

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052352.D
 Acq On : 16 Nov 2018 8:52
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Nov 16 22:33:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	46746	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	277976	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	244773	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	116378	33.54	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.80%
60) 4-Bromofluorobenzene	12.40	95	117239	29.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.80%
63) Toluene-d8	10.09	98	345959	30.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	75069	24.044	ug/l 98
3) Chloromethane	2.06	50	81737	22.907	ug/l 99
4) Vinyl Chloride	2.19	62	71285	20.365	ug/l 99
5) Bromomethane	2.56	94	42645	17.849	ug/l 98
6) Chloroethane	2.71	64	39734	17.753	ug/l 99
7) Trichlorofluoromethane	3.02	101	101054	21.319	ug/l 99
8) Diethyl Ether	3.41	74	35300	22.056	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	3.76	101	63647	22.973	ug/l 97
10) 1,1-Dichloroethene	3.74	96	52467	20.296	ug/l 95
11) Methyl Iodide	3.96	142	75999	20.333	ug/l 97
12) Methyl Acetate	4.32	43	58670	26.964	ug/l 100
13) Acrolein	3.60	56	27399	118.718	ug/l 99
14) Acrylonitrile	4.98	53	105253	109.078	ug/l 98
15) Acetone	3.82	58	31795	139.418	ug/l # 66
16) Carbon Disulfide	4.06	76	134896	17.673	ug/l 99
17) Allyl chloride	4.33	41	105178	23.963	ug/l 97
18) Methylene Chloride	4.55	84	66518	20.847	ug/l 87
19) trans-1,2-Dichloroethene	5.04	96	57052	20.143	ug/l 93
20) Diisopropyl ether	5.95	45	240614	25.227	ug/l 99
21) 1,1-Dichloroethane	5.85	63	125394	22.497	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	68636	20.752	ug/l 91
23) tert-Butyl Alcohol	4.87	59	101	0.672	ug/l # 99
24) Methyl tert-Butyl Ether	5.04	73	160955	21.962	ug/l 93
25) Chloroform	7.37	83	132743	23.718	ug/l 94
26) Cyclohexane	7.65	56	107723	21.559	ug/l # 87
29) 1,1-Dichloropropene	7.79	75	90032	20.400	ug/l 98
30) 2-Butanone	6.83	43	149171	126.923	ug/l # 82
31) 2,2-Dichloropropane	6.82	77	96535	21.234	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	104990	21.262	ug/l 96
33) Carbon Tetrachloride	7.77	117	88835	20.229	ug/l 95
34) Benzene	8.04	78	264698	20.484	ug/l 96
35) Methacrylonitrile	7.17	41	34478	21.388	ug/l # 79
36) 1,2-Dichloroethane	8.12	62	97930	22.666	ug/l 97
37) Trichloroethene	8.83	130	66587	20.588	ug/l 84
38) Methylcyclohexane	9.08	83	102312	19.004	ug/l 95
39) 1,2-Dichloropropane	9.12	63	74659	21.704	ug/l 94
40) Dibromomethane	9.21	93	42363	19.980	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	93187	21.481	ug/l	100
42) Vinyl Acetate	5.89	43	802849	116.686	ug/l	97
43) Ethyl Acetate	6.83	43	149171	25.256	ug/l #	86
45) 1,4-Dioxane	9.19	88	7167	321.264	ug/l #	85
46) Methyl methacrylate	9.20	41	58461	24.016	ug/l	89
47) n-amyl Acetate	12.07	43	97204	21.929	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	90253	20.951	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	107341	21.589	ug/l #	84
50) 1,1,2-Trichloroethane	10.56	97	57593	20.542	ug/l	95
51) Ethyl methacrylate	10.43	69	73716	20.344	ug/l	81
52) 1,3-Dichloropropane	10.71	76	101093	20.700	ug/l	99
53) Dibromochloromethane	10.90	129	63614	21.017	ug/l	98
54) 1,2-Dibromoethane	11.00	107	54126	19.037	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	209202	105.432	ug/l	98
56) Bromoform	12.12	173	34741	19.872	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	303578	115.743	ug/l	95
59) 2-Hexanone	10.75	43	220336	122.007	ug/l	94
61) Tetrachloroethene	10.63	164	59050	22.182	ug/l	91
62) Toluene	10.15	91	285886	20.806	ug/l	99
64) Chlorobenzene	11.43	112	176431	20.260	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	61355	20.700	ug/l	96
66) Ethyl Benzene	11.51	91	312042	21.024	ug/l	98
67) m/p-Xylenes	11.62	106	231826	40.570	ug/l	97
68) o-Xylene	11.94	106	111638	20.492	ug/l	97
69) Styrene	11.96	104	180937	20.610	ug/l	97
70) Isopropylbenzene	12.25	105	309930	21.192	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	67647	21.029	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	87262	30.852	ug/l	53
73) Bromobenzene	12.52	156	68154	21.031	ug/l	96
74) n-propylbenzene	12.59	91	366411	21.515	ug/l	98
75) 2-Chlorotoluene	12.67	91	209983	21.386	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	255479	21.785	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	17151	19.380	ug/l	85
78) 4-Chlorotoluene	12.77	91	211478	21.388	ug/l	98
79) tert-butylbenzene	12.99	119	220234	21.559	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	253839	21.727	ug/l	99
81) sec-Butylbenzene	13.17	105	305984	21.765	ug/l	100
82) p-Isopropyltoluene	13.29	119	255209	21.481	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	125937	21.971	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	119285	21.021	ug/l	98
85) n-Butylbenzene	13.61	91	220711	21.464	ug/l	98
86) Hexachloroethane	13.87	117	44694	22.292	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	121308	22.275	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	9305	21.154	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	47679	21.567	ug/l	98
90) Hexachlorobutadiene	15.01	225	31385	25.949	ug/l	98
91) Naphthalene	15.13	128	94058	18.459	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	41427	21.501	ug/l	99

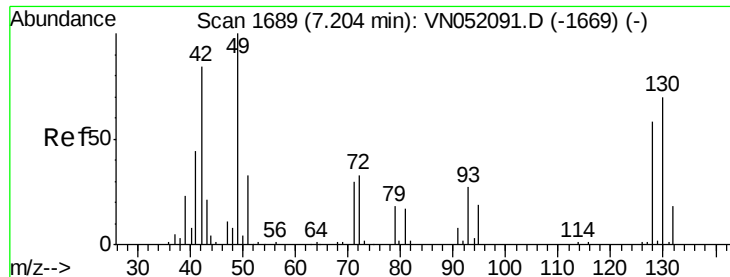
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

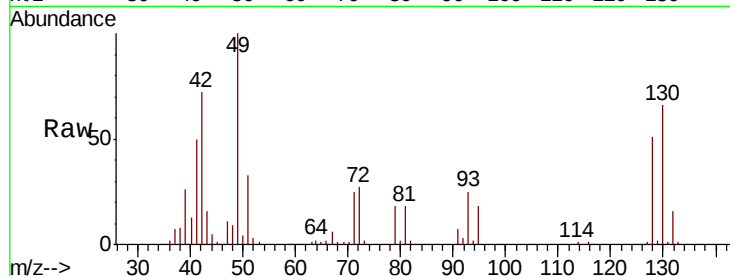
Tot Ion:128 Resp: 46746

Ion Ratio Lower Upper

128 100

49 206.6 0.0 453.7

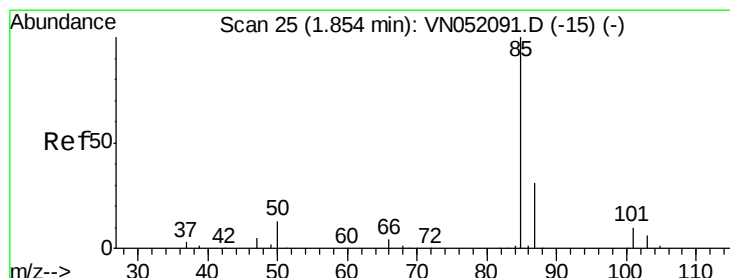
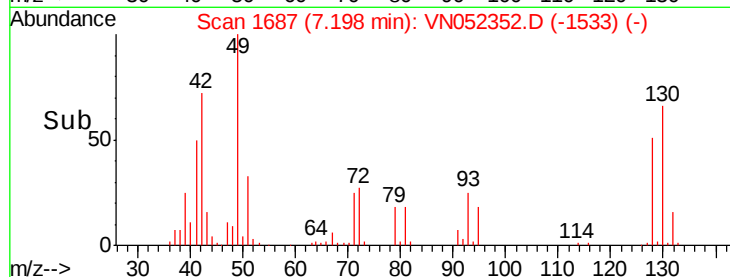
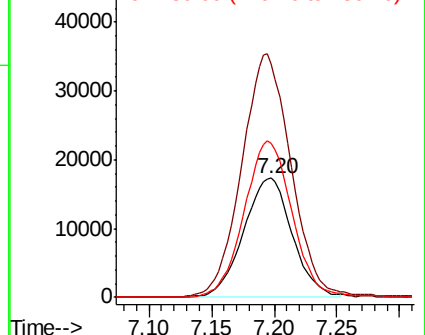
130 129.3 0.0 308.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 24.044 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052352.D

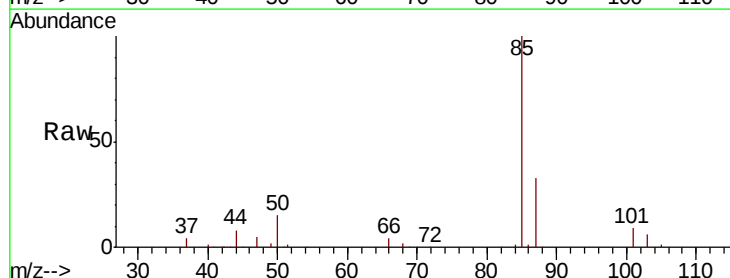
Acq: 16 Nov 2018 8:52

Tgt Ion: 85 Resp: 75069

Ion Ratio Lower Upper

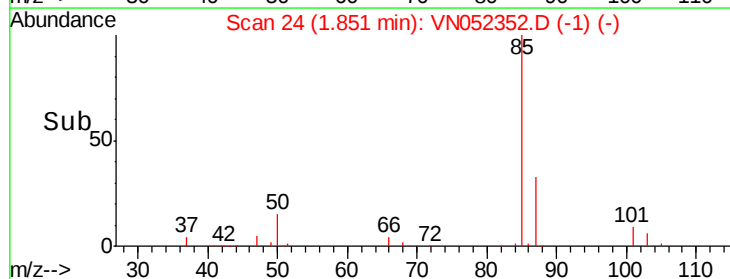
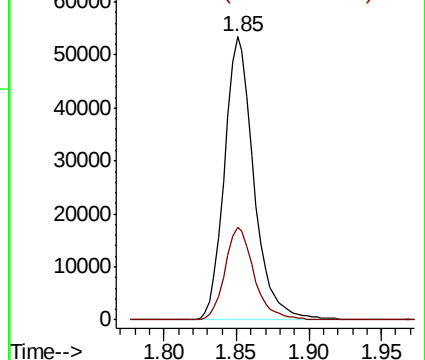
85 100

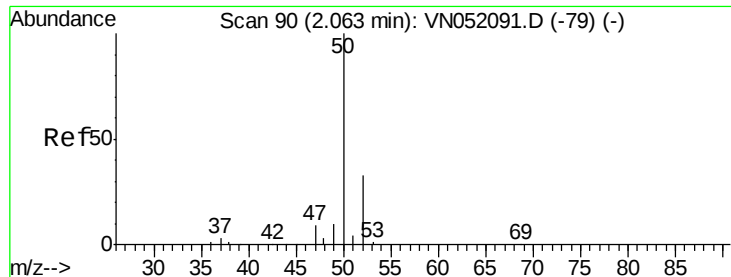
87 32.8 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 22.907 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

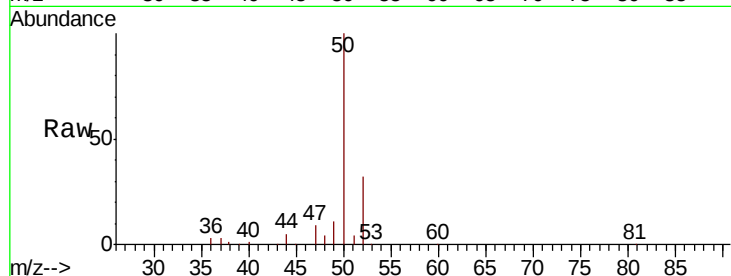
VSTDCCC020

Tot Ion: 50 Resp: 81737

Ion Ratio Lower Upper

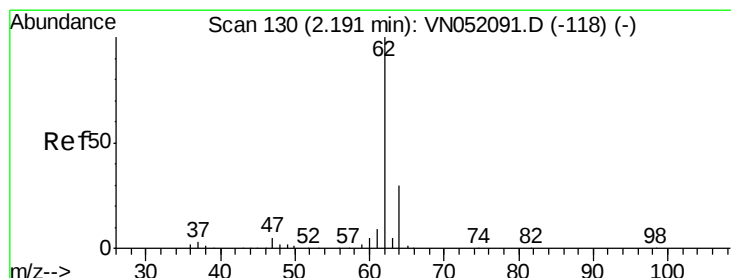
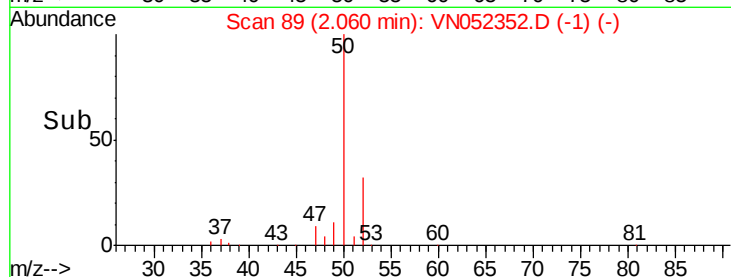
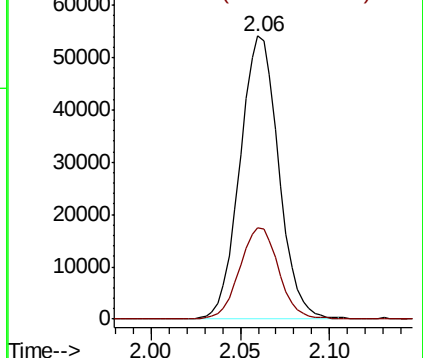
50 100

52 32.4 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.365 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052352.D

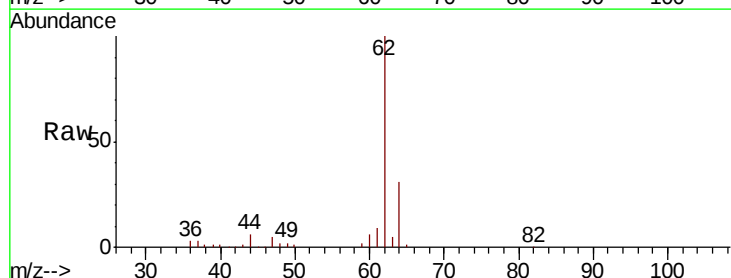
Acq: 16 Nov 2018 8:52

Tgt Ion: 62 Resp: 71285

Ion Ratio Lower Upper

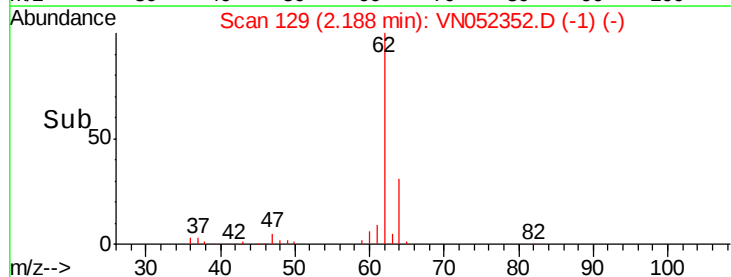
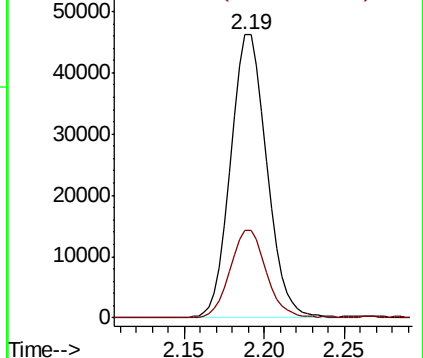
62 100

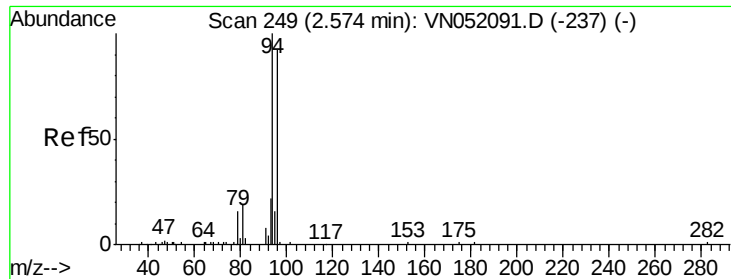
64 30.9 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.849 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

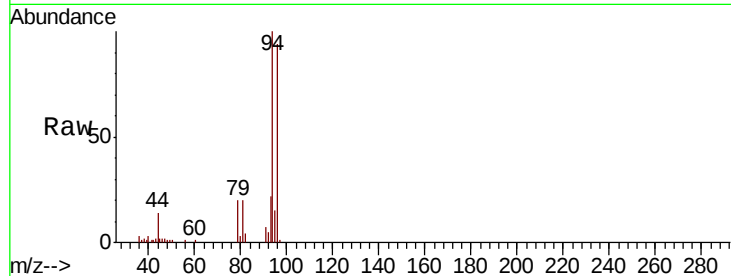
VSTDCCC020

Tot Ion: 94 Resp: 42645

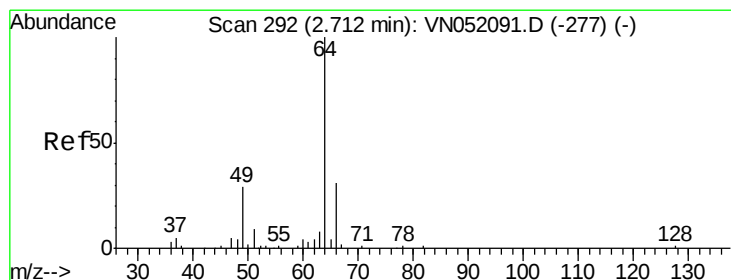
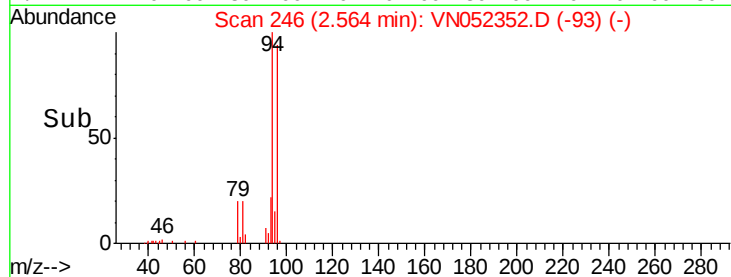
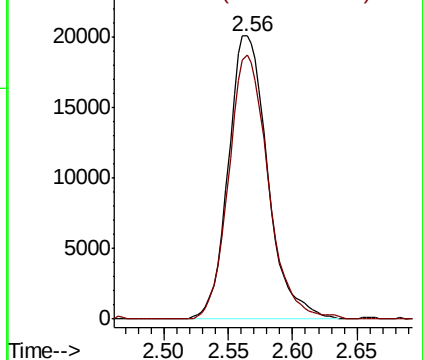
Ion Ratio Lower Upper

94 100

96 93.5 73.4 110.0



Abundance Ion 94.00 (93.70 to 94.70): VNO
Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 17.753 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052352.D

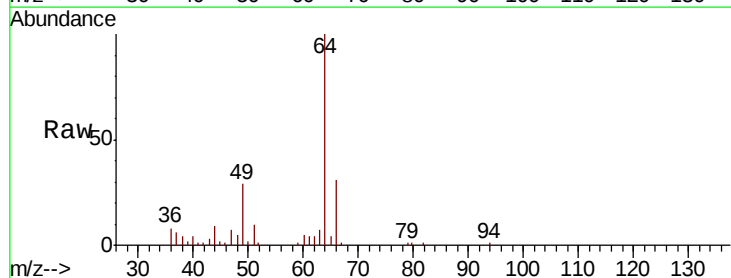
Acq: 16 Nov 2018 8:52

Tgt Ion: 64 Resp: 39734

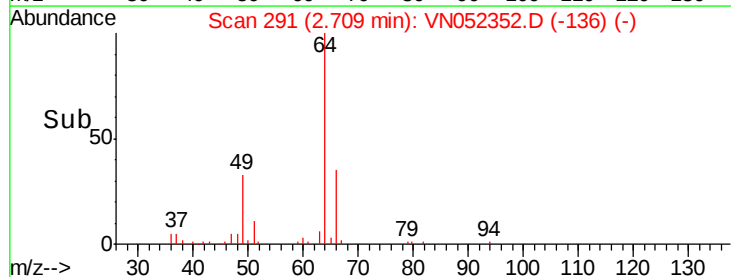
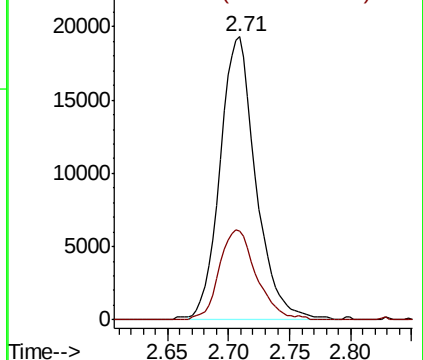
Ion Ratio Lower Upper

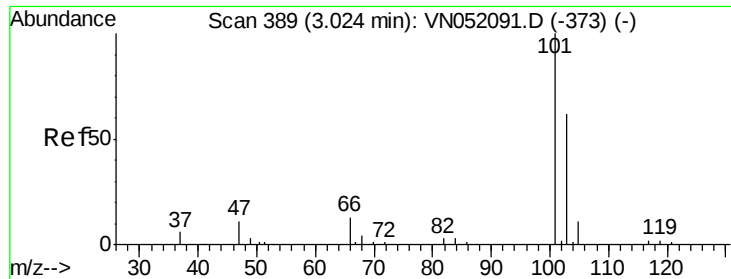
64 100

66 31.4 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VNO
Ion 66.00 (65.70 to 66.70): VNO



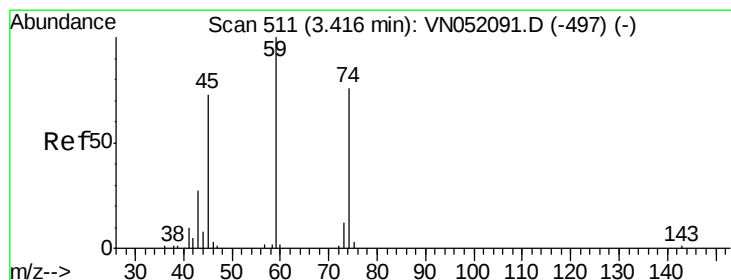
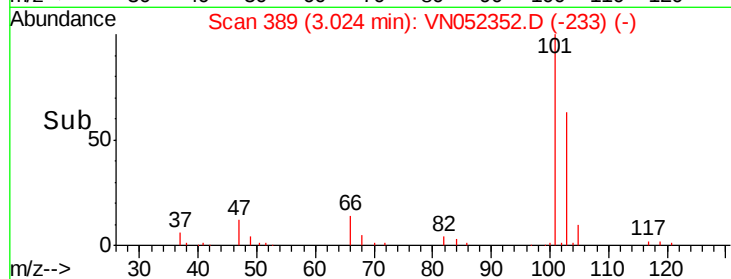
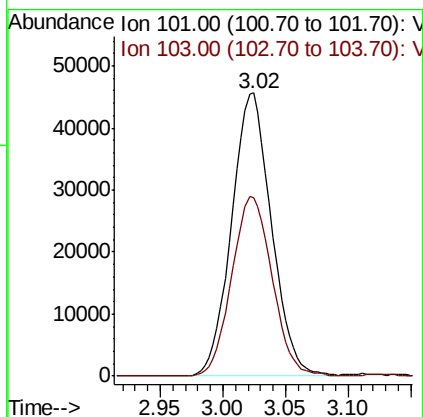
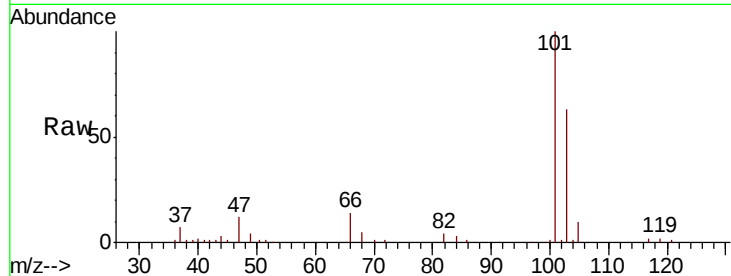


#7

Trichlorofluoromethane
Concen: 21.319 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
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ClientSampled :
VSTDCCC020

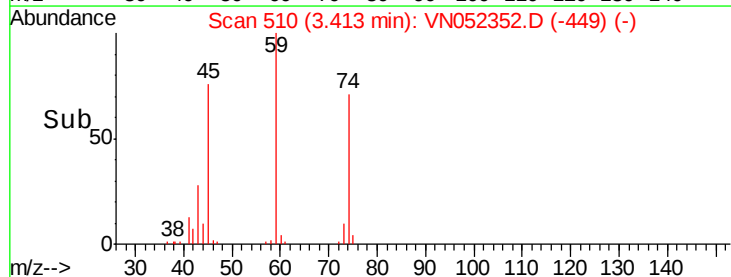
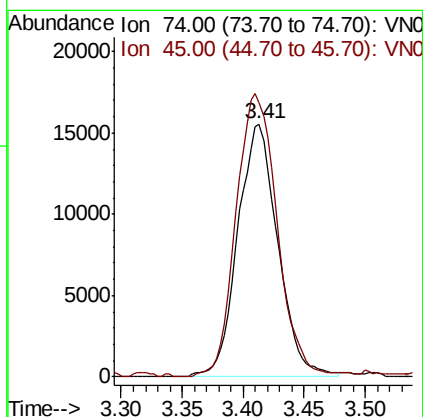
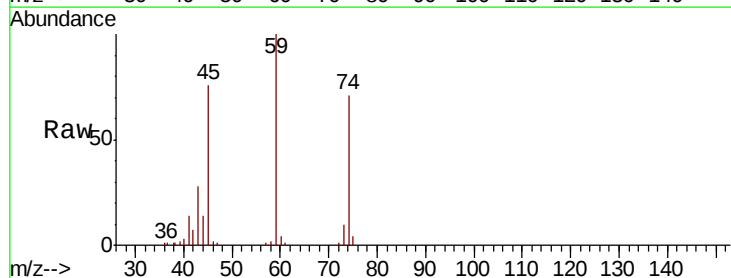
Tot Ion:101 Resp: 101054
Ion Ratio Lower Upper
101 100
103 63.0 49.5 74.3

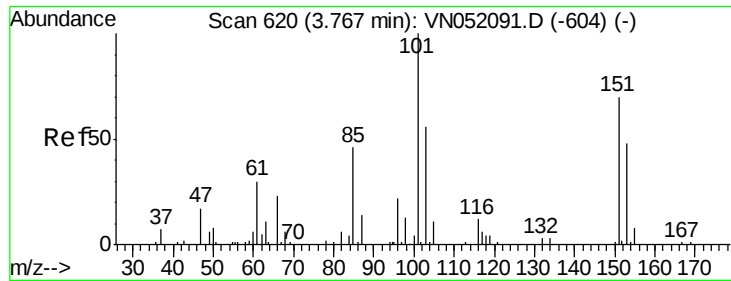


#8

Diethyl Ether
Concen: 22.056 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 74 Resp: 35300
Ion Ratio Lower Upper
74 100
45 115.1 19.4 174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.973 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

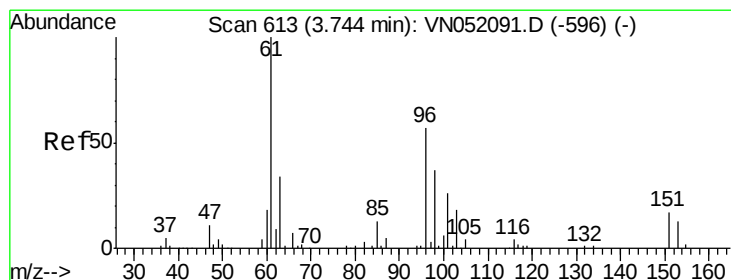
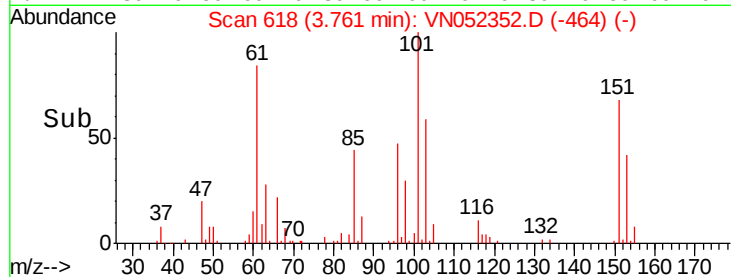
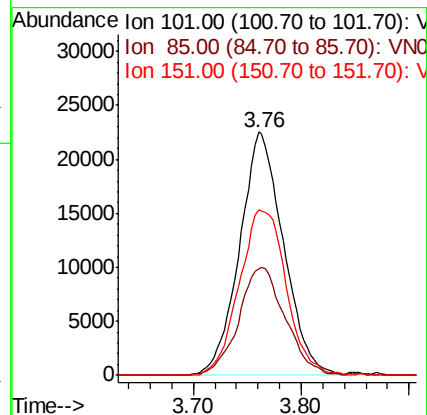
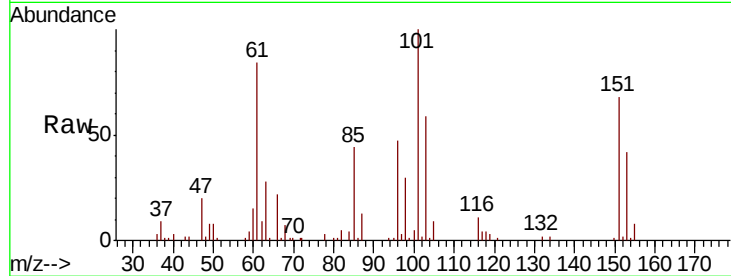
Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	63647
Ion	Ratio	Lower	Upper
101	100		
85	47.0	0.0	98.0
151	72.7	0.0	139.6



