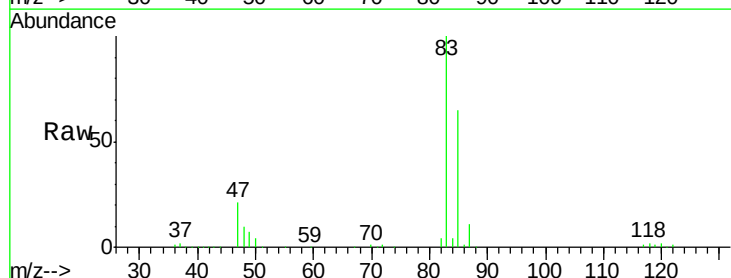
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

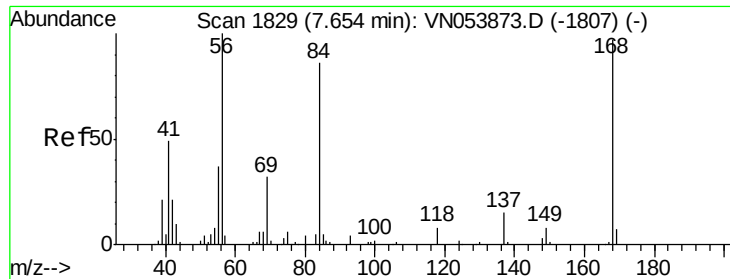
Tot Ion: 42 Resp: 371742
Ion Ratio Lower Upper
42 100
72 45.6 36.9 55.3
71 43.0 34.6 52.0



#30
Chloroform
Concen: 46.636 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 83 Resp: 576691
Ion Ratio Lower Upper
83 100
85 65.1 52.6 78.8

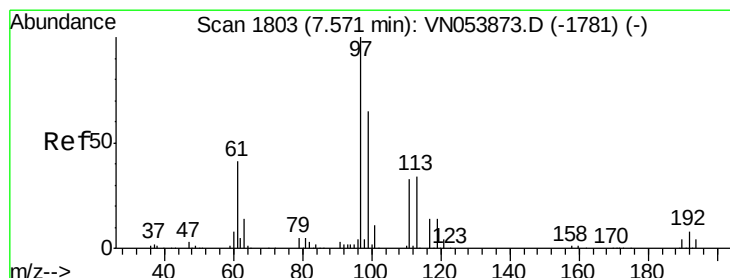
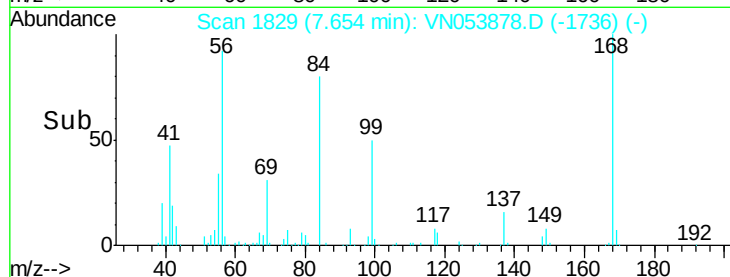
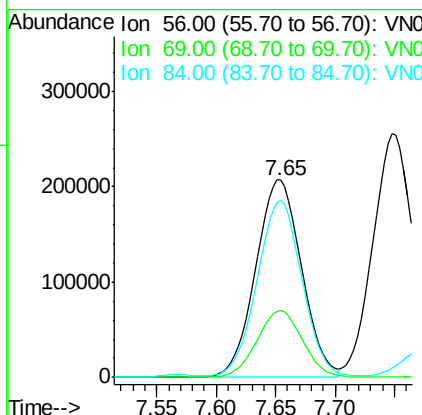
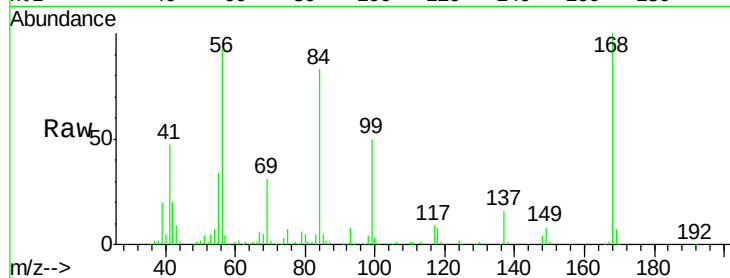




#31
Cyclohexane
Concen: 48.955 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

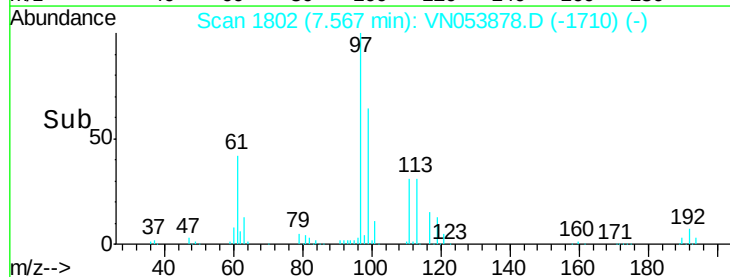
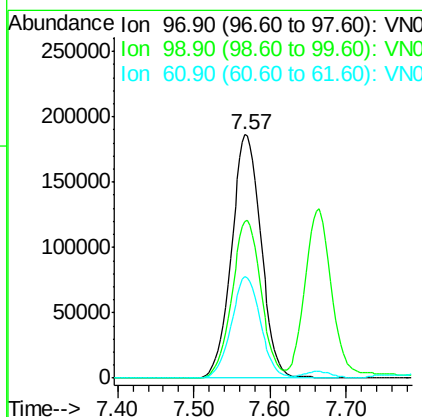
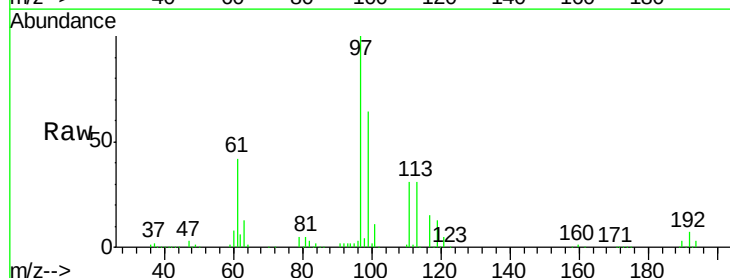
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

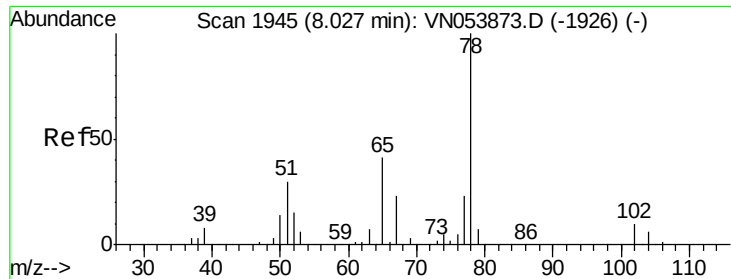
Tot Ion: 56 Resp: 551790
Ion Ratio Lower Upper
56 100
69 33.7 26.0 39.0
84 88.3 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 47.196 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 97 Resp: 499335
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.8
61 41.3 33.2 49.8





#33

1,2-Dichloroethane-d4

Concen: 46.672 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

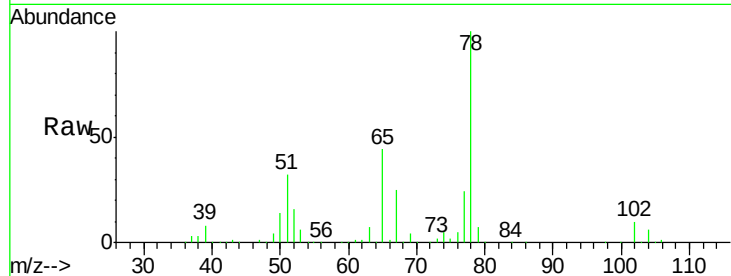
VSTDCCC050

Tot Ion: 65 Resp: 331152

Ion Ratio Lower Upper

65 100

67 54.6 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053878.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053878.D (-1852) (-)

8.02

150000

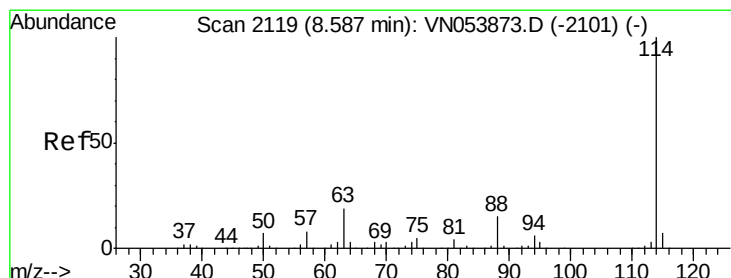
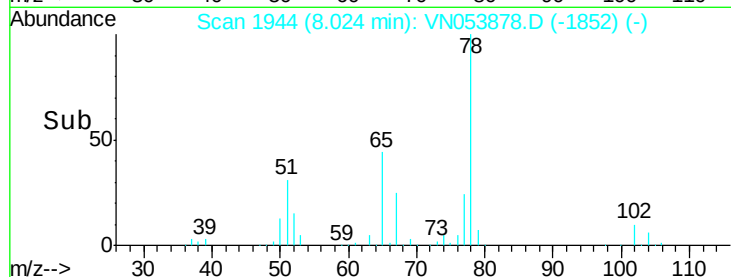
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

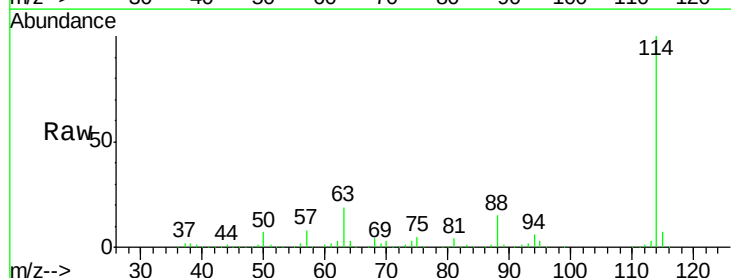
Tgt Ion: 114 Resp: 1002451

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 15.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053878.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053878.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053878.D (-2026) (-)

8.58

600000

500000

400000

300000

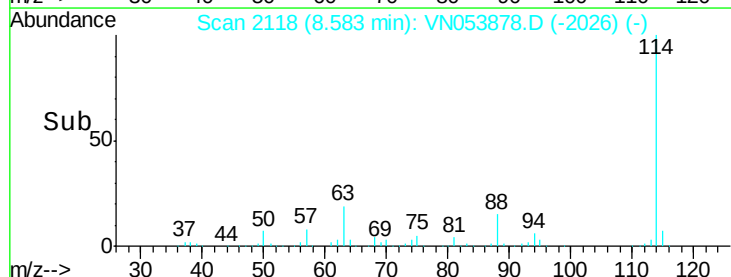
200000

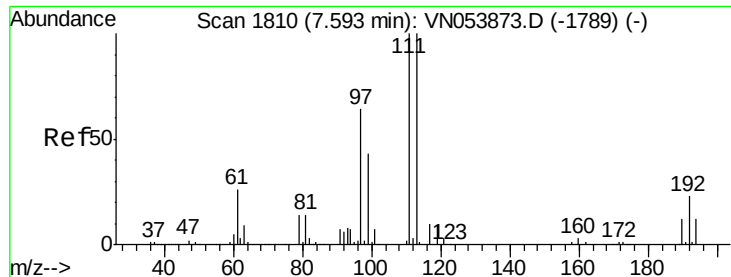
100000

0

8.40 8.50 8.60 8.70 8.80

Time-->

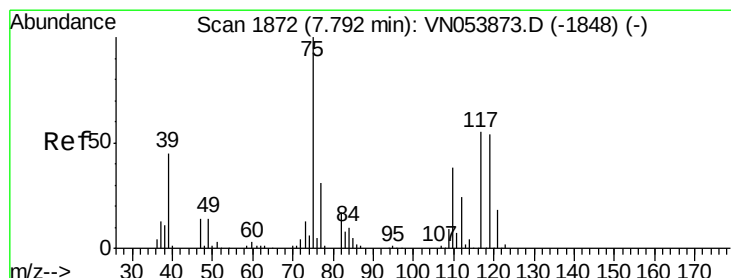
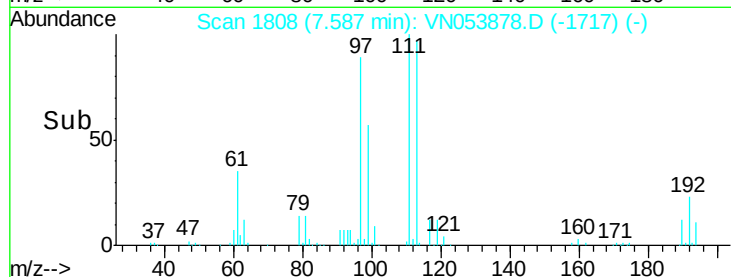
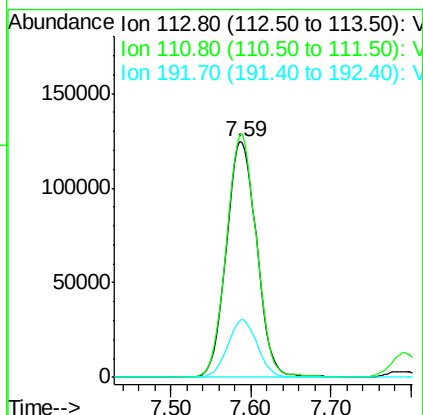
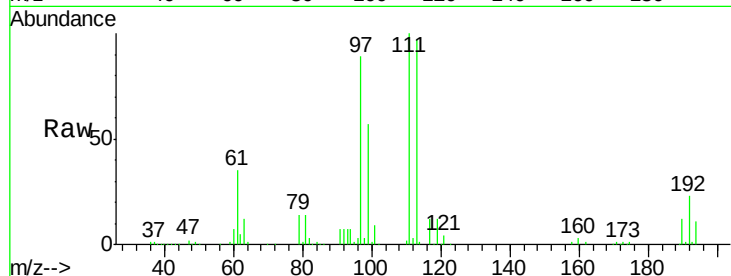




#35
 Dibromofluoromethane
 Concen: 49.010 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

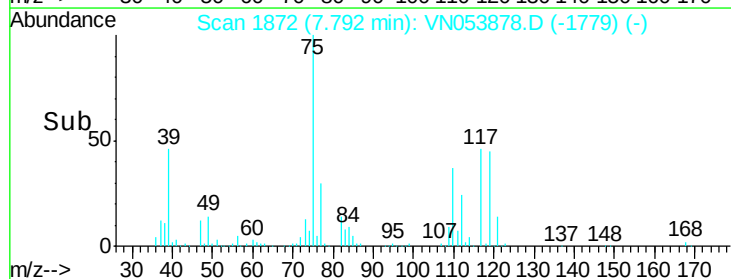
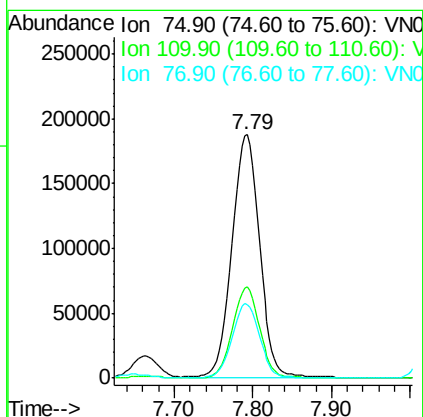
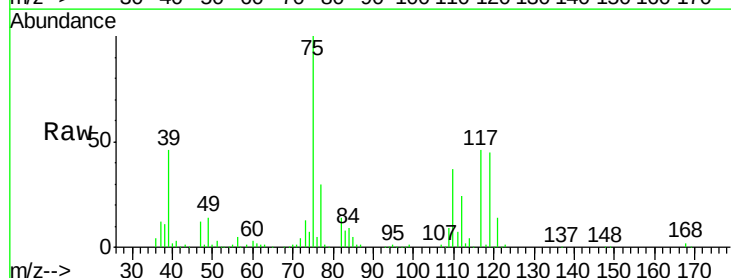
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

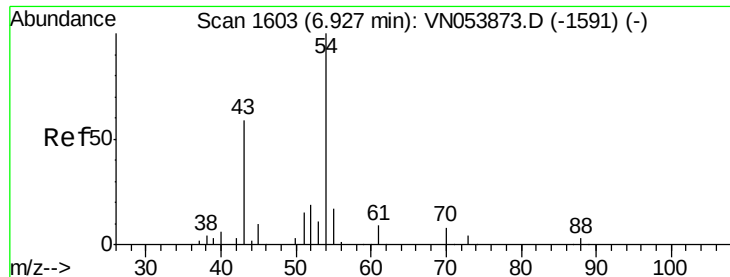
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	23.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 50.011 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.0	57.0
77	30.9	25.4	38.0

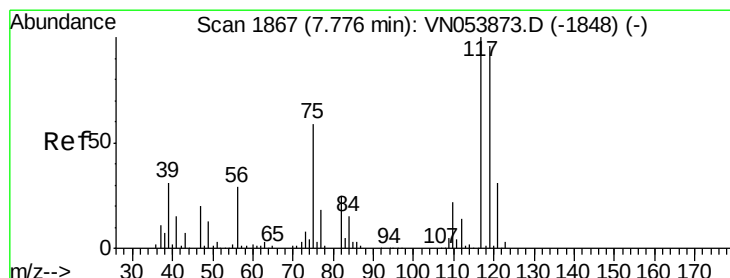
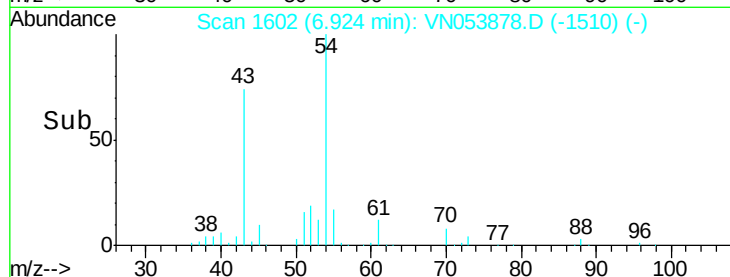
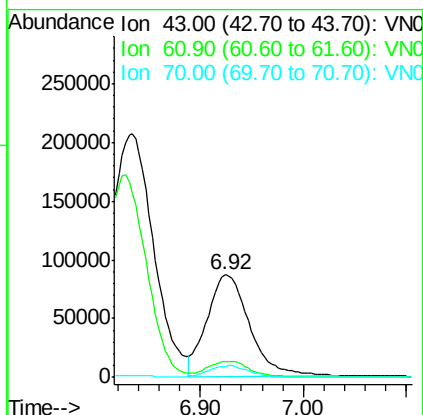
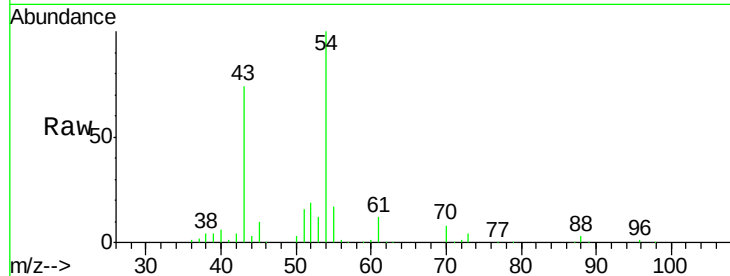




#37
Ethyl Acetate
Concen: 44.771 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

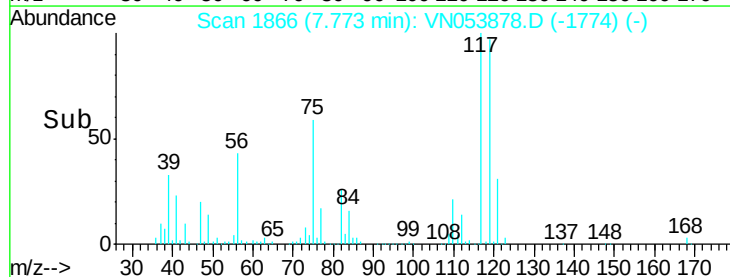
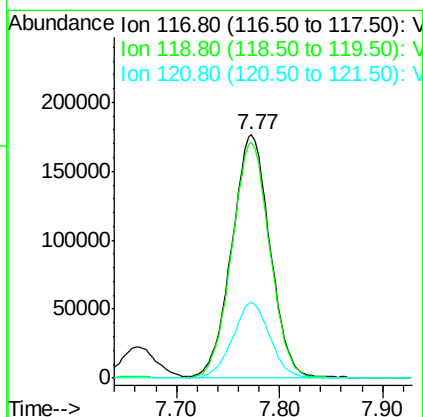
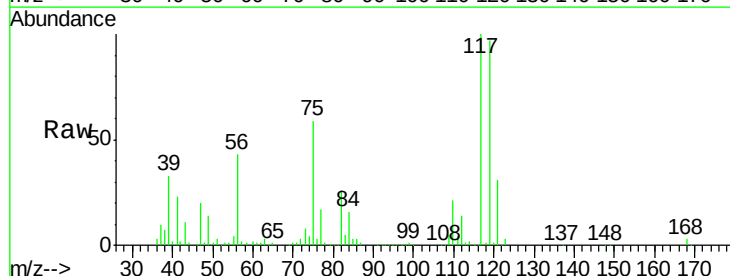
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

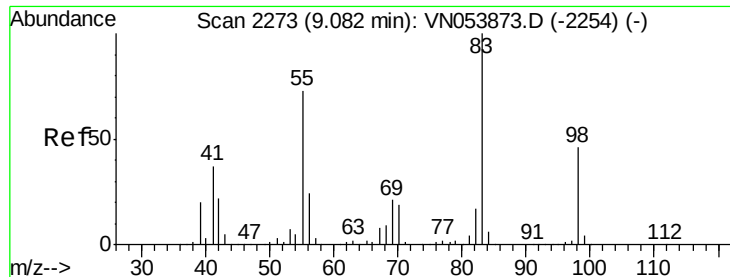
Tot Ion: 43 Resp: 247490
Ion Ratio Lower Upper
43 100
61 15.4 12.0 18.0
70 10.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 49.026 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 117 Resp: 449729
Ion Ratio Lower Upper
117 100
119 97.3 76.2 114.2
121 31.4 24.6 36.8

