

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052738.D
 Acq On : 7 Dec 2018 20:17
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 07 22:14:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	157257	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	905072	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	807491	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	314773	29.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.93%
60) 4-Bromofluorobenzene	12.40	95	376368	30.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.63%
63) Toluene-d8	10.09	98	1087132	29.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	152920	17.074	ug/l 100
3) Chloromethane	2.06	50	206112	17.352	ug/l 99
4) Vinyl Chloride	2.19	62	208363	17.380	ug/l 99
5) Bromomethane	2.58	94	73187	10.707	ug/l 96
6) Chloroethane	2.71	64	127842	17.932	ug/l 99
7) Trichlorofluoromethane	3.03	101	274762	18.571	ug/l 99
8) Diethyl Ether	3.41	74	110637	20.251	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	169077	18.027	ug/l 98
10) 1,1-Dichloroethene	3.74	96	167825	19.031	ug/l 100
11) Methyl Iodide	3.96	142	112349	9.176	ug/l 98
12) Methyl Acetate	4.33	43	164280	21.925	ug/l 99
13) Acrolein	3.61	56	22550	25.620	ug/l 93
14) Acrylonitrile	4.99	53	336979	105.551	ug/l 98
15) Acetone	3.81	58	81545	98.626	ug/l 95
16) Carbon Disulfide	4.06	76	476875	17.080	ug/l 100
17) Allyl chloride	4.33	41	285565	18.568	ug/l 99
18) Methylene Chloride	4.55	84	200694	19.655	ug/l 97
19) trans-1,2-Dichloroethene	5.05	96	179718	18.937	ug/l 94
20) Diisopropyl ether	5.95	45	622772	19.269	ug/l 97
21) 1,1-Dichloroethane	5.85	63	351494	19.082	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	210406	19.345	ug/l 97
23) tert-Butyl Alcohol	4.77	59	58553	123.288	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	492827	21.303	ug/l 97
25) Chloroform	7.37	83	339939	19.129	ug/l 97
26) Cyclohexane	7.65	56	308041	17.730	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	259084	18.745	ug/l 99
30) 2-Butanone	6.83	43	388236	104.975	ug/l 98
31) 2,2-Dichloropropane	6.83	77	238783	18.766	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	280602	19.511	ug/l 97
33) Carbon Tetrachloride	7.78	117	234968	18.673	ug/l 99
34) Benzene	8.04	78	800022	19.252	ug/l 99
35) Methacrylonitrile	7.17	41	74772	16.295	ug/l 96
36) 1,2-Dichloroethane	8.12	62	248386	19.725	ug/l 99
37) Trichloroethene	8.84	130	214006	20.309	ug/l 97
38) Methylcyclohexane	9.08	83	303271	17.725	ug/l 97
39) 1,2-Dichloropropane	9.12	63	216841	19.467	ug/l 96
40) Dibromomethane	9.21	93	125211	20.801	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	251274	18.894	ug/l	99
42) Vinyl Acetate	5.90	43	1839104	91.907	ug/l	99
43) Ethyl Acetate	6.93	43	171271	21.779	ug/l #	68
44) Isopropyl Acetate	8.16	43	321415	23.304	ug/l #	82
45) 1,4-Dioxane	9.20	88	32775	434.378	ug/l	95
46) Methyl methacrylate	9.20	41	156695	21.881	ug/l	97
47) n-amyl Acetate	12.07	43	279429	24.435	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	250598	19.434	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	297141	18.913	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	176266	20.658	ug/l	99
51) Ethyl methacrylate	10.43	69	236195	22.041	ug/l	97
52) 1,3-Dichloropropane	10.71	76	308615	20.320	ug/l	99
53) Dibromochloromethane	10.90	129	183358	19.519	ug/l	98
54) 1,2-Dibromoethane	11.01	107	176065	21.117	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	691171	110.184	ug/l	99
56) Bromoform	12.13	173	117179	19.084	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	871680	111.348	ug/l	99
59) 2-Hexanone	10.75	43	591457	110.600	ug/l	97
61) Tetrachloroethene	10.63	164	234476	23.577	ug/l	95
62) Toluene	10.16	91	853150	19.166	ug/l	99
64) Chlorobenzene	11.43	112	532629	19.603	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	184824	19.597	ug/l	99
66) Ethyl Benzene	11.51	91	916793	19.109	ug/l	99
67) m/p-Xylenes	11.62	106	695446	38.908	ug/l	99
68) o-Xylene	11.95	106	342431	19.739	ug/l	98
69) Styrene	11.97	104	554007	19.785	ug/l	100
70) Isopropylbenzene	12.25	105	904171	19.588	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	206356	20.552	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	269264	31.239	ug/l	45
73) Bromobenzene	12.53	156	233245	20.893	ug/l	96
74) n-propylbenzene	12.59	91	1043072	19.395	ug/l	99
75) 2-Chlorotoluene	12.68	91	613431	19.650	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	742075	19.904	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	54256	19.926	ug/l	99
78) 4-Chlorotoluene	12.77	91	621965	19.951	ug/l	99
79) tert-butylbenzene	12.99	119	651233	20.057	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	750361	20.114	ug/l	99
81) sec-Butylbenzene	13.17	105	890504	19.691	ug/l	99
82) p-Isopropyltoluene	13.29	119	766902	19.915	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	409475	20.855	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	404929	21.346	ug/l	98
85) n-Butylbenzene	13.62	91	657814	19.886	ug/l	99
86) Hexachloroethane	13.88	117	110265	16.899	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	400630	21.442	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33427	23.766	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	243216	26.421	ug/l	99
90) Hexachlorobutadiene	15.01	225	127503	21.114	ug/l	99
91) Naphthalene	15.13	128	548323	29.497	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	226706	26.724	ug/l	97

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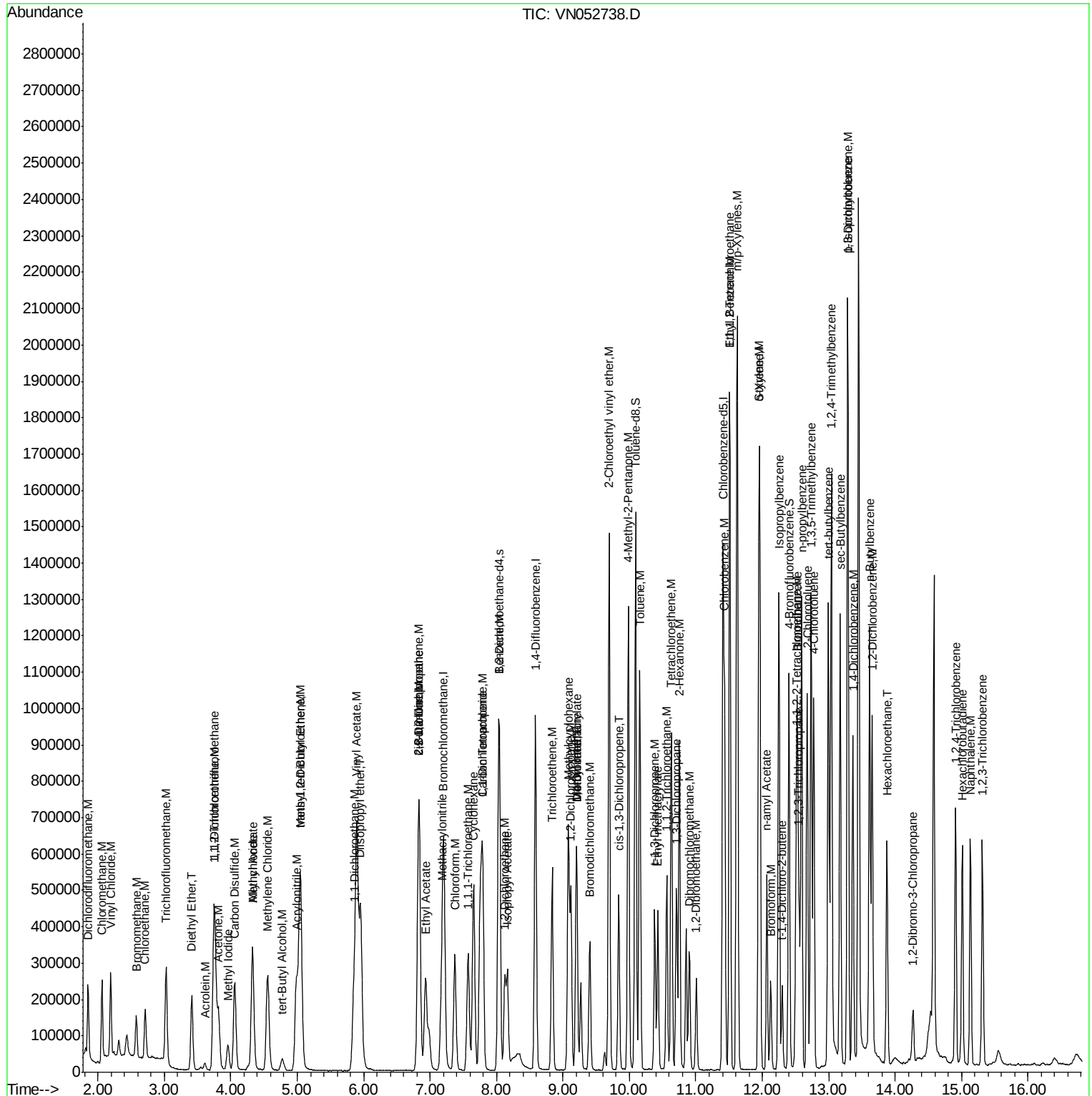
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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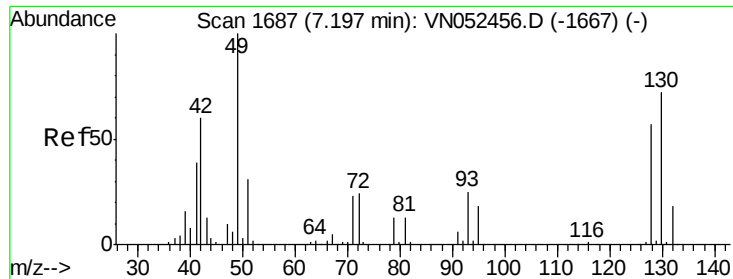
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120718\
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Quant Time: Dec 07 22:14:39 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

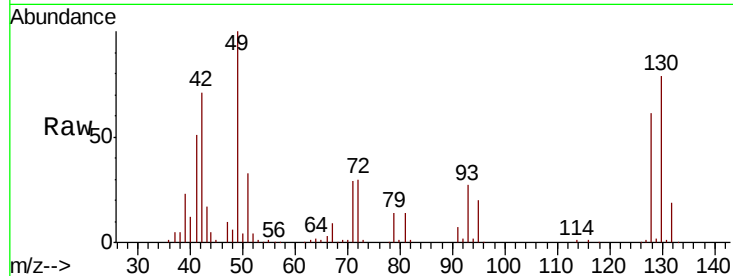
Delta R.T. -0.00 min

Lab File: VN052738.D

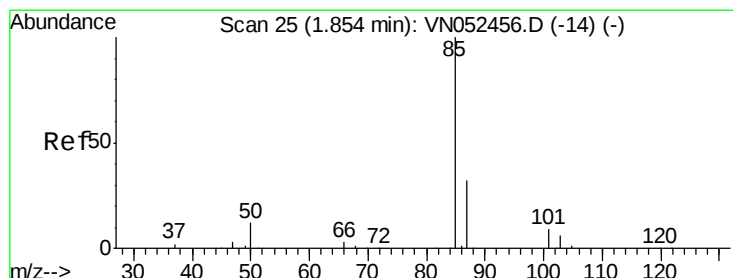
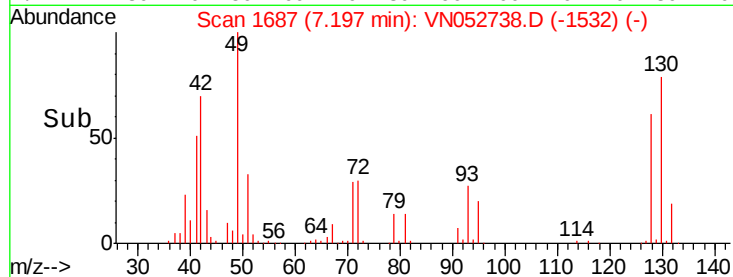
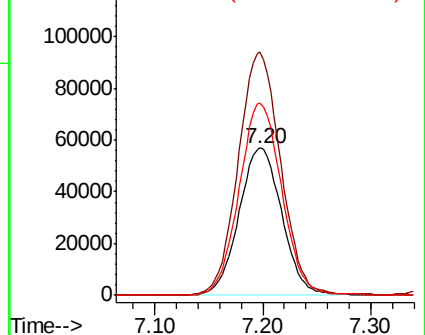
Acq: 7 Dec 2018 20:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	128	Resp:	157257
Ion	Ratio	Lower	Upper
128	100		
49	163.5	0.0	431.8
130	130.1	0.0	317.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.074 ug/l

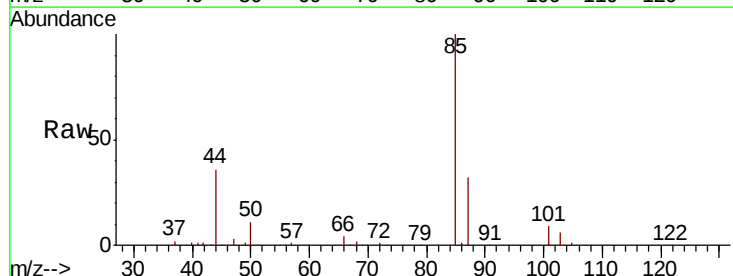
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

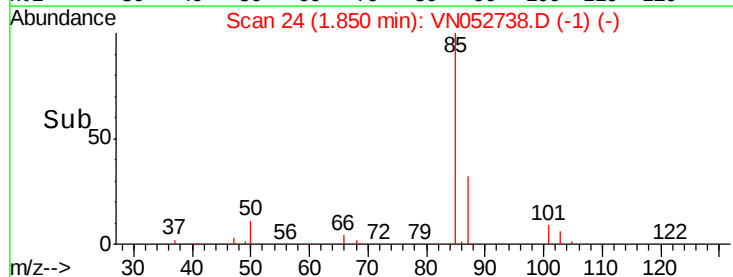
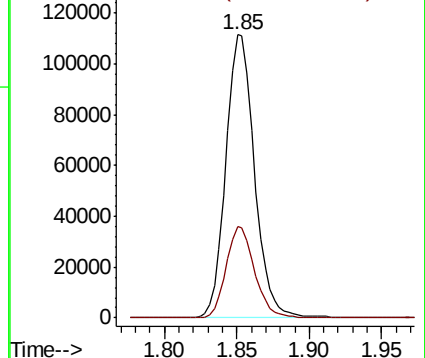
Lab File: VN052738.D

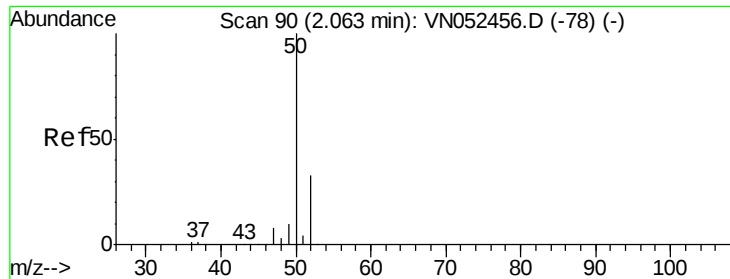
Acq: 7 Dec 2018 20:17

Tgt Ion:	85	Resp:	152920
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 17.352 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

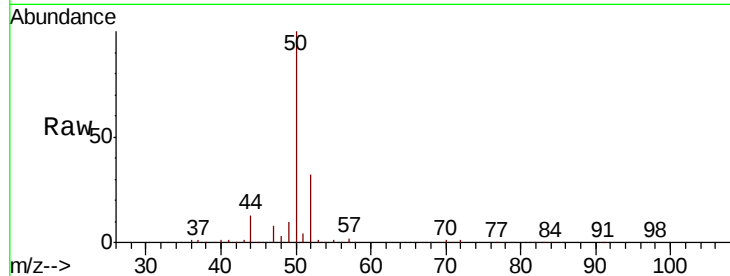
VSTDCCC020EC

Tot Ion: 50 Resp: 206112

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

2.06

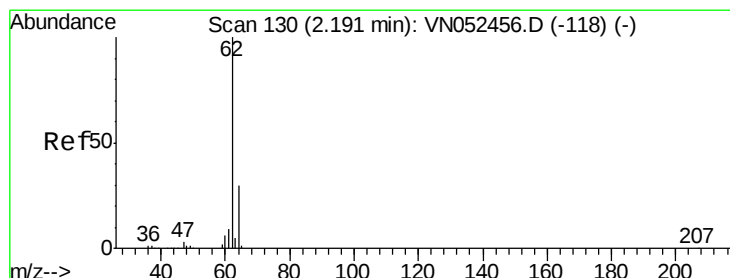
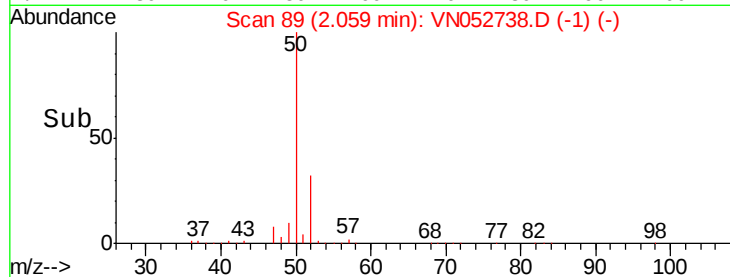
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 17.380 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052738.D

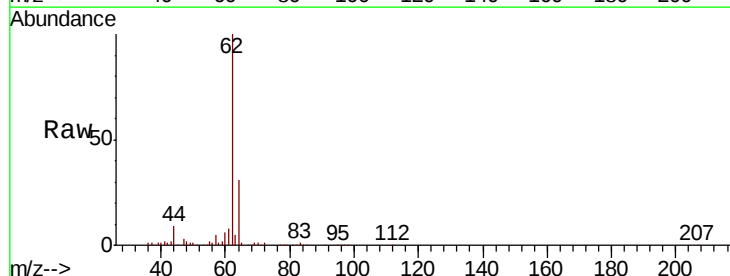
Acq: 7 Dec 2018 20:17

Tgt Ion: 62 Resp: 208363

Ion Ratio Lower Upper

62 100

64 31.1 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.19

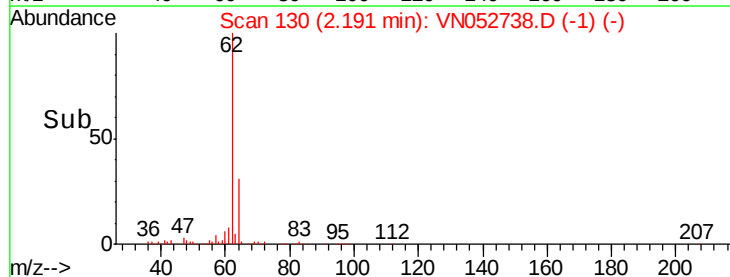
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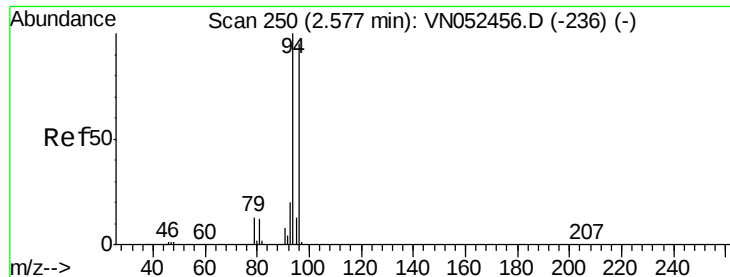
100000

50000

0

Time-->





#5

Bromomethane

Concen: 10.707 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

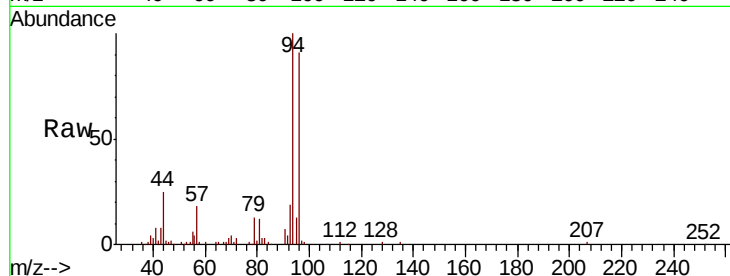
VSTDCCC020EC

Tot Ion: 94 Resp: 73187

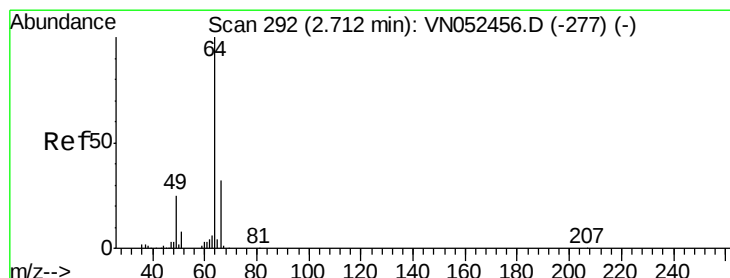
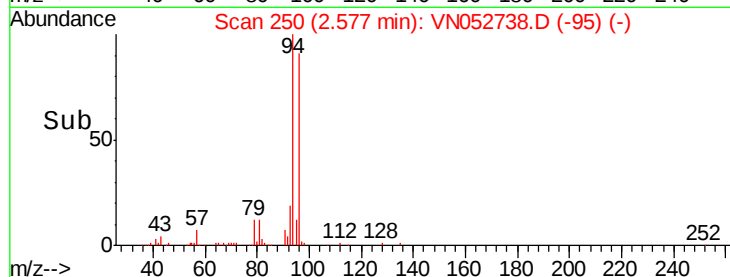
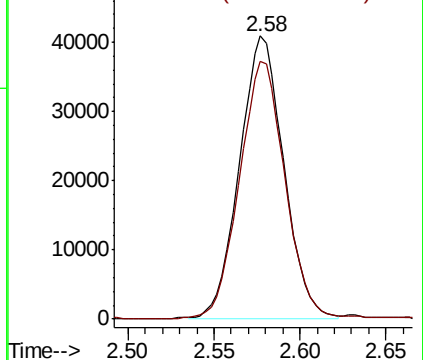
Ion Ratio Lower Upper

94 100

96 90.9 76.2 114.2



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



#6

Chloroethane

Concen: 17.932 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052738.D

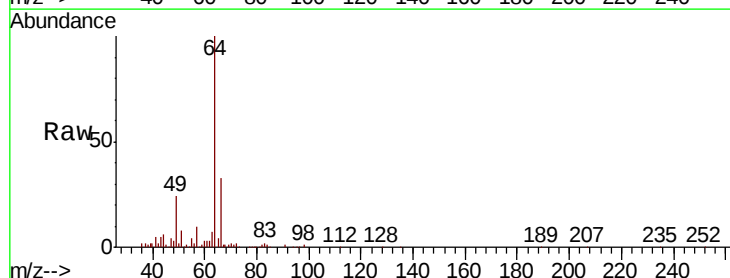
Acq: 7 Dec 2018 20:17

Tgt Ion: 64 Resp: 127842

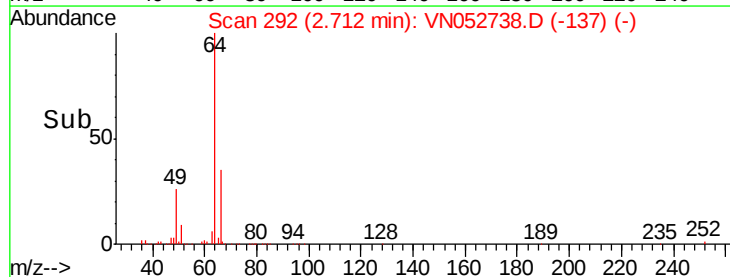
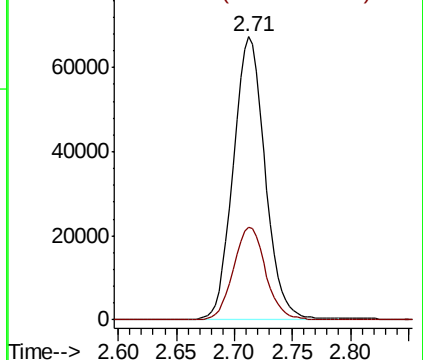
Ion Ratio Lower Upper

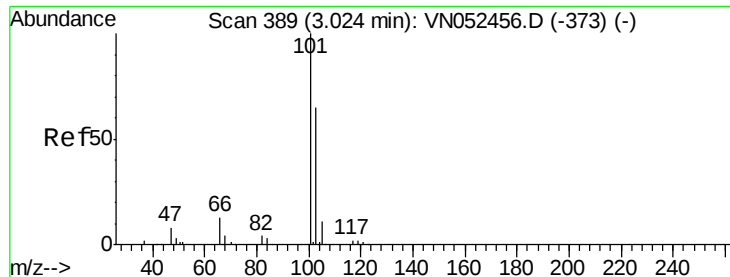
64 100

66 32.5 25.6 38.4



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



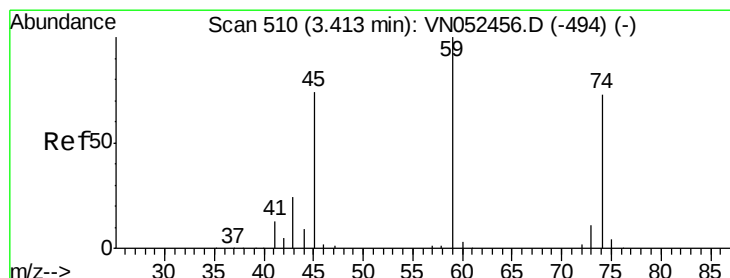
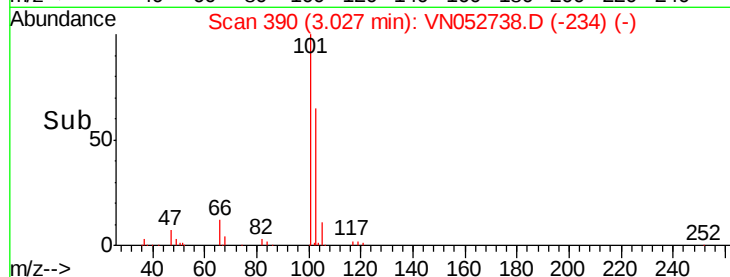
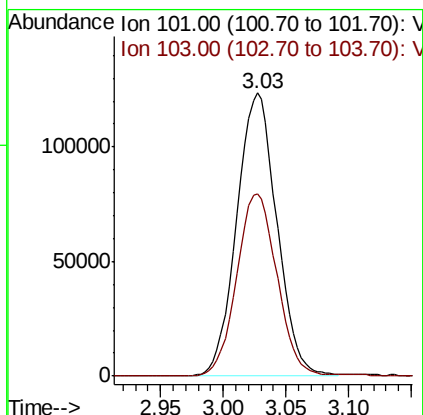
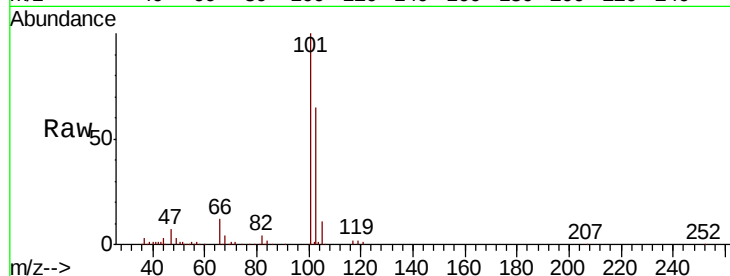


#7

Trichlorofluoromethane
 Concen: 18.571 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Instrument :
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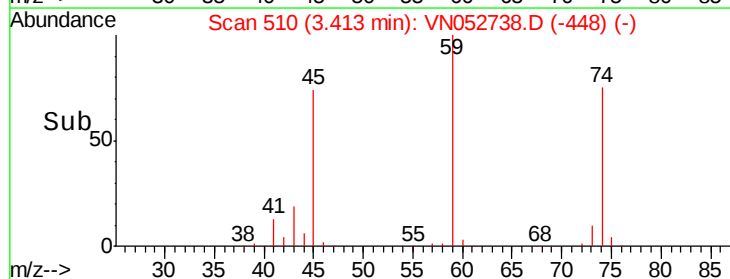
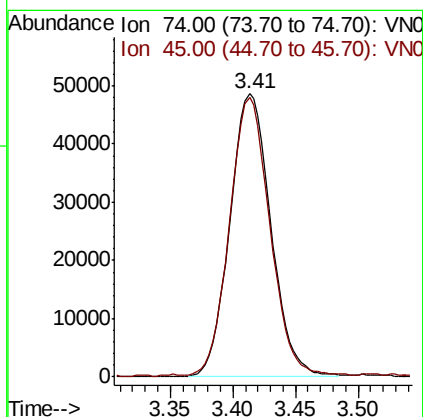
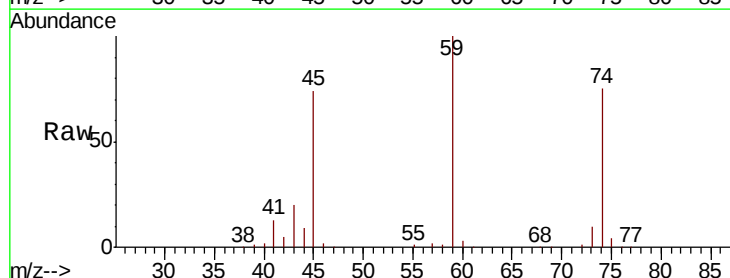
Tot Ion:101 Resp: 274762
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1

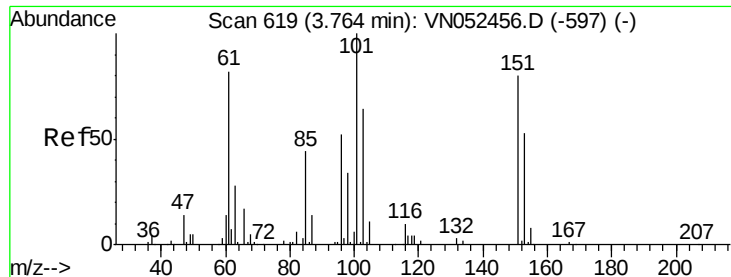


#8

Diethyl Ether
 Concen: 20.251 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion: 74 Resp: 110637
 Ion Ratio Lower Upper
 74 100
 45 96.4 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.027 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

