

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052550.D
 Acq On : 29 Nov 2018 5:40
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Nov 29 07:15:01 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	187166	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1077076	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	931525	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	371627	29.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.13%
60) 4-Bromofluorobenzene	12.40	95	422717	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	10.09	98	1290509	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	192007	18.012	ug/l 100
3) Chloromethane	2.06	50	250778	17.739	ug/l 100
4) Vinyl Chloride	2.19	62	267321	18.735	ug/l 97
5) Bromomethane	2.58	94	149789	18.411	ug/l 96
6) Chloroethane	2.71	64	162305	19.128	ug/l 98
7) Trichlorofluoromethane	3.02	101	334696	19.007	ug/l 97
8) Diethyl Ether	3.41	74	124716	19.181	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203913	18.267	ug/l 97
10) 1,1-Dichloroethene	3.74	96	200840	19.135	ug/l 98
11) Methyl Iodide	3.96	142	277079	19.014	ug/l 99
12) Methyl Acetate	4.33	43	163819	18.370	ug/l 99
13) Acrolein	3.61	56	87017	83.067	ug/l 99
14) Acrylonitrile	4.99	53	353159	92.942	ug/l 97
15) Acetone	3.82	58	78146	79.412	ug/l 100
16) Carbon Disulfide	4.06	76	582264	17.522	ug/l 100
17) Allyl chloride	4.33	41	302829	16.544	ug/l 97
18) Methylene Chloride	4.55	84	234272	19.277	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	217926	19.294	ug/l 95
20) Diisopropyl ether	5.95	45	718265	18.673	ug/l 99
21) 1,1-Dichloroethane	5.85	63	415381	18.946	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	246897	19.072	ug/l 97
23) tert-Butyl Alcohol	4.78	59	60308	106.692	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	545403	19.808	ug/l 98
25) Chloroform	7.37	83	407429	19.263	ug/l 97
26) Cyclohexane	7.66	56	372385	18.009	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	312273	18.985	ug/l 99
30) 2-Butanone	6.84	43	385198	87.520	ug/l 99
31) 2,2-Dichloropropane	6.83	77	220730	14.577	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	334458	19.542	ug/l 98
33) Carbon Tetrachloride	7.77	117	285714	19.079	ug/l 97
34) Benzene	8.04	78	945423	19.118	ug/l 99
35) Methacrylonitrile	7.17	41	97886	17.926	ug/l 97
36) 1,2-Dichloroethane	8.13	62	290655	19.396	ug/l 100
37) Trichloroethene	8.84	130	245161	19.551	ug/l 97
38) Methylcyclohexane	9.08	83	364664	17.910	ug/l 97
39) 1,2-Dichloropropane	9.12	63	247247	18.652	ug/l 96
40) Dibromomethane	9.21	93	141497	19.753	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	300676	18.998	ug/l	97
42) Vinyl Acetate	5.90	43	2179817	91.537	ug/l	99
43) Ethyl Acetate	6.93	43	176034	18.810	ug/l #	70
44) Isopropyl Acetate	8.17	43	325579	19.836	ug/l	99
45) 1,4-Dioxane	9.20	88	37799	420.961	ug/l	93
46) Methyl methacrylate	9.20	41	164238	19.272	ug/l	98
47) n-amyl Acetate	12.07	43	246950	18.146	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	273269	17.808	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	332858	17.803	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	202268	19.920	ug/l	99
51) Ethyl methacrylate	10.43	69	248971	19.523	ug/l	96
52) 1,3-Dichloropropane	10.71	76	343302	18.994	ug/l	99
53) Dibromochloromethane	10.90	129	214632	19.199	ug/l	99
54) 1,2-Dibromoethane	11.01	107	194691	19.622	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	695318	93.144	ug/l	99
56) Bromoform	12.13	173	137148	18.769	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	897232	99.351	ug/l	98
59) 2-Hexanone	10.75	43	573152	92.907	ug/l	98
61) Tetrachloroethene	10.63	164	243603	21.233	ug/l	98
62) Toluene	10.16	91	1011457	19.696	ug/l	99
64) Chlorobenzene	11.44	112	617086	19.688	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	214170	19.685	ug/l	99
66) Ethyl Benzene	11.51	91	1079366	19.502	ug/l	99
67) m/p-Xylenes	11.62	106	814254	39.490	ug/l	99
68) o-Xylene	11.95	106	399079	19.941	ug/l	98
69) Styrene	11.96	104	632166	19.570	ug/l	100
70) Isopropylbenzene	12.25	105	1059290	19.893	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	229708	19.831	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	275631	27.720	ug/l	51
73) Bromobenzene	12.53	156	258981	20.110	ug/l	95
74) n-propylbenzene	12.59	91	1187852	19.146	ug/l	100
75) 2-Chlorotoluene	12.68	91	707209	19.638	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	846846	19.690	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	49908	15.889	ug/l	94
78) 4-Chlorotoluene	12.77	91	697174	19.386	ug/l	100
79) tert-butylbenzene	12.99	119	754417	20.141	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	850433	19.761	ug/l	99
81) sec-Butylbenzene	13.17	105	999480	19.158	ug/l	100
82) p-Isopropyltoluene	13.29	119	855881	19.266	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	442493	19.536	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	427567	19.538	ug/l	98
85) n-Butylbenzene	13.62	91	684777	17.945	ug/l	99
86) Hexachloroethane	13.88	117	135319	17.977	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	430958	19.994	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30599	18.859	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	200576	18.888	ug/l	99
90) Hexachlorobutadiene	15.01	225	131037	18.810	ug/l	100
91) Naphthalene	15.14	128	411432	19.186	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	188885	19.301	ug/l	98

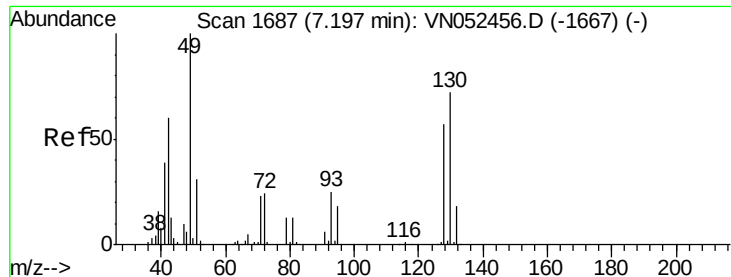
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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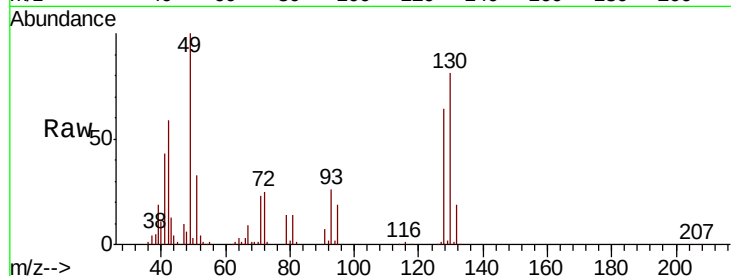
(#) = qualifier out of range (m) = manual integration (+) = signals summed



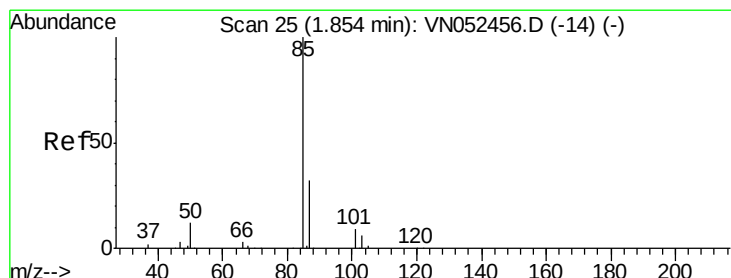
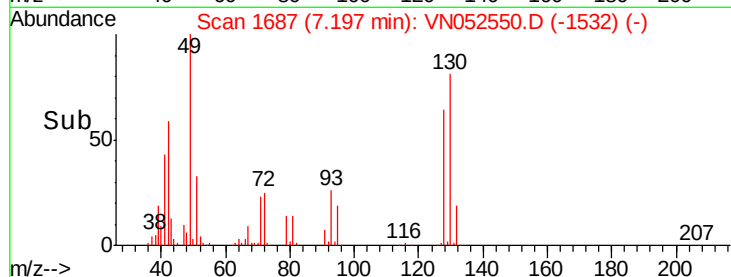
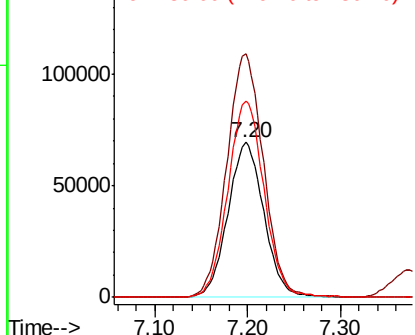
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 187166
Ion Ratio Lower Upper
128 100
49 159.8 0.0 431.8
130 127.9 0.0 317.0

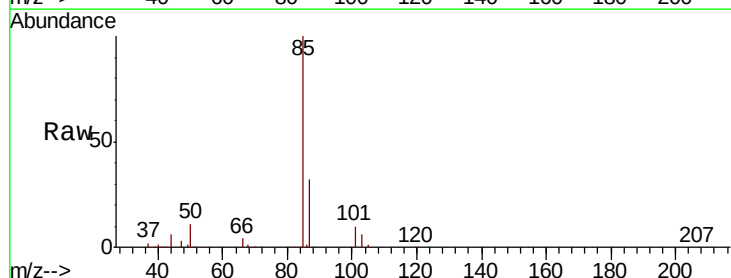


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

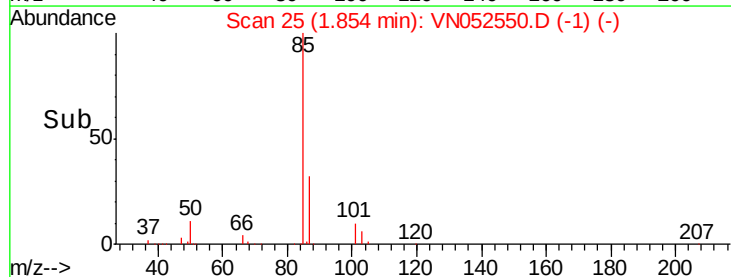
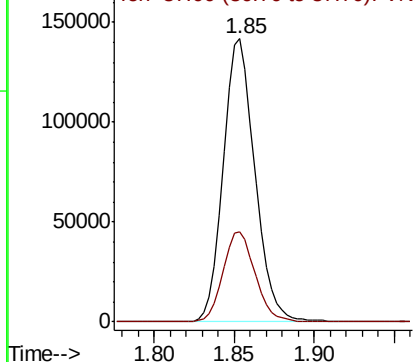


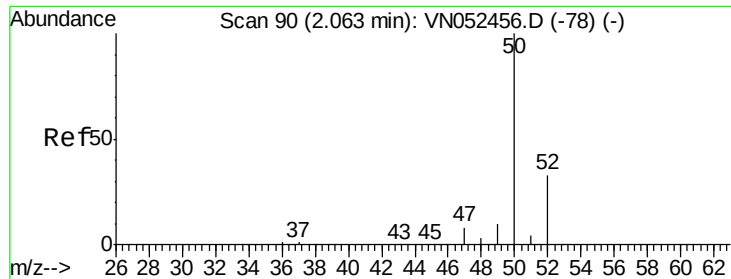
#2
Dichlorodifluoromethane
Concen: 18.012 ug/l
RT: 1.85 min Scan# 25
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion: 85 Resp: 192007
Ion Ratio Lower Upper
85 100
87 32.0 16.1 48.3



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





#3

Chloromethane

Concen: 17.739 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

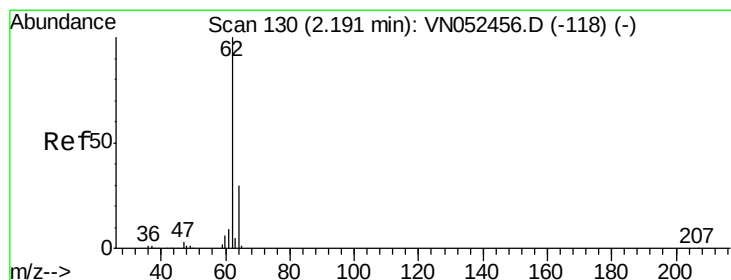
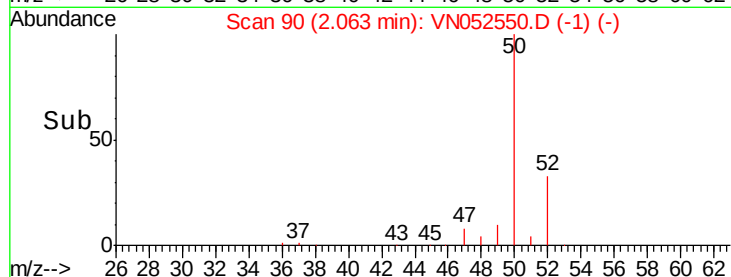
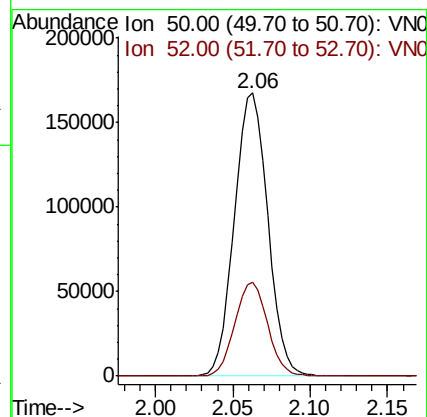
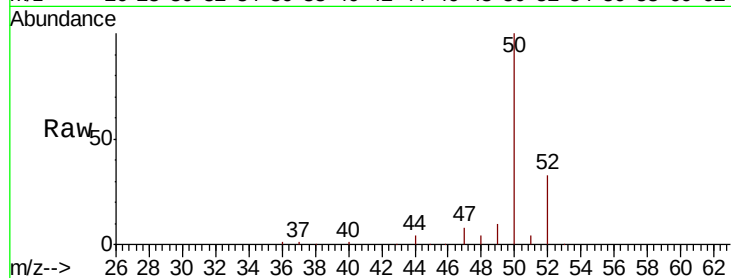
VSTDCCC020EC

Tot Ion: 50 Resp: 250778

Ion Ratio Lower Upper

50 100

52 33.4 26.5 39.7



#4

Vinyl Chloride

Concen: 18.735 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052550.D

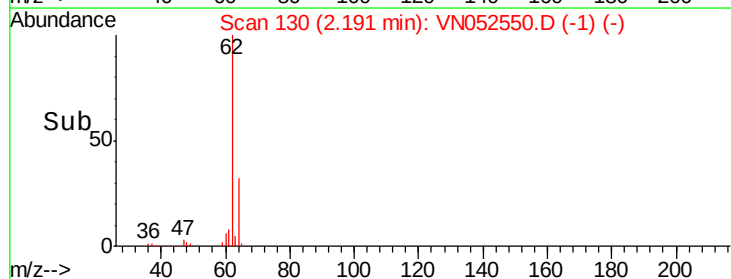
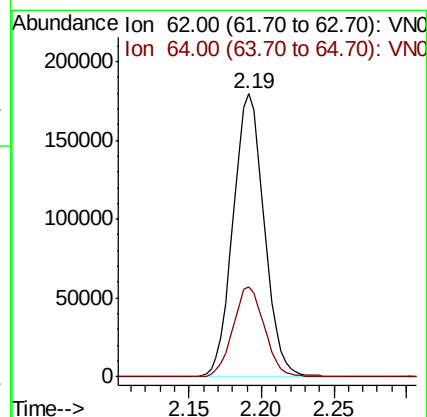
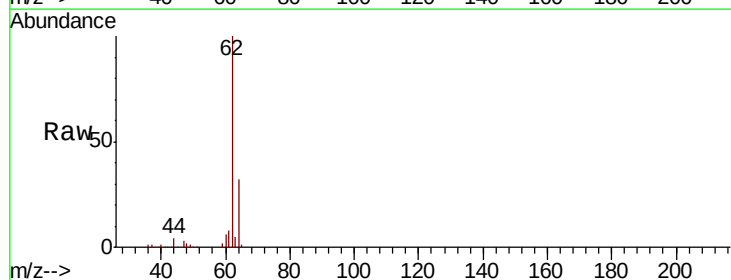
Acq: 29 Nov 2018 5:40

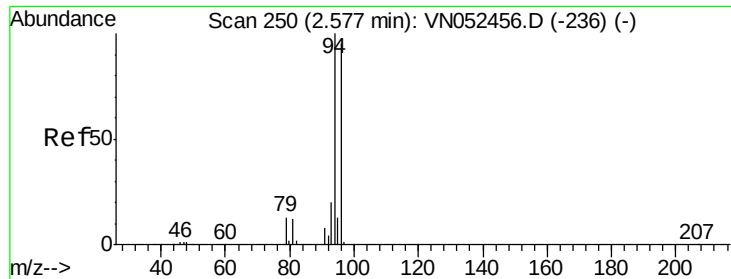
Tgt Ion: 62 Resp: 267321

Ion Ratio Lower Upper

62 100

64 32.0 24.2 36.4





#5

Bromomethane

Concen: 18.411 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

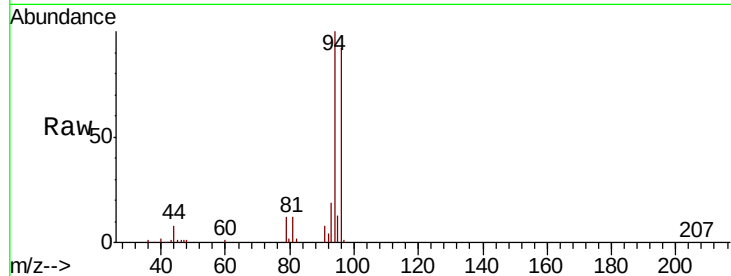
VSTDCCC020EC

Tot Ion: 94 Resp: 149789

Ion Ratio Lower Upper

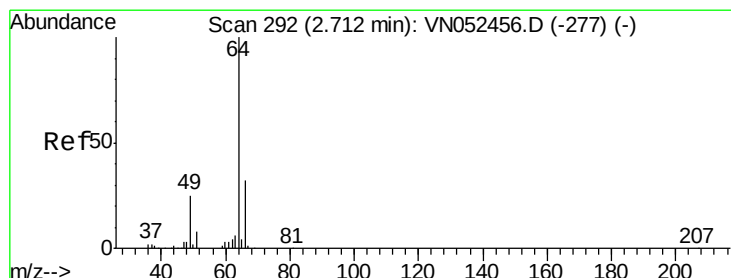
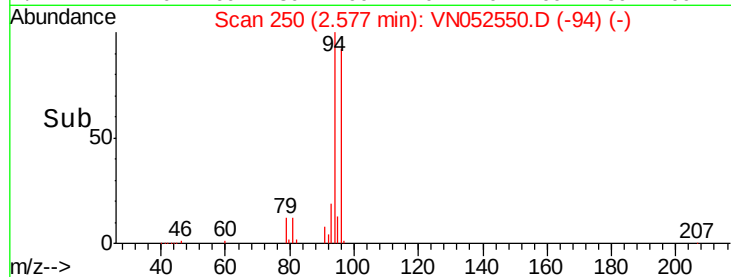
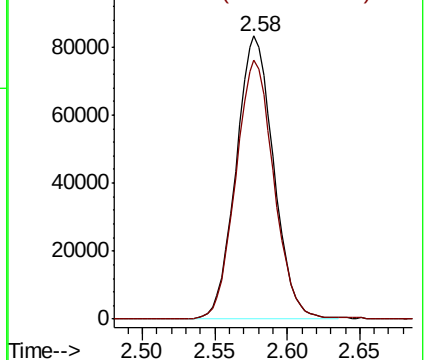
94 100

96 91.5 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.128 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052550.D

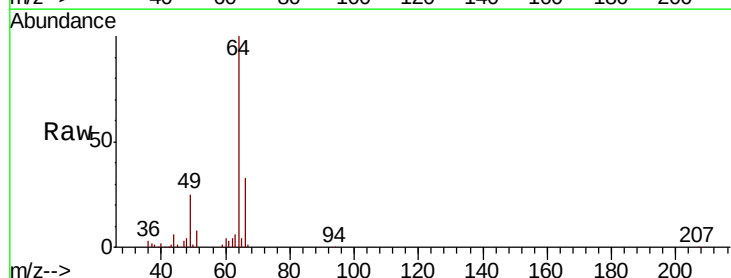
Acq: 29 Nov 2018 5:40

Tgt Ion: 64 Resp: 162305

Ion Ratio Lower Upper

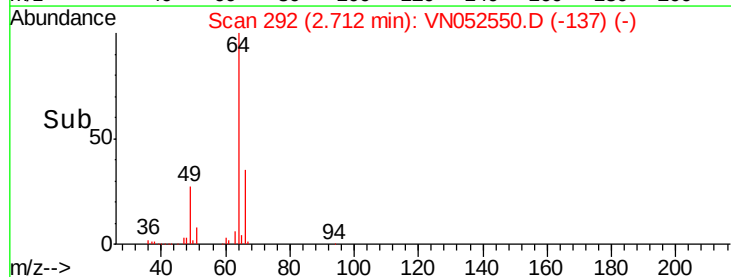
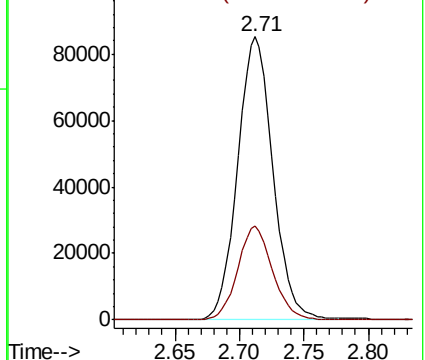
64 100

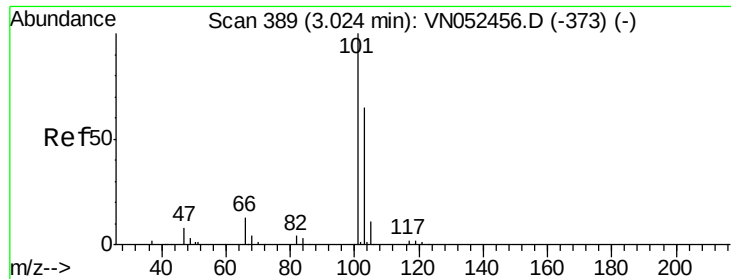
66 33.1 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



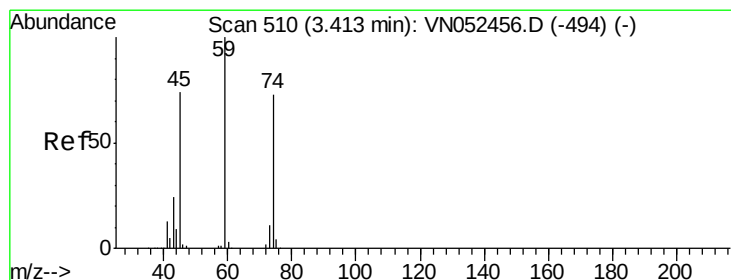
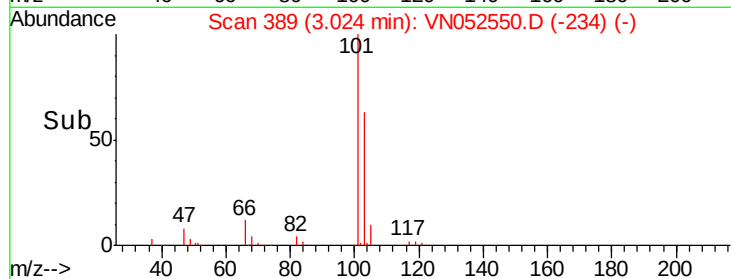
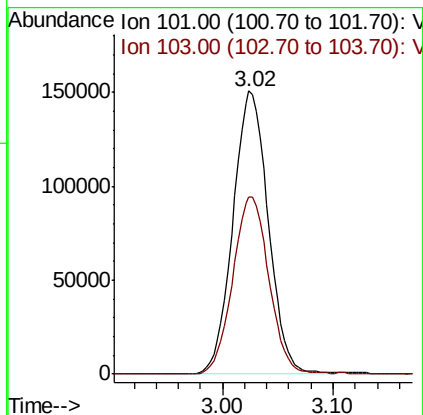
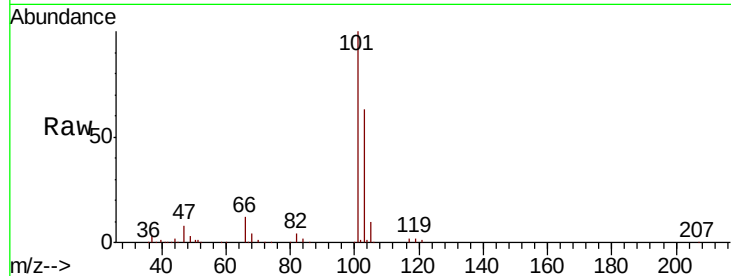


#7

Trichlorofluoromethane
 Concen: 19.007 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Instrument :
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 VSTDCCC020EC

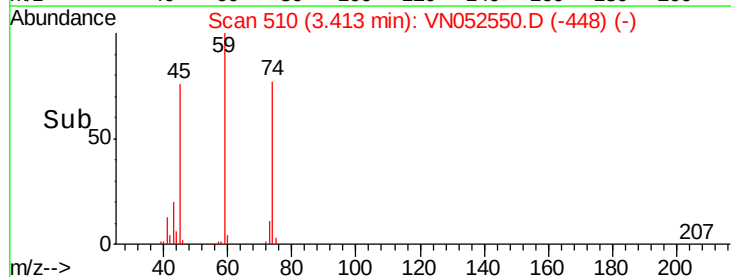
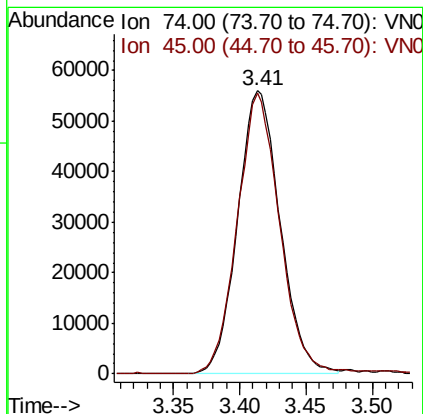
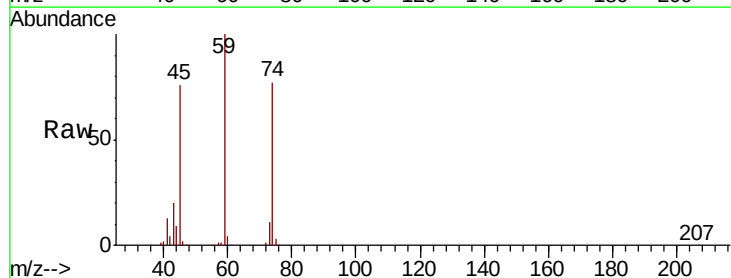
Tot Ion:101 Resp: 334696
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.1 78.1

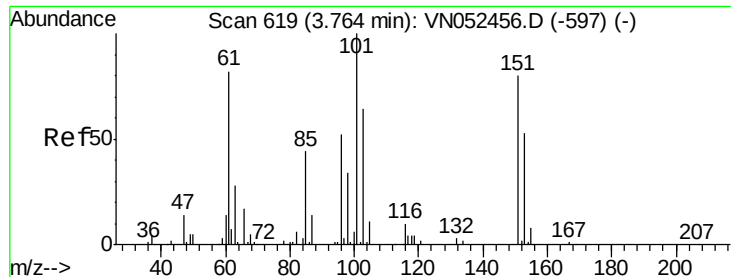


#8

Diethyl Ether
 Concen: 19.181 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 74 Resp: 124716
 Ion Ratio Lower Upper
 74 100
 45 98.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.267 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