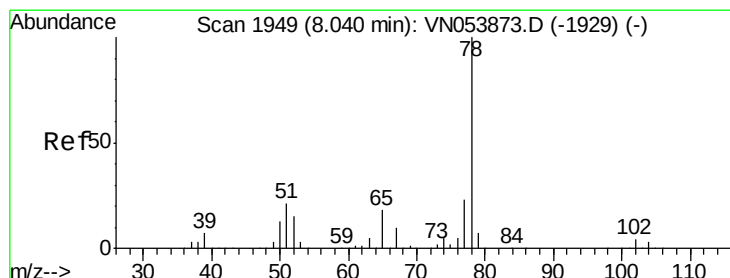
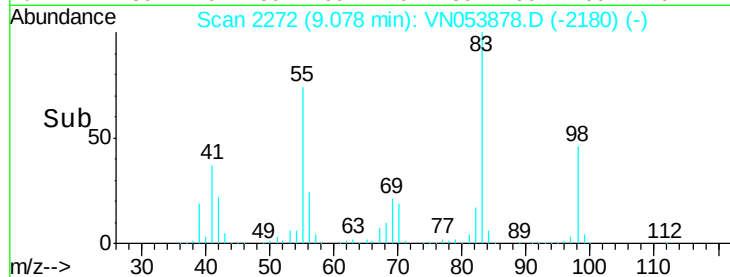
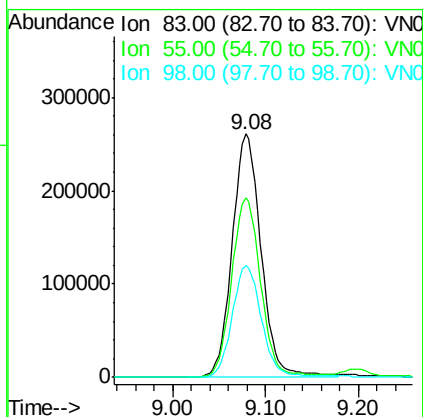
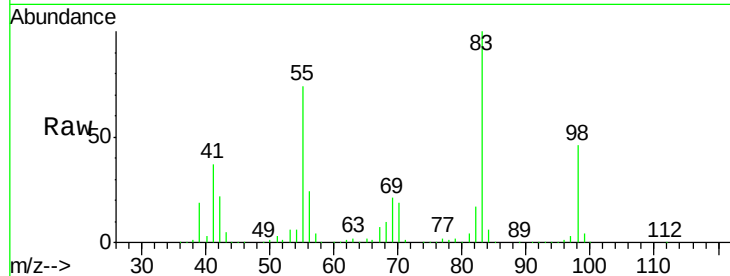




#39
Methylvlcyclohexane
Concen: 53.529 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

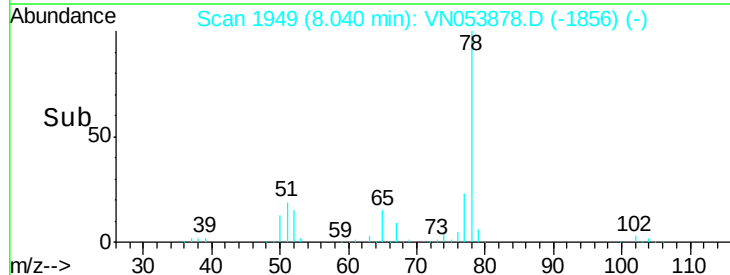
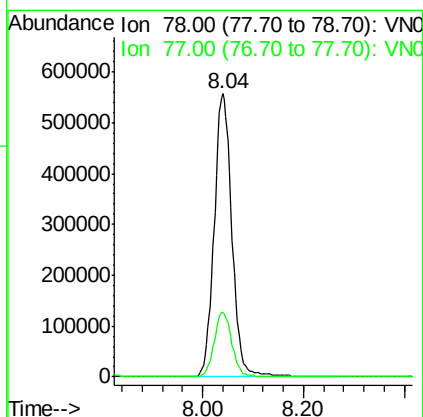
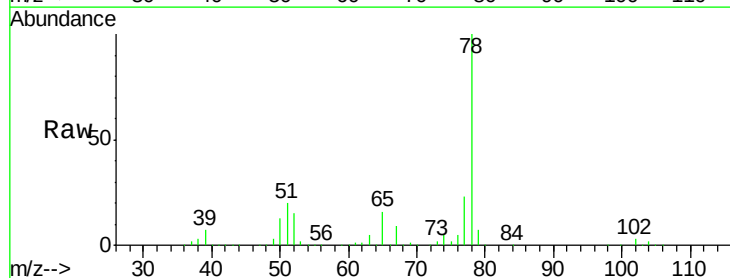
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

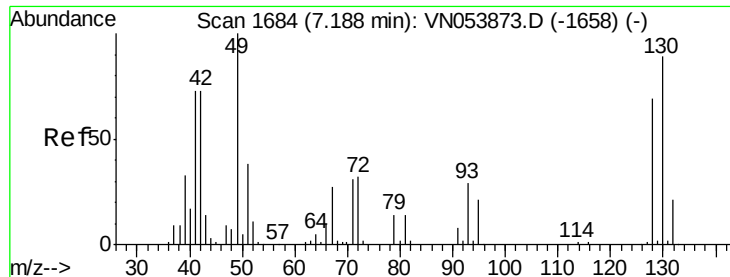
Tot Ion: 83 Resp: 566767
Ion Ratio Lower Upper
83 100
55 73.6 58.2 87.4
98 45.8 37.2 55.8



#40
Benzene
Concen: 50.120 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 78 Resp: 1361471
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2





#41

Methacrylonitrile

Concen: 37.788 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.02 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 114177

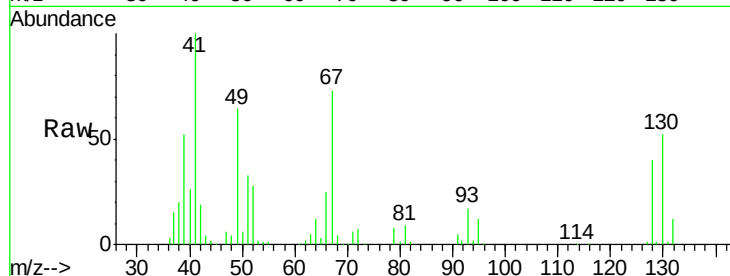
Ion Ratio Lower Upper

41 100

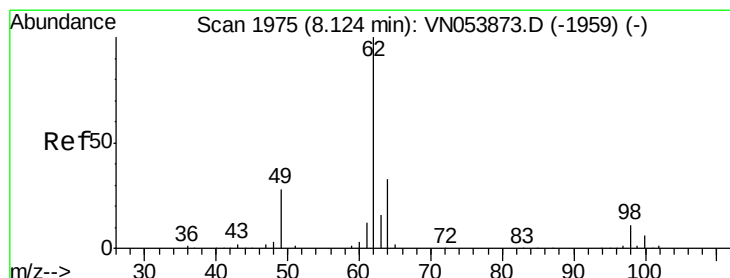
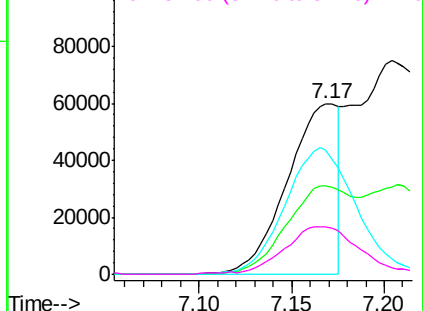
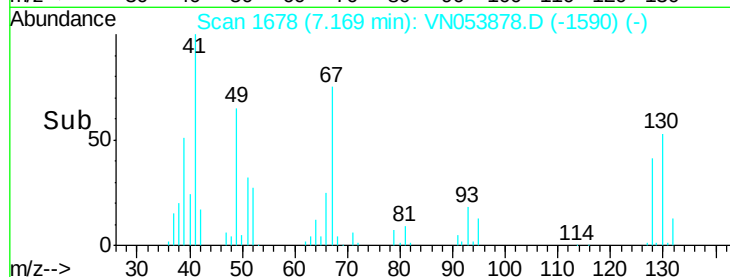
39 66.7 0.0 0.0#

67 105.1 0.0 0.0#

52 41.7 0.0 0.0#



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: 48.975 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053878.D

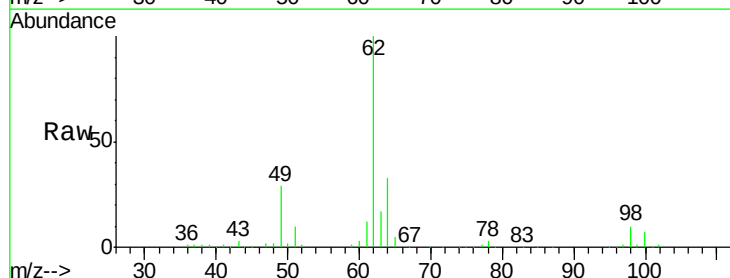
Acq: 21 Feb 2019 8:34

Tgt Ion: 62 Resp: 396604

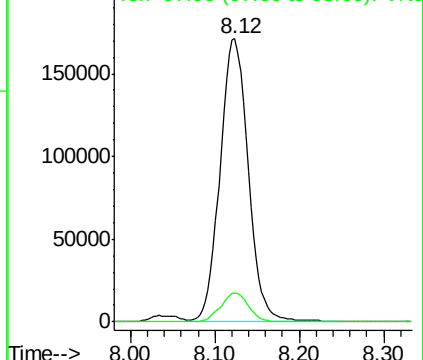
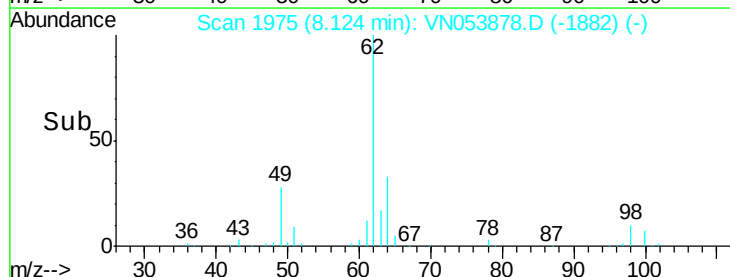
Ion Ratio Lower Upper

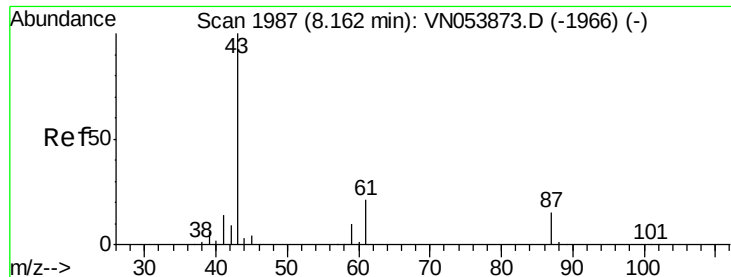
62 100

98 10.0 0.0 20.8



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





#43

Isopropyl Acetate

Concen: 42.847 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

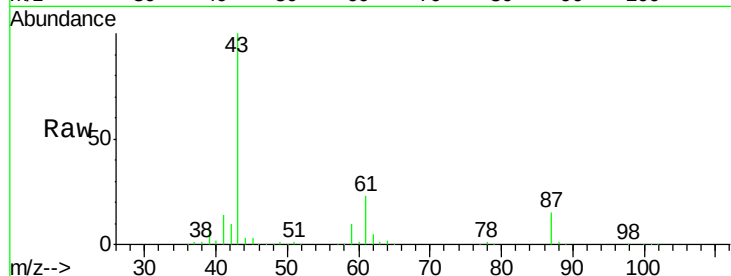
Tot Ion: 43 Resp: 419951

Ion Ratio Lower Upper

43 100

61 31.6 17.4 26.0#

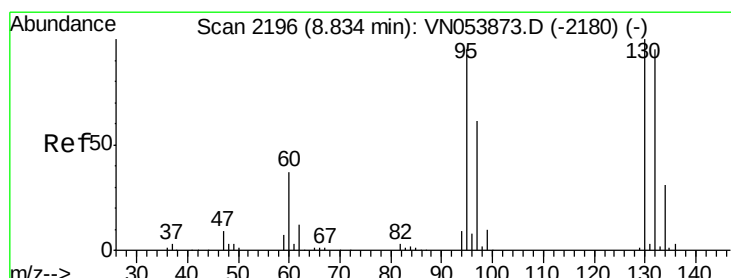
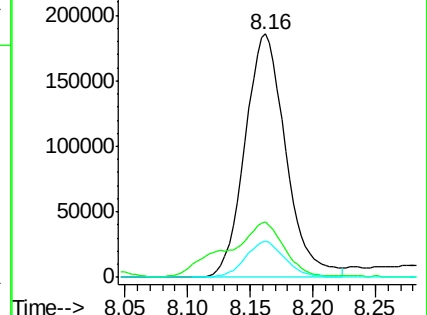
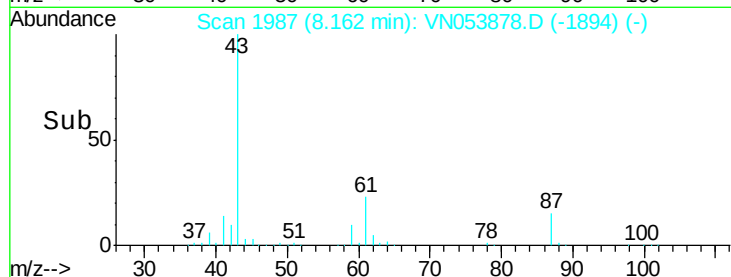
87 14.5 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053878.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053878.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053878.D (-1966) (-)



#44

Trichloroethene

Concen: 51.454 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053878.D

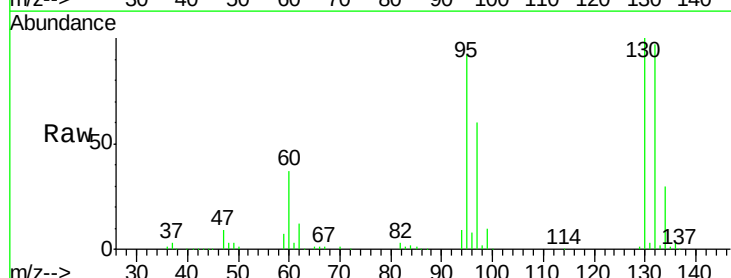
Acq: 21 Feb 2019 8:34

Tgt Ion: 130 Resp: 391271

Ion Ratio Lower Upper

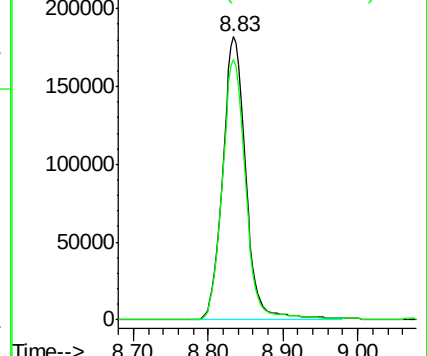
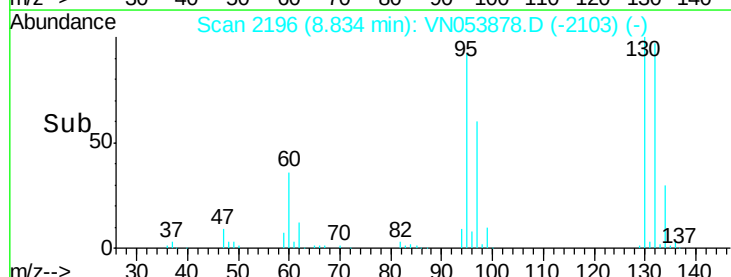
130 100

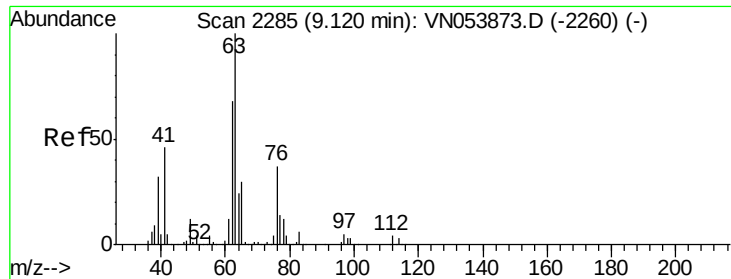
95 92.2 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053878.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053878.D (-2180) (-)

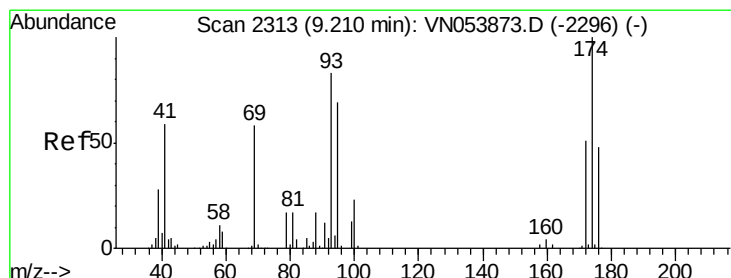
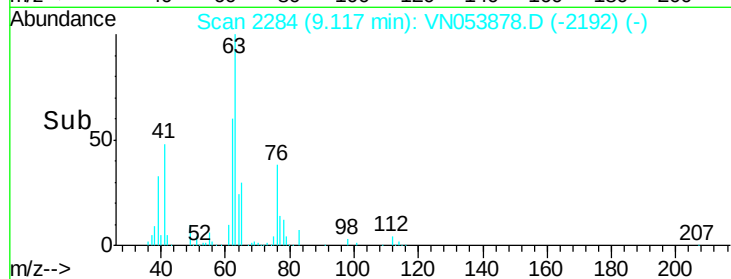
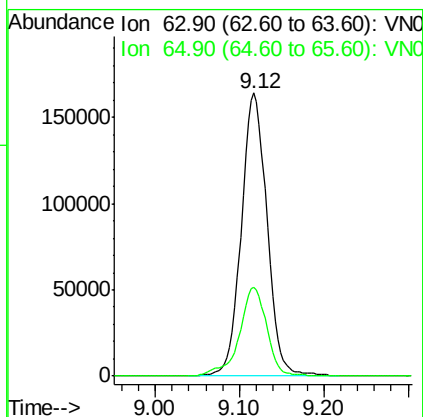
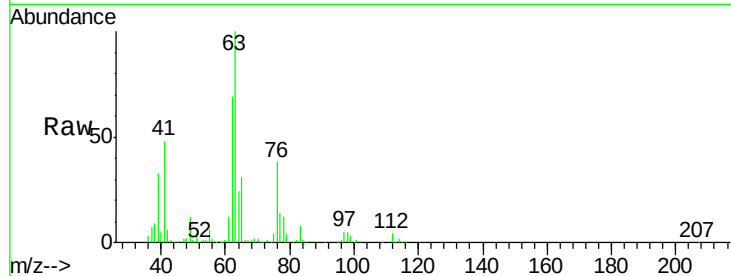




#45
 1,2-Dichloropropane
 Concen: 50.416 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

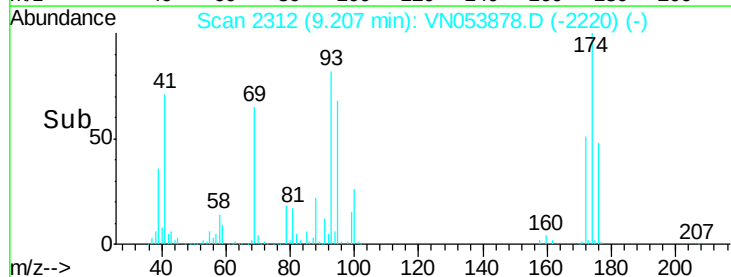
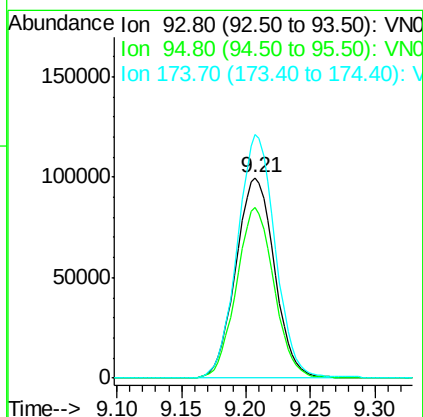
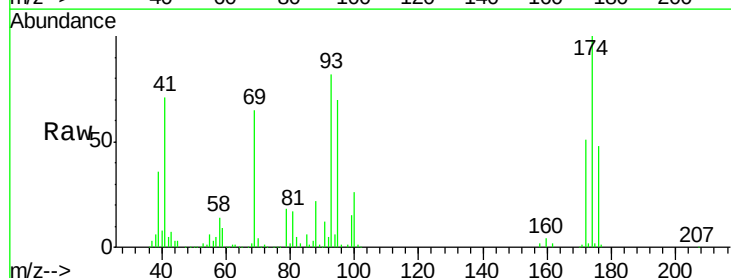
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

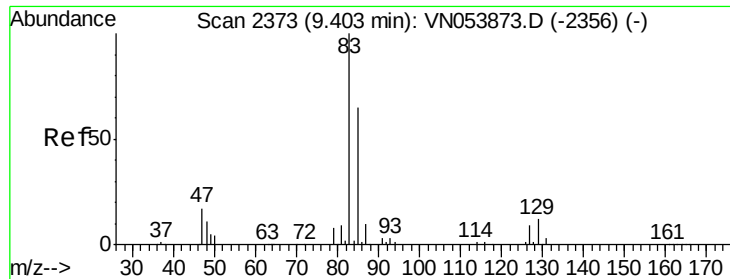
Tot Ion: 63 Resp: 349639
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.3 36.5



#46
 Dibromomethane
 Concen: 49.901 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion: 93 Resp: 208374
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.6 100.0
 174 118.9 96.2 144.4