#10

1,1-Dichloroethene

Concen: 20.296 ug/l

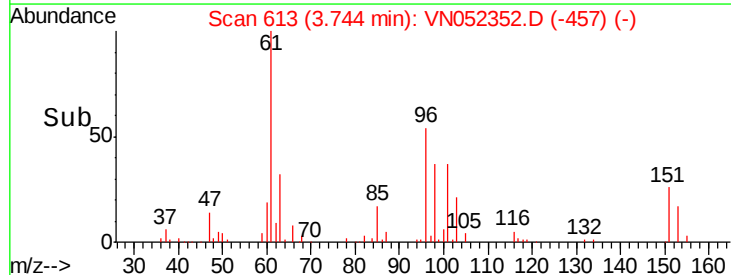
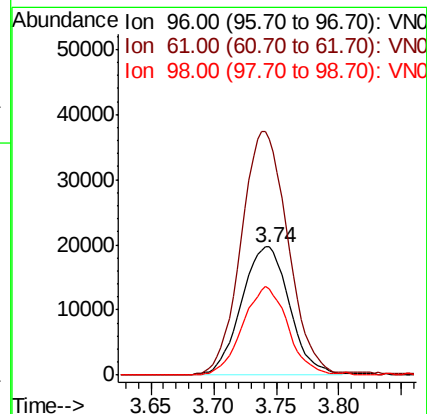
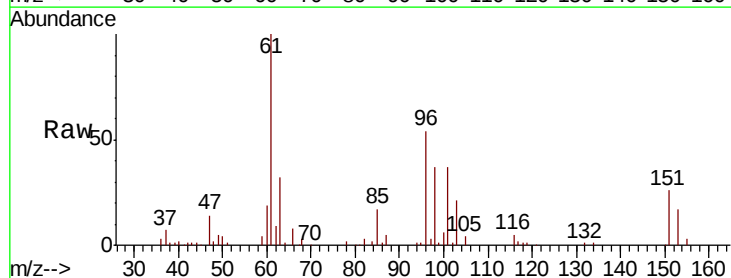
RT: 3.74 min Scan# 613

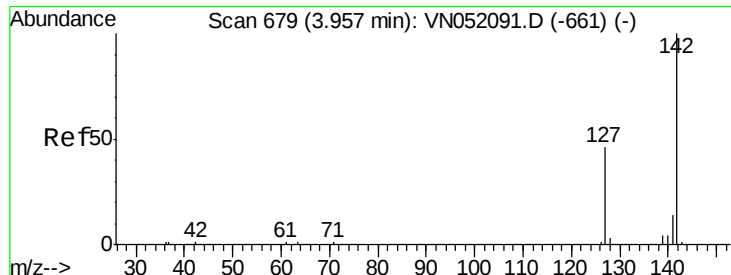
Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Tgt Ion:	96	Resp:	52467
Ion	Ratio	Lower	Upper
96	100		
61	183.9	140.3	210.5
98	67.6	52.0	78.0

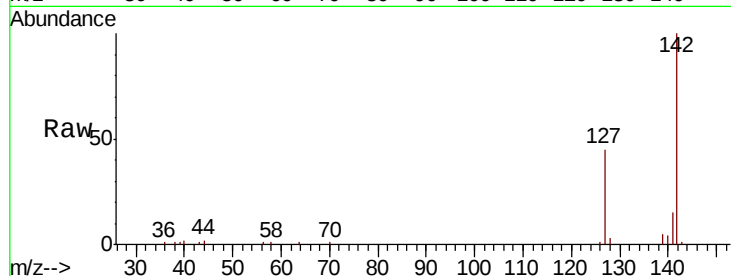




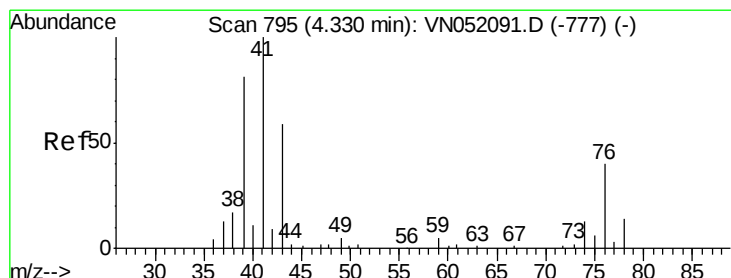
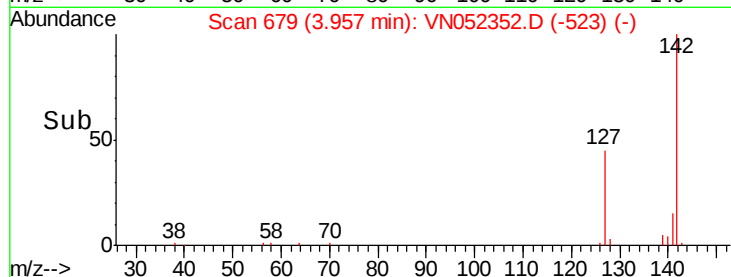
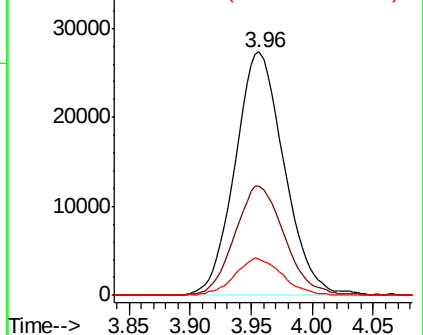
#11
Methyl Iodide
Concen: 20.333 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 75999
Ion Ratio Lower Upper
142 100
127 44.2 23.1 69.2
141 14.8 7.0 20.9

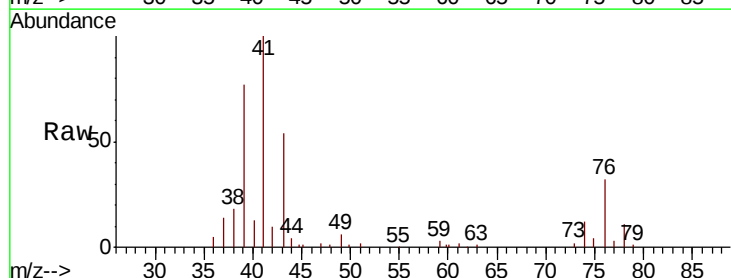


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

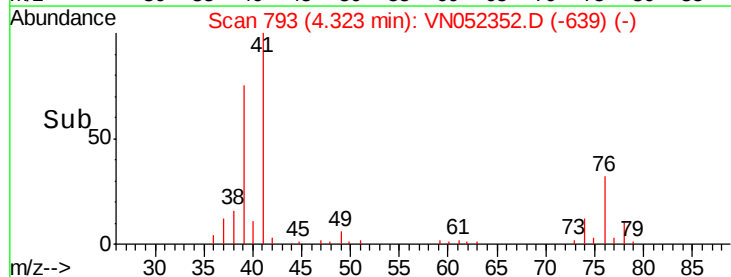
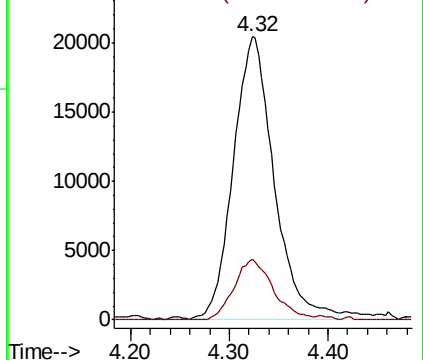


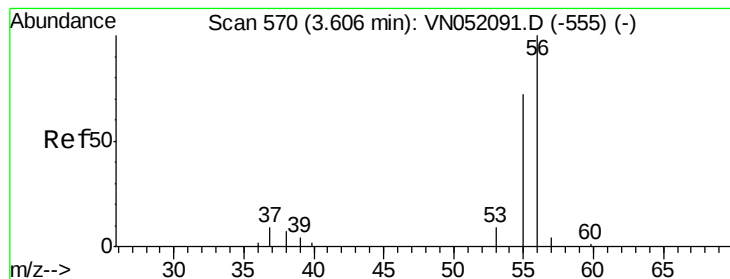
#12
Methyl Acetate
Concen: 26.964 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 43 Resp: 58670
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 118.718 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

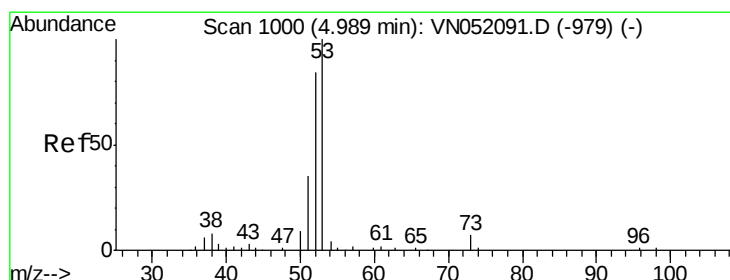
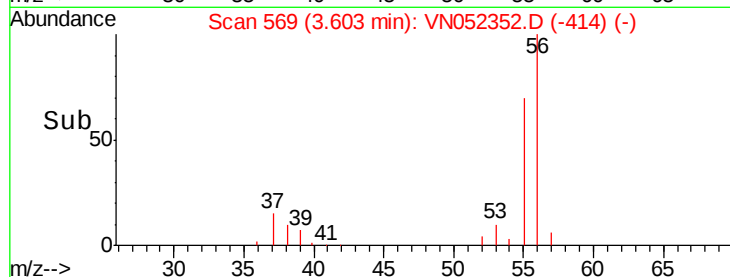
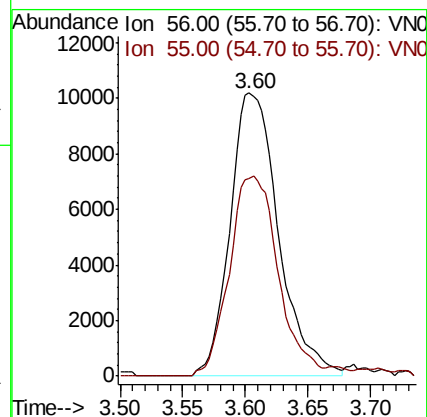
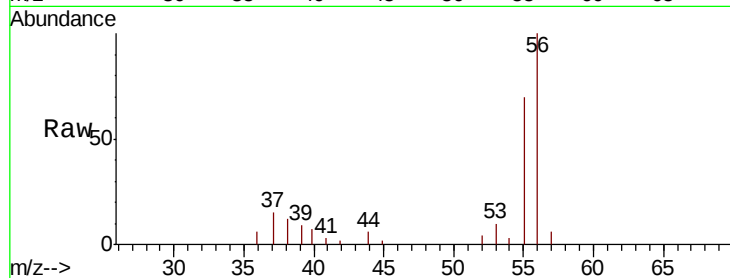
VSTDCCC020

Tot Ion: 56 Resp: 27399

Ion Ratio Lower Upper

56 100

55 71.0 56.2 84.2



#14

Acrylonitrile

Concen: 109.078 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

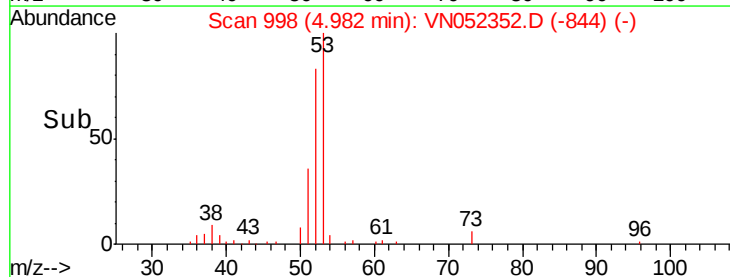
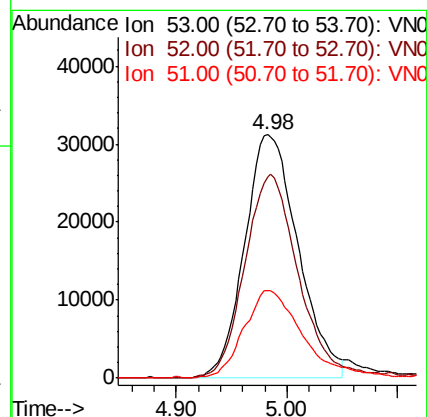
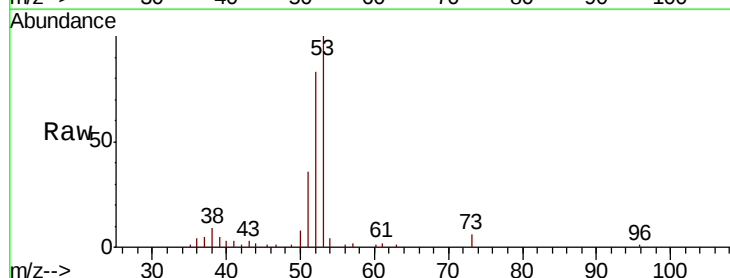
Tgt Ion: 53 Resp: 105253

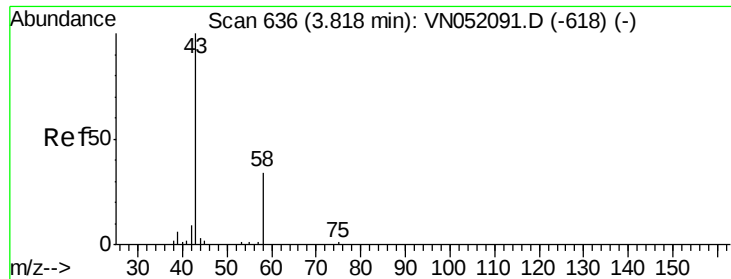
Ion Ratio Lower Upper

53 100

52 84.0 41.3 124.1

51 39.8 18.6 55.6





#15

Acetone

Concen: 139.418 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

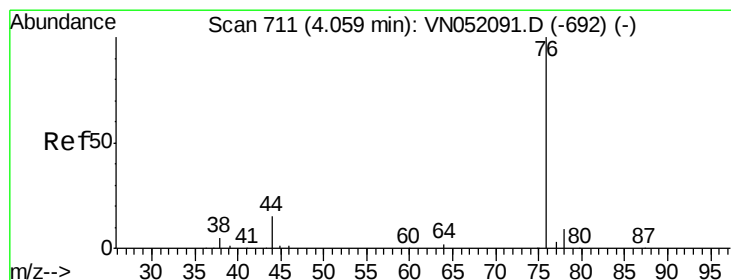
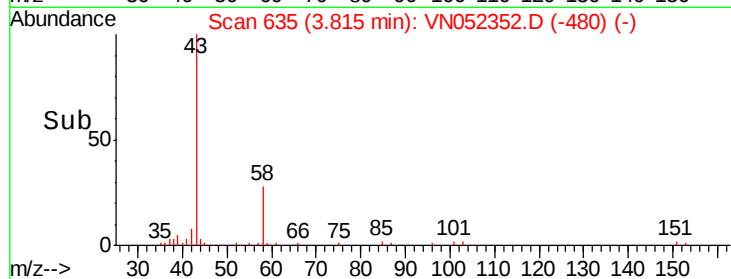
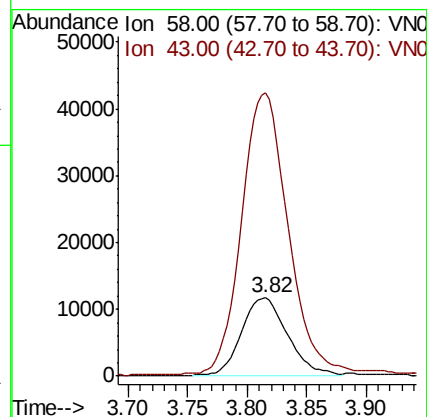
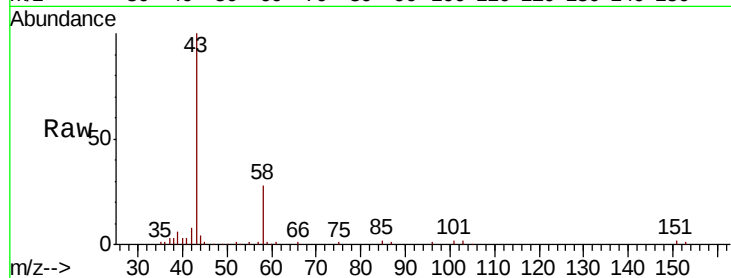
VSTDCCC020

Tot Ion: 58 Resp: 31795

Ion Ratio Lower Upper

58 100

43 358.9 234.7 352.1#



#16

Carbon Disulfide

Concen: 17.673 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052352.D

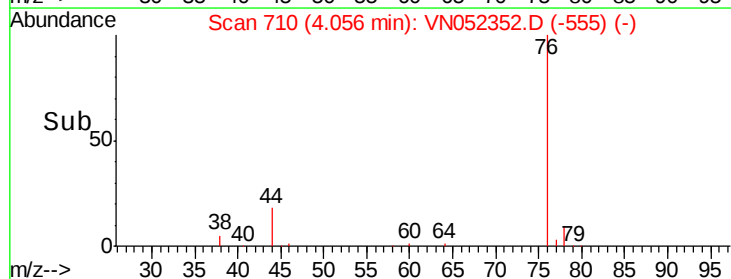
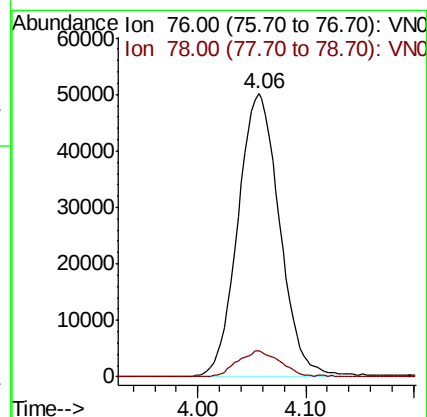
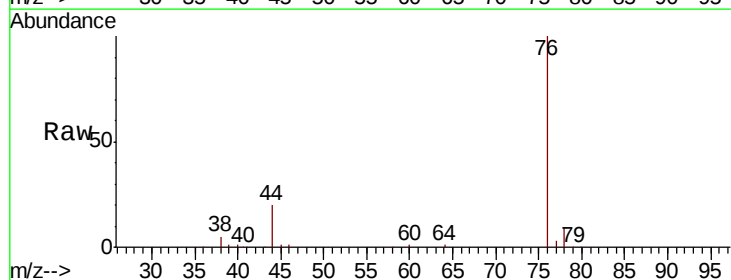
Acq: 16 Nov 2018 8:52

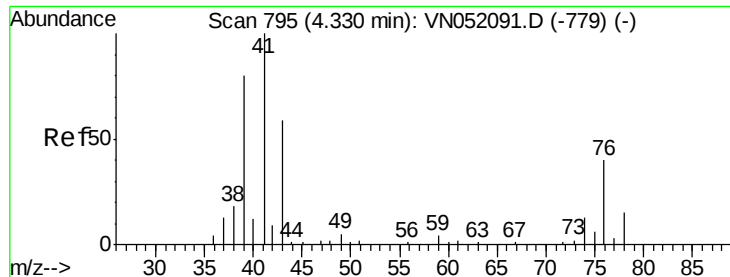
Tgt Ion: 76 Resp: 134896

Ion Ratio Lower Upper

76 100

78 9.2 7.0 10.6





#17

Allvl chloride

Concen: 23.963 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

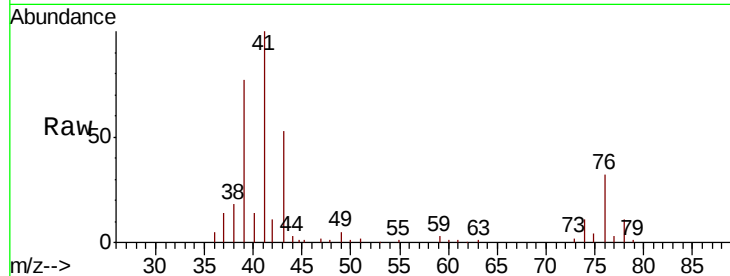
Tot Ion: 41 Resp: 105178

Ion Ratio Lower Upper

41 100

39 77.0 38.4 115.1

76 31.6 18.8 56.3

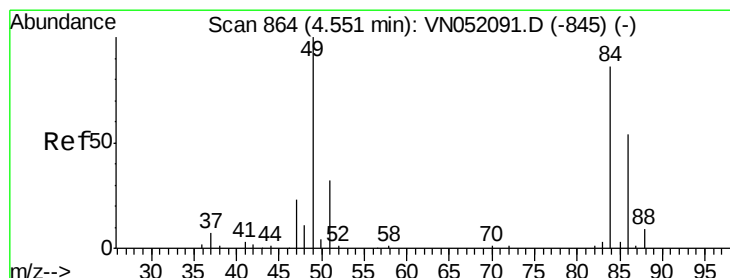
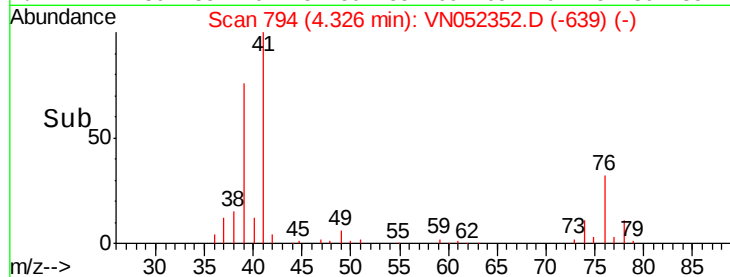
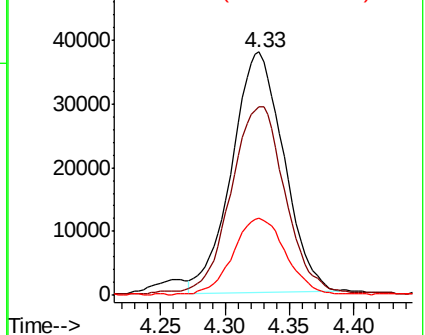


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.847 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Tgt Ion: 84 Resp: 66518

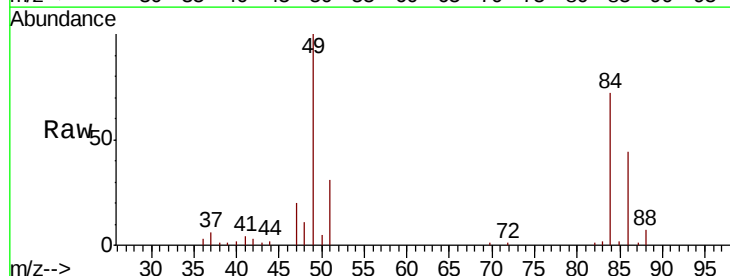
Ion Ratio Lower Upper

84 100

49 137.9 92.6 138.8

51 42.4 29.7 44.5

86 61.1 49.8 74.6



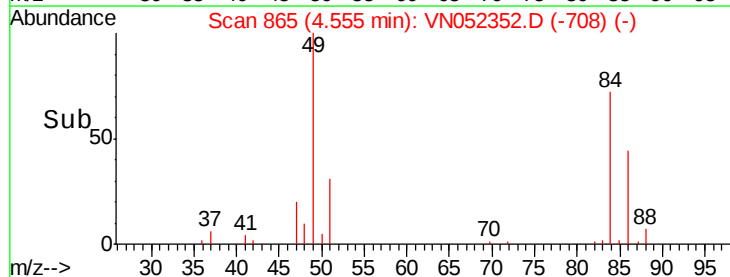
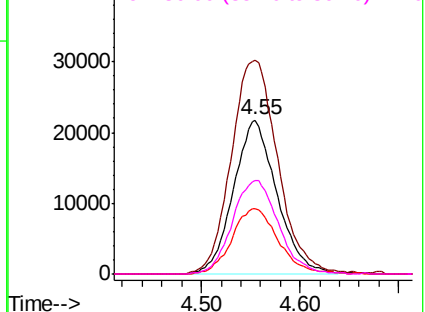
Abundance

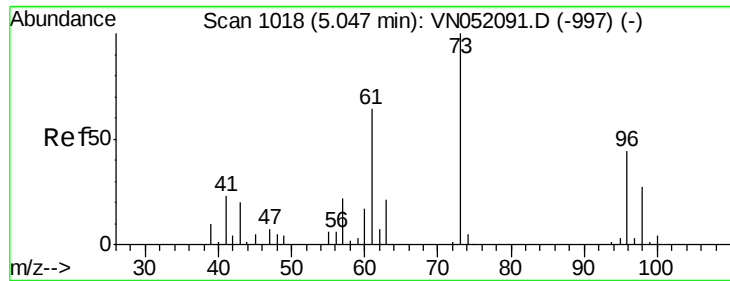
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

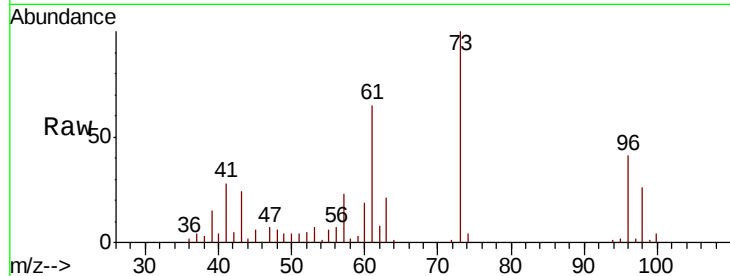




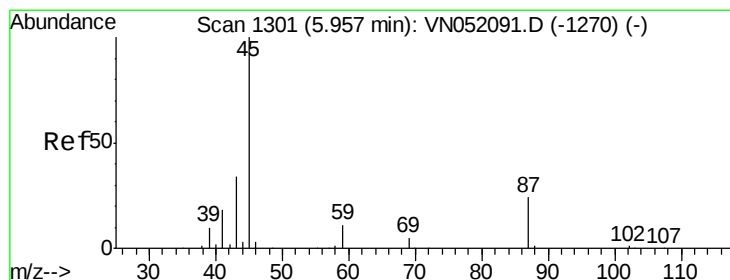
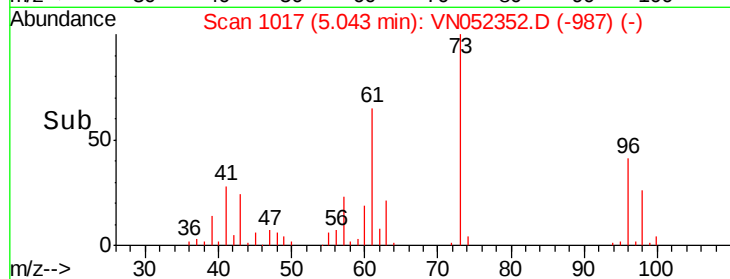
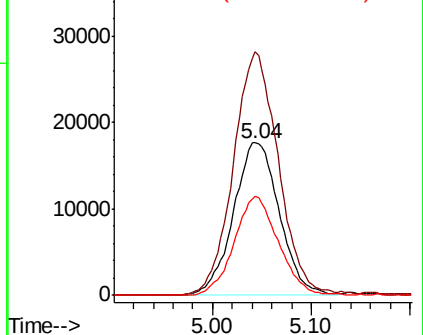
#19
trans-1,2-Dichloroethene
Concen: 20.143 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 57052
Ion Ratio Lower Upper
96 100
61 158.3 117.8 176.6
98 64.7 49.3 73.9

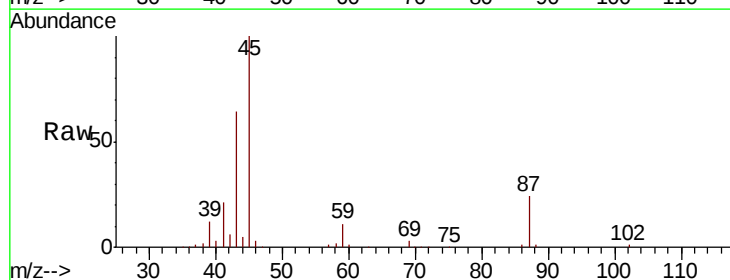


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

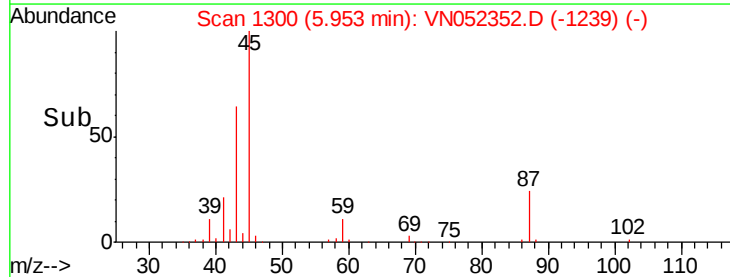
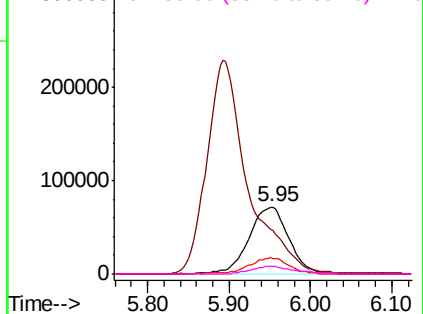


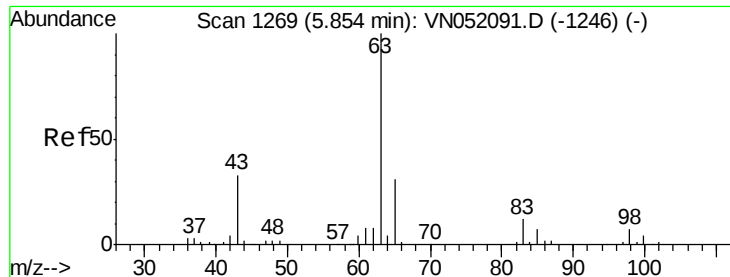
#20
Diisopropyl ether
Concen: 25.227 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 45 Resp: 240614
Ion Ratio Lower Upper
45 100
43 62.1 49.4 74.0
87 23.5 20.3 30.5
59 10.7 8.6 12.8



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

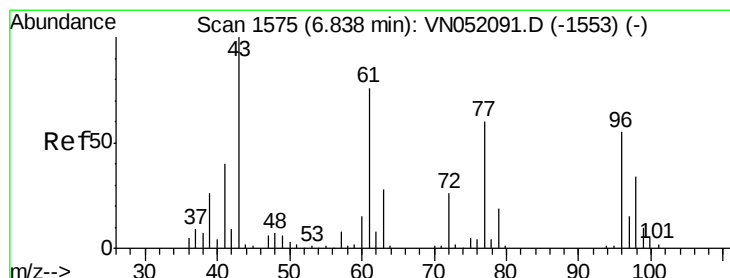
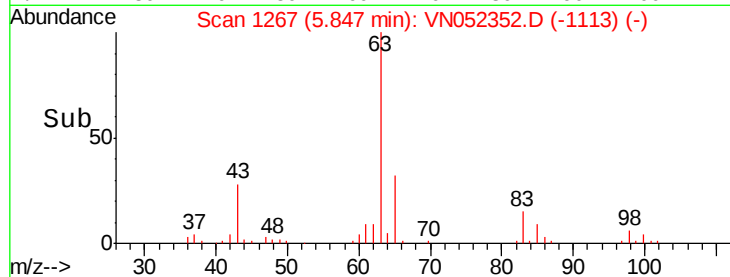
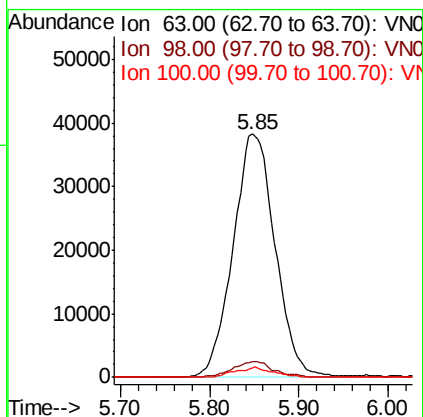
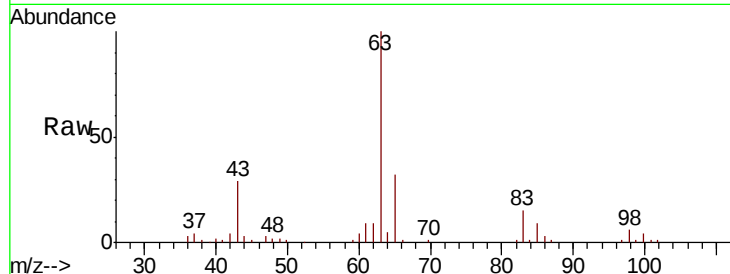