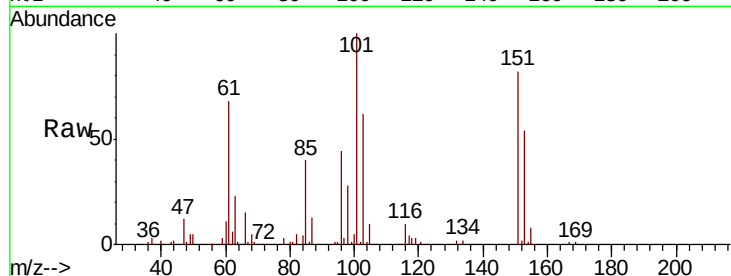
Tot Ion:101 Resp: 203913

Ion Ratio Lower Upper

101 100

85 41.6 0.0 82.6

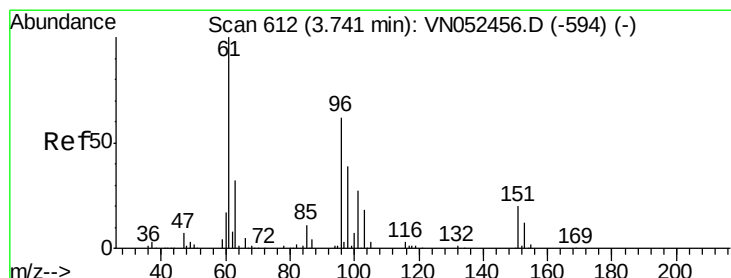
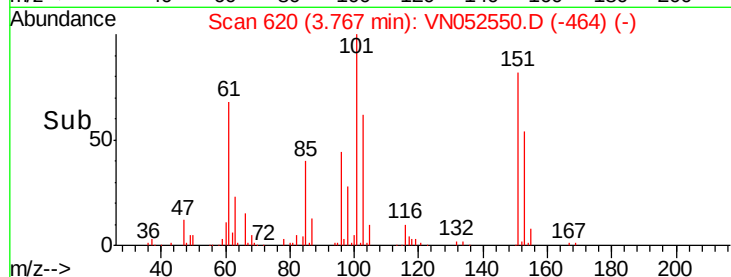
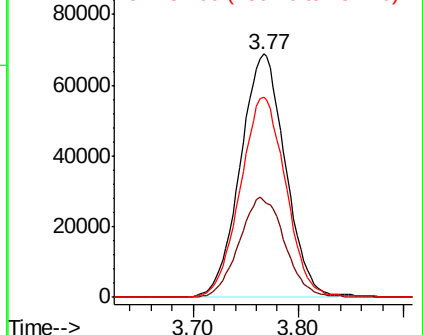
151 83.4 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.135 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

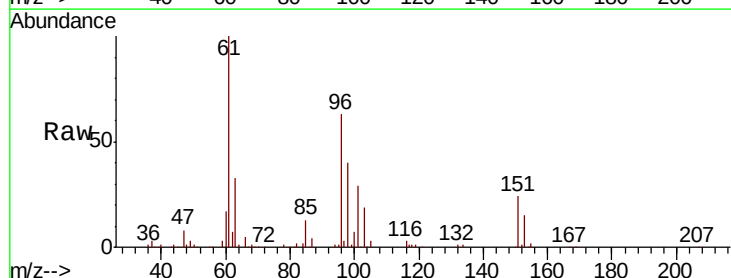
Tgt Ion: 96 Resp: 200840

Ion Ratio Lower Upper

96 100

61 158.8 129.4 194.2

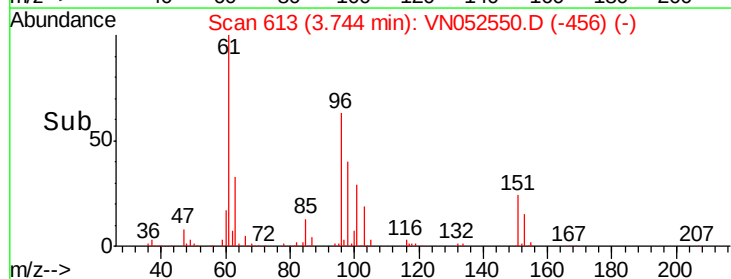
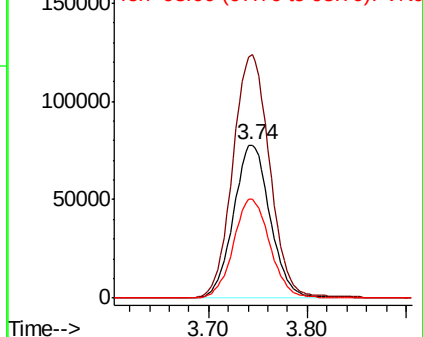
98 64.3 50.4 75.6

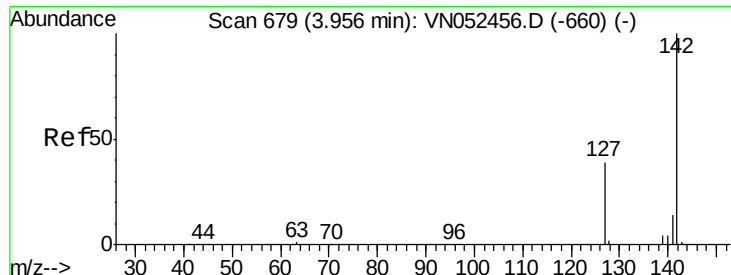


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

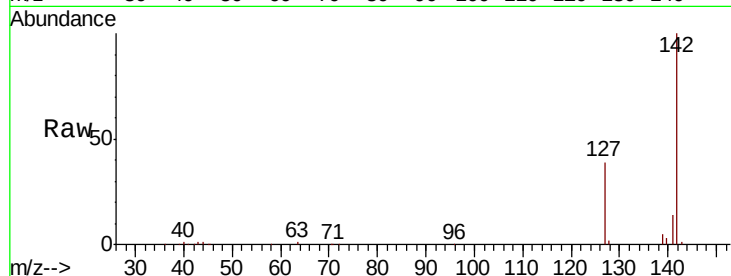




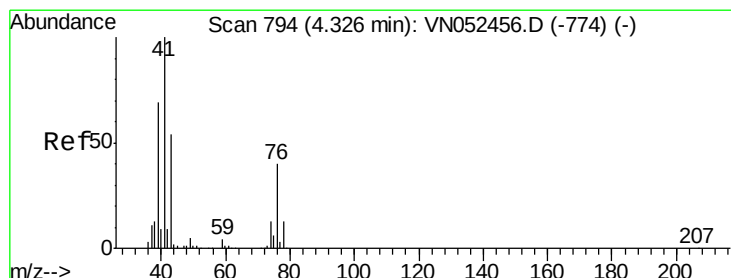
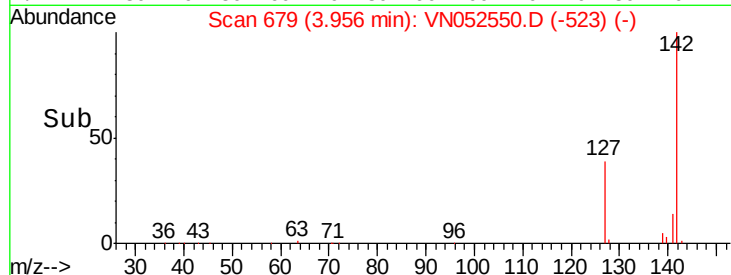
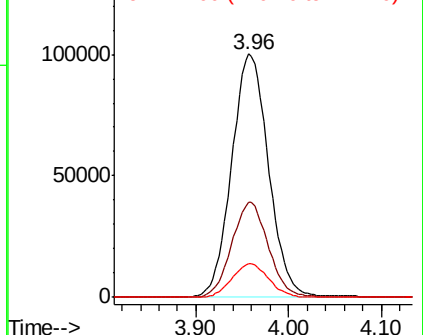
#11
Methvl Iodide
Concen: 19.014 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 277079
Ion Ratio Lower Upper
142 100
127 38.9 19.4 58.1
141 13.8 7.2 21.6

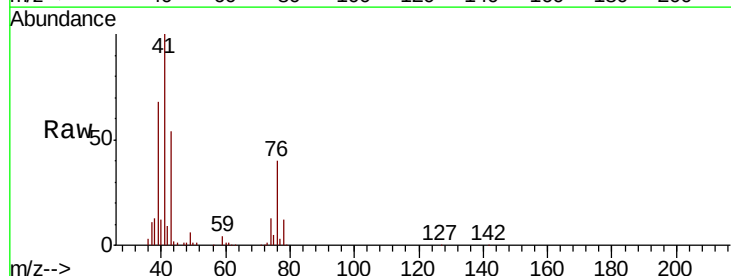


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

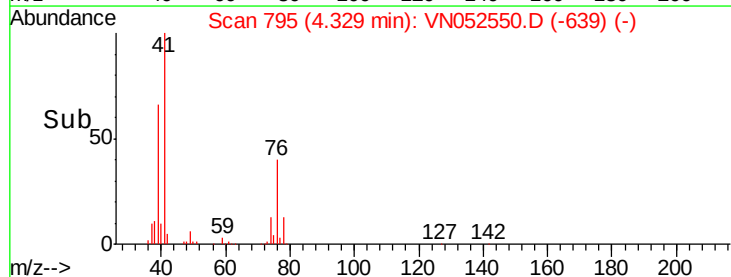
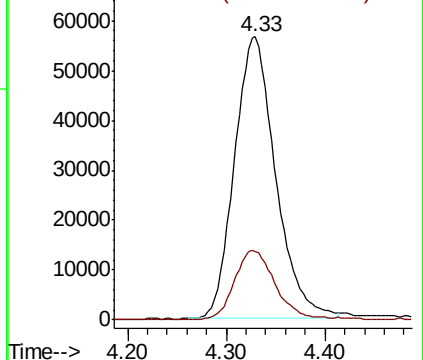


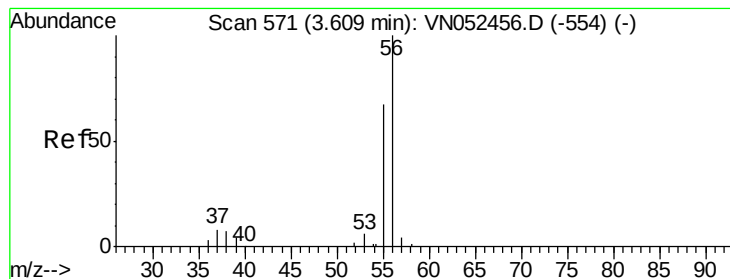
#12
Methyl Acetate
Concen: 18.370 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion: 43 Resp: 163819
Ion Ratio Lower Upper
43 100
74 24.3 18.9 28.3



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





#13

Acrolein

Concen: 83.067 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

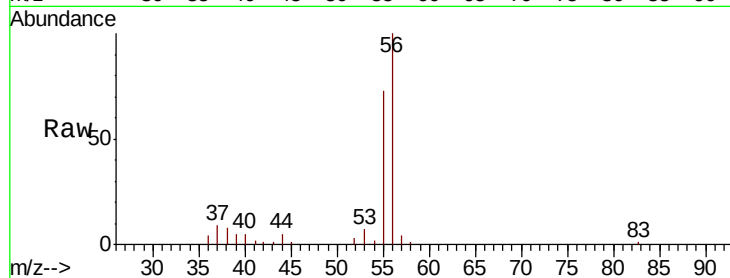
VSTDCCC020EC

Tot Ion: 56 Resp: 87017

Ion Ratio Lower Upper

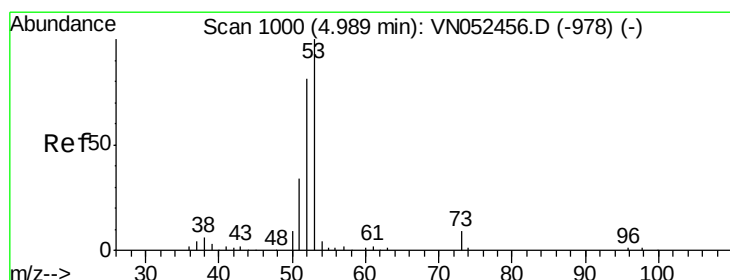
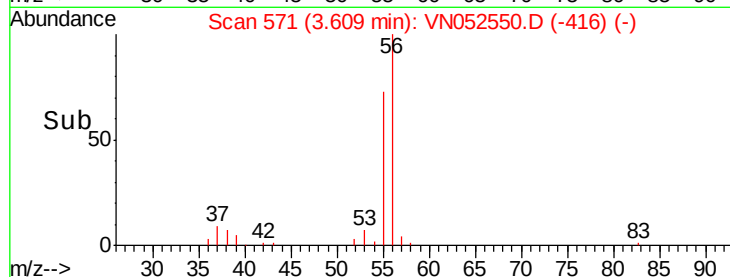
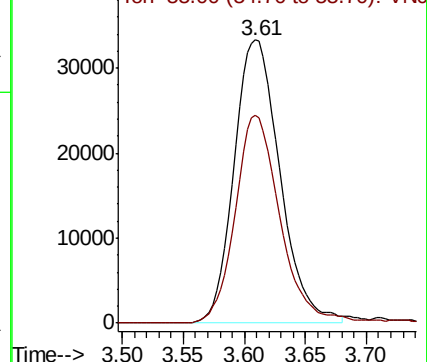
56 100

55 70.4 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.942 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

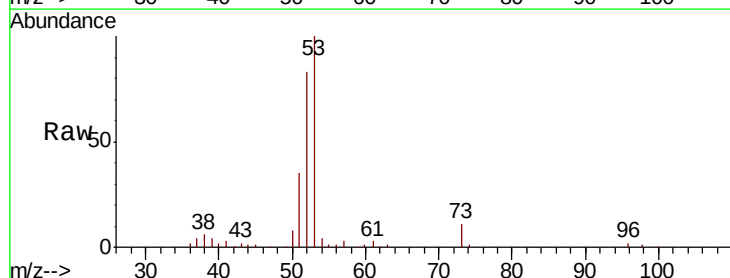
Tgt Ion: 53 Resp: 353159

Ion Ratio Lower Upper

53 100

52 83.2 39.9 119.7

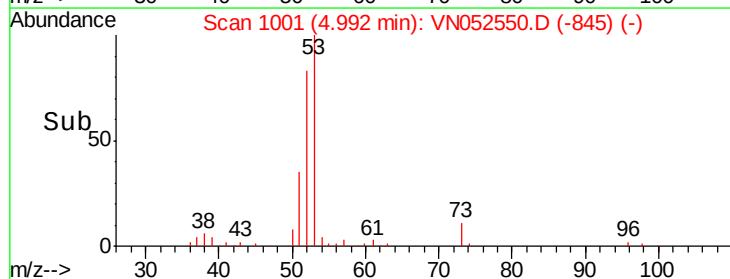
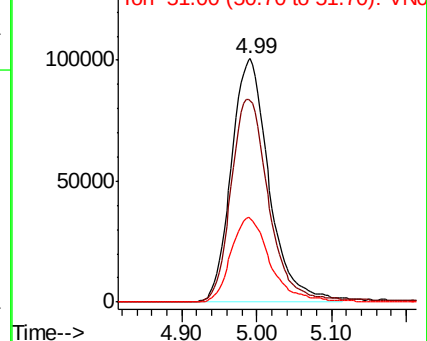
51 35.8 17.6 52.9

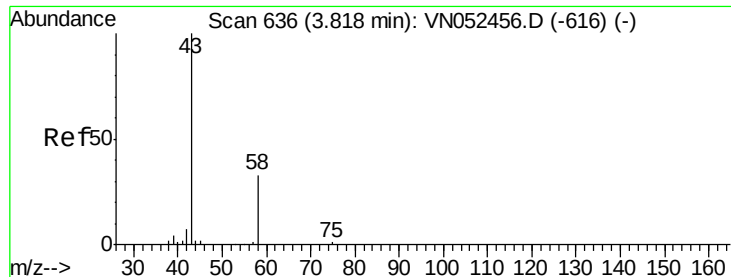


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 79.412 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

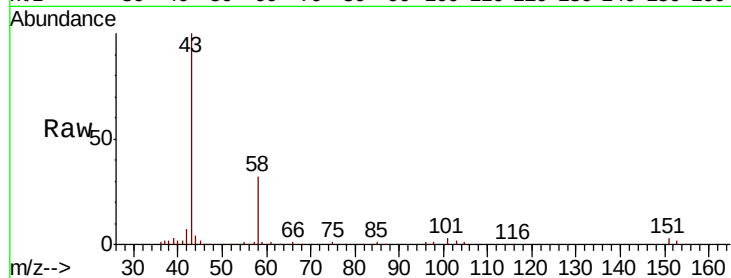
VSTDCCC020EC

Tot Ion: 58 Resp: 78146

Ion Ratio Lower Upper

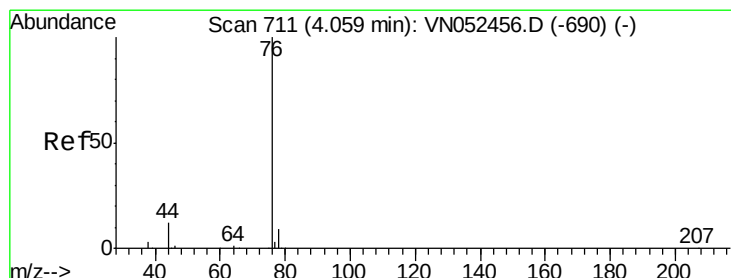
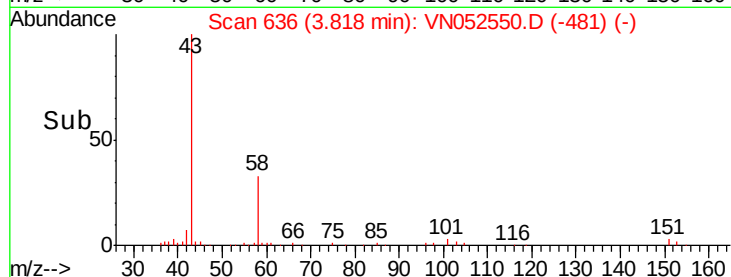
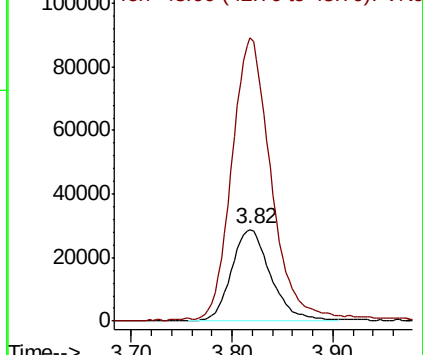
58 100

43 305.4 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.522 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052550.D

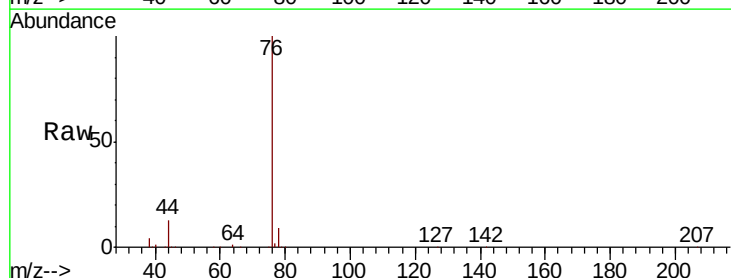
Acq: 29 Nov 2018 5:40

Tgt Ion: 76 Resp: 582264

Ion Ratio Lower Upper

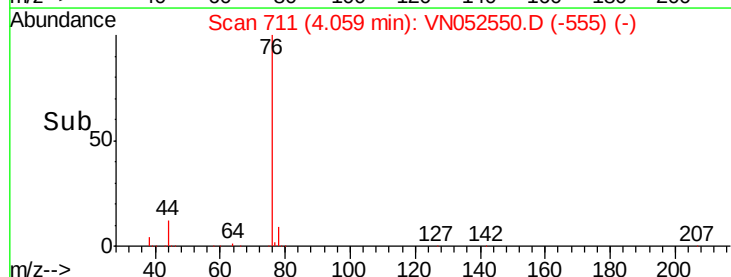
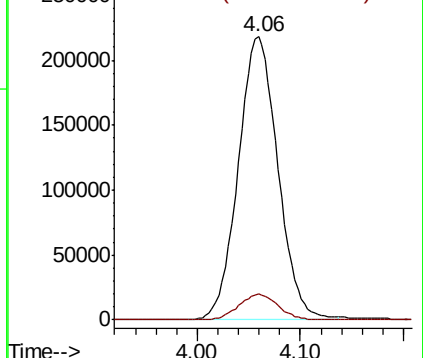
76 100

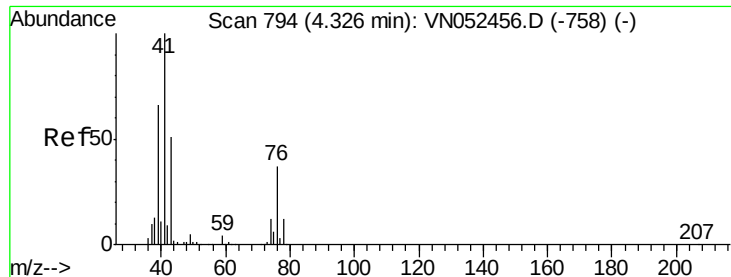
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

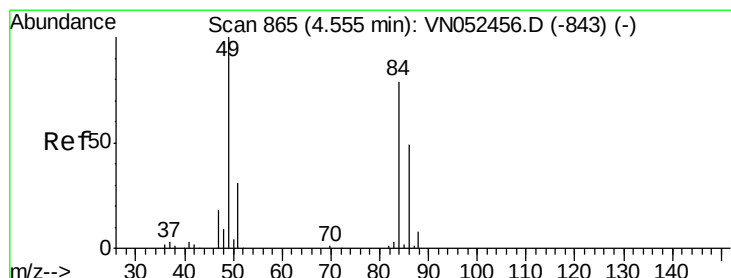
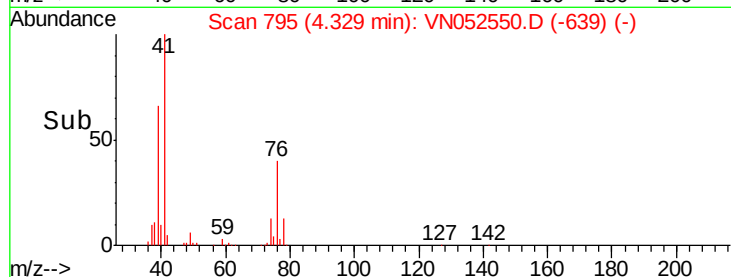
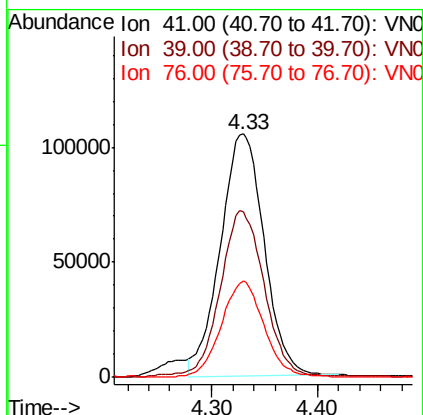
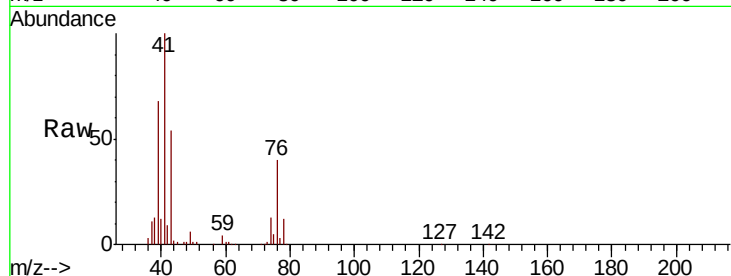




#17
Allvl chloride
Concen: 16.544 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

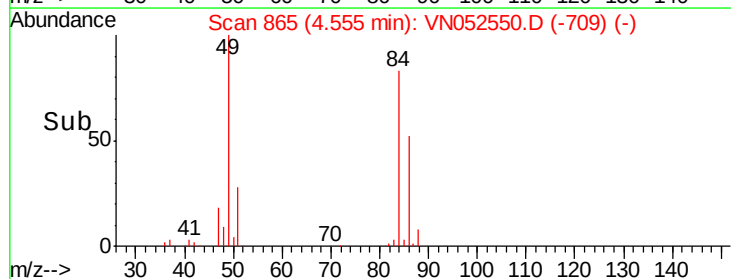
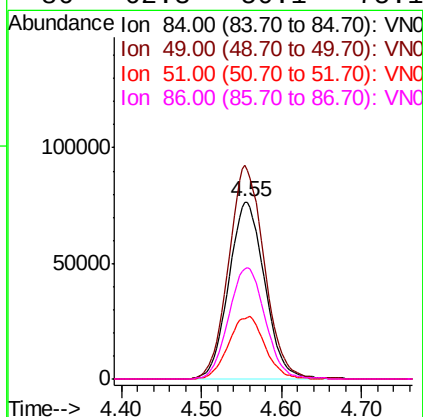
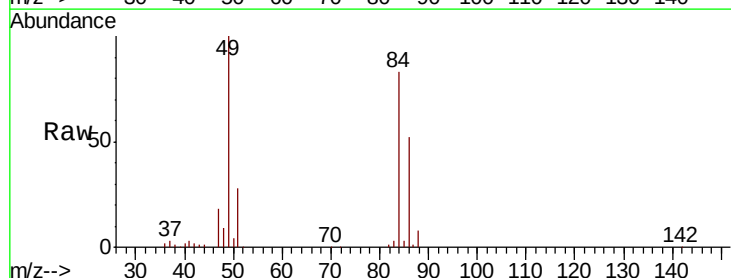
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

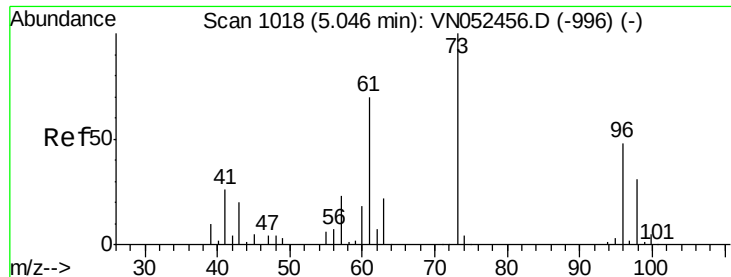
Tot Ion	Ratio	Lower	Upper
41	100		
39	67.8	32.8	98.3
76	39.7	18.6	55.8



#18
Methylene Chloride
Concen: 19.277 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.6	101.4	152.0
51	33.9	31.7	47.5
86	62.3	50.1	75.1

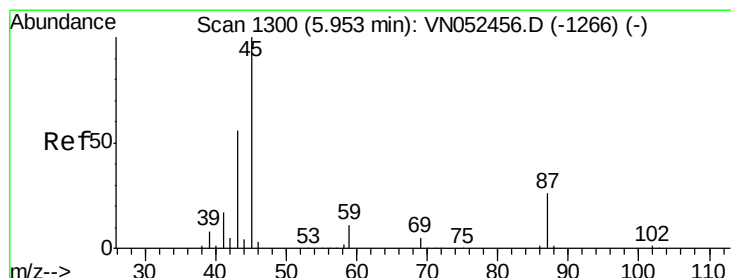
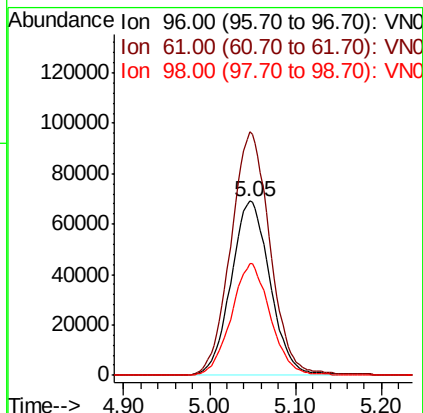
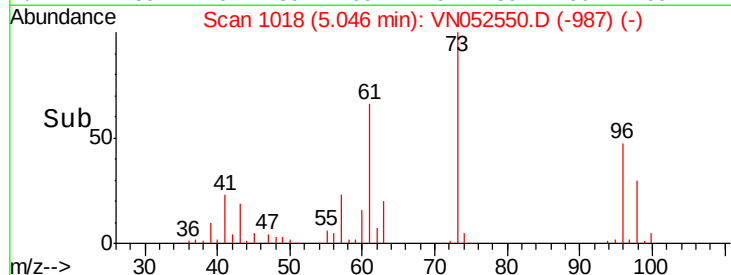
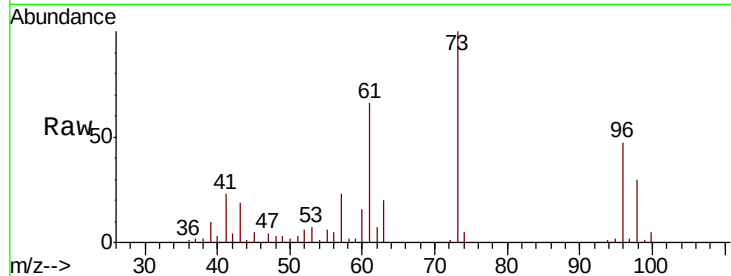




#19
trans-1,2-Dichloroethene
Concen: 19.294 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