#47

Bromodichloromethane

Concen: 50.122 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

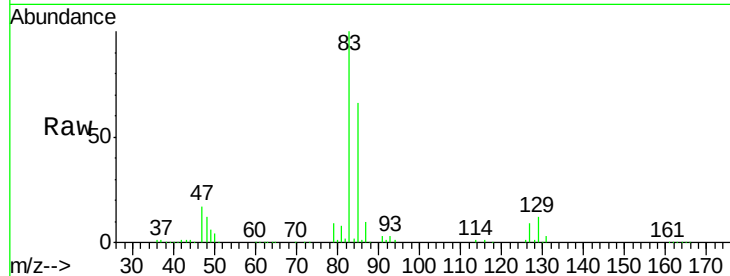
Tot Ion: 83 Resp: 441528

Ion Ratio Lower Upper

83 100

85 66.2 51.8 77.6

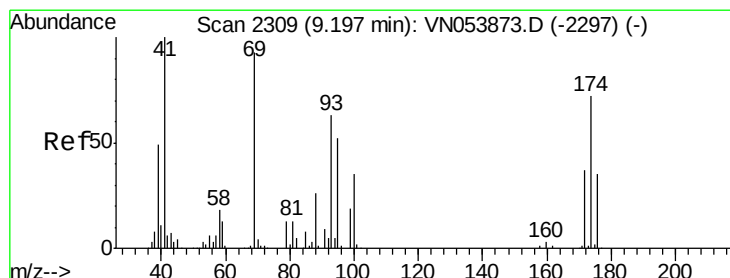
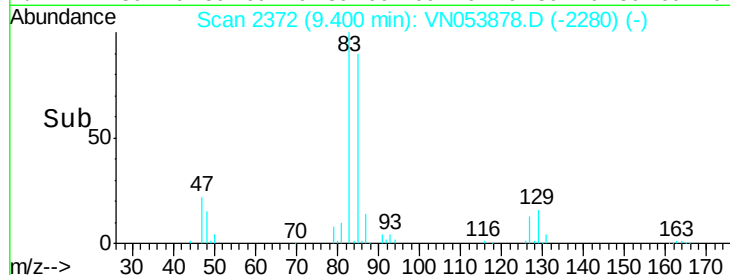
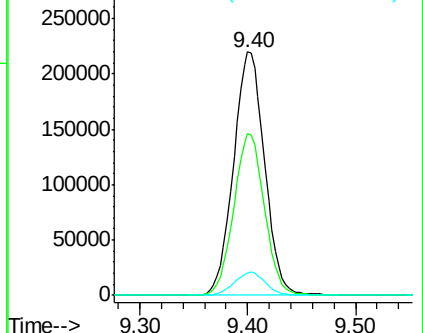
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053878.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053878.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053878.D (-2280) (-)



#48

Methyl methacrylate

Concen: 49.562 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

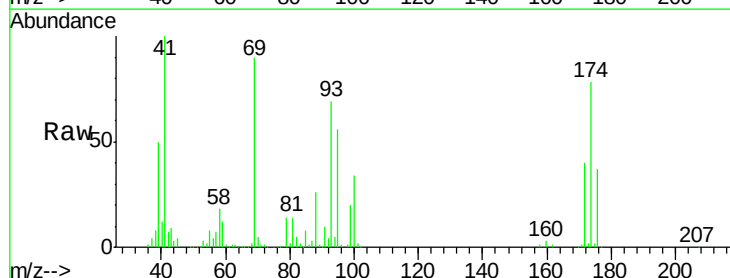
Tgt Ion: 41 Resp: 208272

Ion Ratio Lower Upper

41 100

69 99.4 74.8 112.2

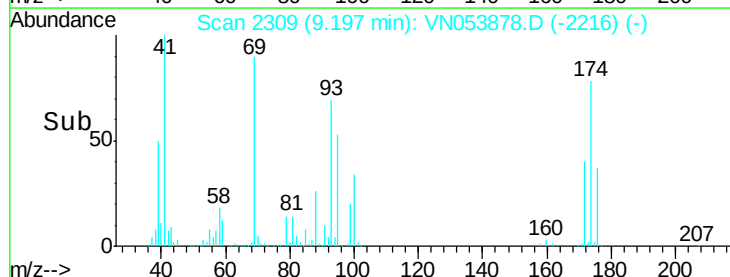
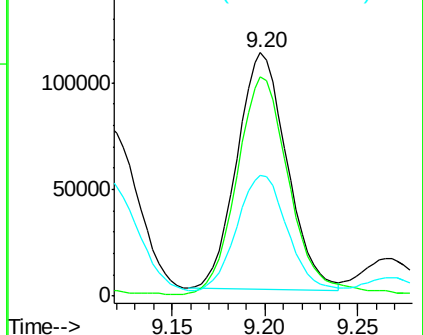
39 54.0 39.0 58.6

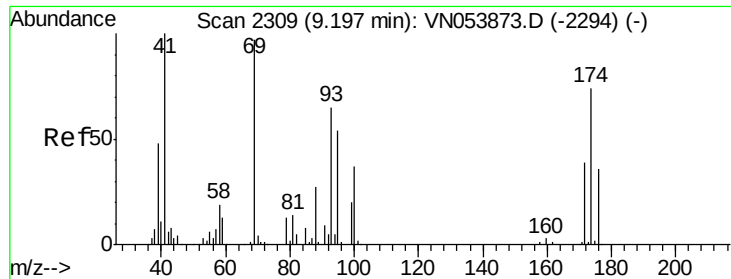


Abundance Ion 41.00 (40.70 to 41.70): VN053878.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053878.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053878.D (-2216) (-)

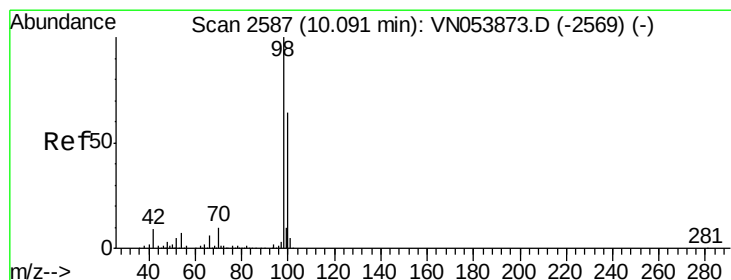
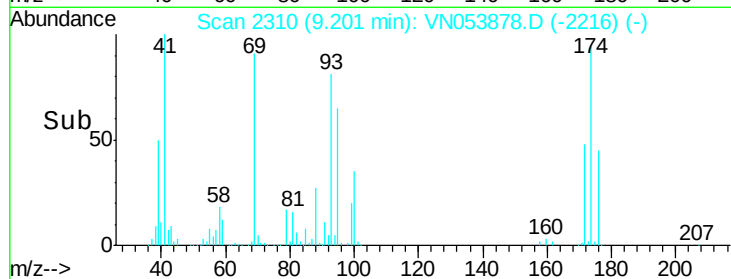
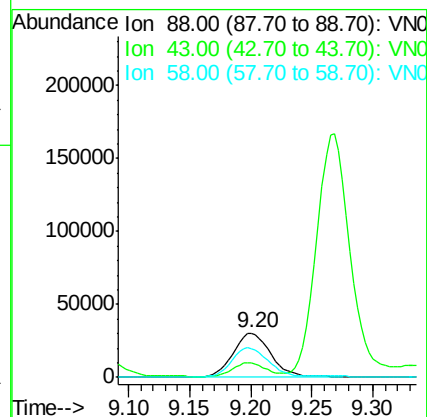
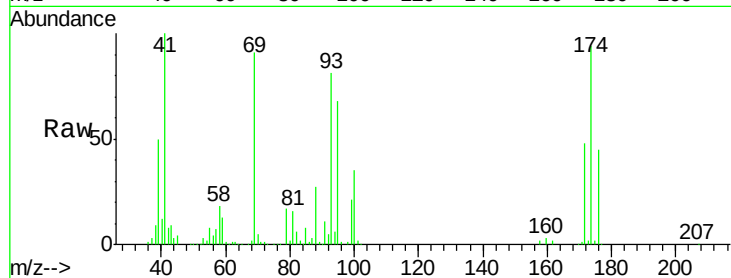




#49
1,4-Dioxane
Concen: 965.365 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

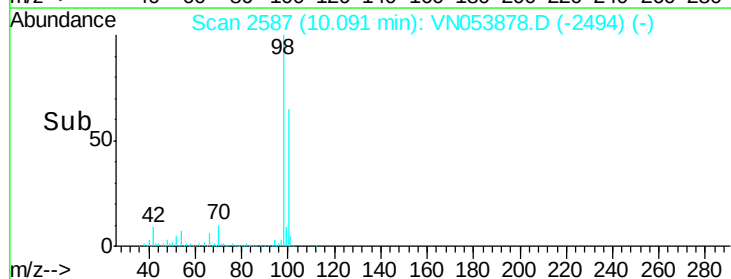
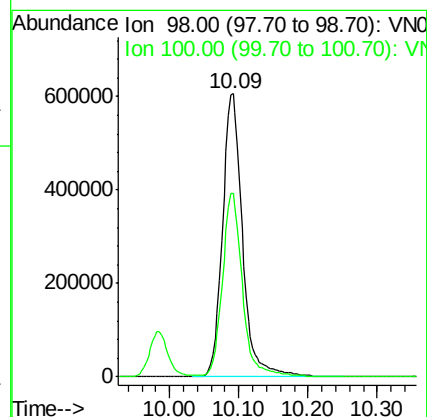
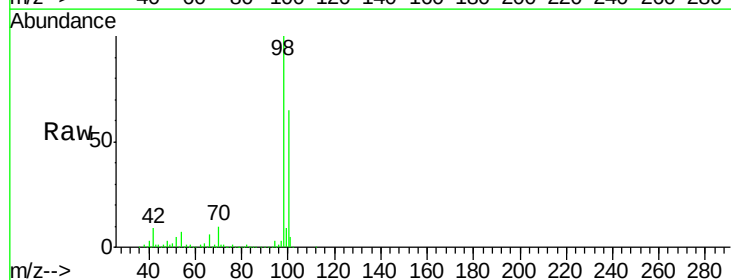
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

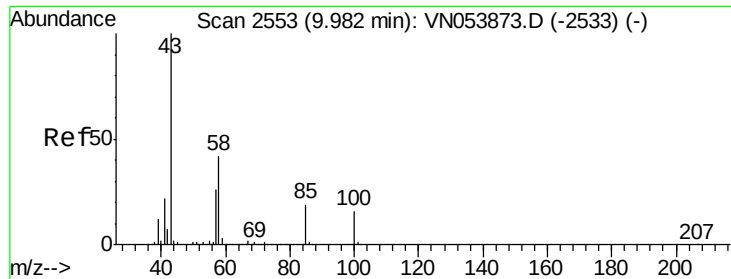
Tot Ion: 88 Resp: 65644
Ion Ratio Lower Upper
88 100
43 27.3 21.2 31.8
58 66.3 54.2 81.2



#50
Toluene-d8
Concen: 51.175 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 98 Resp: 1215984
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 227.992 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

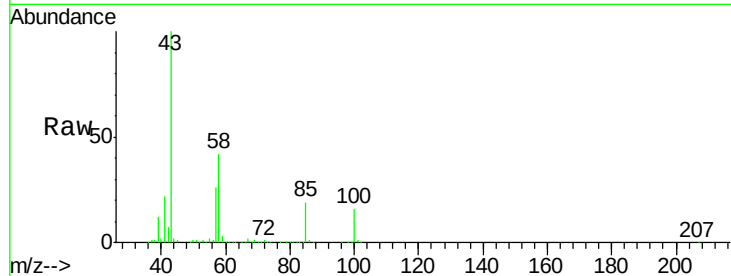
VSTDCCC050

Tot Ion: 43 Resp: 1145128

Ion Ratio Lower Upper

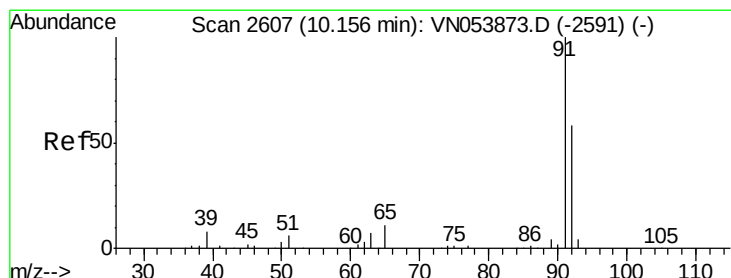
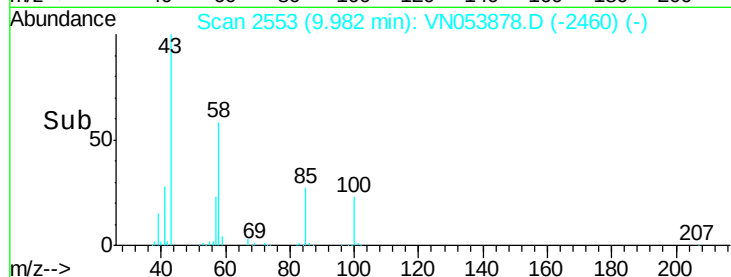
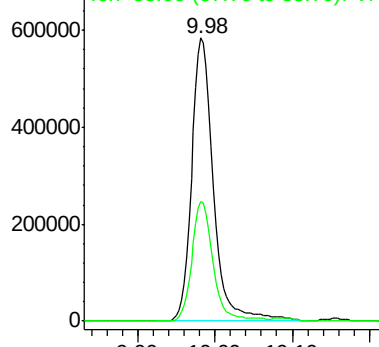
43 100

58 41.4 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.536 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053878.D

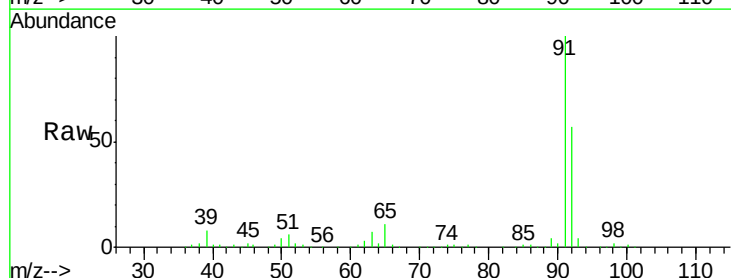
Acq: 21 Feb 2019 8:34

Tgt Ion: 92 Resp: 829610

Ion Ratio Lower Upper

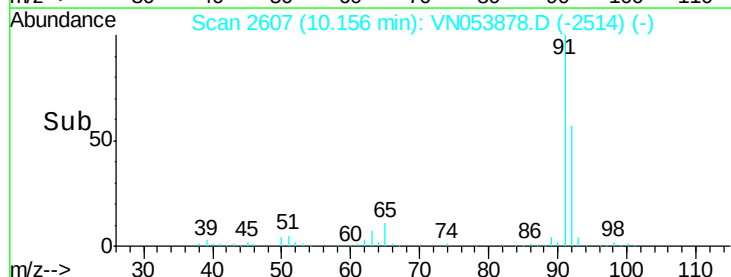
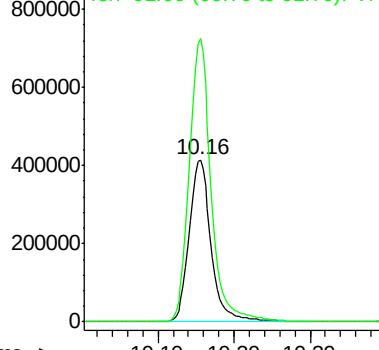
92 100

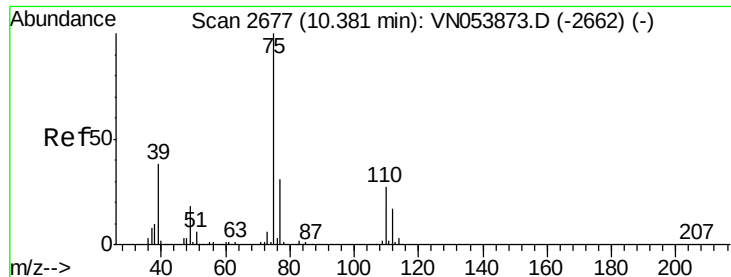
91 174.2 138.4 207.6



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: 52.336 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampled :

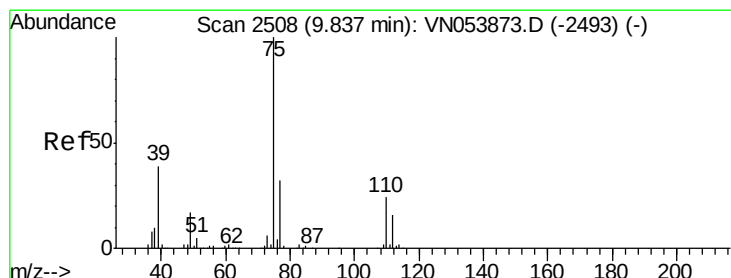
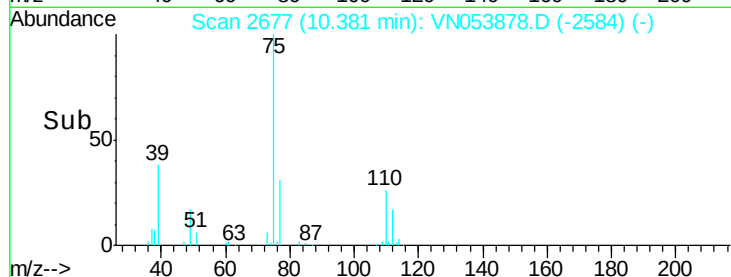
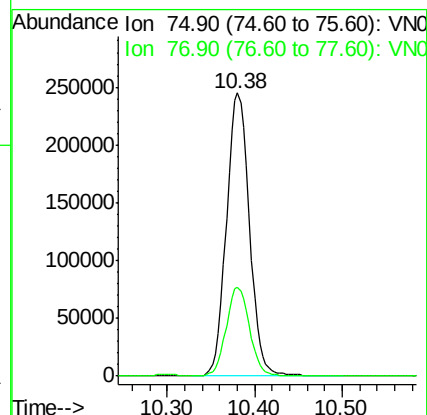
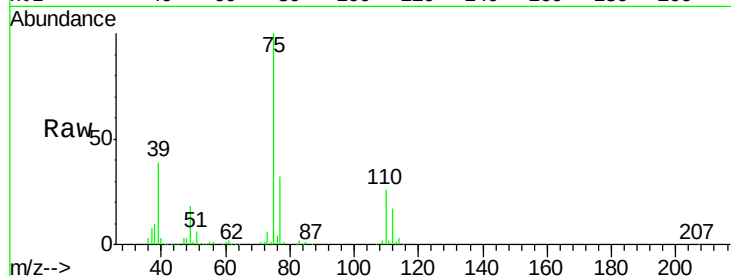
VSTDCCC050

Tot Ion: 75 Resp: 447683

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 52.046 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

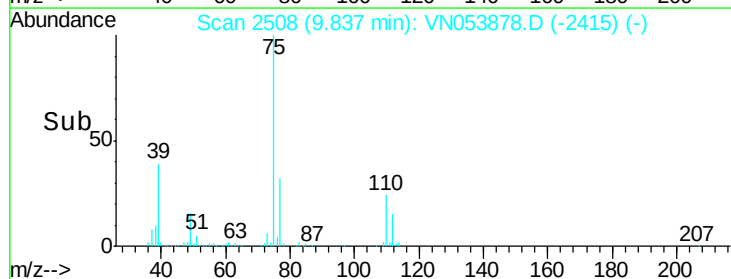
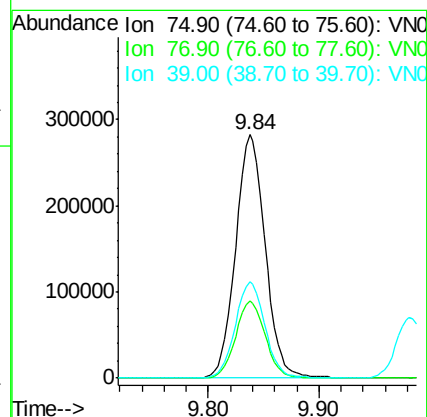
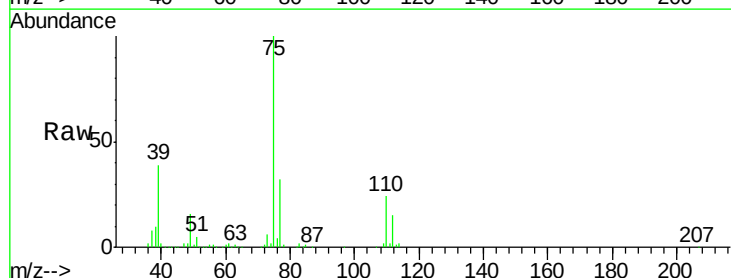
Tgt Ion: 75 Resp: 524735

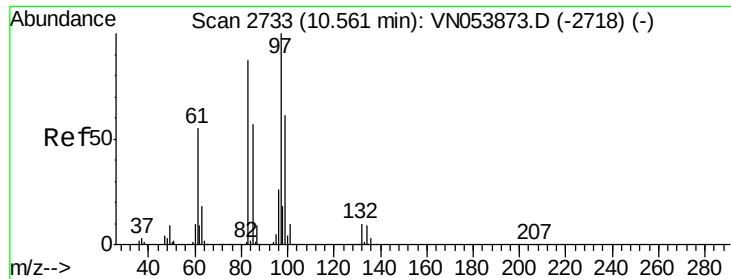
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 39.4 31.4 47.0