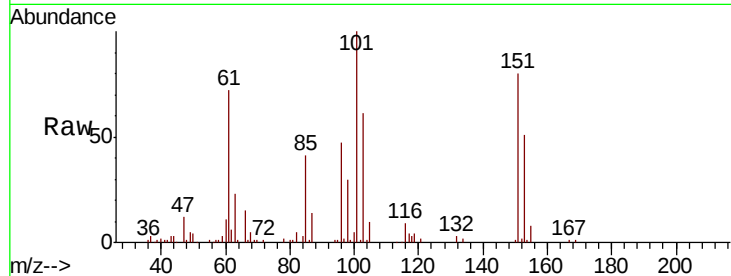
Tot Ion:101 Resp: 169077

Ion Ratio Lower Upper

101 100

85 42.2 0.0 82.6

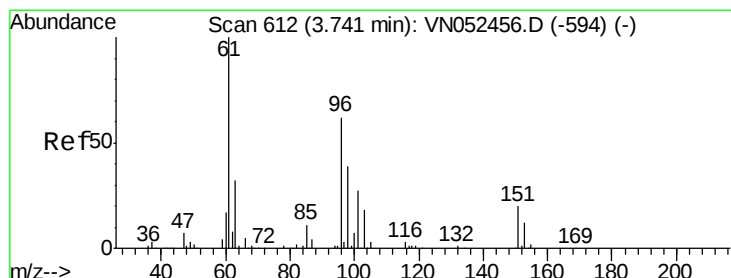
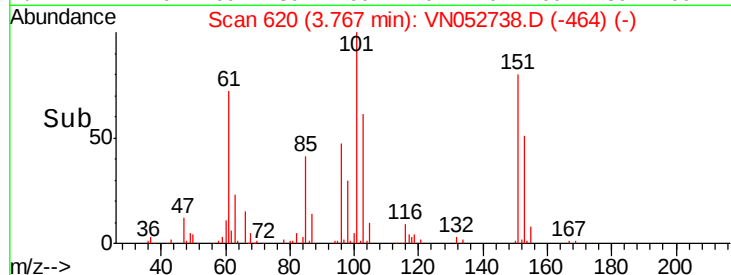
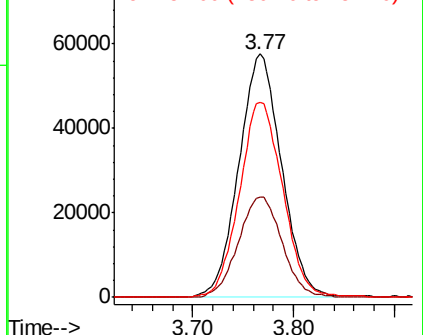
151 81.6 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.031 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

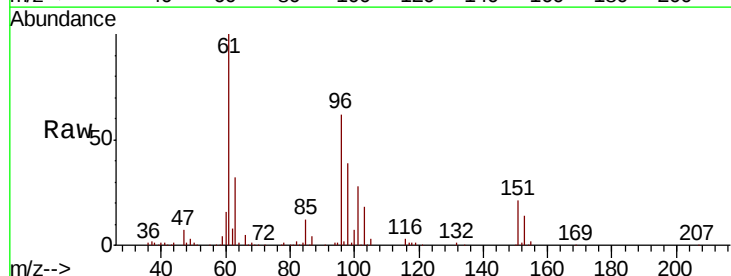
Tgt Ion: 96 Resp: 167825

Ion Ratio Lower Upper

96 100

61 162.2 129.4 194.2

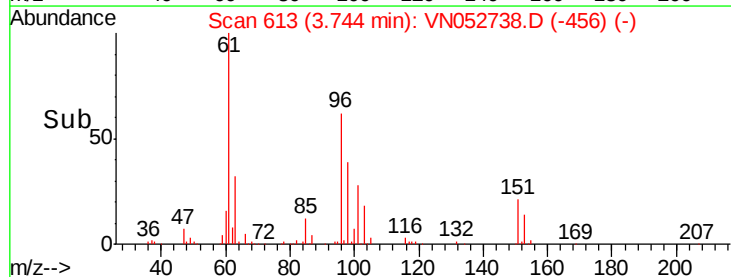
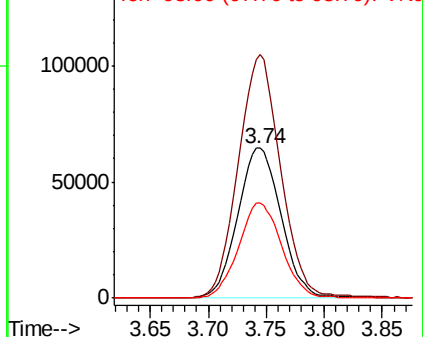
98 63.7 50.4 75.6

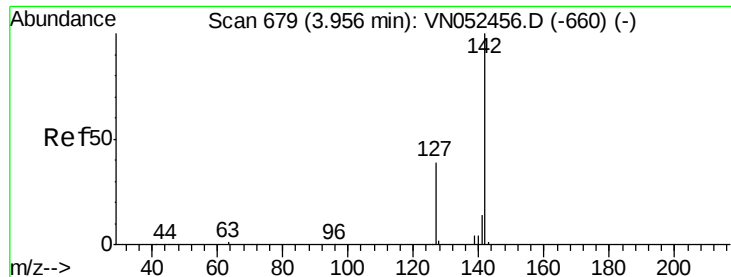


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

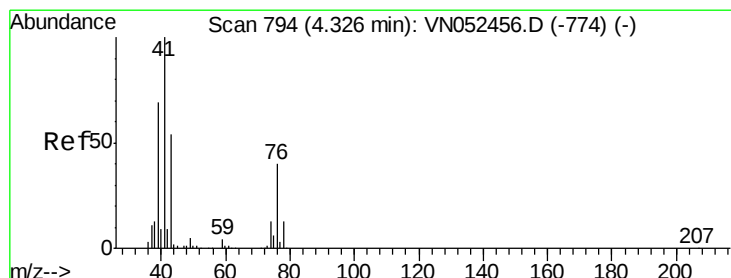
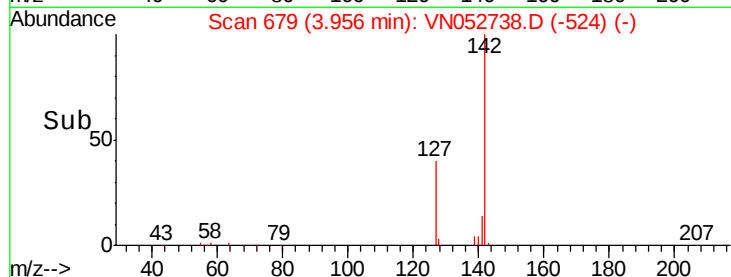
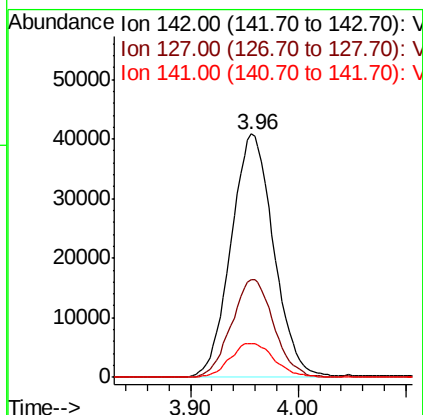
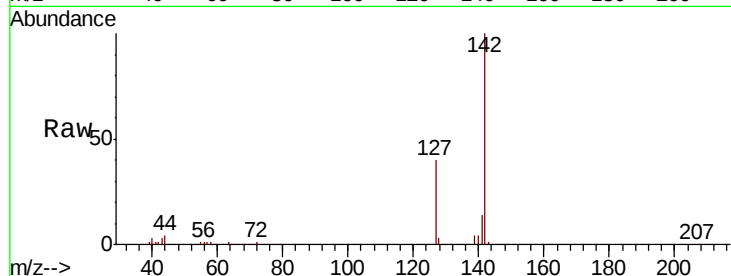




#11
Methyl Iodide
Concen: 9.176 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

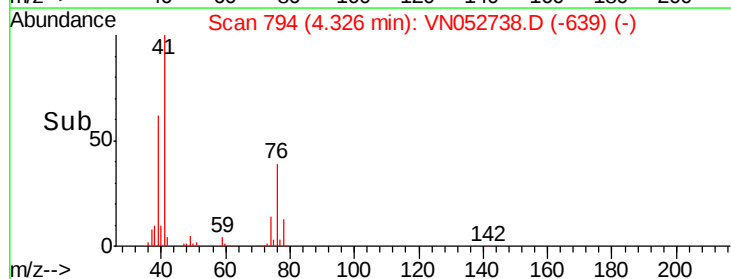
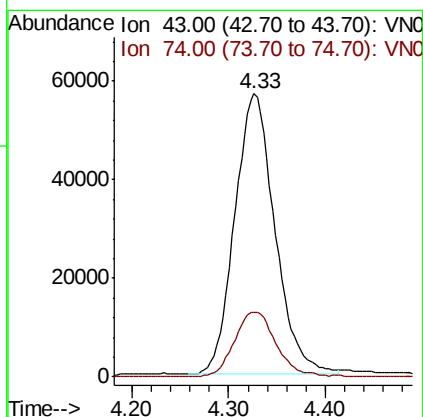
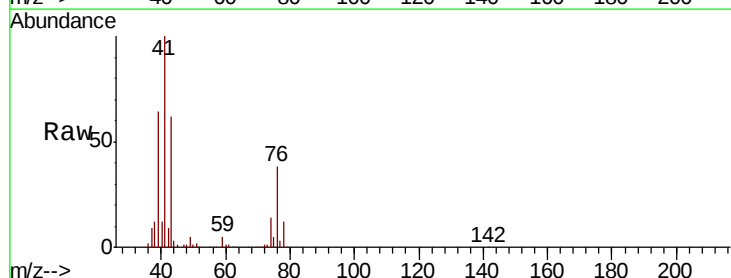
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

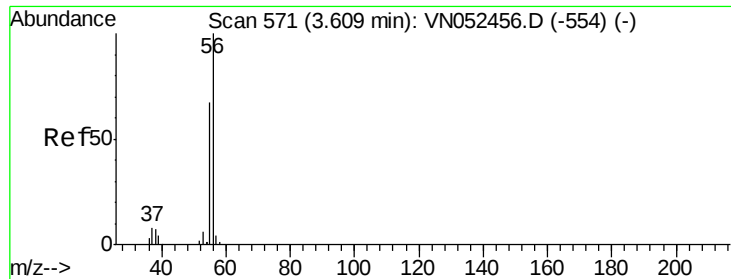
Tot Ion:142 Resp: 112349
Ion Ratio Lower Upper
142 100
127 40.1 19.4 58.1
141 14.0 7.2 21.6



#12
Methyl Acetate
Concen: 21.925 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 43 Resp: 164280
Ion Ratio Lower Upper
43 100
74 23.0 18.9 28.3





#13

Acrolein

Concen: 25.620 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

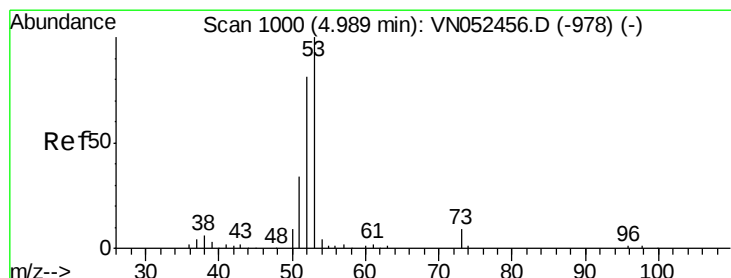
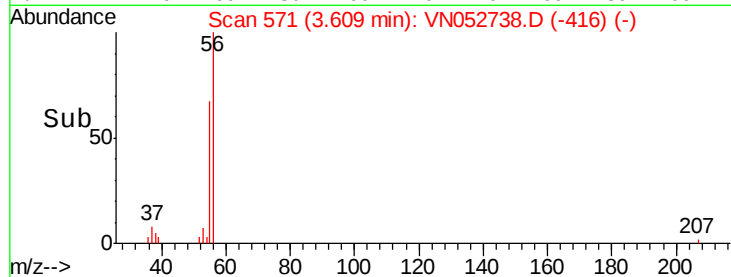
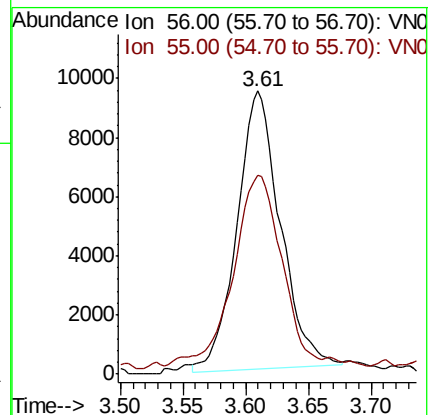
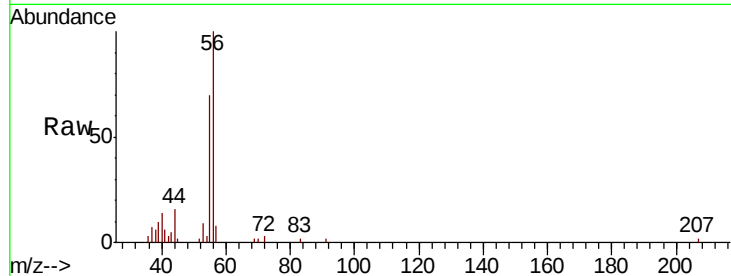
VSTDCCC020EC

Tot Ion: 56 Resp: 22550

Ion Ratio Lower Upper

56 100

55 76.4 56.7 85.1



#14

Acrylonitrile

Concen: 105.551 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

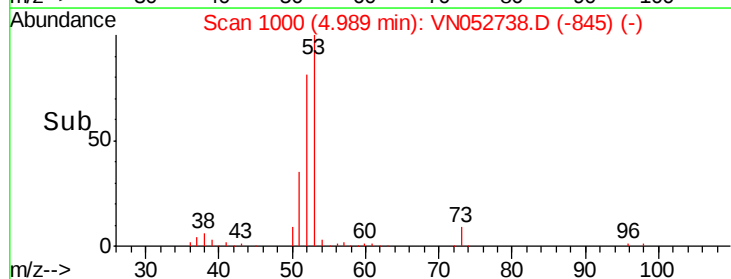
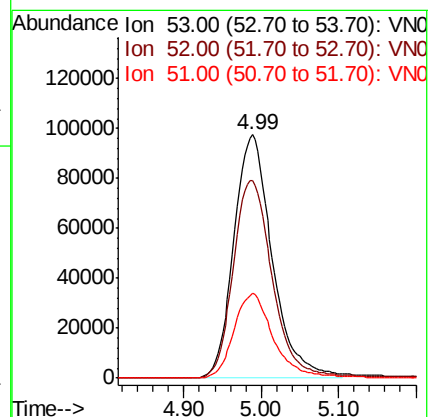
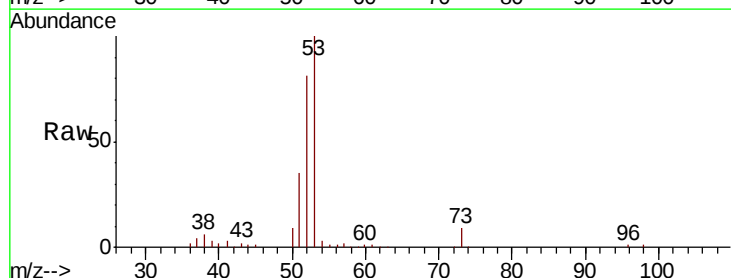
Tgt Ion: 53 Resp: 336979

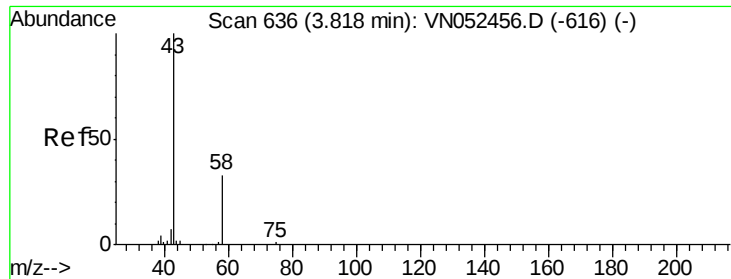
Ion Ratio Lower Upper

53 100

52 82.4 39.9 119.7

51 35.3 17.6 52.9





#15

Acetone

Concen: 98.626 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

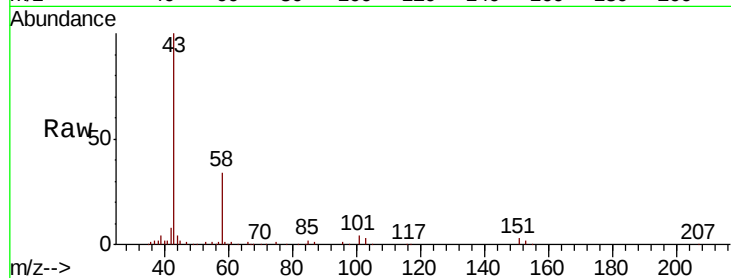
VSTDCCC020EC

Tot Ion: 58 Resp: 81545

Ion Ratio Lower Upper

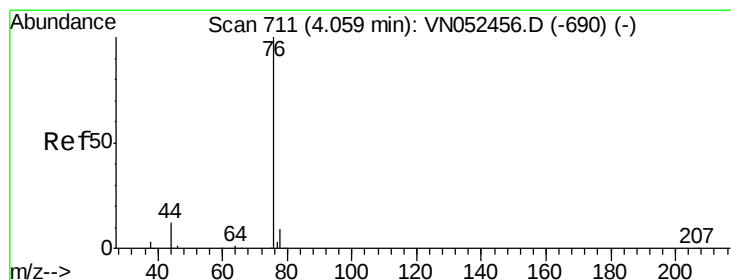
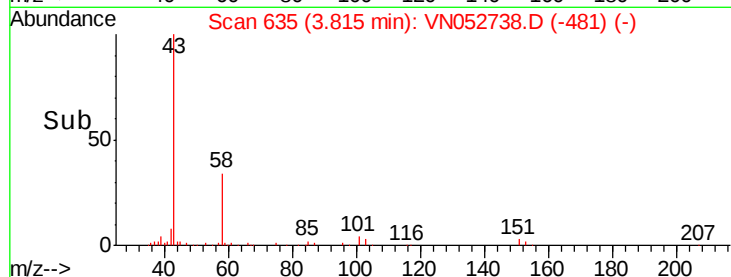
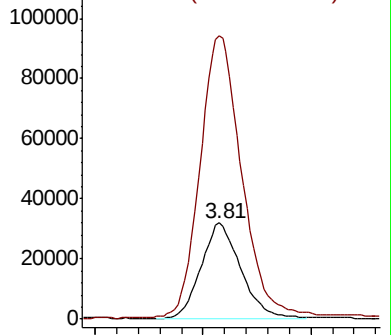
58 100

43 293.7 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052738.D (-555) (-)

Ion 43.00 (42.70 to 43.70): VN052738.D (-481) (-)



#16

Carbon Disulfide

Concen: 17.080 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052738.D

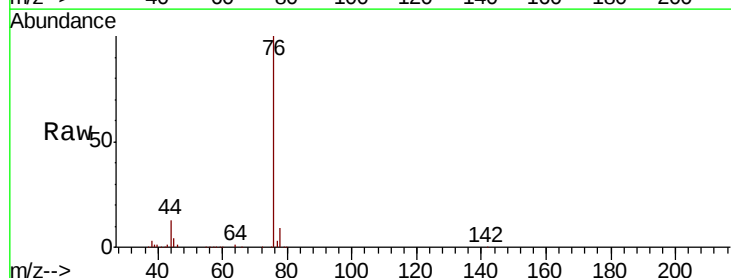
Acq: 7 Dec 2018 20:17

Tgt Ion: 76 Resp: 476875

Ion Ratio Lower Upper

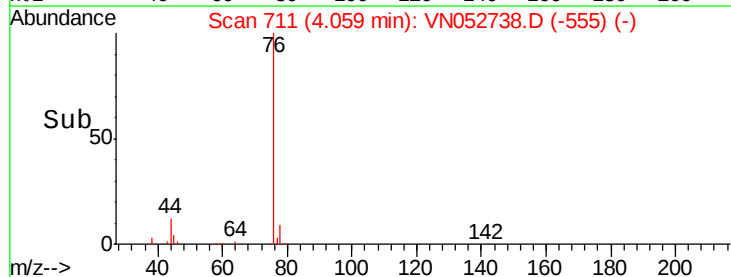
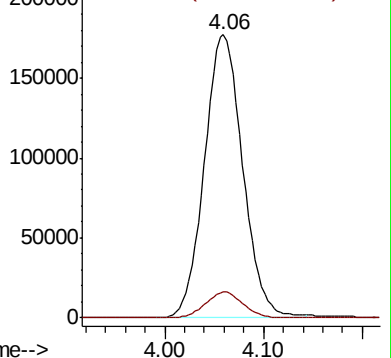
76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052738.D (-555) (-)

Ion 78.00 (77.70 to 78.70): VN052738.D (-555) (-)

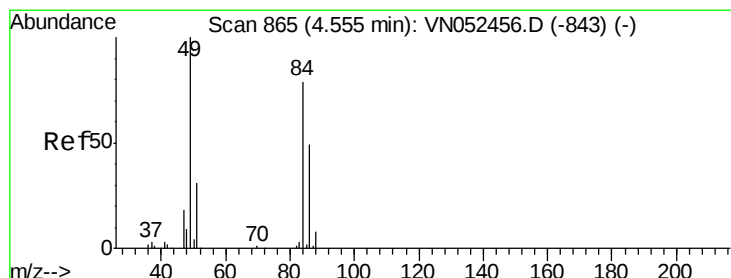
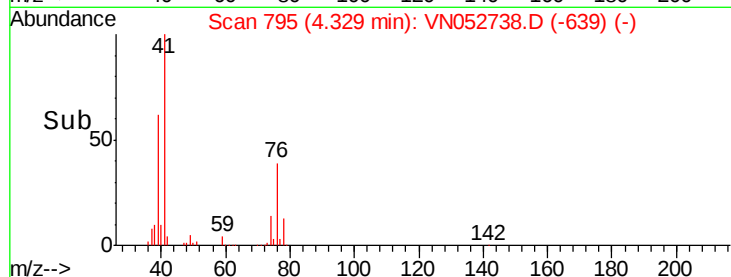
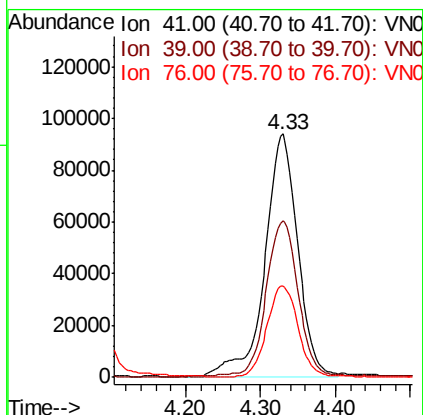
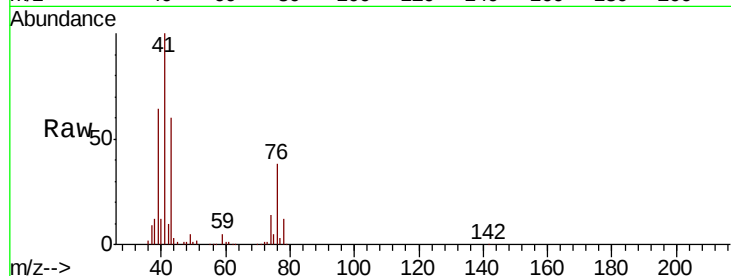




#17
Allvl chloride
Concen: 18.568 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

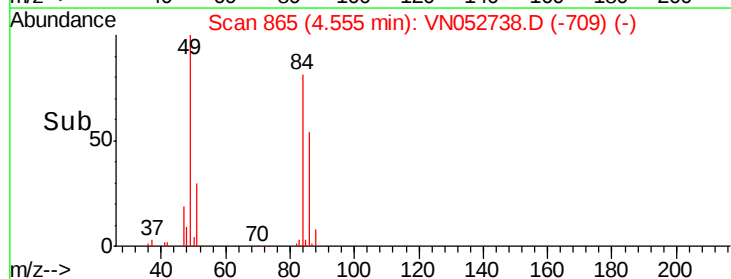
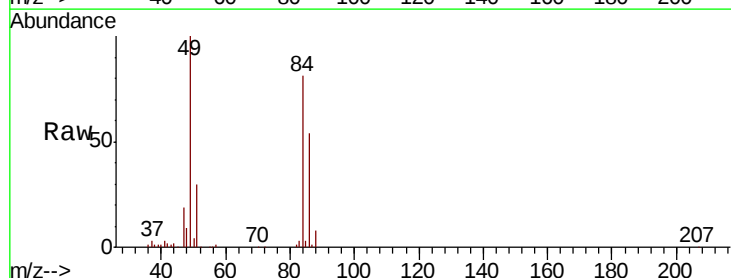
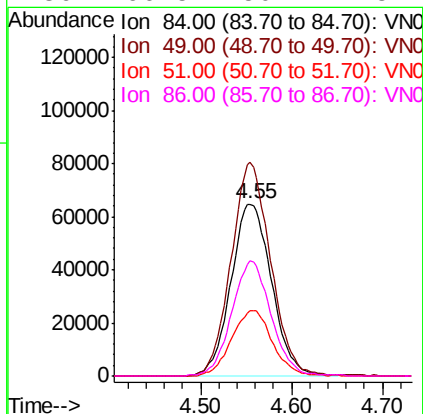
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

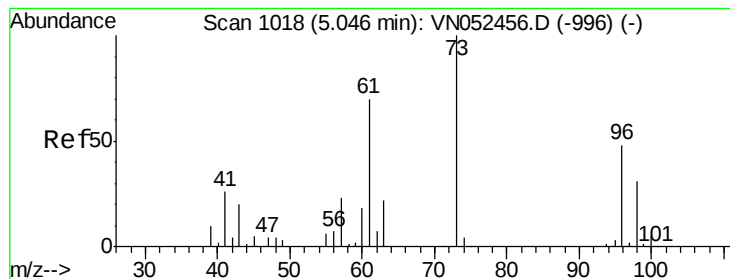
Tot Ion: 41 Resp: 285565
Ion Ratio Lower Upper
41 100
39 63.9 32.8 98.3
76 37.3 18.6 55.8



#18
Methylene Chloride
Concen: 19.655 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 84 Resp: 200694
Ion Ratio Lower Upper
84 100
49 123.8 101.4 152.0
51 37.7 31.7 47.5
86 66.5 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 18.937 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

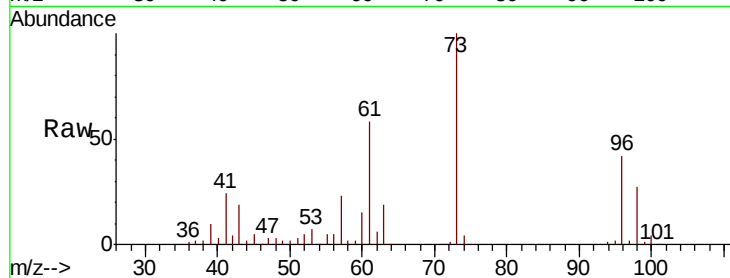
Tot Ion: 96 Resp: 179718

Ion Ratio Lower Upper

96 100

61 136.5 118.2 177.4

98 63.9 51.4 77.2

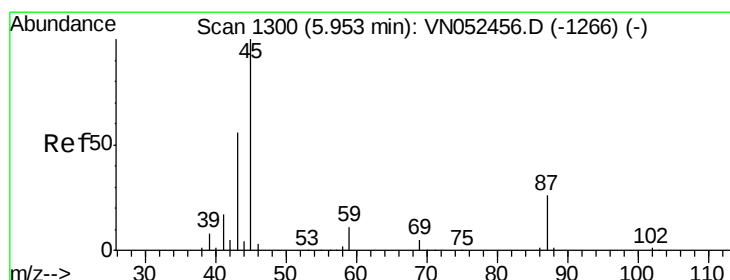
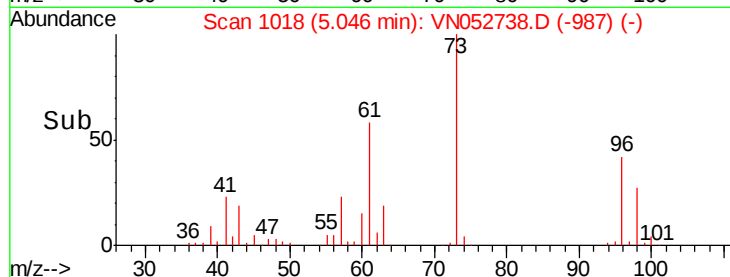
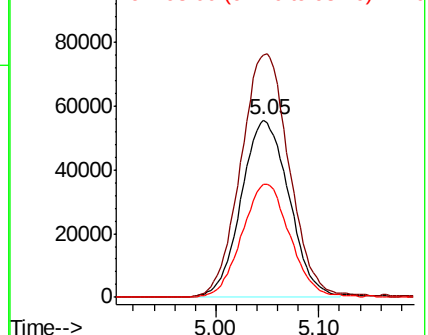


Abundance

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: 19.269 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Tgt Ion: 45 Resp: 622772

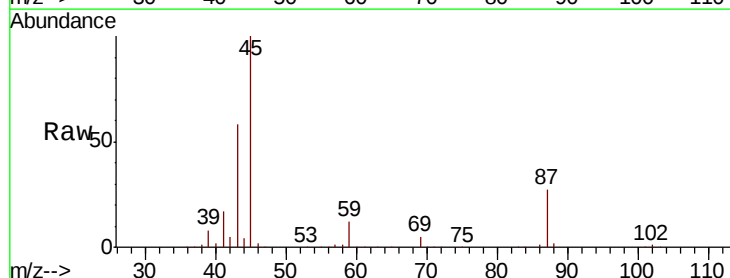
Ion Ratio Lower Upper

45 100

43 56.0 47.8 71.8

87 26.8 21.3 31.9

59 11.7 8.9 13.3



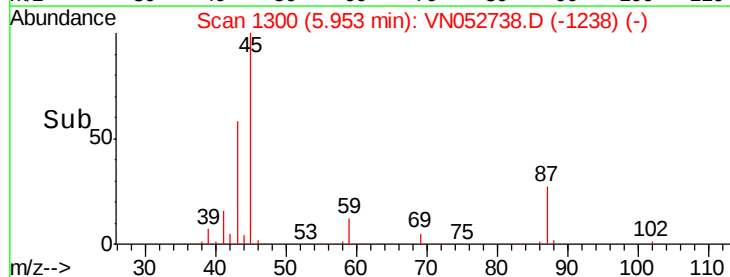
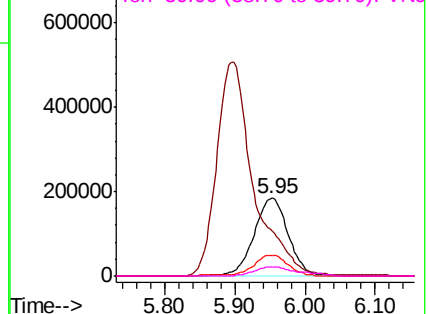
Abundance