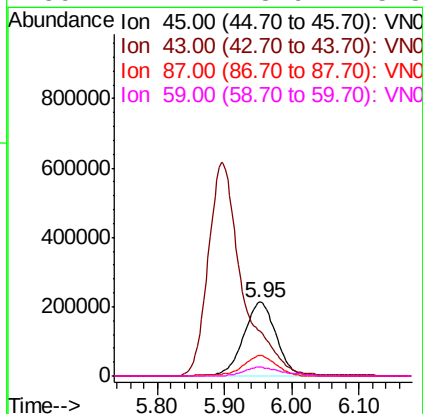
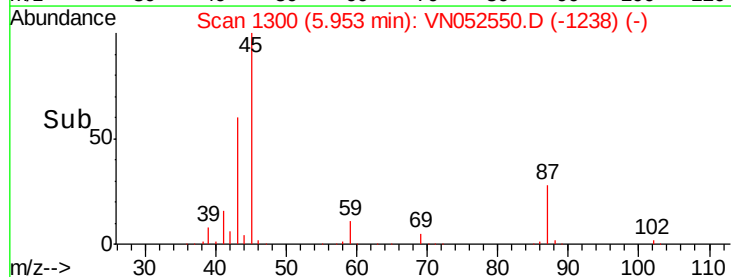
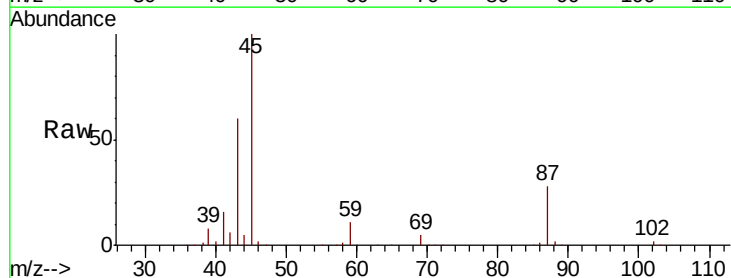
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

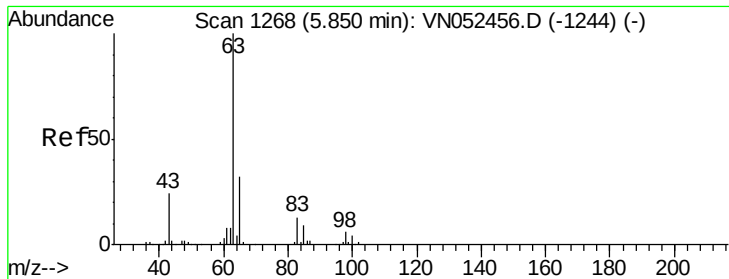
Tot Ion: 96 Resp: 217926
Ion Ratio Lower Upper
96 100
61 139.5 118.2 177.4
98 64.3 51.4 77.2



#20
Diisopropyl ether
Concen: 18.673 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion: 45 Resp: 718265
Ion Ratio Lower Upper
45 100
43 58.8 47.8 71.8
87 27.8 21.3 31.9
59 11.2 8.9 13.3





#21

1,1-Dichloroethane

Concen: 18.946 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

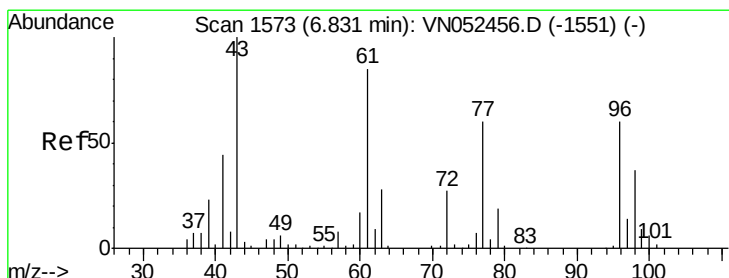
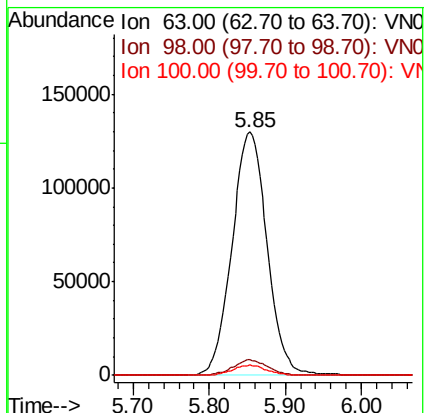
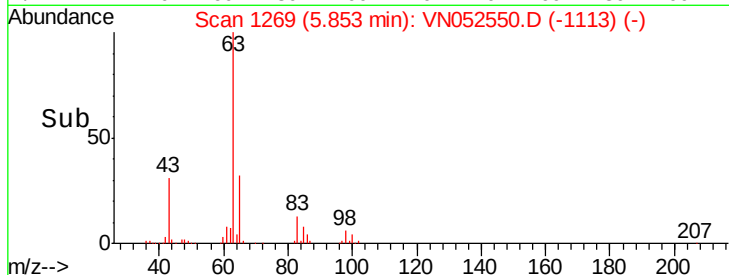
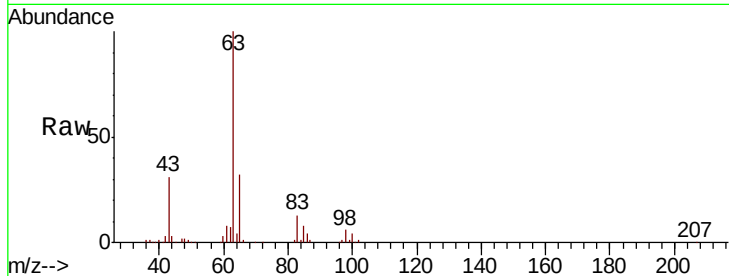
Tot Ion: 63 Resp: 415381

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.1 1.8 5.5



#22

cis-1,2-Dichloroethene

Concen: 19.072 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

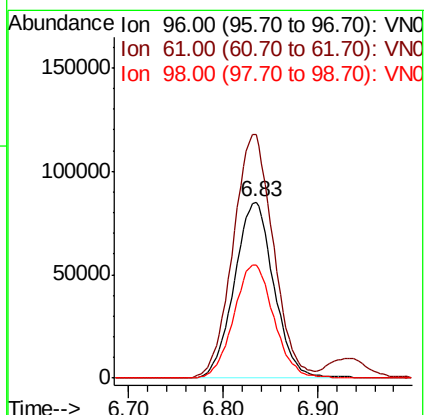
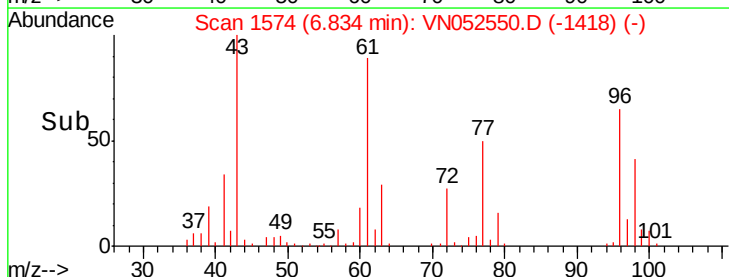
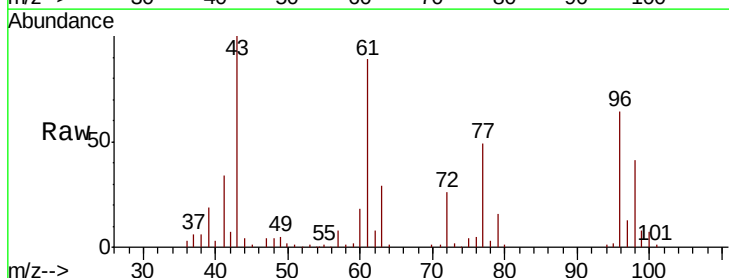
Tgt Ion: 96 Resp: 246897

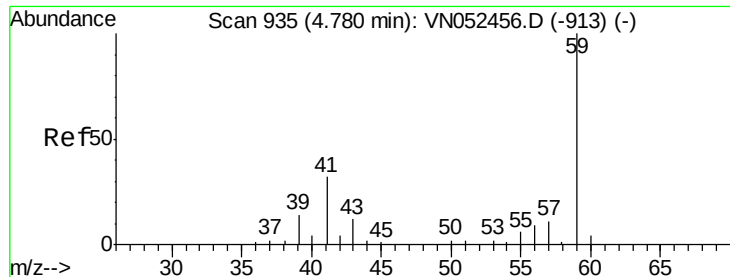
Ion Ratio Lower Upper

96 100

61 141.0 116.7 175.1

98 65.1 50.8 76.2

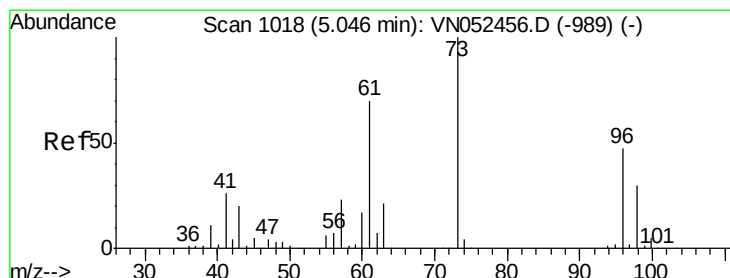
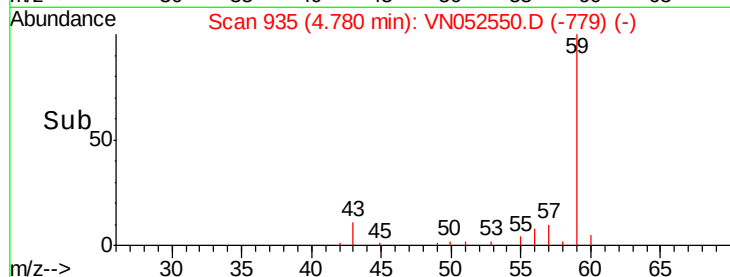
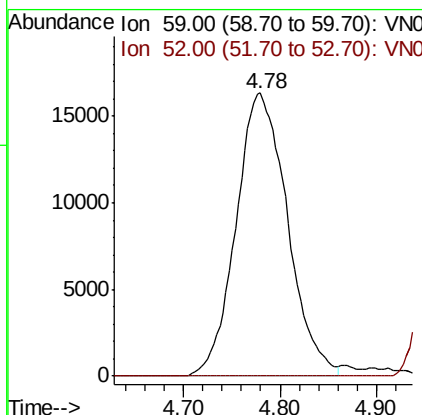
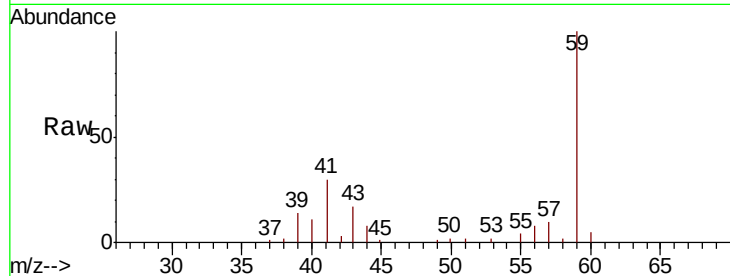




#23
 tert-Butyl Alcohol
 Concen: 106.692 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

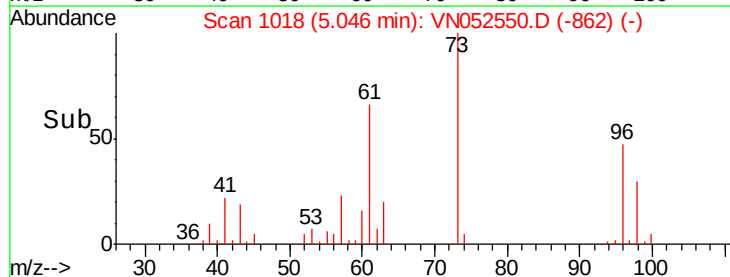
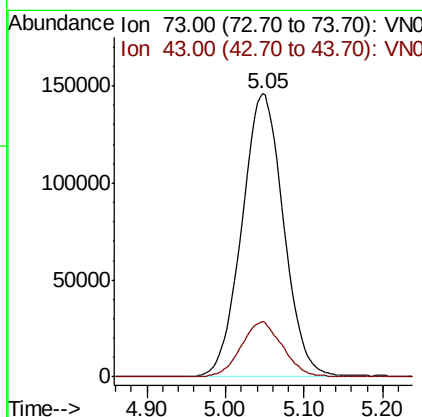
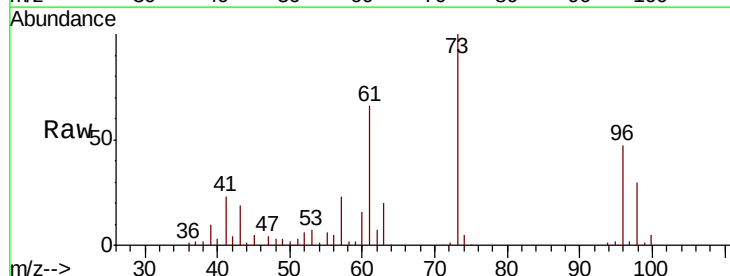
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

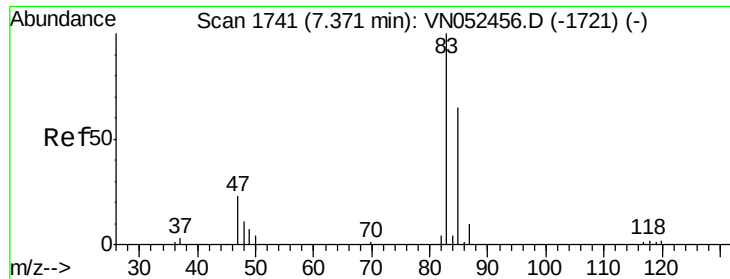
Tot Ion: 59 Resp: 60308
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 19.808 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 73 Resp: 545403
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.8 23.8

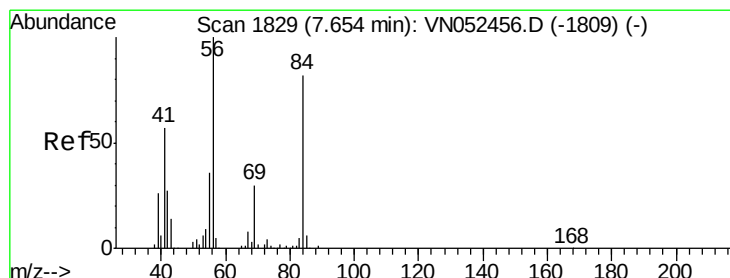
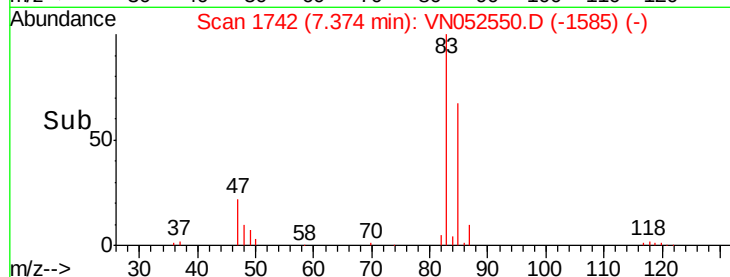
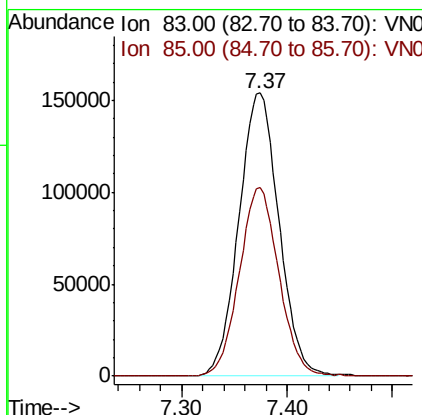
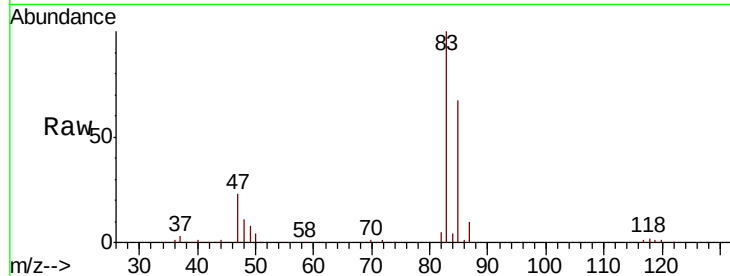




#25
Chloroform
Concen: 19.263 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

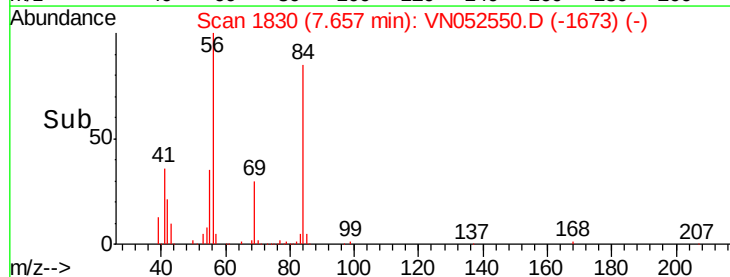
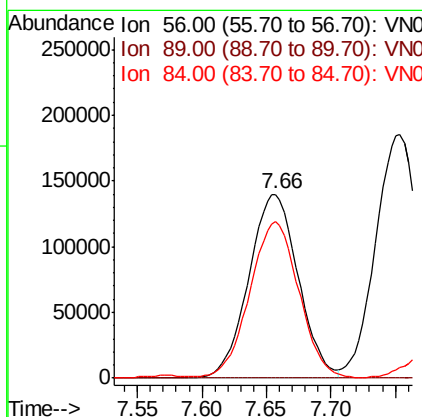
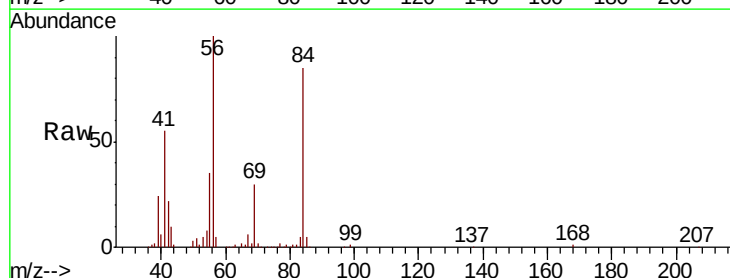
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

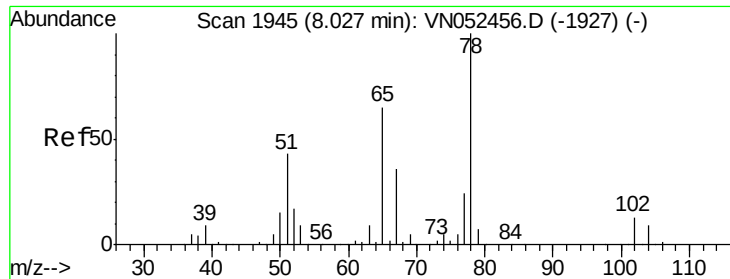
Tot Ion: 83 Resp: 407429
Ion Ratio Lower Upper
83 100
85 66.9 51.7 77.5



#26
Cyclohexane
Concen: 18.009 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion: 56 Resp: 372385
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 84.9 66.2 99.2

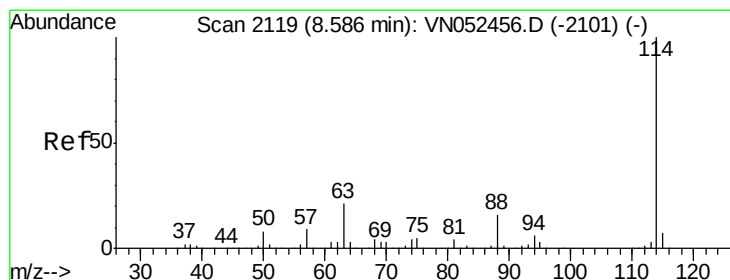
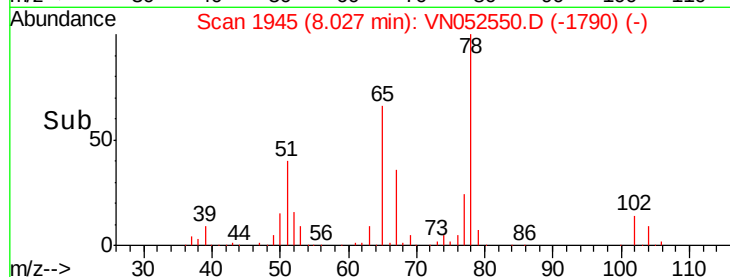
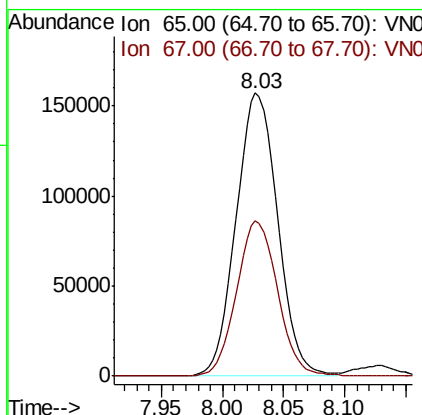
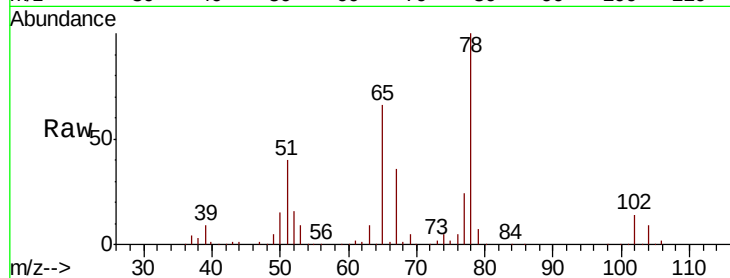




#27
 1,2-Dichloroethane-d4
 Concen: 18.009 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

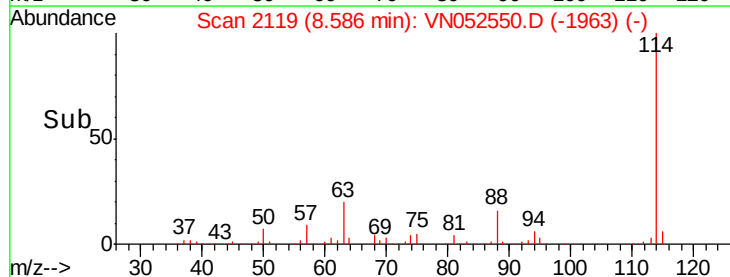
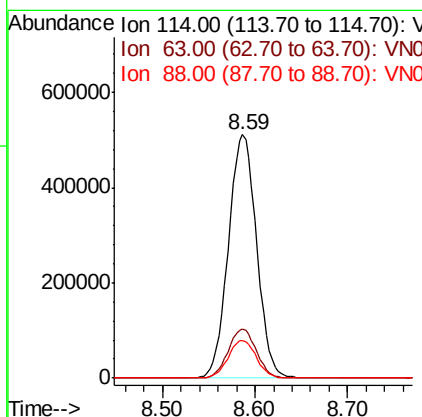
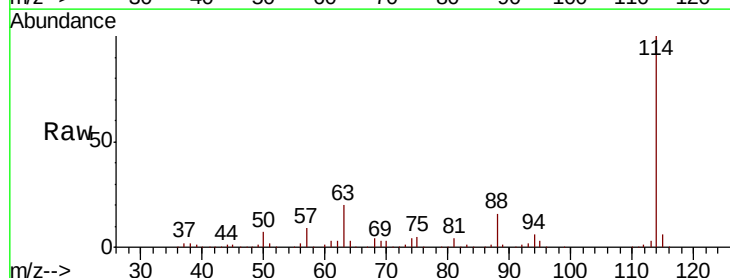
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

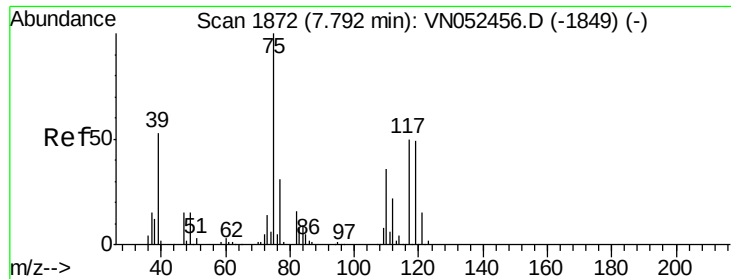
Tot Ion: 65 Resp: 371627
 Ion Ratio Lower Upper
 65 100
 67 54.2 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 114 Resp: 1077076
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.4 12.8 19.2

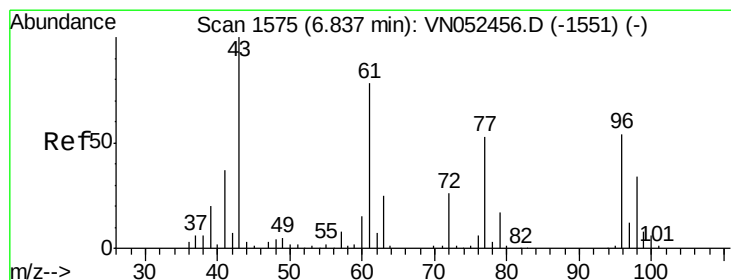
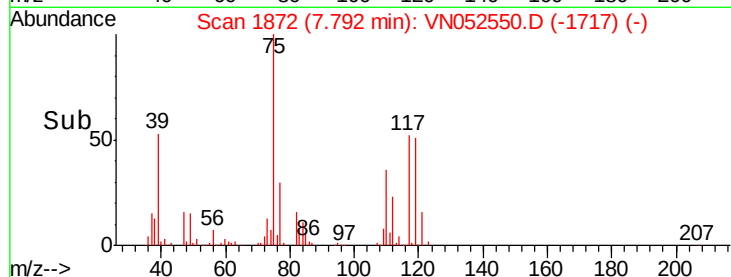
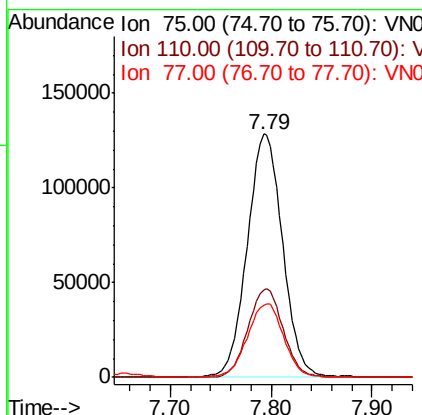
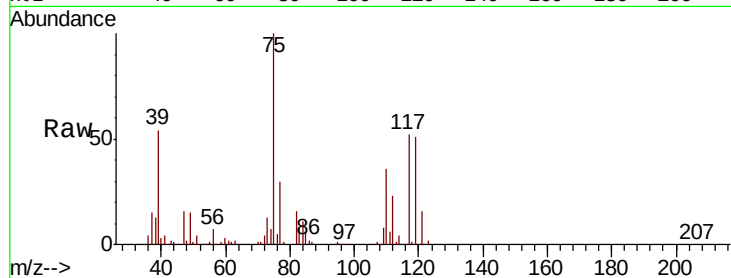




#29
 1,1-Dichloropropene
 Concen: 18.985 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

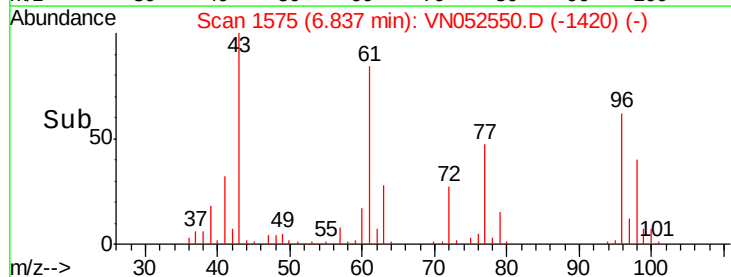
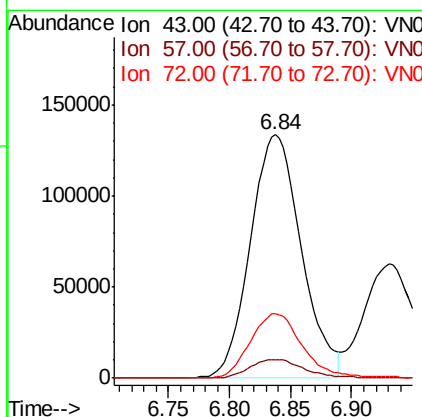
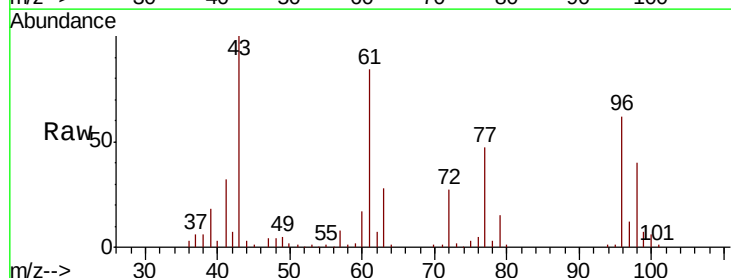
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