#21
 1,1-Dichloroethane
 Concen: 22.497 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

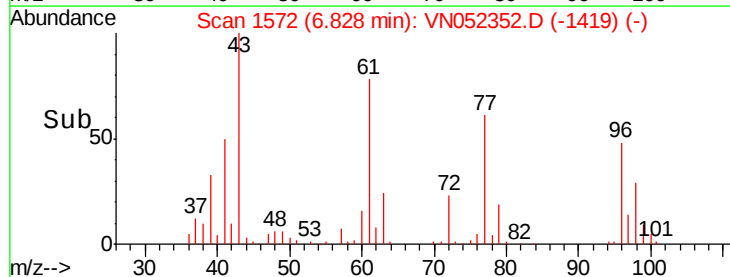
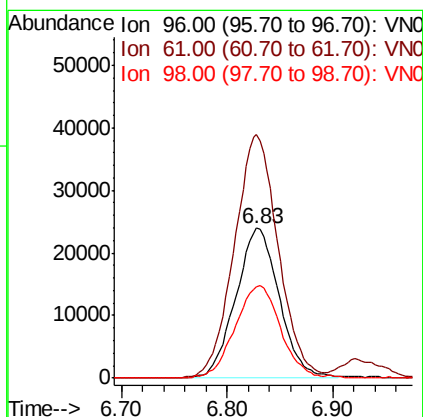
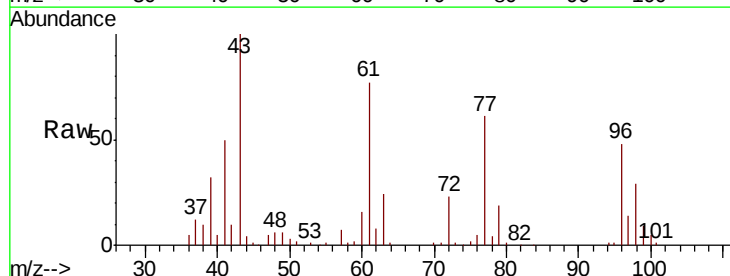
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

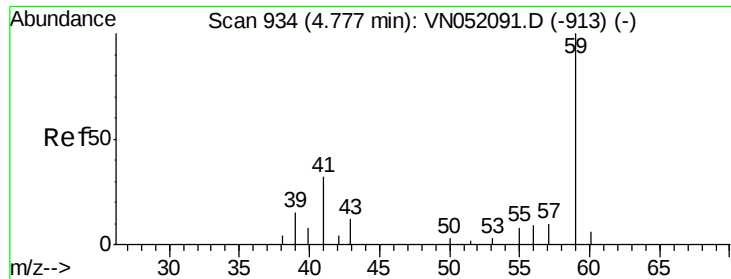
Tot Ion: 63 Resp: 125394
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.1
 100 3.9 2.0 5.8



#22
 cis-1,2-Dichloroethene
 Concen: 20.752 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 96 Resp: 68636
 Ion Ratio Lower Upper
 96 100
 61 164.0 117.6 176.4
 98 63.7 51.0 76.4





#23

tert-Butyl Alcohol

Concen: 0.672 ug/l

RT: 4.87 min Scan# 963

Delta R.T. 0.09 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

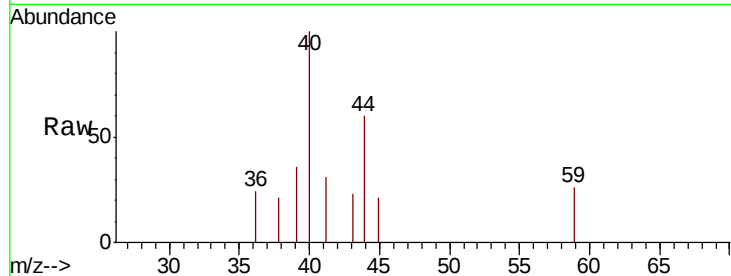
VSTDCCC020

Tot Ion: 59 Resp: 101

Ion Ratio Lower Upper

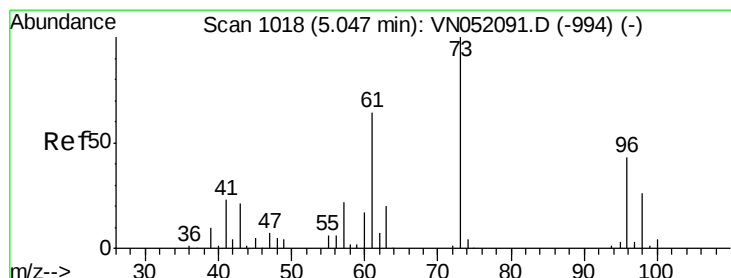
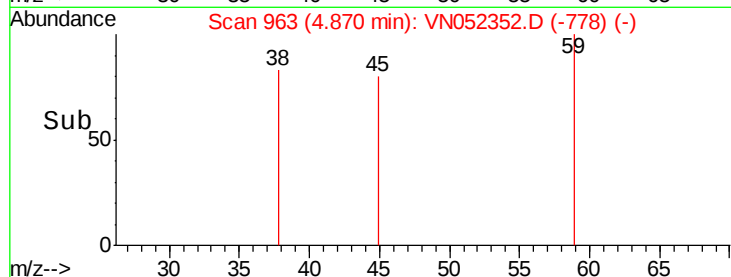
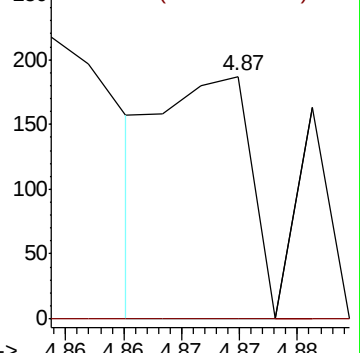
59 100

52 0.0 0.3 0.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 21.962 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052352.D

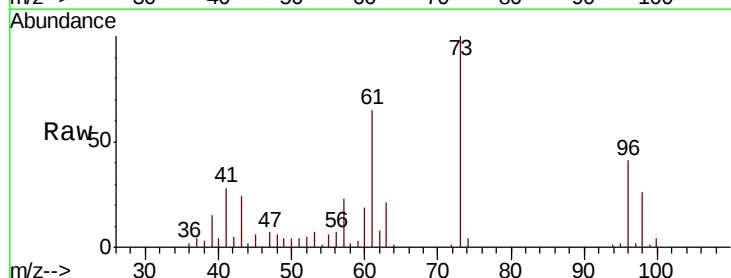
Acq: 16 Nov 2018 8:52

Tgt Ion: 73 Resp: 160955

Ion Ratio Lower Upper

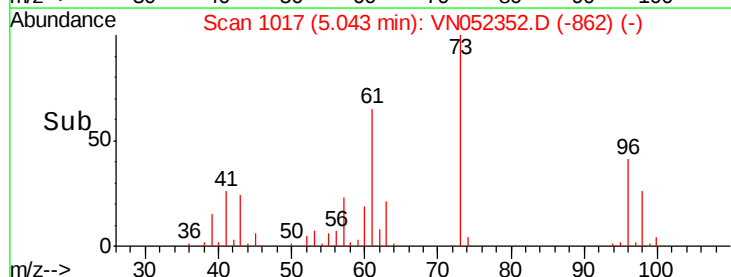
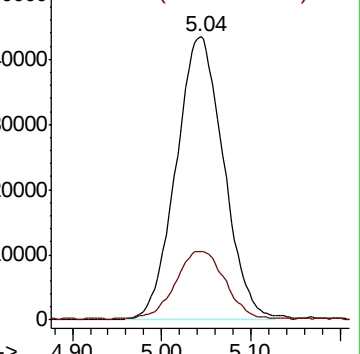
73 100

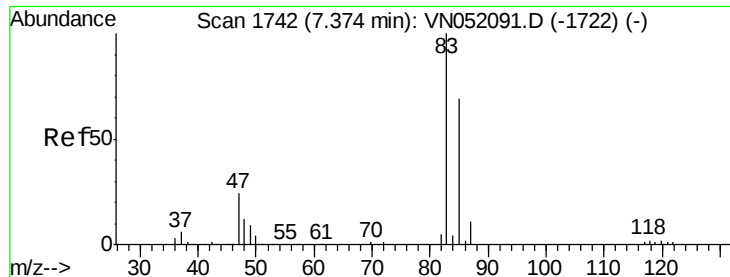
43 25.1 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

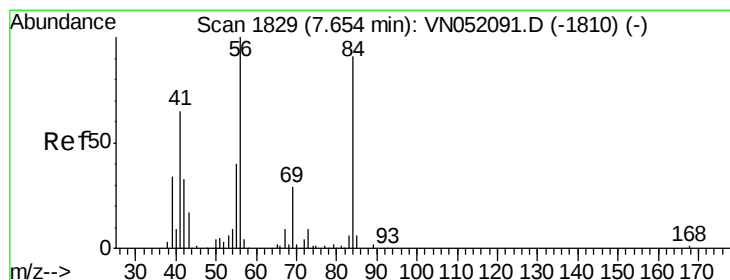
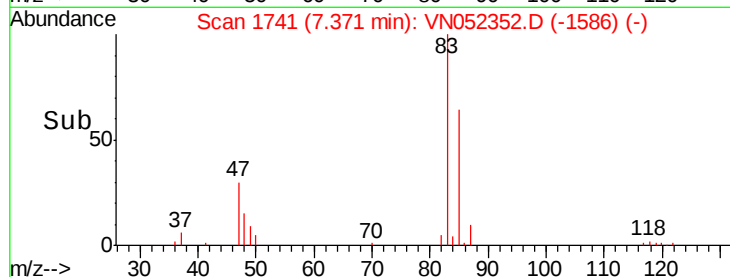
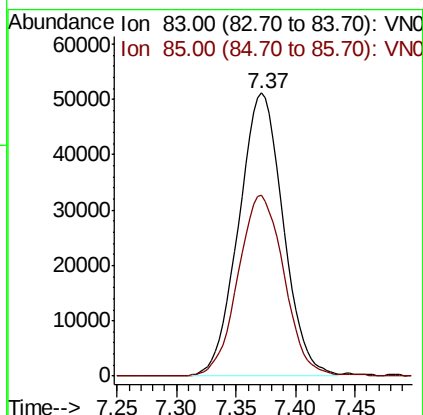
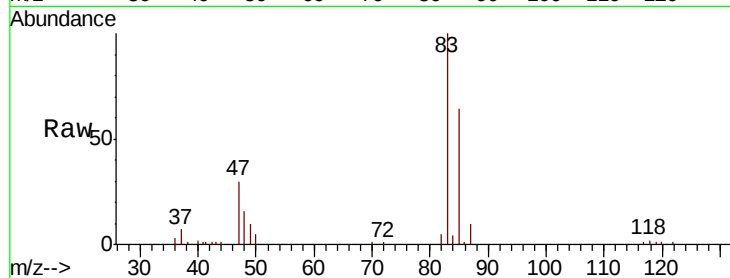




#25
Chloroform
Concen: 23.718 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

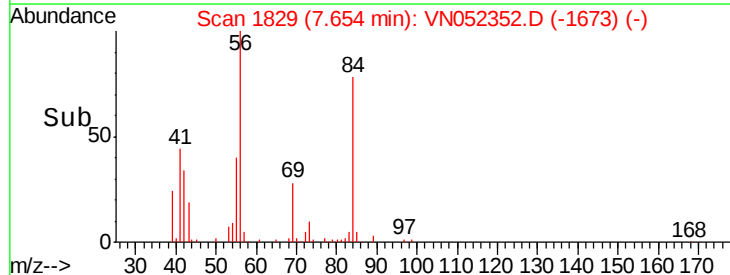
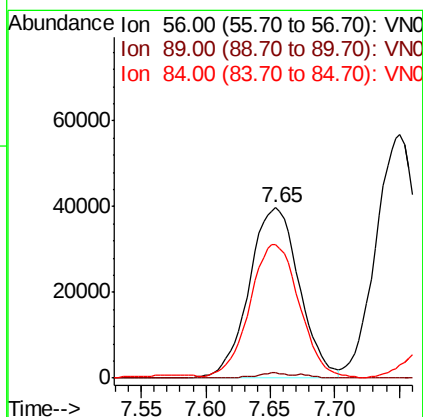
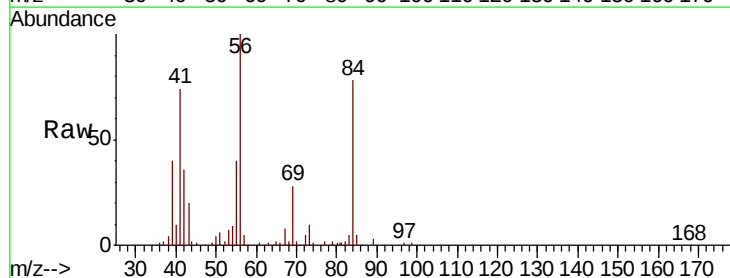
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

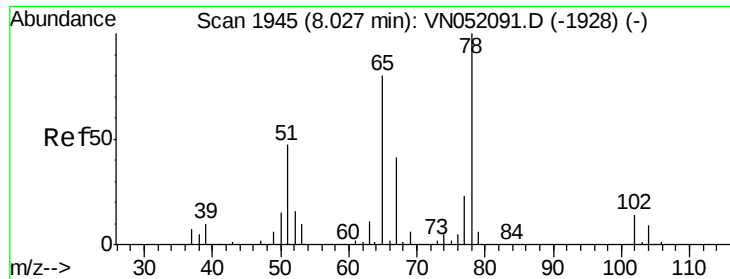
Tot Ion: 83 Resp: 132743
Ion Ratio Lower Upper
83 100
85 63.4 54.9 82.3



#26
Cyclohexane
Concen: 21.559 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 56 Resp: 107723
Ion Ratio Lower Upper
56 100
89 2.0 2.2 3.2#
84 76.7 71.0 106.6





#27

1,2-Dichloroethane-d4

Concen: 21.559 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

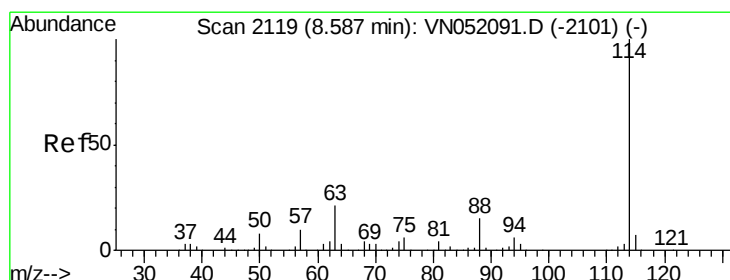
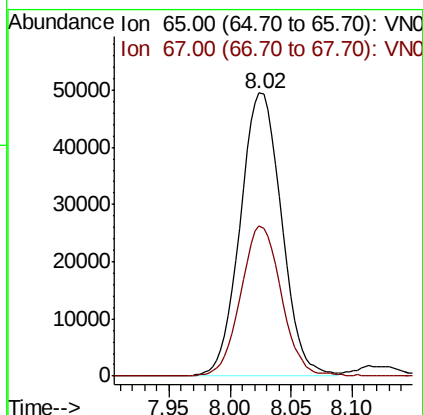
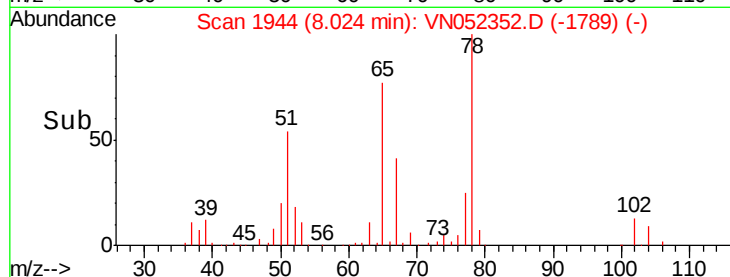
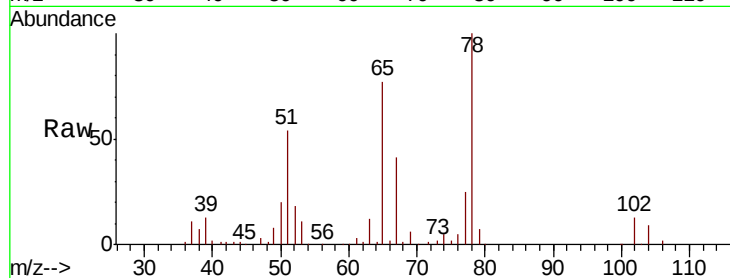
VSTDCCC020

Tot Ion: 65 Resp: 116378

Ion Ratio Lower Upper

65 100

67 51.5 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

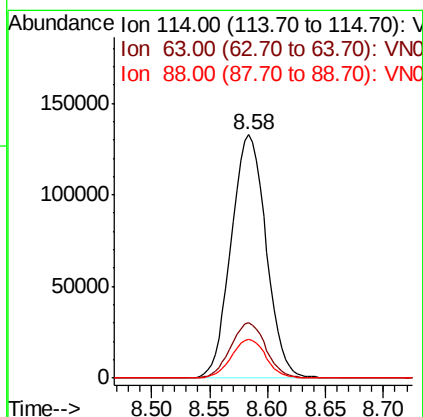
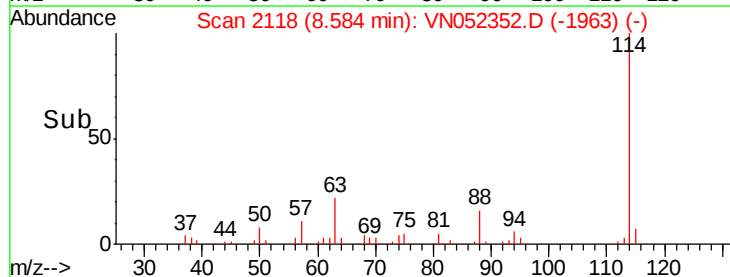
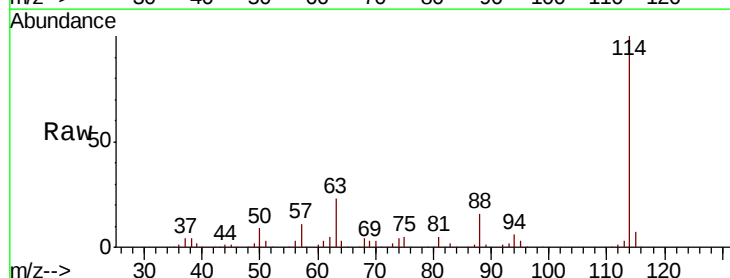
Tgt Ion: 114 Resp: 277976

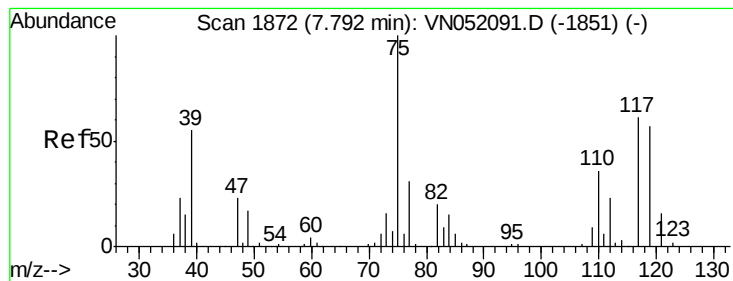
Ion Ratio Lower Upper

114 100

63 22.6 17.5 26.3

88 15.8 12.6 18.8





#29

1,1-Dichloropropene

Concen: 20.400 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

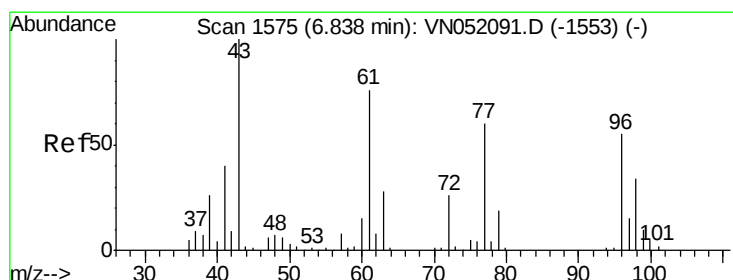
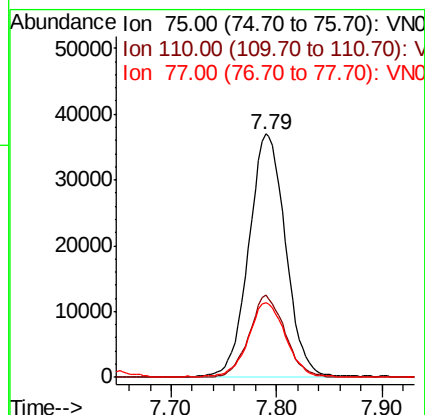
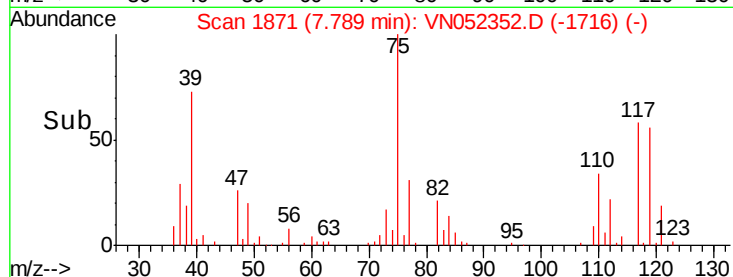
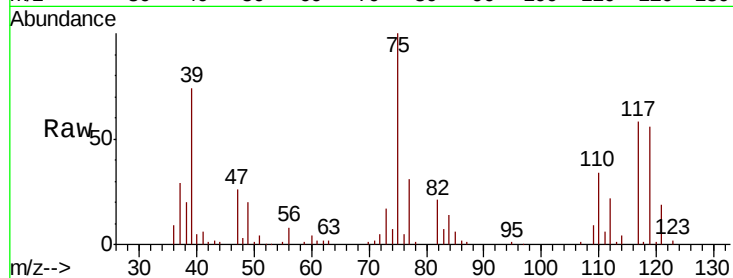
Tot Ion: 75 Resp: 90032

Ion Ratio Lower Upper

75 100

110 32.6 0.0 67.6

77 31.0 0.0 60.2



#30

2-Butanone

Concen: 126.923 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

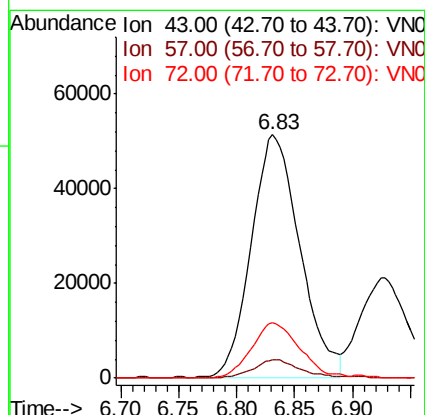
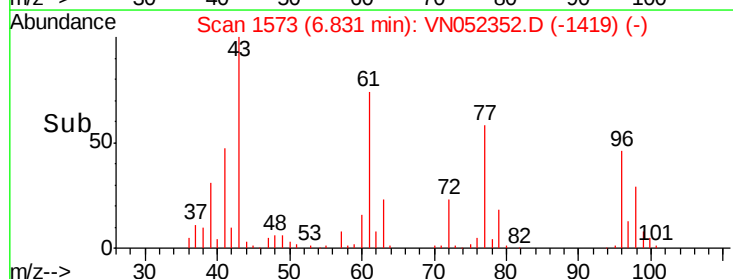
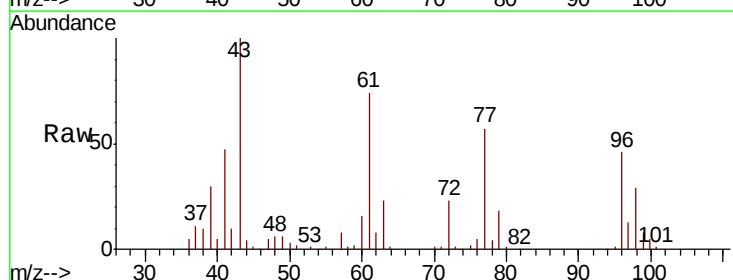
Tgt Ion: 43 Resp: 149171

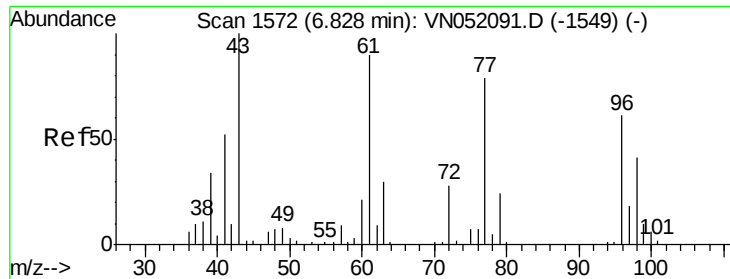
Ion Ratio Lower Upper

43 100

57 7.3 6.6 9.8

72 22.7 9.2 13.8#





#31

2,2-Dichloropropane

Concen: 21.234 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

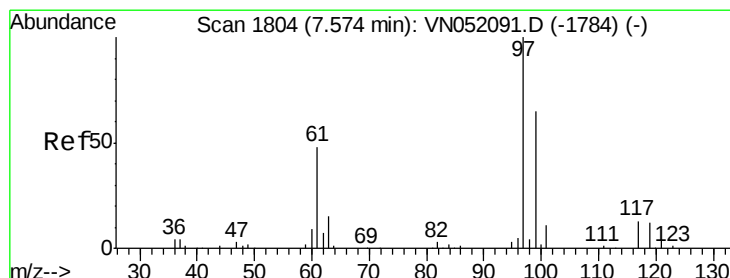
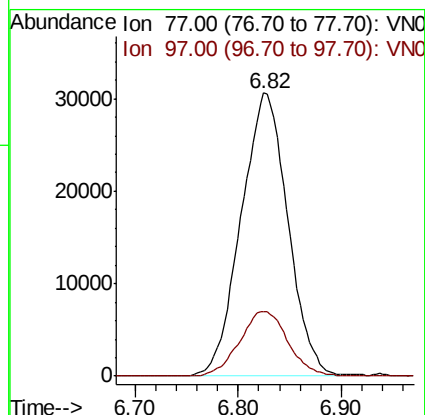
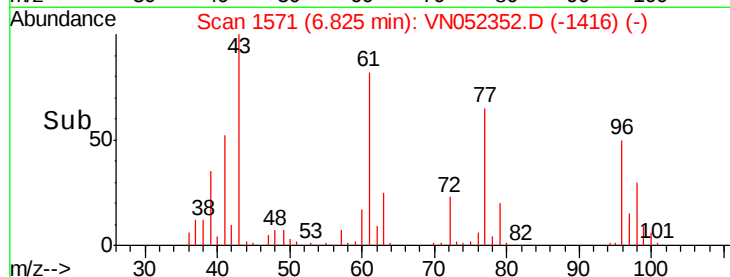
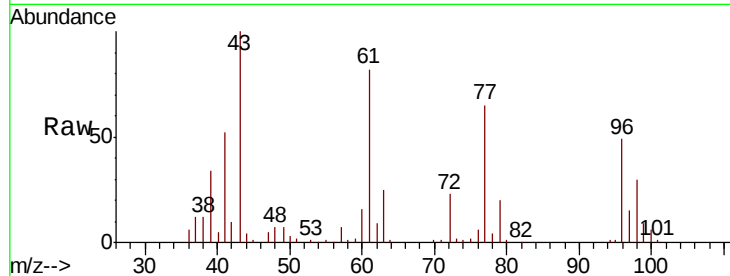
VSTDCCC020

Tot Ion: 77 Resp: 96535

Ion Ratio Lower Upper

77 100

97 23.5 18.2 27.2



#32

1,1,1-Trichloroethane

Concen: 21.262 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

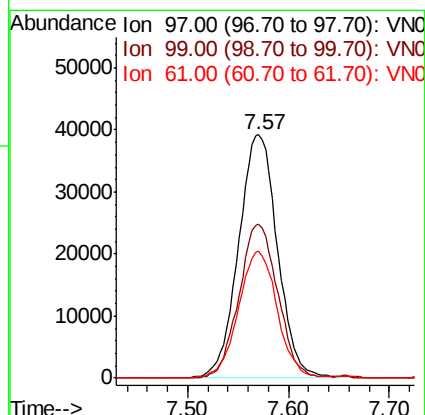
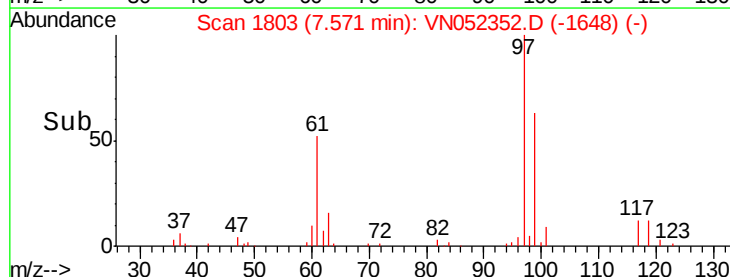
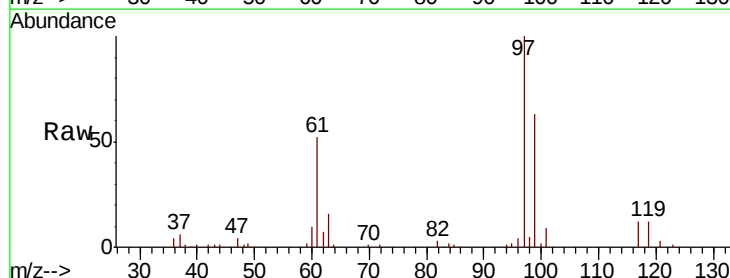
Tgt Ion: 97 Resp: 104990