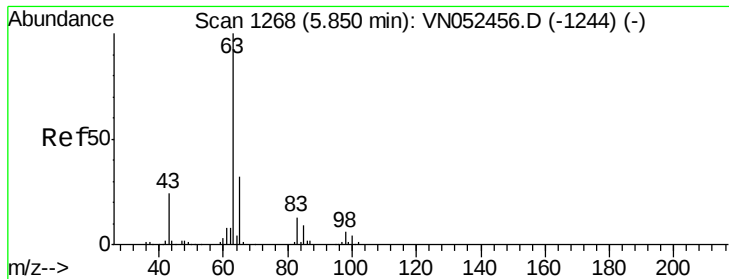
Ion 45.00 (44.70 to 45.70): VN0

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

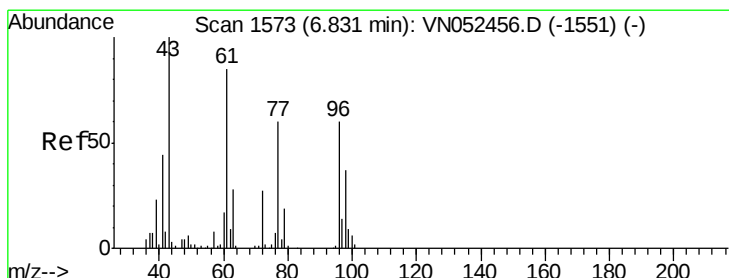
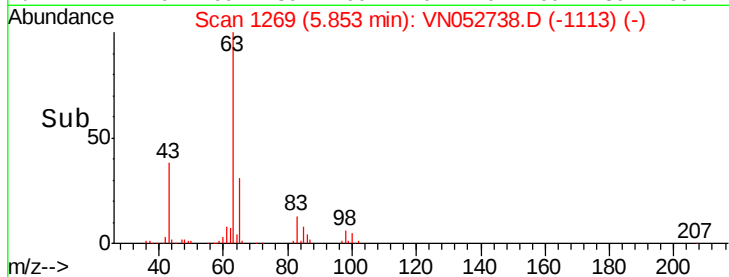
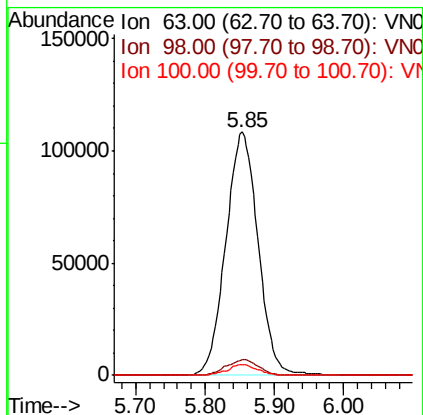
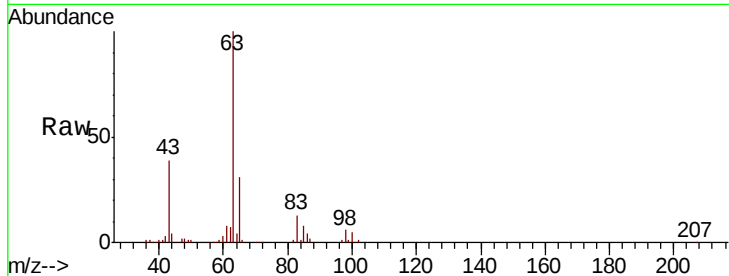




#21
 1,1-Dichloroethane
 Concen: 19.082 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

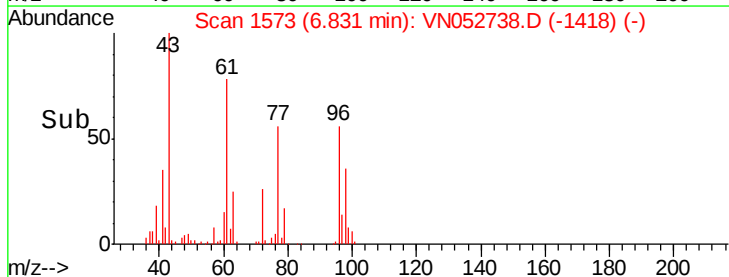
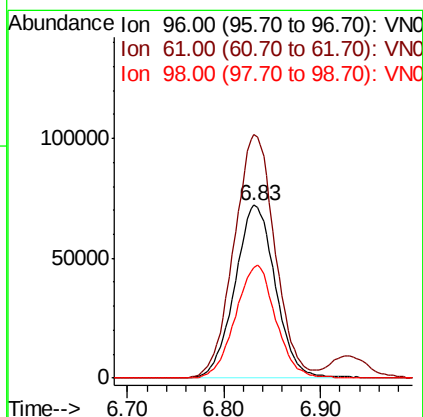
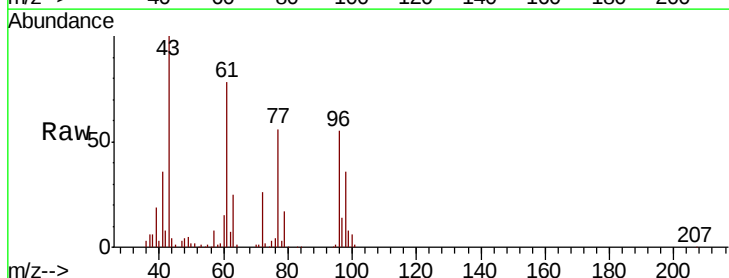
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

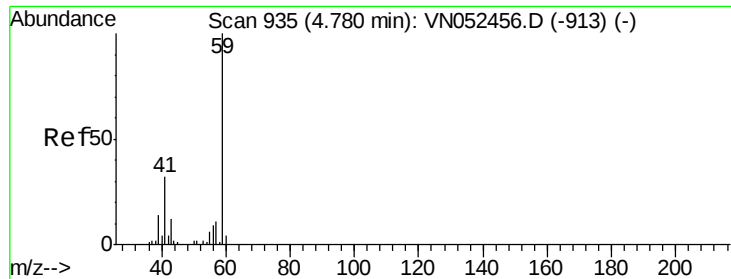
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.0	9.2
100	4.5	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.345 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.2	116.7	175.1
98	64.8	50.8	76.2



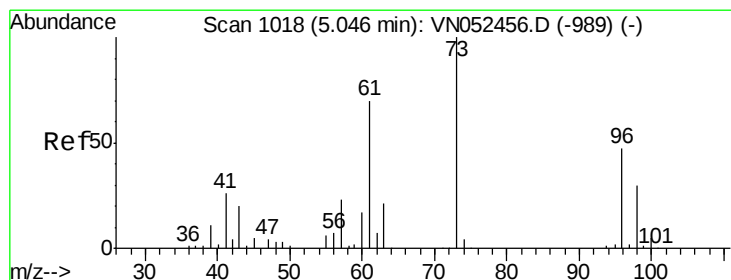
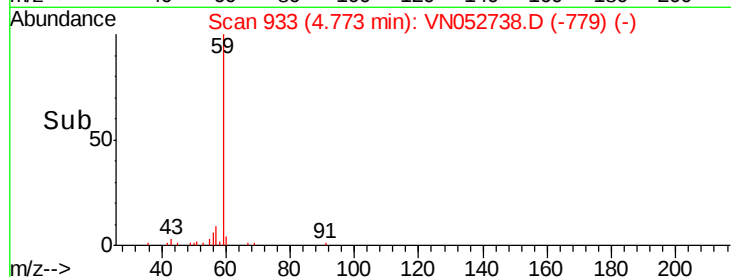
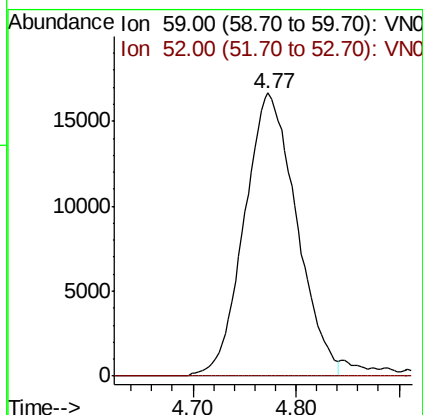
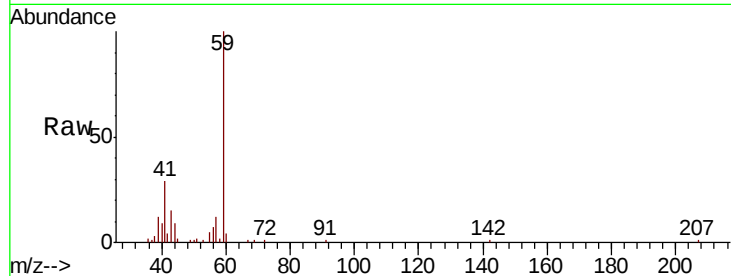


#23

tert-Butyl Alcohol
 Concen: 123.288 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

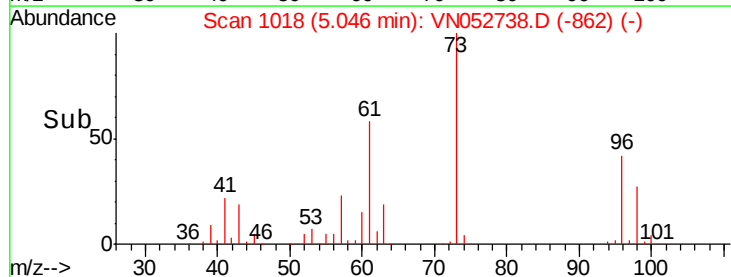
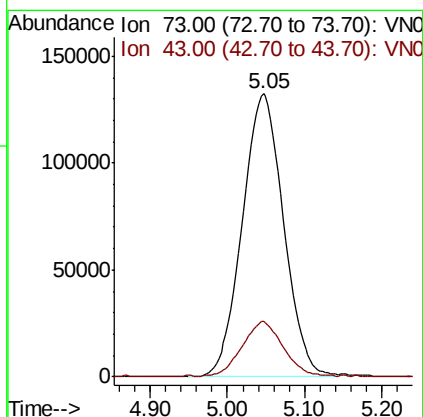
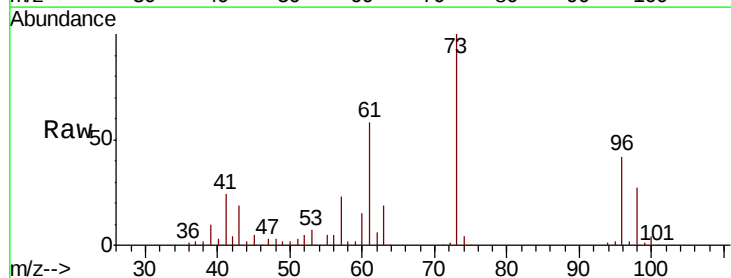
Tot Ion: 59 Resp: 58553
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

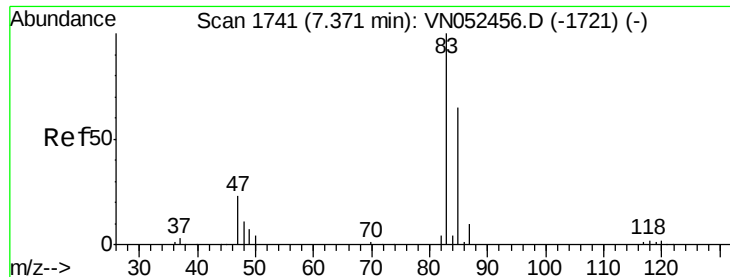


#24

Methyl tert-Butyl Ether
 Concen: 21.303 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion: 73 Resp: 492827
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.8 23.8

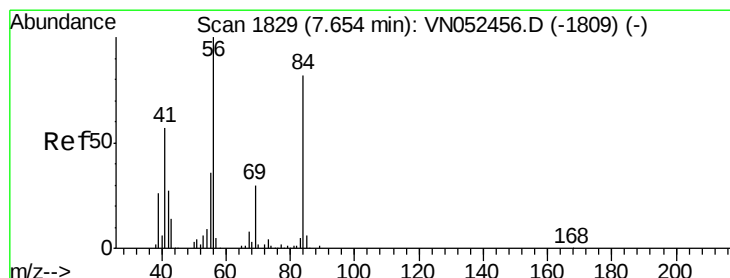
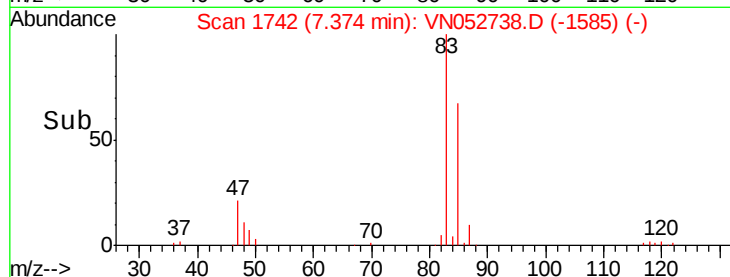
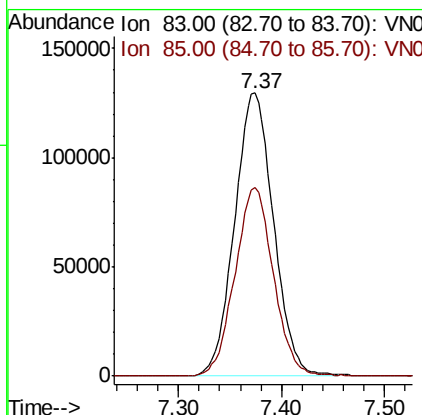
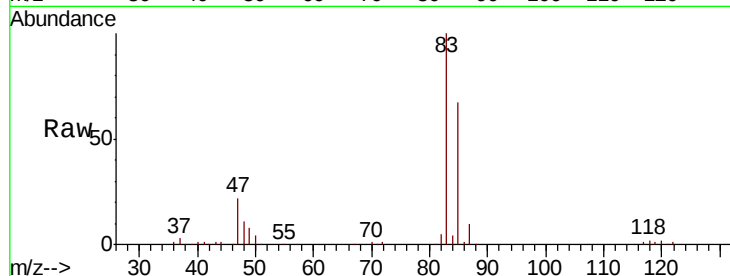




#25
Chloroform
Concen: 19.129 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

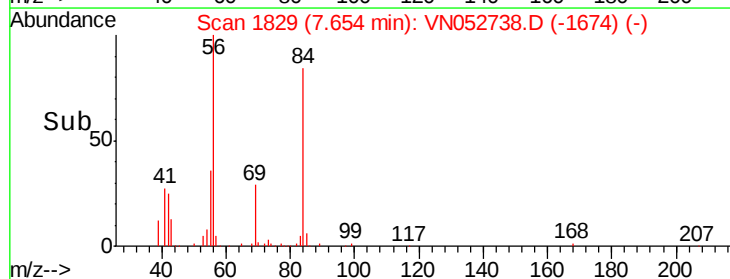
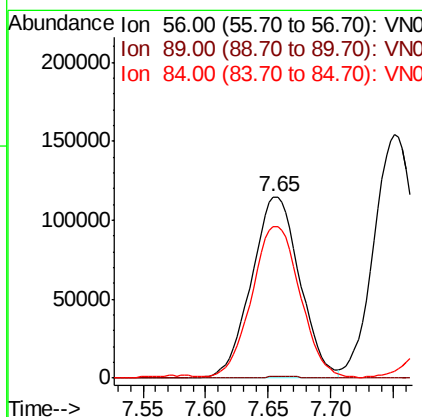
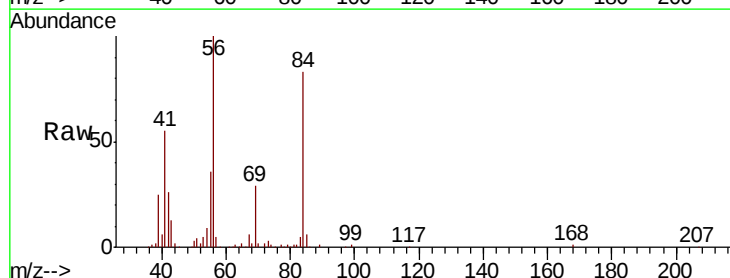
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

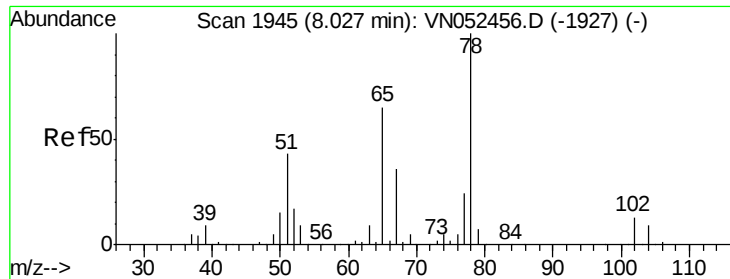
Tot Ion: 83 Resp: 339939
Ion Ratio Lower Upper
83 100
85 66.6 51.7 77.5



#26
Cyclohexane
Concen: 17.730 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 56 Resp: 308041
Ion Ratio Lower Upper
56 100
89 0.1 0.5 0.7#
84 83.0 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 17.730 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

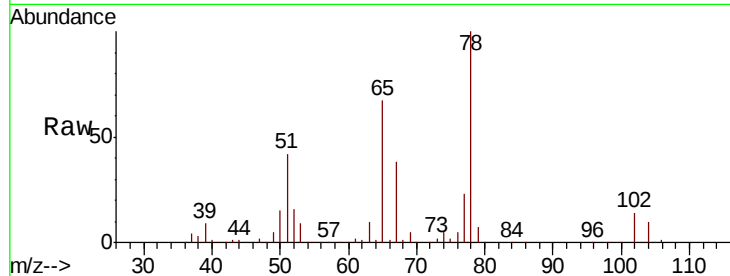
VSTDCCC020EC

Tot Ion: 65 Resp: 314773

Ion Ratio Lower Upper

65 100

67 55.5 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052738.D (-1790) (-)

Ion 67.00 (66.70 to 67.70): VN052738.D (-1790) (-)

8.03

150000

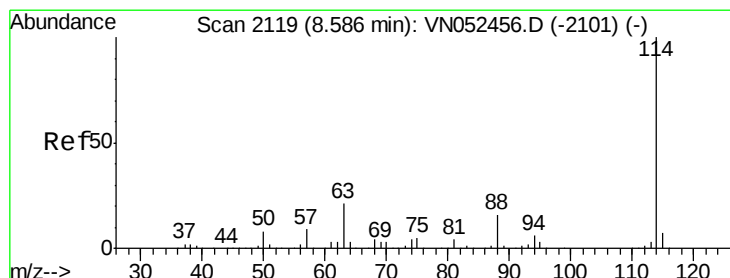
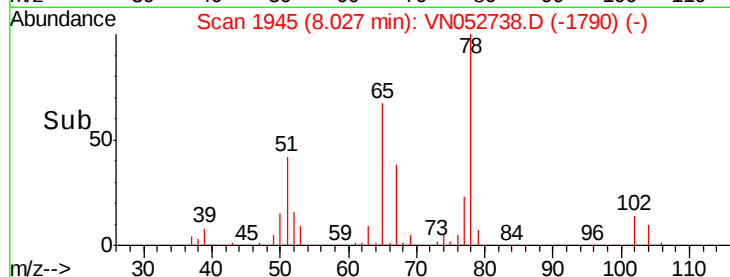
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

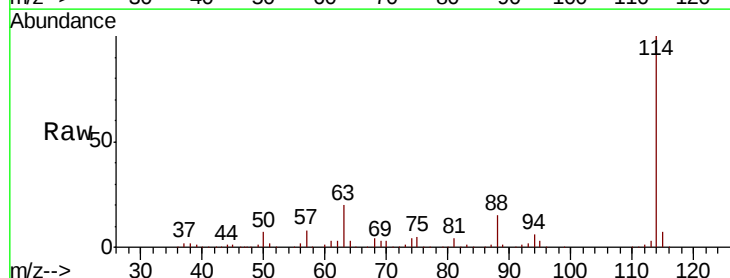
Tgt Ion: 114 Resp: 905072

Ion Ratio Lower Upper

114 100

63 19.9 16.9 25.3

88 15.2 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052738.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN052738.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN052738.D (-1963) (-)

8.59

600000

500000

400000

300000

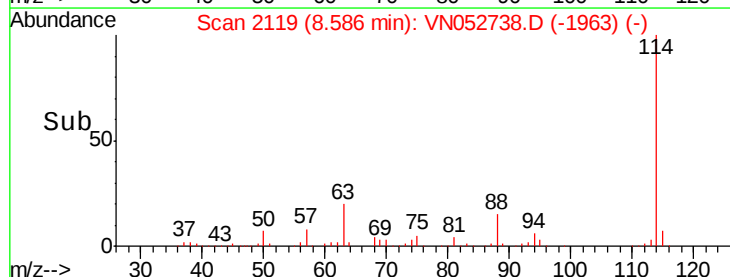
200000

100000

0

8.50 8.60 8.70

Time-->

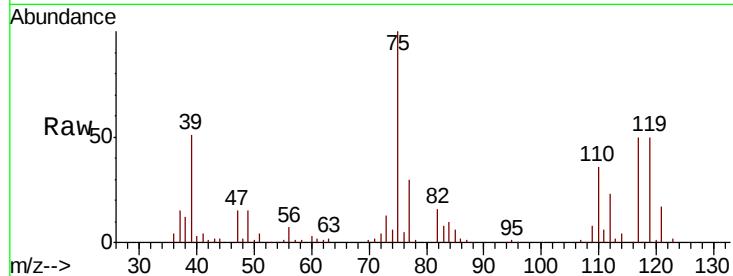




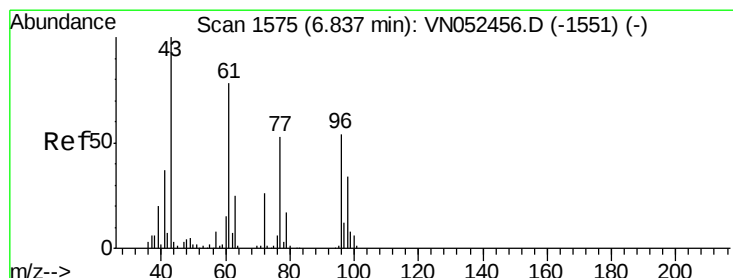
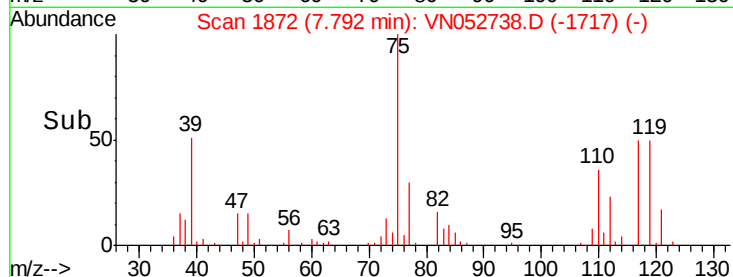
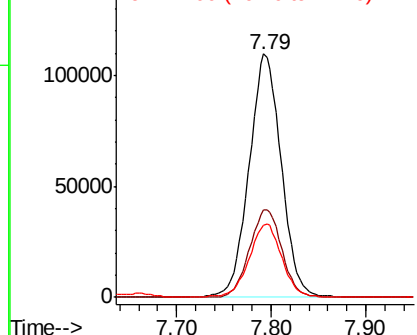
#29
 1,1-Dichloropropene
 Concen: 18.745 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 75 Resp: 259084
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 70.2
 77 30.8 0.0 62.6

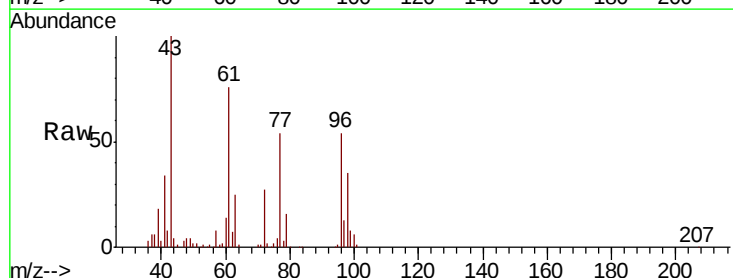


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VN0

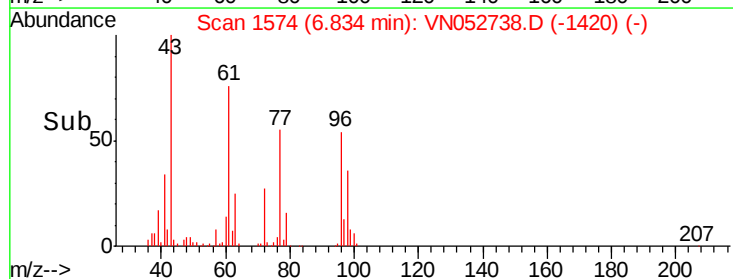
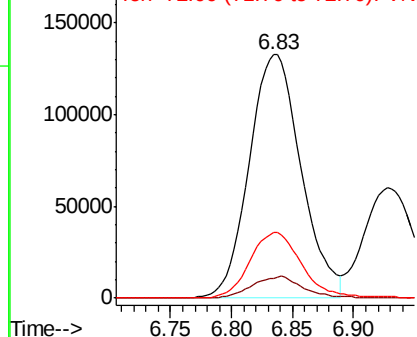


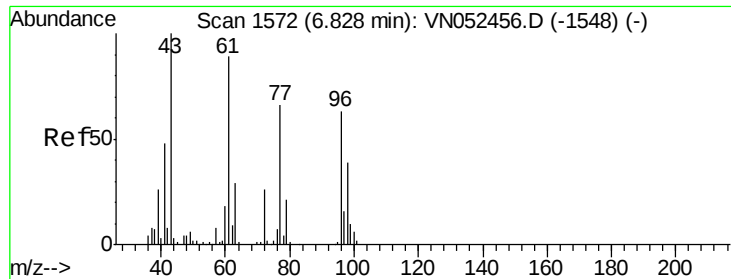
#30
 2-Butanone
 Concen: 104.975 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion: 43 Resp: 388236
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.2 9.4
 72 27.1 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0
 Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 18.766 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

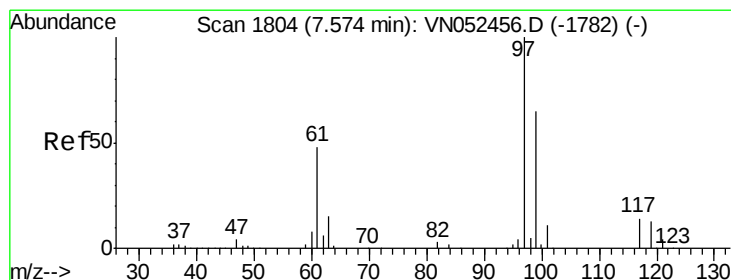
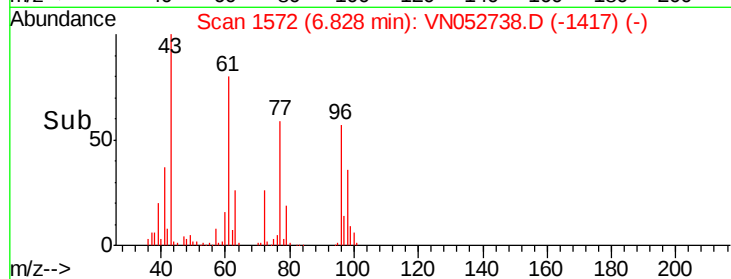
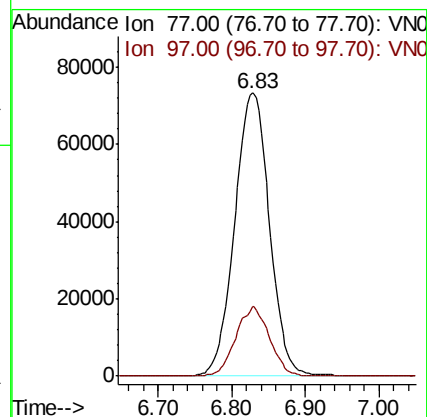
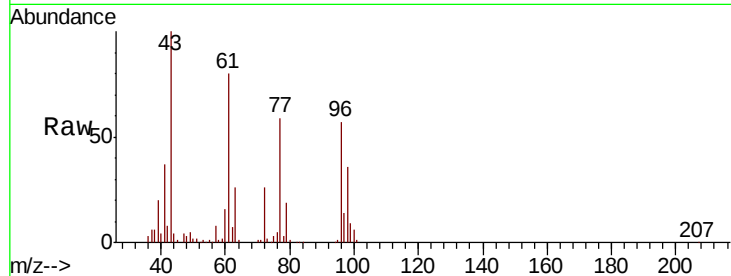
VSTDCCC020EC

Tot Ion: 77 Resp: 238783

Ion Ratio Lower Upper

77 100

97 23.9 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 19.511 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

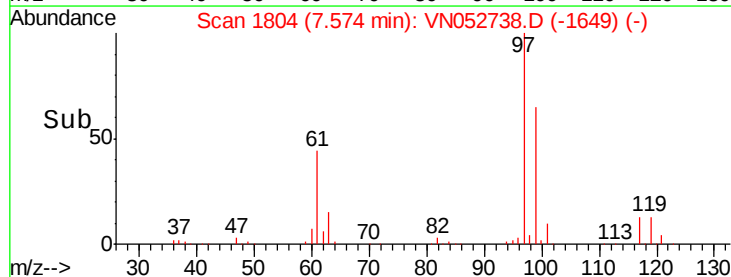
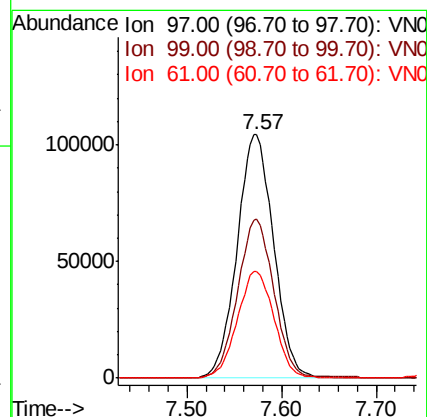
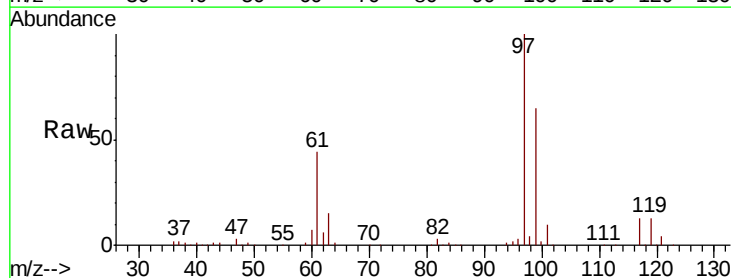
Tgt Ion: 97 Resp: 280602

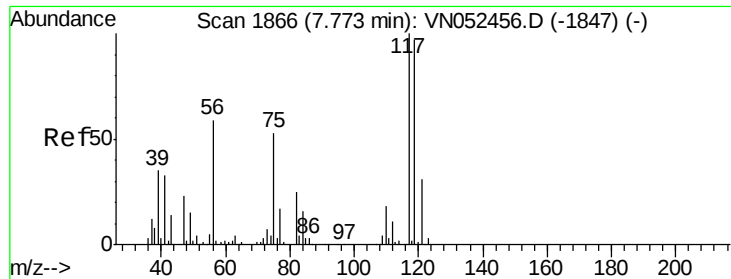
Ion Ratio Lower Upper

97 100

99 64.4 50.9 76.3

61 44.0 38.1 57.1

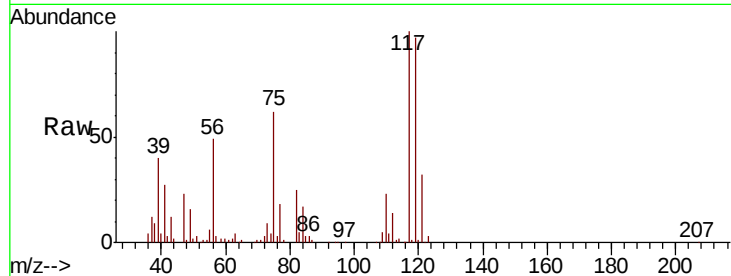




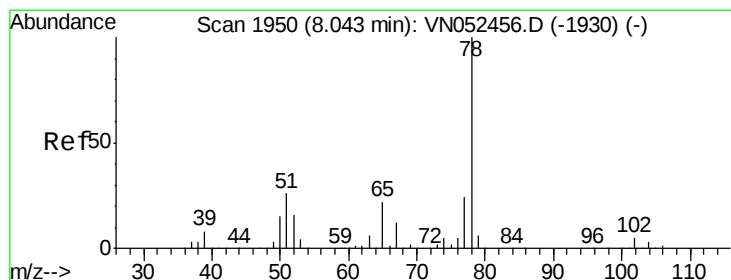
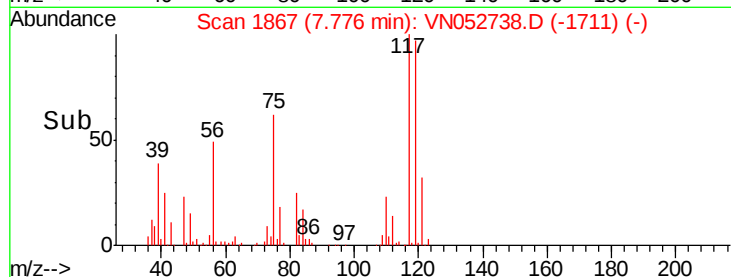
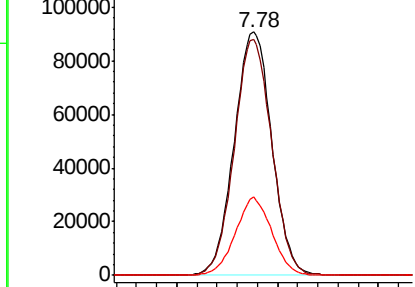
#33
Carbon Tetrachloride
Concen: 18.673 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 234968
Ion Ratio Lower Upper
117 100
119 97.0 77.3 115.9
121 32.0 24.9 37.3