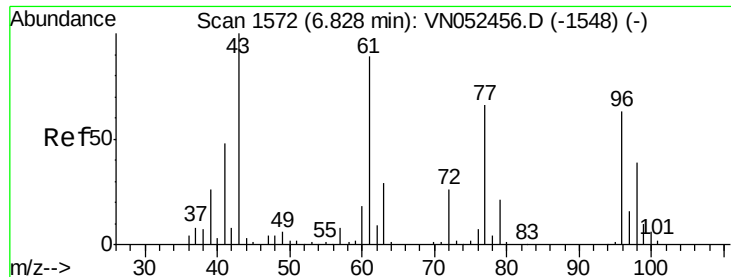
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.1	0.0	70.2
77	31.1	0.0	62.6



#30
 2-Butanone
 Concen: 87.520 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.2	9.4
72	27.2	21.0	31.6

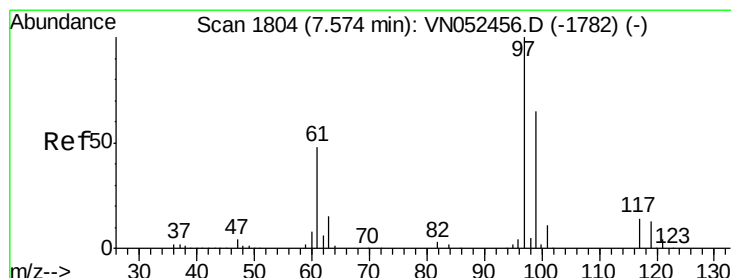
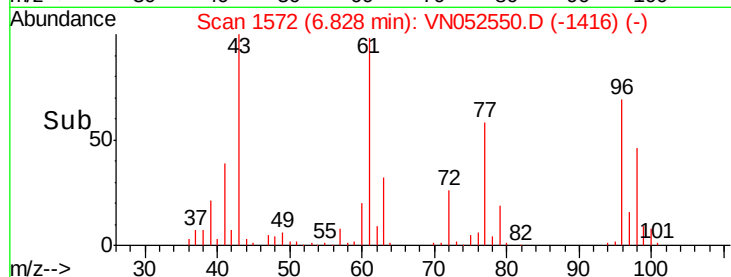
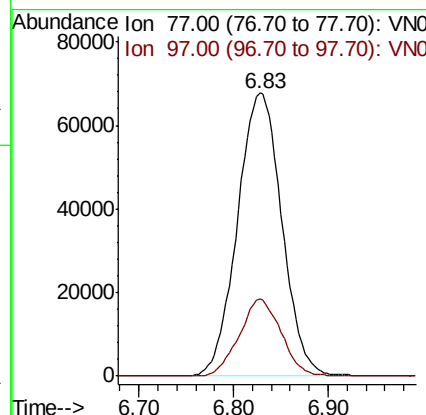
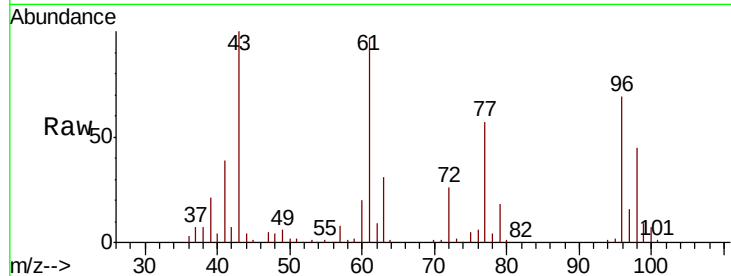




#31
 2,2-Dichloropropane
 Concen: 14.577 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

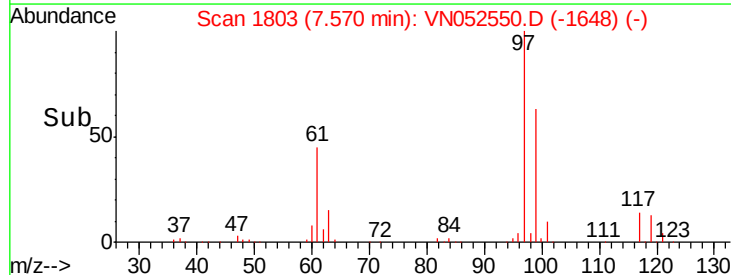
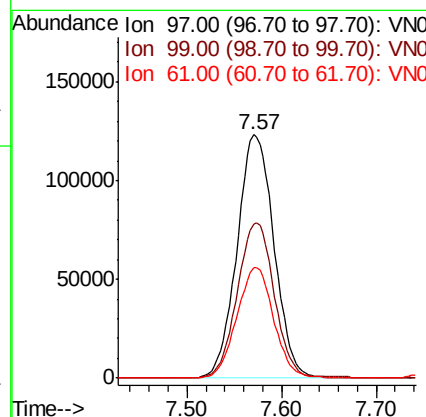
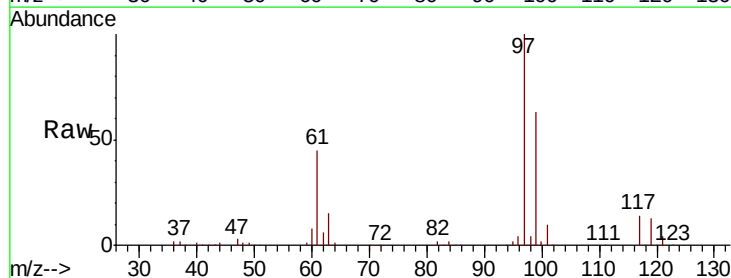
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

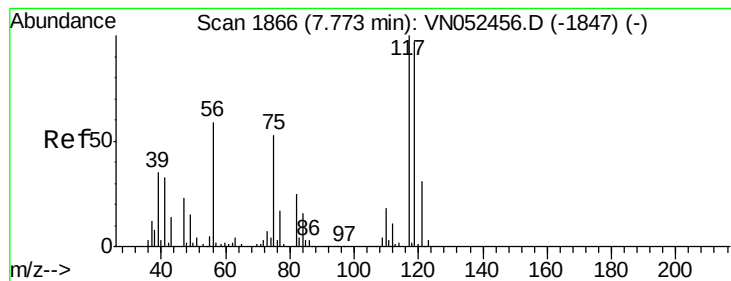
Tot Ion: 77 Resp: 220730
 Ion Ratio Lower Upper
 77 100
 97 25.6 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.542 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 97 Resp: 334458
 Ion Ratio Lower Upper
 97 100
 99 63.8 50.9 76.3
 61 45.1 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.079 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

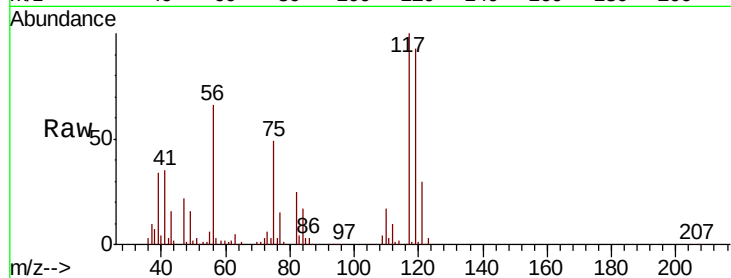
Tot Ion:117 Resp: 285714

Ion Ratio Lower Upper

117 100

119 93.5 77.3 115.9

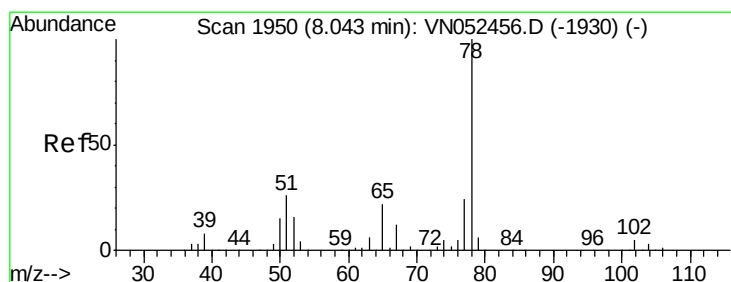
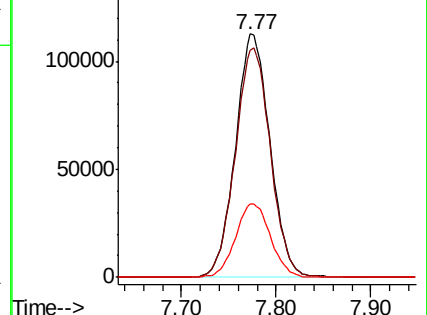
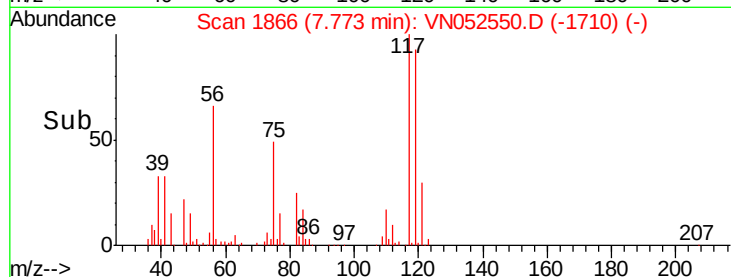
121 30.1 24.9 37.3



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: 19.118 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

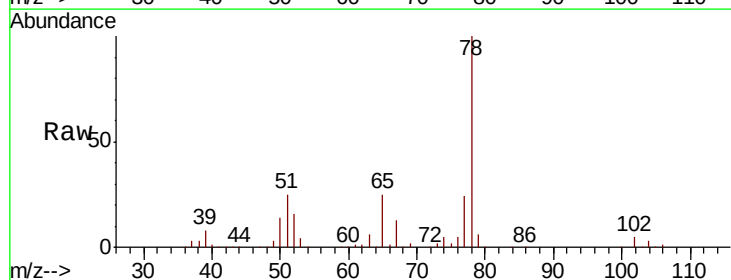
Tgt Ion: 78 Resp: 945423

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6

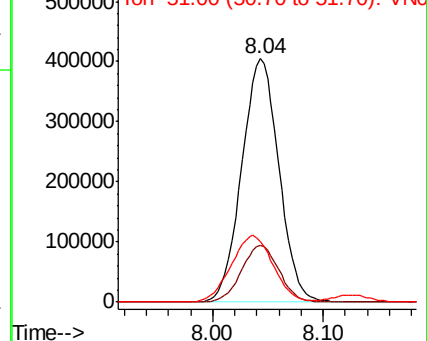
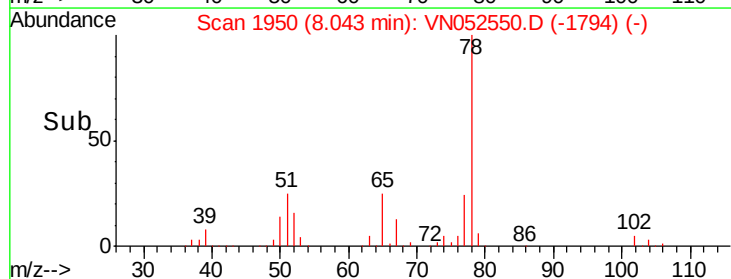
51 24.7 20.5 30.7

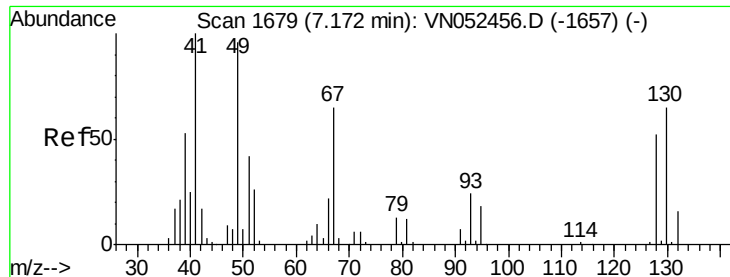


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

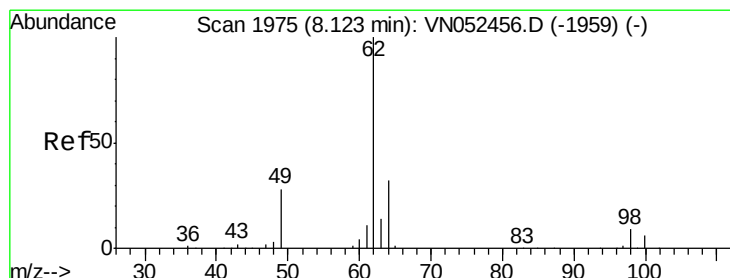
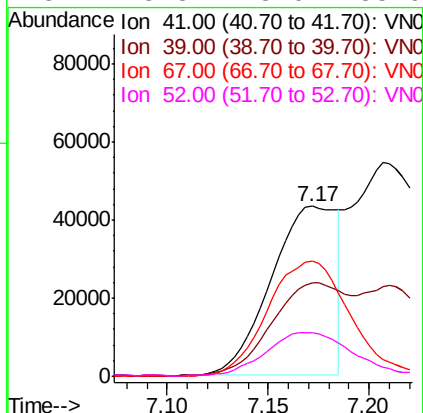
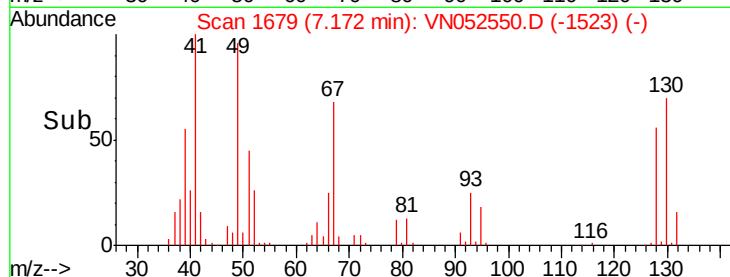
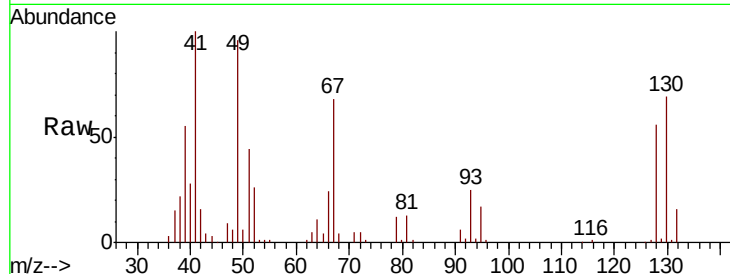




#35
Methacrylonitrile
Concen: 17.926 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

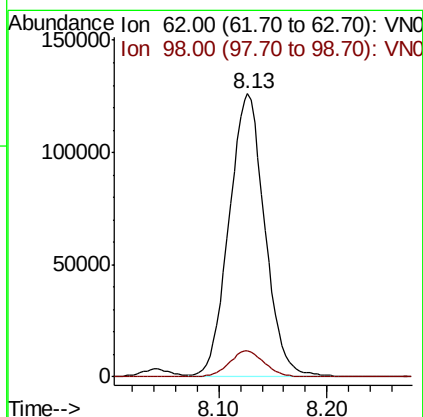
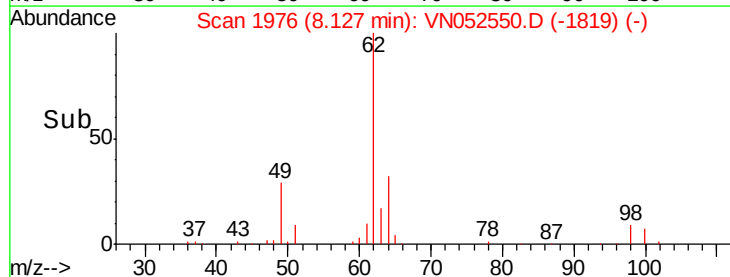
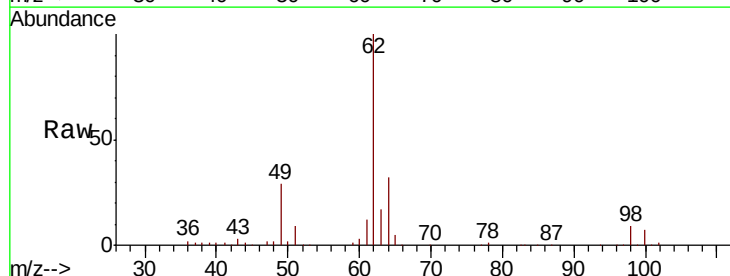
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

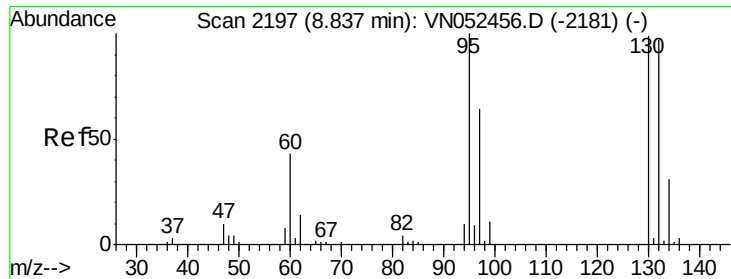
Tot Ion:	41	Resp:	97886
Ion	Ratio	Lower	Upper
41	100		
39	54.7	26.6	79.7
67	68.3	32.3	96.9
52	25.3	13.0	38.9



#36
1,2-Dichloroethane
Concen: 19.396 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion:	62	Resp:	290655
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.2

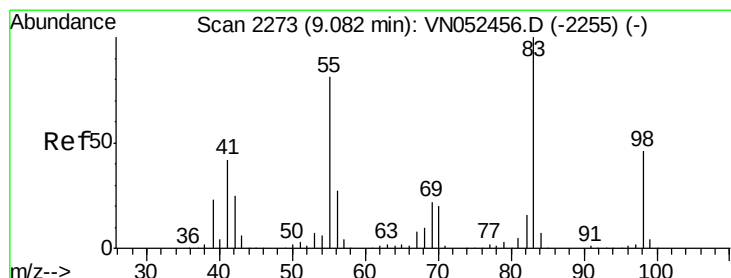
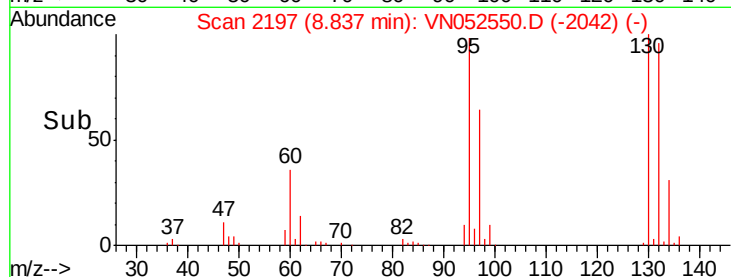
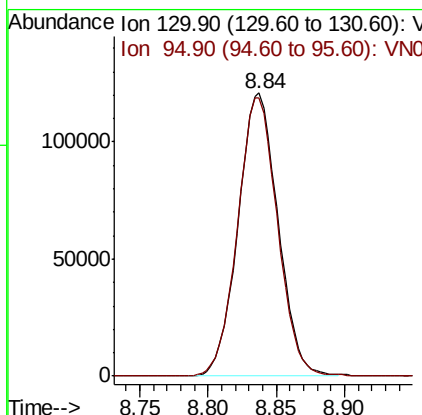
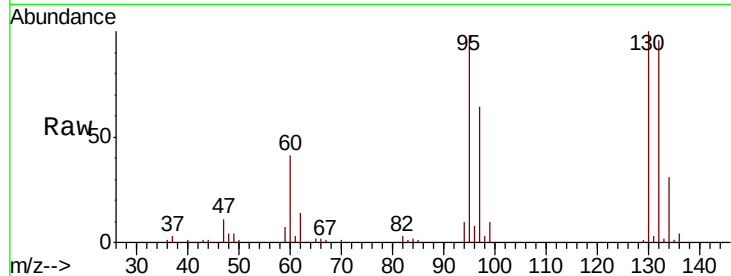




#37
 Trichloroethene
 Concen: 19.551 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

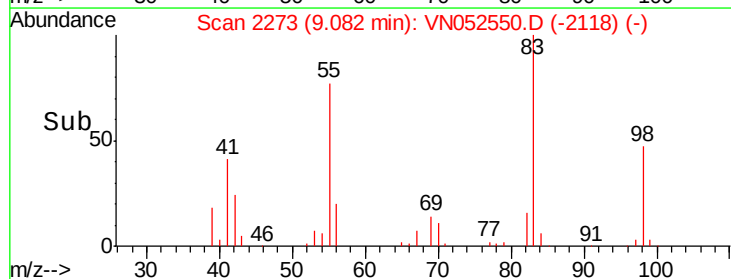
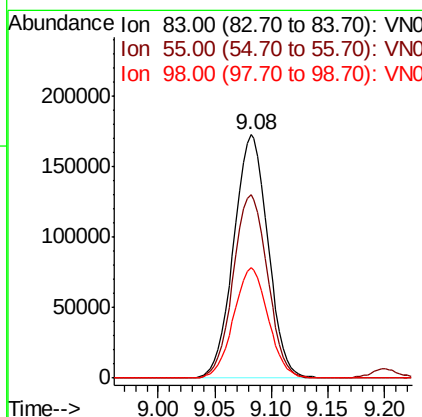
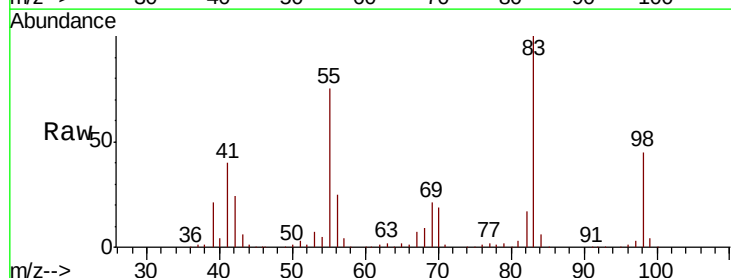
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

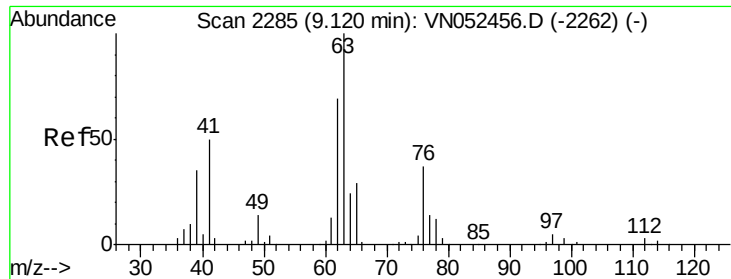
Tot Ion:130 Resp: 245161
 Ion Ratio Lower Upper
 130 100
 95 98.2 81.0 121.4



#38
 Methylcyclohexane
 Concen: 17.910 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 83 Resp: 364664
 Ion Ratio Lower Upper
 83 100
 55 75.6 39.8 119.4
 98 45.7 22.9 68.5





#39

1,2-Dichloropropane

Concen: 18.652 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

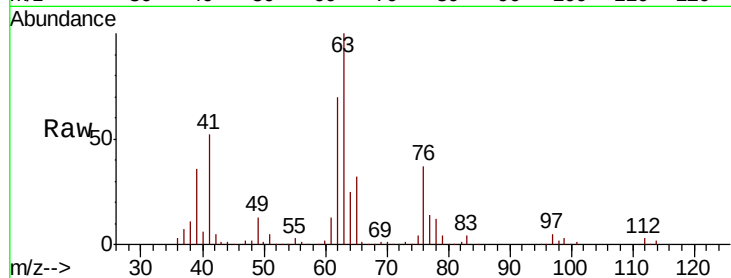
VSTDCCC020EC

Tot Ion: 63 Resp: 247247

Ion Ratio Lower Upper

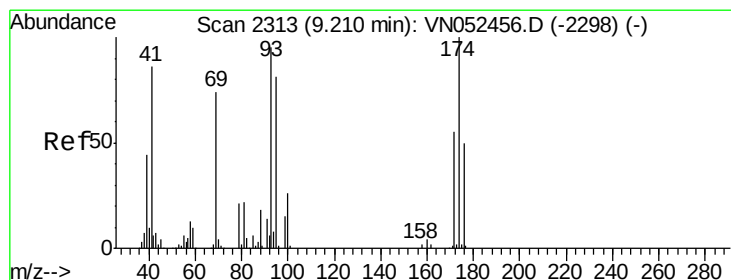
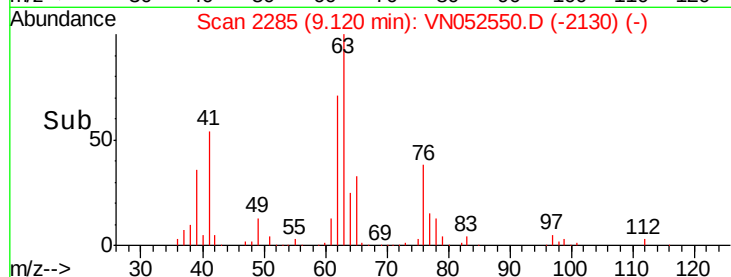
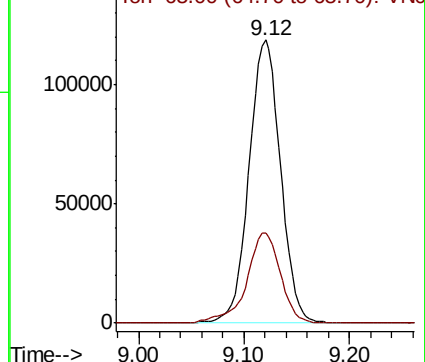
63 100

65 31.7 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.753 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

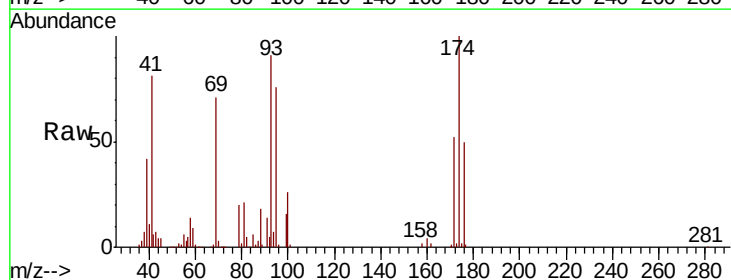
Tgt Ion: 93 Resp: 141497

Ion Ratio Lower Upper

93 100

95 83.2 0.0 168.4

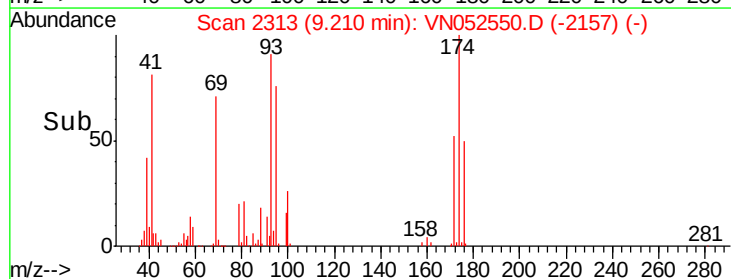
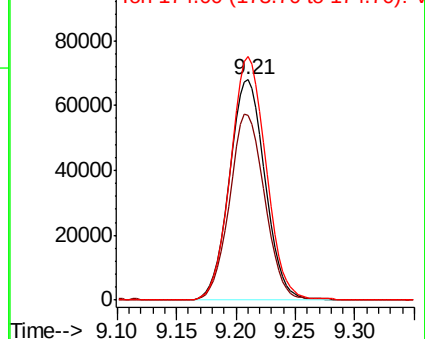
174 109.5 0.0 210.0