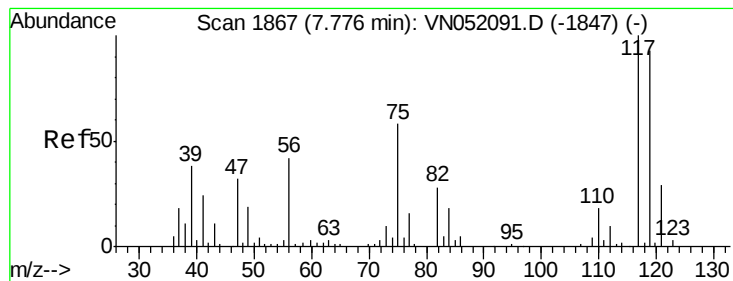
Ion Ratio Lower Upper

97 100

99 62.9 51.7 77.5

61 52.1 38.7 58.1





#33

Carbon Tetrachloride

Concen: 20.229 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

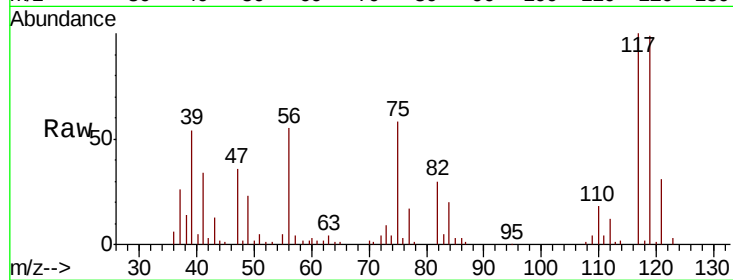
Tot Ion:117 Resp: 88835

Ion Ratio Lower Upper

117 100

119 98.0 74.7 112.1

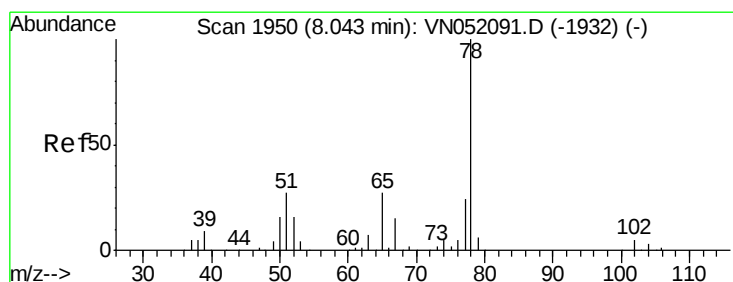
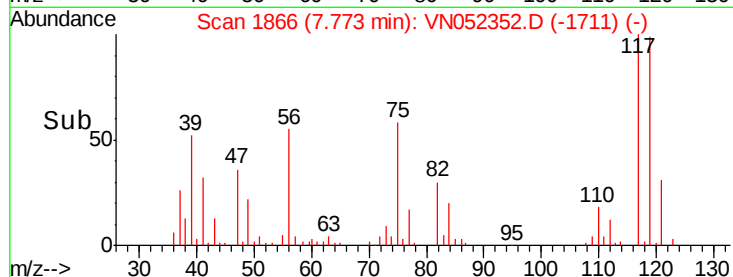
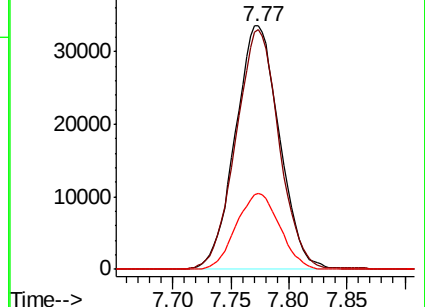
121 31.4 23.4 35.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.484 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

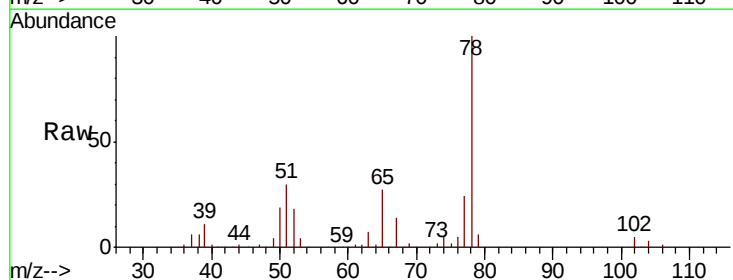
Tgt Ion: 78 Resp: 264698

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

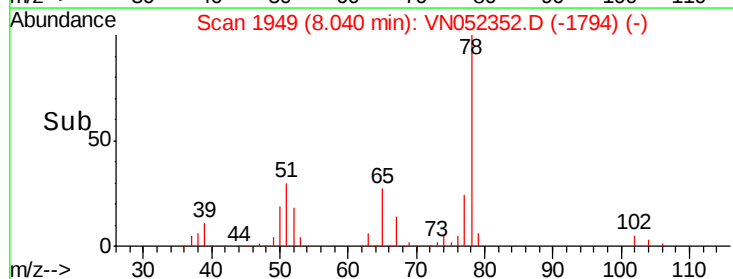
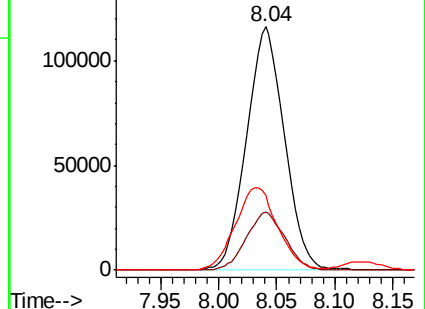
51 30.4 21.2 31.8

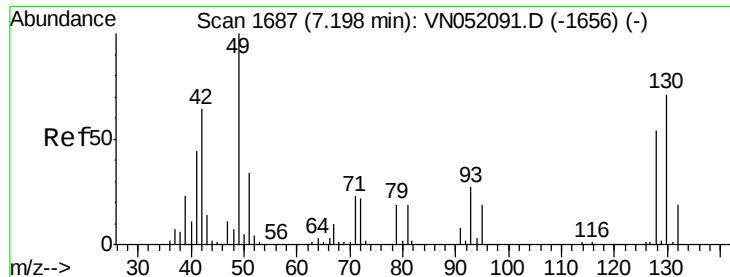


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

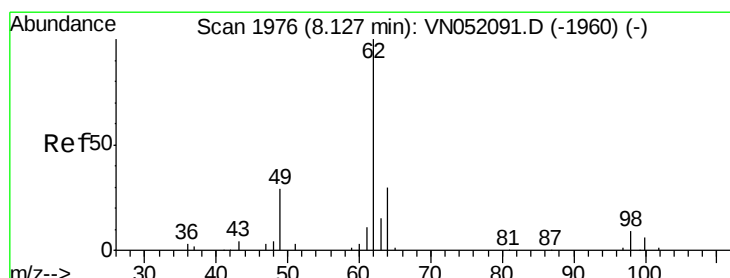
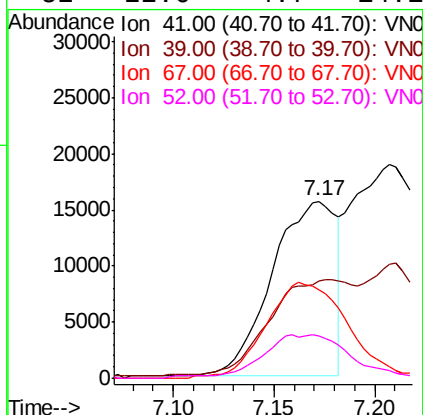
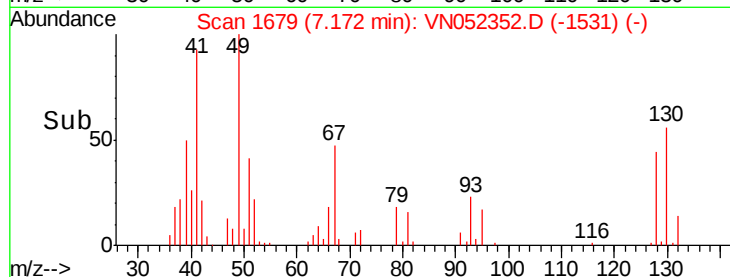
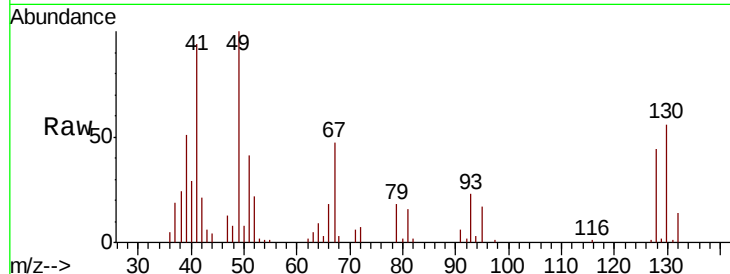




#35
Methacrylonitrile
Concen: 21.388 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

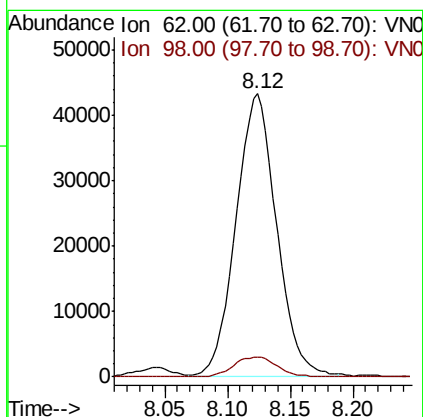
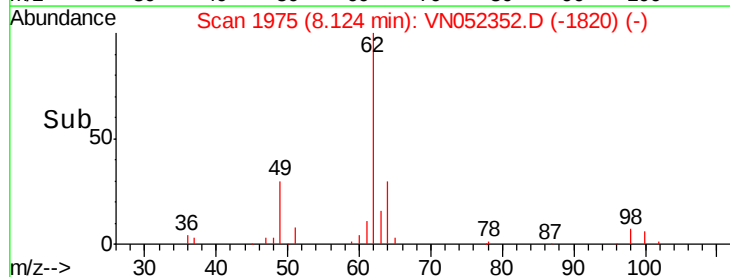
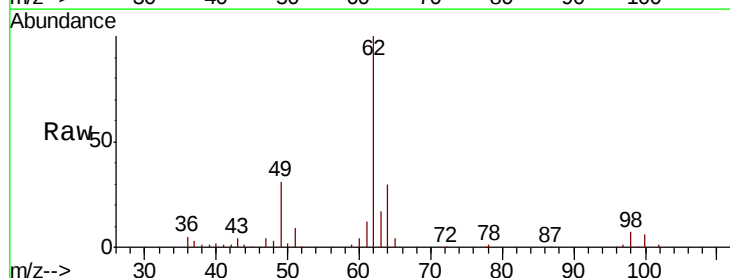
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

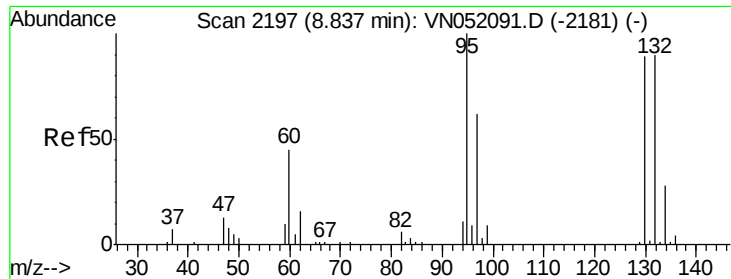
Tot Ion: 41 Resp: 34478
Ion Ratio Lower Upper
41 100
39 53.2 26.1 78.3
67 50.7 11.0 33.0#
52 22.6 4.7 14.1#



#36
1,2-Dichloroethane
Concen: 22.666 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 62 Resp: 97930
Ion Ratio Lower Upper
62 100
98 7.5 6.7 10.1

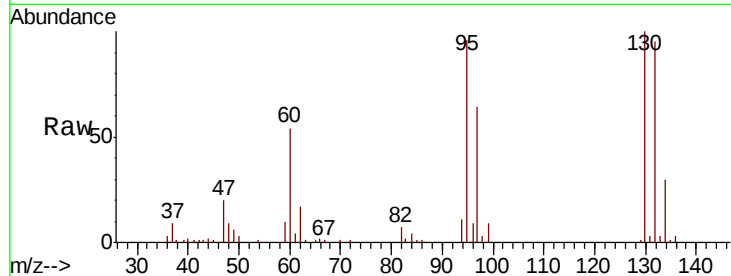




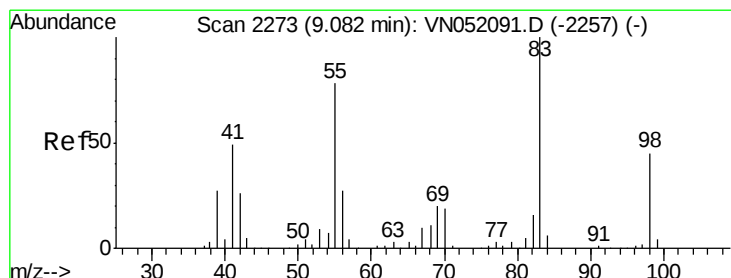
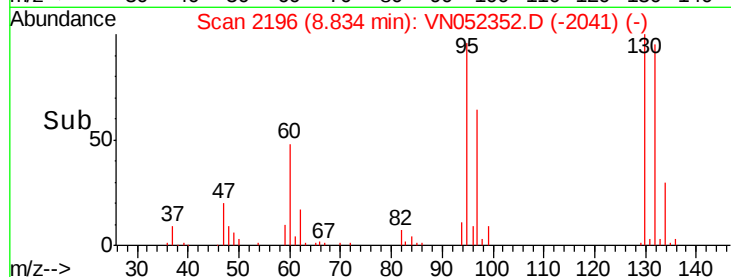
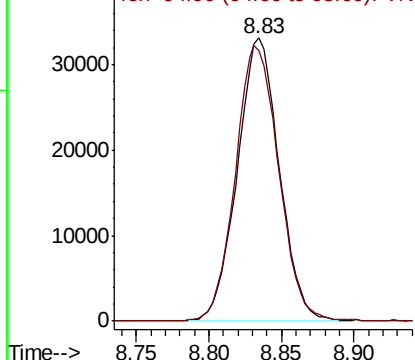
#37
 Trichloroethene
 Concen: 20.588 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 66587
 Ion Ratio Lower Upper
 130 100
 95 95.0 89.9 134.9

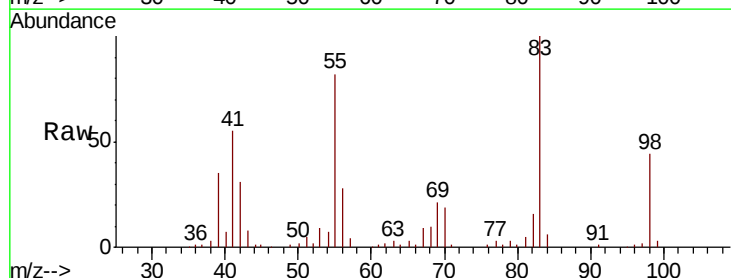


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

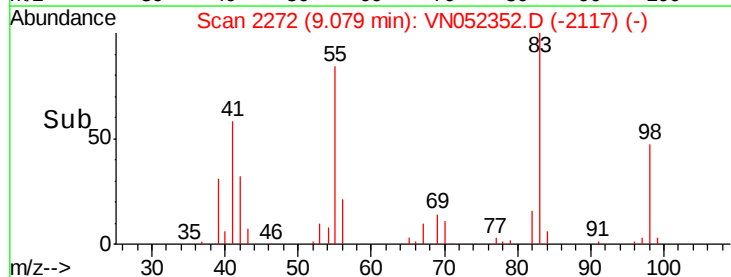
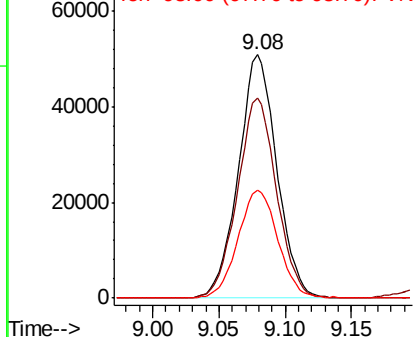


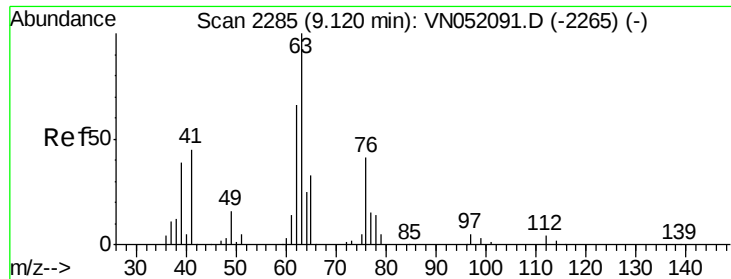
#38
 Methylcyclohexane
 Concen: 19.004 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 83 Resp: 102312
 Ion Ratio Lower Upper
 83 100
 55 83.7 38.5 115.3
 98 46.0 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN

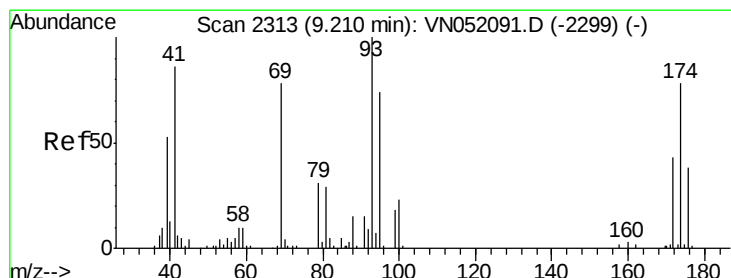
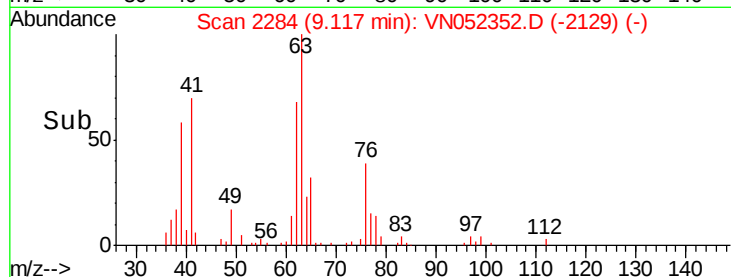
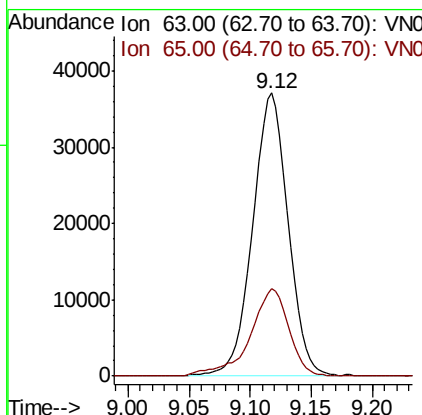
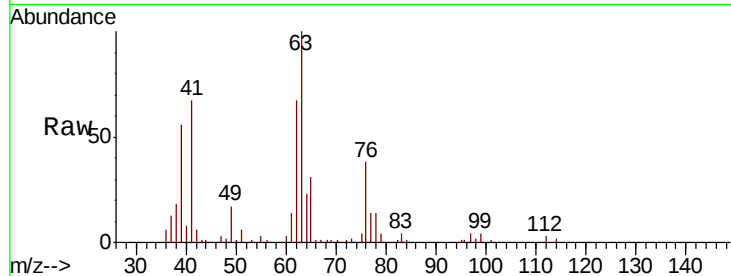




#39
 1,2-Dichloropropane
 Concen: 21.704 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

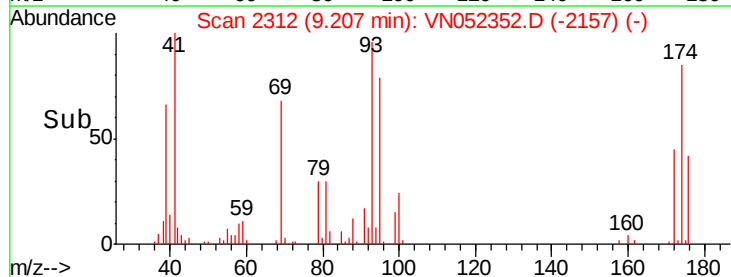
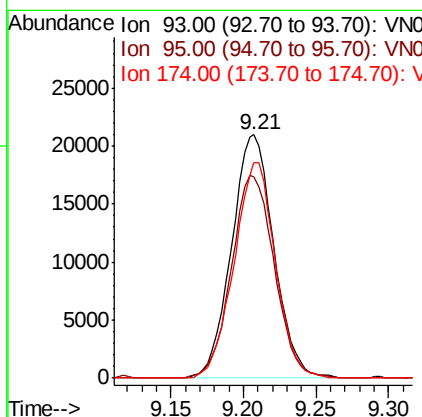
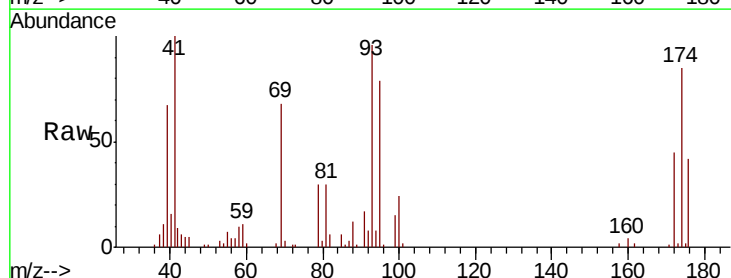
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

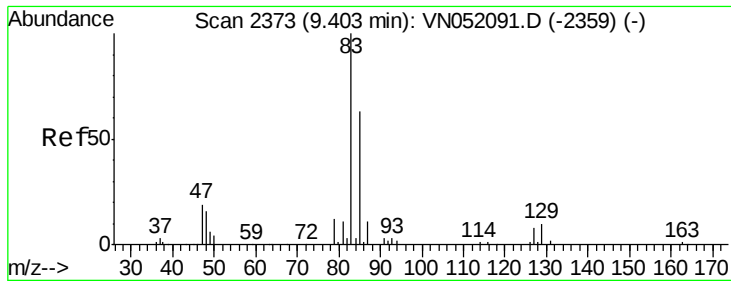
Tot Ion: 63 Resp: 74659
 Ion Ratio Lower Upper
 63 100
 65 30.8 27.3 40.9



#40
 Dibromomethane
 Concen: 19.980 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 93 Resp: 42363
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 161.2
 174 86.6 0.0 165.0





#41

Bromodichloromethane

Concen: 21.481 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

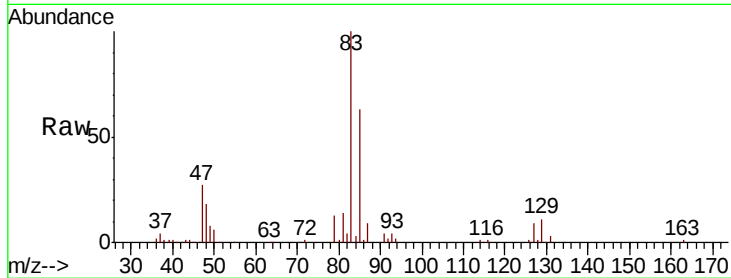
Tot Ion: 83 Resp: 93187

Ion Ratio Lower Upper

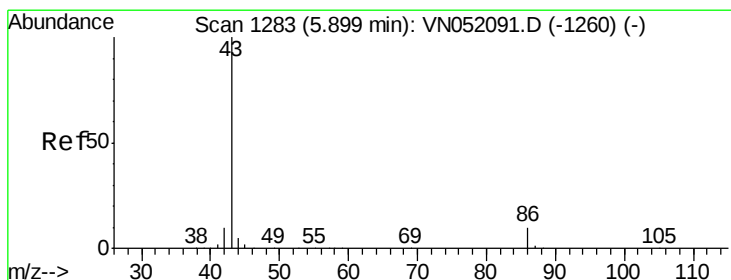
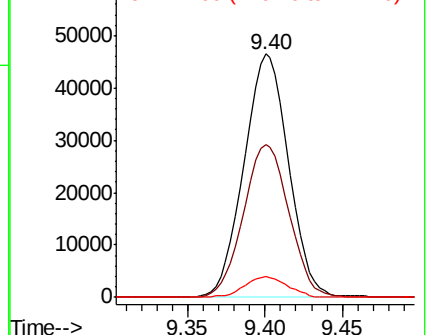
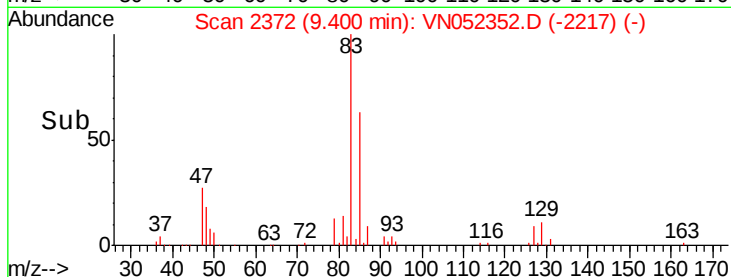
83 100

85 62.7 50.2 75.2

127 8.6 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VN052352.D (-2217) (-)



#42

Vinyl Acetate

Concen: 116.686 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN052352.D

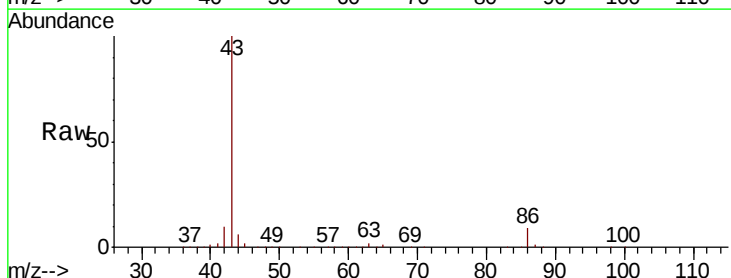
Acq: 16 Nov 2018 8:52

Tgt Ion: 43 Resp: 802849

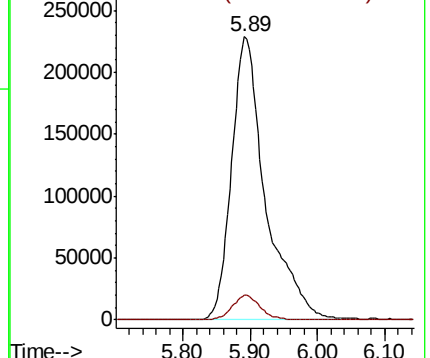
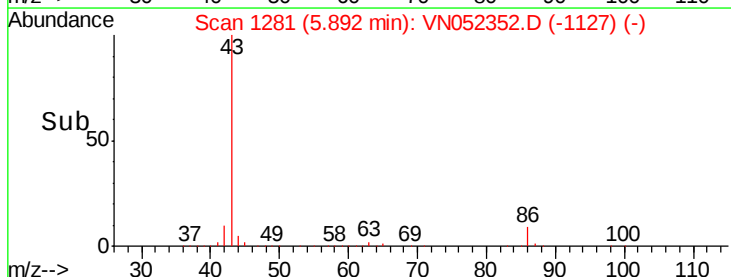
Ion Ratio Lower Upper

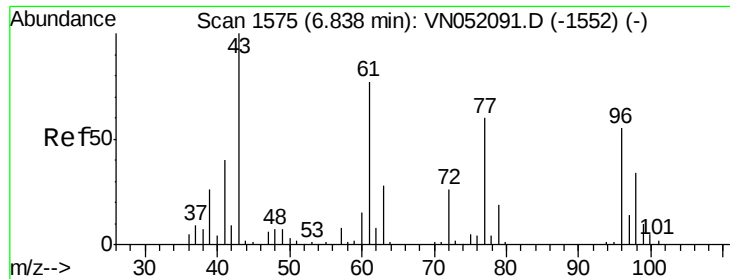
43 100

86 7.2 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN052352.D (-1127) (-)





#43

Ethyl Acetate

Concen: 25.256 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

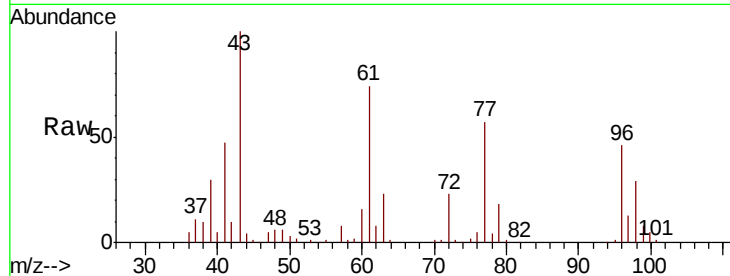
VSTDCCC020

Tot Ion: 43 Resp: 149171

Ion Ratio Lower Upper

43 100

45 0.3 3.8 5.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1552) (-)

Ion 45.00 (44.70 to 45.70): VN052091.D (-1552) (-)

6.83

50000

40000

30000

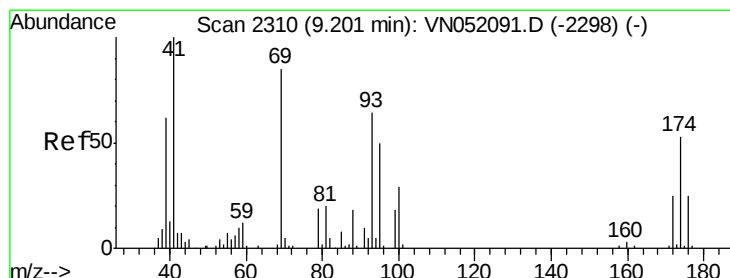
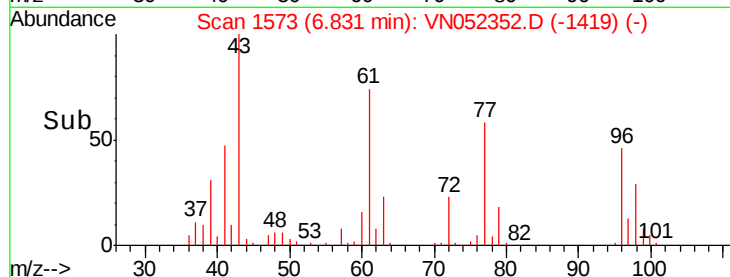
20000

10000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#45

1,4-Dioxane

Concen: 321.264 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.01 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

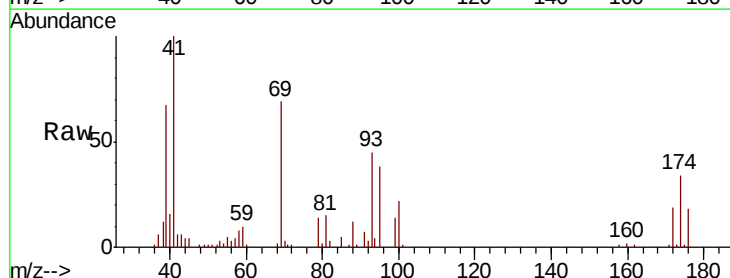
Tgt Ion: 88 Resp: 7167

Ion Ratio Lower Upper

88 100

43 41.4 28.6 43.0

58 35.0 37.8 56.8#



Abundance Ion 88.00 (87.70 to 88.70): VN052091.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN052091.D (-2298) (-)