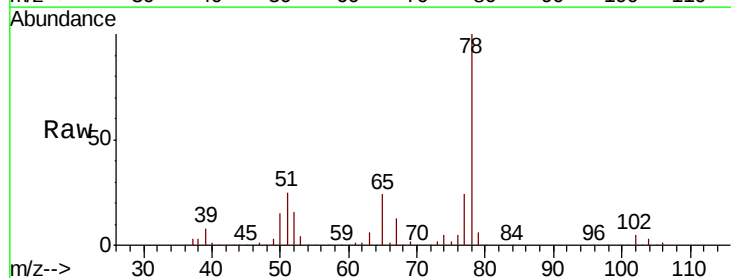


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

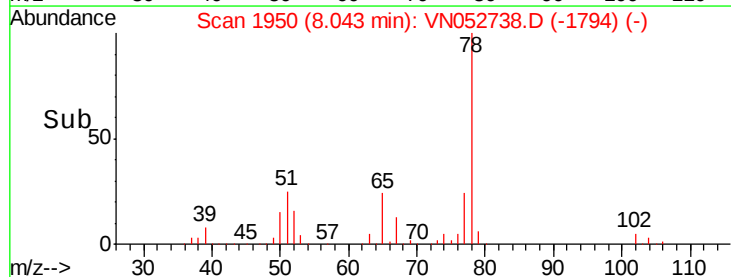
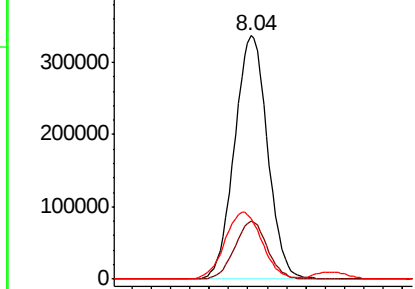


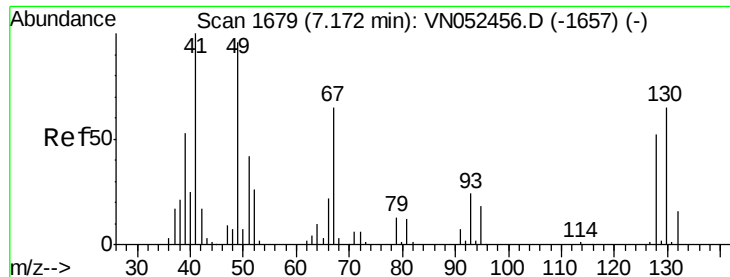
#34
Benzene
Concen: 19.252 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 78 Resp: 800022
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6
51 24.9 20.5 30.7



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

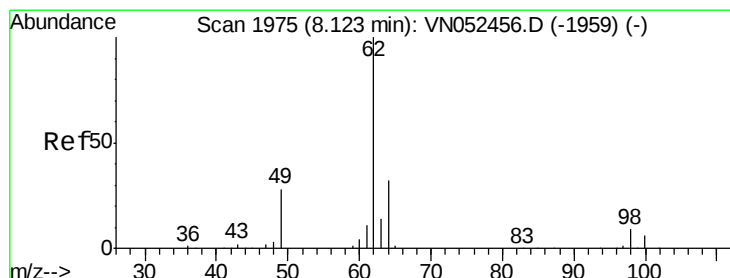
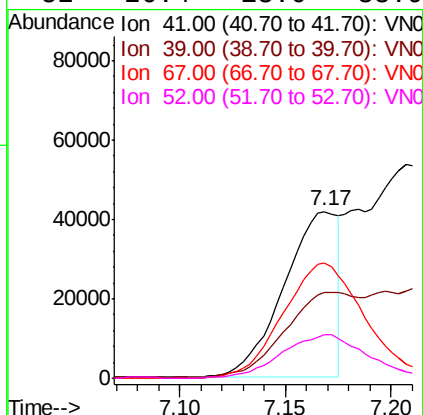
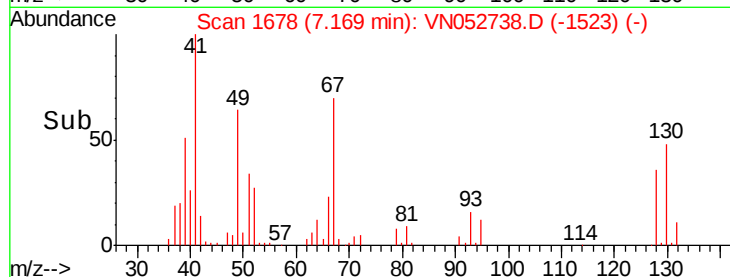
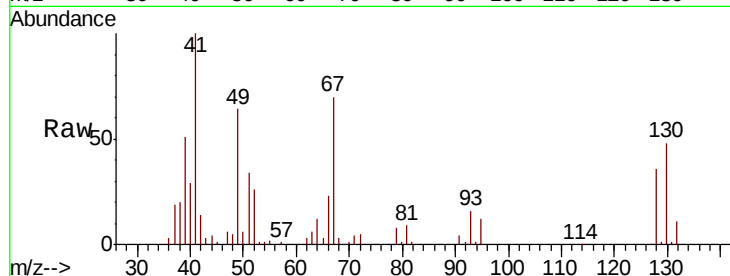




#35
Methacrylonitrile
Concen: 16.295 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

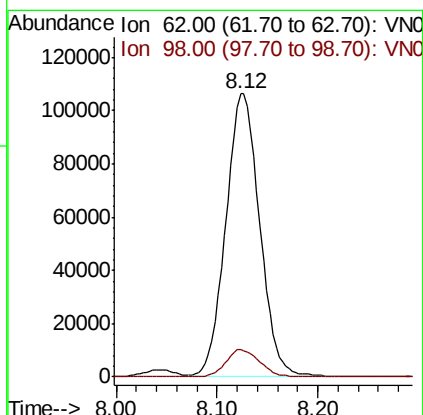
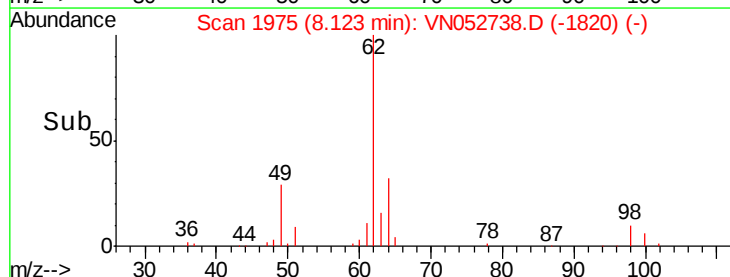
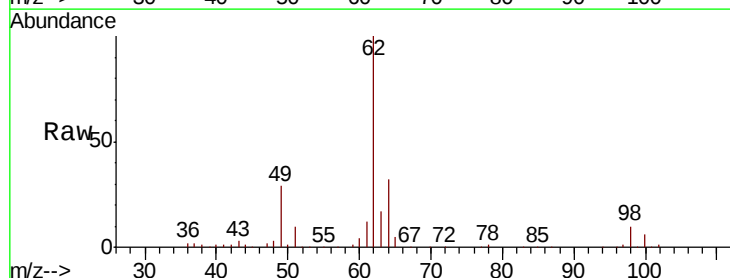
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

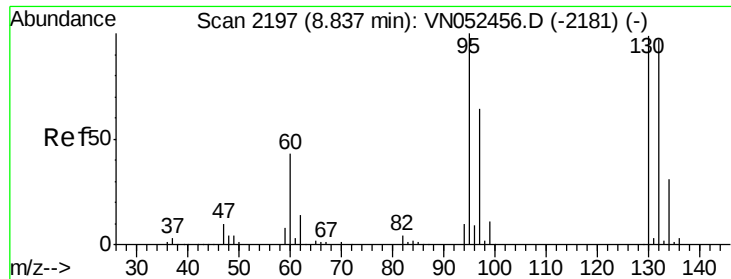
Tot Ion: 41 Resp: 74772
Ion Ratio Lower Upper
41 100
39 50.9 26.6 79.7
67 70.0 32.3 96.9
52 26.4 13.0 38.9



#36
1,2-Dichloroethane
Concen: 19.725 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 62 Resp: 248386
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2

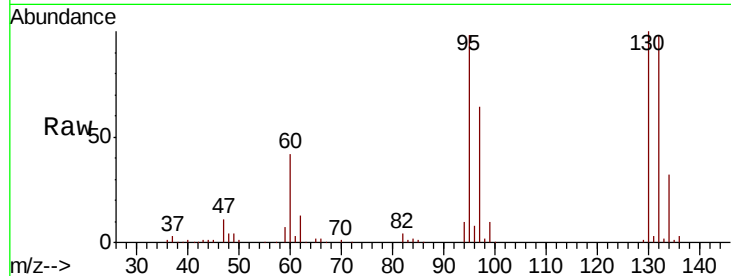




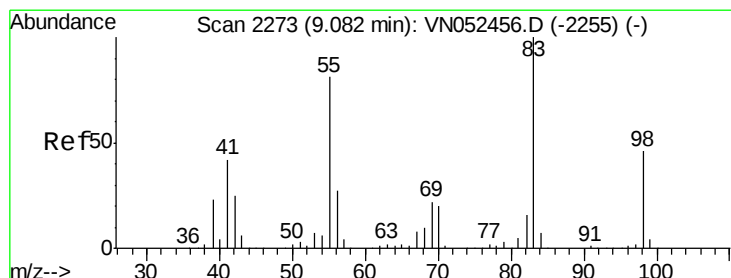
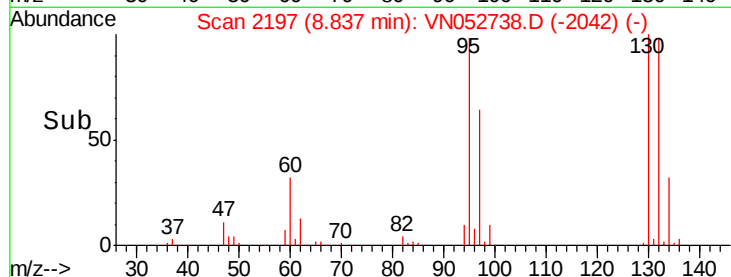
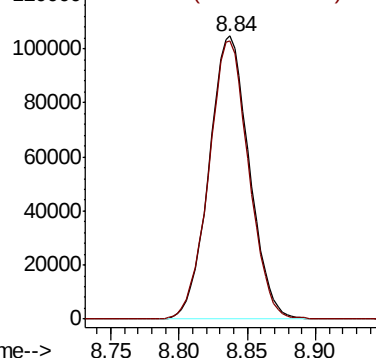
#37
 Trichloroethene
 Concen: 20.309 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 214006
 Ion Ratio Lower Upper
 130 100
 95 98.5 81.0 121.4

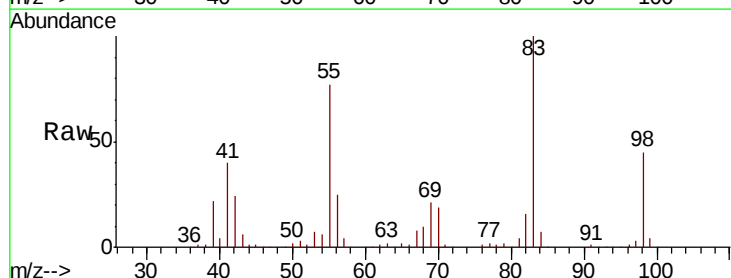


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

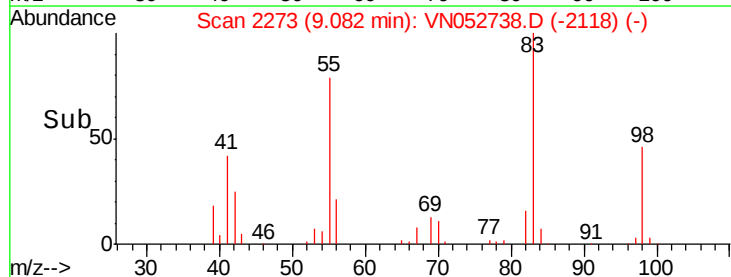
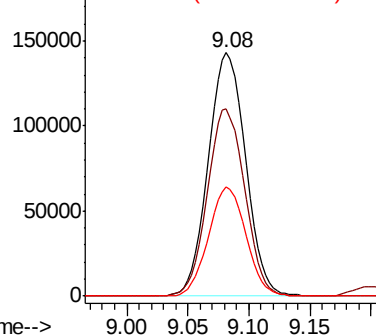


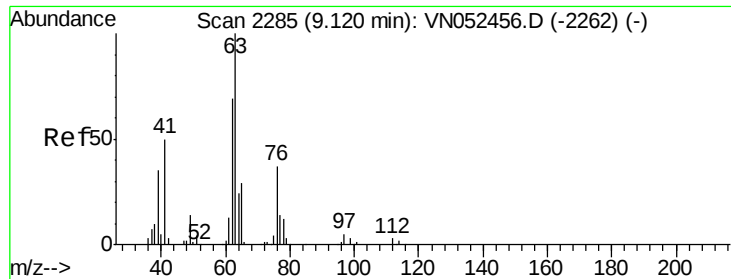
#38
 Methylcyclohexane
 Concen: 17.725 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion: 83 Resp: 303271
 Ion Ratio Lower Upper
 83 100
 55 76.6 39.8 119.4
 98 45.0 22.9 68.5



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: 19.467 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

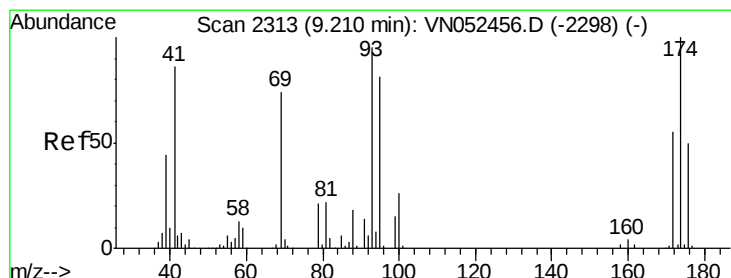
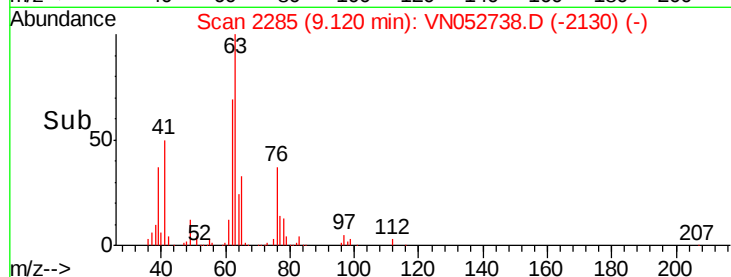
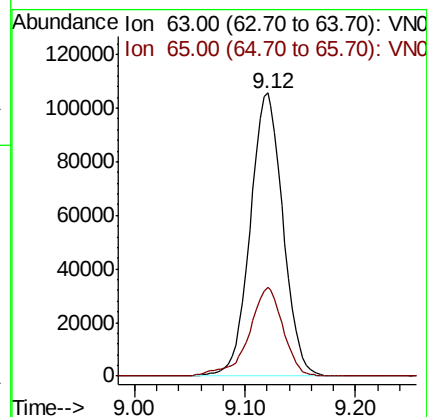
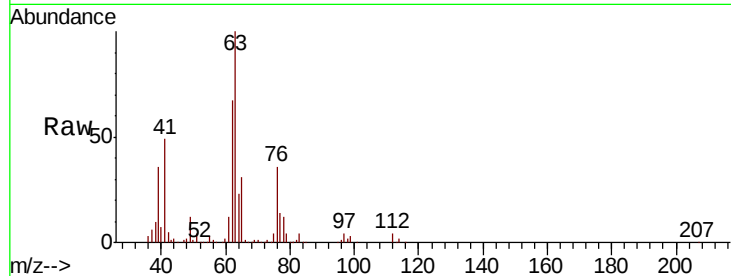
VSTDCCC020EC

Tot Ion: 63 Resp: 216841

Ion Ratio Lower Upper

63 100

65 31.5 23.6 35.4



#40

Dibromomethane

Concen: 20.801 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

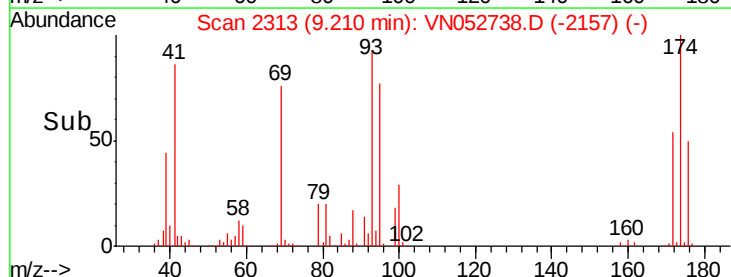
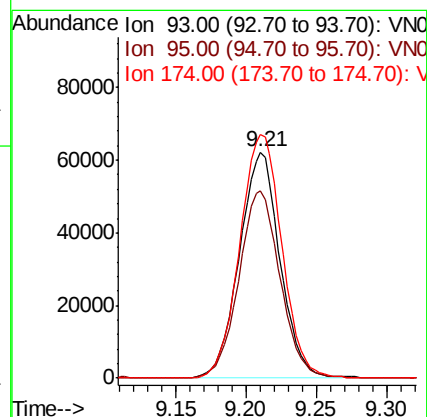
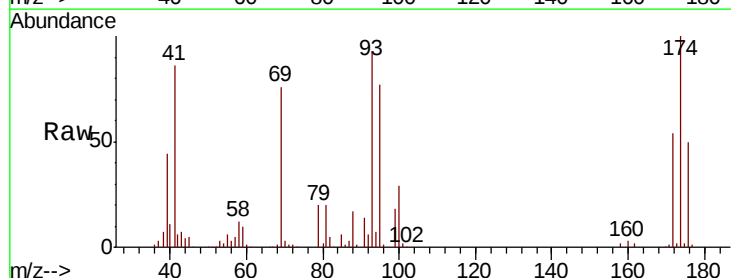
Tgt Ion: 93 Resp: 125211

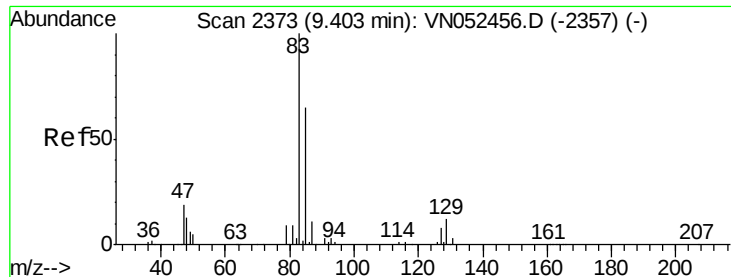
Ion Ratio Lower Upper

93 100

95 84.3 0.0 168.4

174 111.7 0.0 210.0

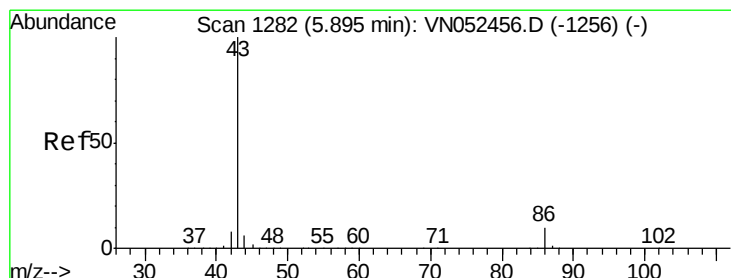
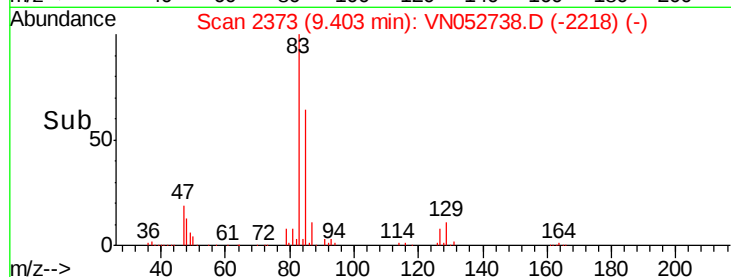
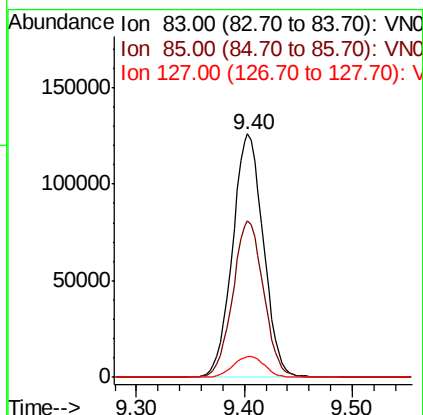
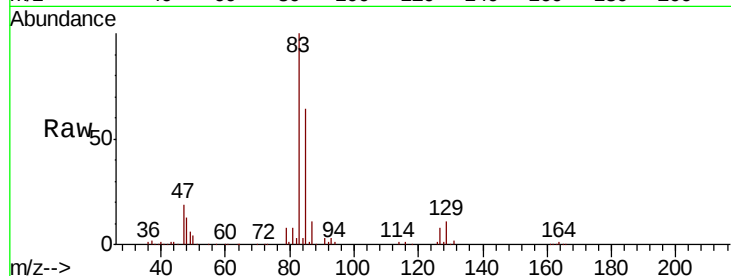




#41
Bromodichloromethane
Concen: 18.894 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

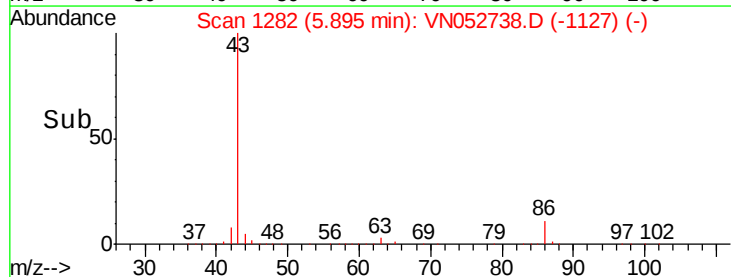
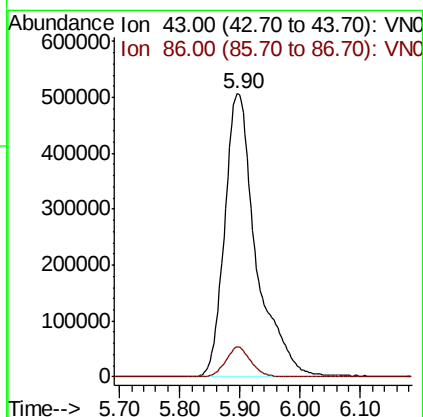
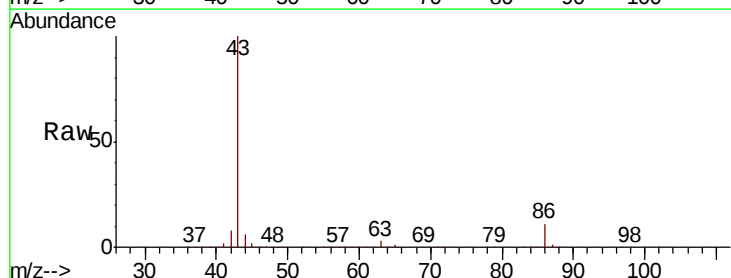
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

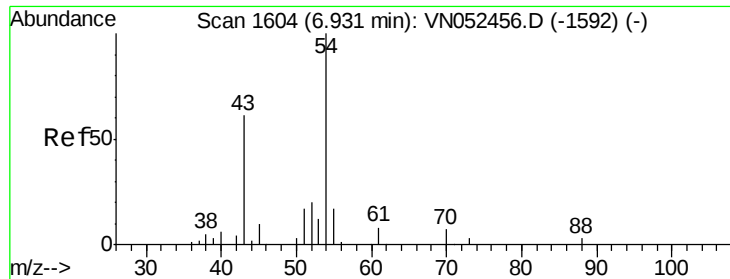
Tot Ion: 83 Resp: 251274
Ion Ratio Lower Upper
83 100
85 64.4 52.4 78.6
127 8.5 6.6 9.8



#42
Vinyl Acetate
Concen: 91.907 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 43 Resp: 1839104
Ion Ratio Lower Upper
43 100
86 8.4 6.5 9.7





#43

Ethyl Acetate

Concen: 21.779 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

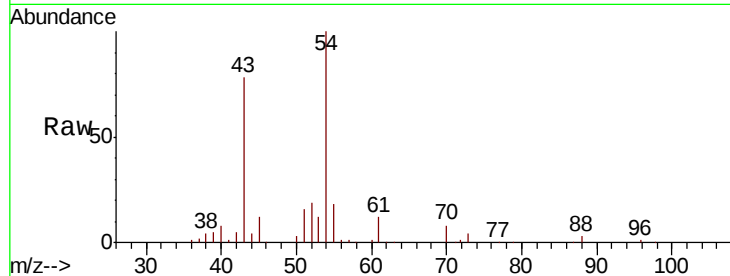
VSTDCCC020EC

Tot Ion: 43 Resp: 171271

Ion Ratio Lower Upper

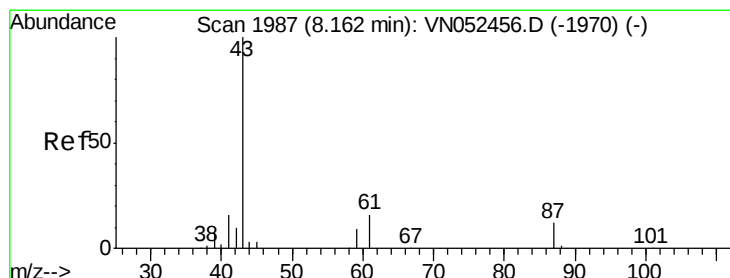
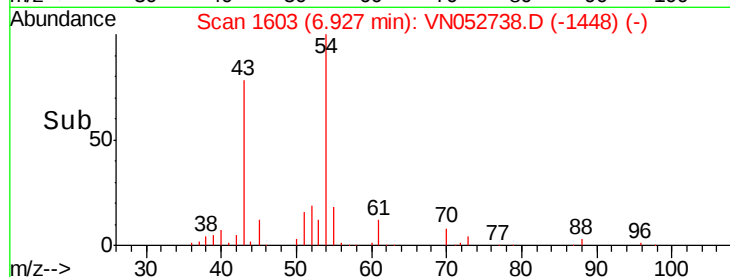
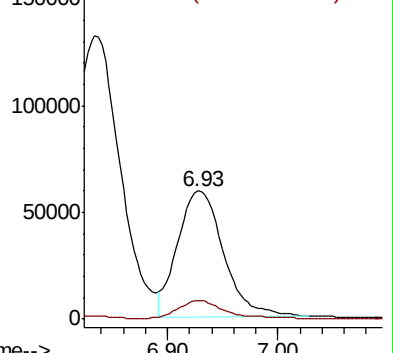
43 100

45 14.0 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 23.304 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052738.D

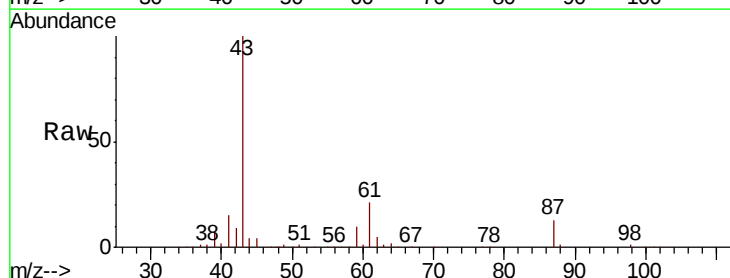
Acq: 7 Dec 2018 20:17

Tgt Ion: 43 Resp: 321415

Ion Ratio Lower Upper

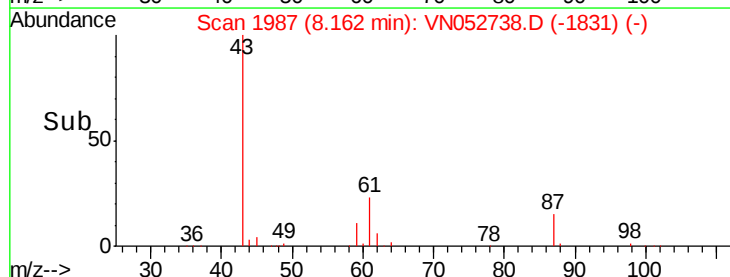
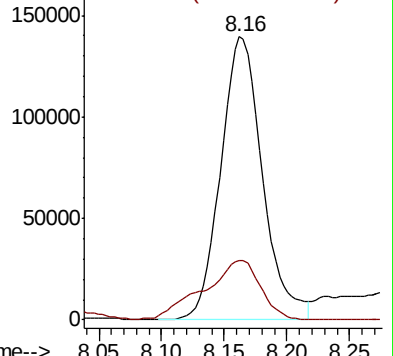
43 100

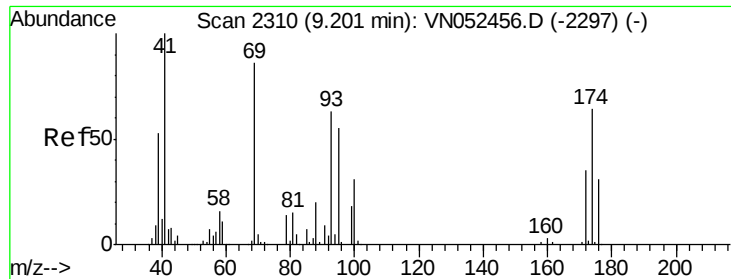
61 28.2 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