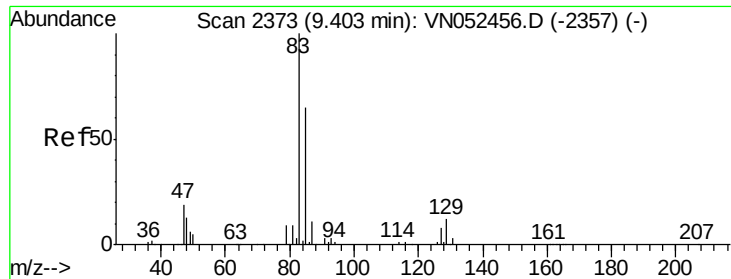


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

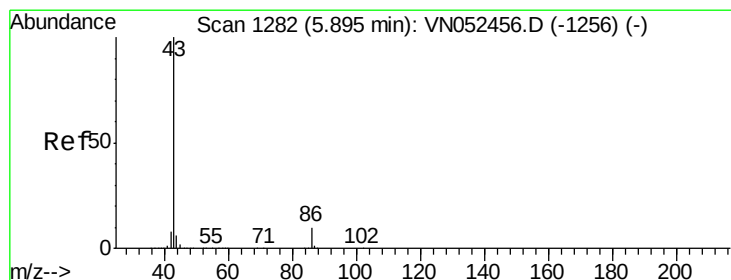
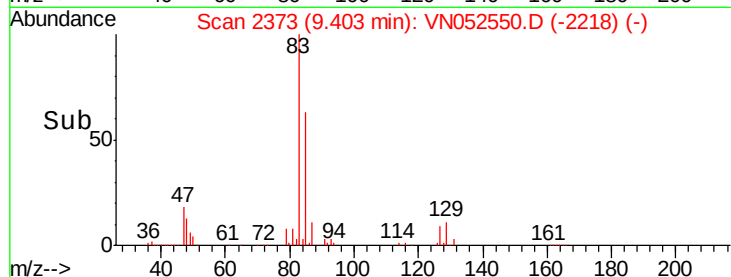
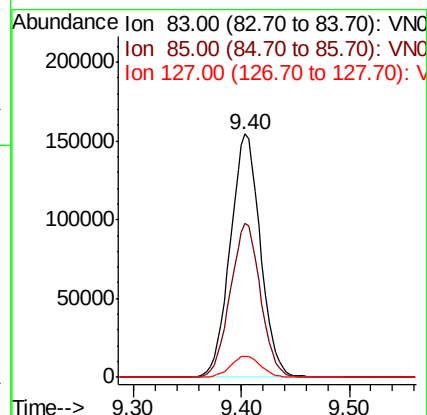
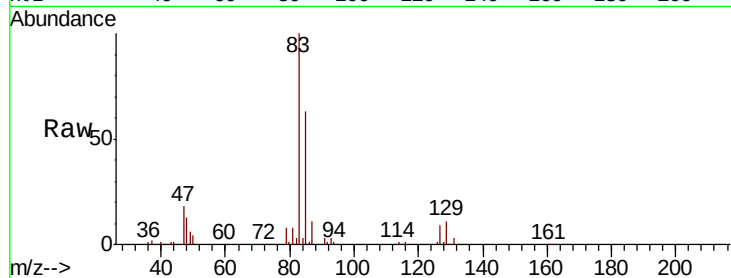




#41
Bromodichloromethane
Concen: 18.998 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

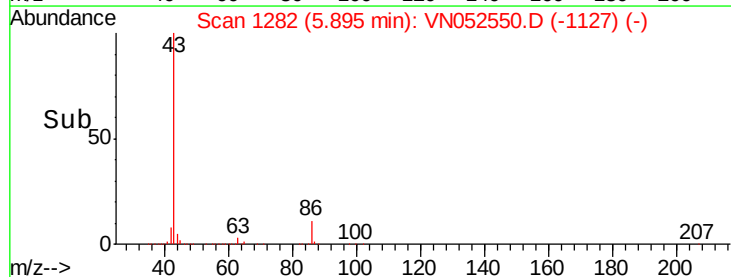
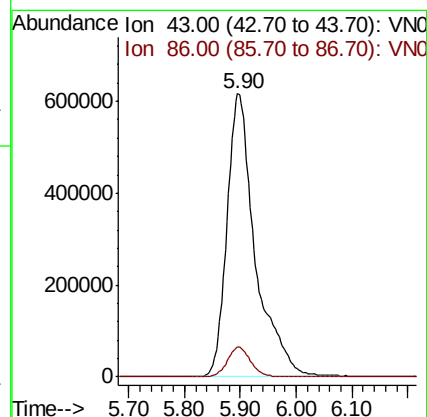
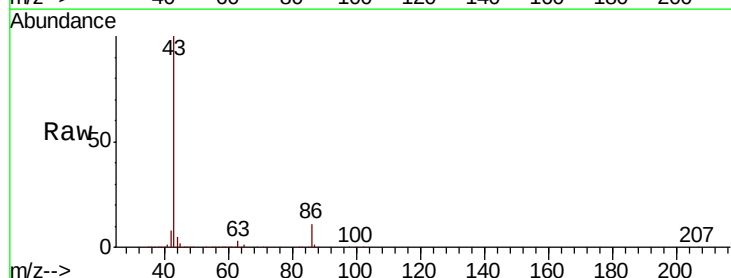
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

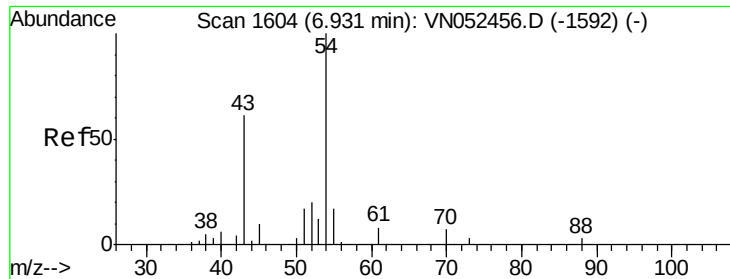
Tot Ion: 83 Resp: 300676
Ion Ratio Lower Upper
83 100
85 63.3 52.4 78.6
127 8.7 6.6 9.8



#42
Vinyl Acetate
Concen: 91.537 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion: 43 Resp: 2179817
Ion Ratio Lower Upper
43 100
86 8.5 6.5 9.7





#43

Ethyl Acetate

Concen: 18.810 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

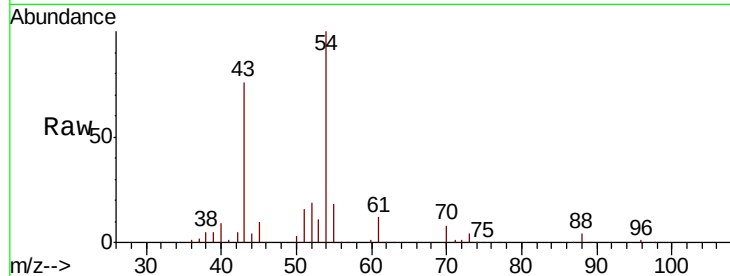
VSTDCCC020EC

Tot Ion: 43 Resp: 176034

Ion Ratio Lower Upper

43 100

45 13.1 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052550.D (-1448) (-)

Ion 45.00 (44.70 to 45.70): VN052550.D (-1448) (-)

150000

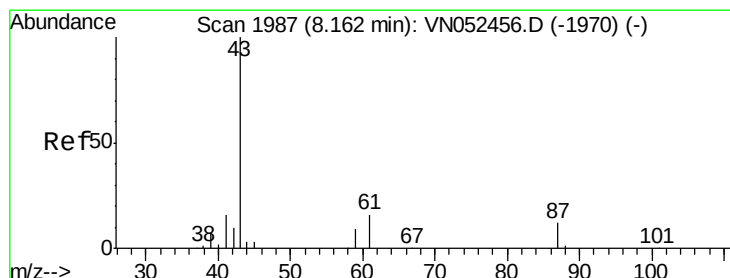
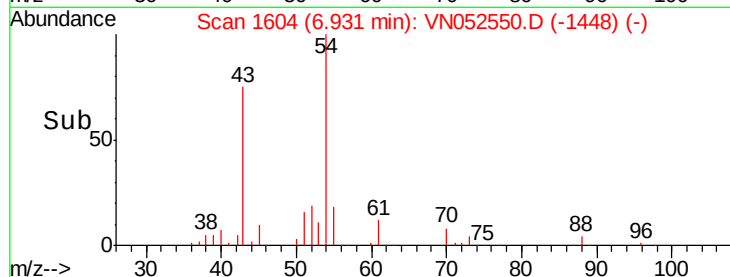
100000

50000

0

6.85 6.90 6.95 7.00 7.05

Time-->



#44

Isopropyl Acetate

Concen: 19.836 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052550.D

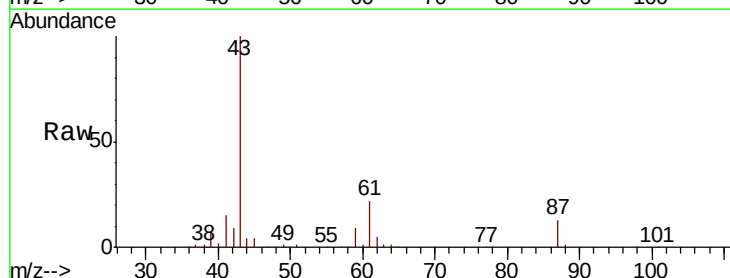
Acq: 29 Nov 2018 5:40

Tgt Ion: 43 Resp: 325579

Ion Ratio Lower Upper

43 100

61 20.4 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN052550.D (-1831) (-)

Ion 61.00 (60.70 to 61.70): VN052550.D (-1831) (-)

150000

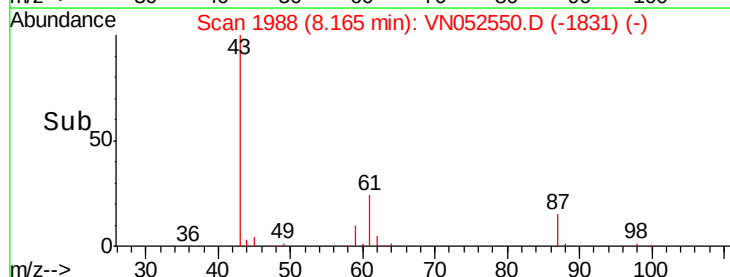
100000

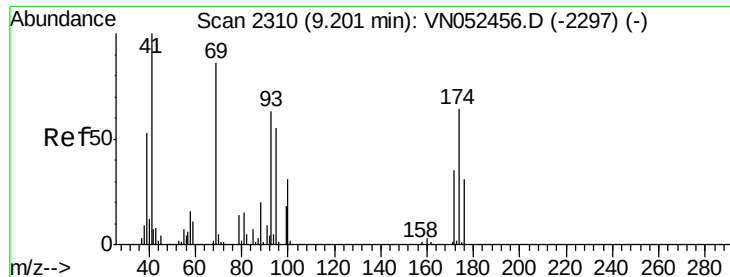
50000

0

8.10 8.15 8.20

Time-->

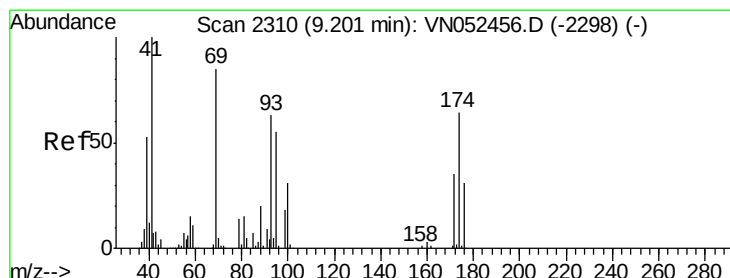
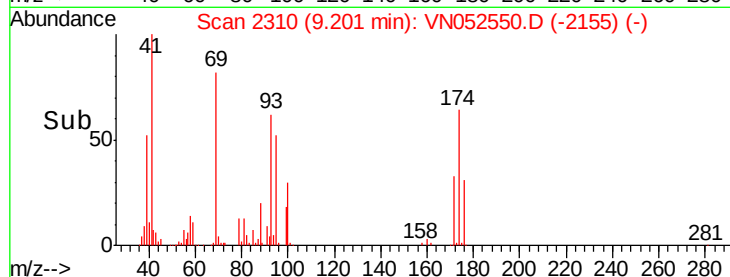
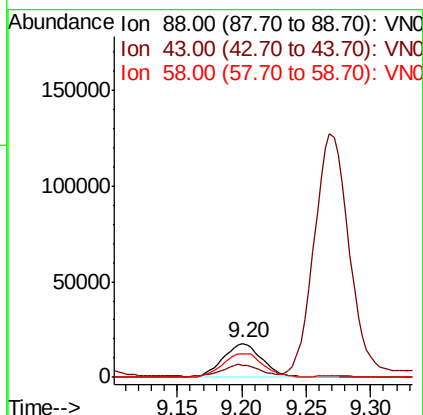
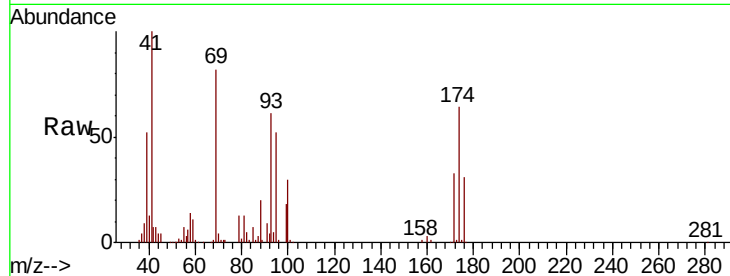




#45
 1,4-Dioxane
 Concen: 420.961 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

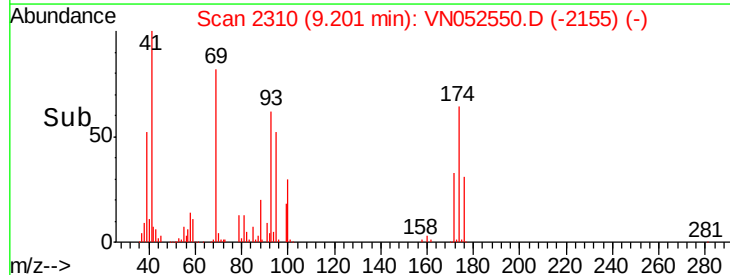
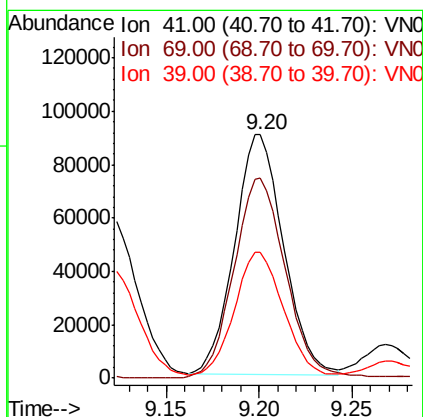
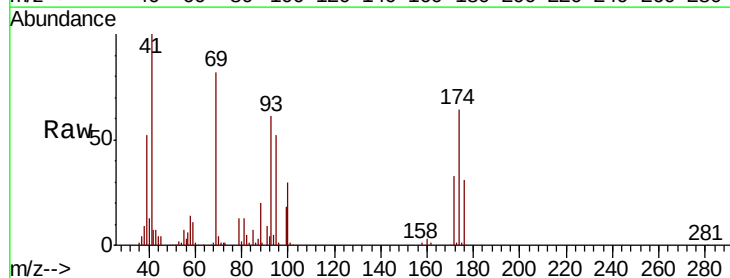
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

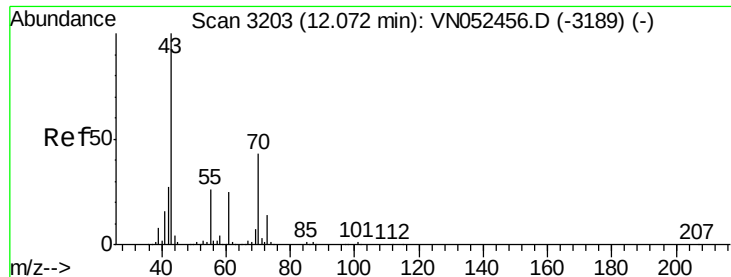
Tot Ion: 88 Resp: 37799
 Ion Ratio Lower Upper
 88 100
 43 32.2 29.5 44.3
 58 71.0 61.5 92.3



#46
 Methyl methacrylate
 Concen: 19.272 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 41 Resp: 164238
 Ion Ratio Lower Upper
 41 100
 69 83.0 42.5 127.6
 39 51.1 26.3 78.9





#47

n-amvl Acetate

Concen: 18.146 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

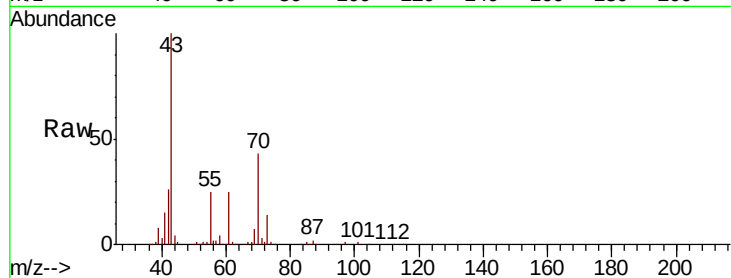
VSTDCCC020EC

Tot Ion: 43 Resp: 246950

Ion Ratio Lower Upper

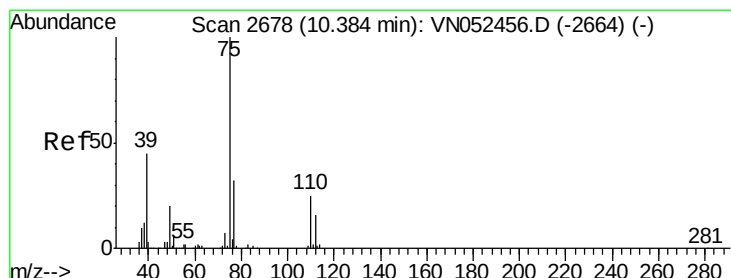
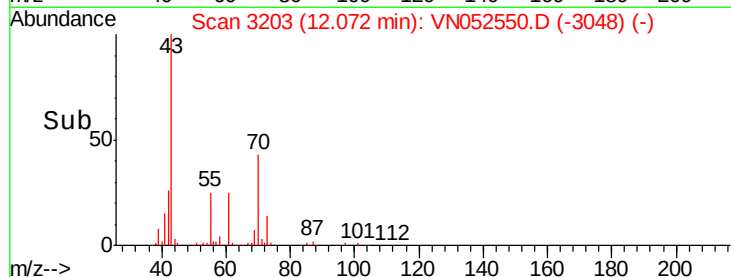
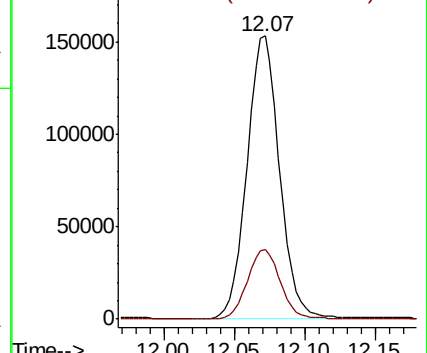
43 100

55 25.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.808 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN052550.D

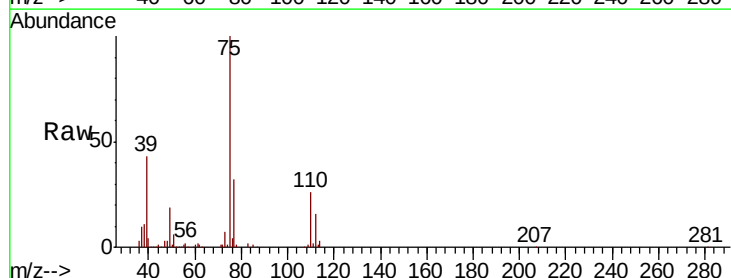
Acq: 29 Nov 2018 5:40

Tgt Ion: 75 Resp: 273269

Ion Ratio Lower Upper

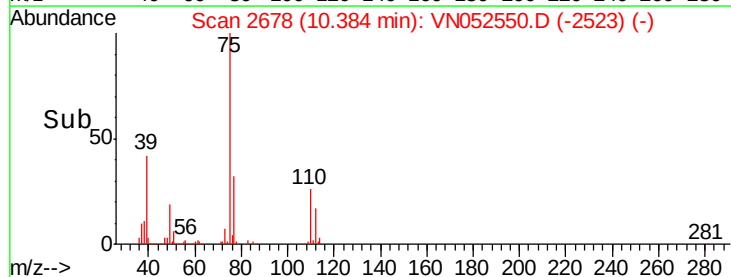
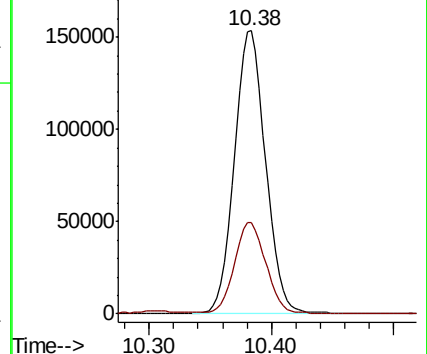
75 100

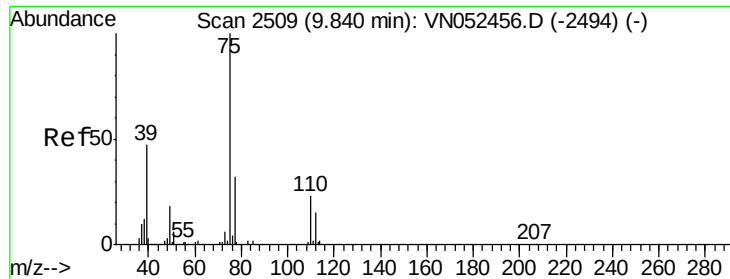
77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 17.803 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

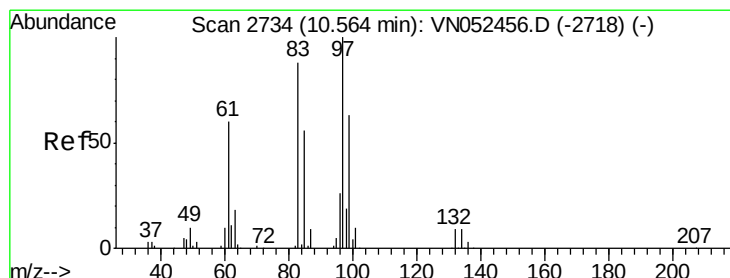
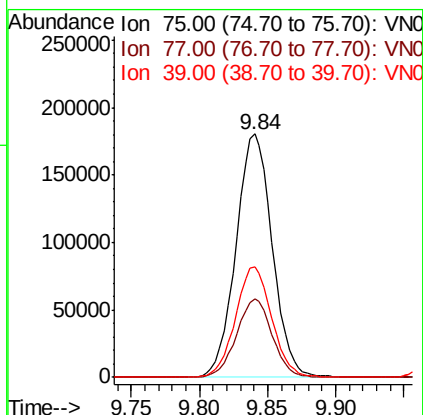
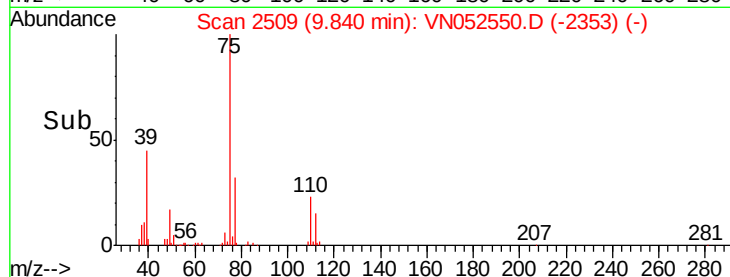
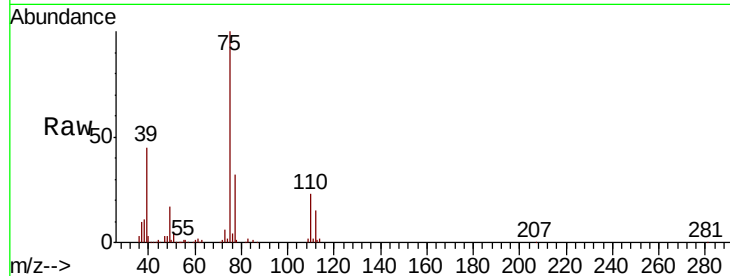
Tot Ion: 75 Resp: 332858

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

39 45.2 37.3 55.9



#50

1,1,2-Trichloroethane

Concen: 19.920 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Tgt Ion: 97 Resp: 202268

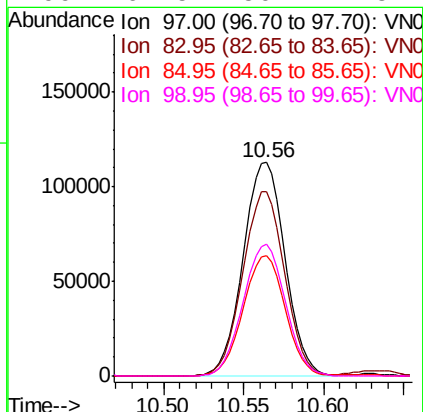
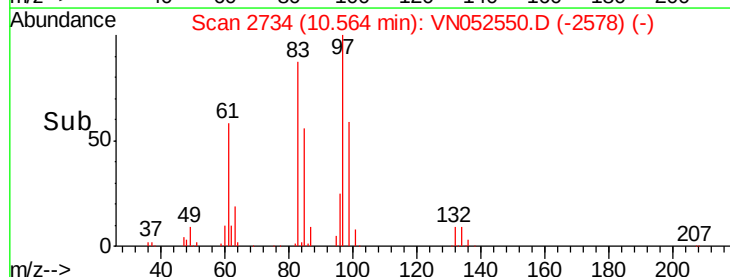
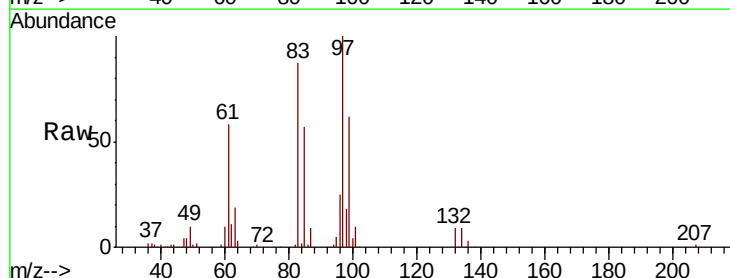
Ion Ratio Lower Upper

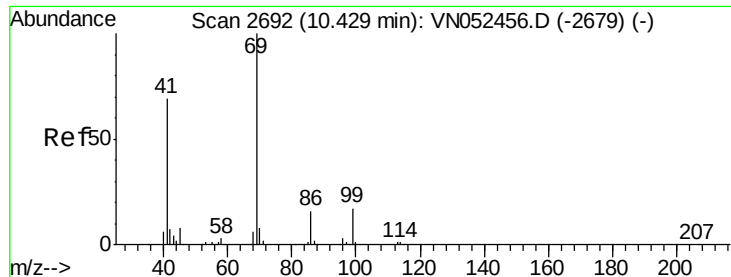
97 100

83 86.6 70.4 105.6

85 56.5 45.0 67.6

99 61.5 50.2 75.2





#51

Ethyl methacrylate

Concen: 19.523 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

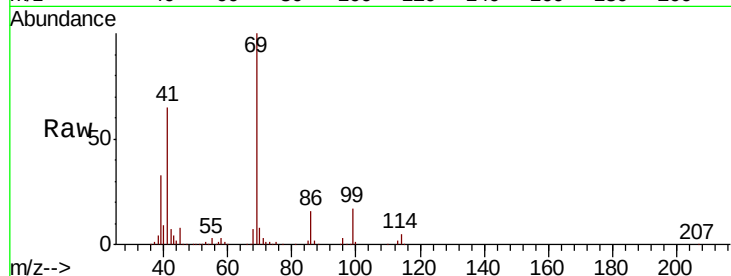
Tot Ion: 69 Resp: 248971

Ion Ratio Lower Upper

69 100

41 64.3 34.4 103.3

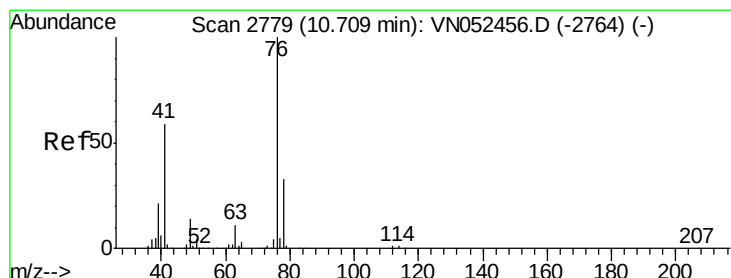
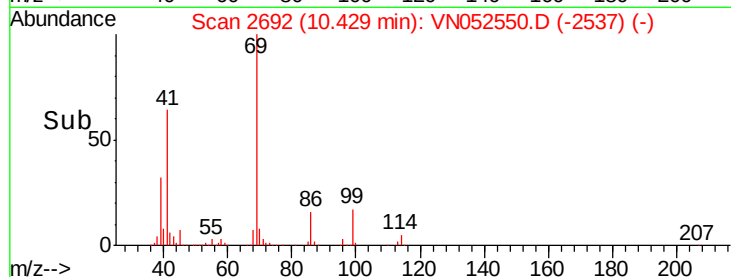
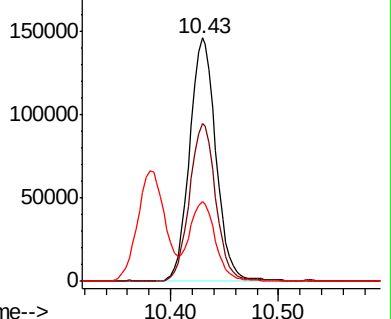
39 32.3 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052456.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN052456.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN052456.D (-2679) (-)