9.19

50000

40000

30000

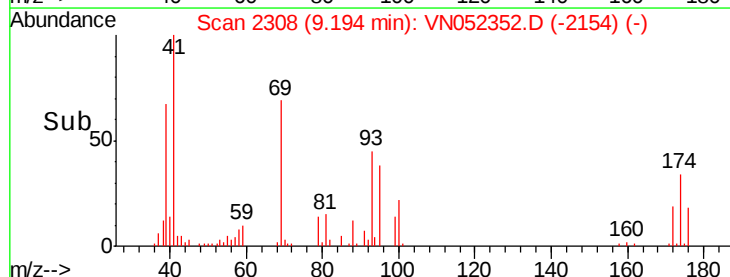
20000

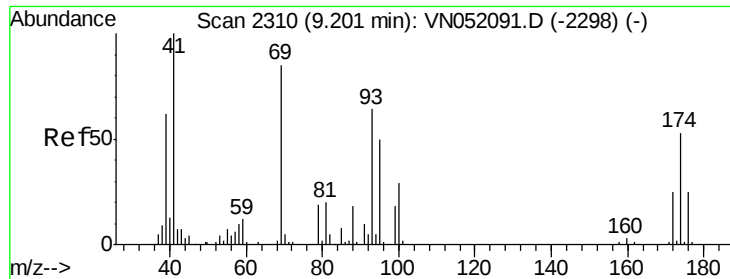
10000

0

9.15 9.20 9.25

Time-->

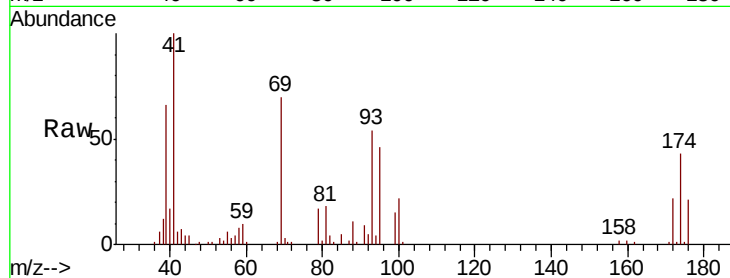




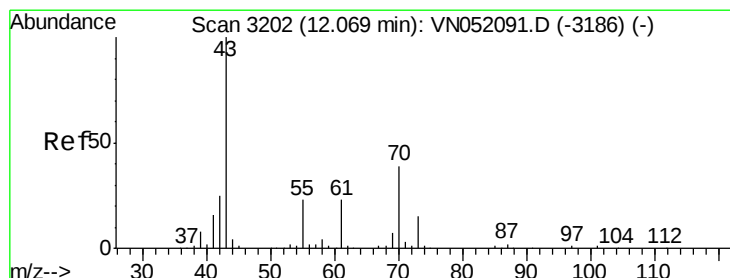
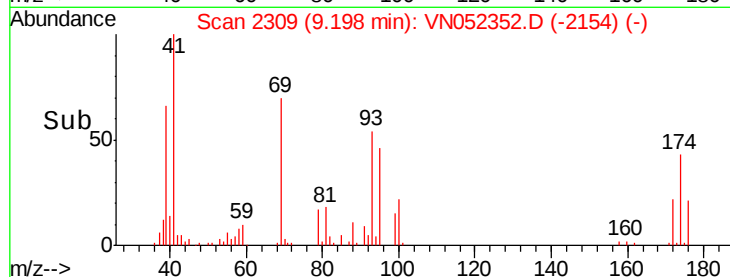
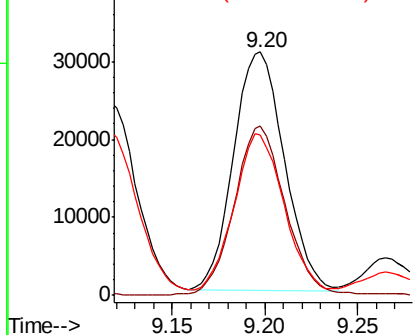
#46
Methvl methacrylate
Concen: 24.016 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 41 Resp: 58461
Ion Ratio Lower Upper
41 100
69 70.7 42.5 127.6
39 65.1 31.1 93.3

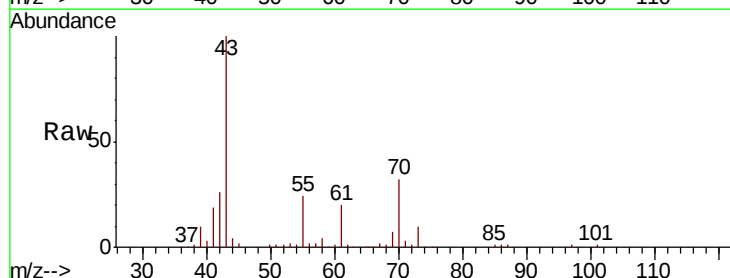


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

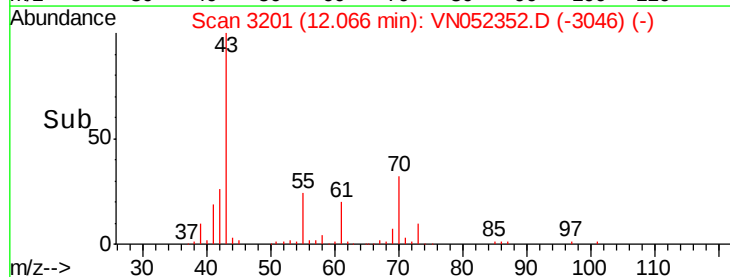
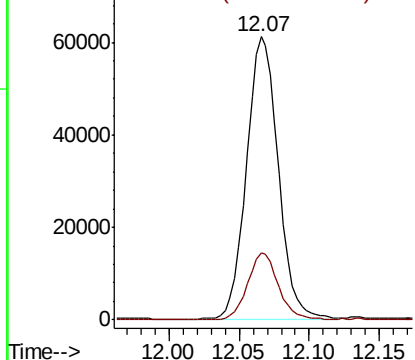


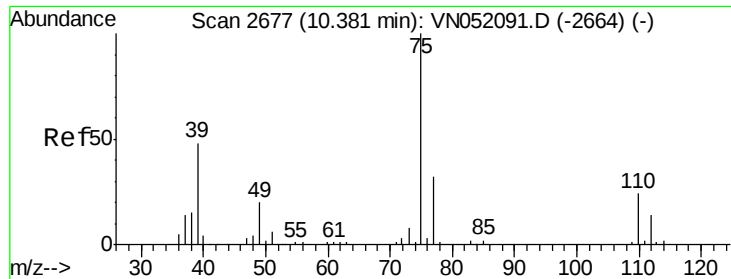
#47
n-amyI Acetate
Concen: 21.929 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 43 Resp: 97204
Ion Ratio Lower Upper
43 100
55 22.7 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

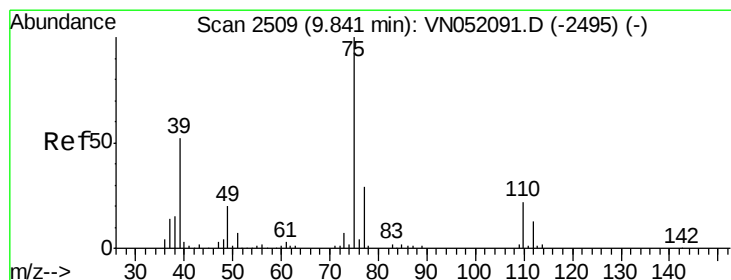
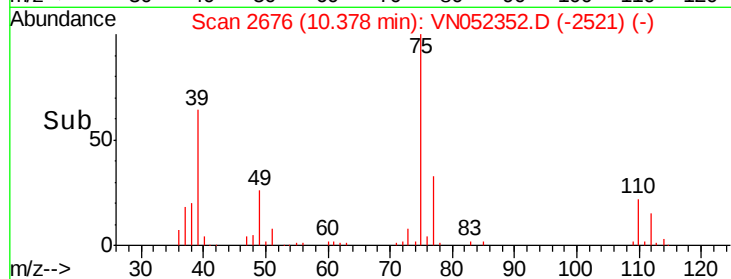
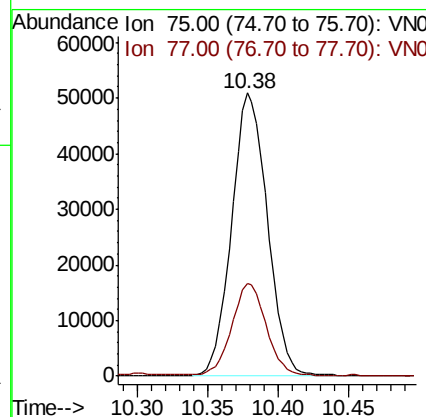
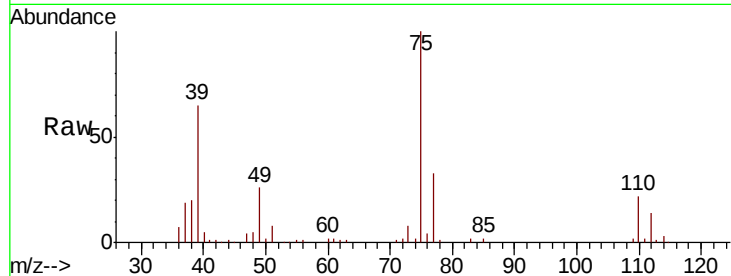




#48
 t-1,3-Dichloropropene
 Concen: 20.951 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

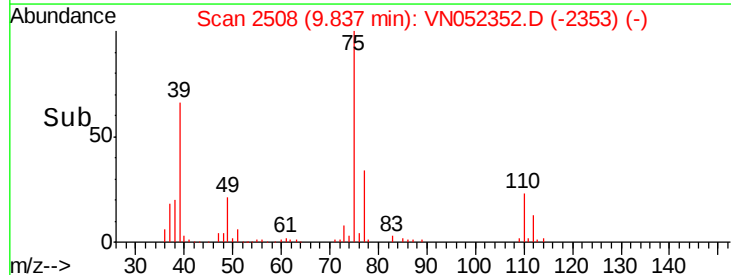
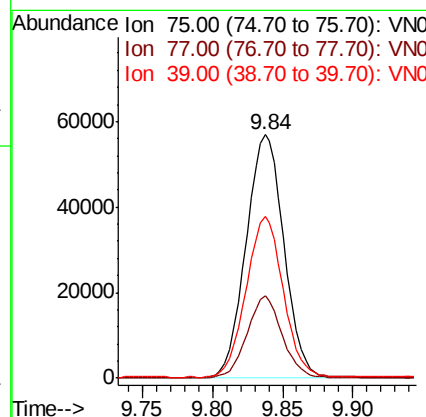
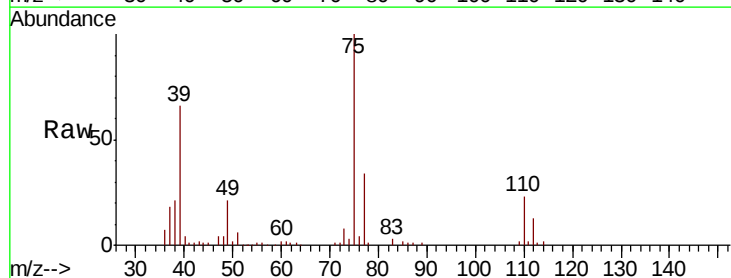
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

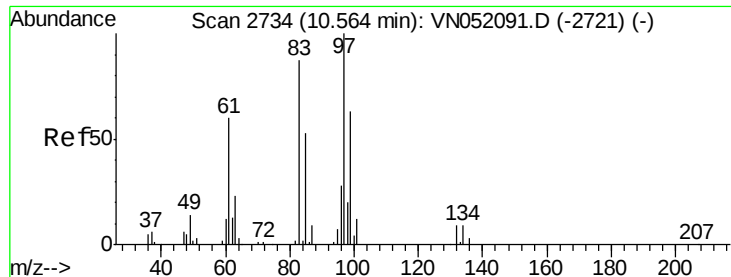
Tot Ion: 75 Resp: 90253
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.3 39.5



#49
 cis-1,3-Dichloropropene
 Concen: 21.589 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 75 Resp: 107341
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.3 34.9
 39 65.9 41.6 62.4#

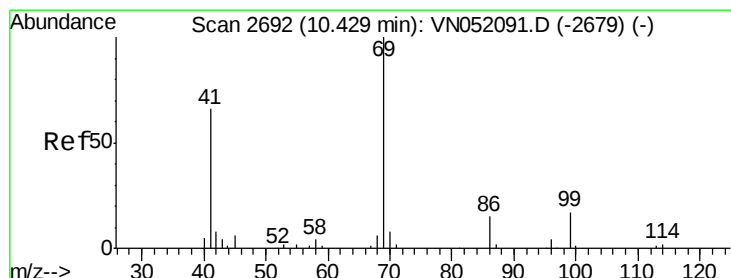
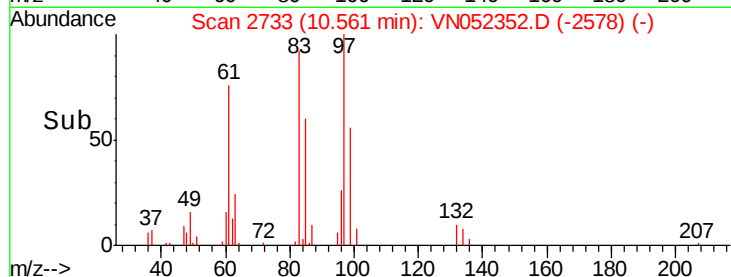
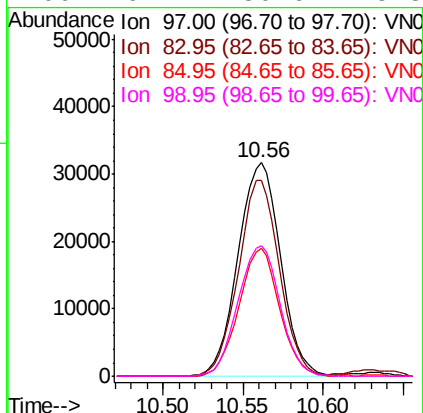
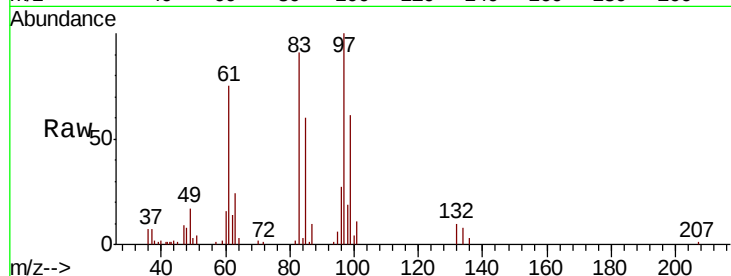




#50
 1,1,2-Trichloroethane
 Concen: 20.542 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

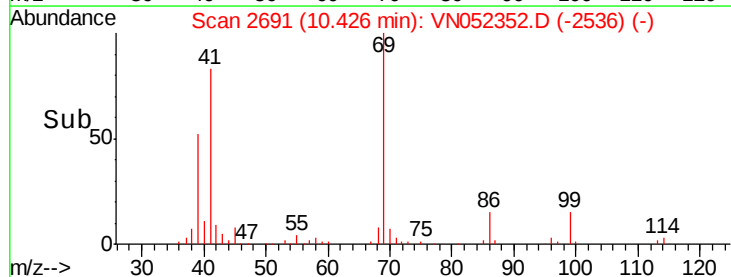
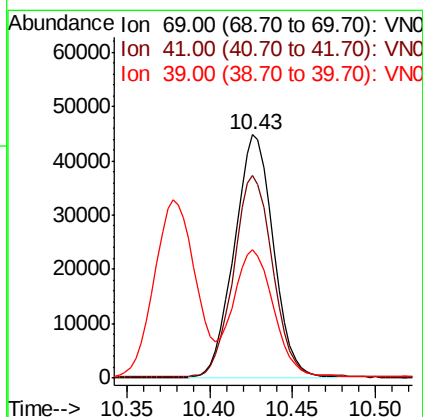
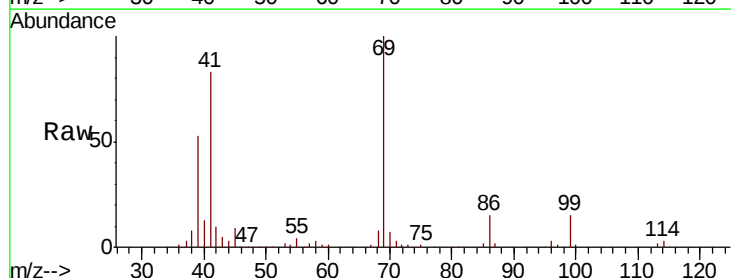
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

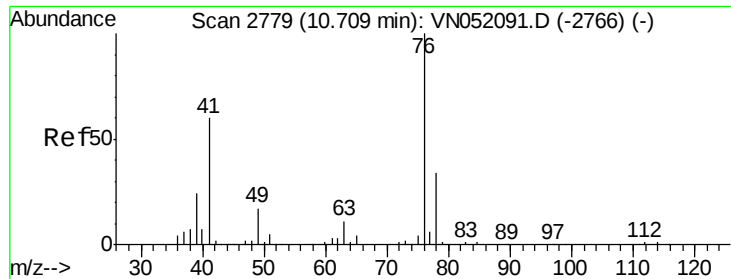
Tot Ion:	97	Resp:	57593
Ion	Ratio	Lower	Upper
97	100		
83	91.4	69.4	104.0
85	60.0	42.7	64.1
99	61.1	50.6	75.8



#51
 Ethyl methacrylate
 Concen: 20.344 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion:	69	Resp:	73716
Ion	Ratio	Lower	Upper
69	100		
41	82.2	33.0	99.0
39	51.8	20.7	62.1





#52

1,3-Dichloropropane

Concen: 20.700 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

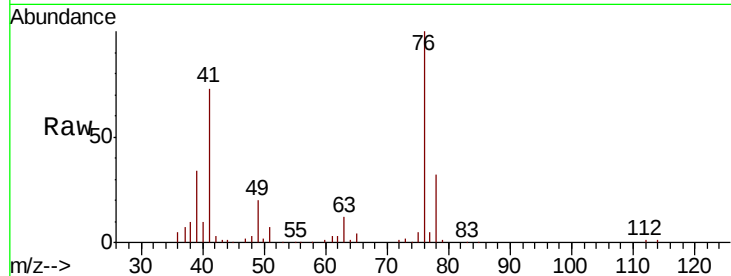
VSTDCCC020

Tot Ion: 76 Resp: 101093

Ion Ratio Lower Upper

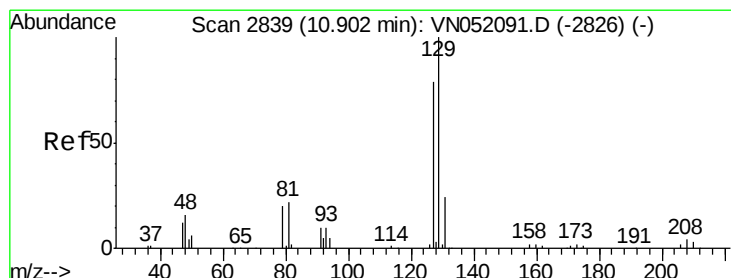
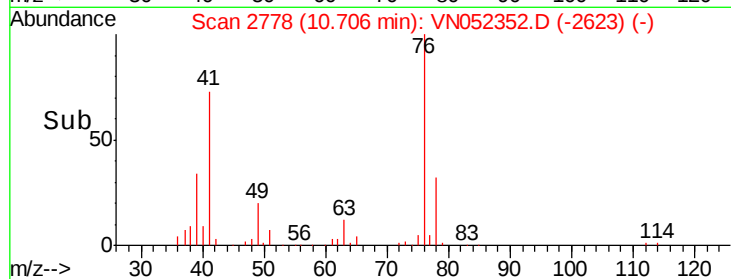
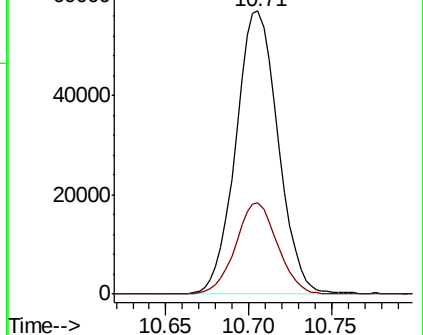
76 100

78 31.9 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VN052091.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN052091.D (-2766) (-)



#53

Dibromochloromethane

Concen: 21.017 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052352.D

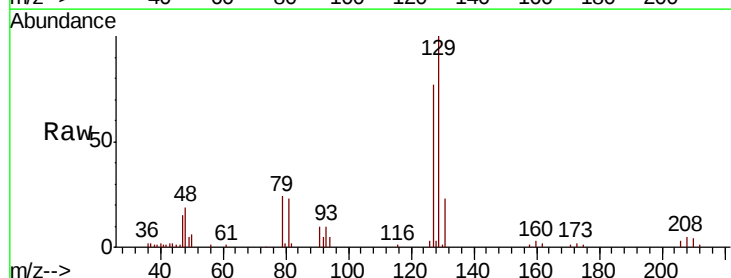
Acq: 16 Nov 2018 8:52

Tgt Ion: 129 Resp: 63614

Ion Ratio Lower Upper

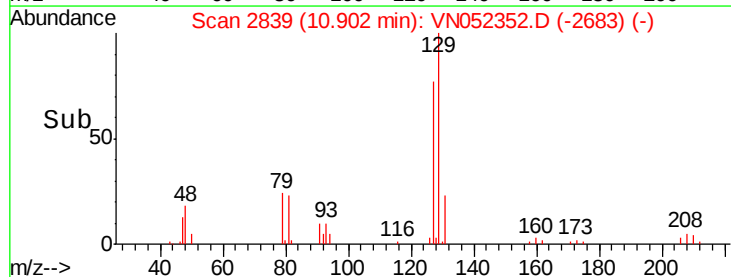
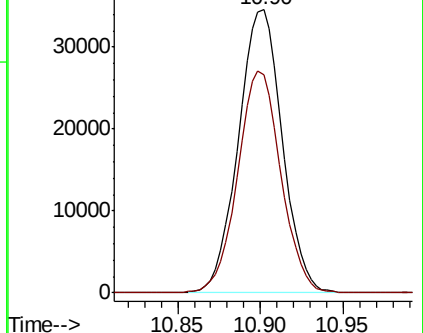
129 100

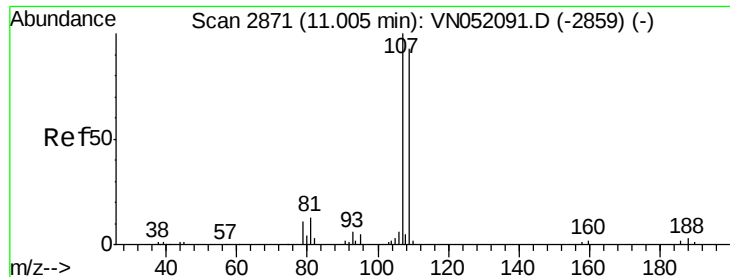
127 77.0 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): VN052091.D (-2826) (-)

Ion 127.00 (126.70 to 127.70): VN052091.D (-2826) (-)





#54

1,2-Dibromoethane

Concen: 19.037 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

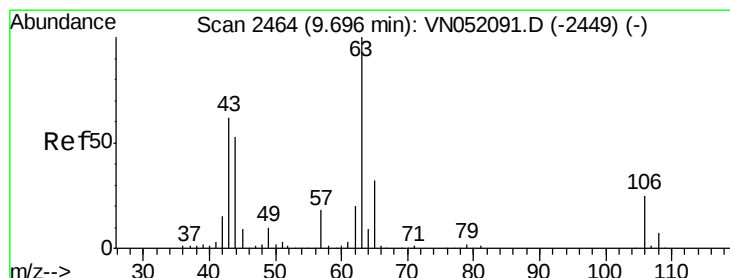
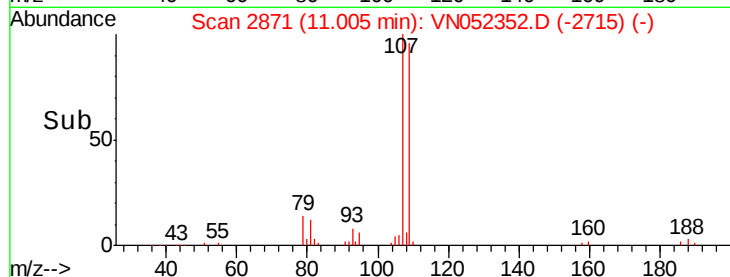
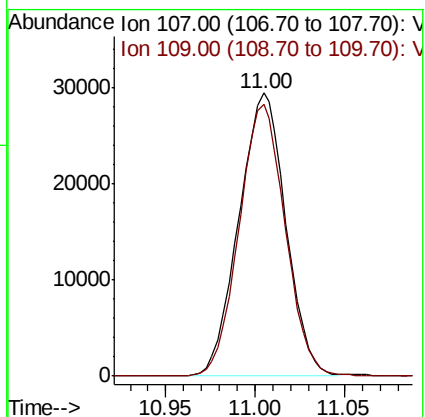
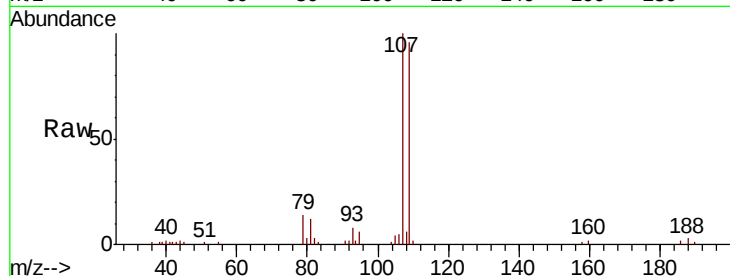
VSTDCCC020

Tot Ion:107 Resp: 54126

Ion Ratio Lower Upper

107 100

109 94.3 77.0 115.6



#55

2-Chloroethyl vinyl ether

Concen: 105.432 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

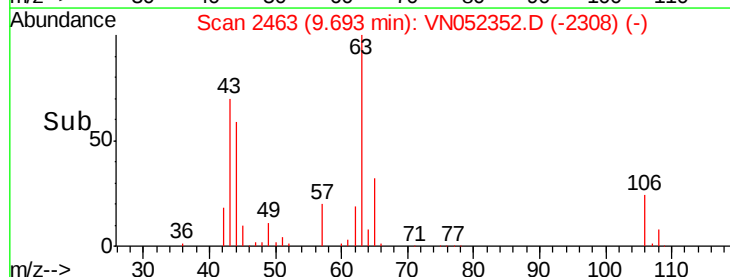
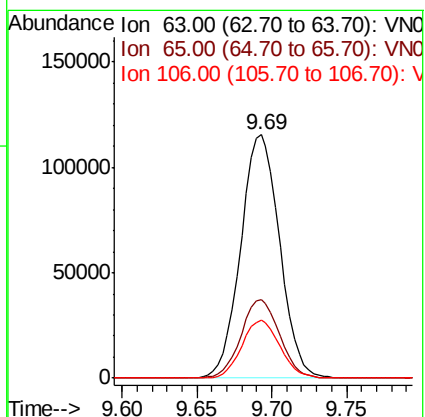
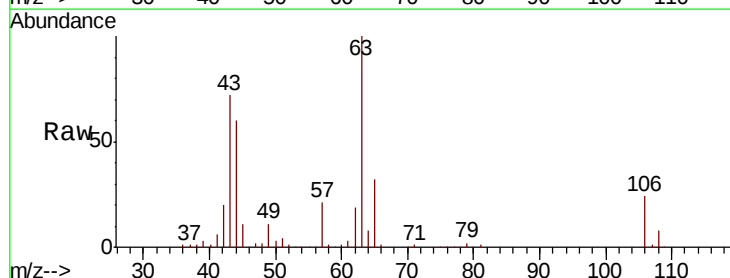
Tgt Ion: 63 Resp: 209202

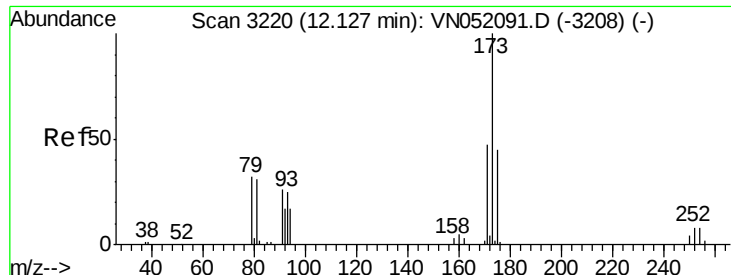
Ion Ratio Lower Upper

63 100

65 31.9 25.5 38.3

106 23.5 20.4 30.6

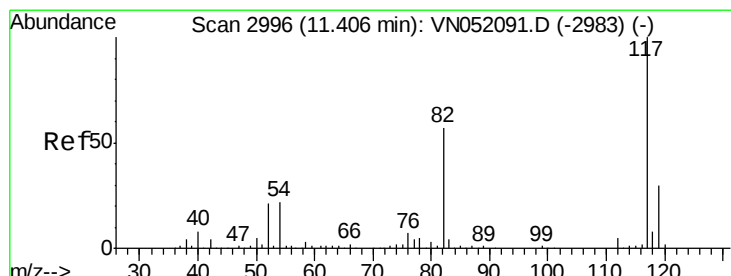
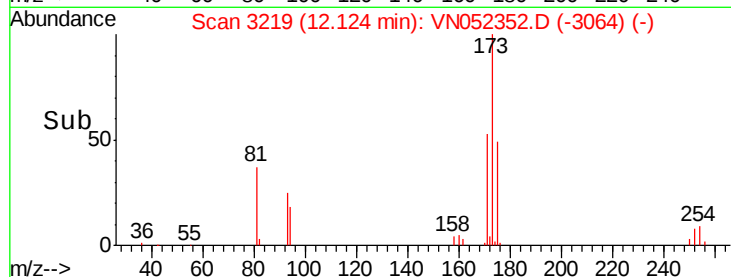
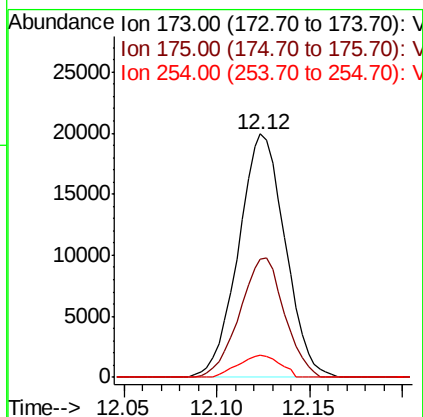
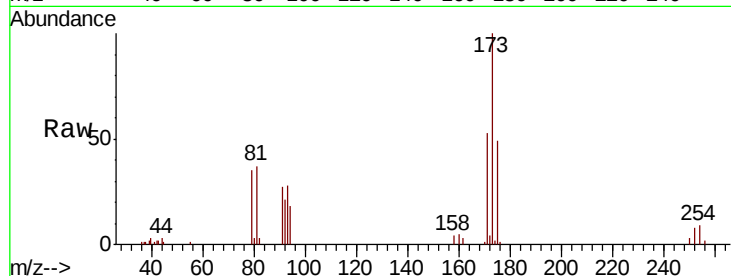




#56
Bromoform
Concen: 19.872 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