#55

1,1,2-Trichloroethane

Concen: 49.180 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 289406

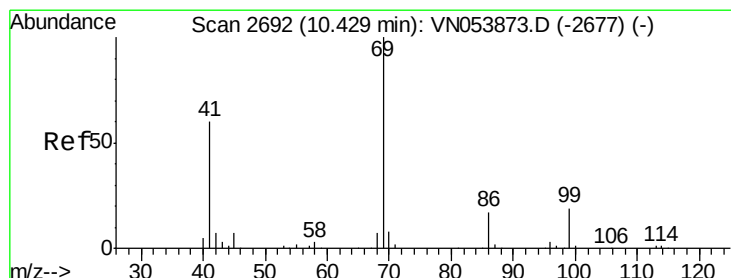
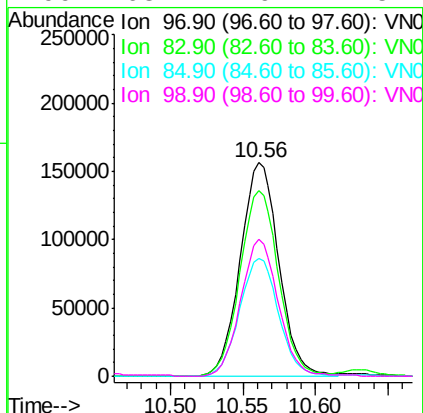
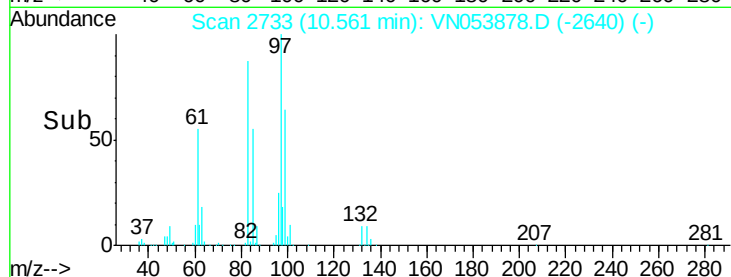
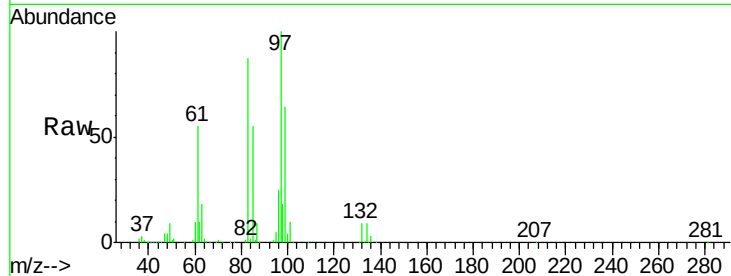
Ion Ratio Lower Upper

97 100

83 87.1 69.5 104.3

85 55.2 45.9 68.9

99 63.7 49.1 73.7



#56

Ethyl methacrylate

Concen: 44.753 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

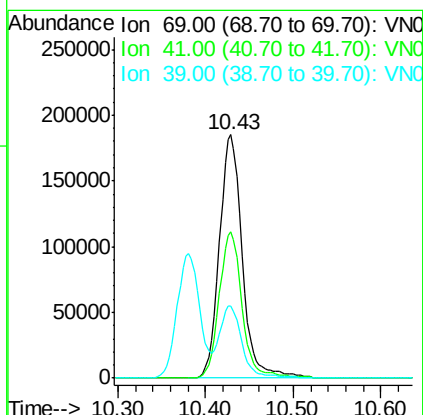
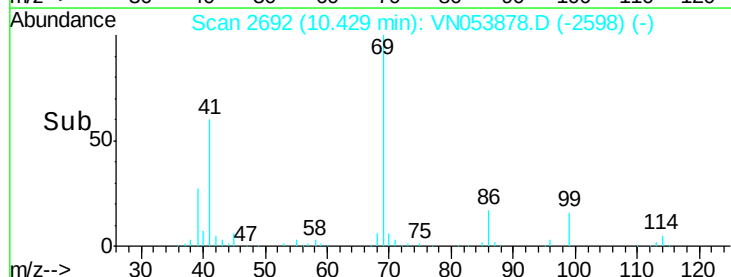
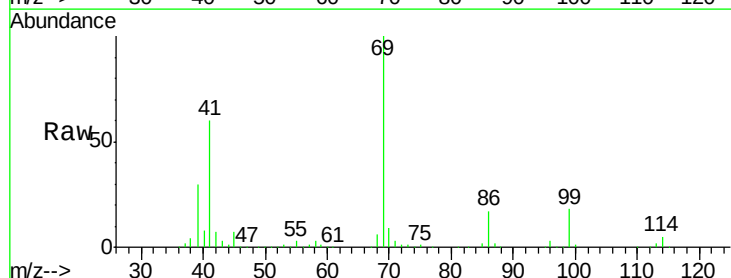
Tgt Ion: 69 Resp: 336651

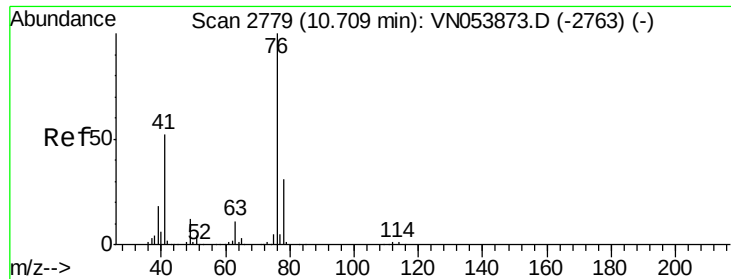
Ion Ratio Lower Upper

69 100

41 59.3 47.5 71.3

39 29.0 23.4 35.0

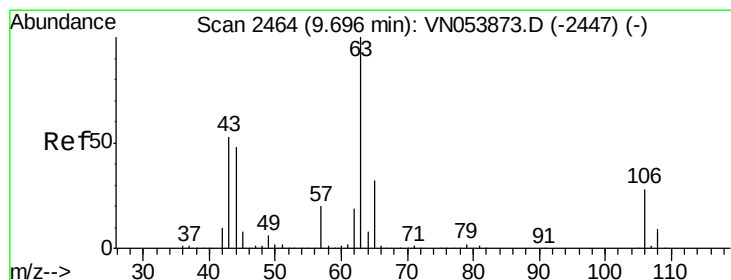
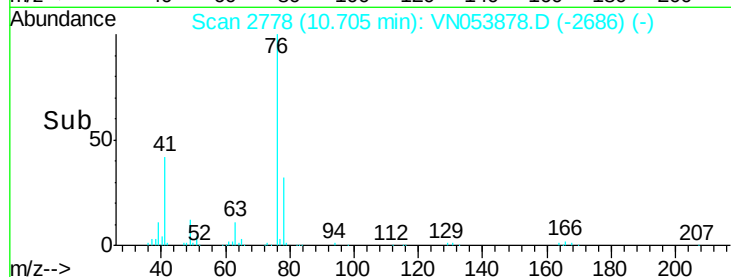
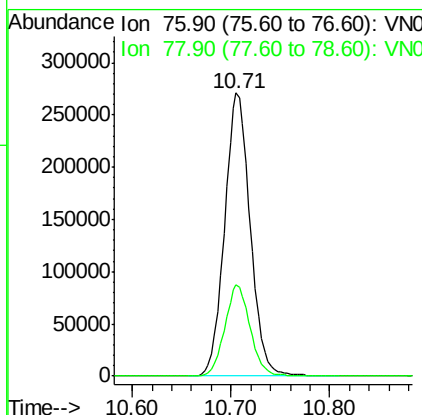
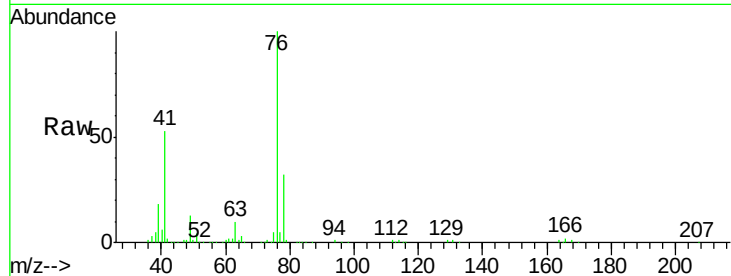




#57
 1,3-Dichloropropane
 Concen: 49.718 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

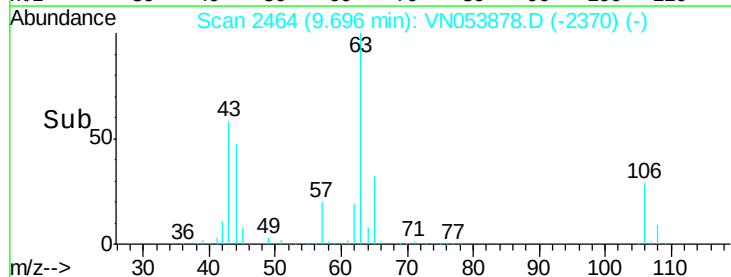
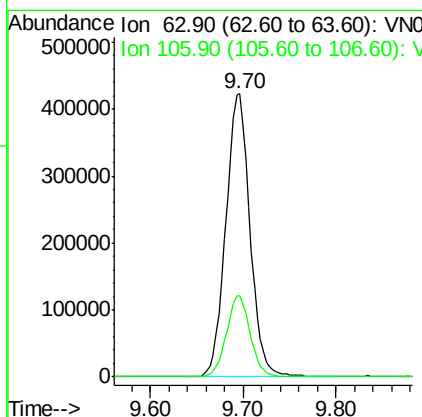
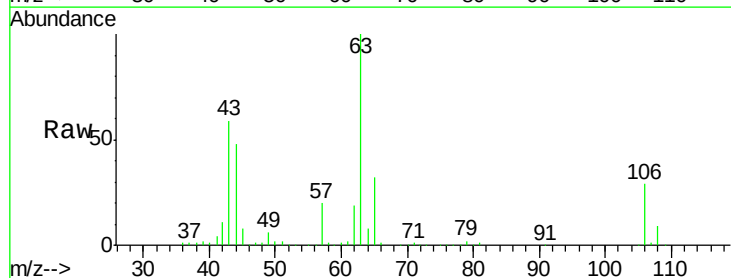
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

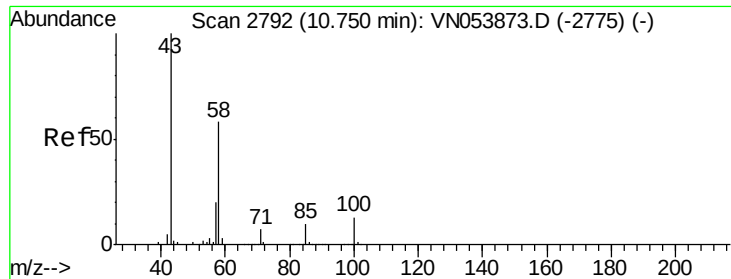
Tot Ion: 76 Resp: 492619
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.297 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion: 63 Resp: 764854
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.2 33.2

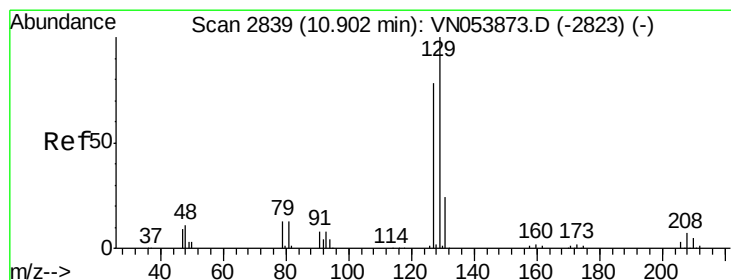
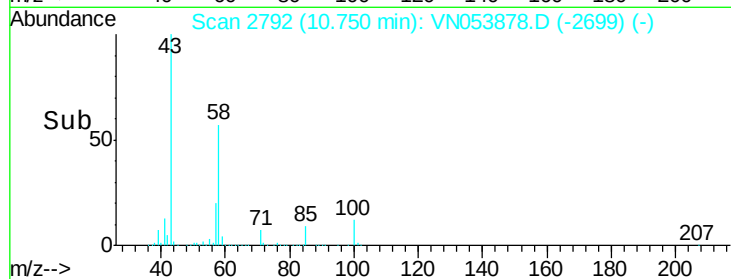
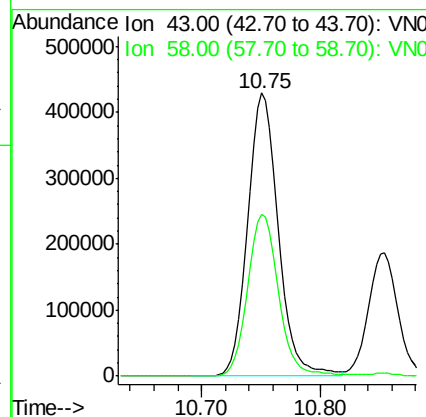
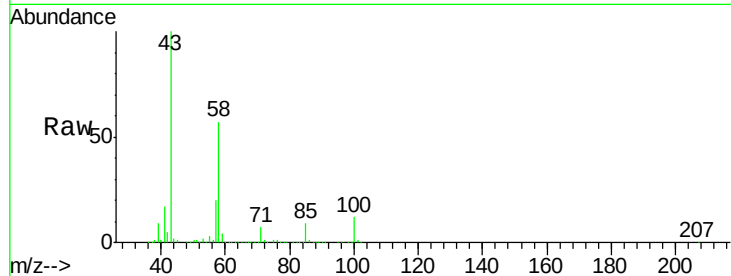




#59
2-Hexanone
Concen: 248.078 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

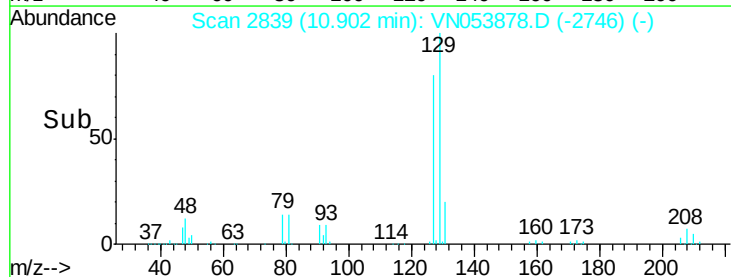
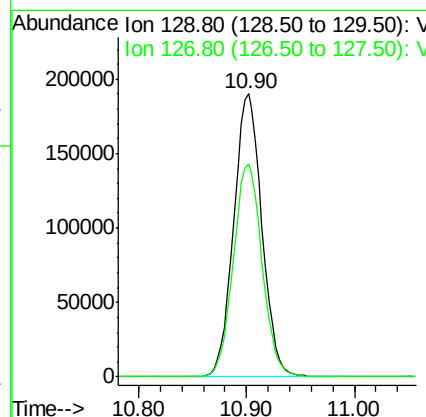
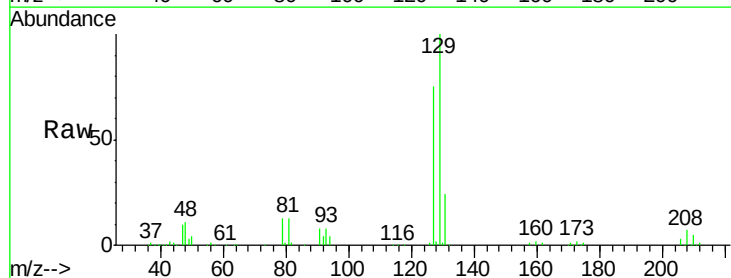
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

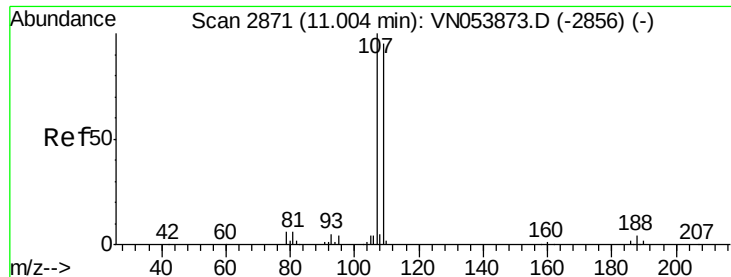
Tot Ion: 43 Resp: 762837
Ion Ratio Lower Upper
43 100
58 58.1 29.1 87.4



#60
Dibromochloromethane
Concen: 50.381 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 129 Resp: 346060
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.3

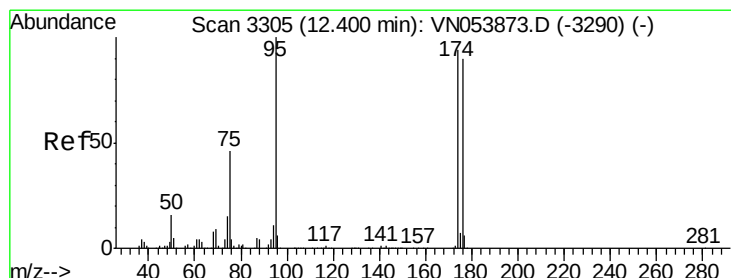
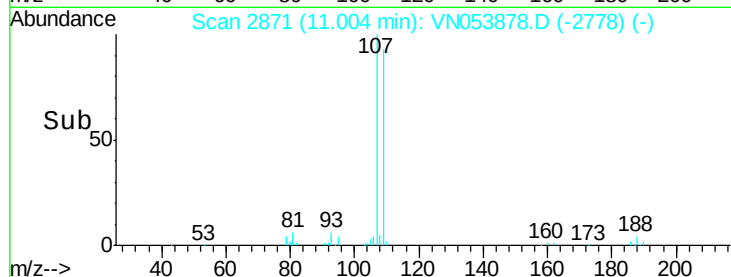
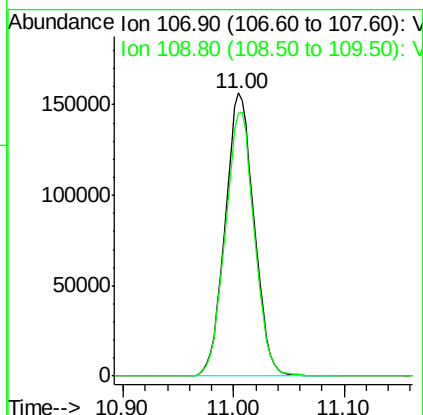
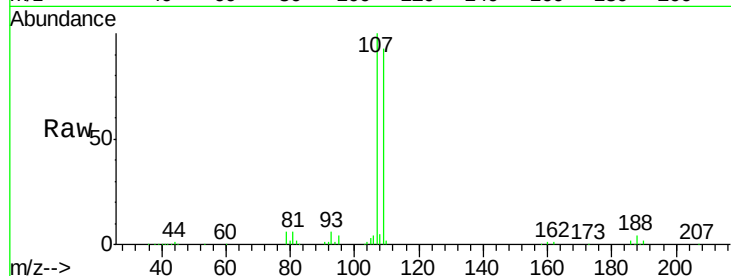




#61
 1,2-Dibromoethane
 Concen: 48.669 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

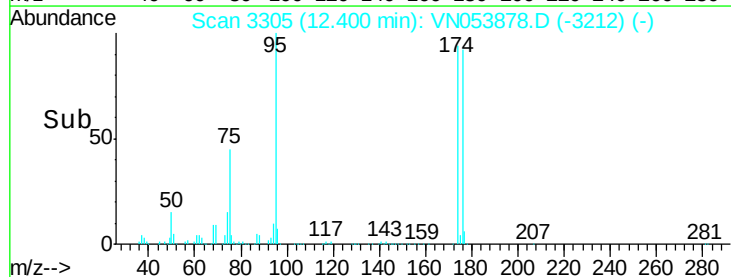
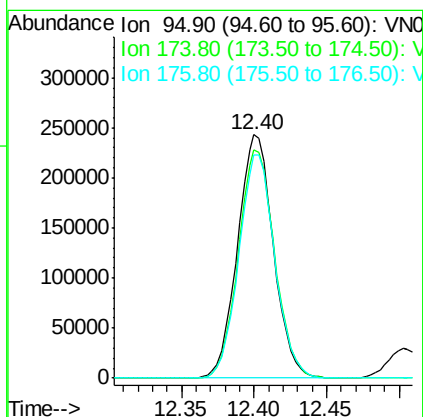
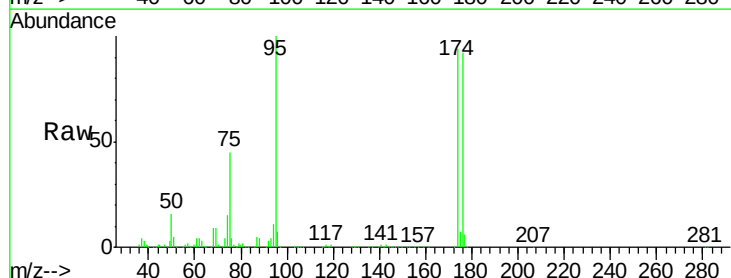
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

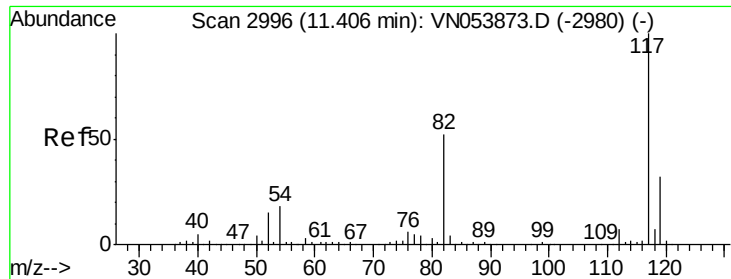
Tot Ion:107 Resp: 284533
 Ion Ratio Lower Upper
 107 100
 109 94.4 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 53.139 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion: 95 Resp: 416856
 Ion Ratio Lower Upper
 95 100
 174 94.9 0.0 188.8
 176 92.2 0.0 182.6