#52

1,3-Dichloropropane

Concen: 18.994 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052550.D

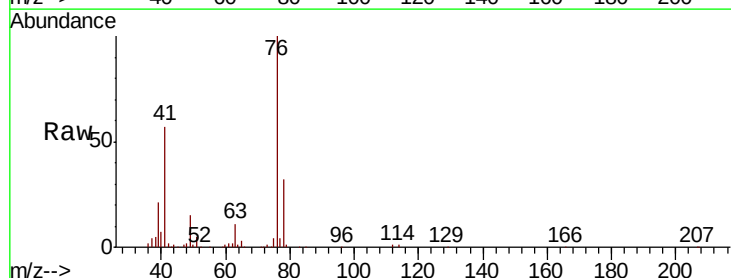
Acq: 29 Nov 2018 5:40

Tgt Ion: 76 Resp: 343302

Ion Ratio Lower Upper

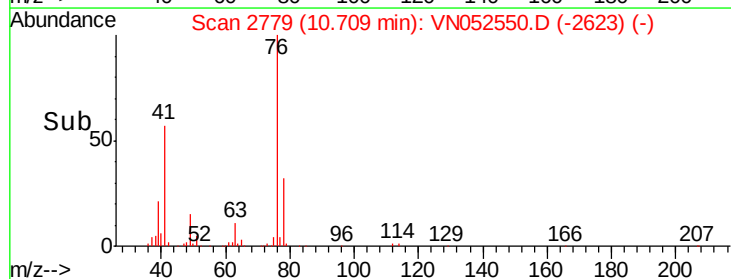
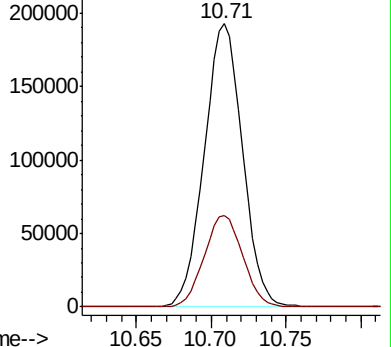
76 100

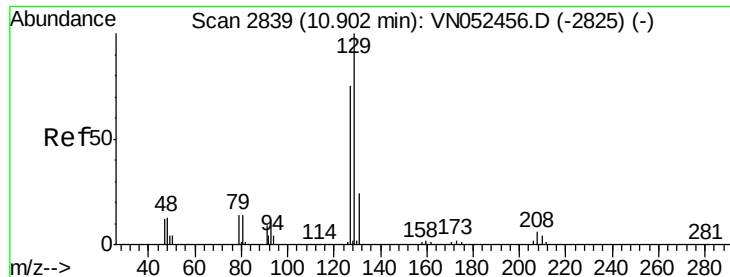
78 32.7 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-2764) (-)





#53

Dibromochloromethane

Concen: 19.199 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

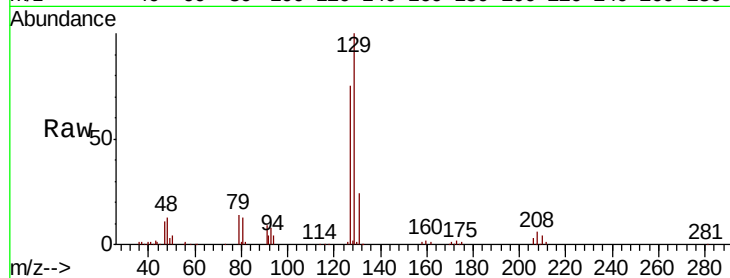
VSTDCCC020EC

Tot Ion:129 Resp: 214632

Ion Ratio Lower Upper

129 100

127 75.9 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

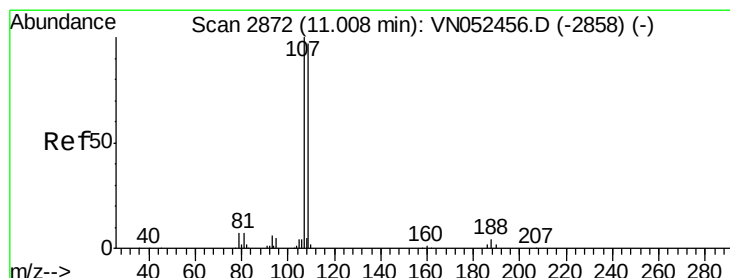
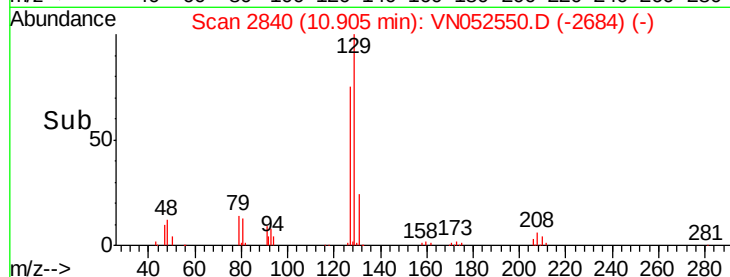
10.90

100000

50000

0

Time-->



#54

1,2-Dibromoethane

Concen: 19.622 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052550.D

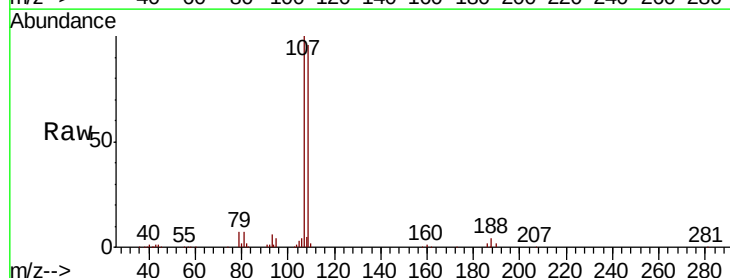
Acq: 29 Nov 2018 5:40

Tgt Ion:107 Resp: 194691

Ion Ratio Lower Upper

107 100

109 95.3 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

120000

100000

80000

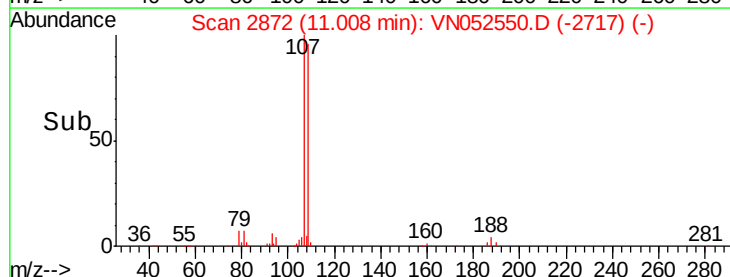
60000

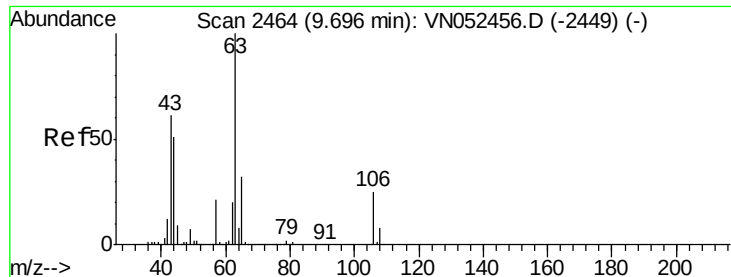
40000

20000

0

Time-->

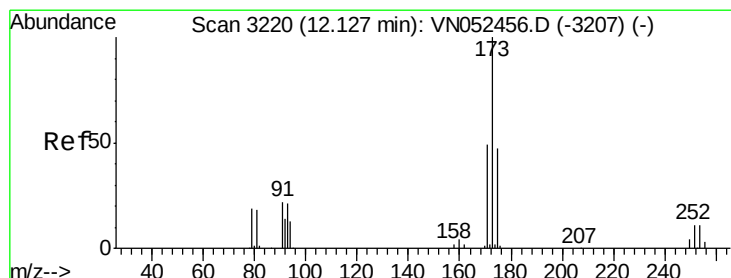
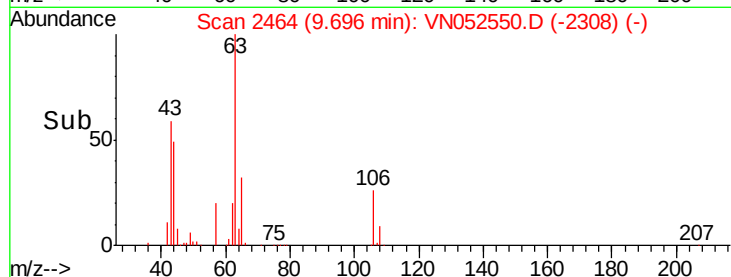
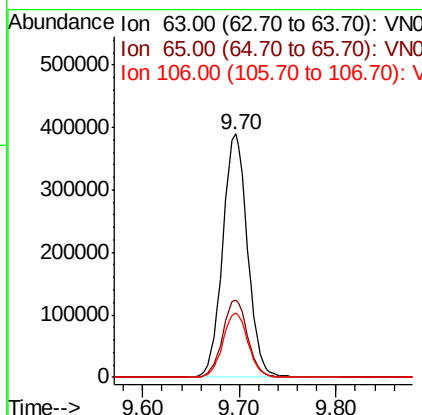
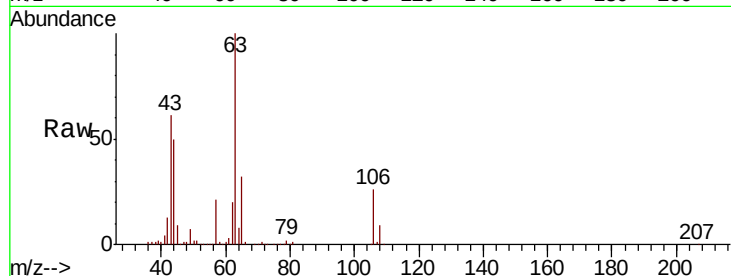




#55
 2-Chloroethyl vinyl ether
 Concen: 93.144 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

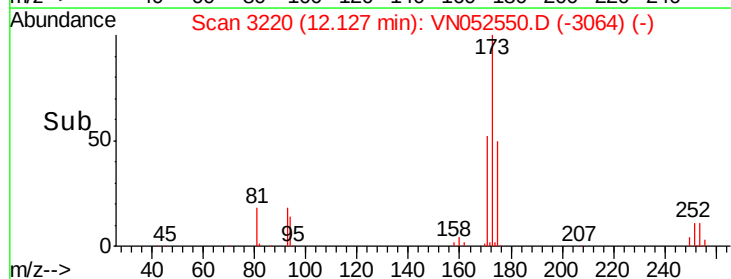
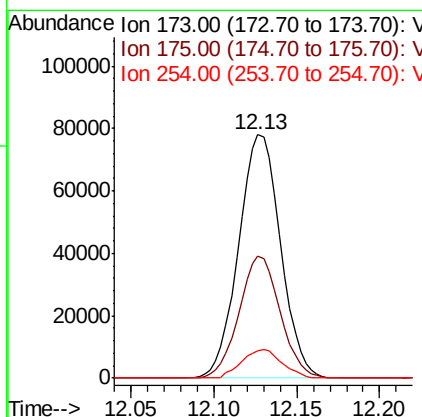
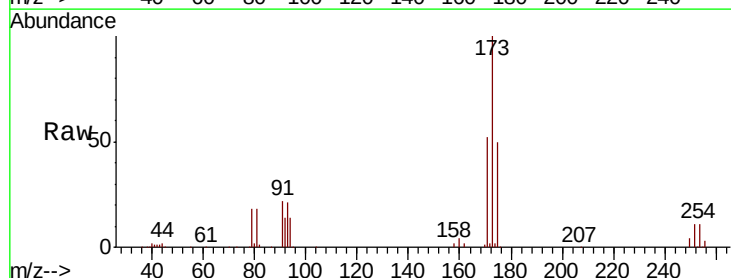
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

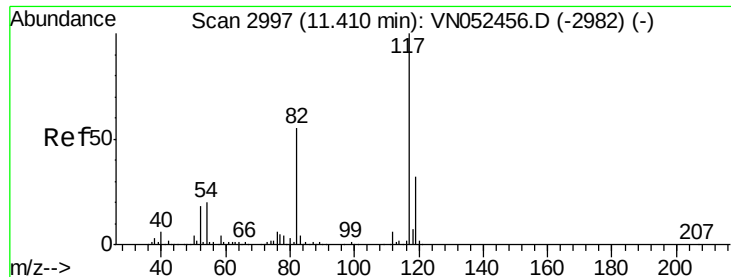
Tot Ion: 63 Resp: 695318
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.2
 106 26.8 20.4 30.6



#56
 Bromoform
 Concen: 18.769 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 173 Resp: 137148
 Ion Ratio Lower Upper
 173 100
 175 49.0 38.7 58.1
 254 11.2 8.4 12.6

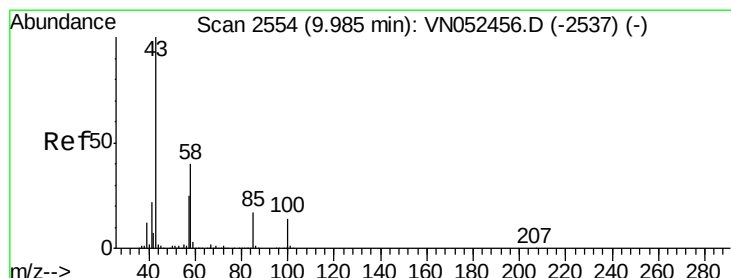
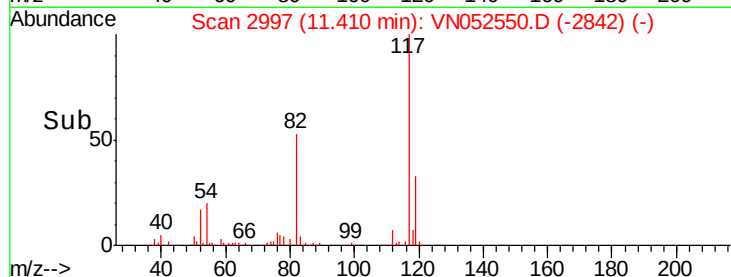
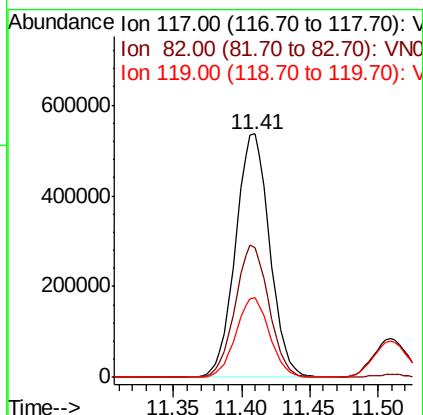
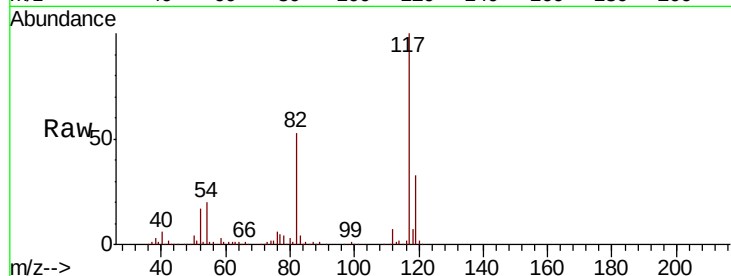




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

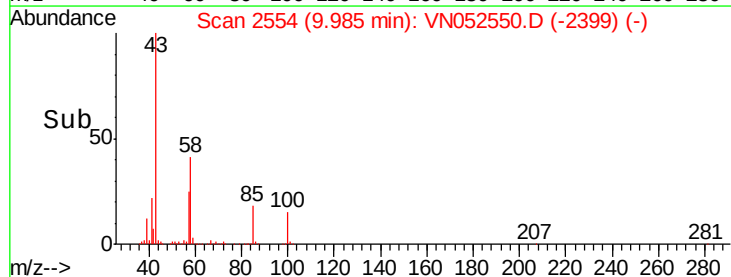
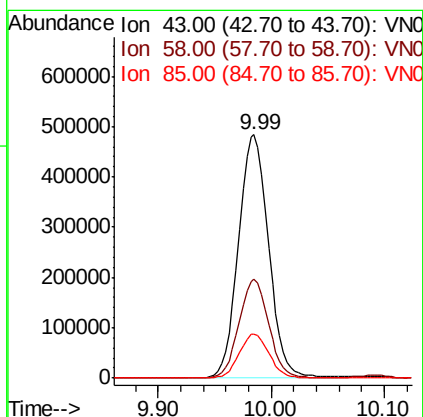
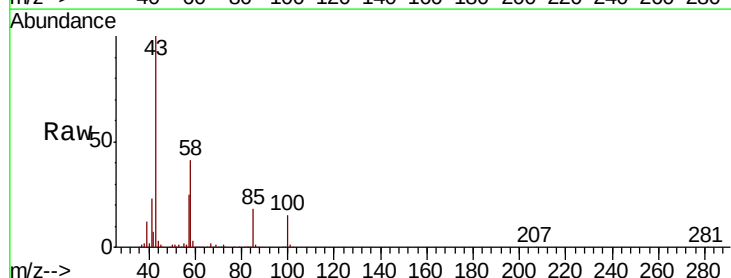
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

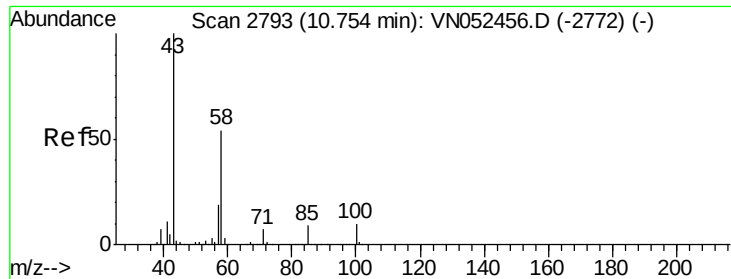
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	32.3	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 99.351 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4
85	17.9	13.3	19.9

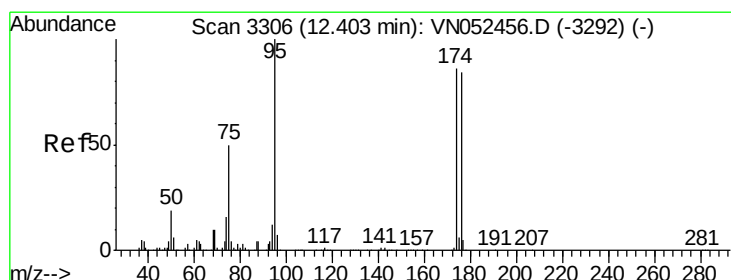
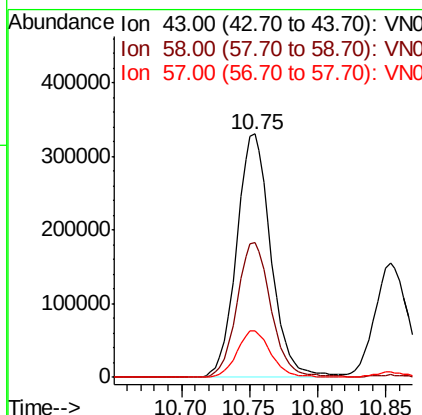
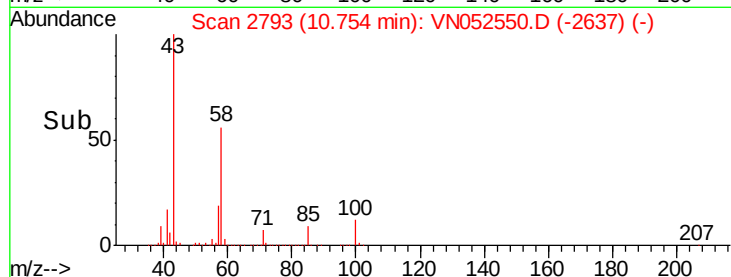
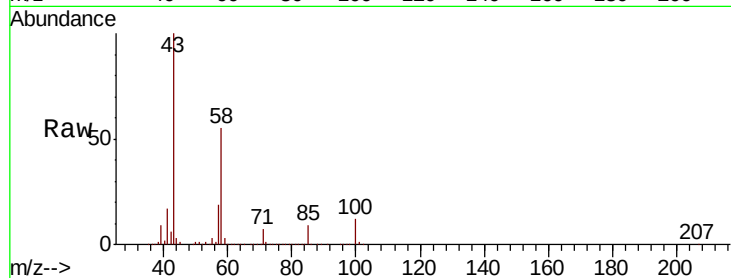




#59
2-Hexanone
Concen: 92.907 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

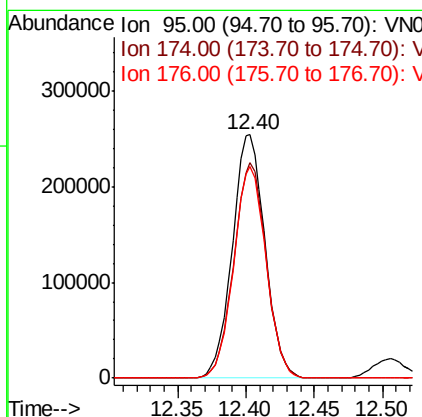
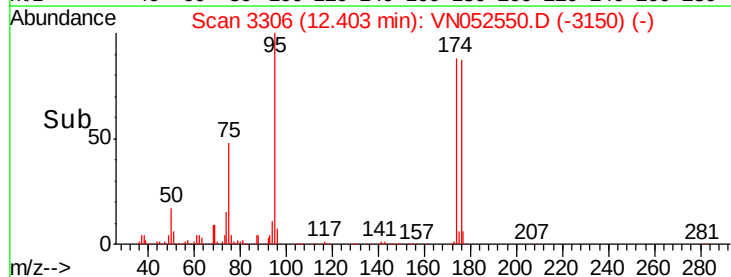
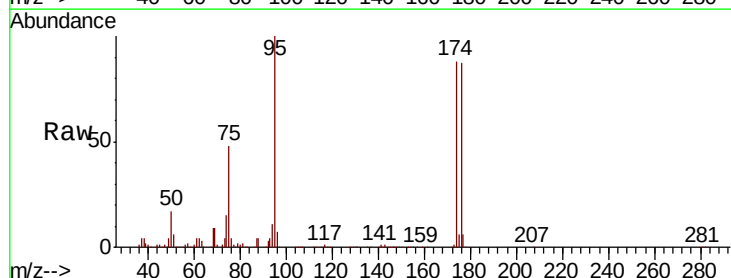
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

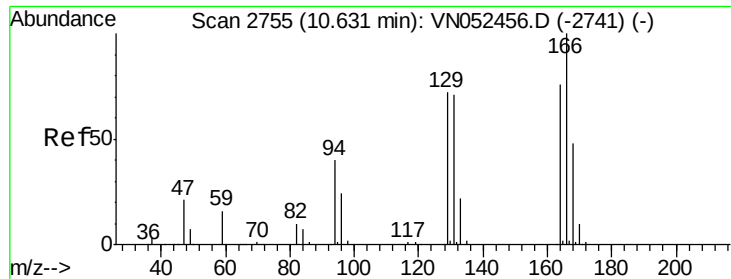
Tot Ion: 43 Resp: 573152
Ion Ratio Lower Upper
43 100
58 55.7 43.2 64.8
57 19.1 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 92.907 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion: 95 Resp: 422717
Ion Ratio Lower Upper
95 100
174 87.7 67.9 101.9
176 86.0 66.4 99.6





#61

Tetrachloroethene

Concen: 21.233 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 243603

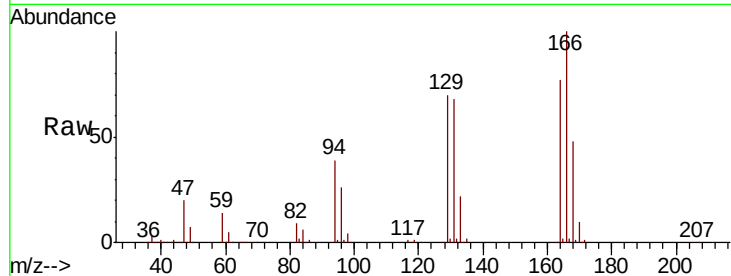
Ion Ratio Lower Upper

164 100

166 130.4 104.6 157.0

129 91.9 75.3 112.9

131 88.0 74.3 111.5

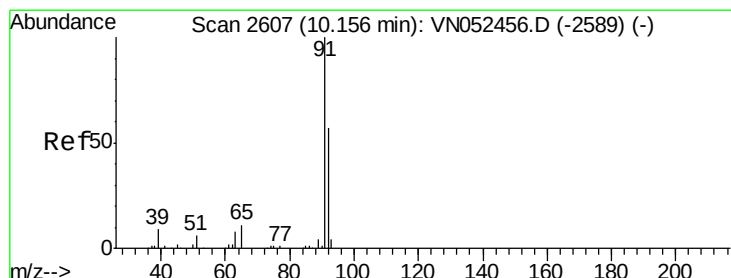
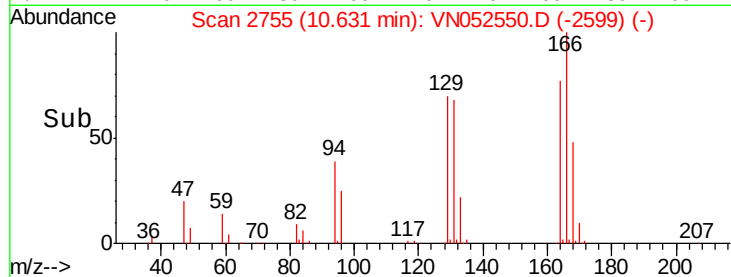
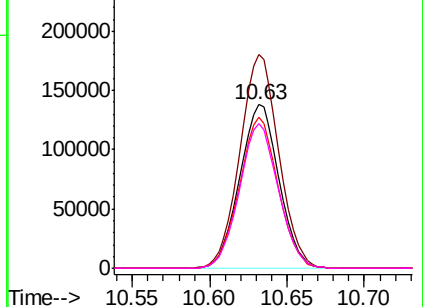


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.696 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052550.D

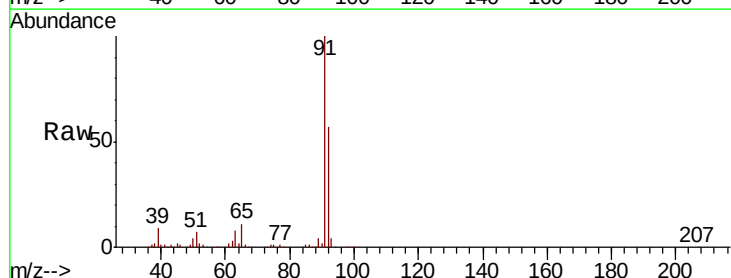
Acq: 29 Nov 2018 5:40

Tgt Ion: 91 Resp: 1011457

Ion Ratio Lower Upper

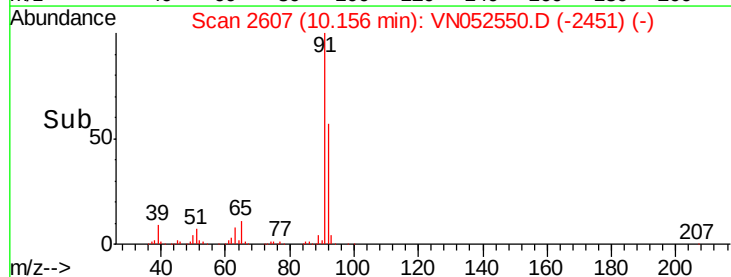
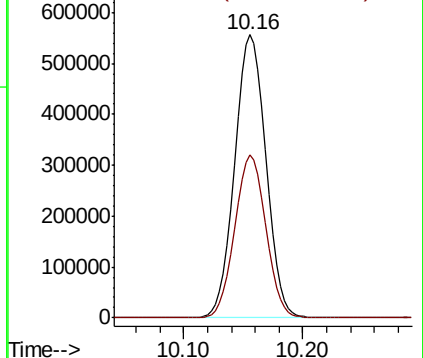
91 100