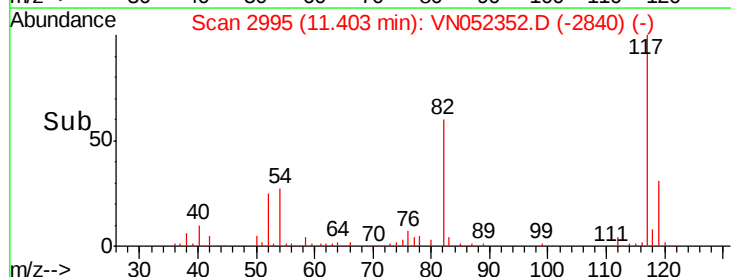
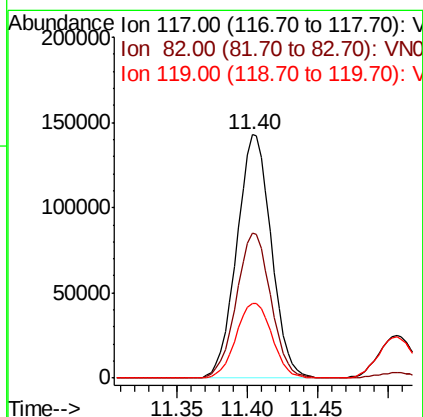
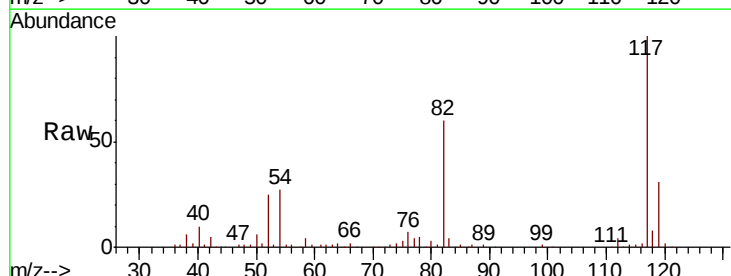
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

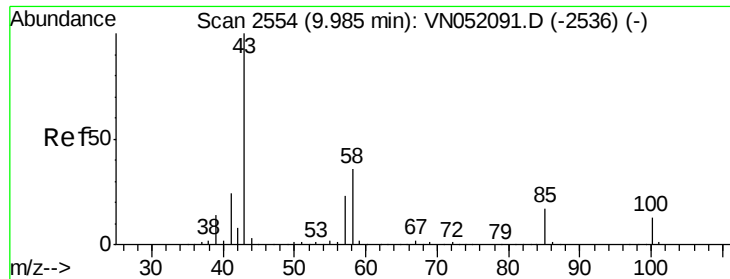
Tot Ion:173 Resp: 34741
Ion Ratio Lower Upper
173 100
175 47.1 37.3 55.9
254 8.2 7.0 10.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion:117 Resp: 244773
Ion Ratio Lower Upper
117 100
82 59.9 45.0 67.6
119 32.0 24.2 36.4





#58

4-Methyl-2-Pentanone

Concen: 115.743 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

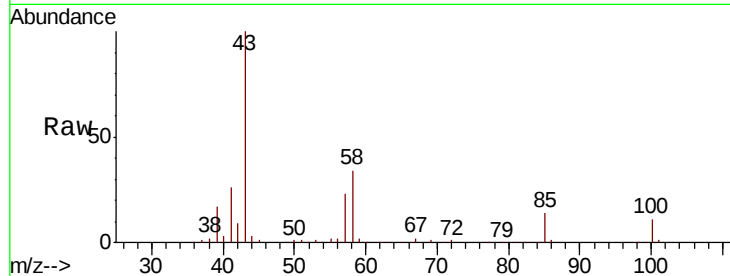
Tot Ion: 43 Resp: 303578

Ion Ratio Lower Upper

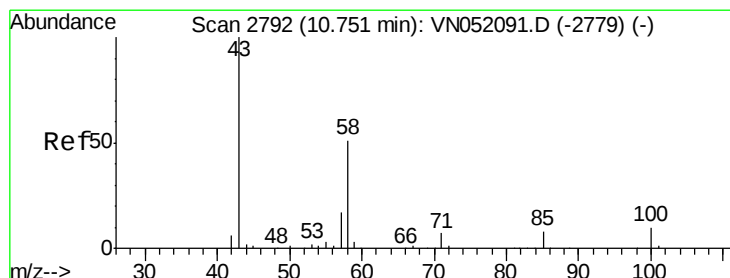
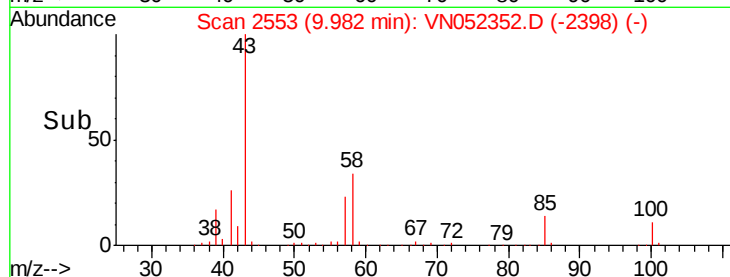
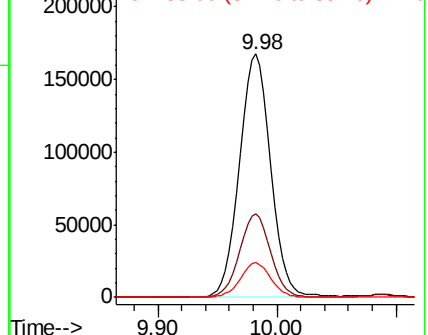
43 100

58 34.1 29.0 43.6

85 14.1 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0



#59

2-Hexanone

Concen: 122.007 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

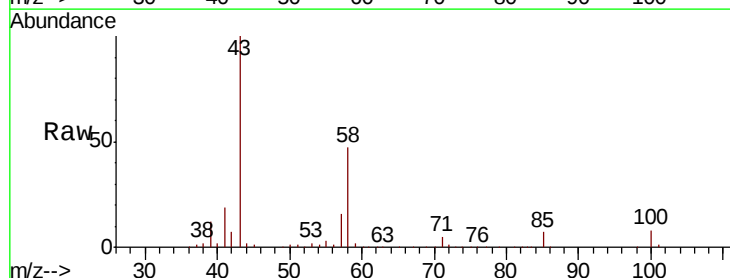
Tgt Ion: 43 Resp: 220336

Ion Ratio Lower Upper

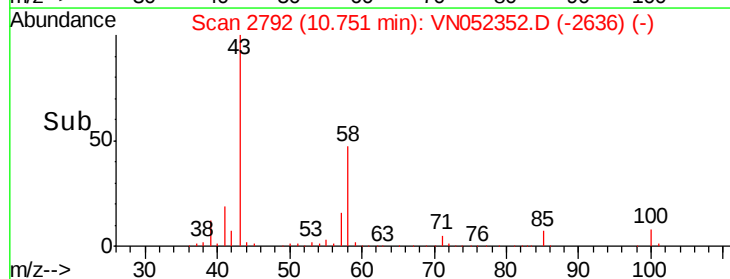
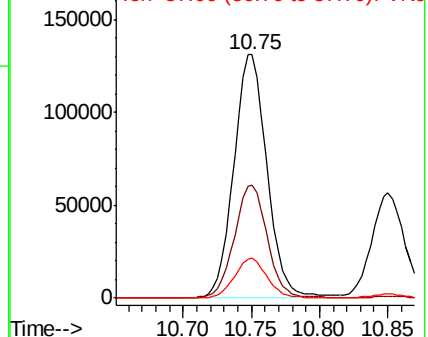
43 100

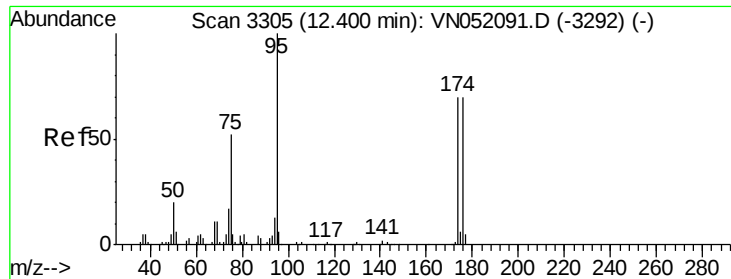
58 46.4 40.8 61.2

57 16.3 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

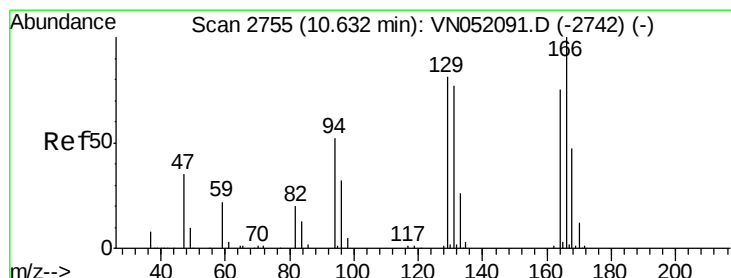
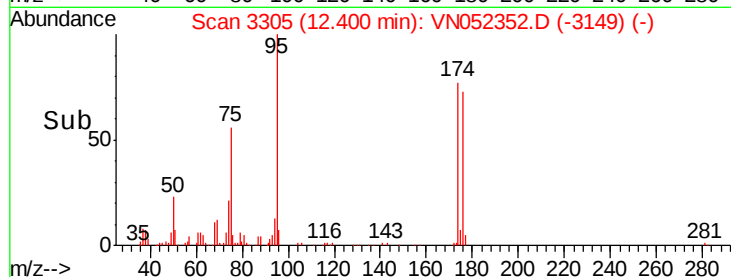
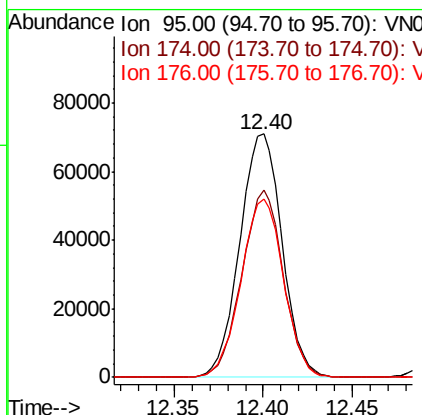
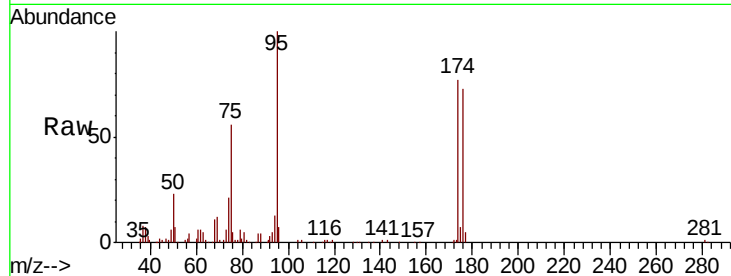




#60
4-Bromofluorobenzene
Concen: 122.007 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

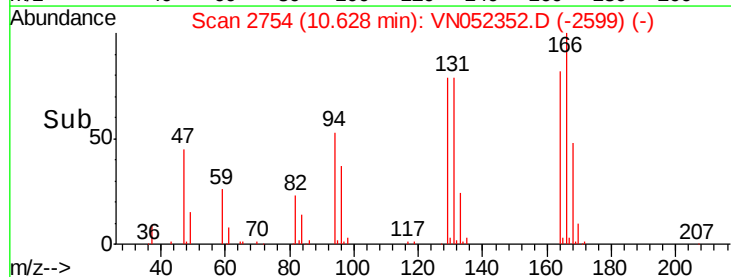
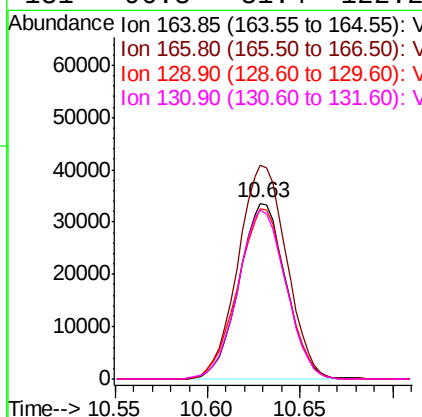
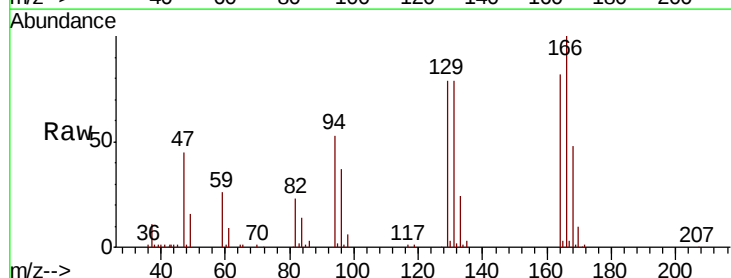
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

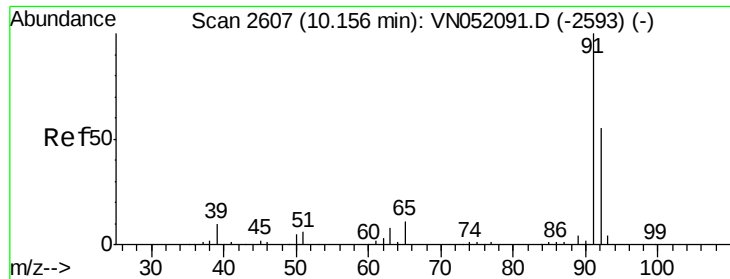
Tot Ion: 95 Resp: 117239
Ion Ratio Lower Upper
95 100
174 75.3 55.0 82.6
176 73.8 54.2 81.4



#61
Tetrachloroethene
Concen: 22.182 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 164 Resp: 59050
Ion Ratio Lower Upper
164 100
166 121.7 106.4 159.6
129 96.7 87.0 130.4
131 96.3 81.4 122.2





#62

Toluene

Concen: 20.806 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

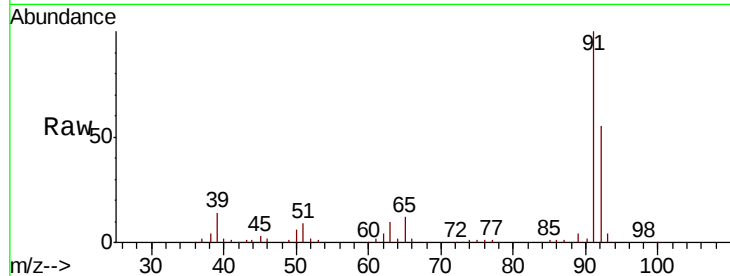
VSTDCCC020

Tot Ion: 91 Resp: 285886

Ion Ratio Lower Upper

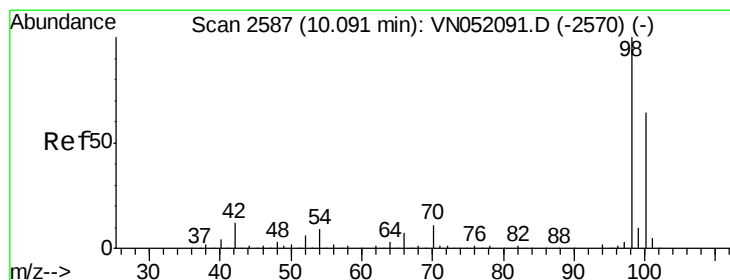
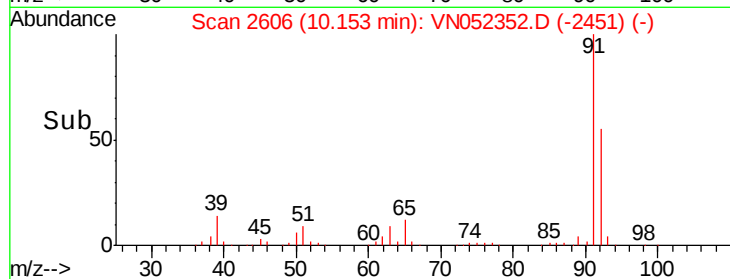
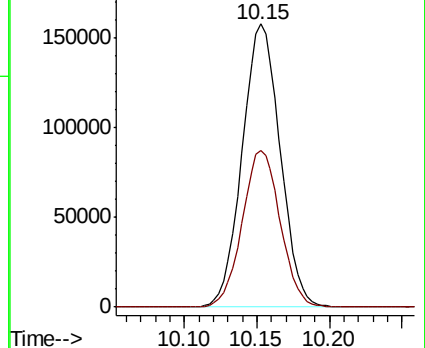
91 100

92 55.4 44.6 67.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



#63

Toluene-d8

Concen: 20.806 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052352.D

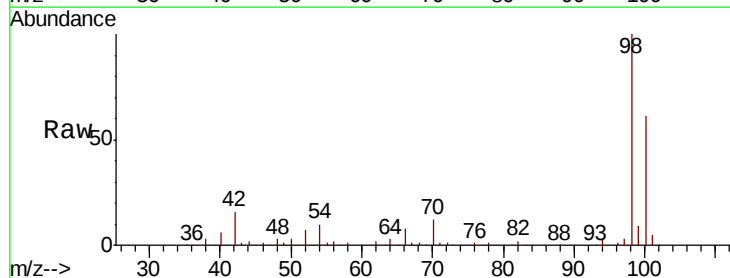
Acq: 16 Nov 2018 8:52

Tgt Ion: 98 Resp: 345959

Ion Ratio Lower Upper

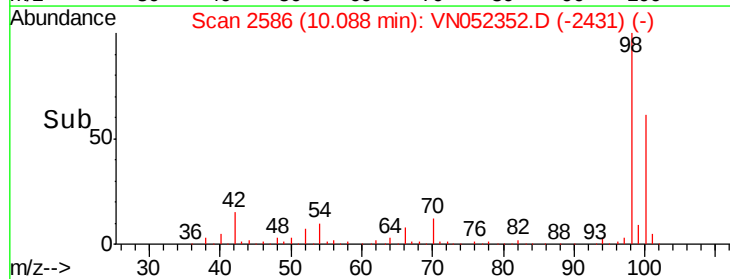
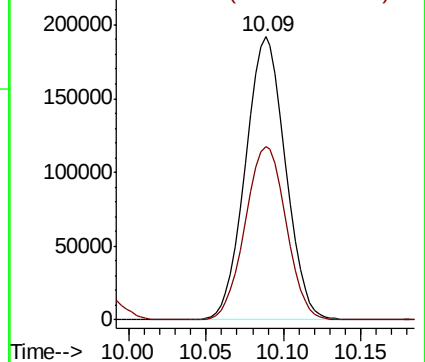
98 100

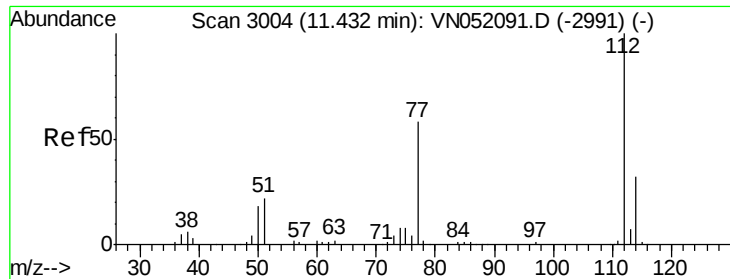
100 62.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

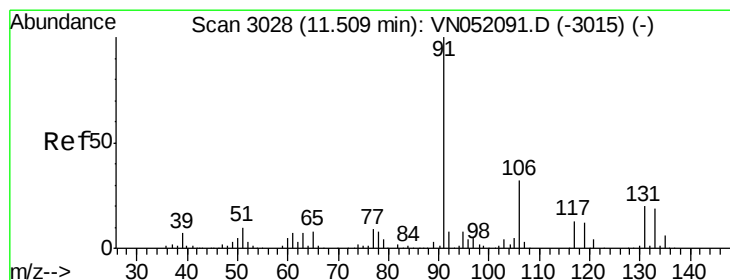
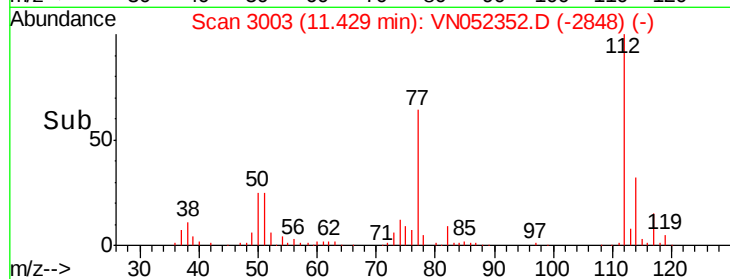
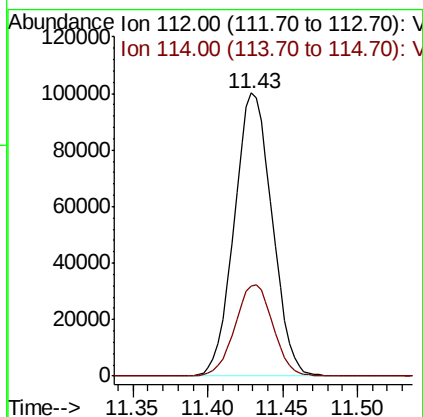
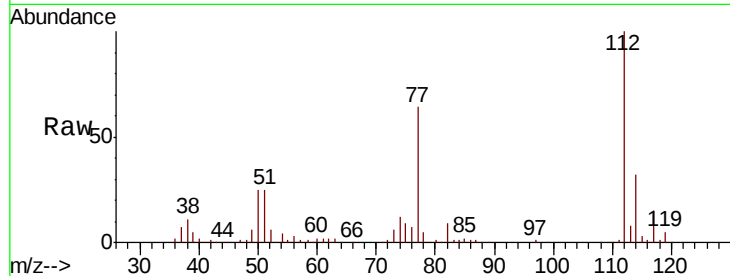




#64
Chlorobenzene
Concen: 20.260 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

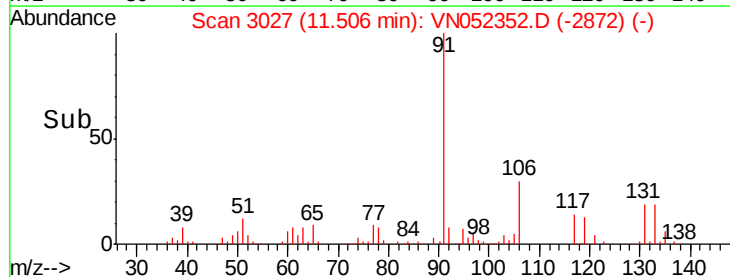
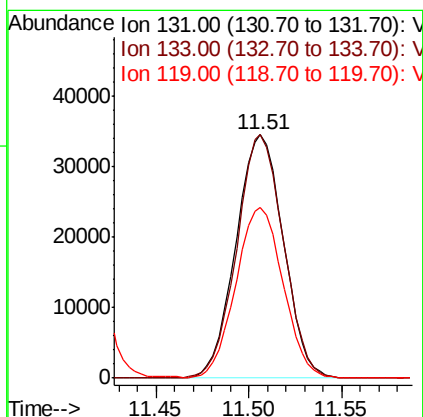
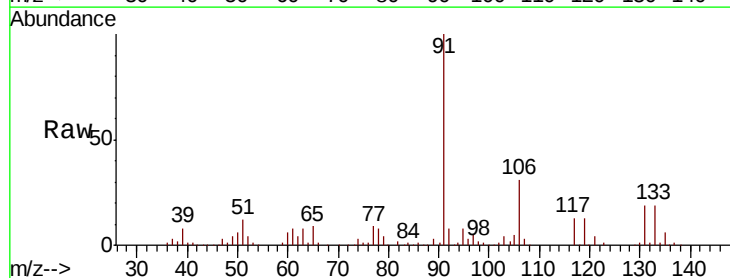
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

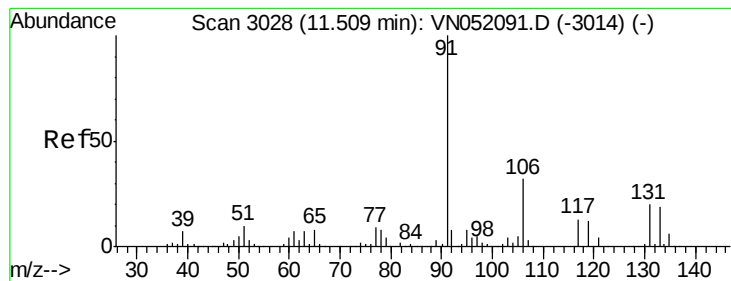
Tot Ion:112 Resp: 176431
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#65
1,1,1,2-Tetrachloroethane
Concen: 20.700 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion:131 Resp: 61355
Ion Ratio Lower Upper
131 100
133 98.0 0.0 188.8
119 69.6 0.0 131.4





#66

Ethyl Benzene

Concen: 21.024 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

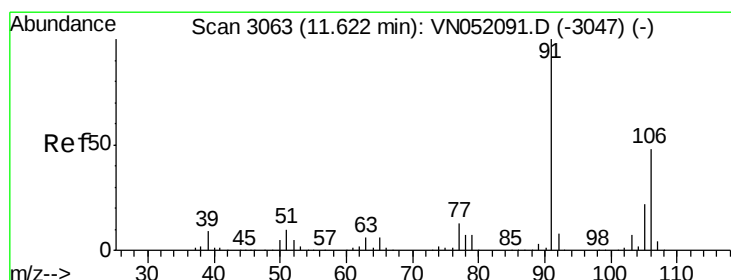
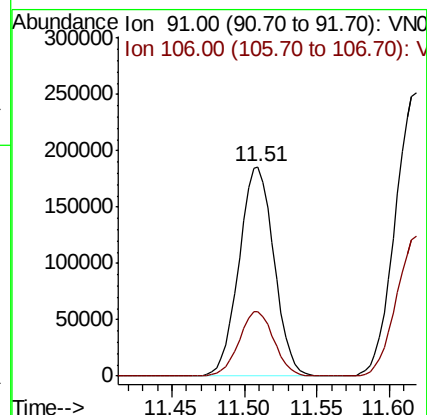
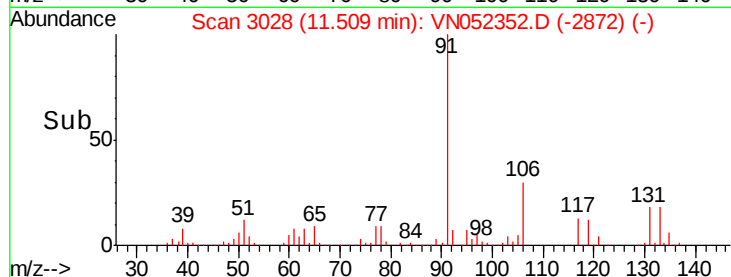
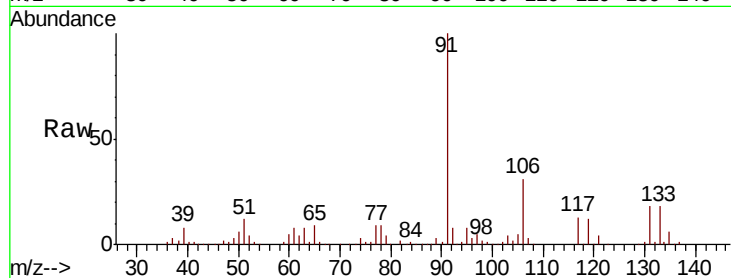
VSTDCCC020

Tot Ion: 91 Resp: 312042

Ion Ratio Lower Upper

91 100

106 30.9 25.7 38.5



#67

m/p-Xylenes

Concen: 40.570 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052352.D

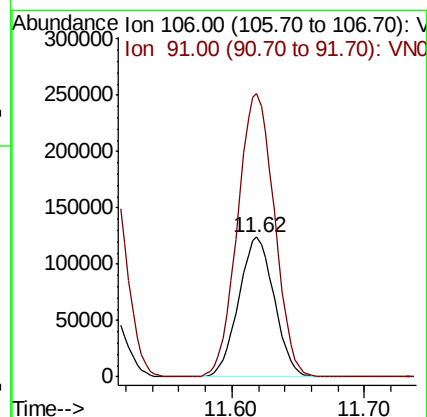
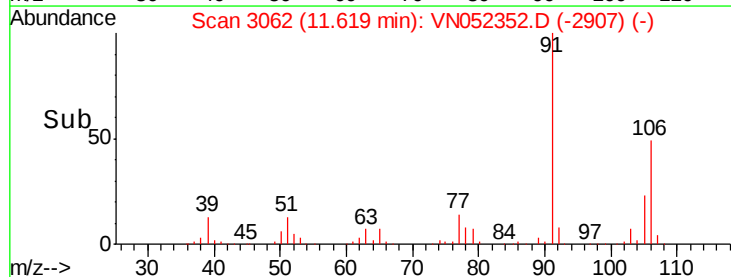
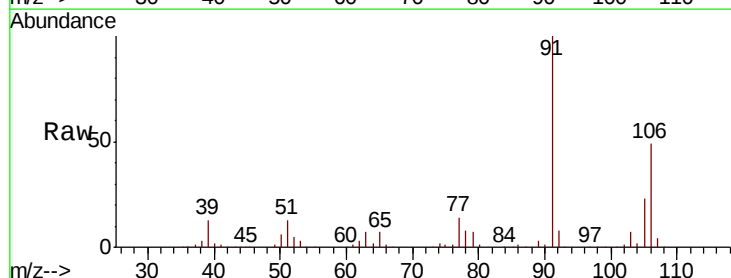
Acq: 16 Nov 2018 8:52

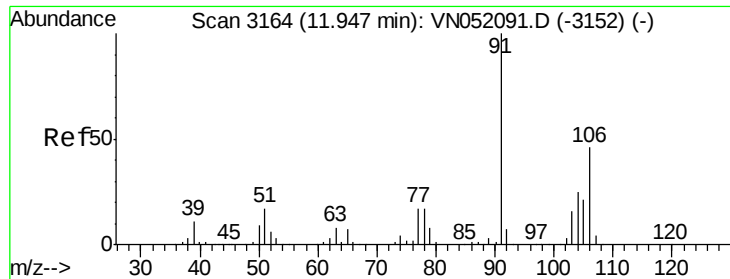
Tgt Ion: 106 Resp: 231826

Ion Ratio Lower Upper

106 100

91 208.6 163.6 245.4

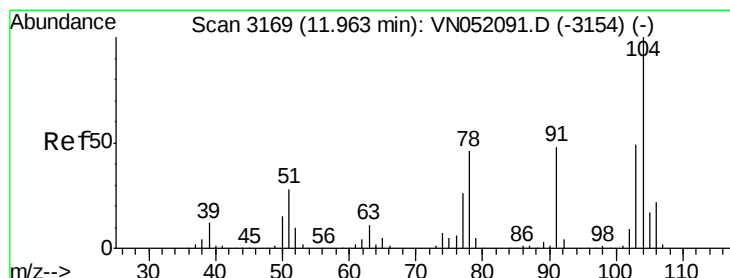
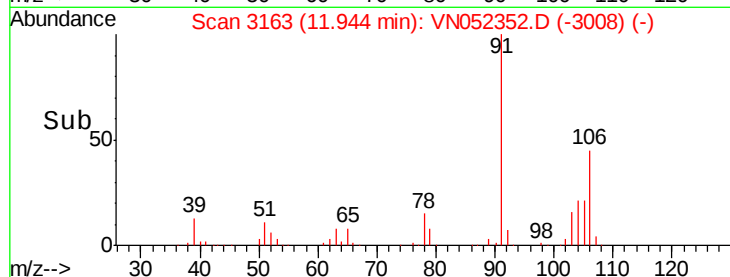
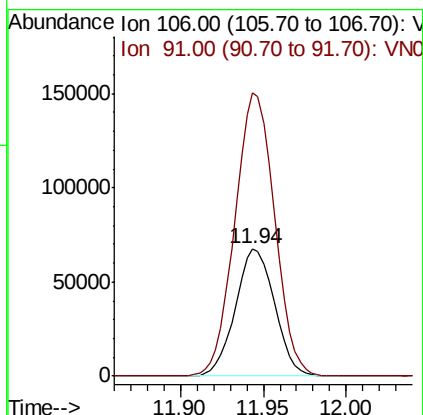
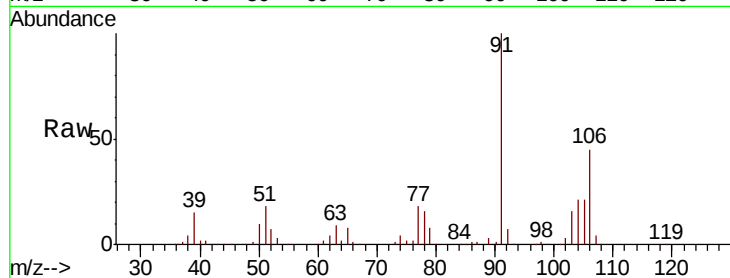