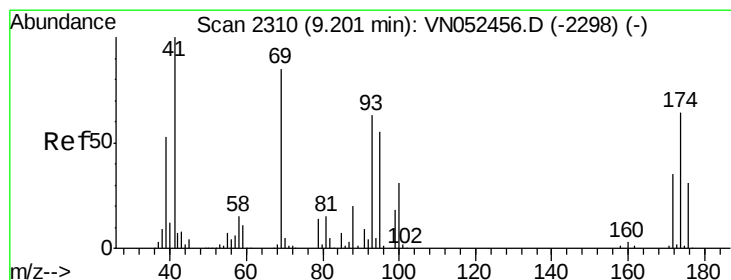
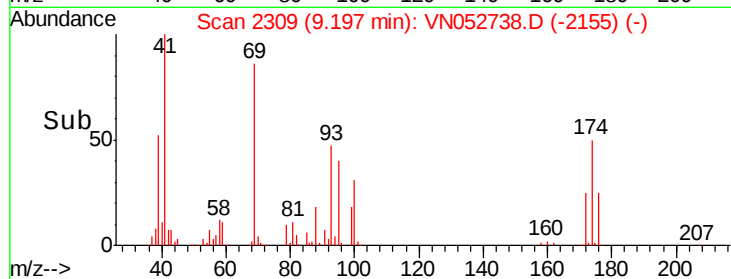
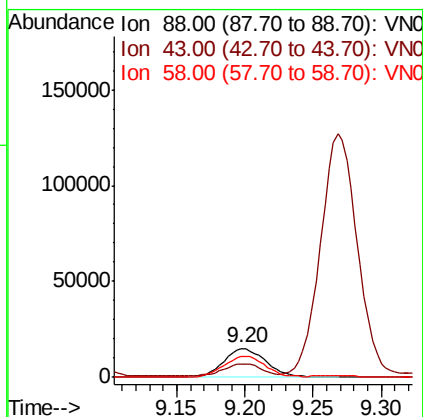
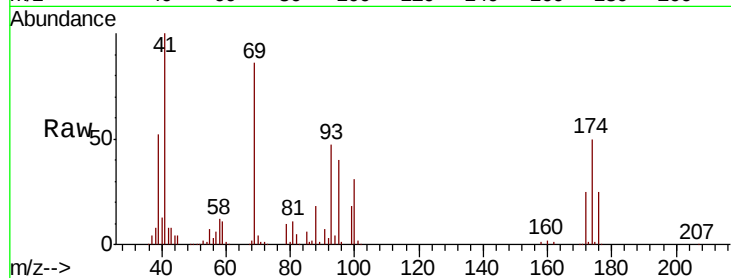




#45
 1,4-Dioxane
 Concen: 434.378 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

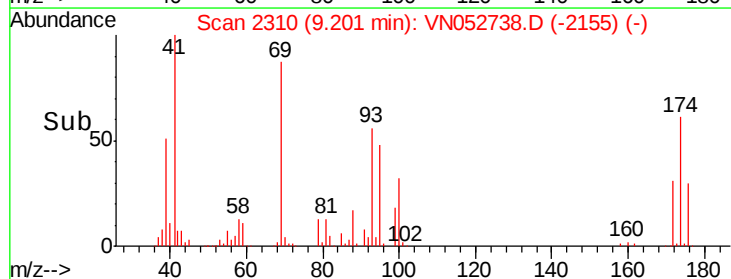
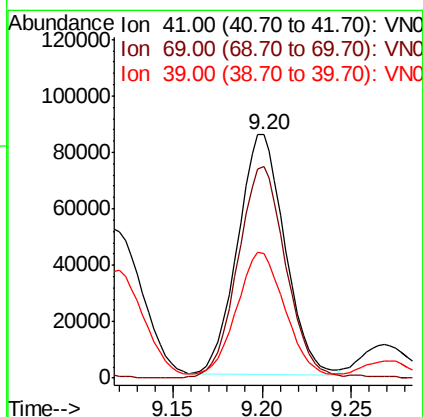
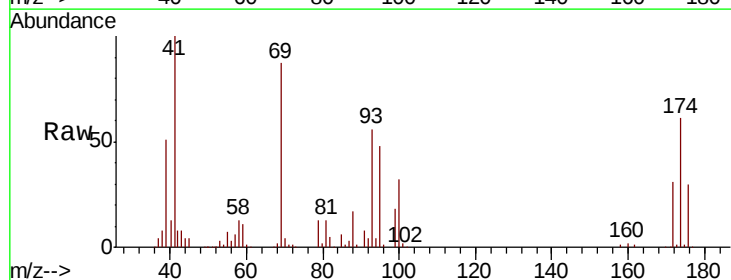
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

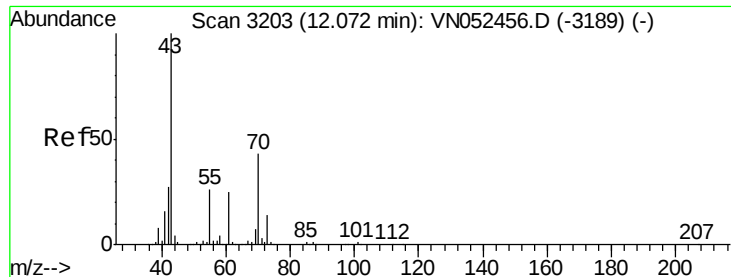
Tot Ion: 88 Resp: 32775
 Ion Ratio Lower Upper
 88 100
 43 34.1 29.5 44.3
 58 72.2 61.5 92.3



#46
 Methyl methacrylate
 Concen: 21.881 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion: 41 Resp: 156695
 Ion Ratio Lower Upper
 41 100
 69 88.2 42.5 127.6
 39 50.7 26.3 78.9

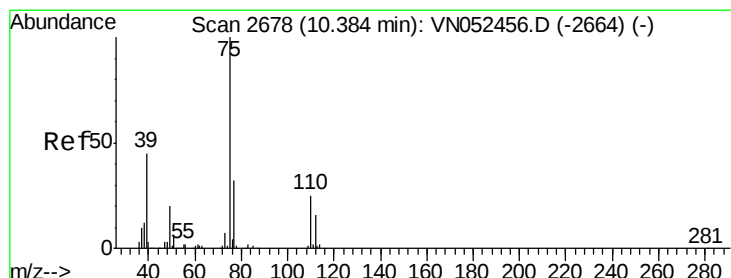
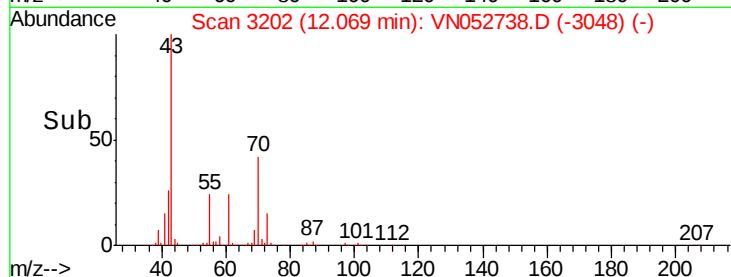
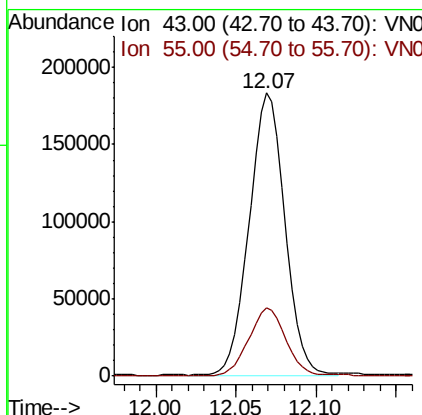
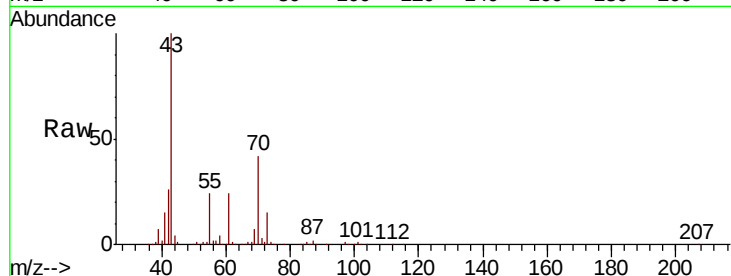




#47
n-amvl Acetate
Concen: 24.435 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

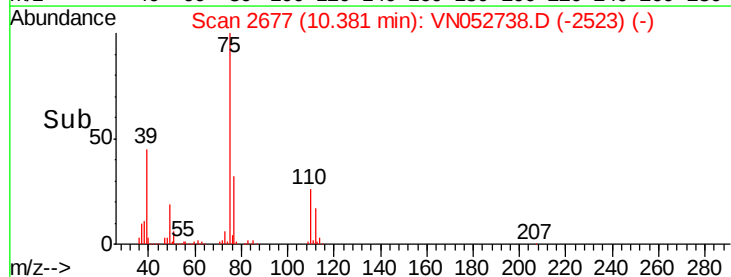
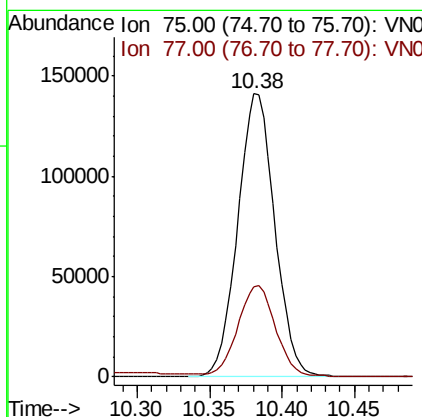
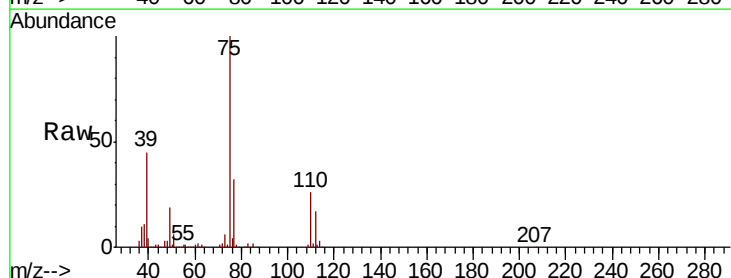
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

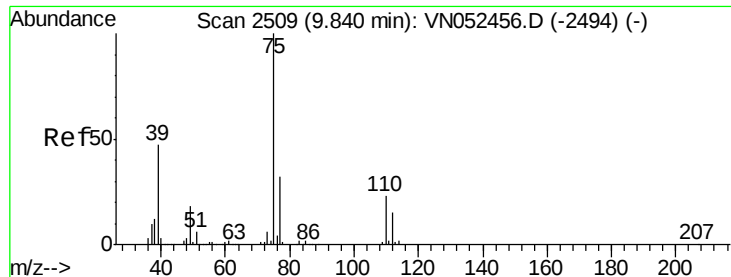
Tot Ion: 43 Resp: 279429
Ion Ratio Lower Upper
43 100
55 24.8 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 19.434 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 75 Resp: 250598
Ion Ratio Lower Upper
75 100
77 31.7 25.6 38.4



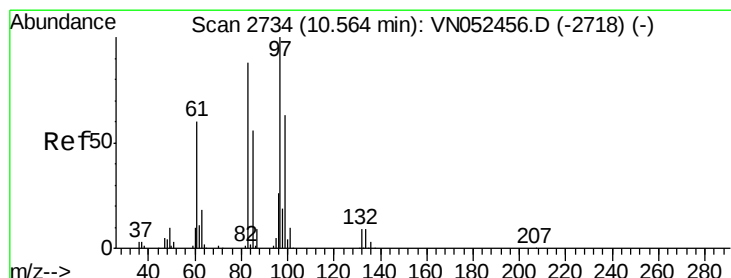
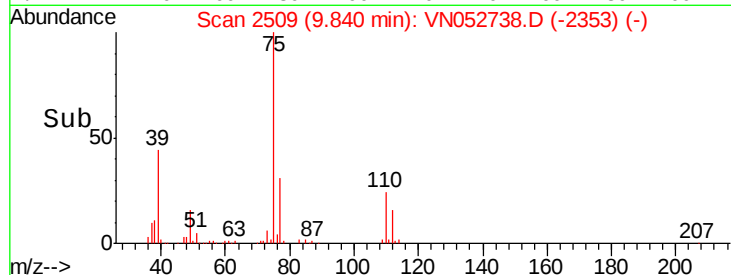
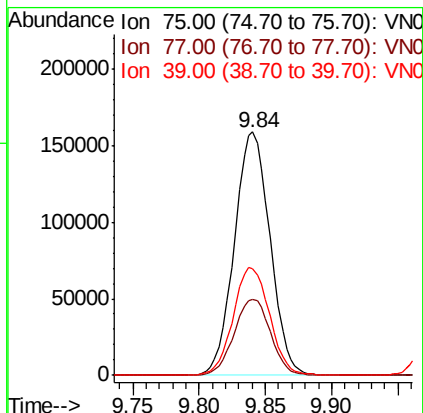
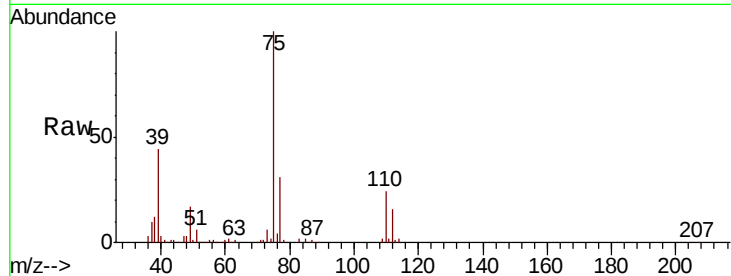


#49

cis-1,3-Dichloropropene
 Concen: 18.913 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

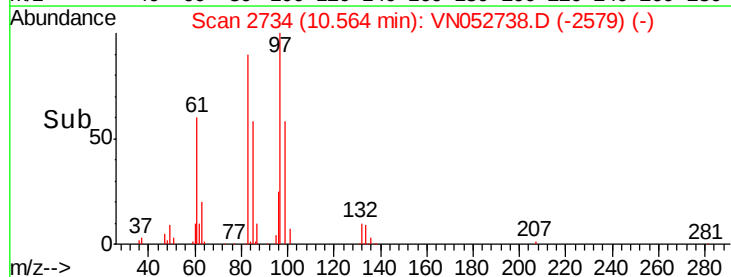
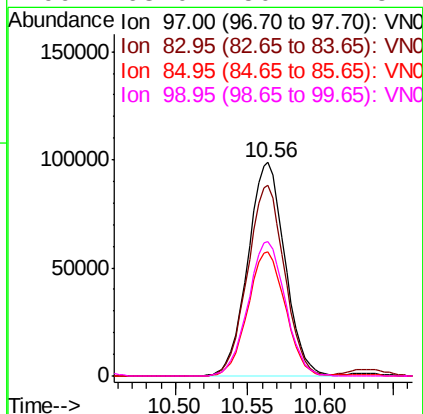
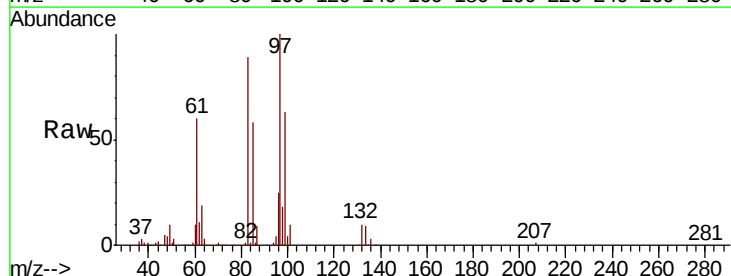
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	43.7	37.3	55.9

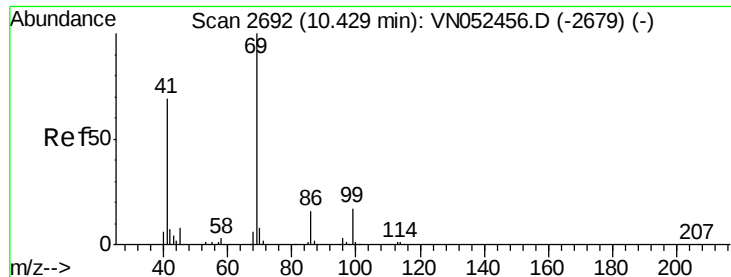


#50

1,1,2-Trichloroethane
 Concen: 20.658 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.2	70.4	105.6
85	58.0	45.0	67.6
99	63.0	50.2	75.2





#51

Ethyl methacrylate

Concen: 22.041 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

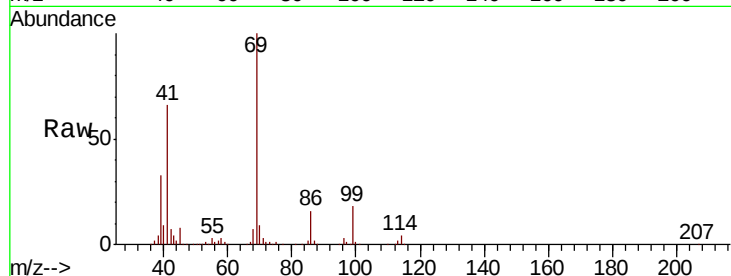
Tot Ion: 69 Resp: 236195

Ion Ratio Lower Upper

69 100

41 65.0 34.4 103.3

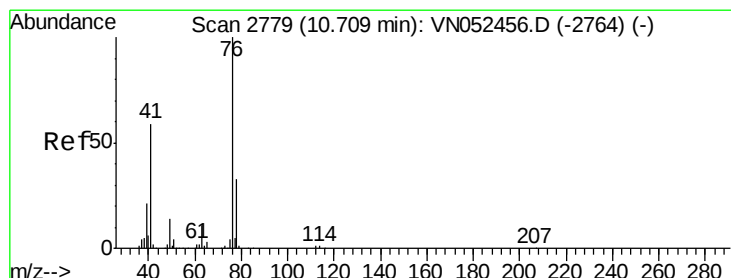
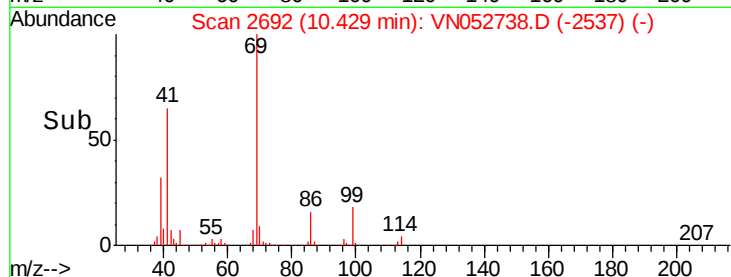
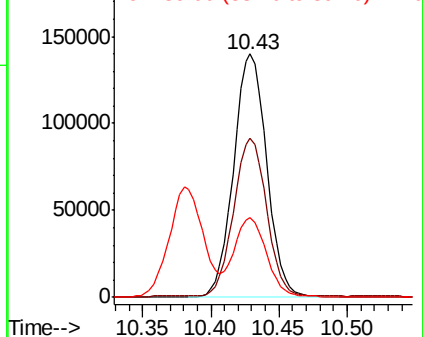
39 32.4 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.320 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052738.D

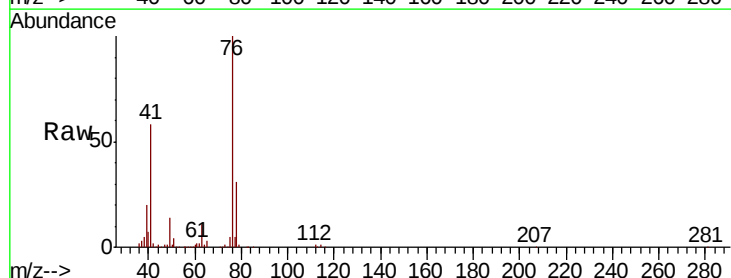
Acq: 7 Dec 2018 20:17

Tgt Ion: 76 Resp: 308615

Ion Ratio Lower Upper

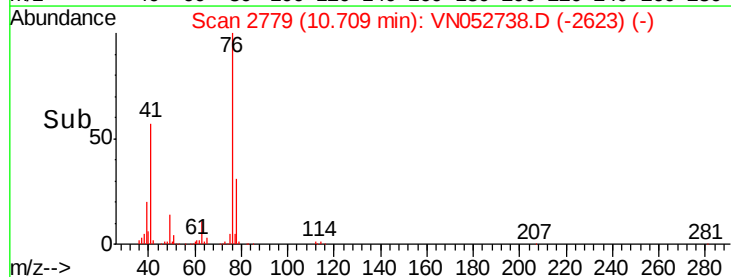
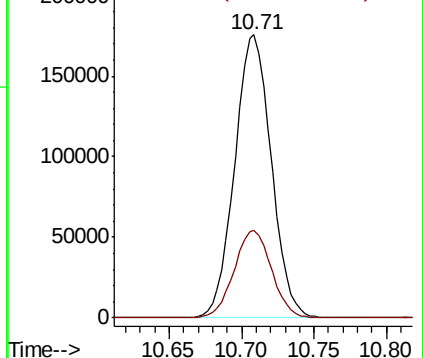
76 100

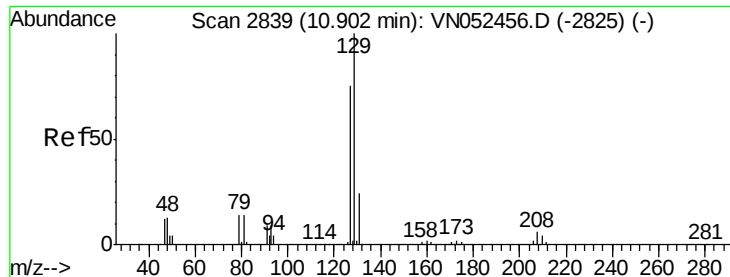
78 31.6 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.519 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

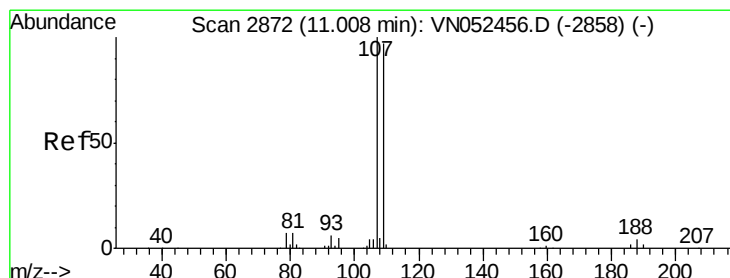
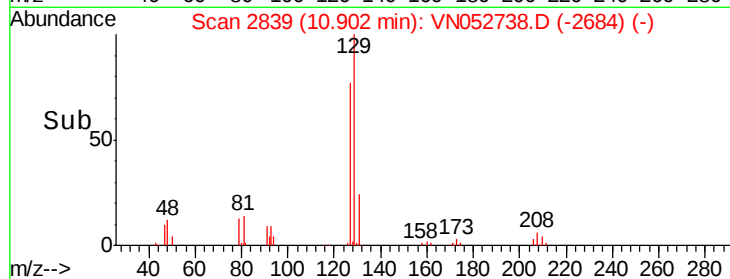
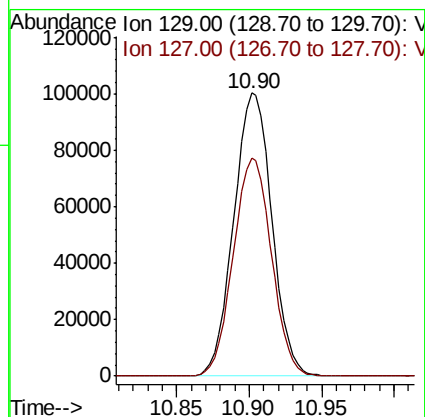
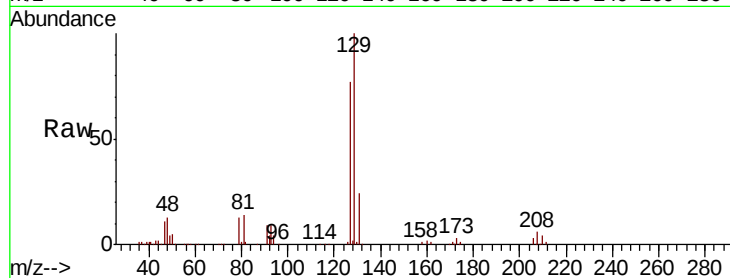
VSTDCCC020EC

Tot Ion:129 Resp: 183358

Ion Ratio Lower Upper

129 100

127 77.2 37.6 112.8



#54

1,2-Dibromoethane

Concen: 21.117 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052738.D

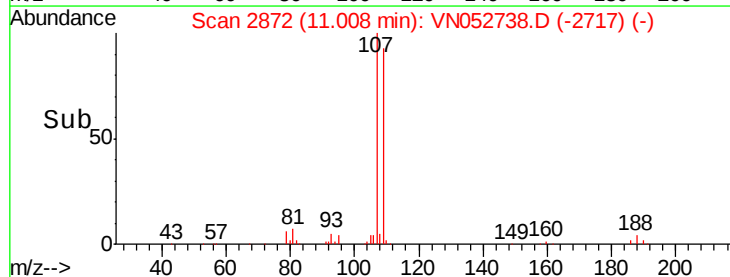
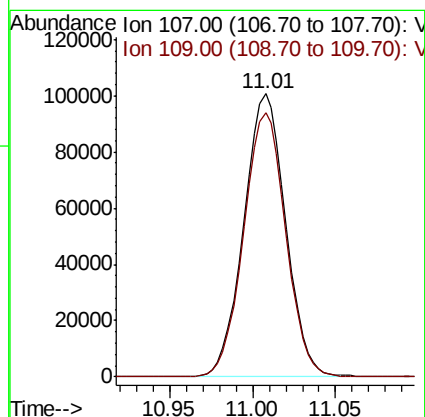
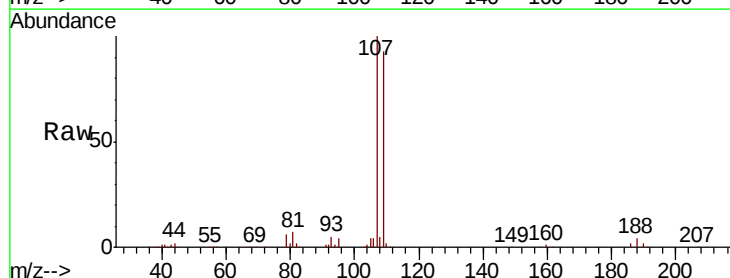
Acq: 7 Dec 2018 20:17

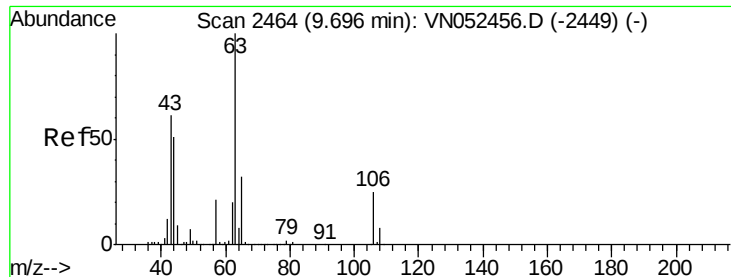
Tgt Ion:107 Resp: 176065

Ion Ratio Lower Upper

107 100

109 94.3 77.1 115.7

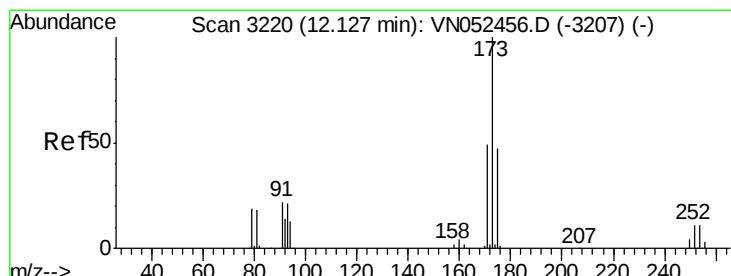
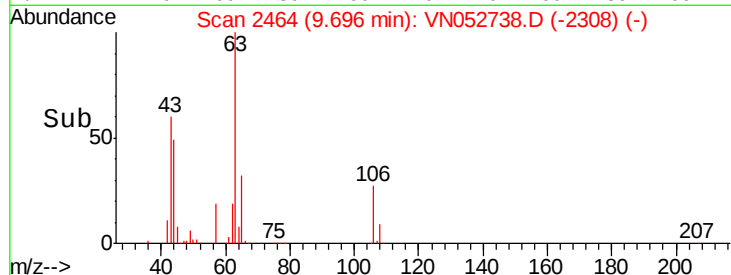
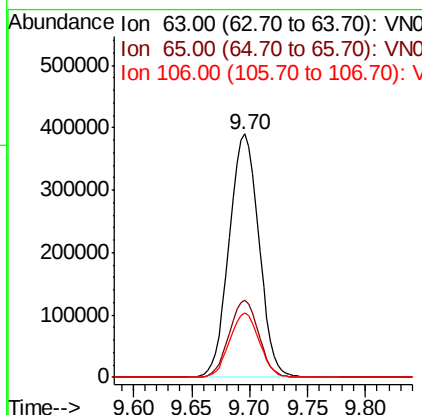
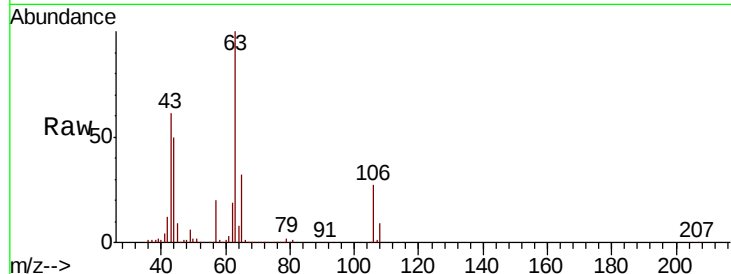




#55
 2-Chloroethyl vinyl ether
 Concen: 110.184 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

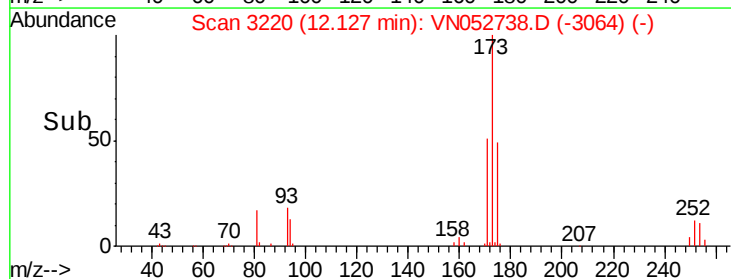
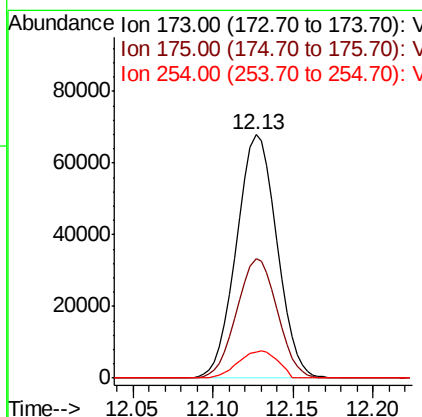
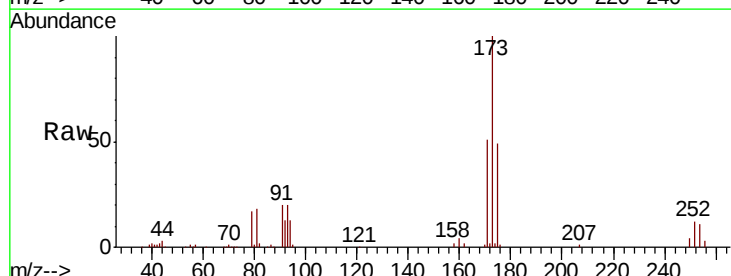
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

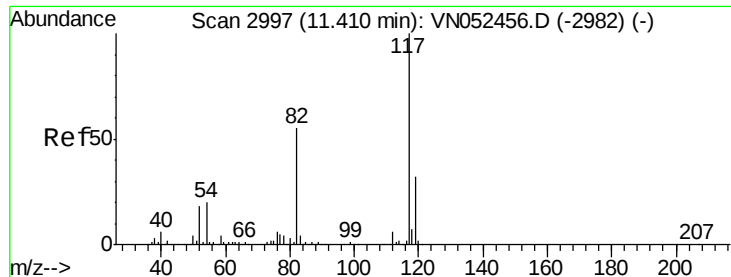
Tot Ion: 63 Resp: 691171
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.4 38.2
 106 26.4 20.4 30.6