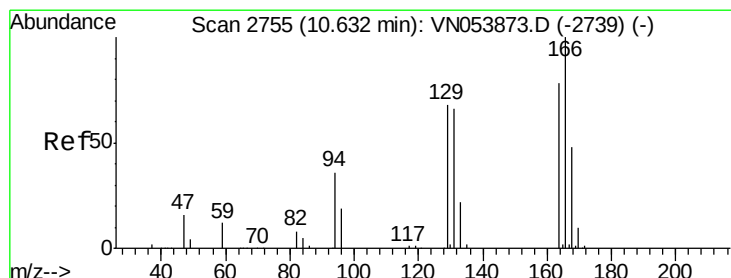
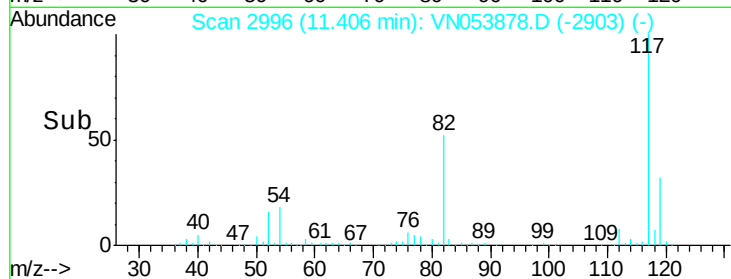
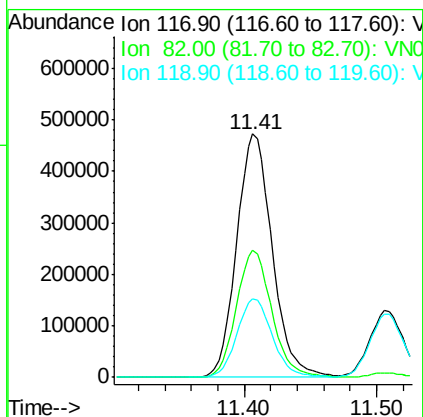
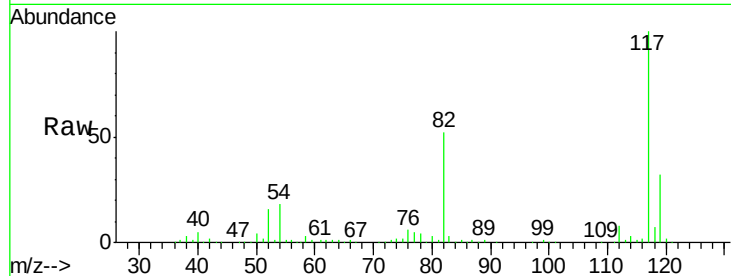




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

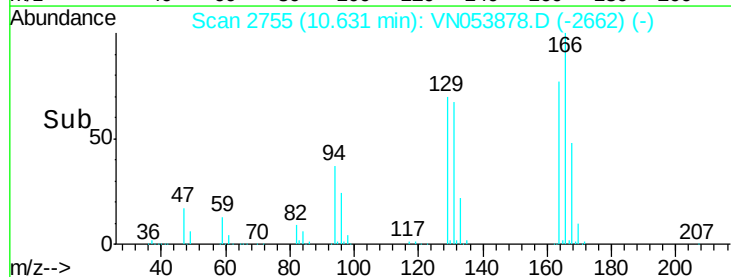
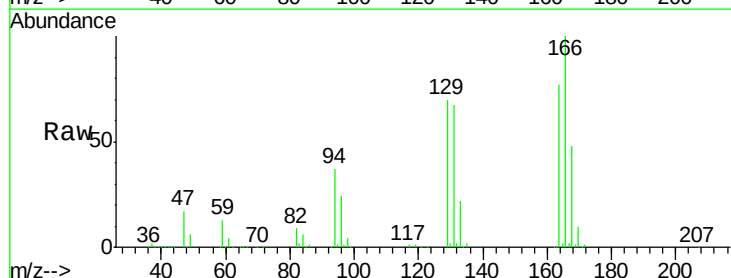
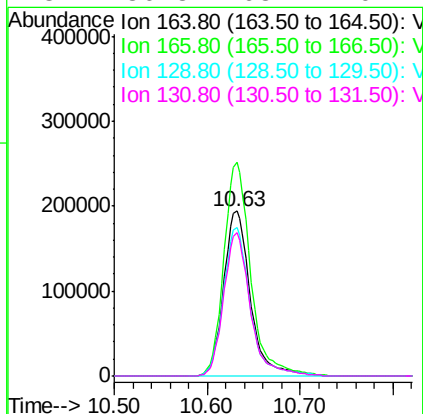
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

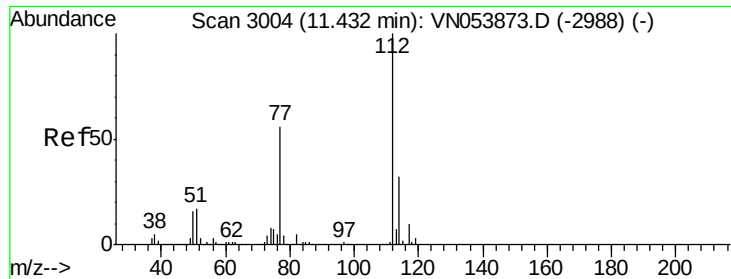
Tot Ion:117 Resp: 882026
Ion Ratio Lower Upper
117 100
82 52.1 41.4 62.2
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 49.289 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion:164 Resp: 388748
Ion Ratio Lower Upper
164 100
166 129.7 102.6 153.8
129 90.3 69.4 104.0
131 86.8 68.1 102.1





#65

Chlorobenzene

Concen: 49.512 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampled :

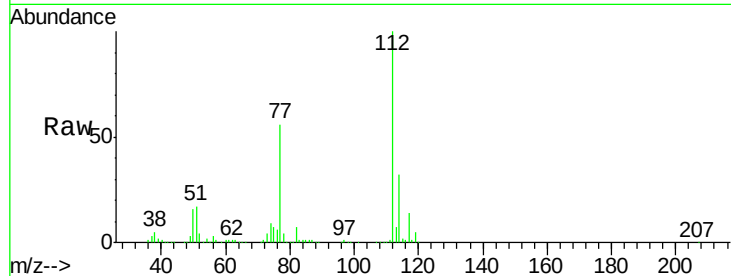
VSTDCCC050

Tot Ion:112 Resp: 914088

Ion Ratio Lower Upper

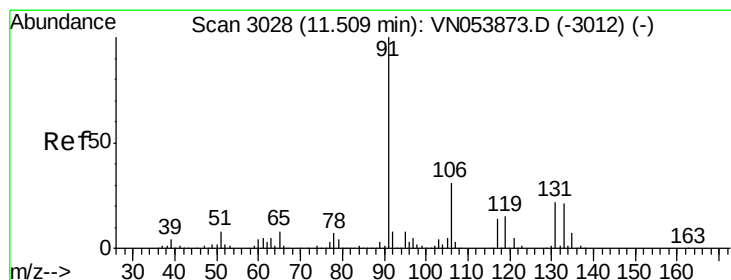
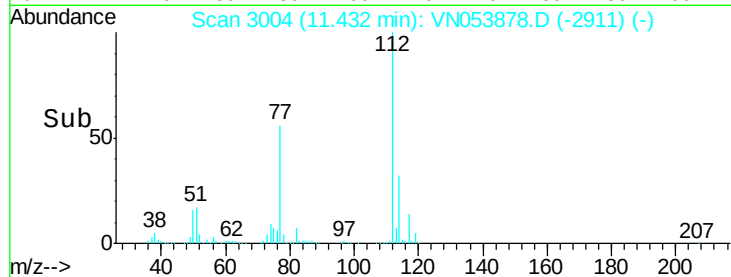
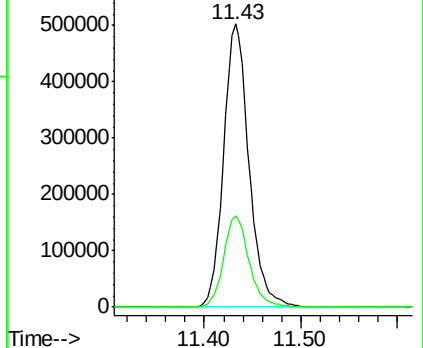
112 100

114 32.3 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.463 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

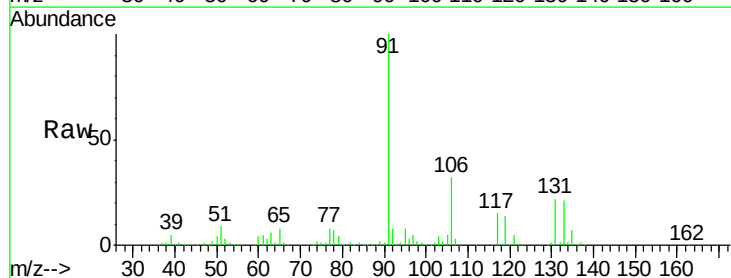
Tgt Ion:131 Resp: 339975

Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

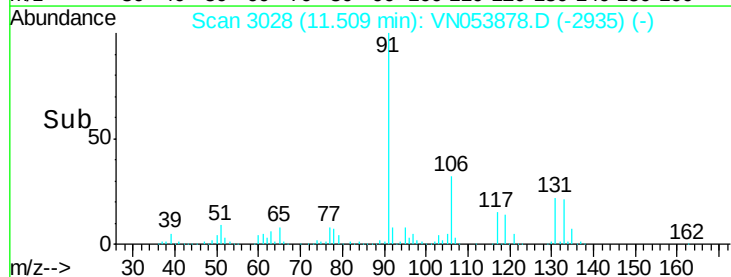
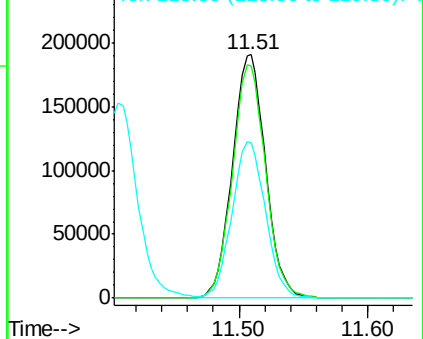
119 65.0 33.1 99.3

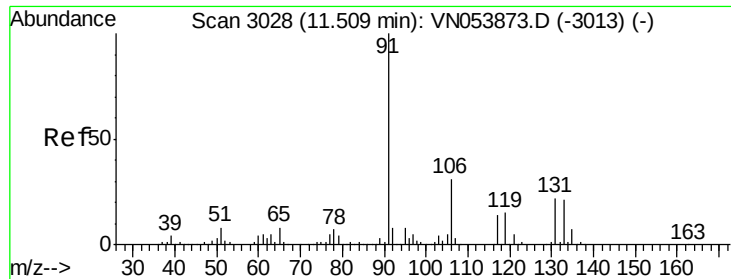


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

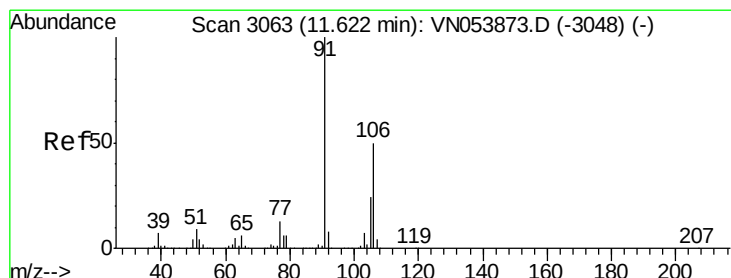
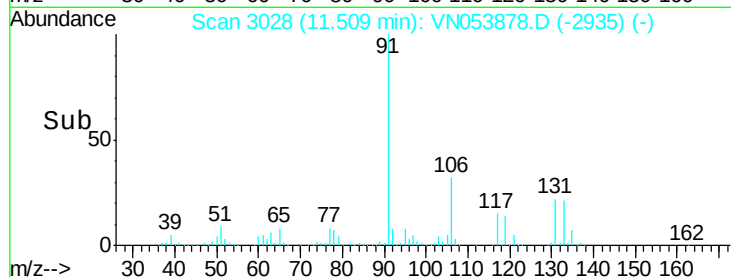
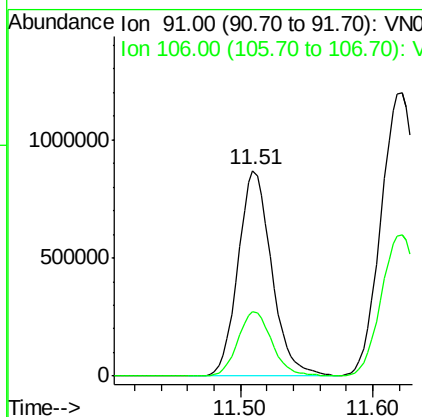
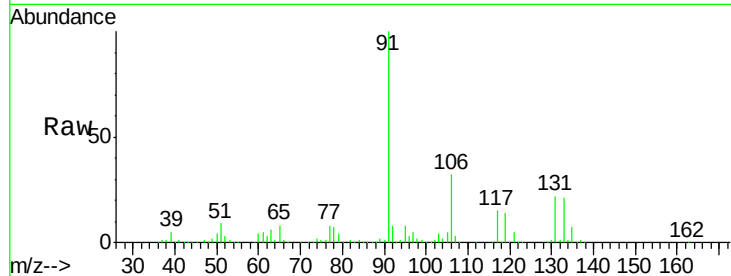




#67
Ethyl Benzene
Concen: 51.318 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

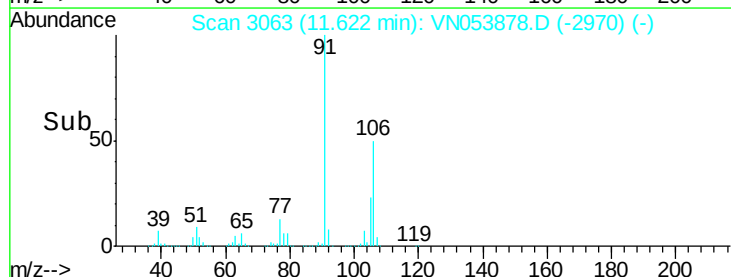
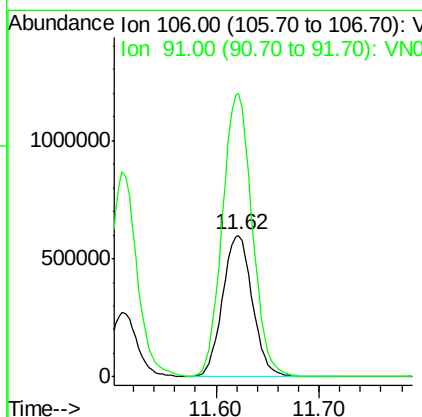
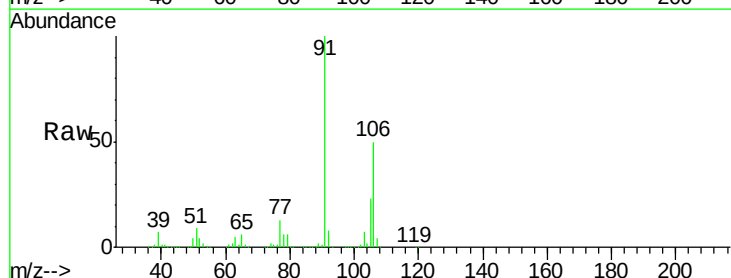
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

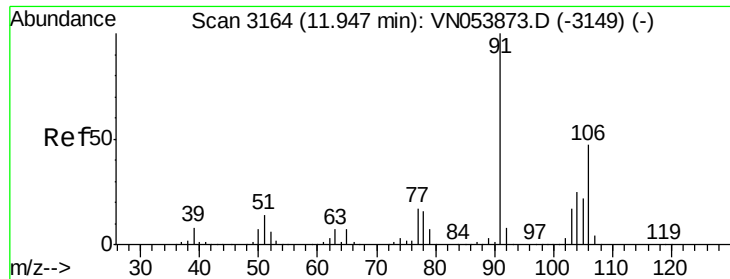
Tot Ion: 91 Resp: 1533318
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8



#68
m/p-Xylenes
Concen: 104.531 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion: 106 Resp: 1209310
Ion Ratio Lower Upper
106 100
91 200.1 158.9 238.3

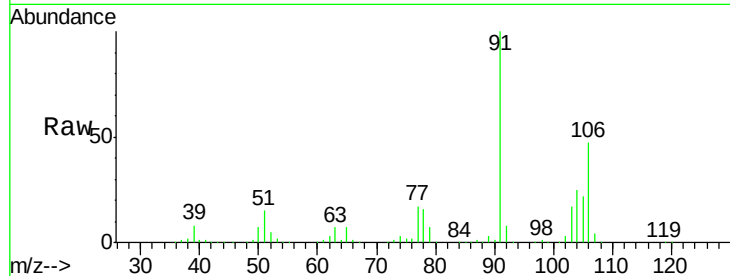




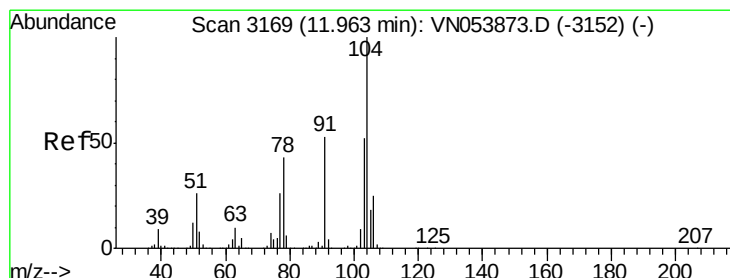
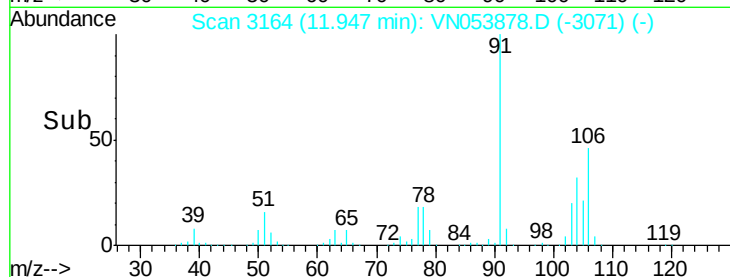
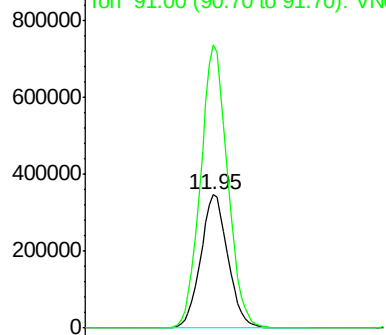
#69
o-Xylene
Concen: 53.463 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 595450
Ion Ratio Lower Upper
106 100
91 210.8 106.0 318.0

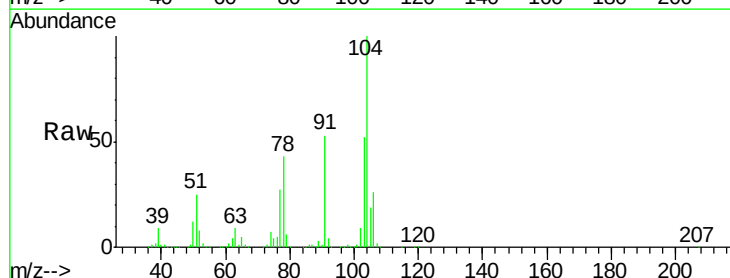


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

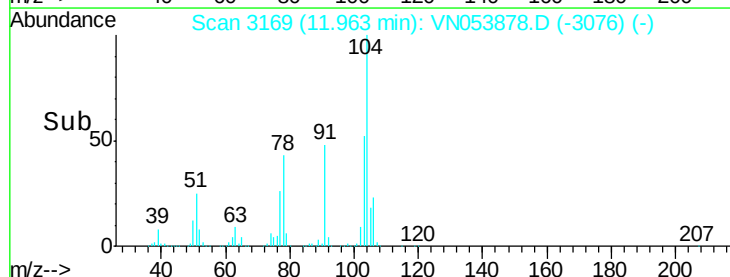
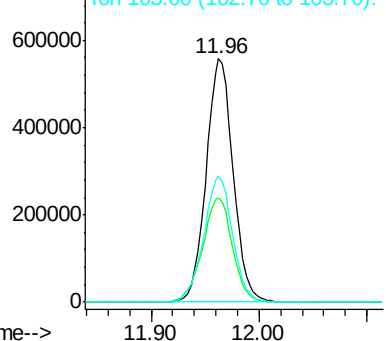


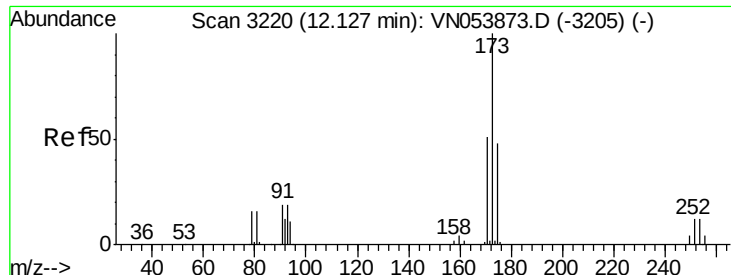
#70
Styrene
Concen: 55.668 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion:104 Resp: 972935
Ion Ratio Lower Upper
104 100
78 47.2 38.1 57.1
103 55.5 44.6 67.0



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

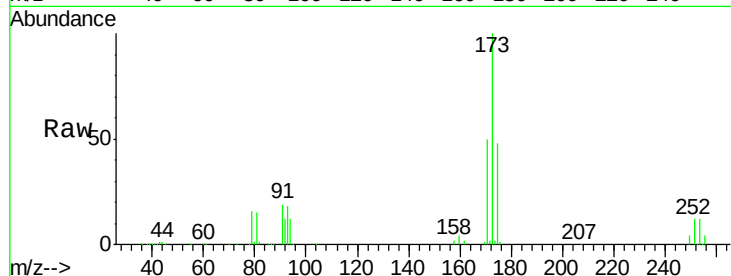




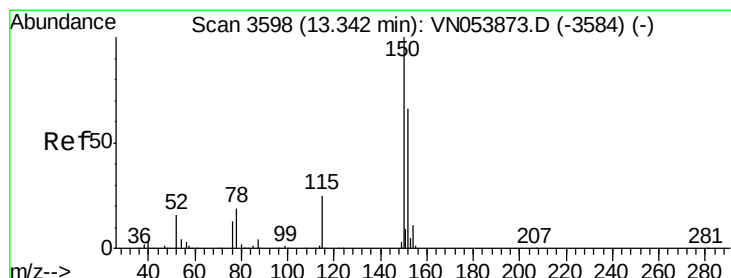
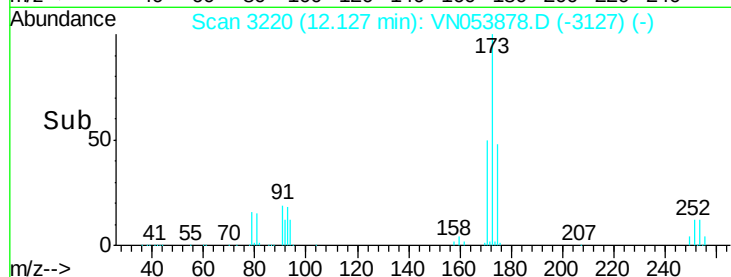
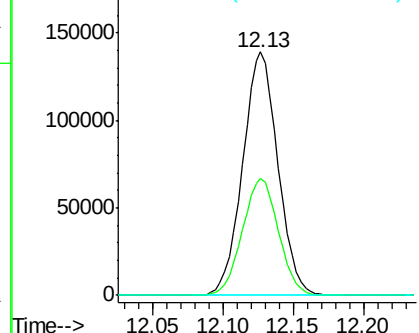
#71
Bromoform
Concen: 50.876 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 243250
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.1 0.2 0.2#