#68
o-Xylene
Concen: 20.492 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

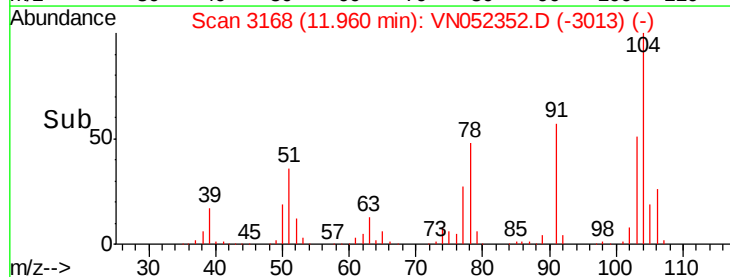
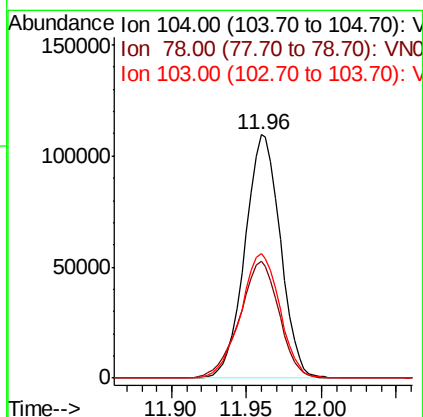
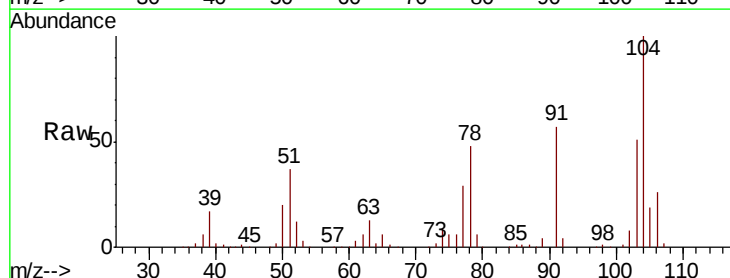
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

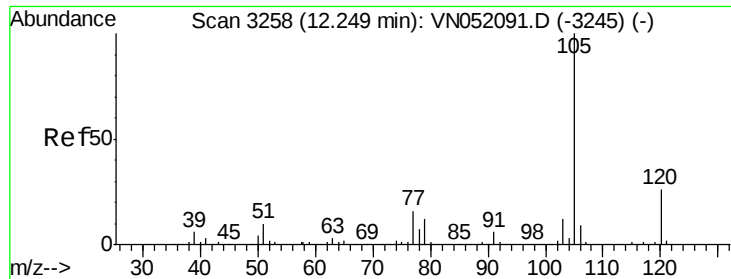
Tot Ion:106 Resp: 111638
Ion Ratio Lower Upper
106 100
91 225.2 110.0 330.0



#69
Styrene
Concen: 20.610 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion:104 Resp: 180937
Ion Ratio Lower Upper
104 100
78 53.4 41.3 61.9
103 56.6 43.3 64.9





#70

Isopropylbenzene

Concen: 21.192 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

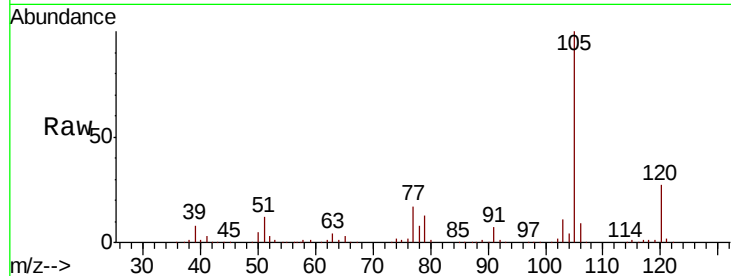
VSTDCCC020

Tot Ion:105 Resp: 309930

Ion Ratio Lower Upper

105 100

120 26.0 18.4 34.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

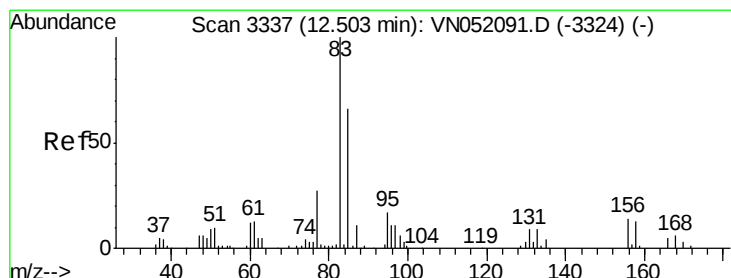
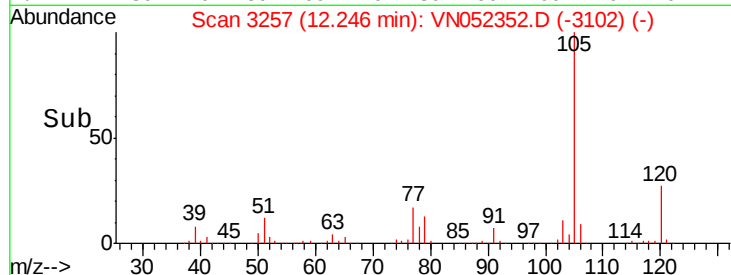
100000

50000

0

12.20 12.25 12.30

Time-->



#71

1,1,2,2-Tetrachloroethane

Concen: 21.029 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

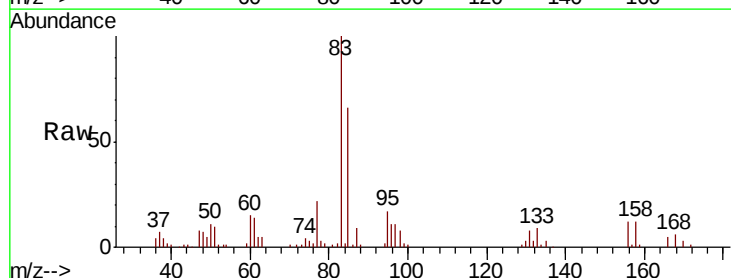
Tgt Ion: 83 Resp: 67647

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

85 65.7 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0

50000

40000

30000

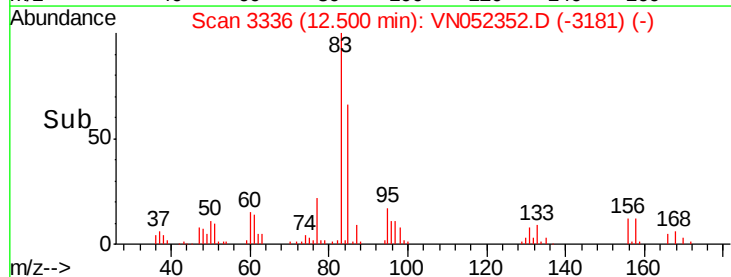
20000

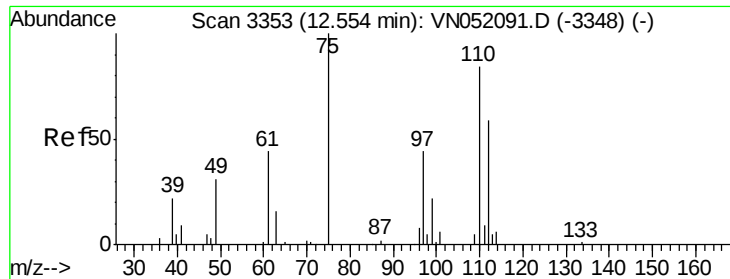
10000

0

12.45 12.50 12.55

Time-->





#72

1,2,3-Trichloropropane

Concen: 30.852 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

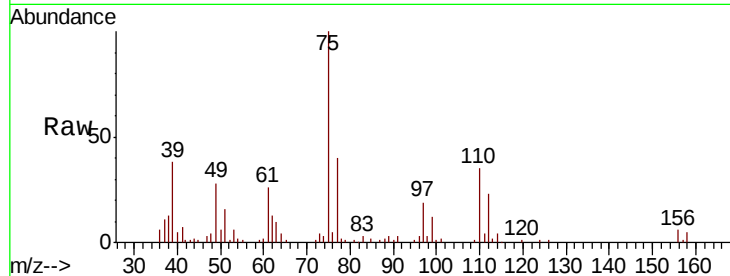
VSTDCCC020

Tot Ion: 75 Resp: 87262

Ion Ratio Lower Upper

75 100

77 160.7 0.0 481.8



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-3348) (-)

80000

60000

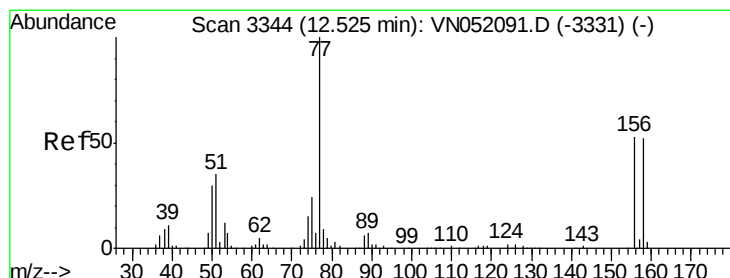
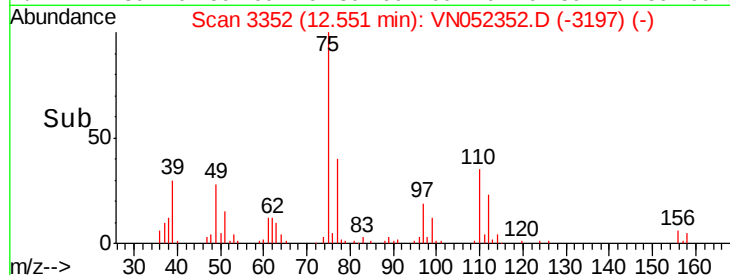
40000

20000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 21.031 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

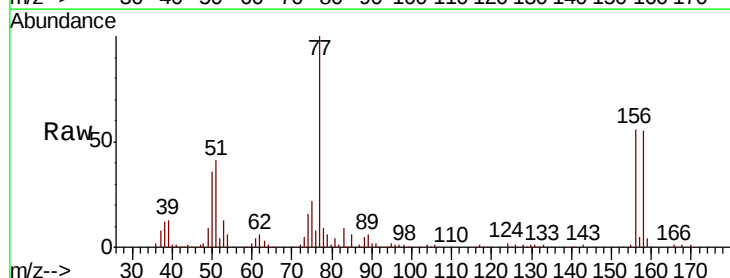
Tgt Ion: 156 Resp: 68154

Ion Ratio Lower Upper

156 100

77 205.8 0.0 428.0

158 99.2 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): VN052091.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN052091.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN052091.D (-3331) (-)

100000

80000

60000

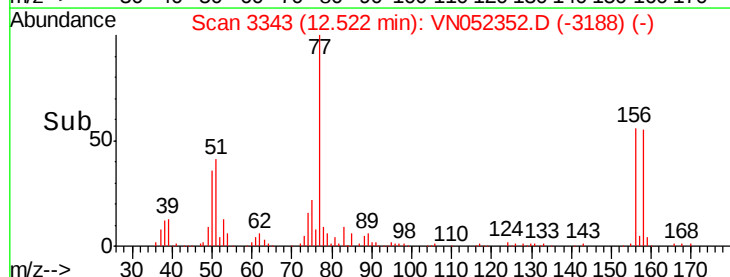
40000

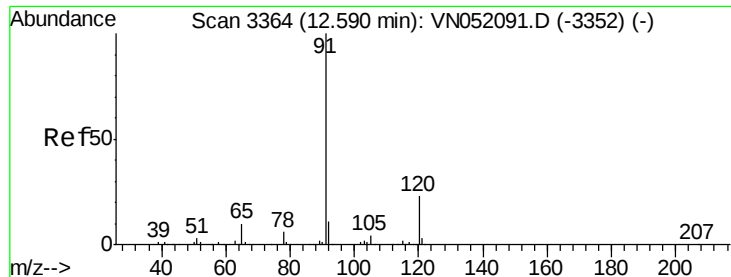
20000

0

12.45 12.50 12.55

Time-->





#74

n-propylbenzene

Concen: 21.515 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

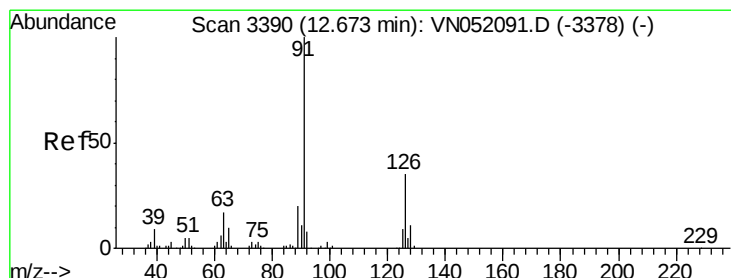
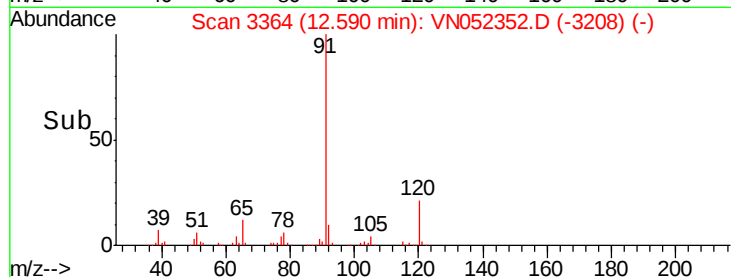
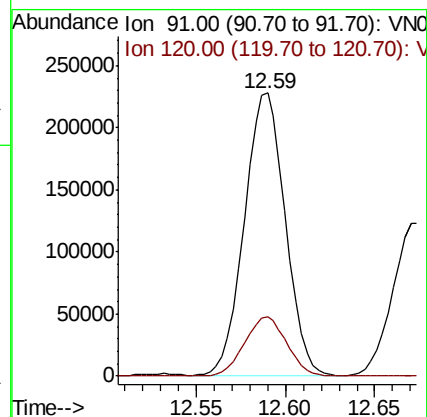
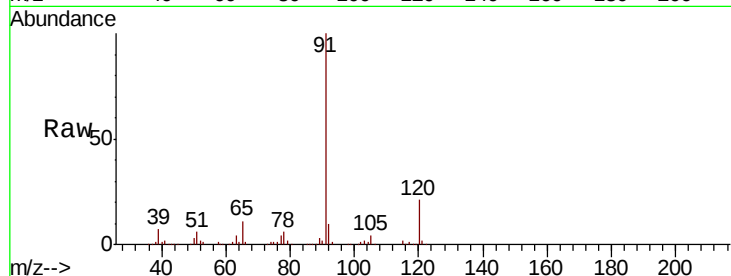
VSTDCCC020

Tot Ion: 91 Resp: 366411

Ion Ratio Lower Upper

91 100

120 21.5 0.0 44.8



#75

2-Chlorotoluene

Concen: 21.386 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052352.D

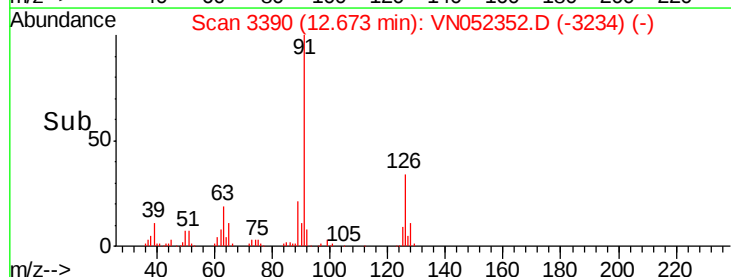
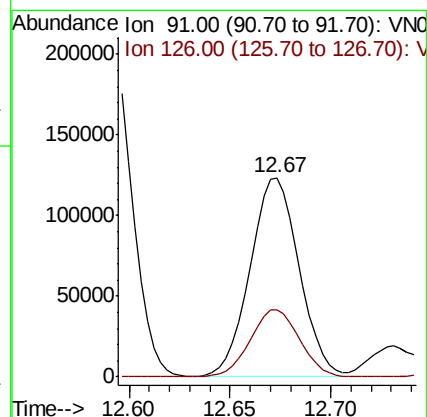
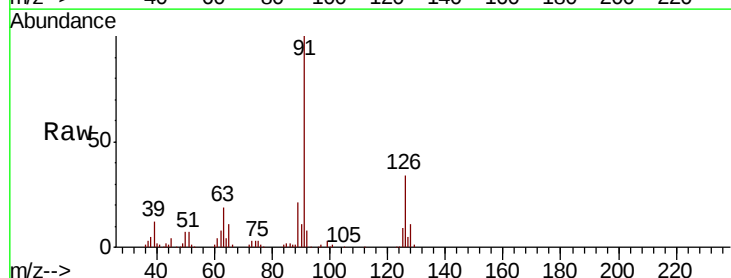
Acq: 16 Nov 2018 8:52

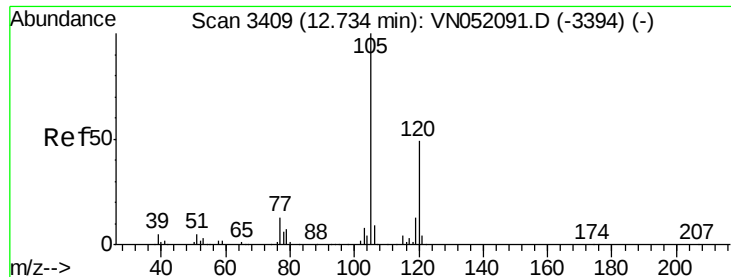
Tgt Ion: 91 Resp: 209983

Ion Ratio Lower Upper

91 100

126 34.0 0.0 68.0

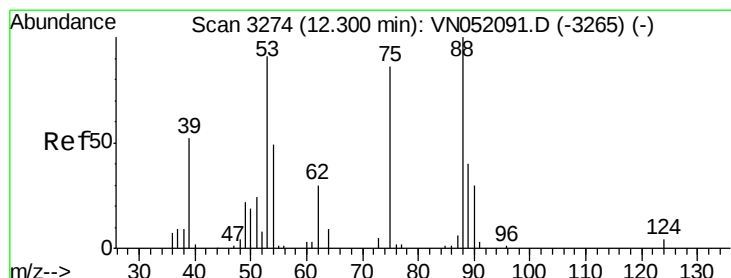
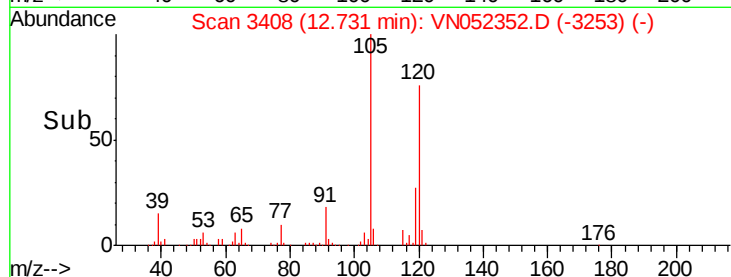
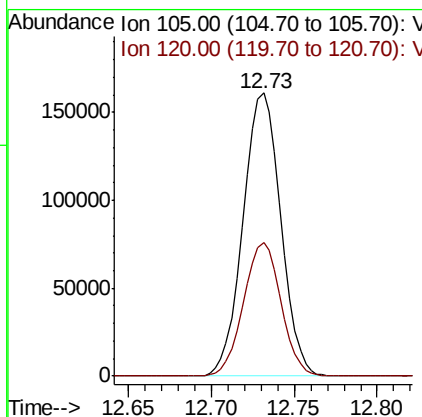
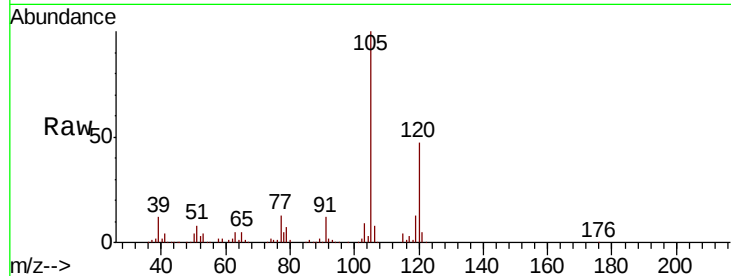




#76
 1,3,5-Trimethylbenzene
 Concen: 21.785 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

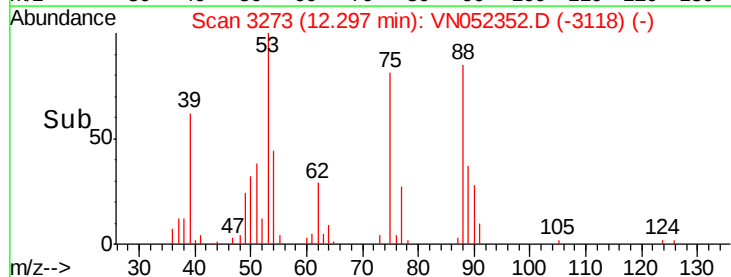
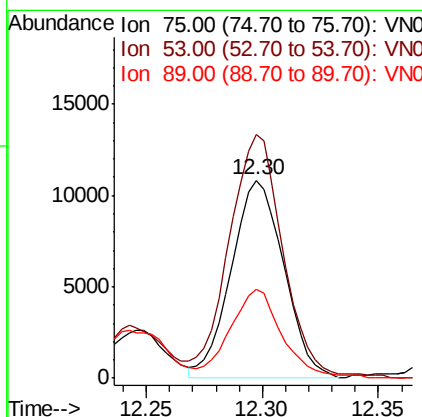
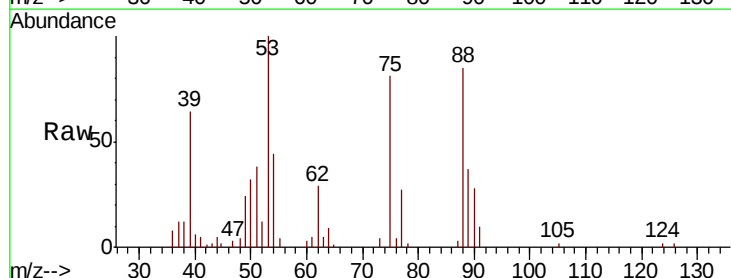
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

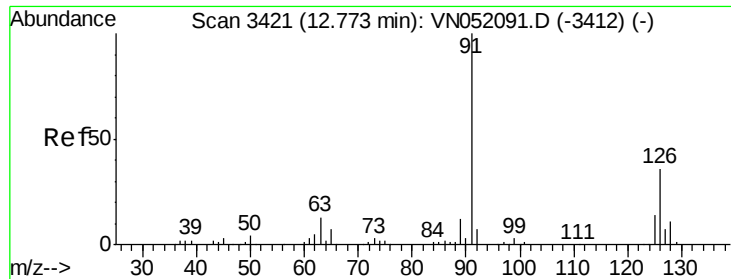
Tot Ion:105 Resp: 255479
 Ion Ratio Lower Upper
 105 100
 120 46.9 0.0 95.8



#77
 t-1,4-Dichloro-2-butene
 Concen: 19.380 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 75 Resp: 17151
 Ion Ratio Lower Upper
 75 100
 53 120.8 50.7 152.1
 89 43.5 23.8 71.5

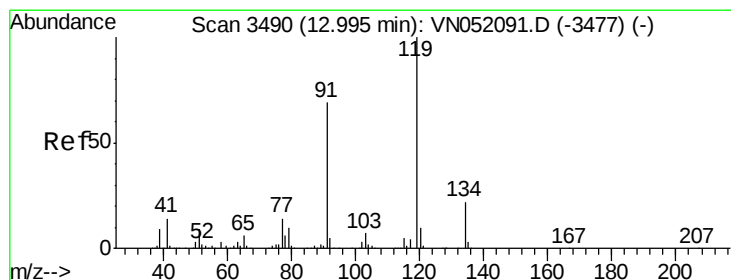
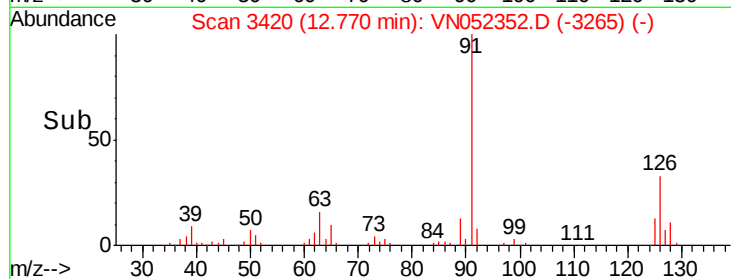
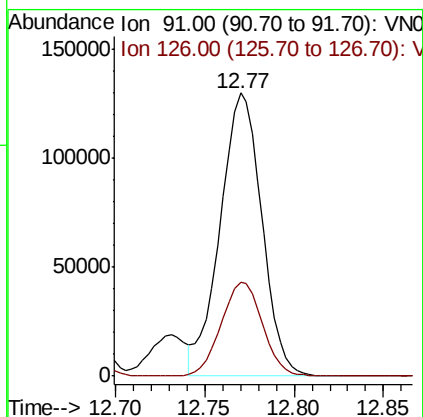
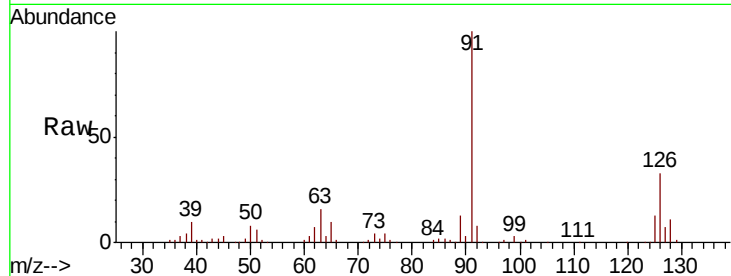




#78
4-Chlorotoluene
Concen: 21.388 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

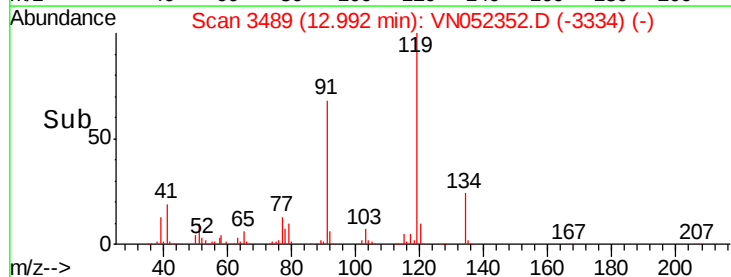
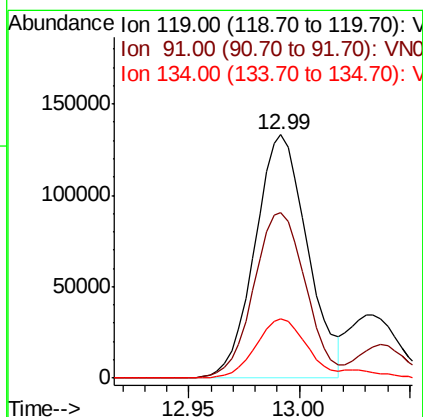
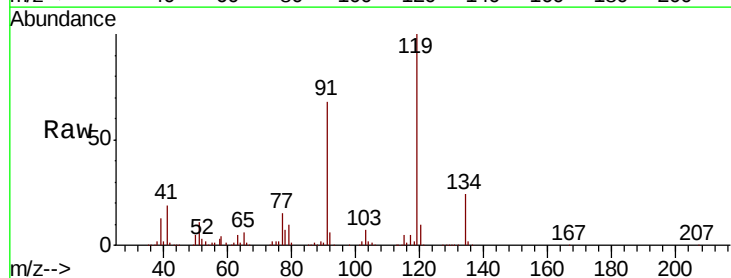
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

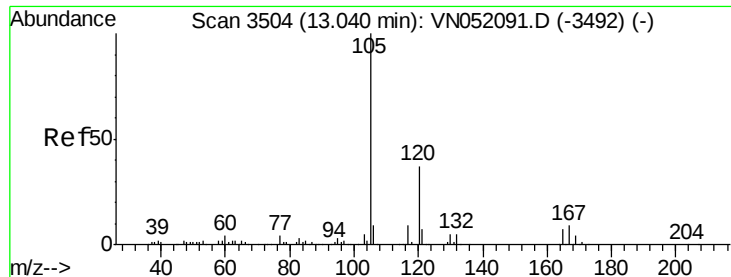
Tot Ion: 91 Resp: 211478
Ion Ratio Lower Upper
91 100
126 32.9 0.0 68.0



#79
tert-butylbenzene
Concen: 21.559 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052352.D
Acq: 16 Nov 2018 8:52

Tgt Ion: 119 Resp: 220234
Ion Ratio Lower Upper
119 100
91 67.2 0.0 131.2
134 23.6 0.0 45.8

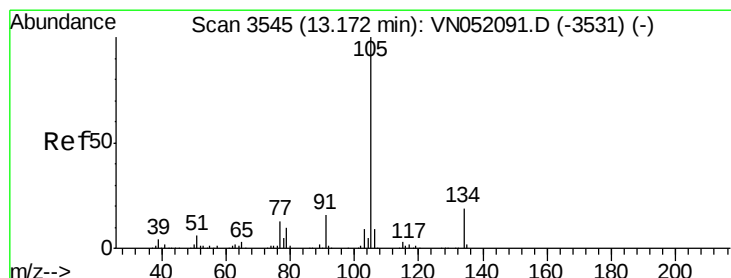
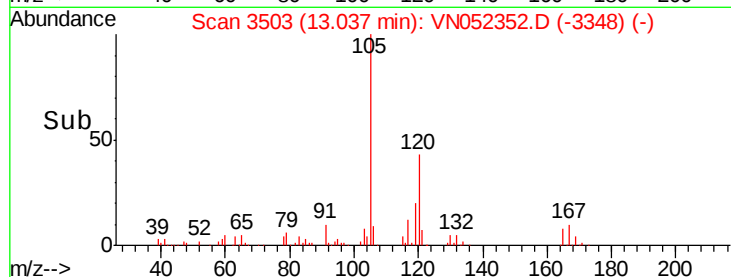
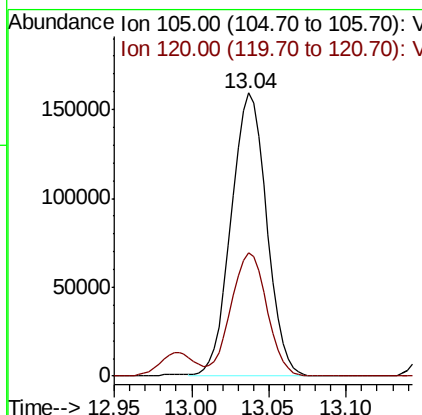
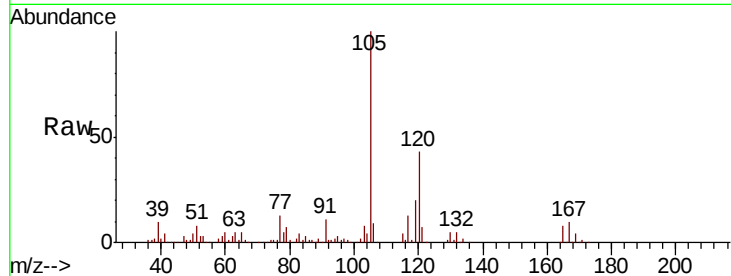