#56
 Bromoform
 Concen: 19.084 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion: 173 Resp: 117179
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.7 58.1
 254 10.9 8.4 12.6

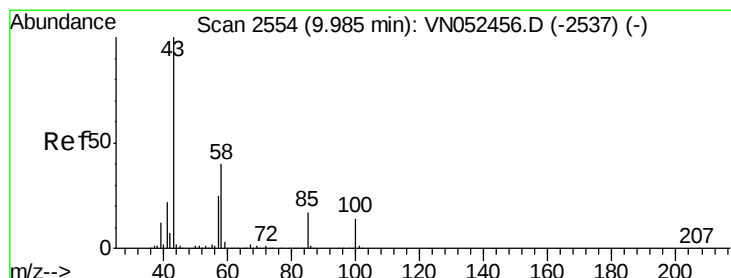
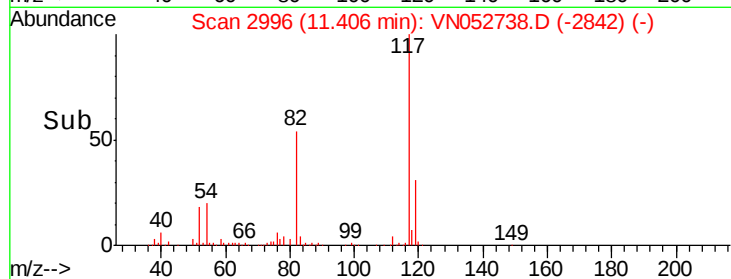
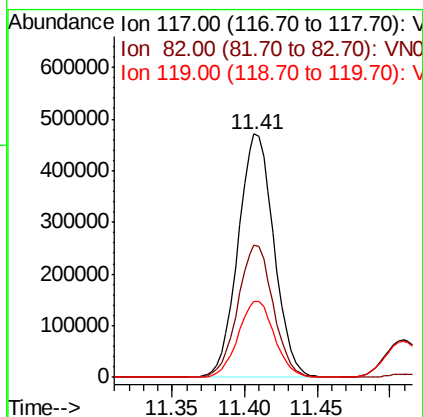
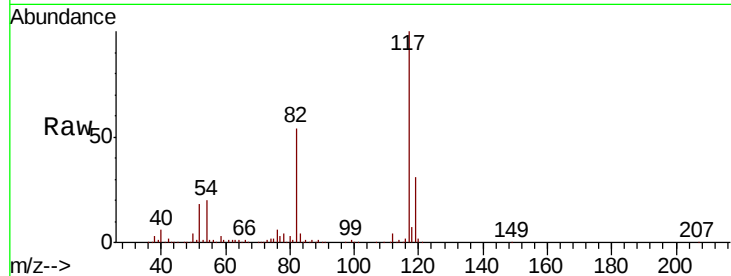




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

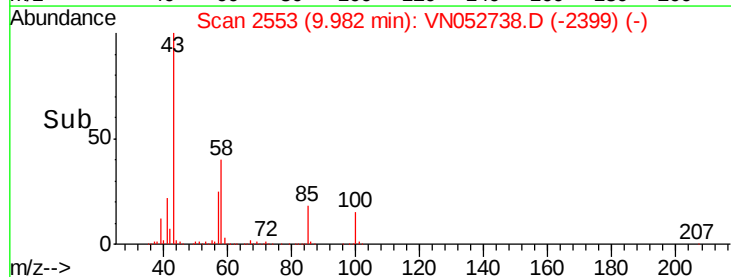
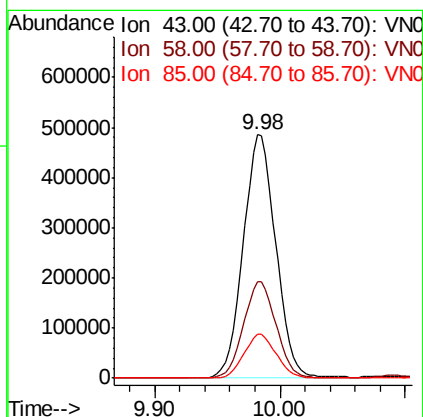
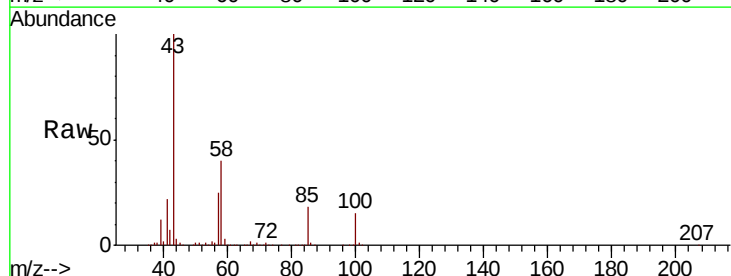
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

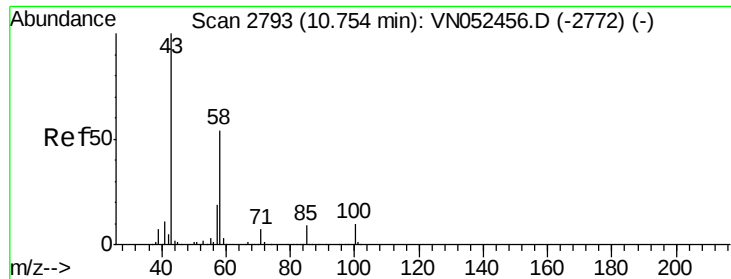
Tot Ion:117 Resp: 807491
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 31.8 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 111.348 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 43 Resp: 871680
Ion Ratio Lower Upper
43 100
58 39.7 31.6 47.4
85 18.0 13.3 19.9

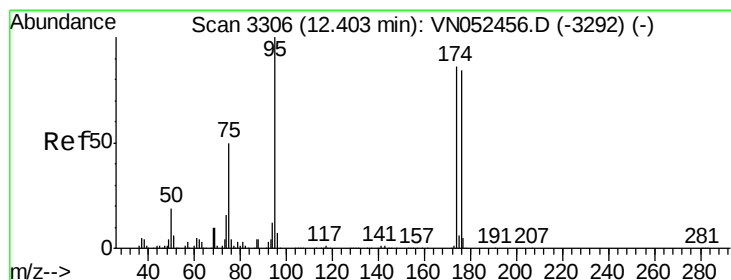
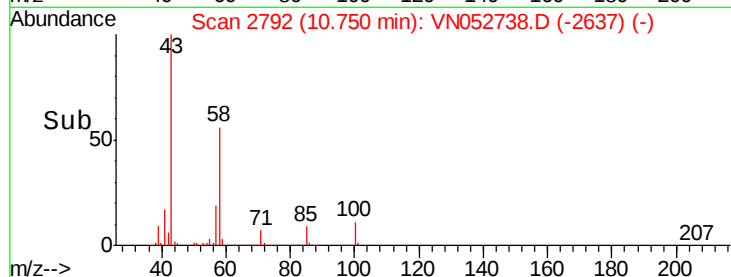
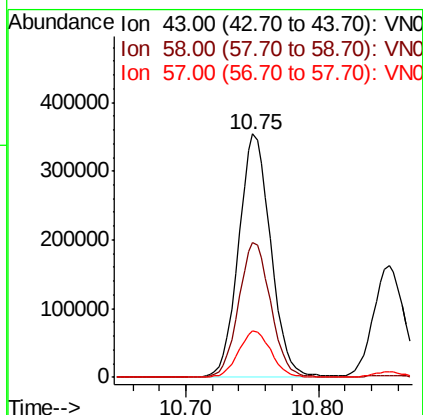
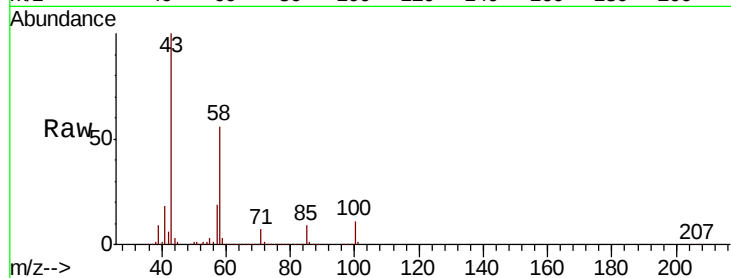




#59
2-Hexanone
Concen: 110.600 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

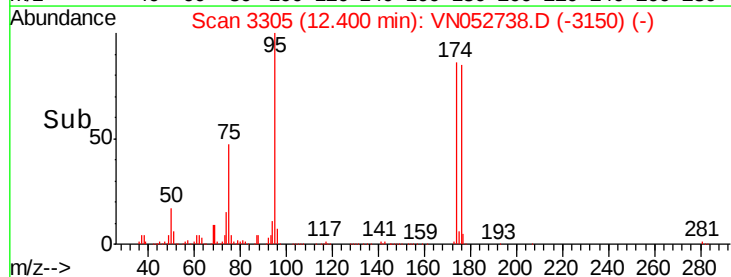
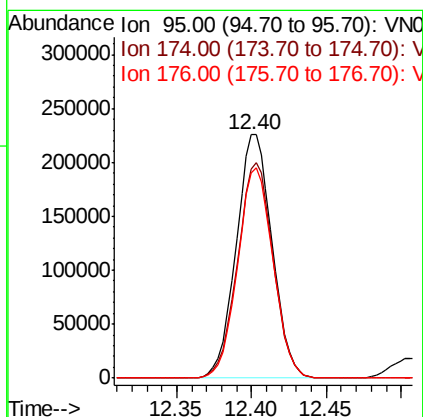
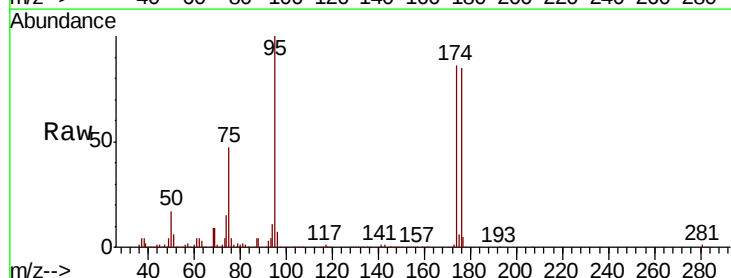
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

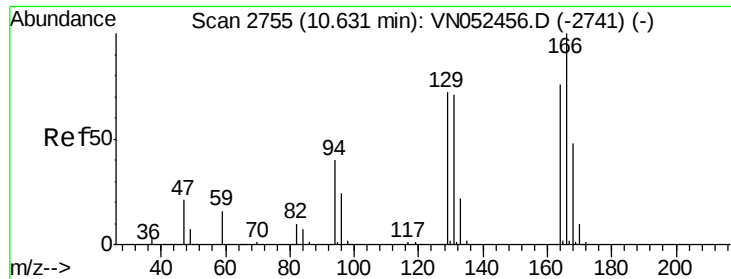
Tot Ion: 43 Resp: 591457
Ion Ratio Lower Upper
43 100
58 56.1 43.2 64.8
57 19.4 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 110.600 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 95 Resp: 376368
Ion Ratio Lower Upper
95 100
174 87.6 67.9 101.9
176 85.4 66.4 99.6





#61

Tetrachloroethene

Concen: 23.577 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 234476

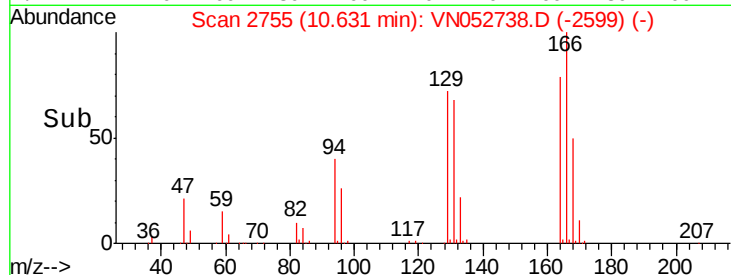
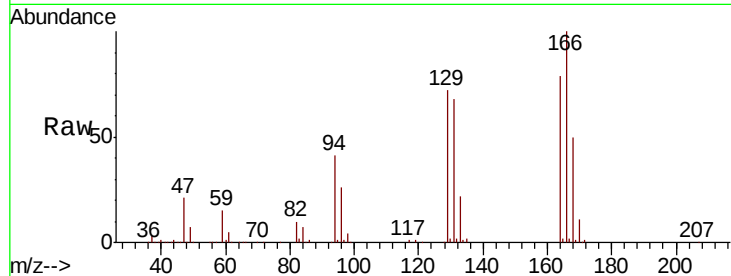
Ion Ratio Lower Upper

164 100

166 126.0 104.6 157.0

129 91.1 75.3 112.9

131 86.2 74.3 111.5

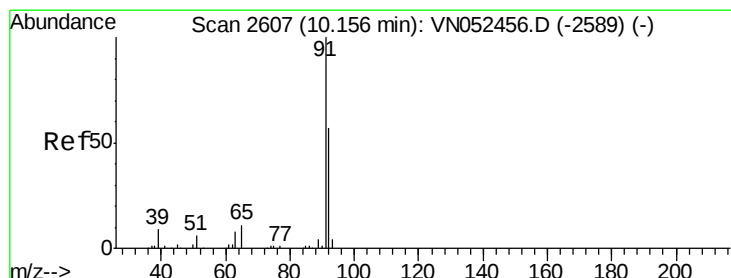
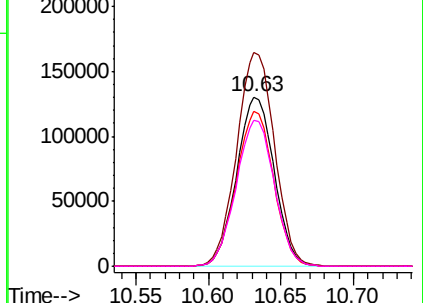


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.166 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052738.D

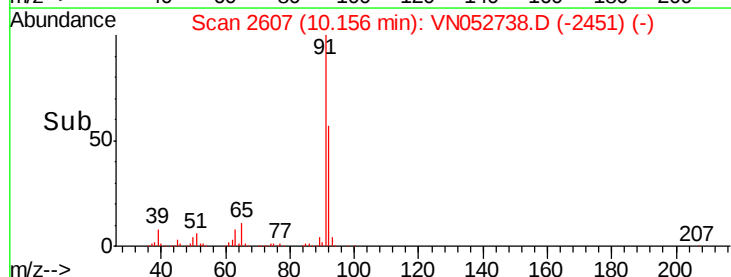
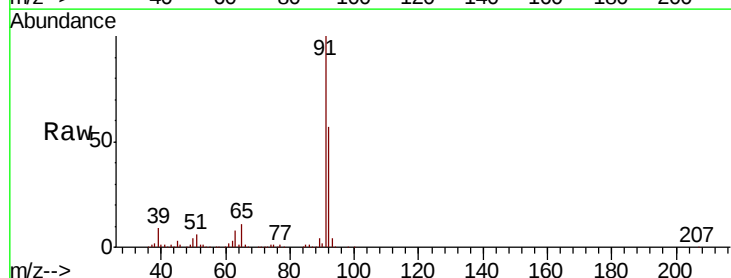
Acq: 7 Dec 2018 20:17

Tgt Ion: 91 Resp: 853150

Ion Ratio Lower Upper

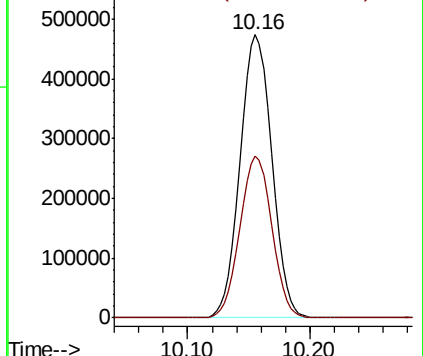
91 100

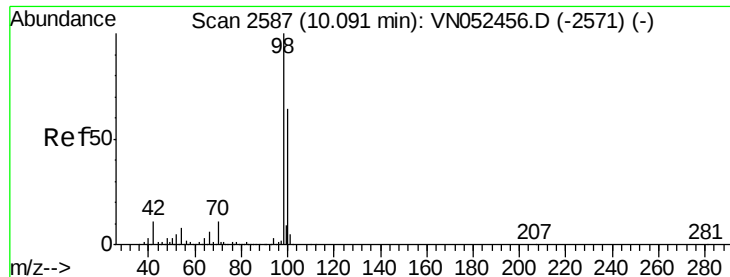
92 57.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 19.166 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

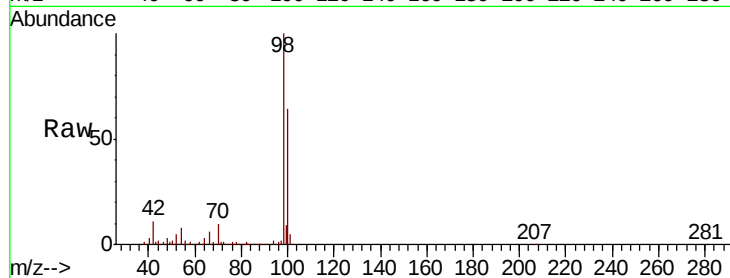
VSTDCCC020EC

Tot Ion: 98 Resp: 1087132

Ion Ratio Lower Upper

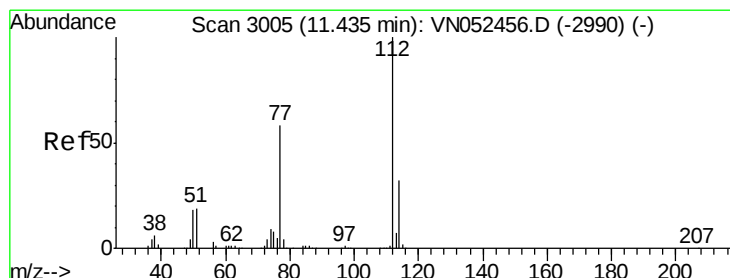
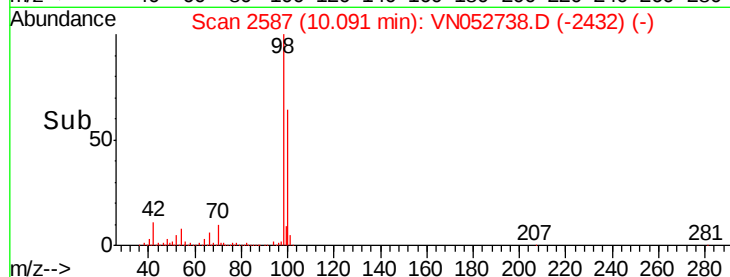
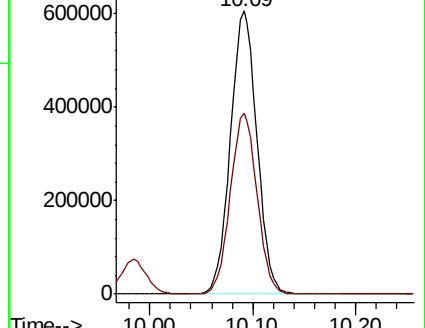
98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)



#64

Chlorobenzene

Concen: 19.603 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052738.D

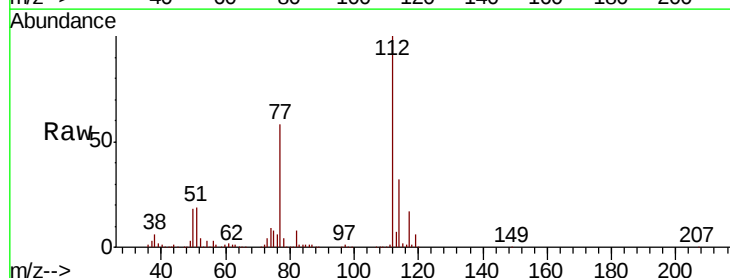
Acq: 7 Dec 2018 20:17

Tgt Ion: 112 Resp: 532629

Ion Ratio Lower Upper

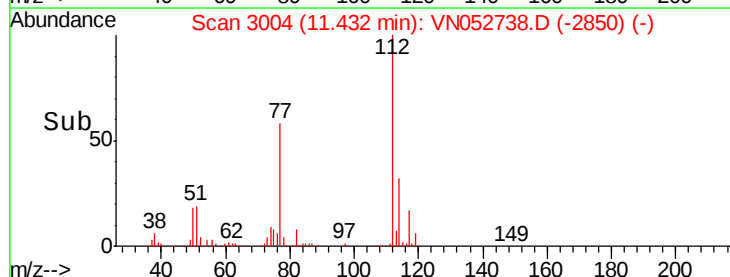
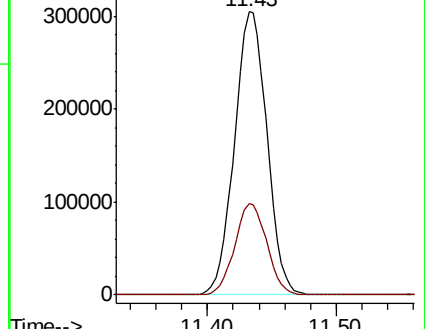
112 100

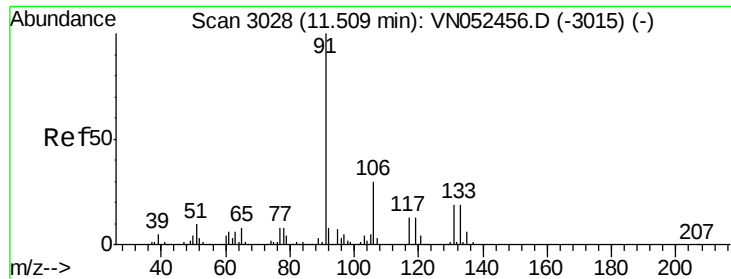
114 32.4 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052456.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN052456.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.597 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

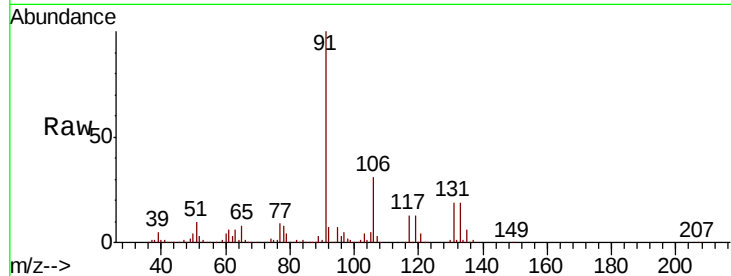
Tot Ion:131 Resp: 184824

Ion Ratio Lower Upper

131 100

133 94.9 0.0 193.4

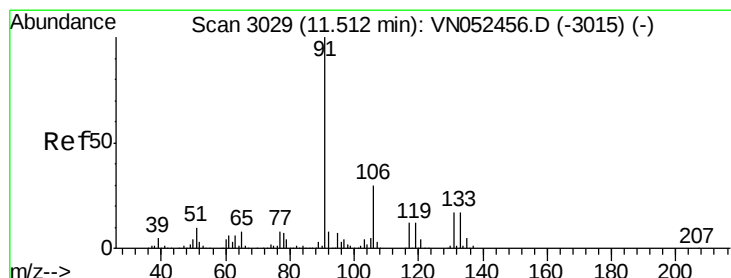
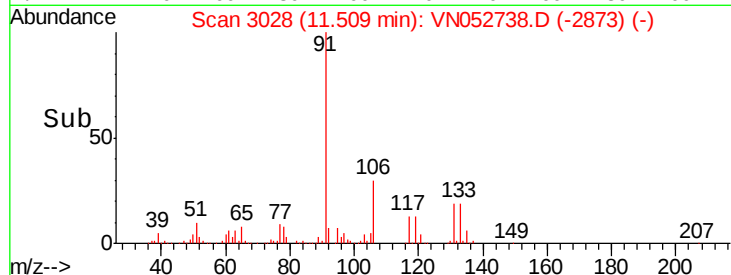
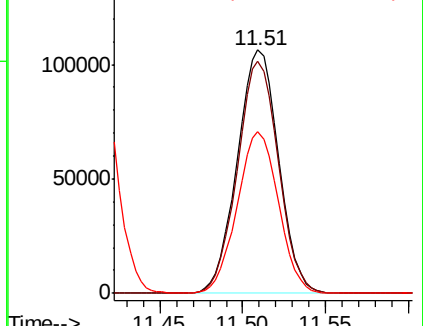
119 66.2 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.109 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052738.D

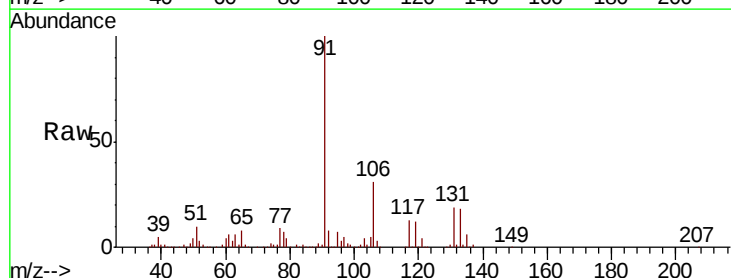
Acq: 7 Dec 2018 20:17

Tgt Ion: 91 Resp: 916793

Ion Ratio Lower Upper

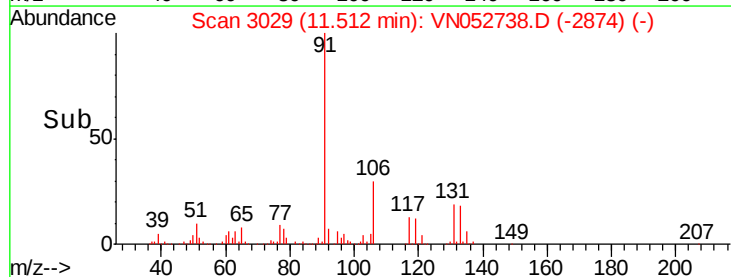
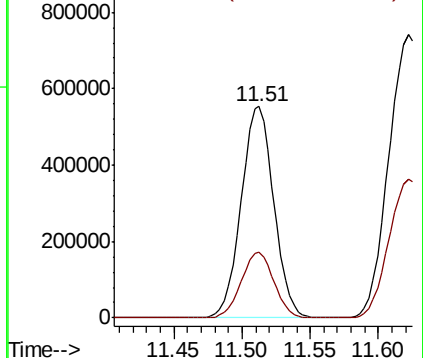
91 100

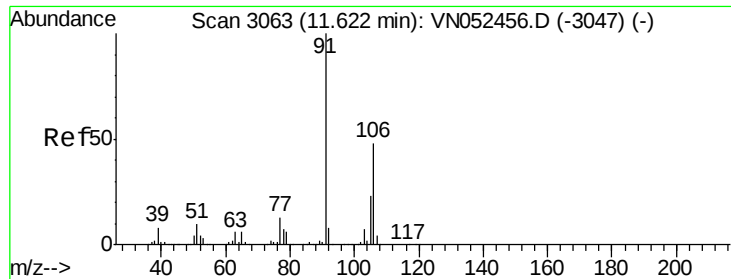
106 30.9 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.908 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

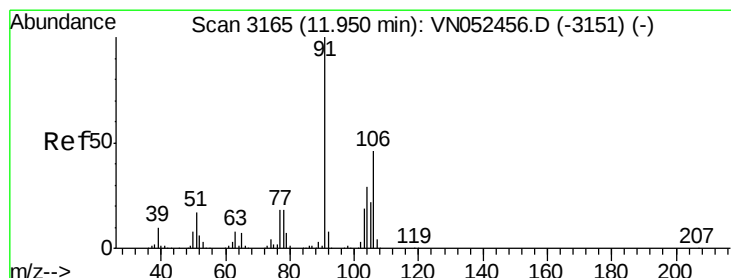
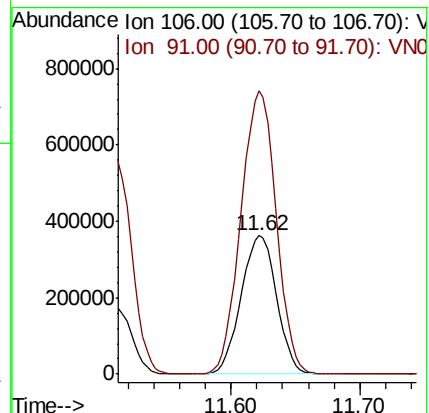
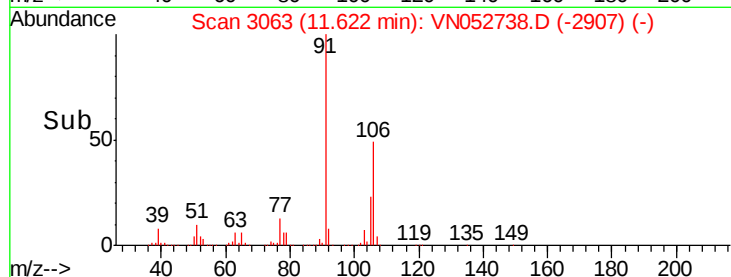
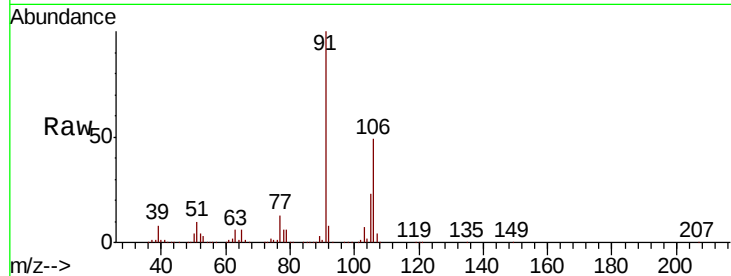
VSTDCCC020EC

Tot Ion:106 Resp: 695446

Ion Ratio Lower Upper

106 100

91 202.9 163.9 245.9



#68

o-Xylene

Concen: 19.739 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN052738.D

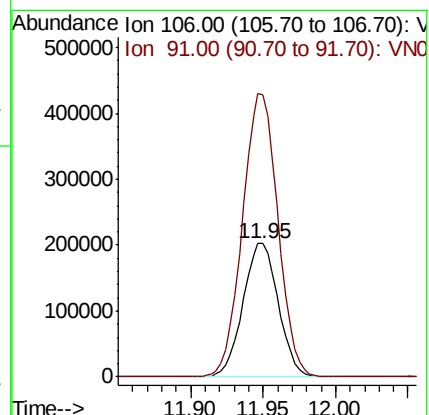
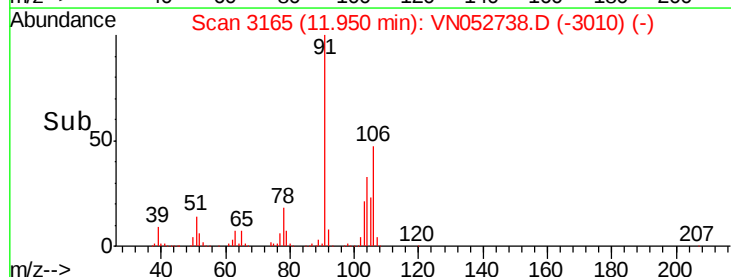
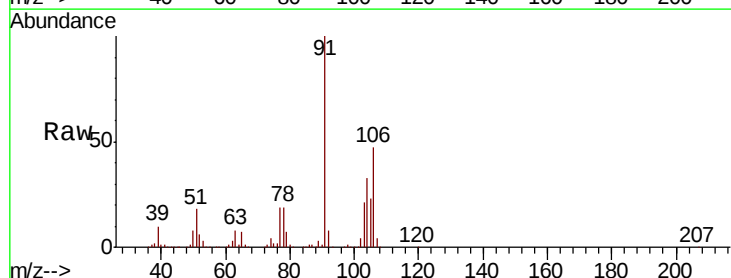
Acq: 7 Dec 2018 20:17