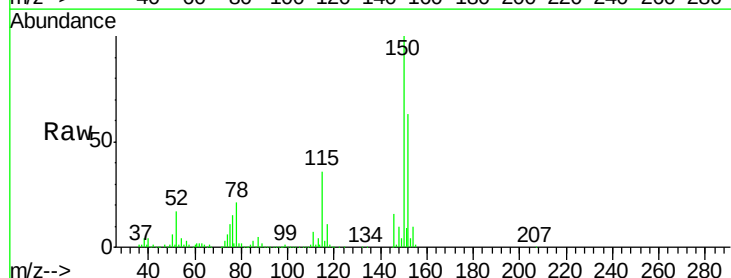


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

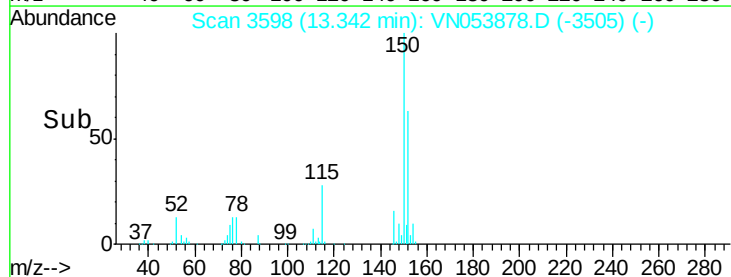
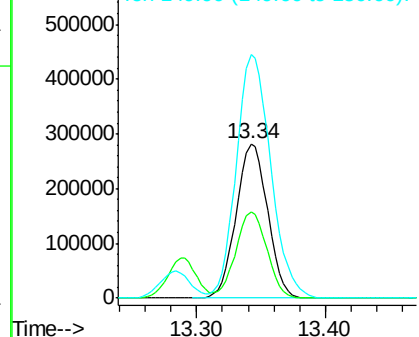


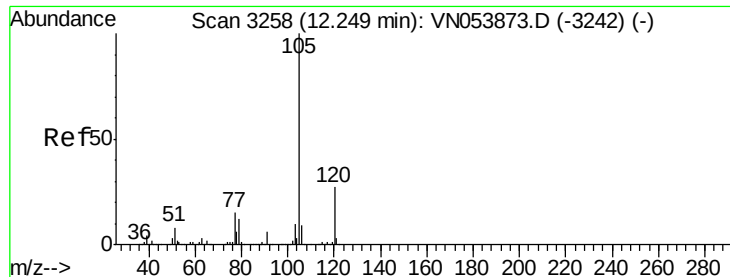
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053878.D
Acq: 21 Feb 2019 8:34

Tgt Ion:152 Resp: 476855
Ion Ratio Lower Upper
152 100
115 55.5 27.2 81.6
150 173.4 0.0 348.2



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





#73

Isopropylbenzene

Concen: 46.556 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

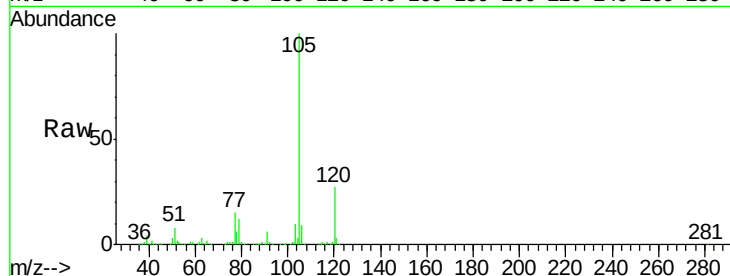
VSTDCCC050

Tot Ion:105 Resp: 1563976

Ion Ratio Lower Upper

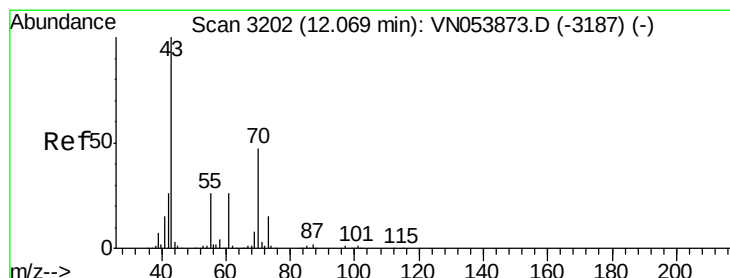
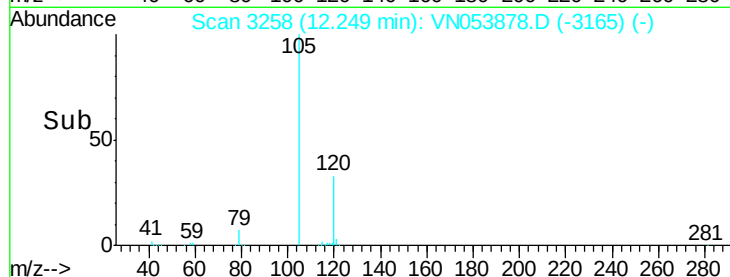
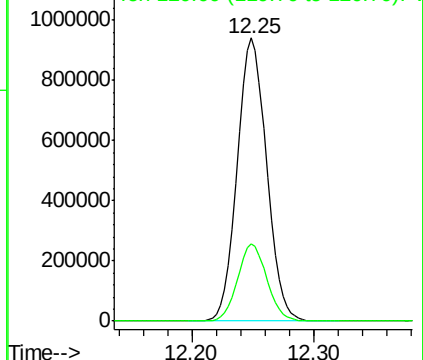
105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.607 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Tgt Ion: 43 Resp: 344117

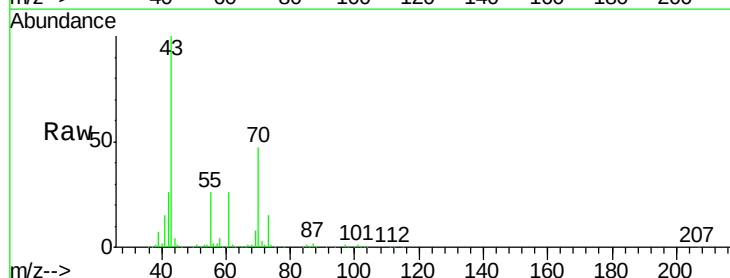
Ion Ratio Lower Upper

43 100

70 47.0 37.4 56.2

55 27.0 21.4 32.0

61 26.4 20.9 31.3

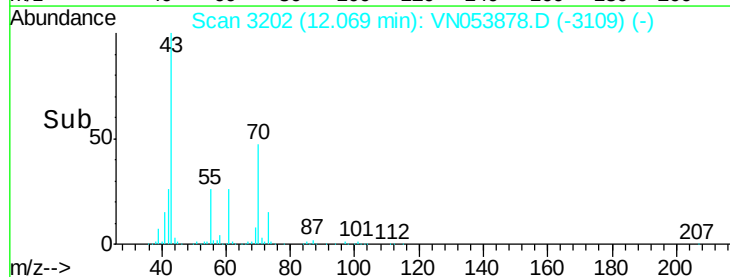
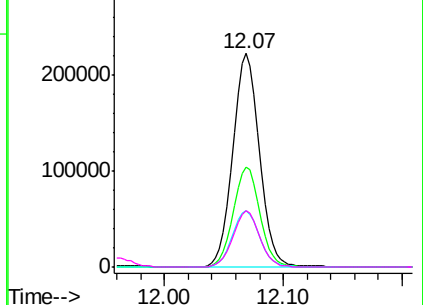


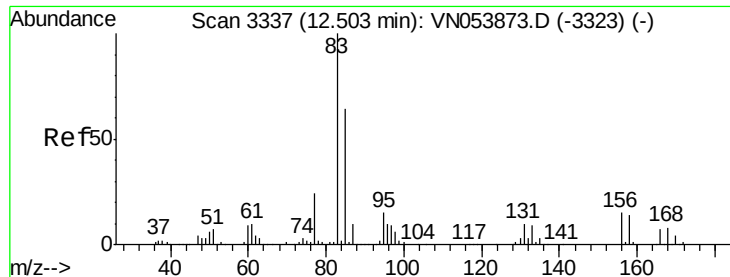
Abundance Ion 43.00 (42.70 to 43.70): V

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: 42.854 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

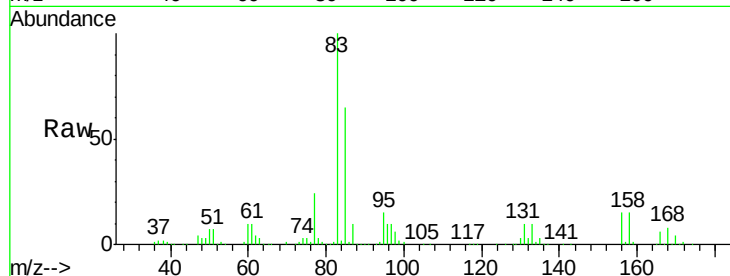
Tot Ion: 83 Resp: 340362

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

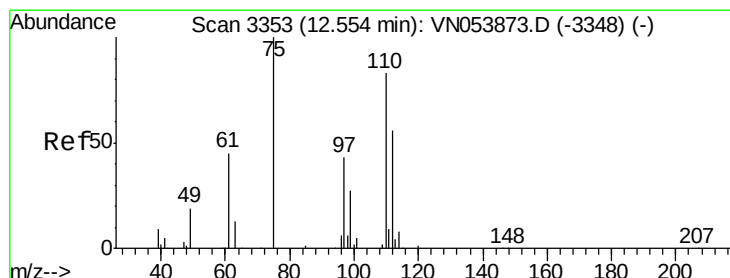
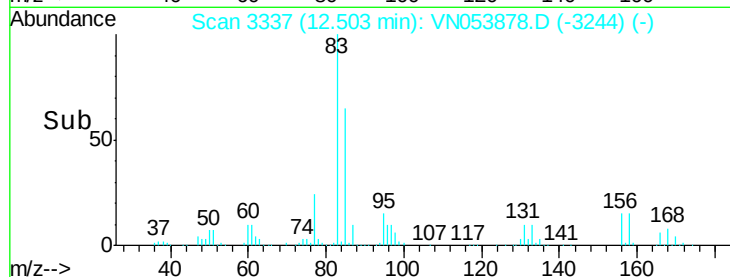
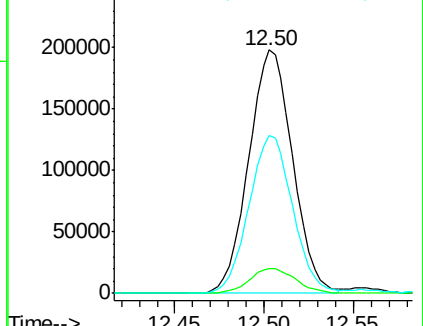
85 64.6 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 60.832 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053878.D

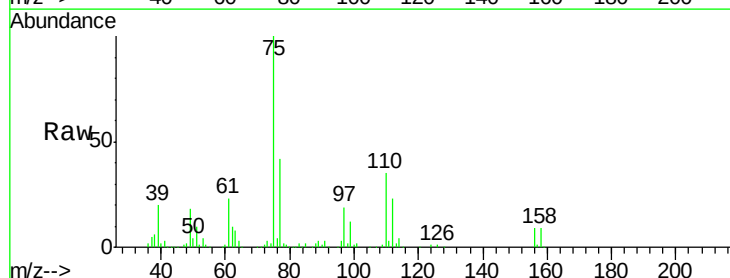
Acq: 21 Feb 2019 8:34

Tgt Ion: 75 Resp: 425842

Ion Ratio Lower Upper

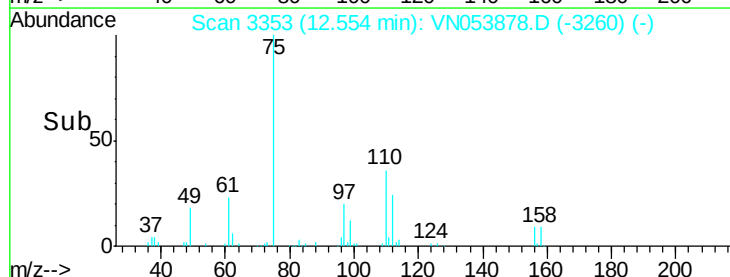
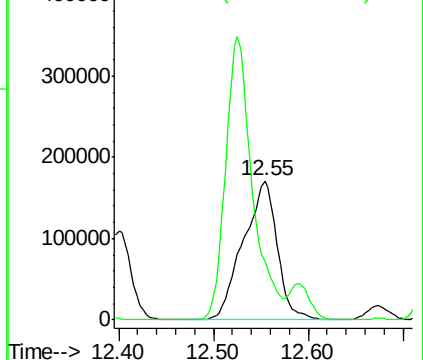
75 100

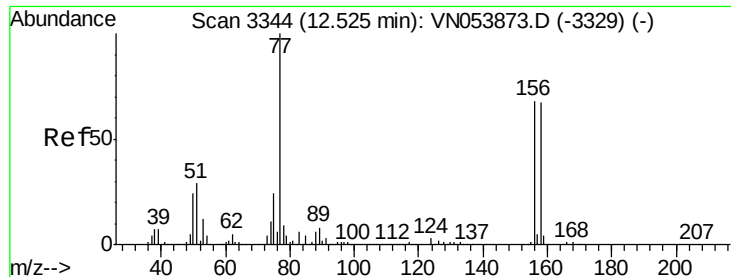
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.865 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

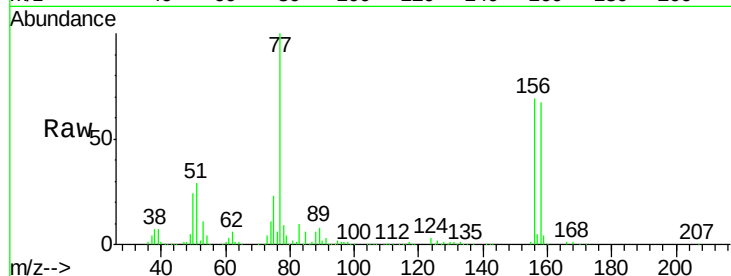
Tot Ion:156 Resp: 413324

Ion Ratio Lower Upper

156 100

77 166.3 84.0 252.2

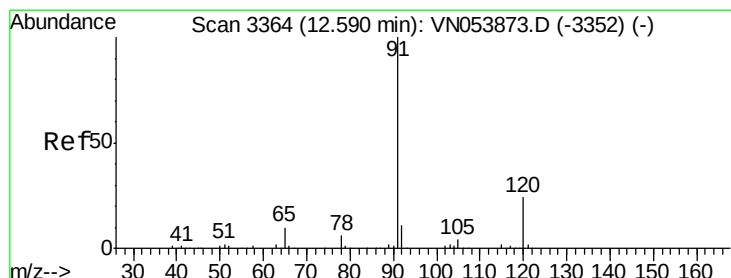
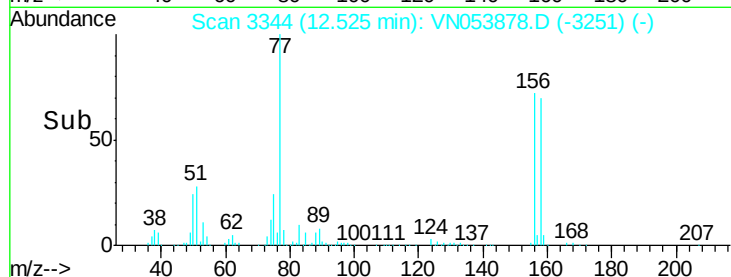
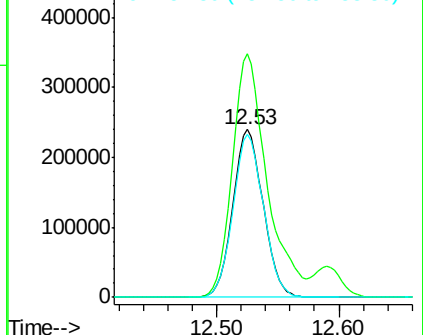
158 97.5 48.5 145.6



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: 49.253 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053878.D

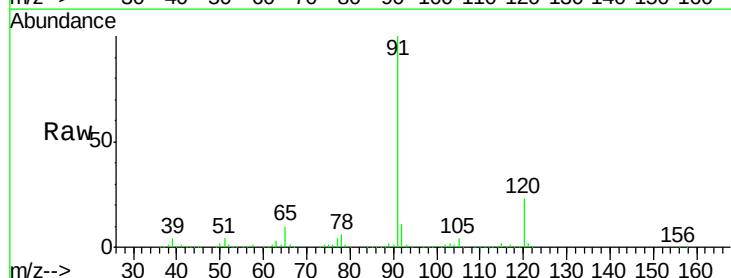
Acq: 21 Feb 2019 8:34

Tgt Ion: 91 Resp: 1850269

Ion Ratio Lower Upper

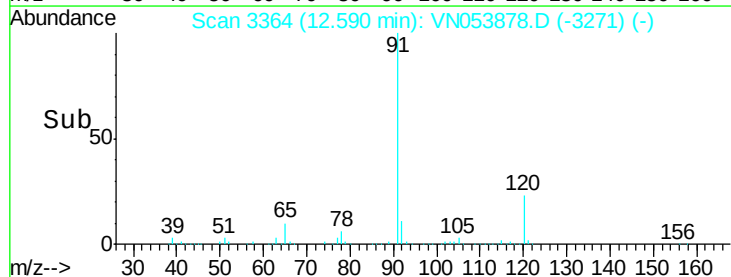
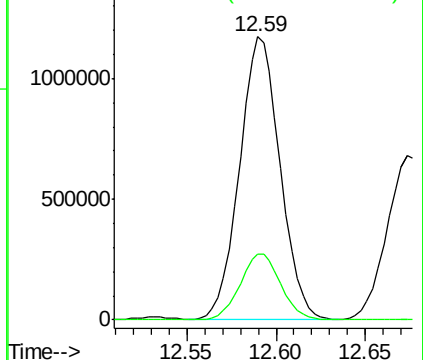
91 100

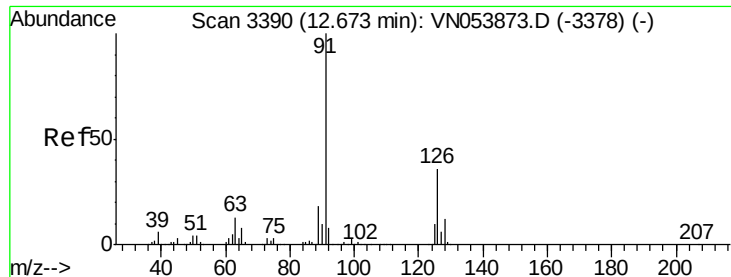
120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.933 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

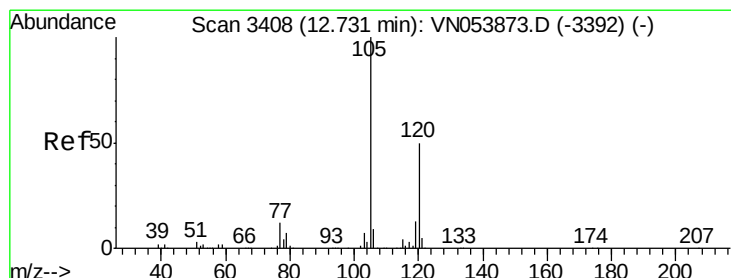
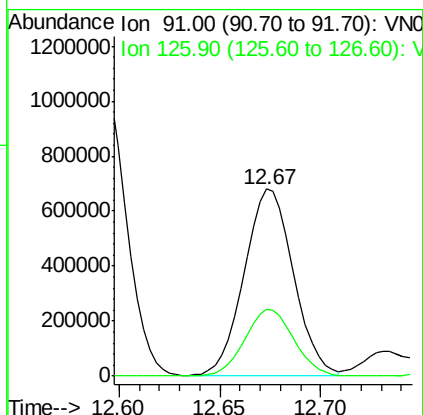
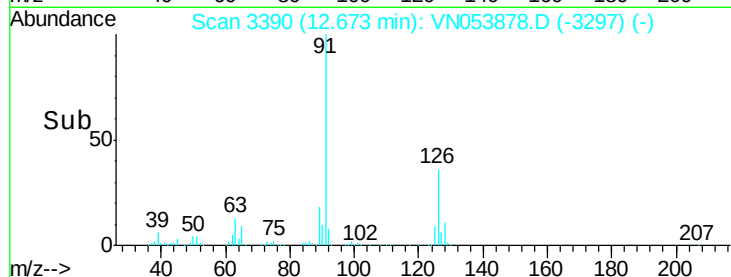
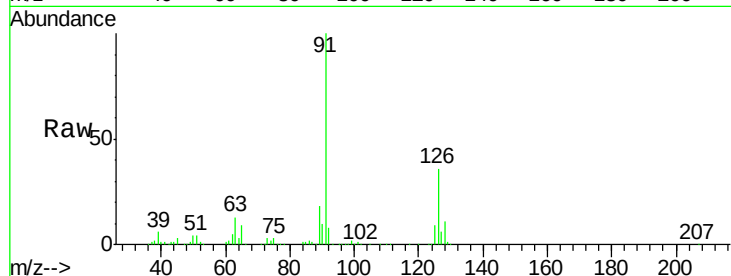
VSTDCCC050