#80
 1,2,4-Trimethylbenzene
 Concen: 21.727 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

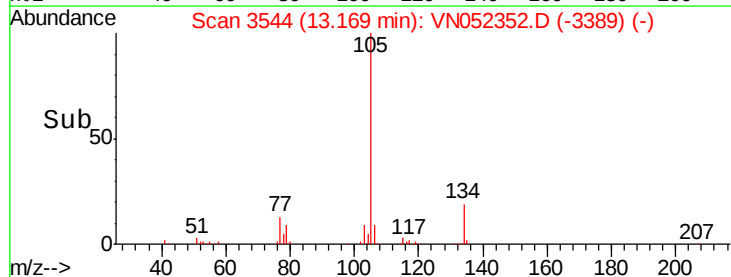
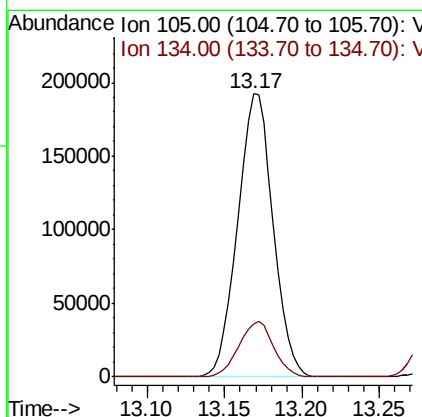
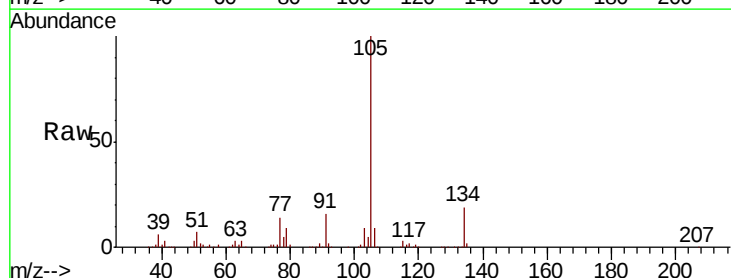
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

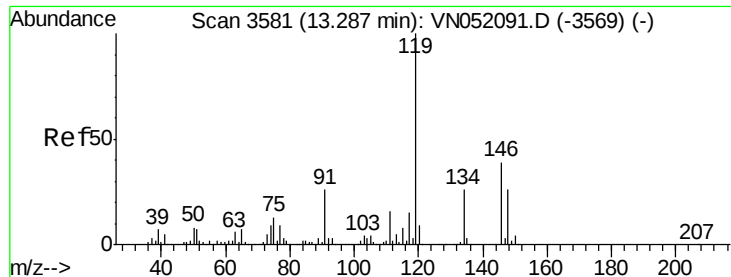
Tot Ion:105 Resp: 253839
 Ion Ratio Lower Upper
 105 100
 120 44.2 0.0 89.4



#81
 sec-Butylbenzene
 Concen: 21.765 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion:105 Resp: 305984
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 38.6

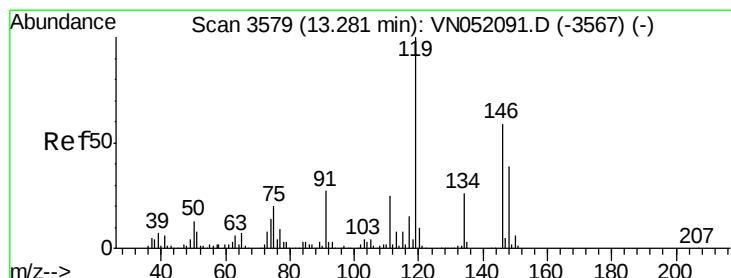
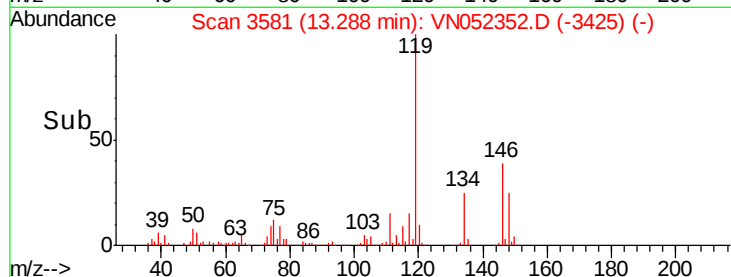
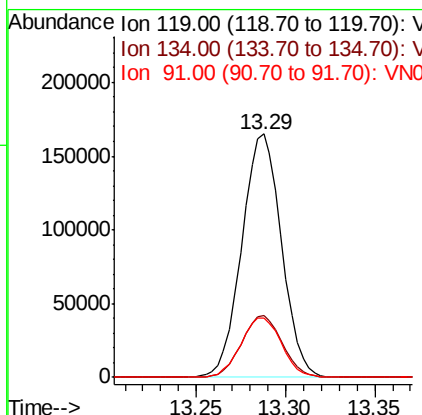
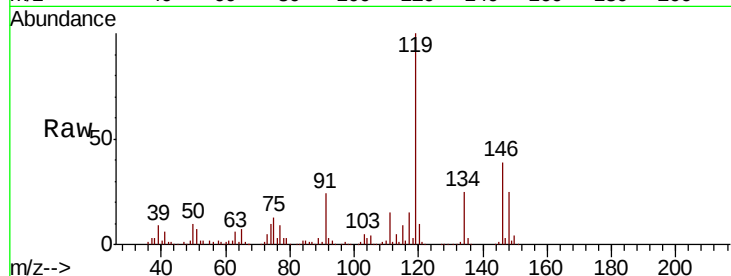




#82
 p-Isopropyltoluene
 Concen: 21.481 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

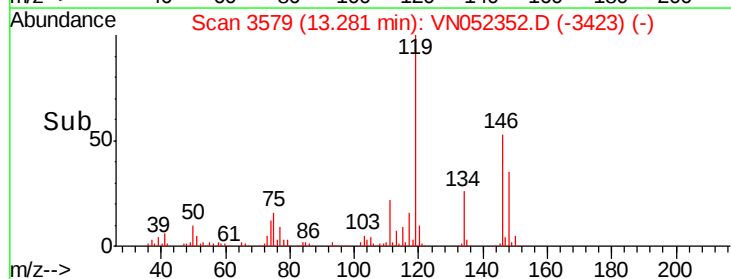
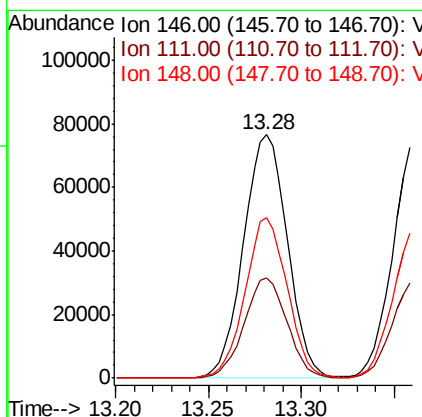
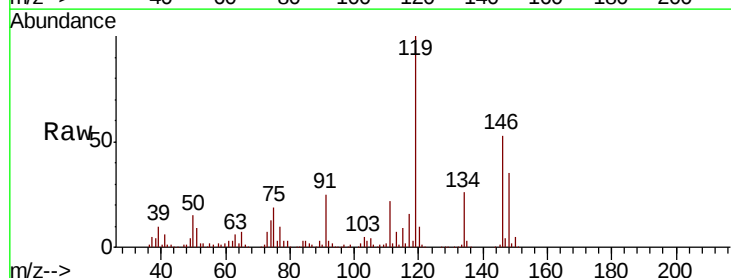
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

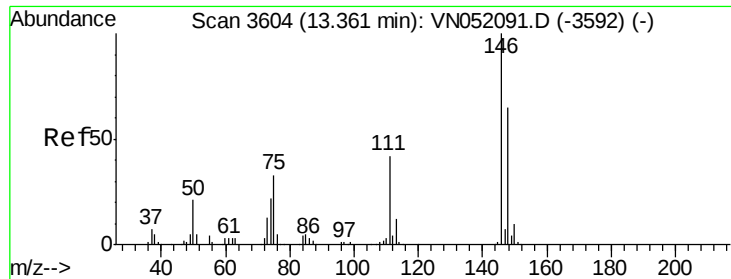
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	52.0
91	25.2	0.0	50.8



#83
 1,3-Dichlorobenzene
 Concen: 21.971 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.0	63.0
148	63.3	33.4	100.2

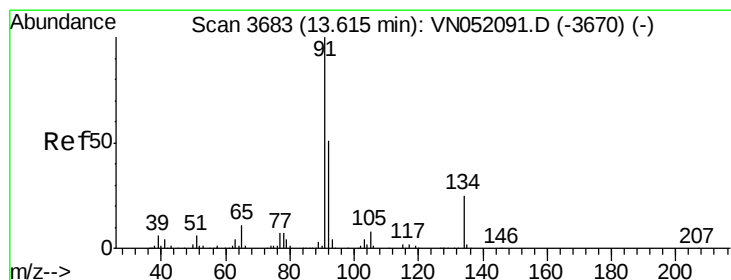
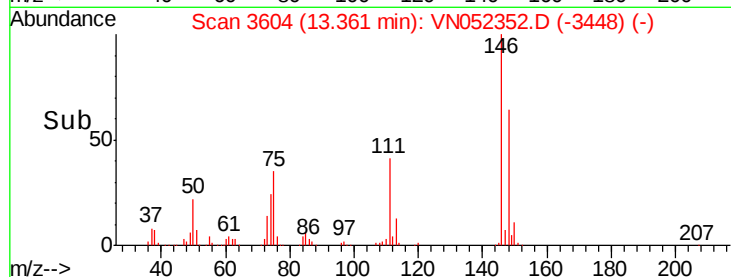
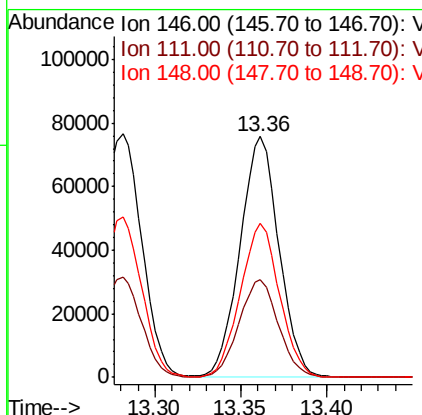
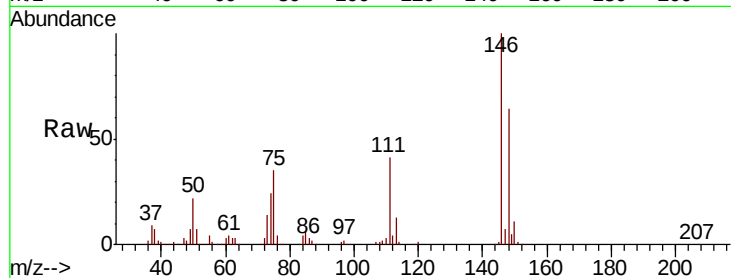




#84
 1,4-Dichlorobenzene
 Concen: 21.021 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

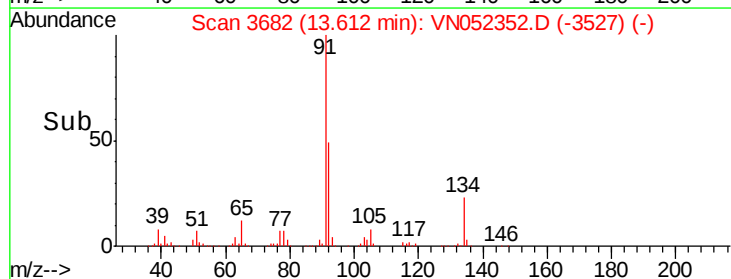
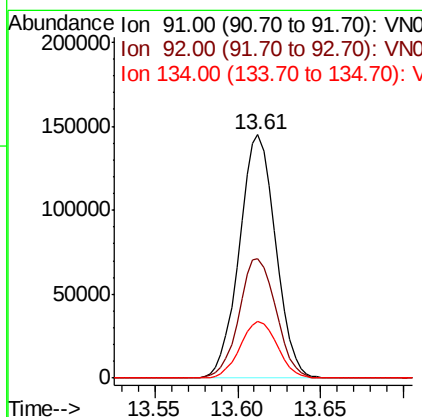
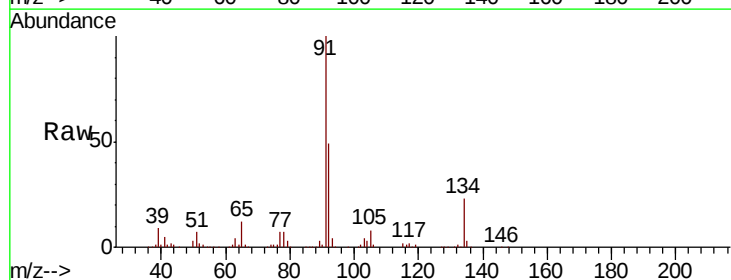
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

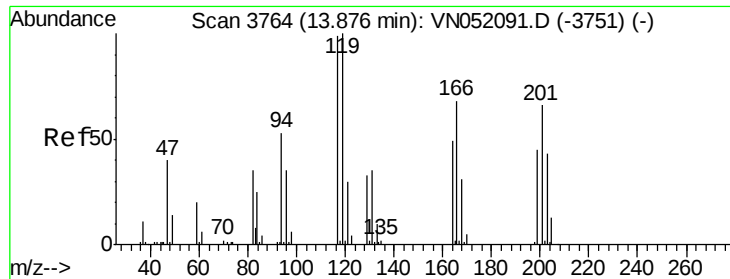
Tot Ion:146 Resp: 119285
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.4 64.2
 148 64.2 32.6 98.0



#85
 n-Butylbenzene
 Concen: 21.464 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 91 Resp: 220711
 Ion Ratio Lower Upper
 91 100
 92 50.1 0.0 102.8
 134 23.8 0.0 49.2





#86

Hexachloroethane

Concen: 22.292 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

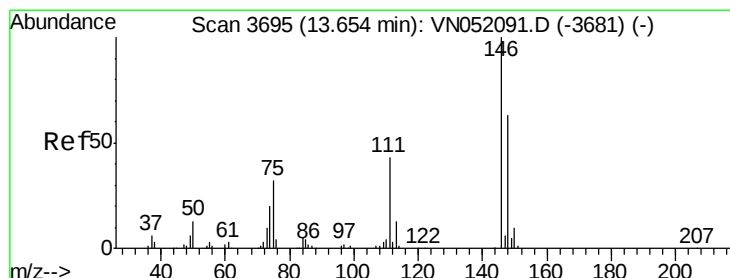
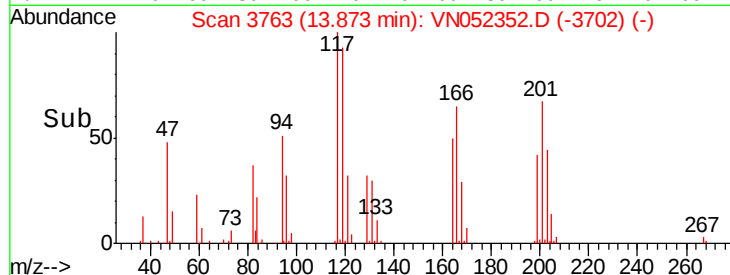
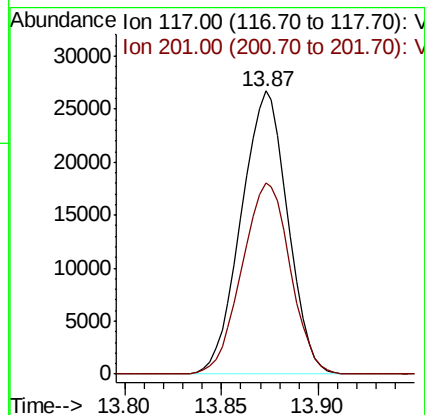
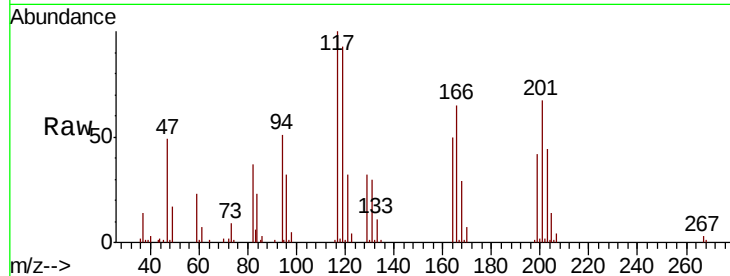
VSTDCCC020

Tot Ion:117 Resp: 44694

Ion Ratio Lower Upper

117 100

201 70.2 32.2 96.6



#87

1,2-Dichlorobenzene

Concen: 22.275 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

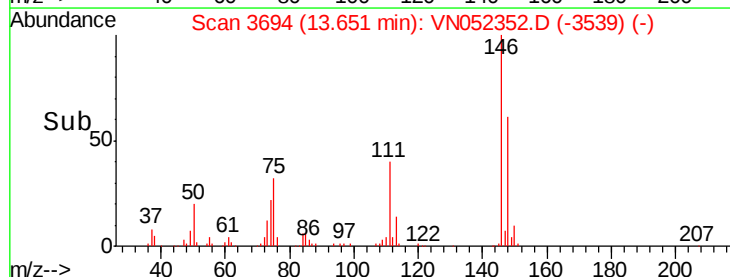
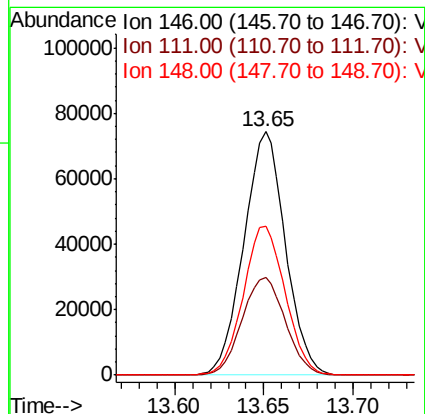
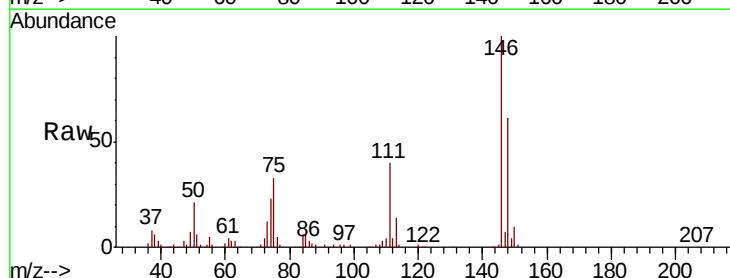
Tgt Ion:146 Resp: 121308

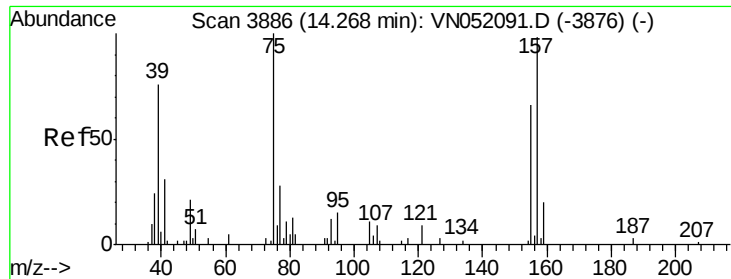
Ion Ratio Lower Upper

146 100

111 41.7 22.4 67.0

148 61.8 32.5 97.4

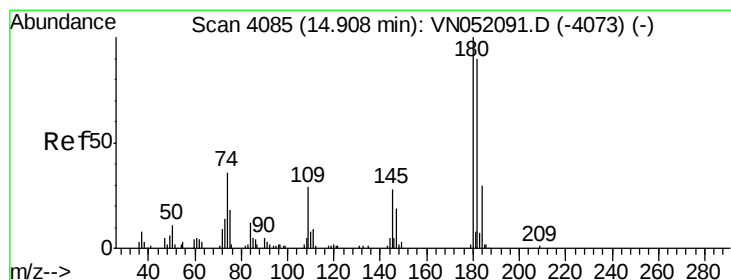
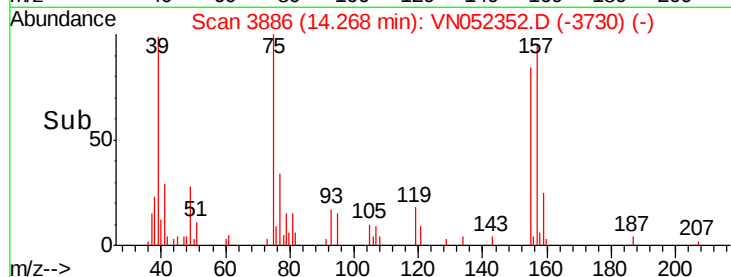
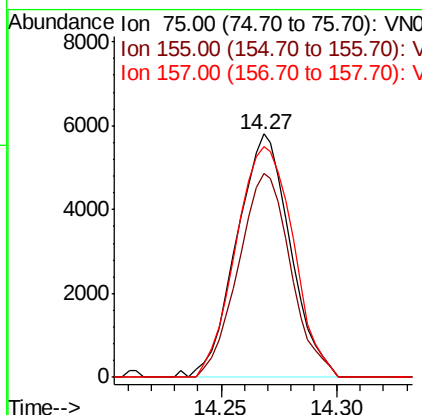
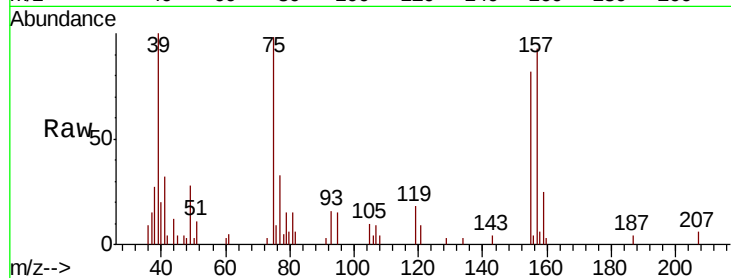




#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.154 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

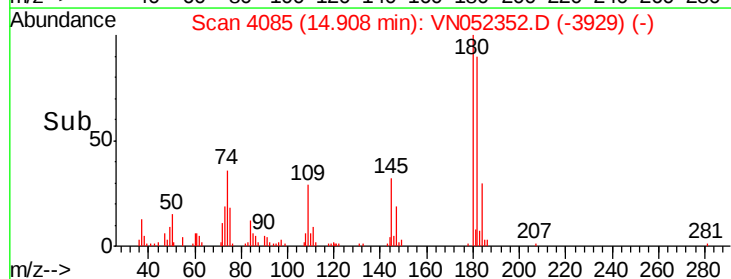
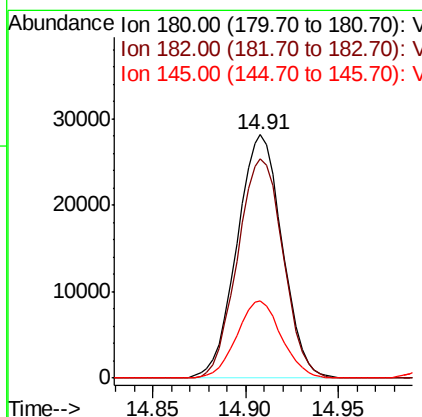
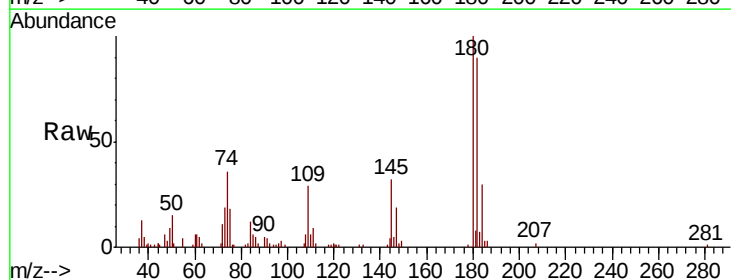
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

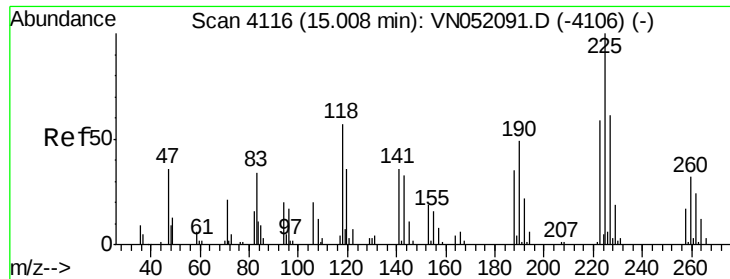
Tot Ion: 75 Resp: 9305
 Ion Ratio Lower Upper
 75 100
 155 81.8 56.7 85.1
 157 101.6 80.4 120.6



#89
 1,2,4-Trichlorobenzene
 Concen: 21.567 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Tgt Ion: 180 Resp: 47679
 Ion Ratio Lower Upper
 180 100
 182 90.8 74.0 111.0
 145 31.2 24.6 36.8





#90

Hexachlorobutadiene

Concen: 25.949 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

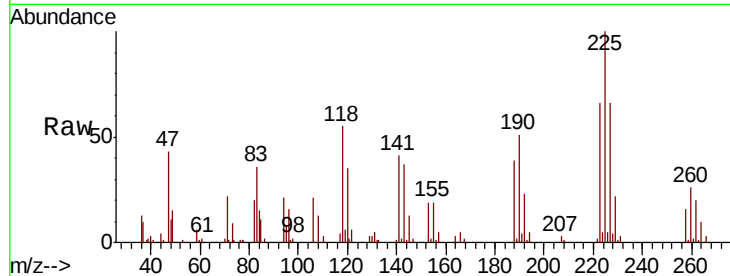
Tot Ion:225 Resp: 31385

Ion Ratio Lower Upper

225 100

223 63.7 0.0 121.2

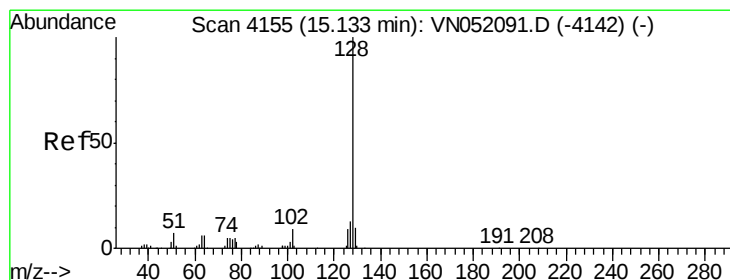
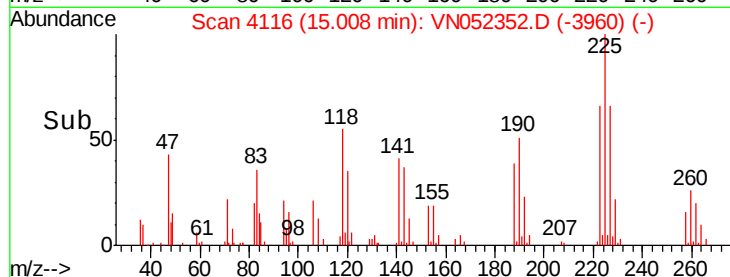
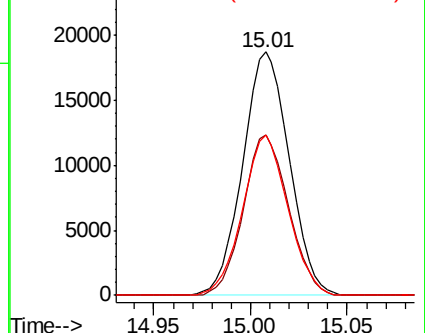
227 64.0 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 18.459 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052352.D

Acq: 16 Nov 2018 8:52

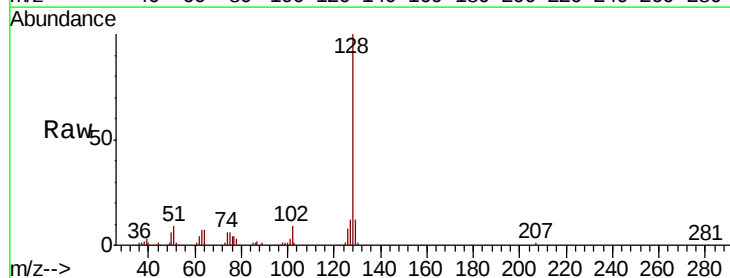
Tgt Ion:128 Resp: 94058

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

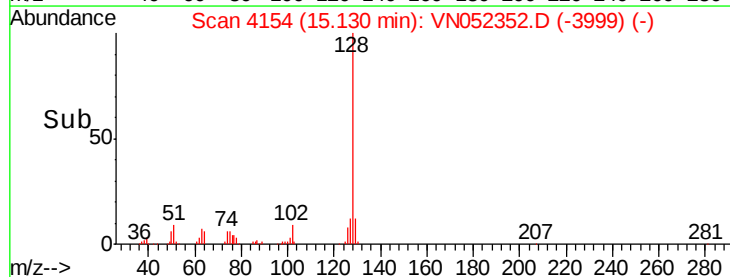
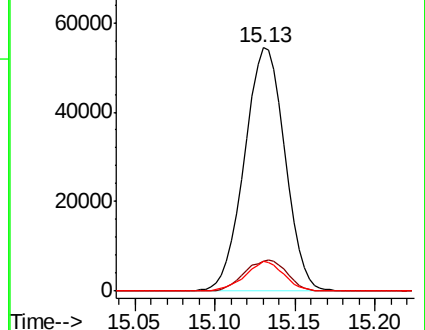
129 11.6 8.3 12.5

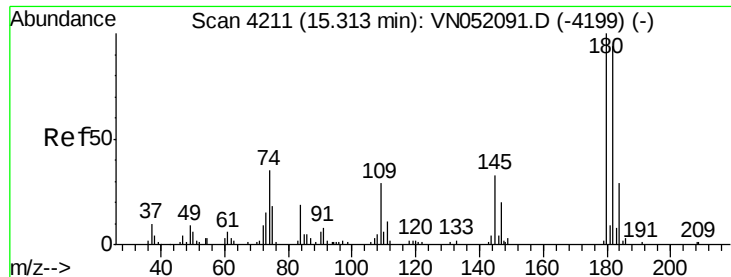


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 21.501 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN052352.D
 Acq: 16 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:180	Resp:	41427
Ion	Ratio	Lower Upper
180	100	
182	94.3	0.0 186.6
145	32.5	0.0 66.6