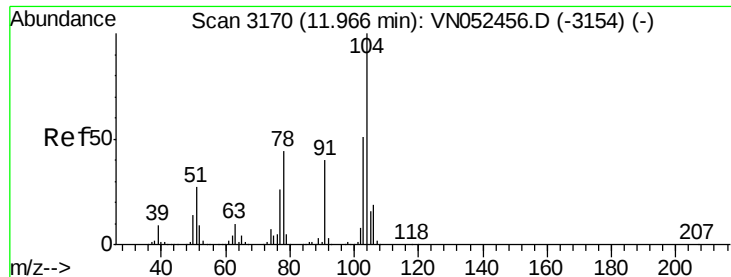
Tgt Ion:106 Resp: 342431

Ion Ratio Lower Upper

106 100

91 212.6 107.8 323.4

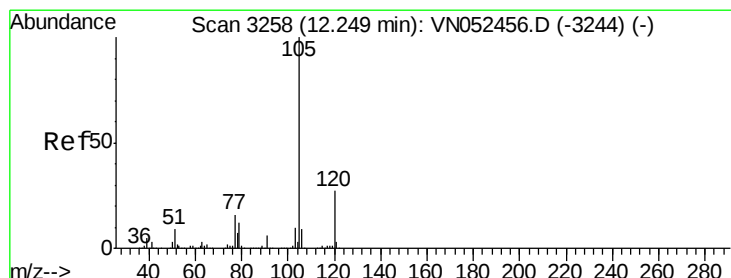
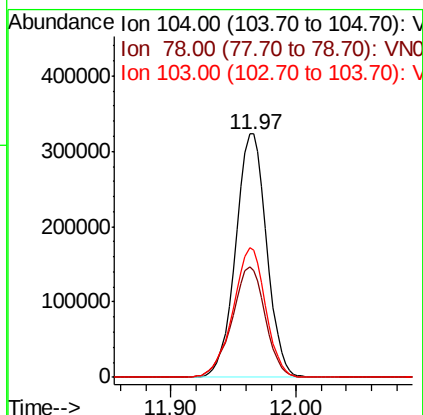
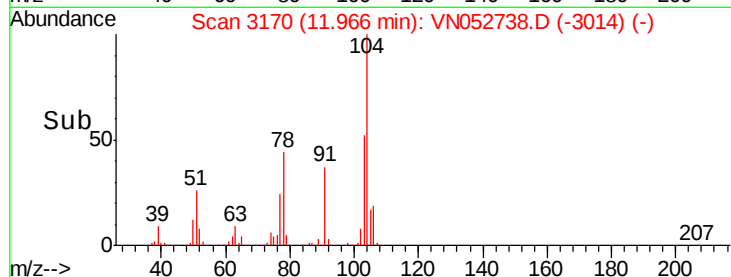
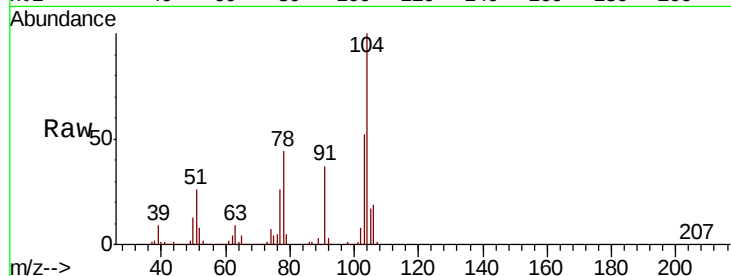




#69
Stvrene
Concen: 19.785 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

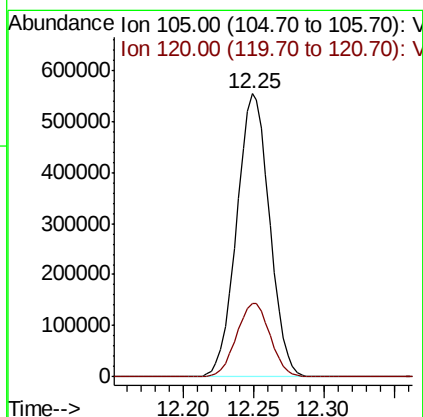
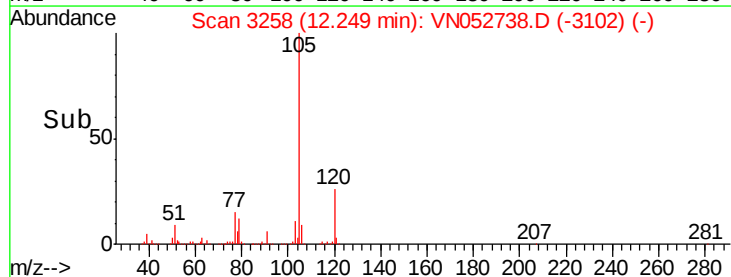
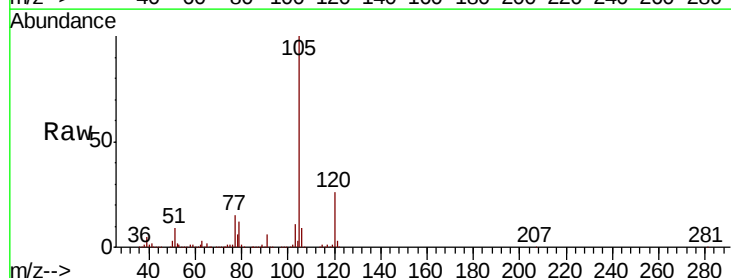
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

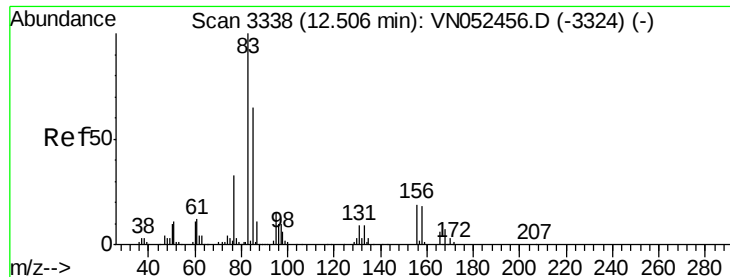
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.3	58.9
103	55.8	44.6	66.8



#70
Isopropylbenzene
Concen: 19.588 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.6	34.6

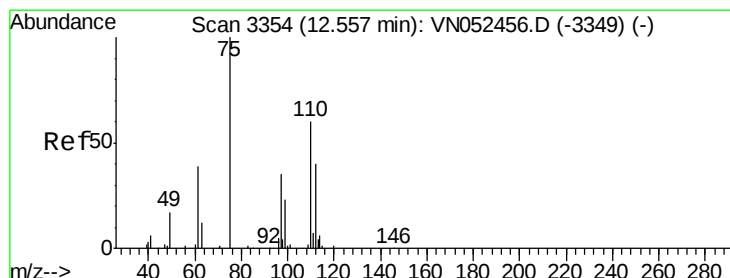
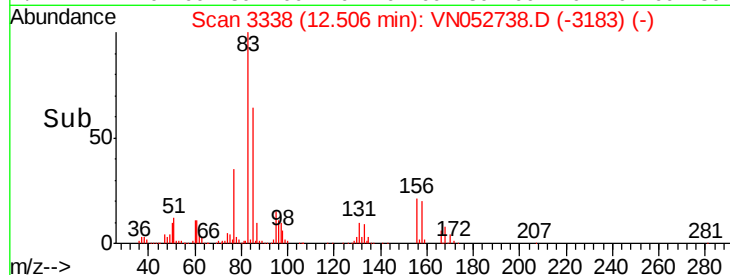
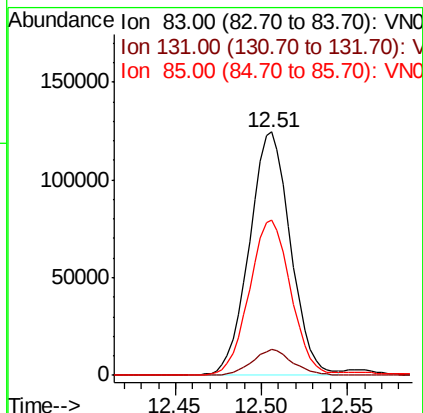
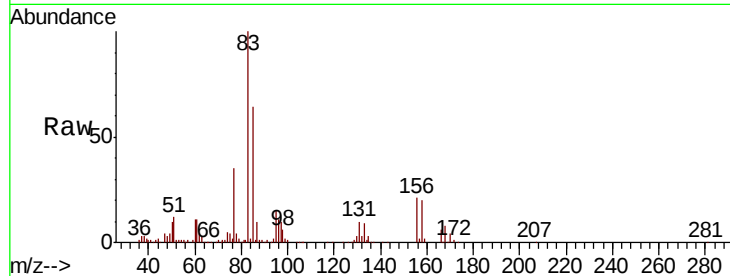




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.552 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

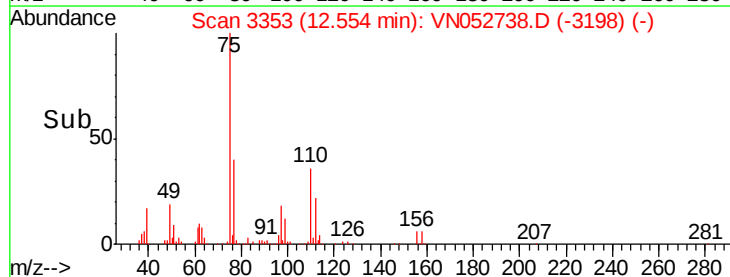
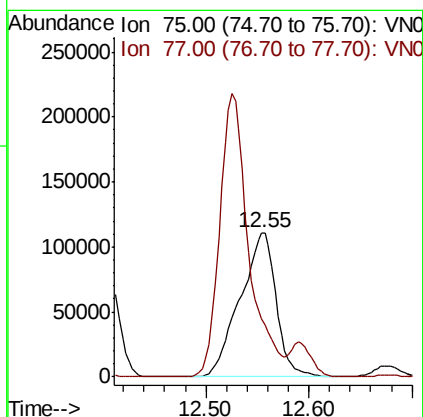
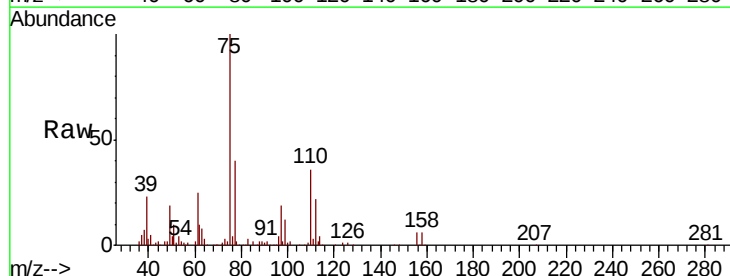
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

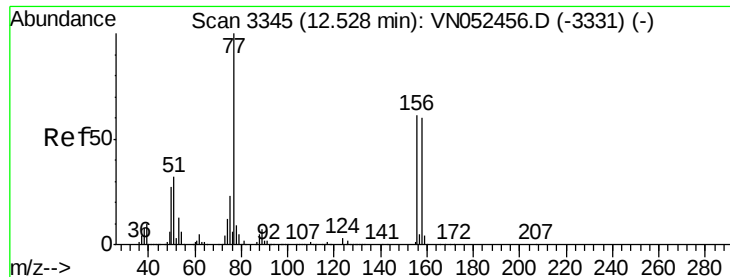
Tot Ion	83	Resp	206356
Ion Ratio	Lower	Upper	
83	100		
131	10.4	4.9	14.6
85	63.8	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.239 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion	75	Resp	269264
Ion Ratio	Lower	Upper	
75	100		
77	158.8	0.0	514.8





#73

Bromobenzene

Concen: 20.893 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

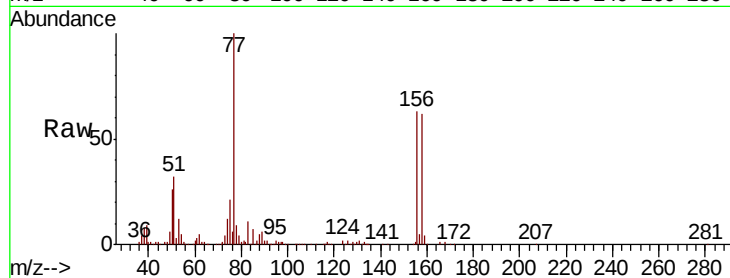
Tot Ion:156 Resp: 233245

Ion Ratio Lower Upper

156 100

77 183.3 0.0 382.6

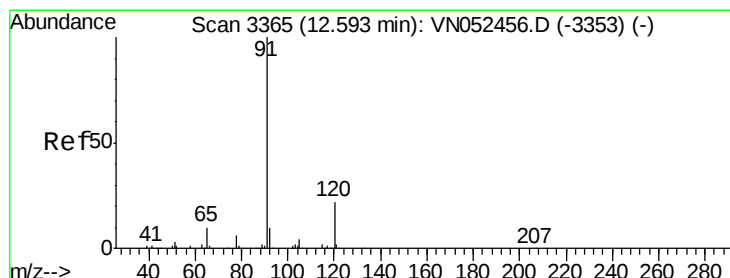
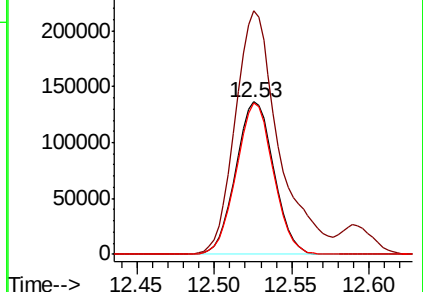
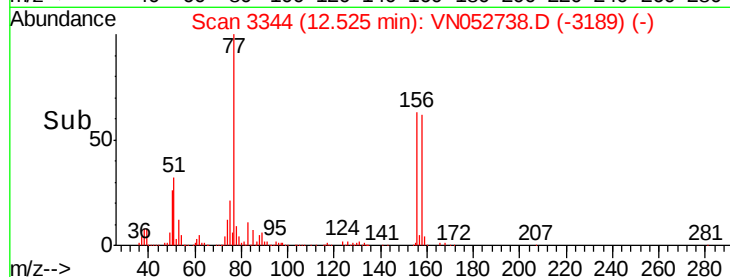
158 96.5 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.395 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052738.D

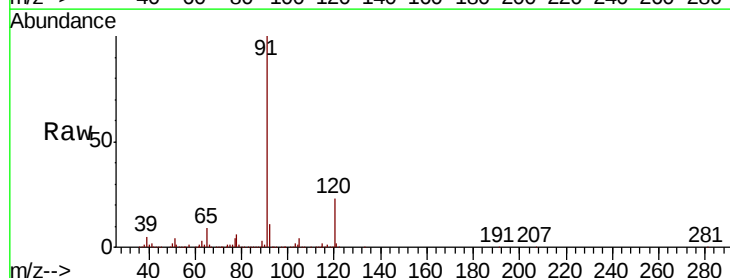
Acq: 7 Dec 2018 20:17

Tgt Ion: 91 Resp: 1043072

Ion Ratio Lower Upper

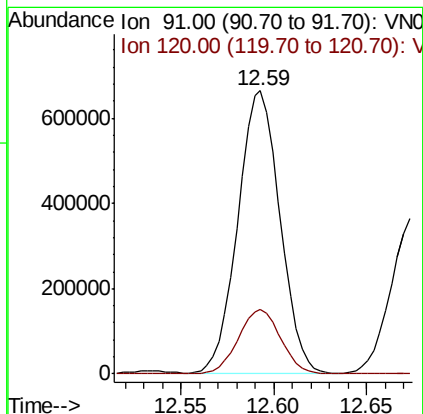
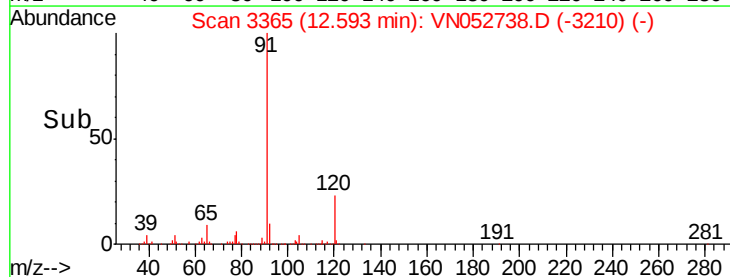
91 100

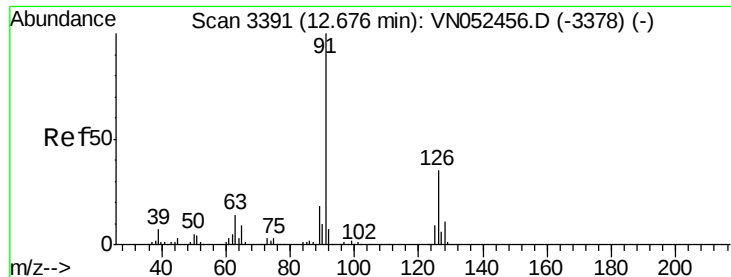
120 22.8 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.650 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

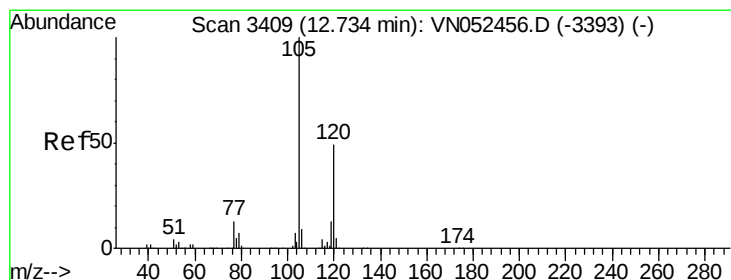
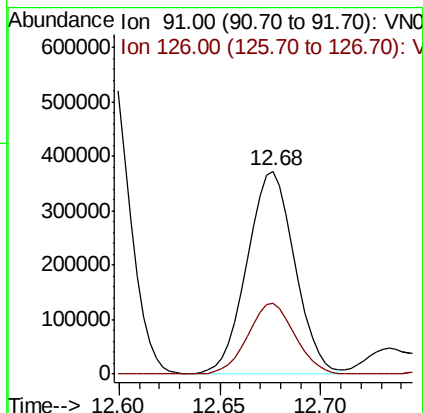
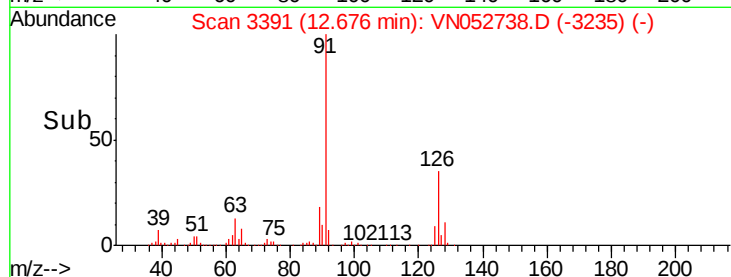
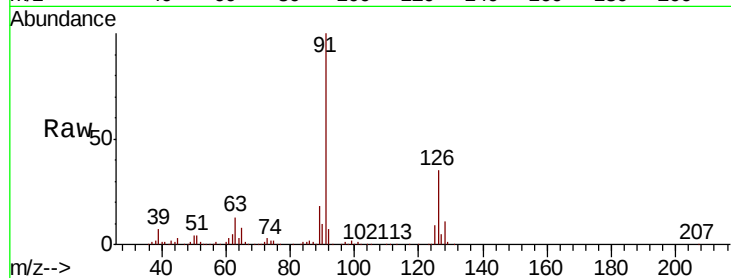
VSTDCCC020EC

Tot Ion: 91 Resp: 613431

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.904 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052738.D

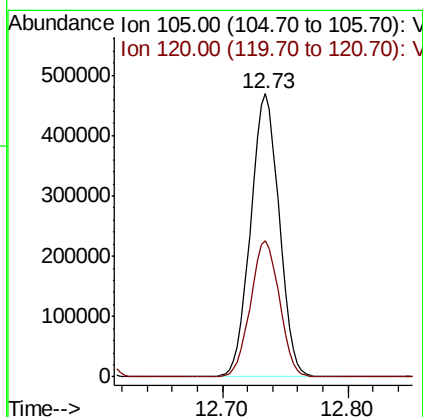
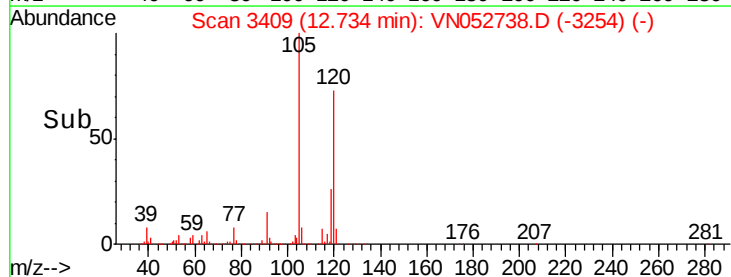
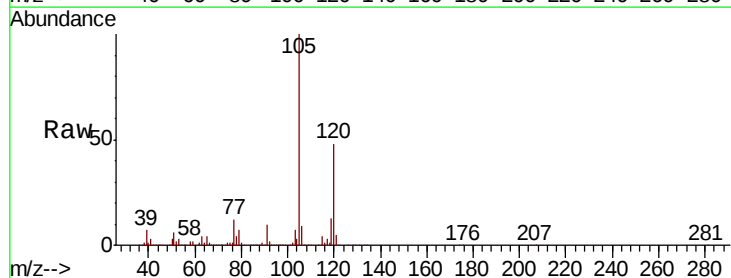
Acq: 7 Dec 2018 20:17

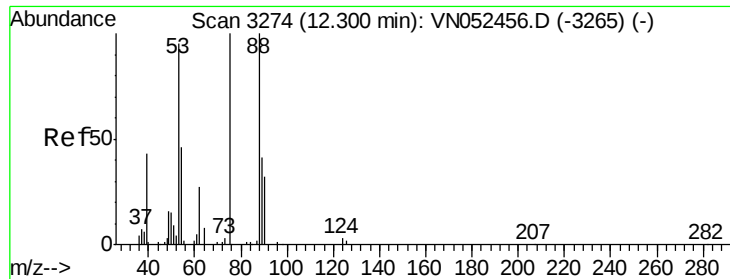
Tgt Ion: 105 Resp: 742075

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.926 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

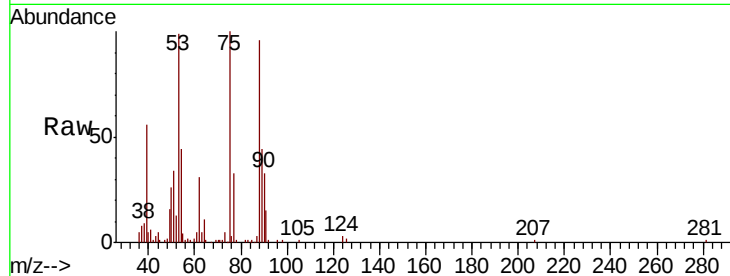
Tot Ion: 75 Resp: 54256

Ion Ratio Lower Upper

75 100

53 98.8 48.5 145.6

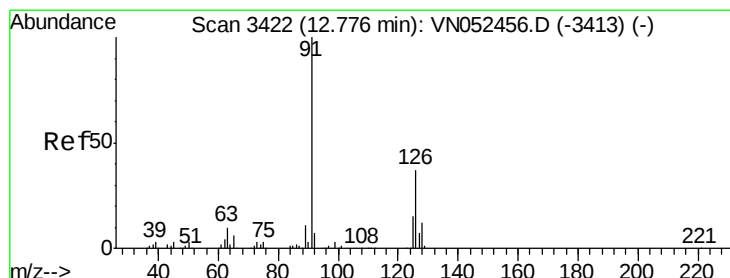
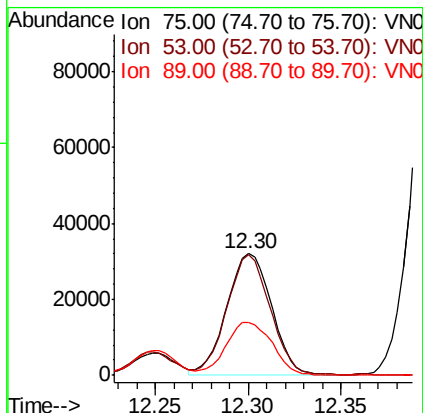
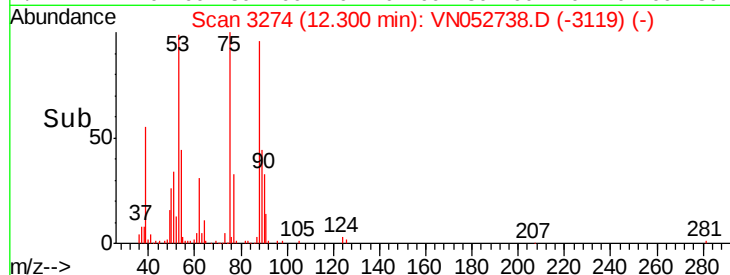
89 44.0 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.951 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052738.D

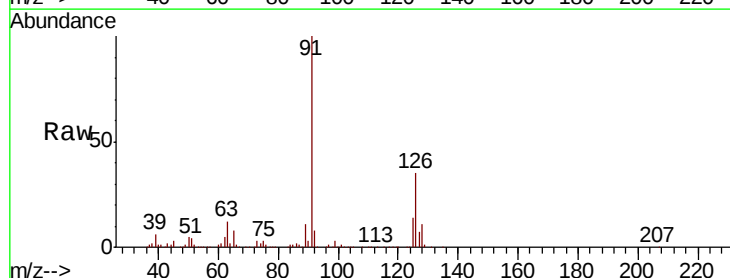
Acq: 7 Dec 2018 20:17

Tgt Ion: 91 Resp: 621965

Ion Ratio Lower Upper

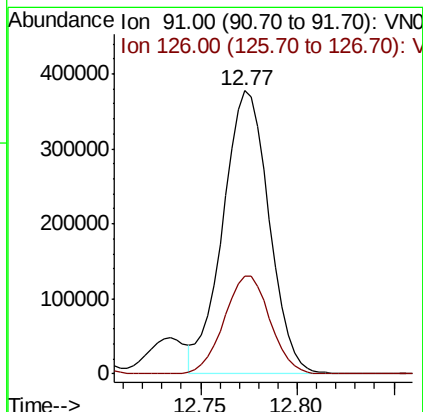
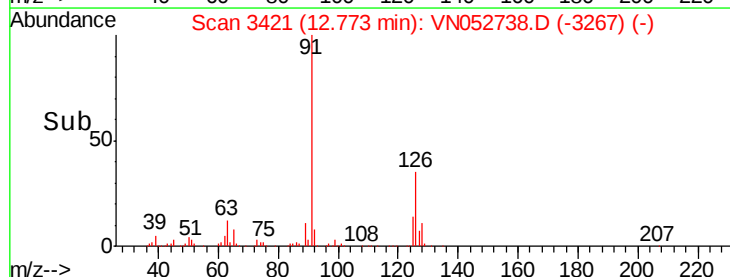
91 100

126 34.4 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

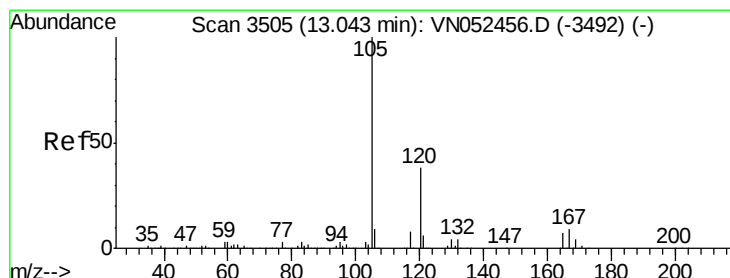
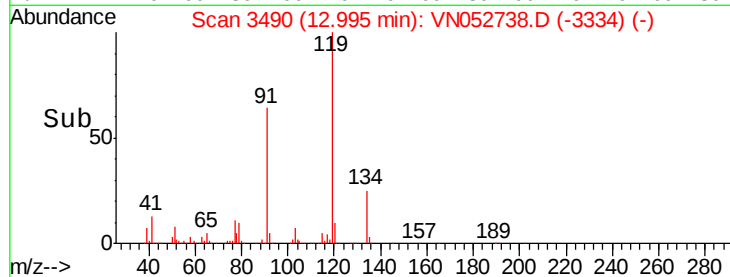
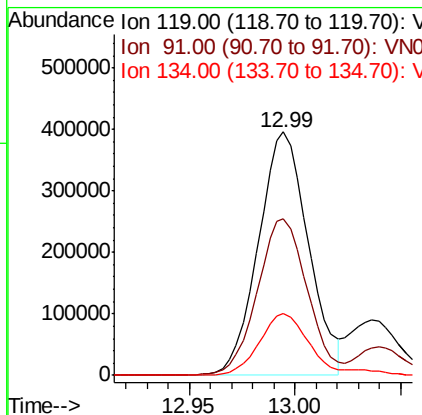
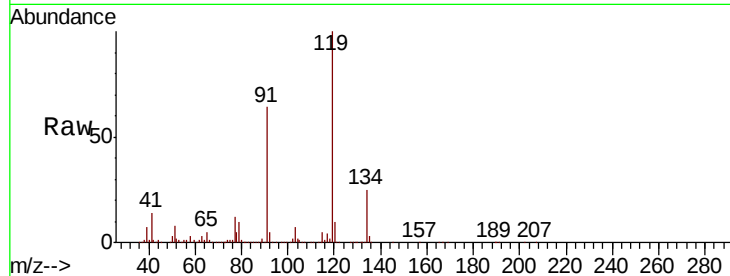




#79
tert-butylbenzene
Concen: 20.057 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

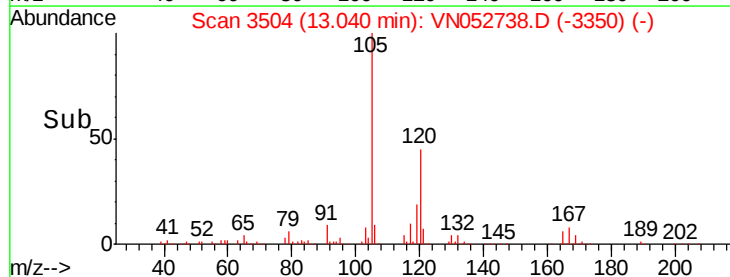
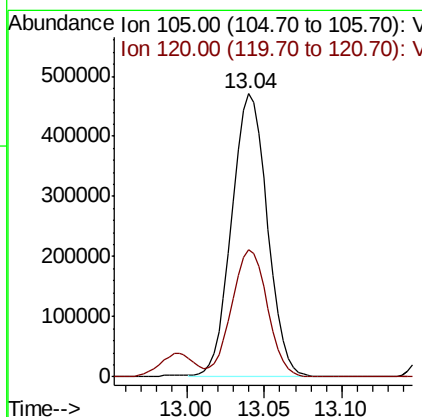
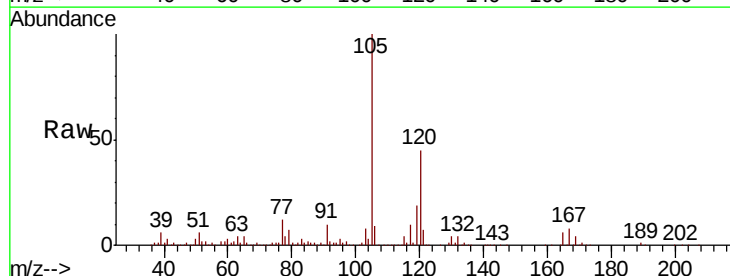
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