Tot Ion: 91 Resp: 1153681

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 52.591 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053878.D

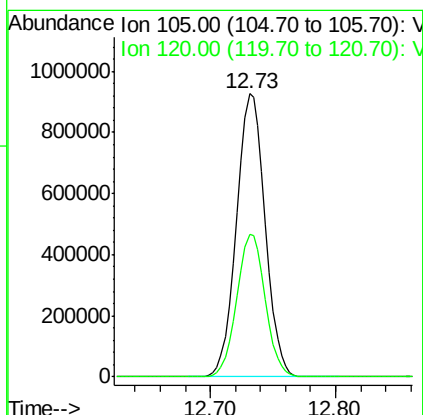
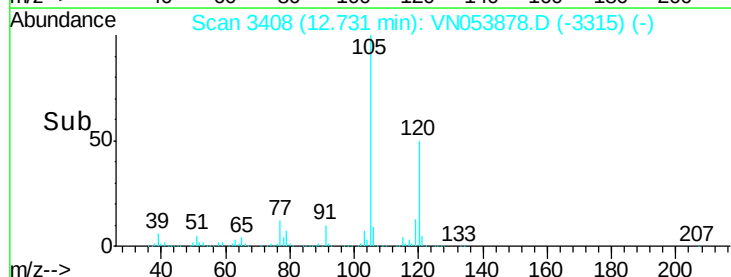
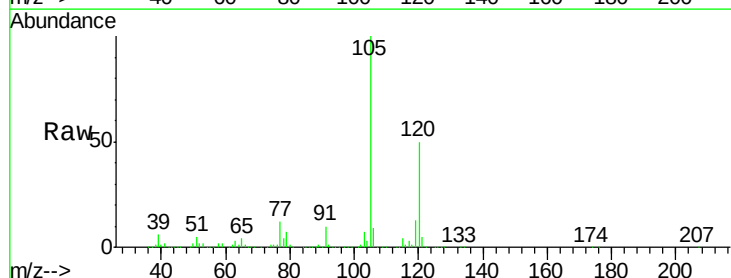
Acq: 21 Feb 2019 8:34

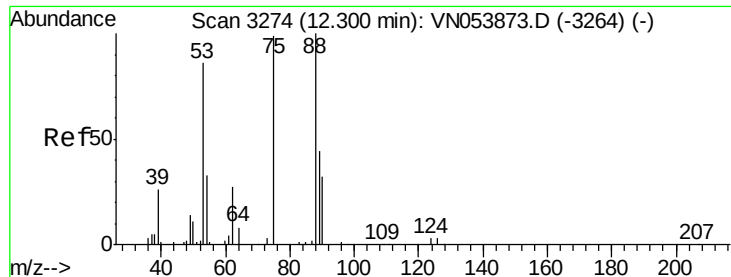
Tgt Ion: 105 Resp: 1466496

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 45.235 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

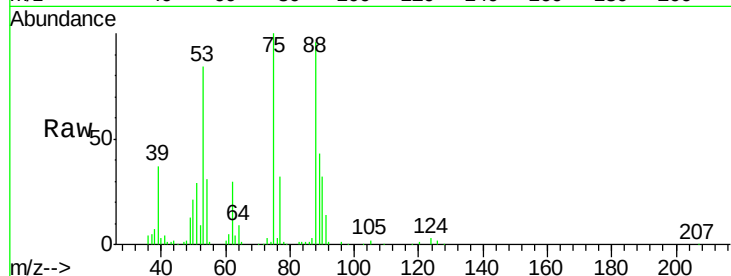
Tot Ion: 75 Resp: 95920

Ion Ratio Lower Upper

75 100

53 85.1 68.6 102.8

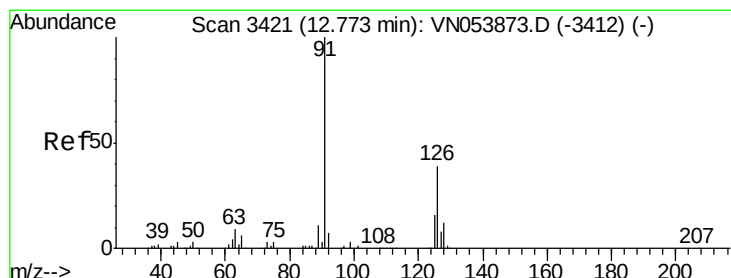
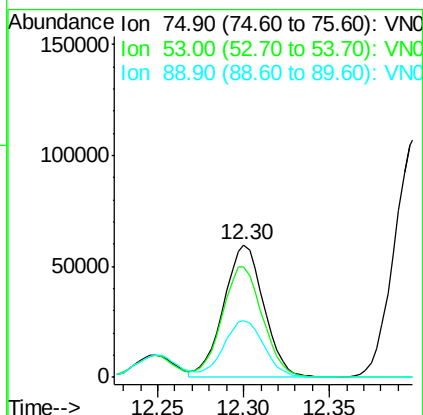
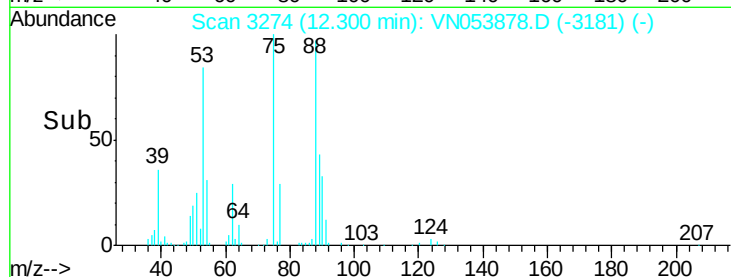
89 44.0 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.248 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053878.D

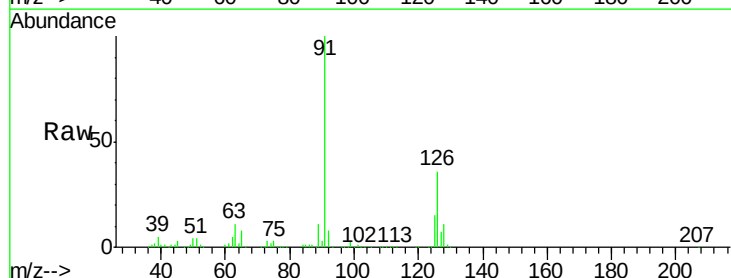
Acq: 21 Feb 2019 8:34

Tgt Ion: 91 Resp: 1179020

Ion Ratio Lower Upper

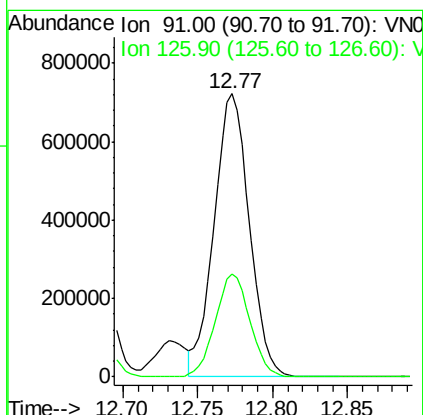
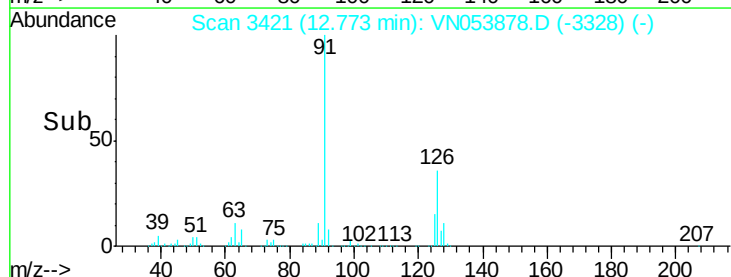
91 100

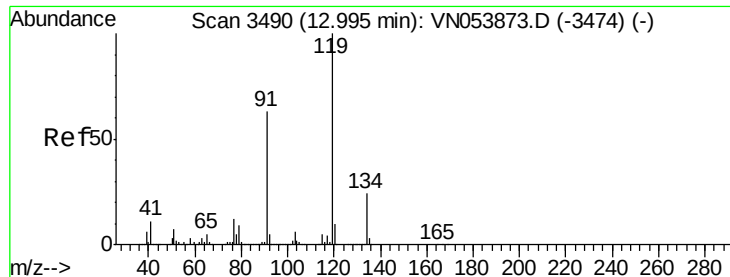
126 35.8 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 50.552 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

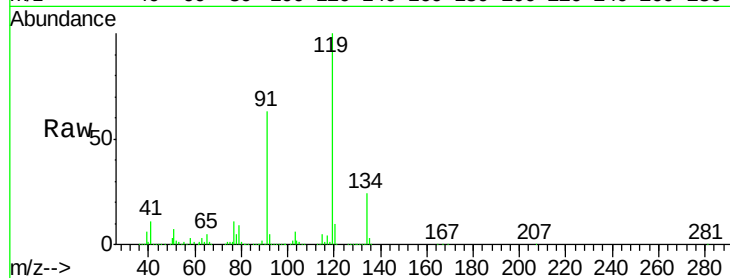
Tot Ion:119 Resp: 1265745

Ion Ratio Lower Upper

119 100

91 61.6 30.6 91.8

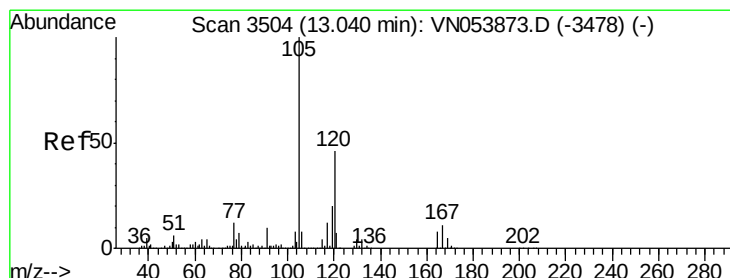
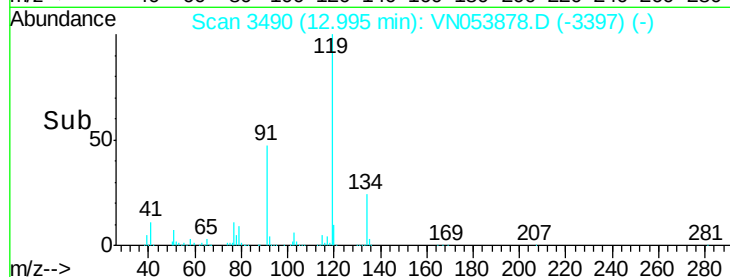
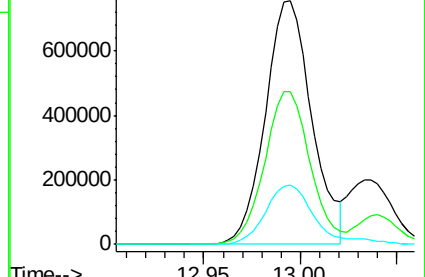
134 25.9 13.0 39.0



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: 53.193 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053878.D

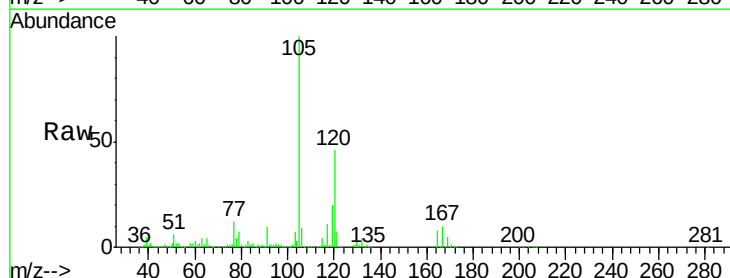
Acq: 21 Feb 2019 8:34

Tgt Ion:105 Resp: 1487661

Ion Ratio Lower Upper

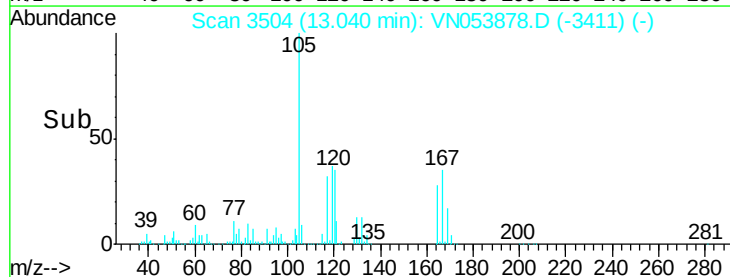
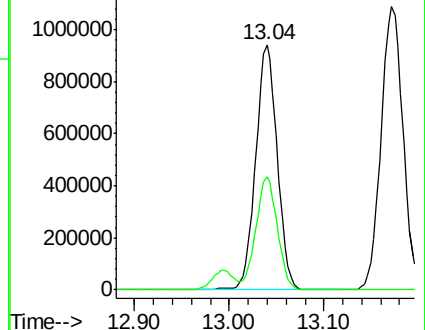
105 100

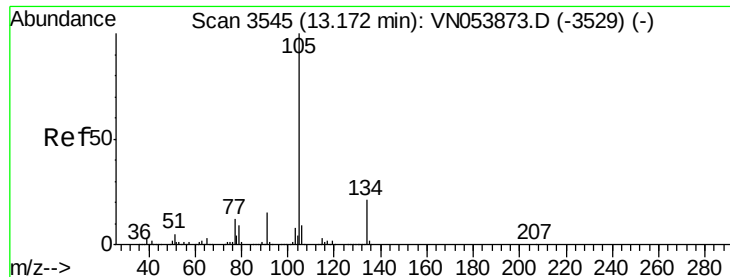
120 45.8 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.772 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

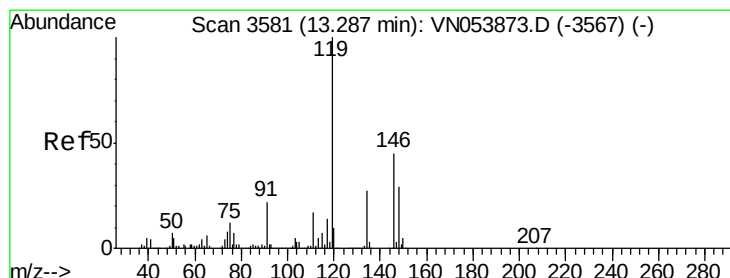
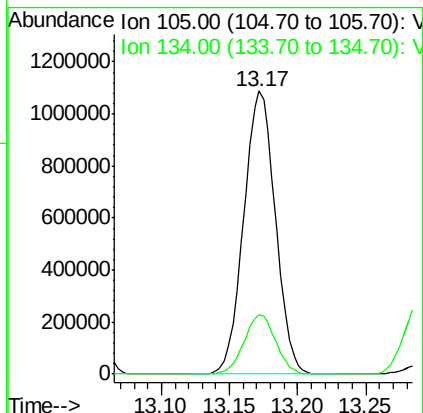
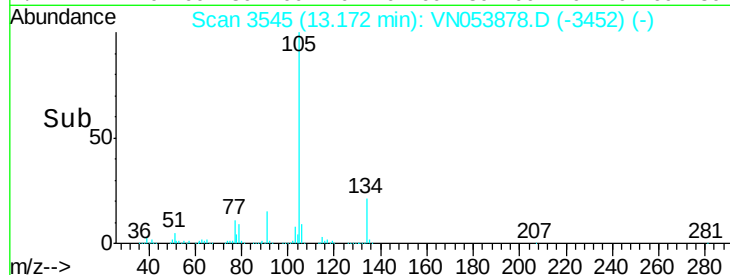
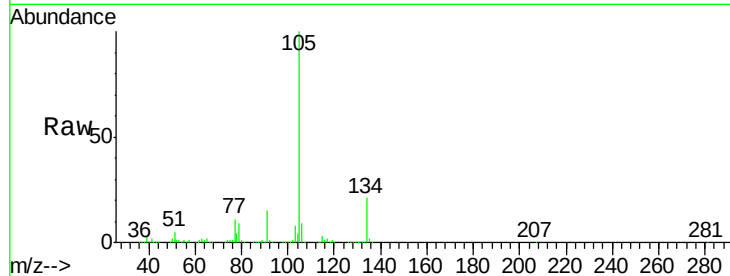
VSTDCCC050

Tot Ion:105 Resp: 1745384

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1



#86

p-Isopropyltoluene

Concen: 53.032 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

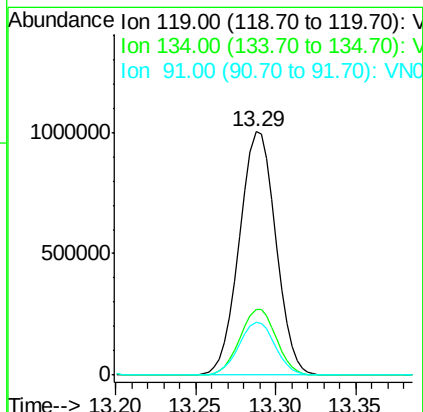
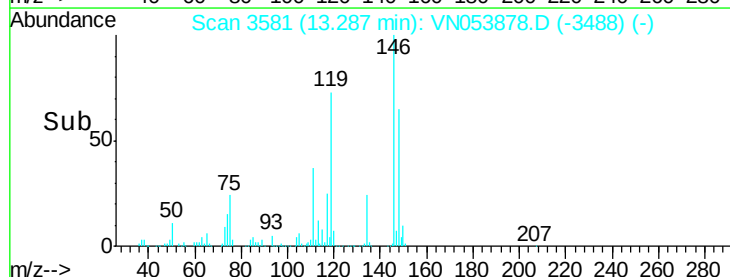
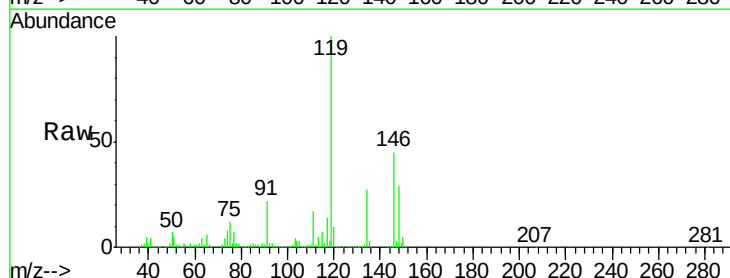
Tgt Ion:119 Resp: 1551658

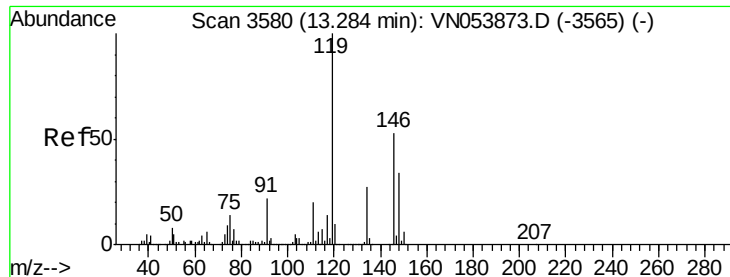
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.6 10.9 32.6

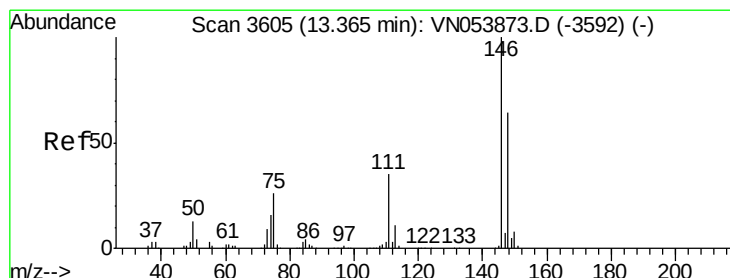
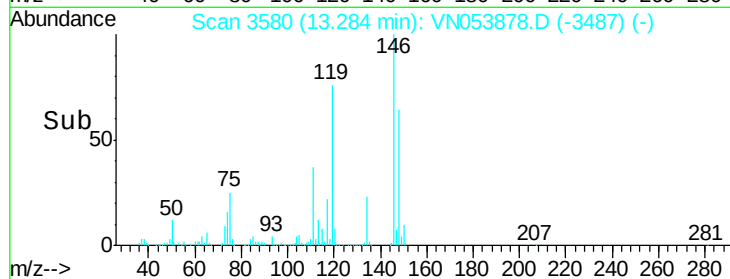
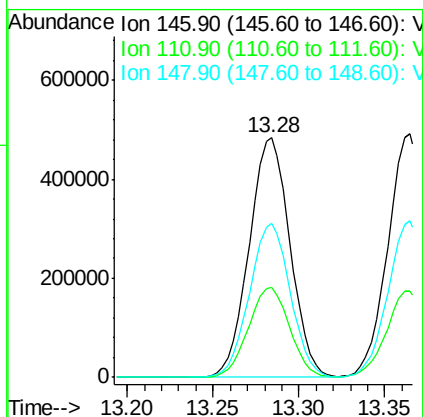
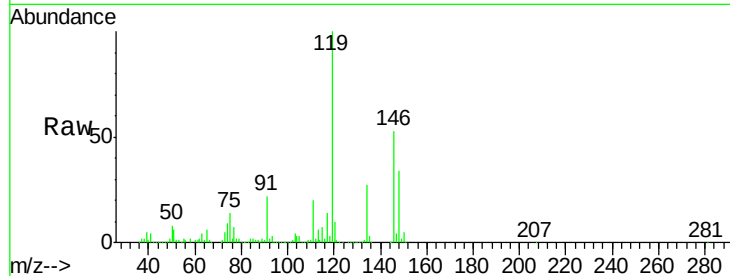




#87
 1,3-Dichlorobenzene
 Concen: 50.736 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