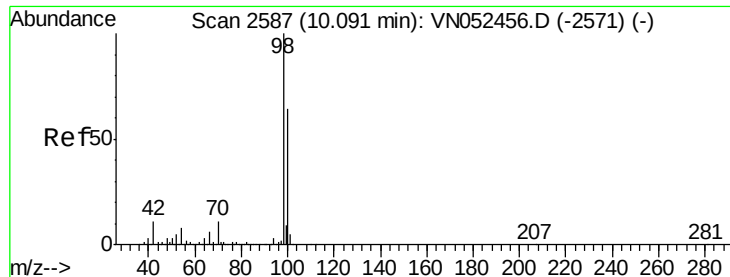
92 57.4 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 19.696 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

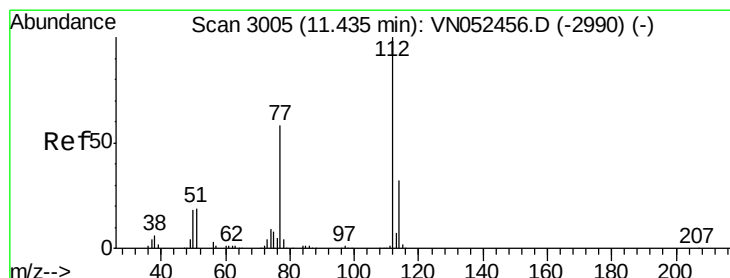
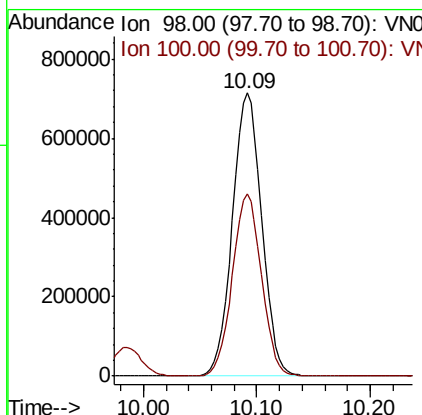
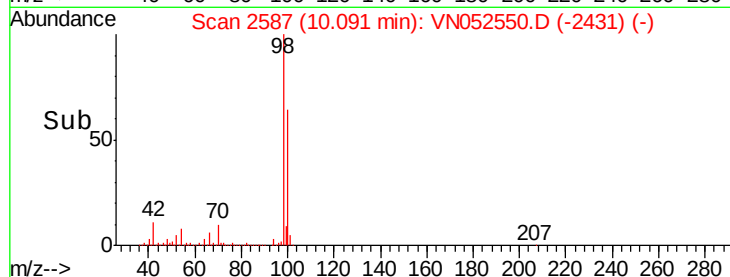
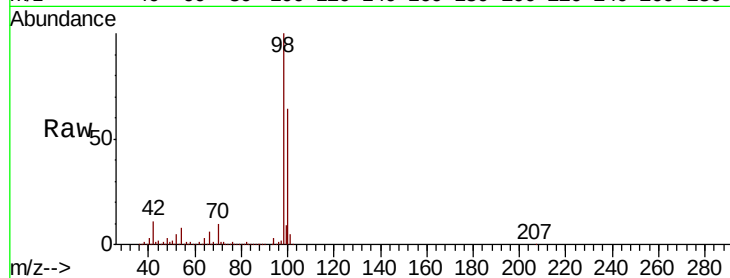
VSTDCCC020EC

Tot Ion: 98 Resp: 1290509

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



#64

Chlorobenzene

Concen: 19.688 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN052550.D

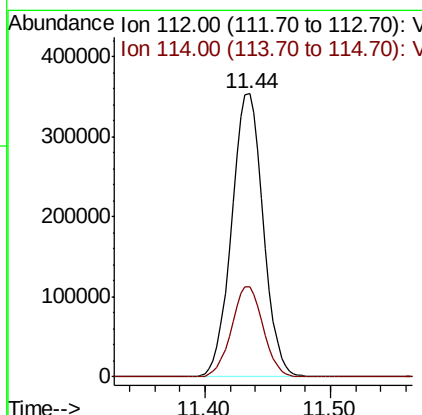
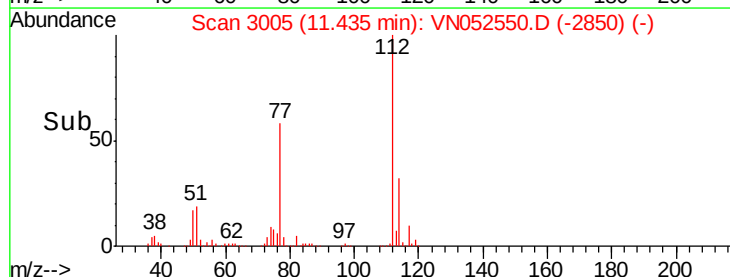
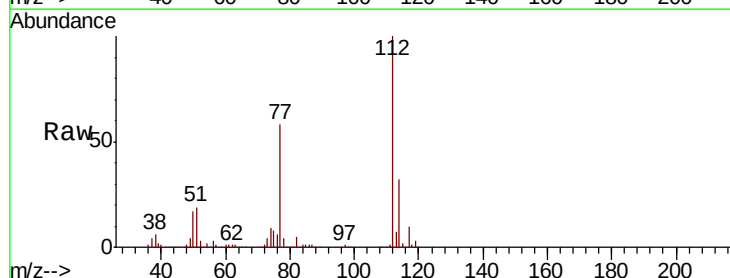
Acq: 29 Nov 2018 5:40

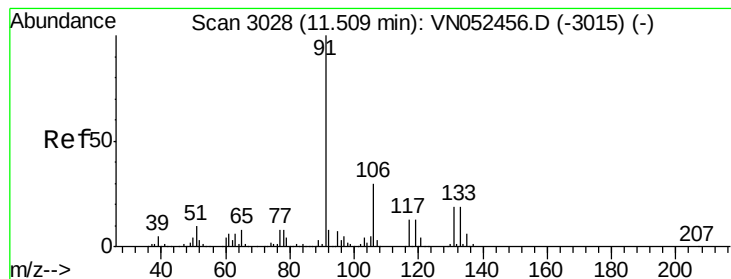
Tgt Ion: 112 Resp: 617086

Ion Ratio Lower Upper

112 100

114 31.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.685 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

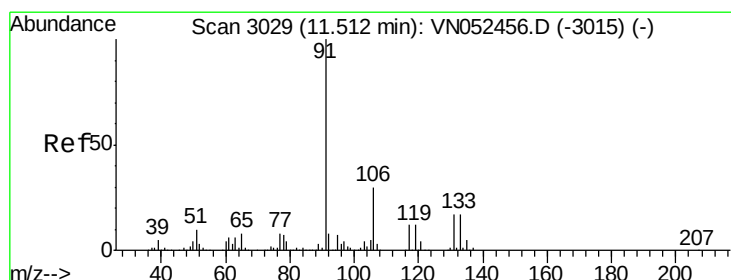
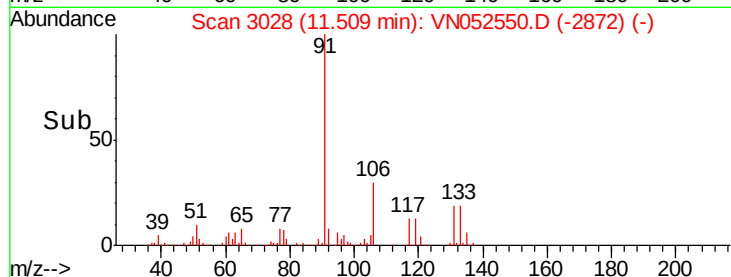
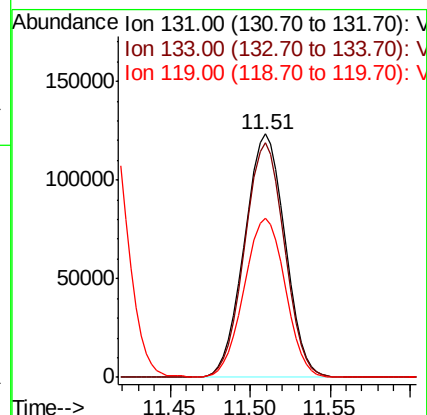
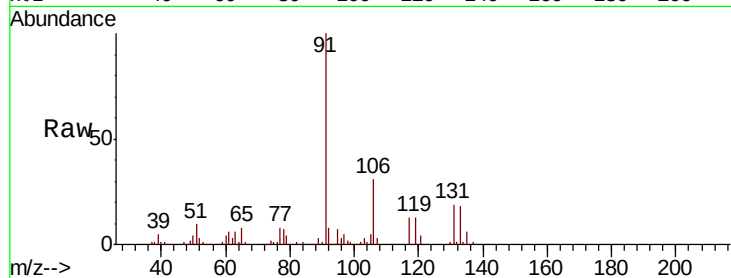
Tot Ion:131 Resp: 214170

Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.4

119 66.2 0.0 133.0



#66

Ethyl Benzene

Concen: 19.502 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052550.D

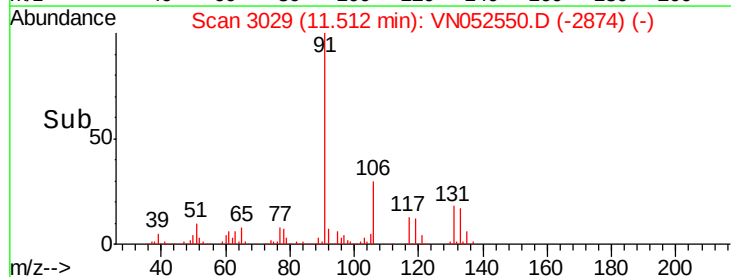
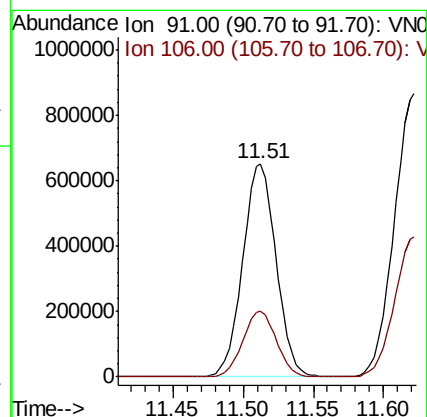
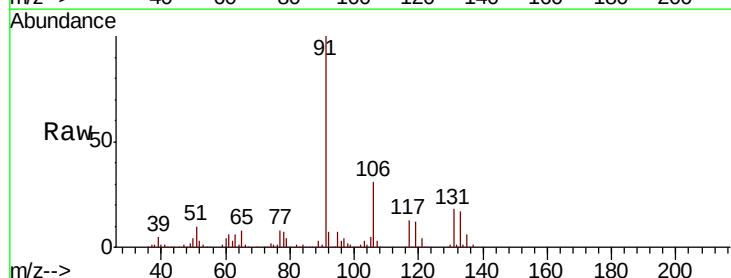
Acq: 29 Nov 2018 5:40

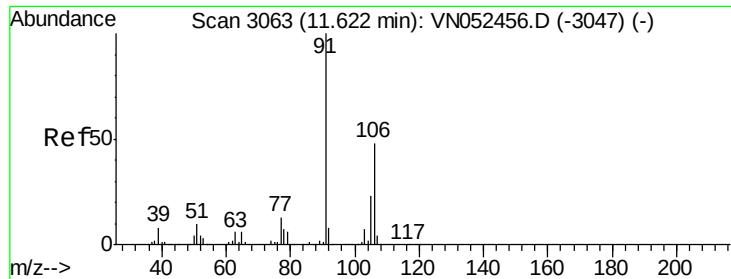
Tgt Ion: 91 Resp: 1079366

Ion Ratio Lower Upper

91 100

106 30.8 24.3 36.5

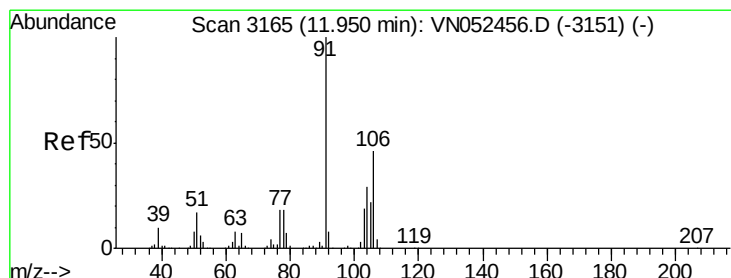
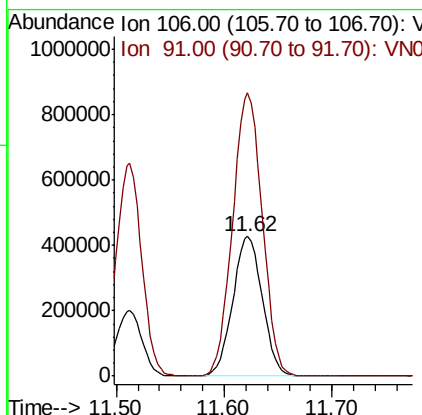
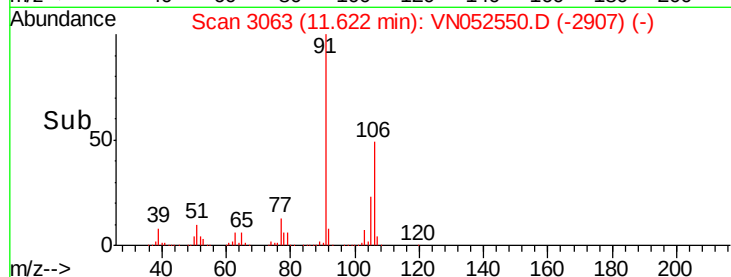
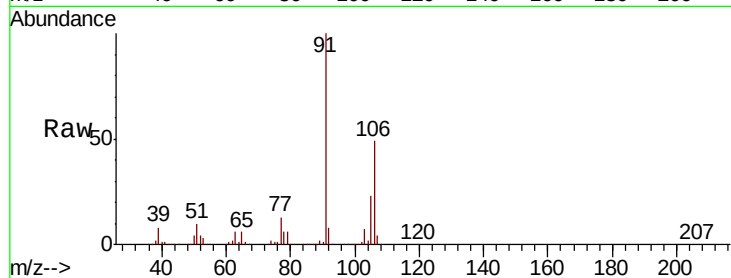




#67
m/p-Xylenes
Concen: 39.490 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

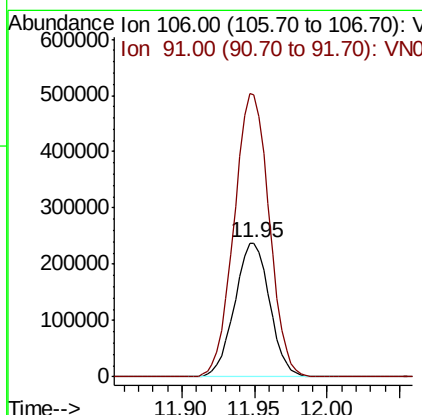
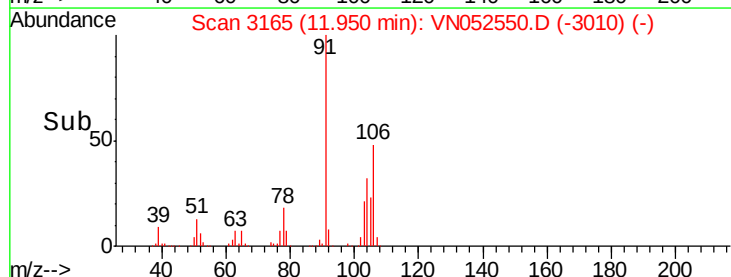
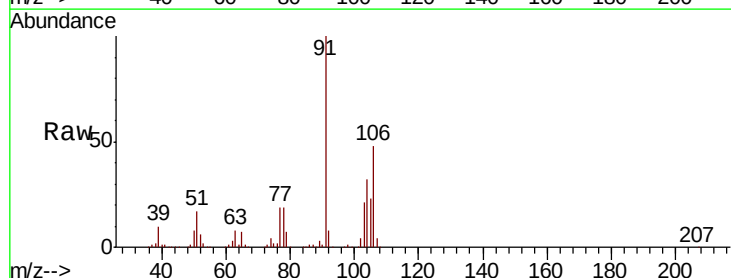
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

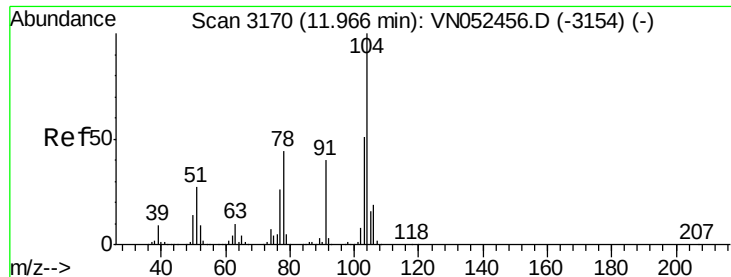
Tot Ion:106 Resp: 814254
Ion Ratio Lower Upper
106 100
91 204.1 163.9 245.9



#68
o-Xylene
Concen: 19.941 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052550.D
Acq: 29 Nov 2018 5:40

Tgt Ion:106 Resp: 399079
Ion Ratio Lower Upper
106 100
91 212.2 107.8 323.4





#69

Stvrene

Concen: 19.570 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

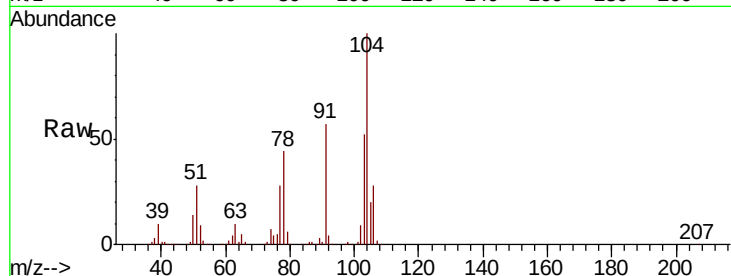
Tot Ion:104 Resp: 632166

Ion Ratio Lower Upper

104 100

78 49.0 39.3 58.9

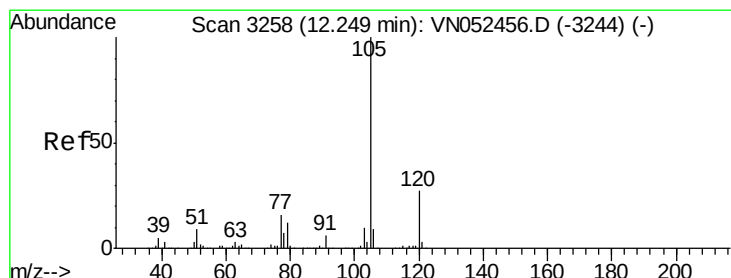
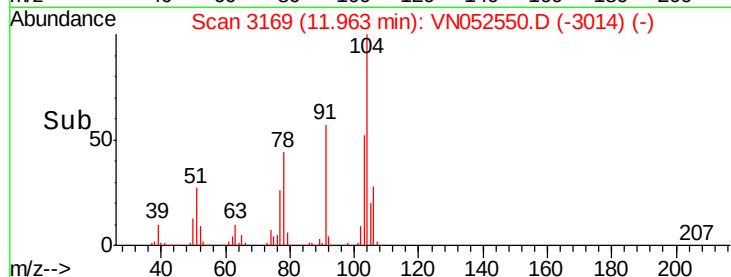
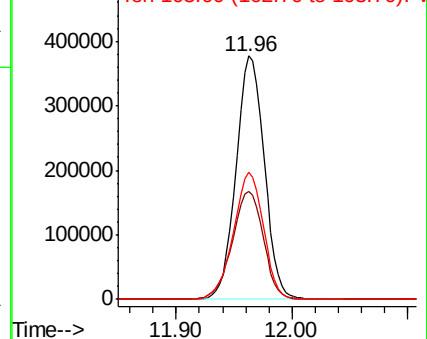
103 55.7 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.893 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052550.D

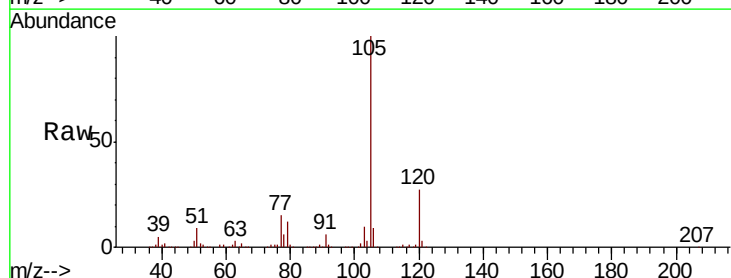
Acq: 29 Nov 2018 5:40

Tgt Ion:105 Resp: 1059290

Ion Ratio Lower Upper

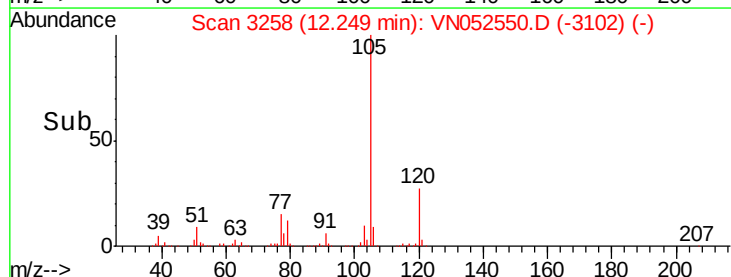
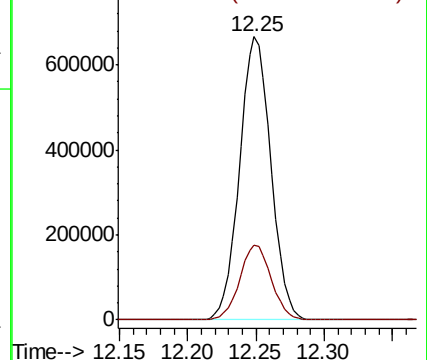
105 100

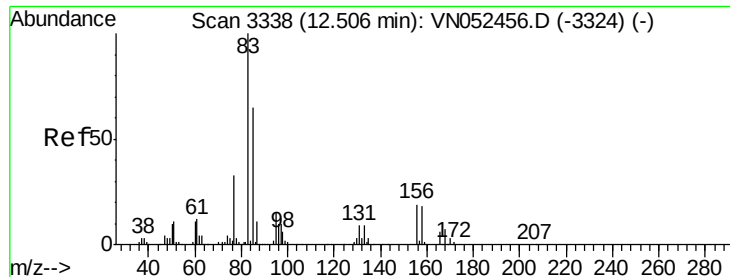
120 26.6 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

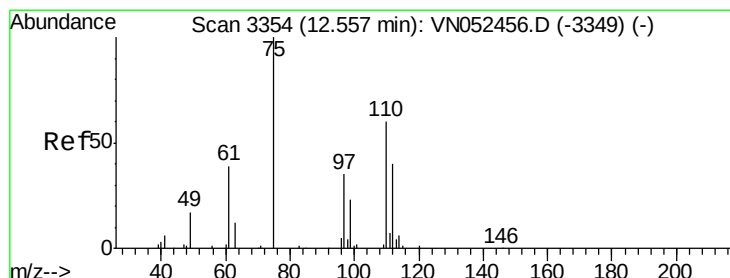
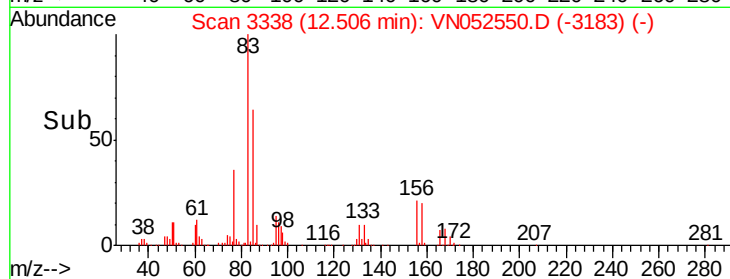
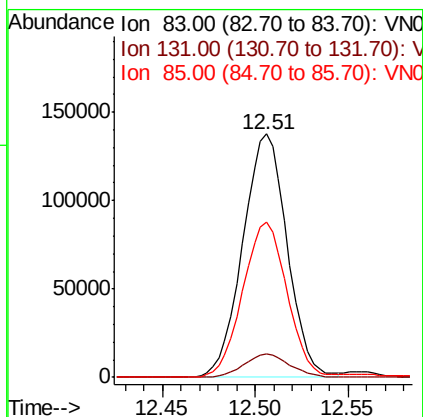
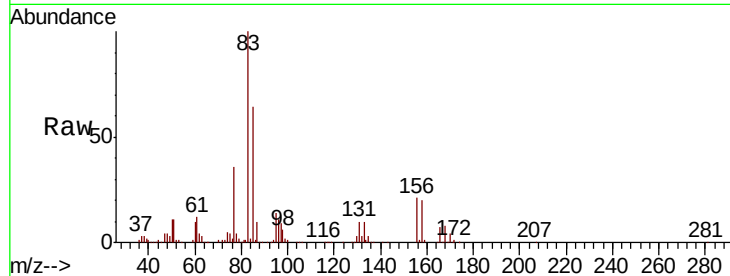




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.831 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

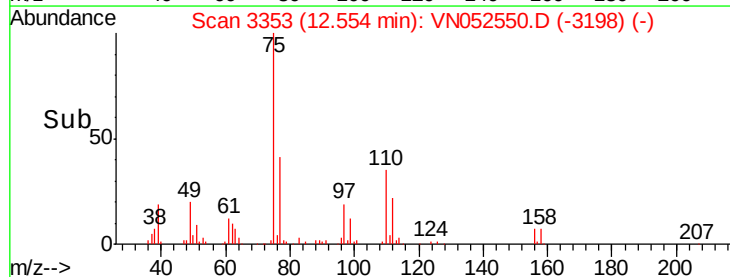
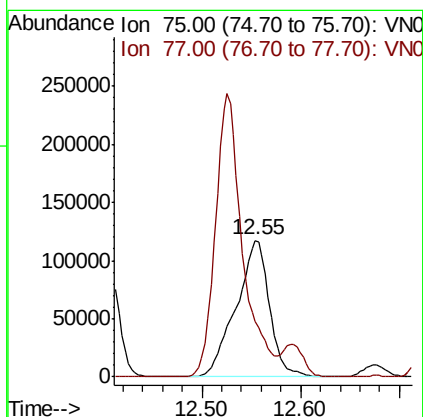
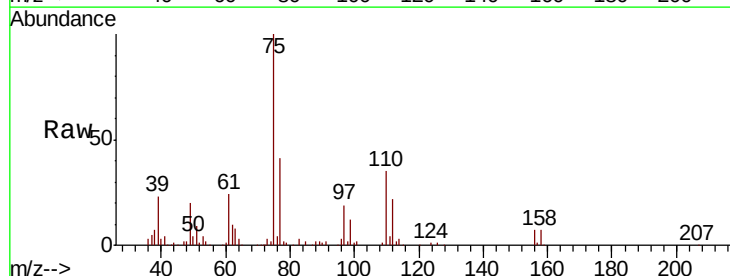
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

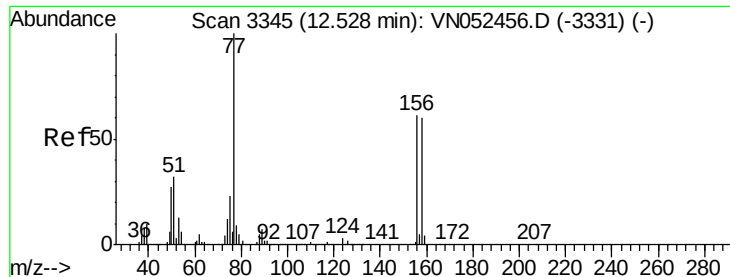
Tot Ion: 83 Resp: 229708
 Ion Ratio Lower Upper
 83 100
 131 10.0 4.9 14.6
 85 63.7 32.2 96.6



#72
 1,2,3-Trichloropropane
 Concen: 27.720 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion: 75 Resp: 275631
 Ion Ratio Lower Upper
 75 100
 77 170.7 0.0 514.8