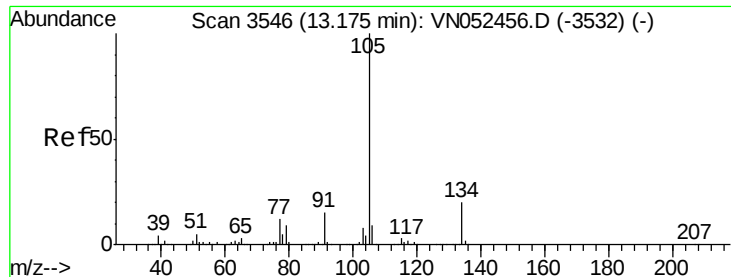
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	0.0	129.8
134	25.0	0.0	52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.114 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	0.0	91.0

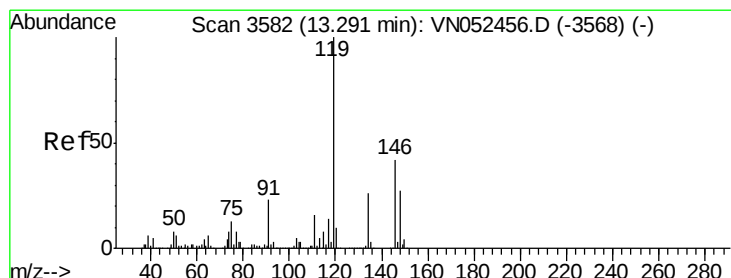
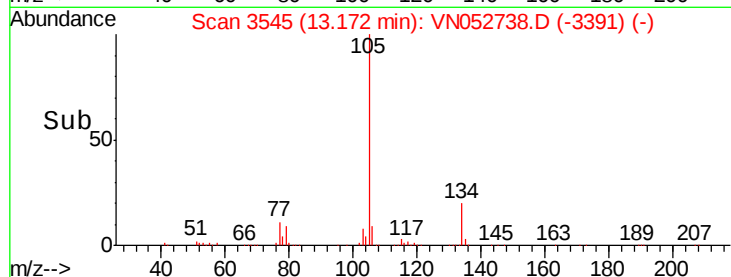
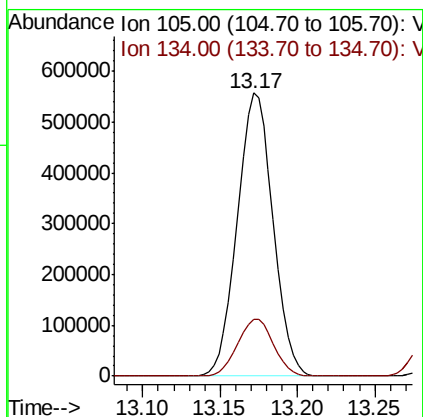
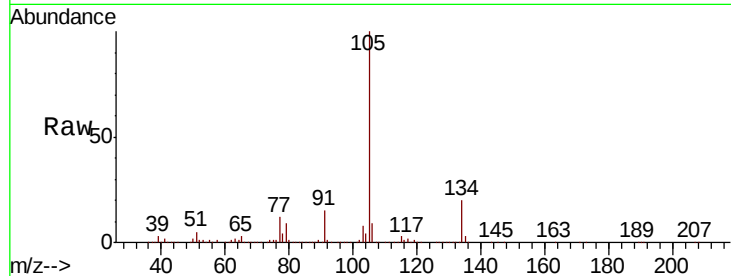




#81
 sec-Butylbenzene
 Concen: 19.691 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

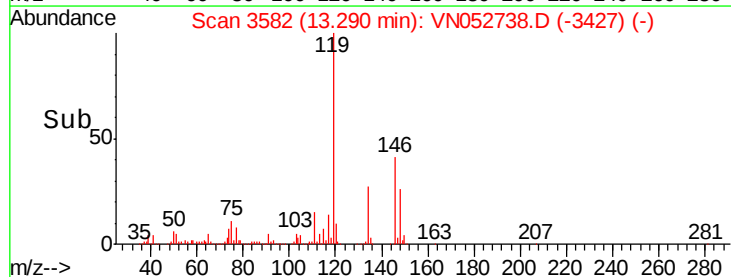
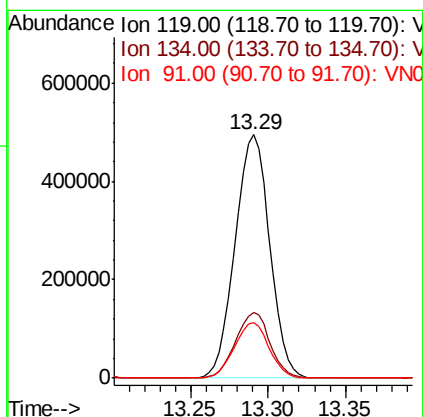
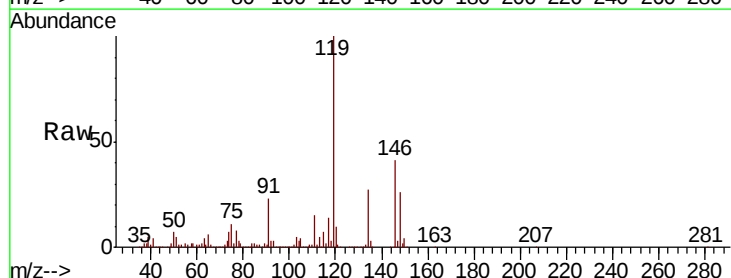
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

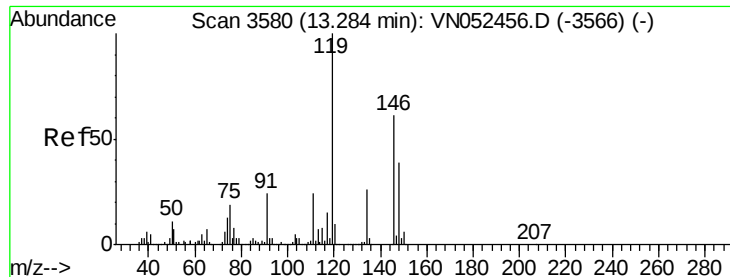
Tot Ion:105 Resp: 890504
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 19.915 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion:119 Resp: 766902
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 52.6
 91 22.7 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 20.855 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

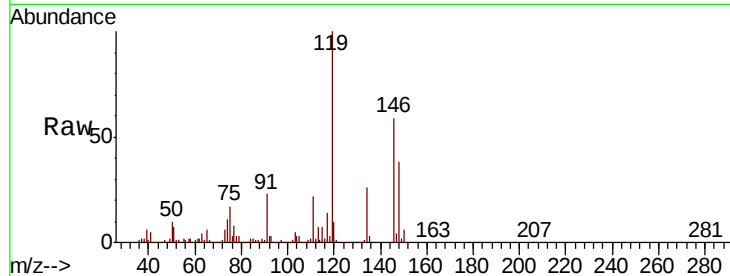
Tot Ion:146 Resp: 409475

Ion Ratio Lower Upper

146 100

111 37.9 19.7 59.0

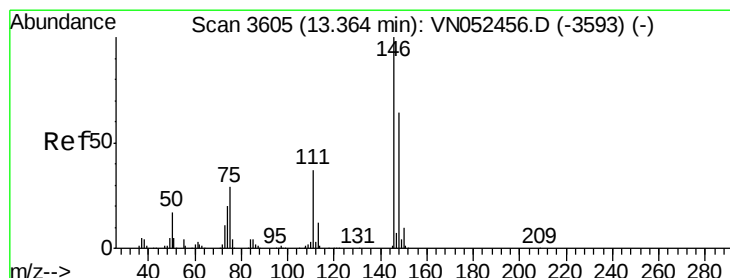
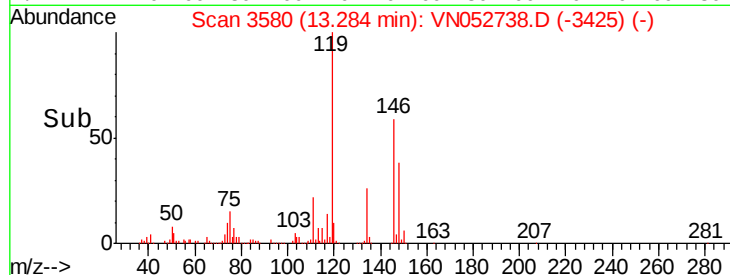
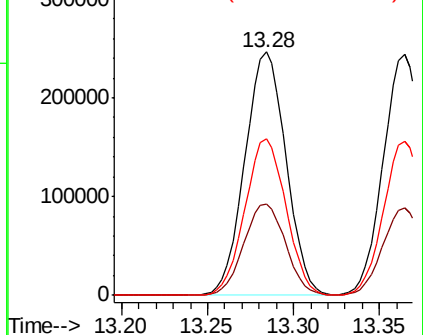
148 64.3 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 21.346 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

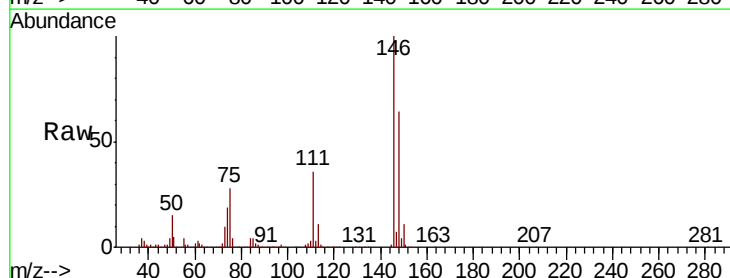
Tgt Ion:146 Resp: 404929

Ion Ratio Lower Upper

146 100

111 36.0 18.8 56.3

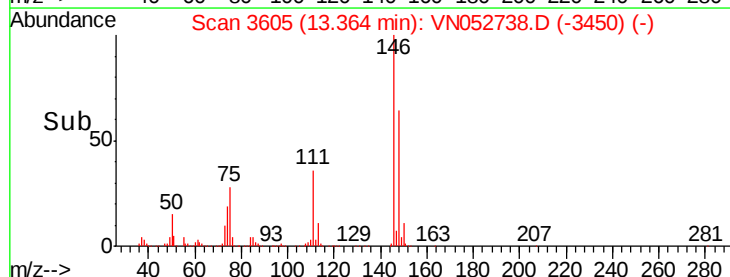
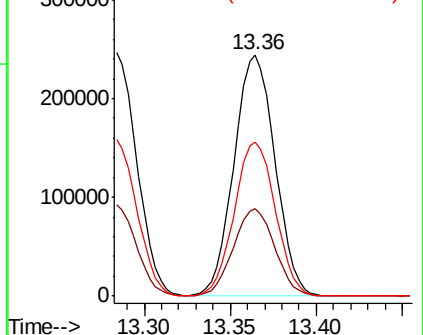
148 63.9 32.5 97.4

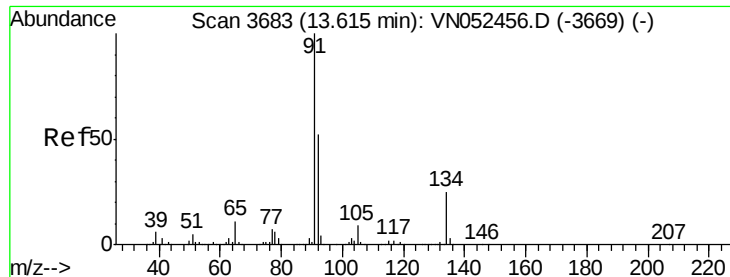


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

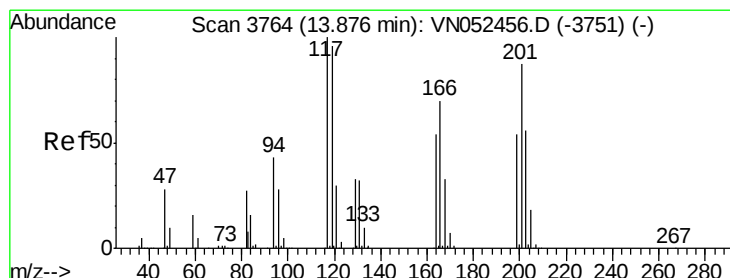
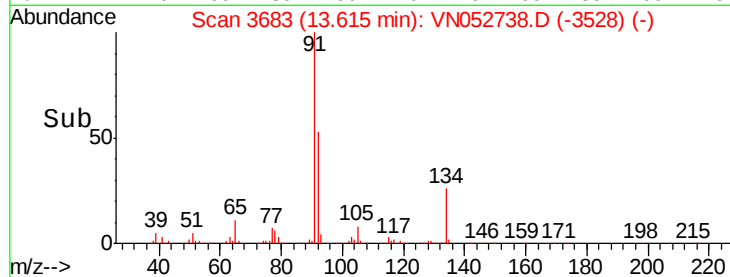
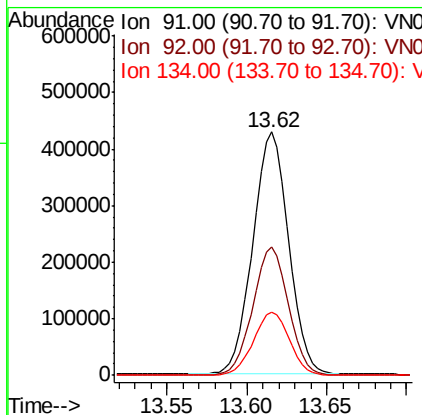
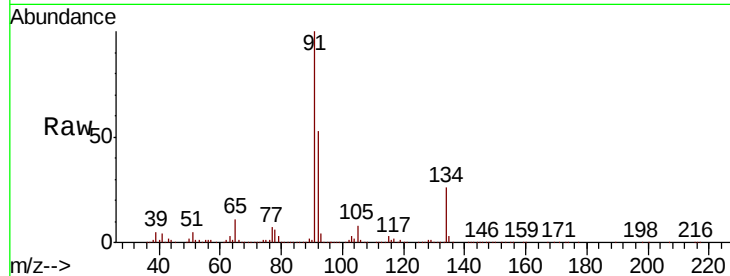




#85
n-Butylbenzene
Concen: 19.886 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

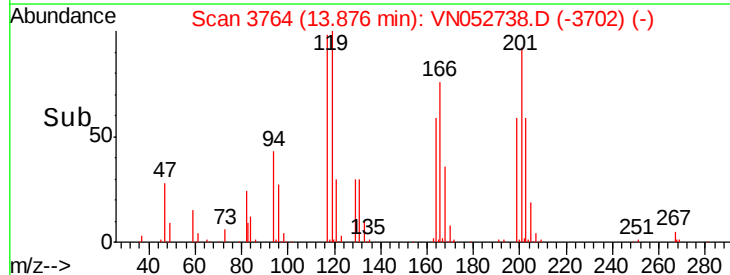
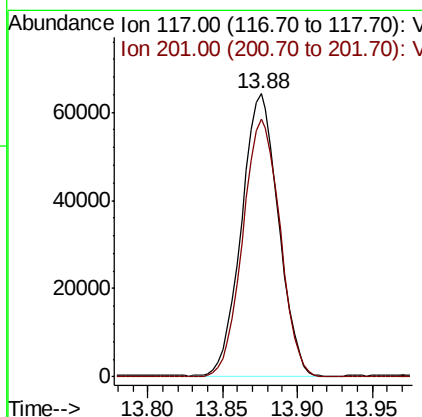
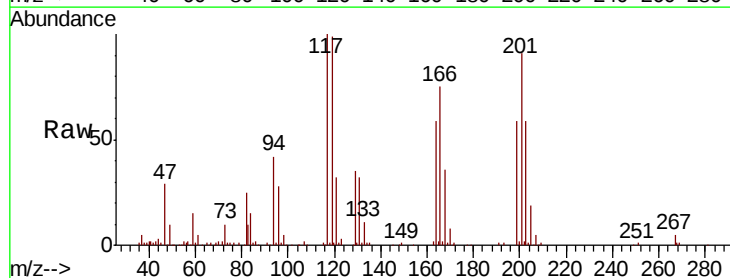
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

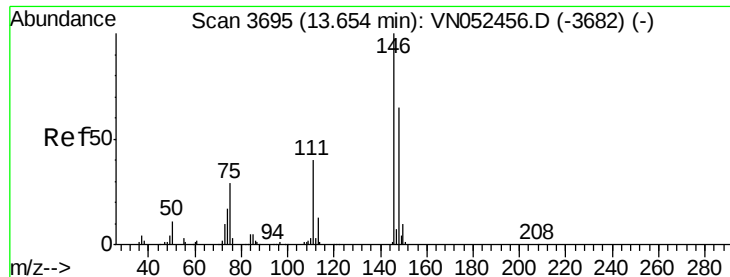
Tot Ion: 91 Resp: 657814
Ion Ratio Lower Upper
91 100
92 52.7 0.0 104.2
134 26.5 0.0 50.6



#86
Hexachloroethane
Concen: 16.899 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052738.D
Acq: 7 Dec 2018 20:17

Tgt Ion: 117 Resp: 110265
Ion Ratio Lower Upper
117 100
201 91.8 43.8 131.3

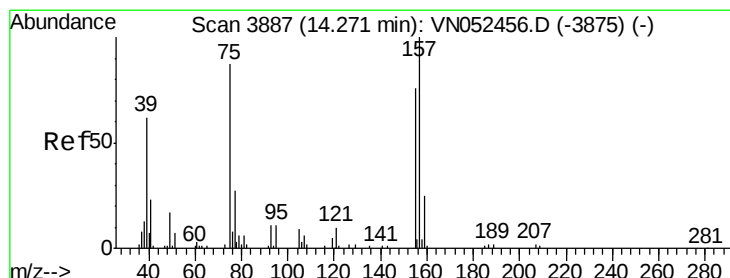
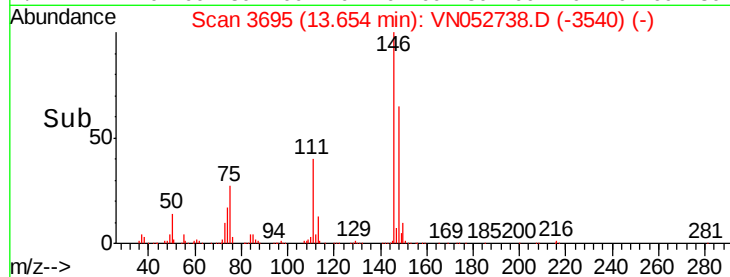
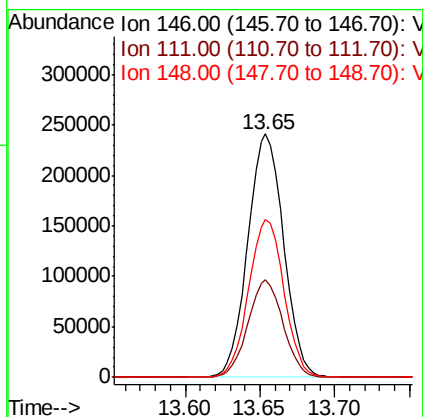
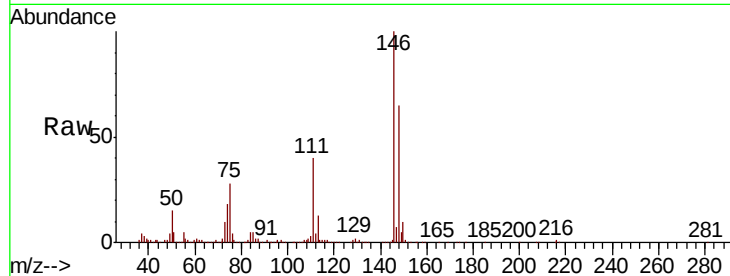




#87
 1,2-Dichlorobenzene
 Concen: 21.442 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

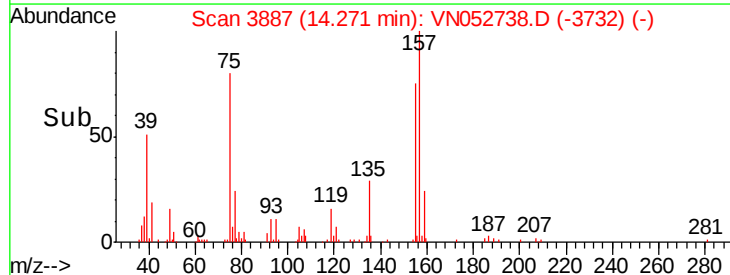
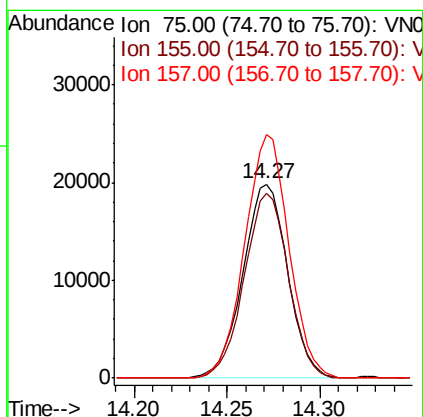
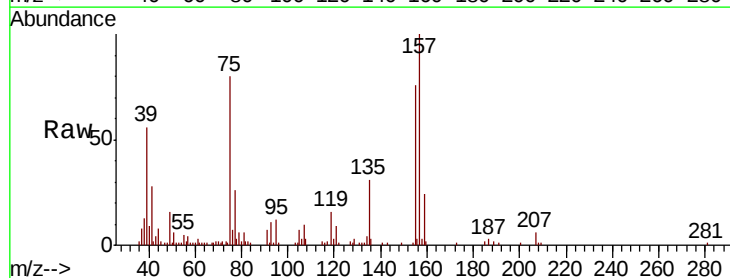
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

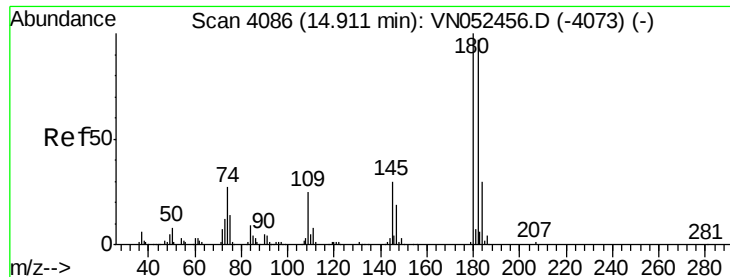
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.3	60.8
148	64.3	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.766 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	72.2	108.2
157	123.7	94.2	141.2

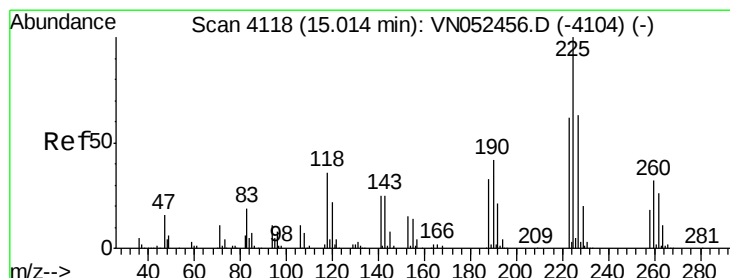
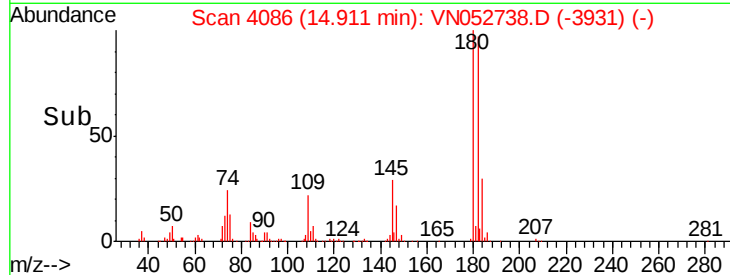
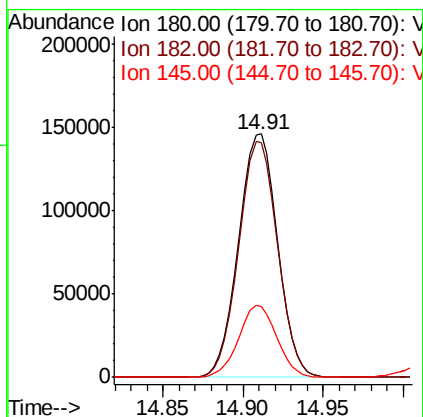
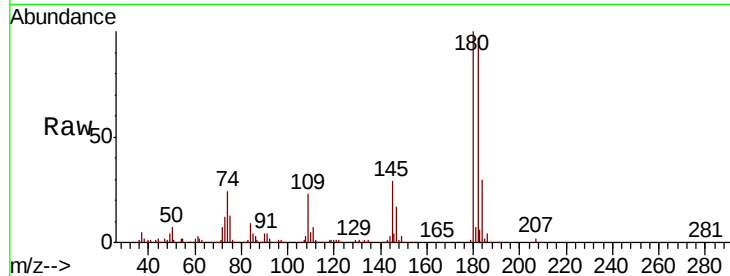




#89
 1,2,4-Trichlorobenzene
 Concen: 26.421 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

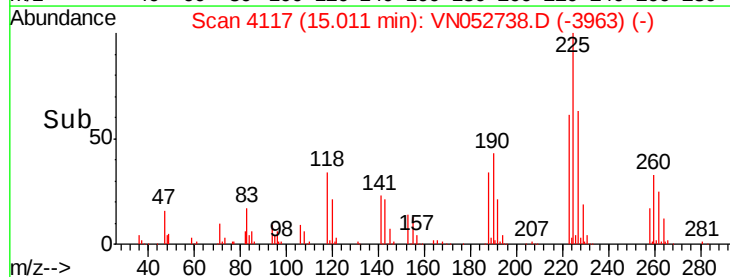
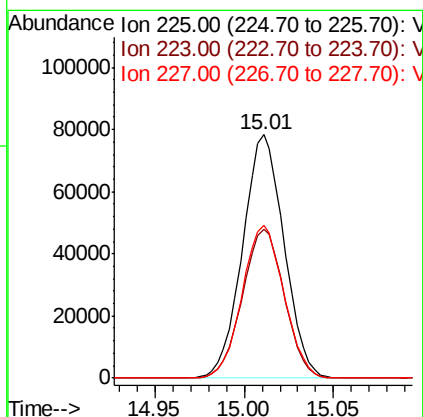
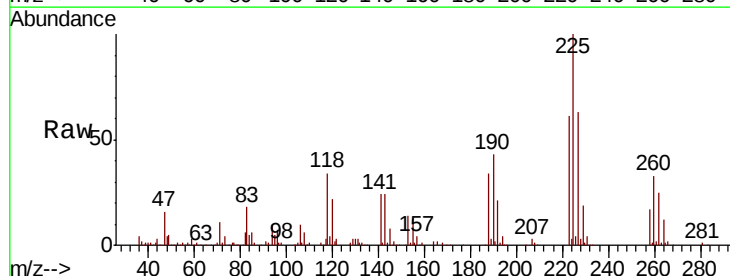
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

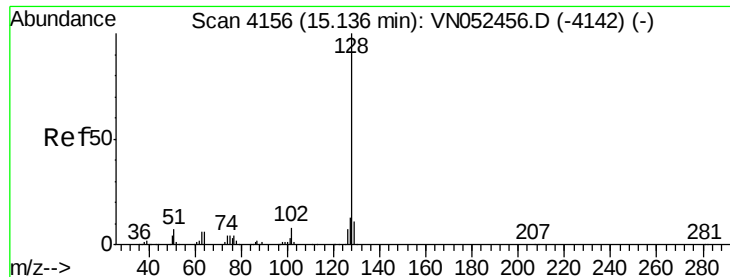
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	114.8
145	28.9	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 21.114 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052738.D
 Acq: 7 Dec 2018 20:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	0.0	125.6
227	63.0	0.0	127.8





#91

Naphthalene

Concen: 29.497 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

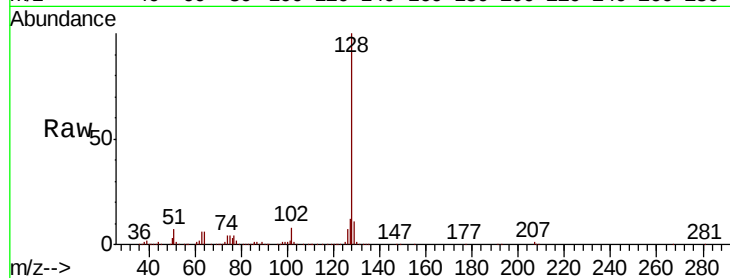
Tot Ion:128 Resp: 548323

Ion Ratio Lower Upper

128 100

127 12.6 9.9 14.9

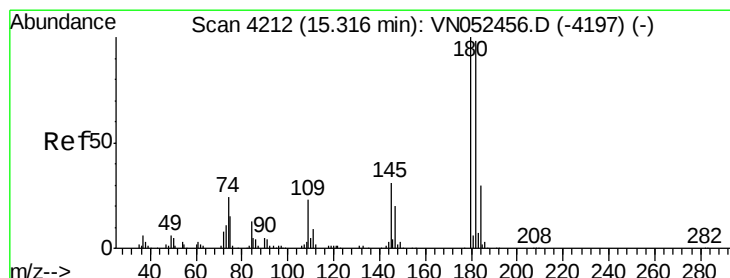
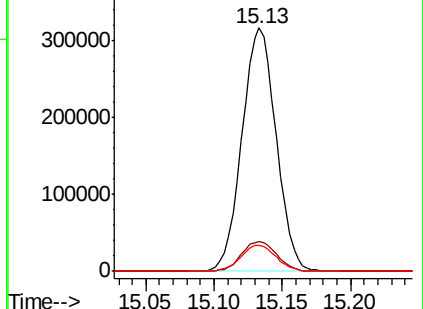
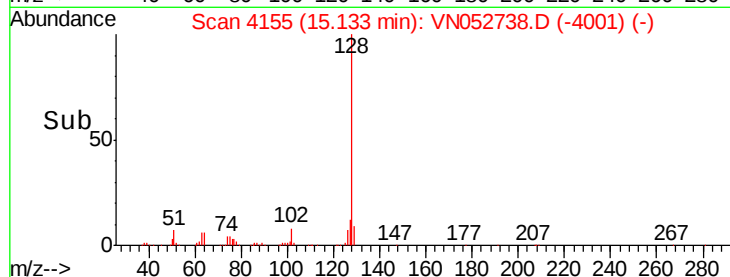
129 10.9 8.5 12.7



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: 26.724 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052738.D

Acq: 7 Dec 2018 20:17

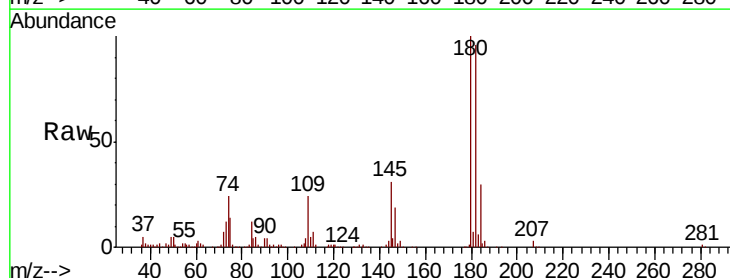
Tgt Ion:180 Resp: 226706

Ion Ratio Lower Upper

180 100

182 95.1 0.0 196.2

145 30.5 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