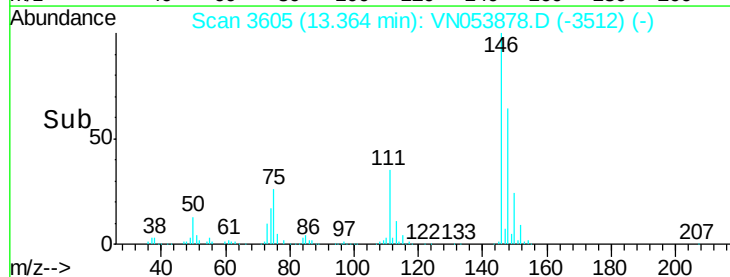
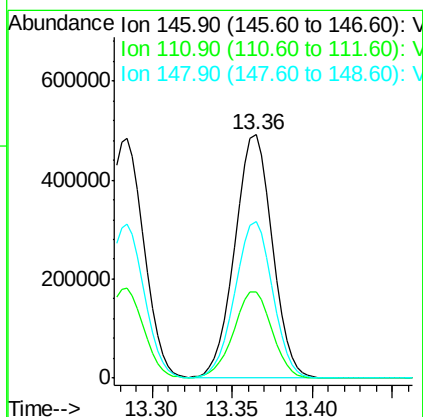
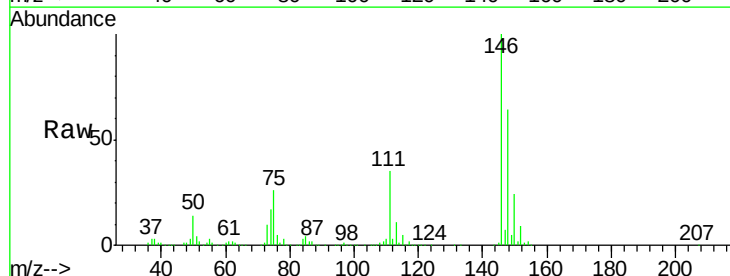
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

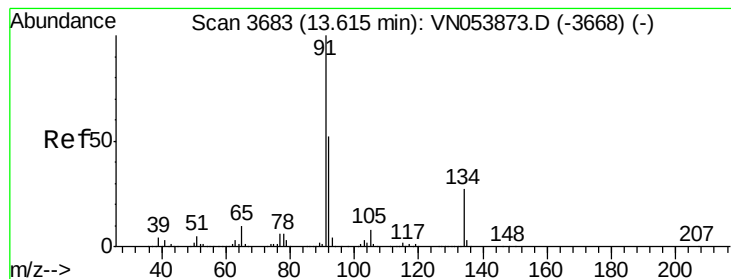
Tot Ion:146 Resp: 797847
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.589 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion:146 Resp: 784636
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.0 54.0
 148 64.7 32.1 96.5





#89

n-Butylbenzene

Concen: 55.083 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

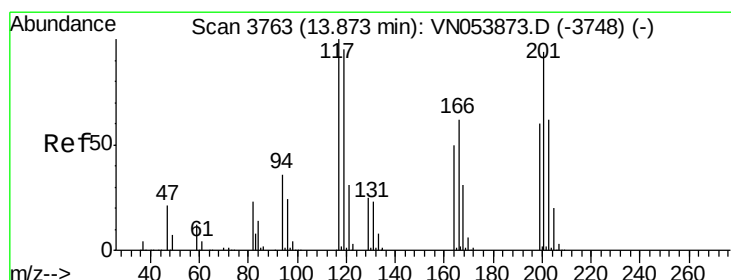
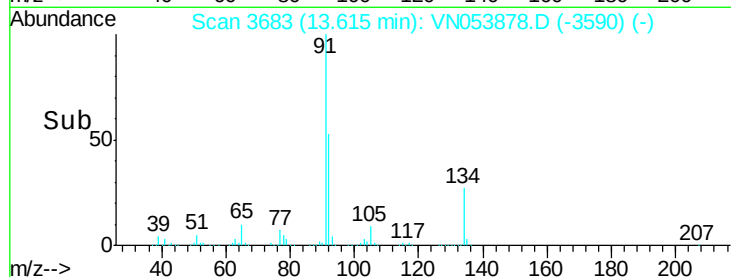
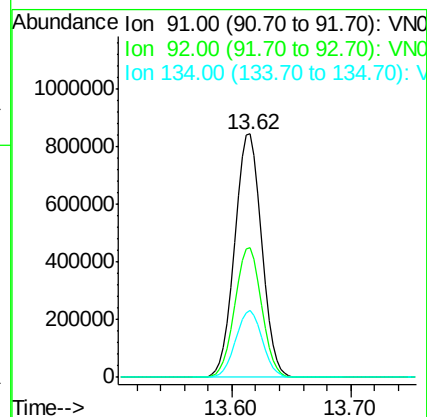
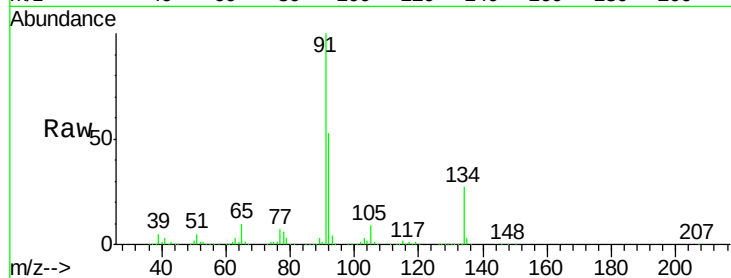
Tot Ion: 91 Resp: 1325327

Ion Ratio Lower Upper

91 100

92 52.8 26.1 78.2

134 27.1 13.6 40.8



#90

Hexachloroethane

Concen: 46.013 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053878.D

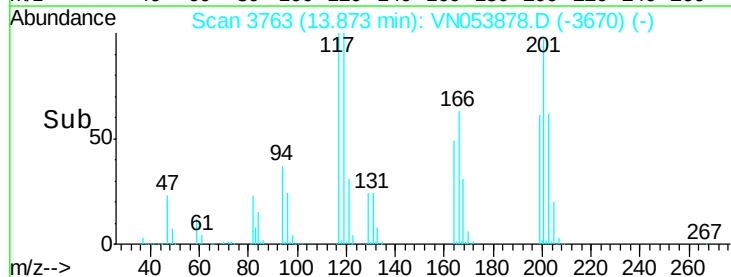
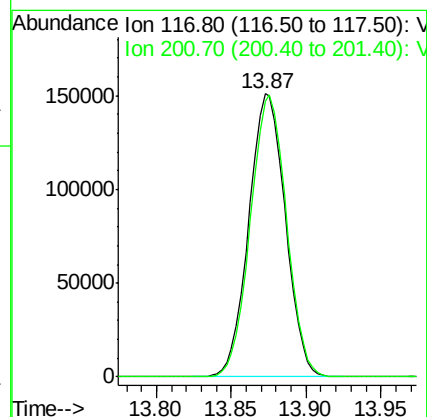
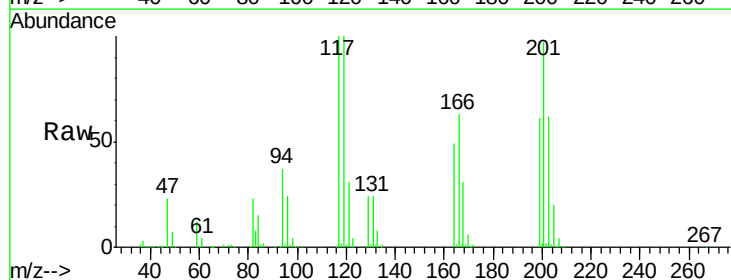
Acq: 21 Feb 2019 8:34

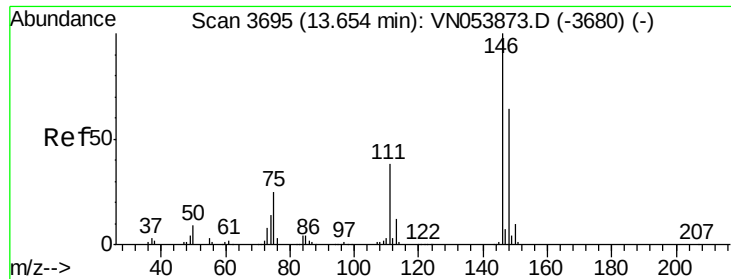
Tgt Ion: 117 Resp: 257191

Ion Ratio Lower Upper

117 100

201 98.2 48.0 144.2

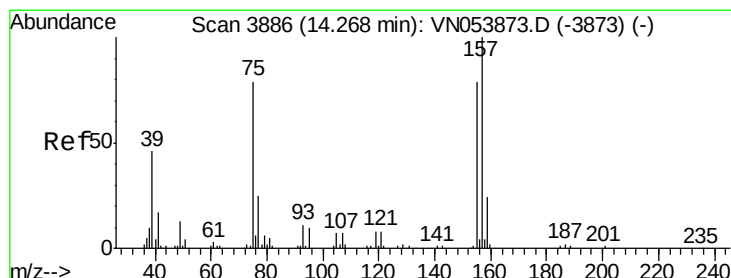
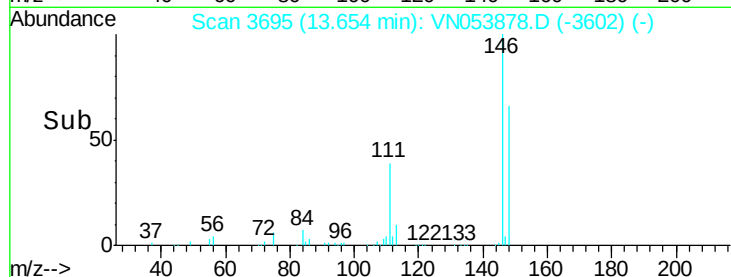
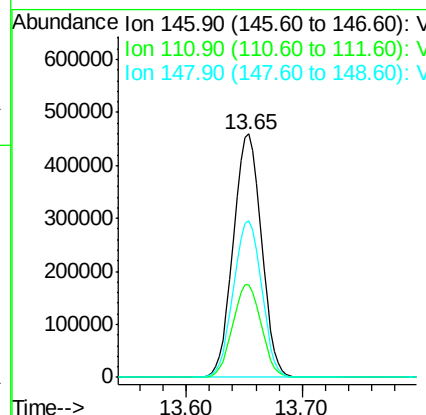
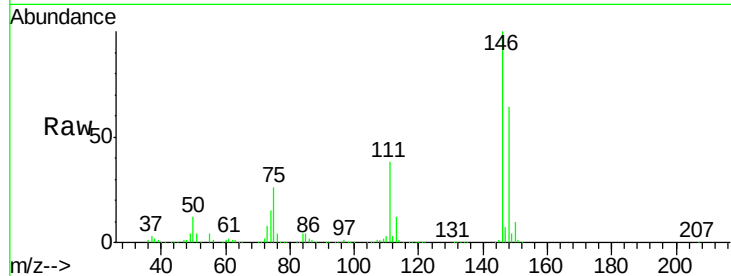




#91
 1,2-Dichlorobenzene
 Concen: 49.851 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

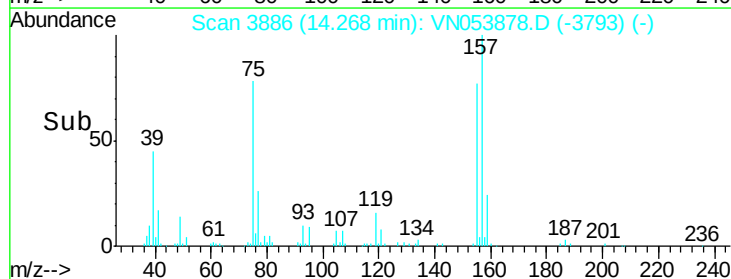
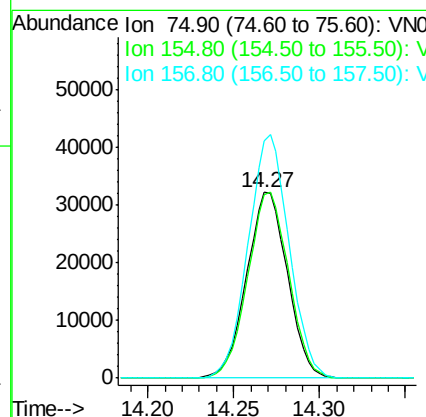
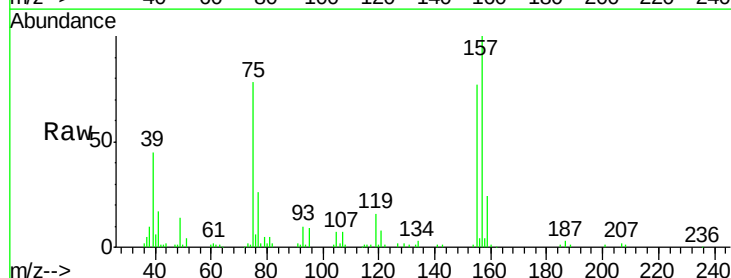
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

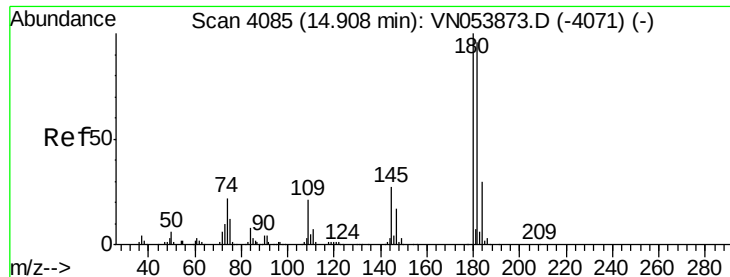
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.5
148	64.8	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.025 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	49.5	148.5
157	130.7	64.8	194.6

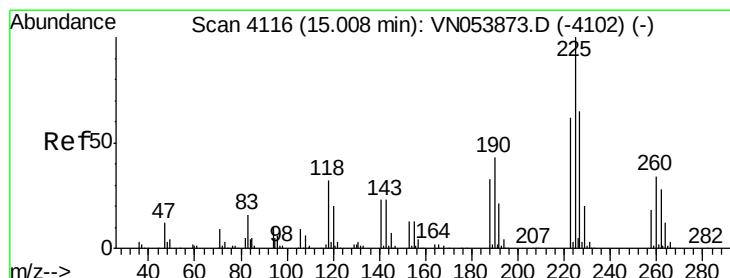
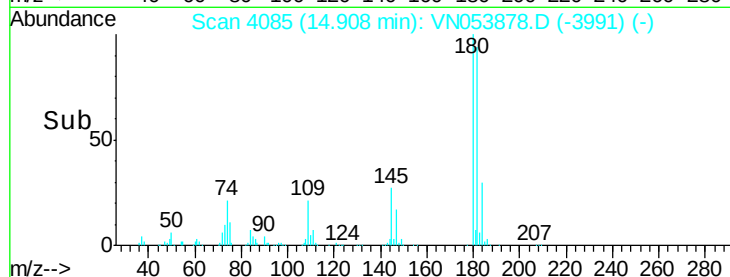
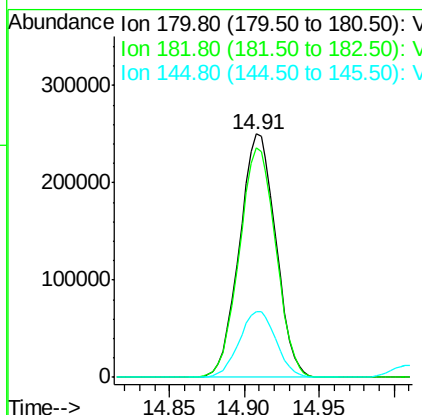
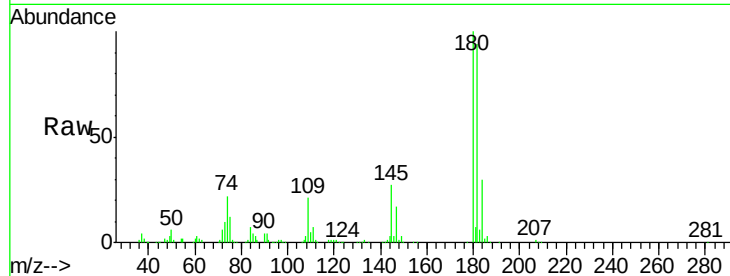




#93
 1,2,4-Trichlorobenzene
 Concen: 45.451 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

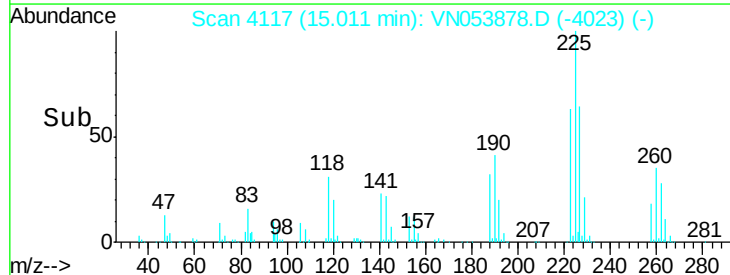
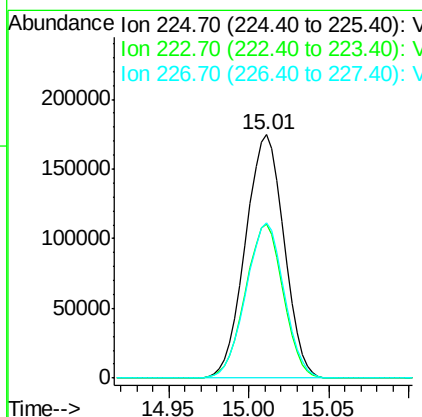
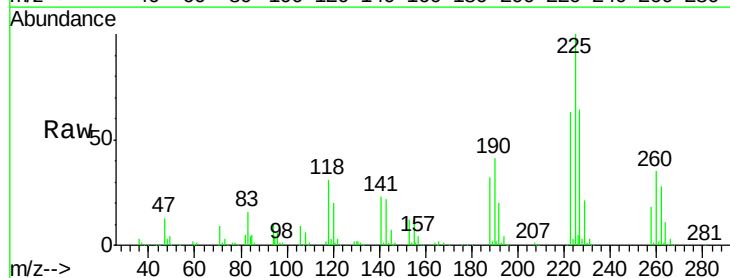
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

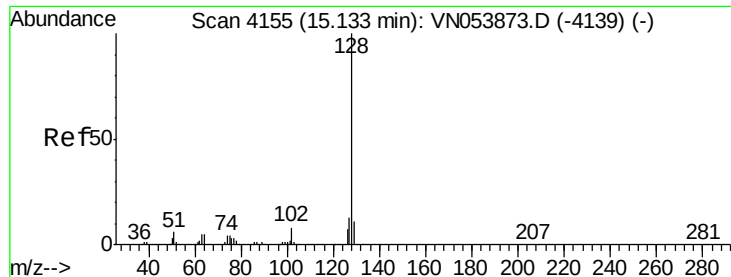
Tot Ion:180 Resp: 422158
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.6 145.9
 145 27.5 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 44.745 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053878.D
 Acq: 21 Feb 2019 8:34

Tgt Ion:225 Resp: 287892
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.9 92.5
 227 63.2 32.5 97.4





#95

Naphthalene

Concen: 40.683 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

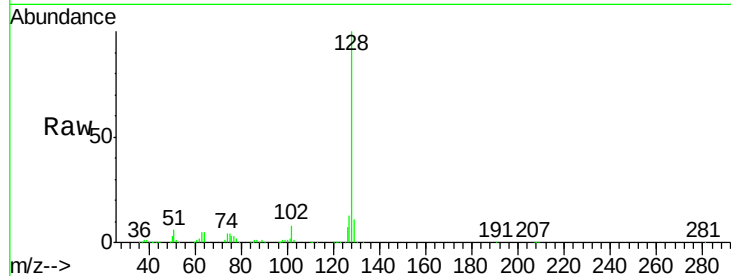
Tot Ion:128 Resp: 751832

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

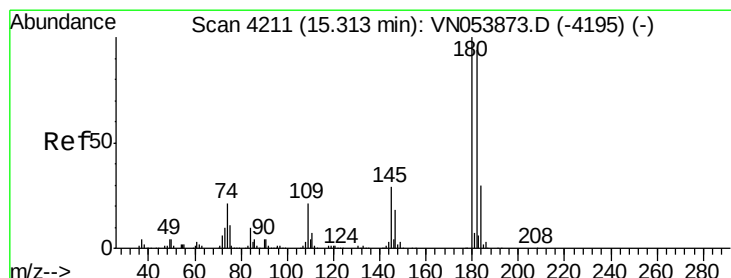
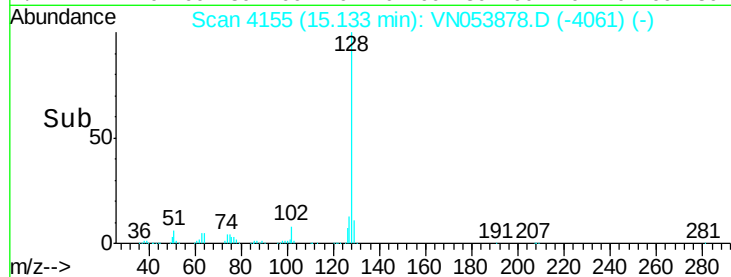
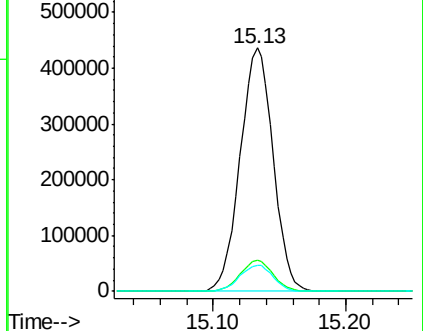
129 10.9 8.6 12.8



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: 44.996 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053878.D

Acq: 21 Feb 2019 8:34

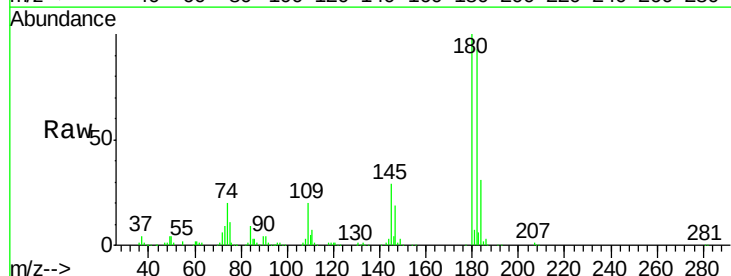
Tgt Ion:180 Resp: 396606

Ion Ratio Lower Upper

180 100

182 94.0 47.3 141.8

145 28.7 14.4 43.0



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