#73

Bromobenzene

Concen: 20.110 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

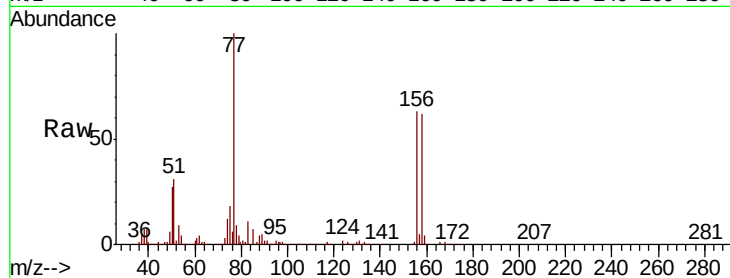
Tot Ion:156 Resp: 258981

Ion Ratio Lower Upper

156 100

77 181.7 0.0 382.6

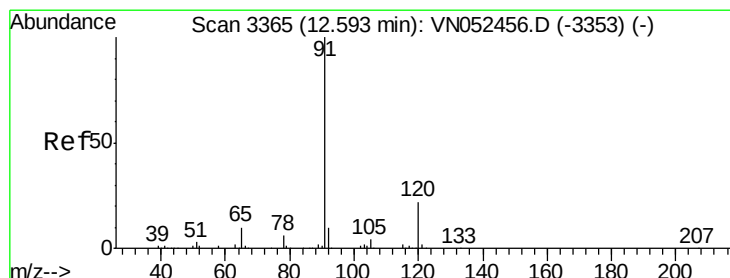
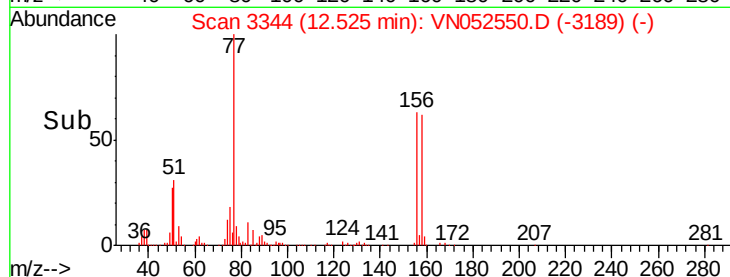
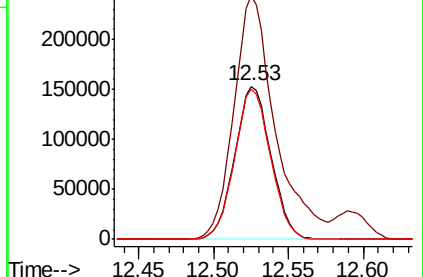
158 96.9 0.0 196.8



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: 19.146 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052550.D

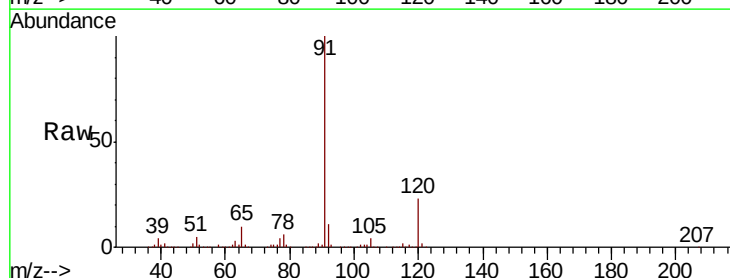
Acq: 29 Nov 2018 5:40

Tgt Ion: 91 Resp: 1187852

Ion Ratio Lower Upper

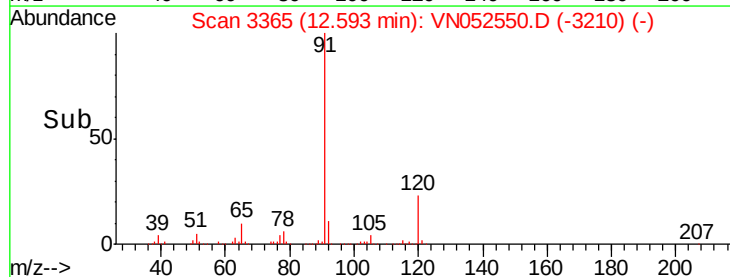
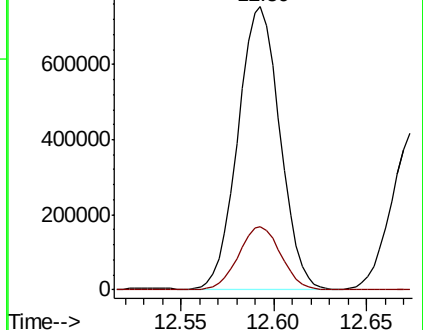
91 100

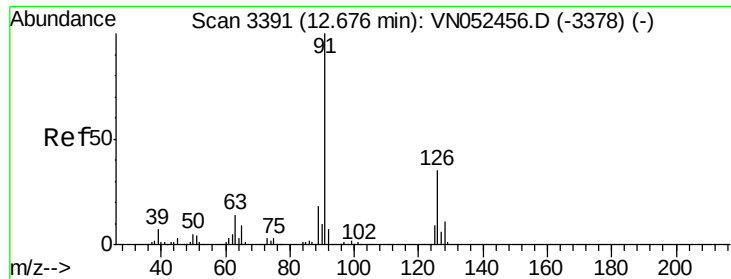
120 22.5 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.638 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

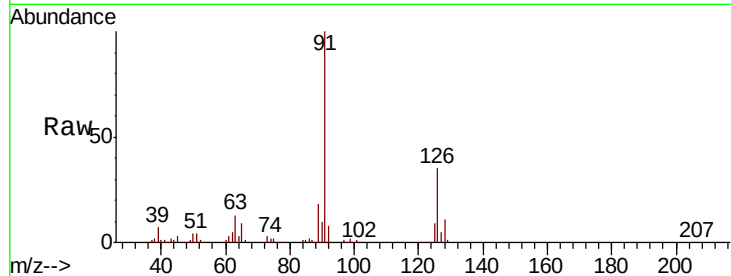
VSTDCCC020EC

Tot Ion: 91 Resp: 707209

Ion Ratio Lower Upper

91 100

126 34.5 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052456.D (-3378) (-)

600000

400000

200000

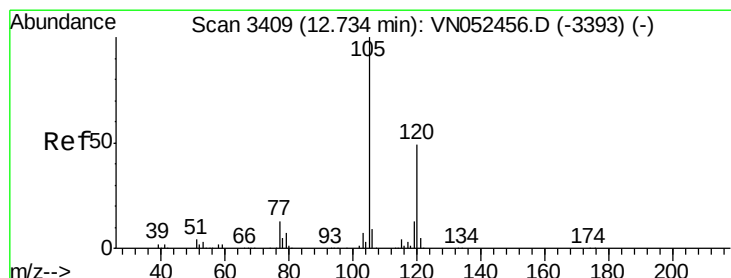
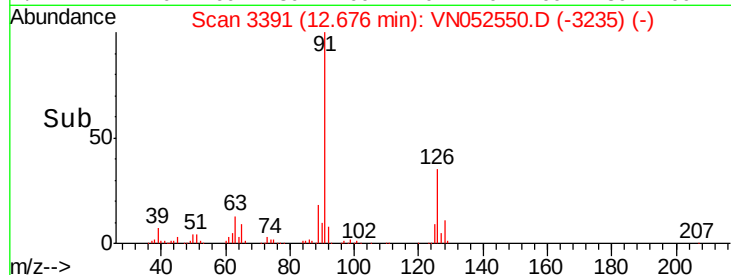
0

12.68

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.690 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052550.D

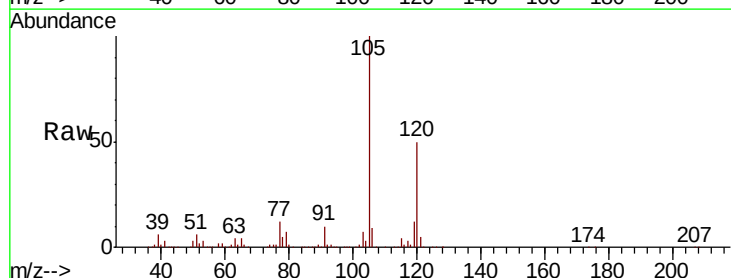
Acq: 29 Nov 2018 5:40

Tgt Ion: 105 Resp: 846846

Ion Ratio Lower Upper

105 100

120 49.4 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN052456.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN052456.D (-3393) (-)

600000

500000

400000

300000

200000

100000

0

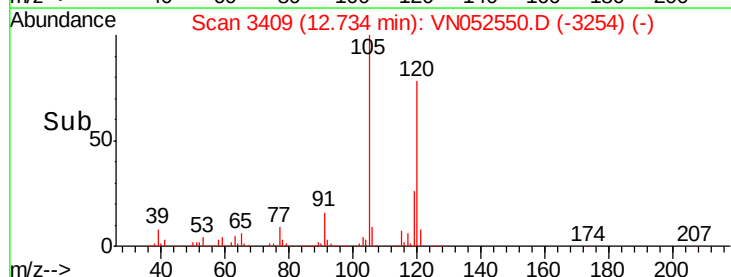
12.73

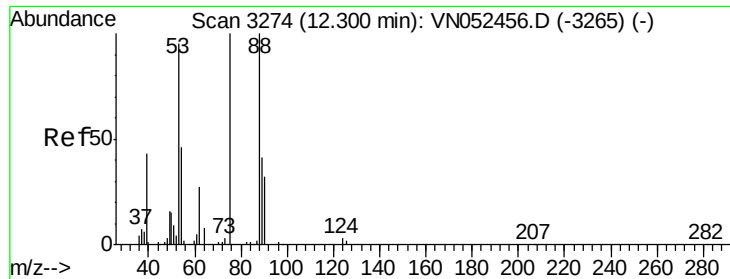
12.70

12.75

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 15.889 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

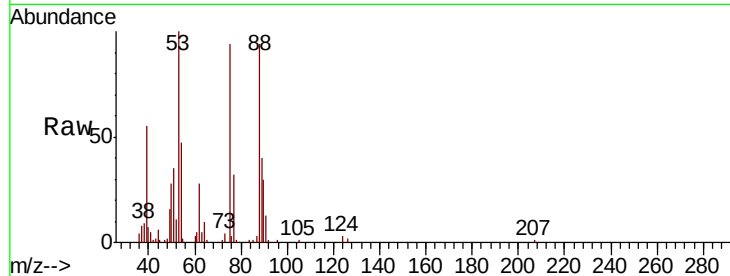
Tot Ion: 75 Resp: 49908

Ion Ratio Lower Upper

75 100

53 105.5 48.5 145.6

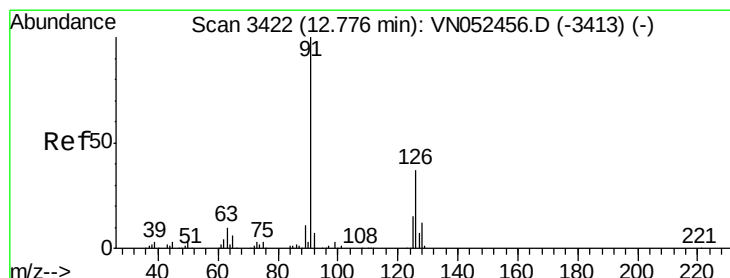
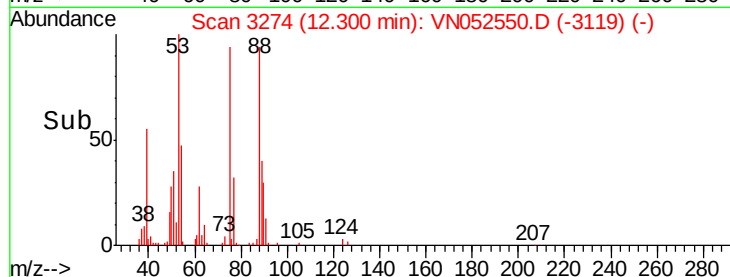
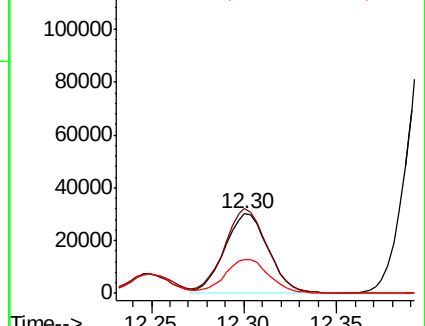
89 42.4 21.7 65.1



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: 19.386 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052550.D

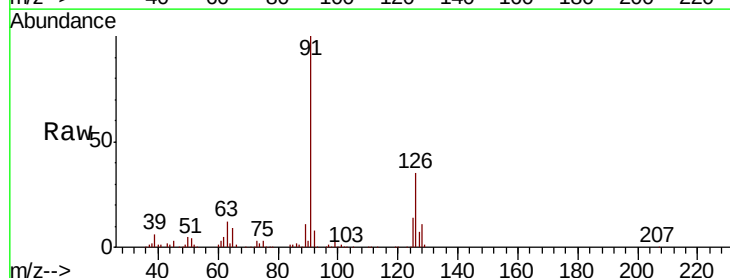
Acq: 29 Nov 2018 5:40

Tgt Ion: 91 Resp: 697174

Ion Ratio Lower Upper

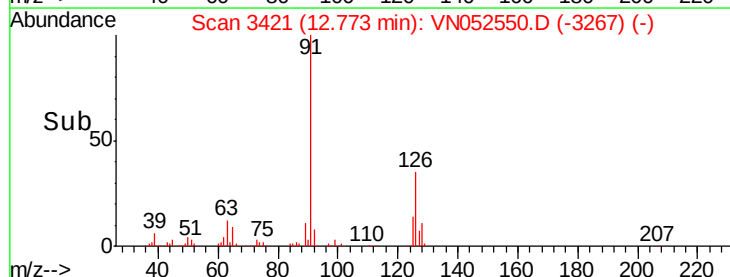
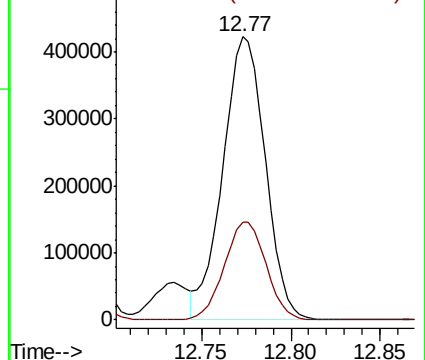
91 100

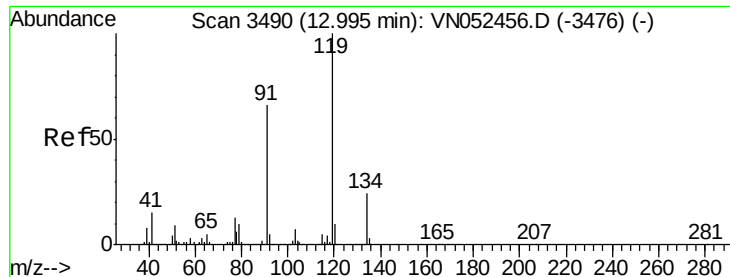
126 34.2 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

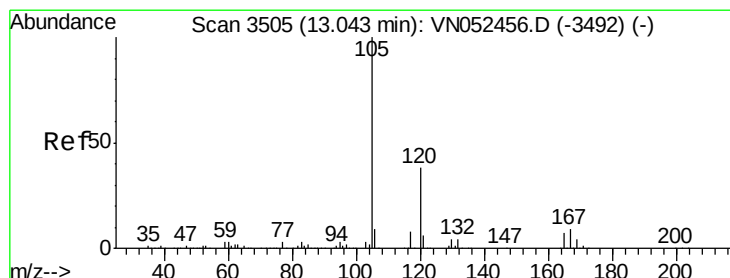
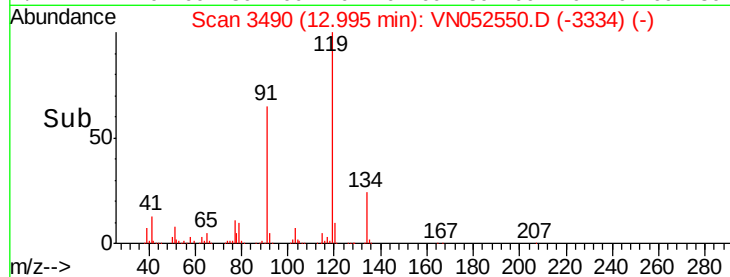
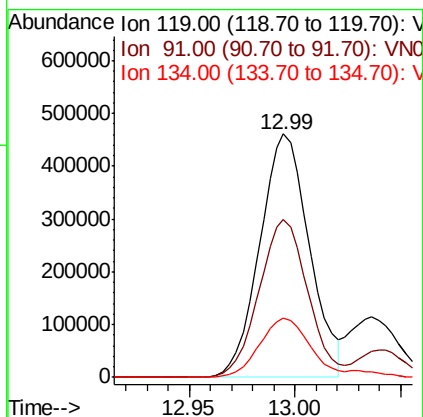
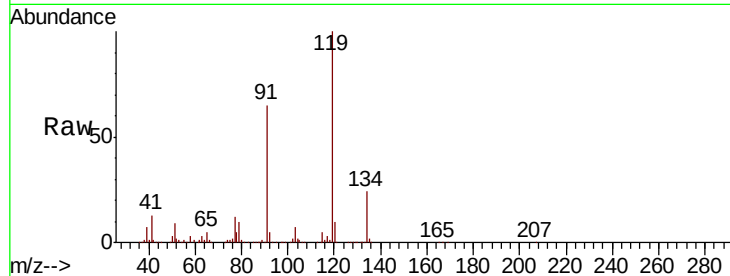




#79
 tert-butylbenzene
 Concen: 20.141 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

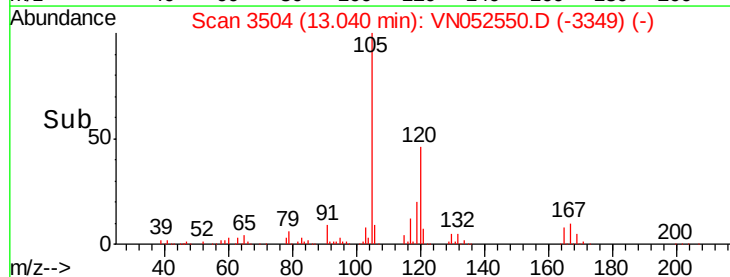
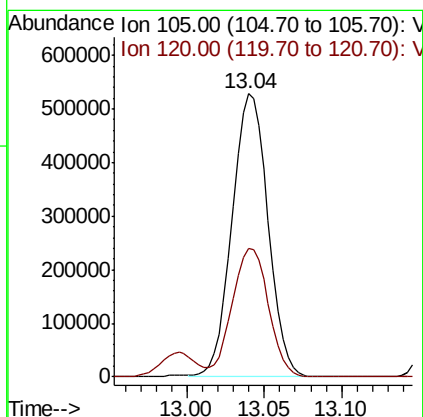
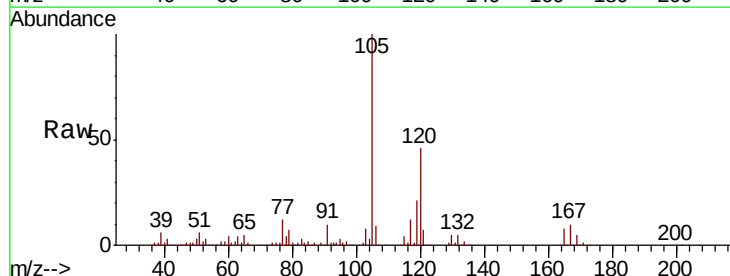
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

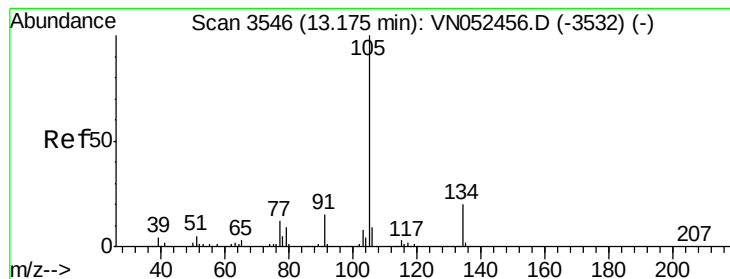
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	0.0	129.8
134	24.5	0.0	52.2



#80
 1,2,4-Trimethylbenzene
 Concen: 19.761 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	91.0





#81

sec-Butylbenzene

Concen: 19.158 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

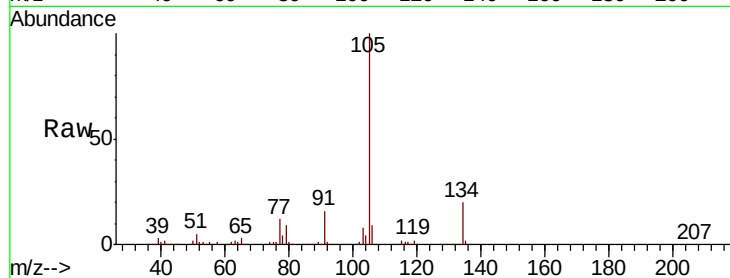
VSTDCCC020EC

Tot Ion:105 Resp: 999480

Ion Ratio Lower Upper

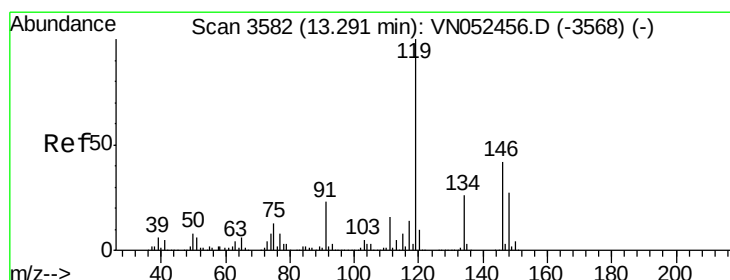
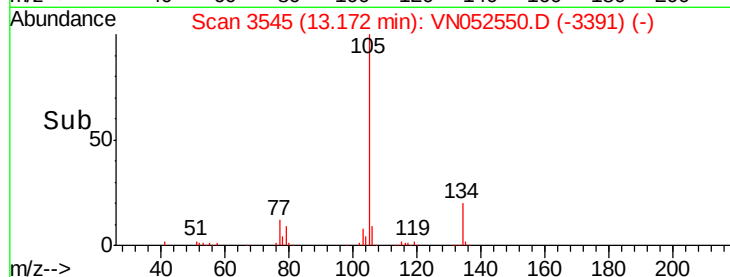
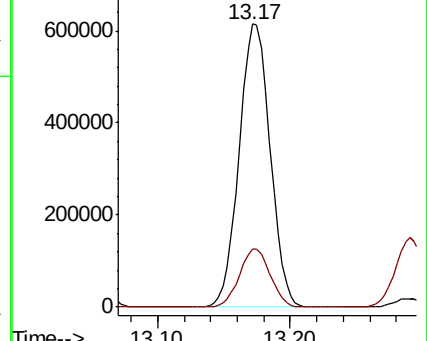
105 100

134 20.4 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.266 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

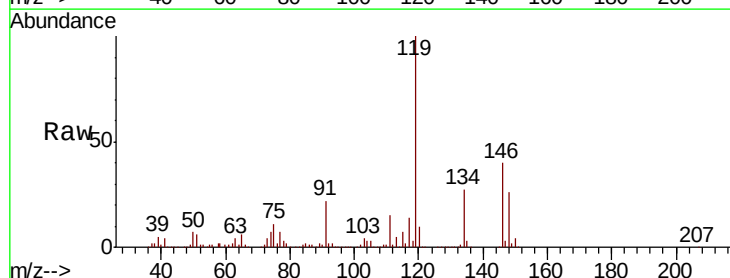
Tgt Ion:119 Resp: 855881

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

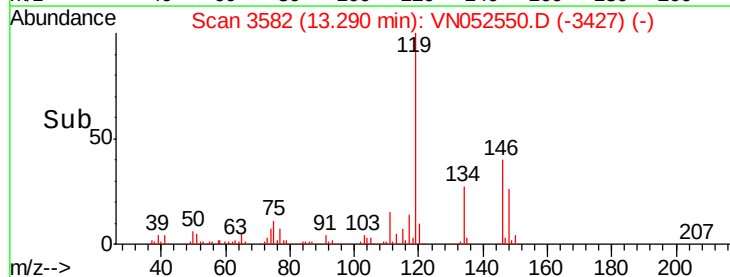
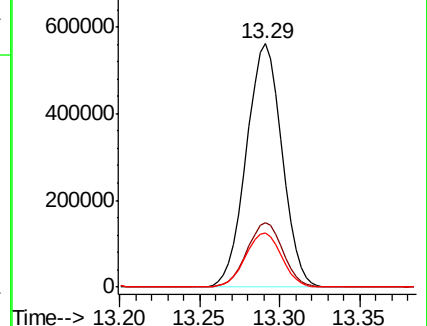
91 22.6 0.0 46.2

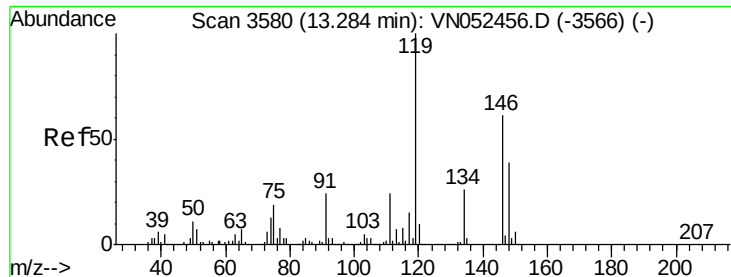


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 19.536 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

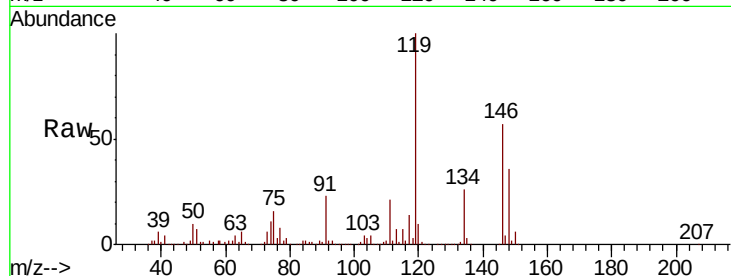
Tot Ion:146 Resp: 442493

Ion Ratio Lower Upper

146 100

111 37.9 19.7 59.0

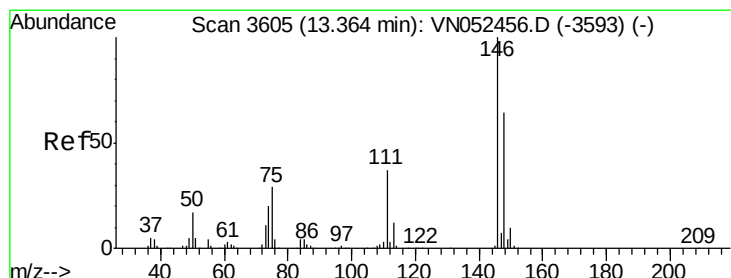
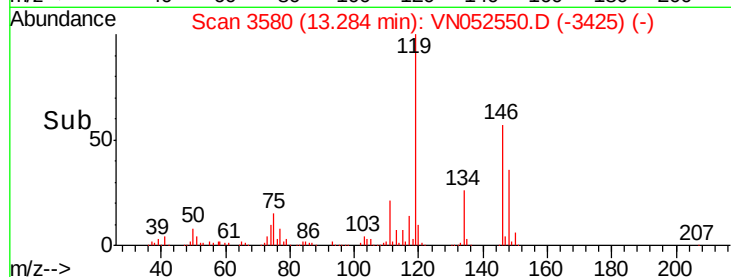
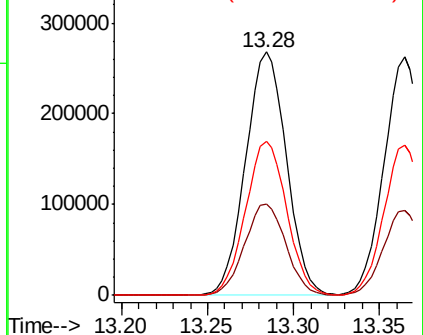
148 63.6 32.3 96.8



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: 19.538 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

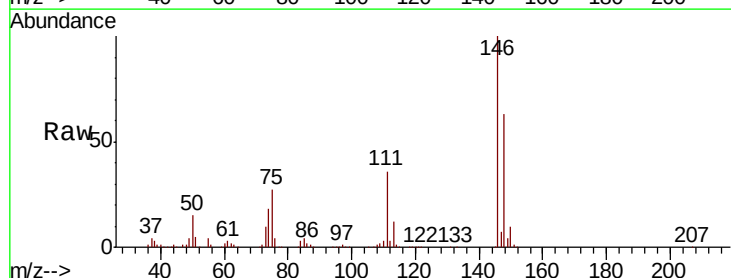
Tgt Ion:146 Resp: 427567

Ion Ratio Lower Upper

146 100

111 36.4 18.8 56.3

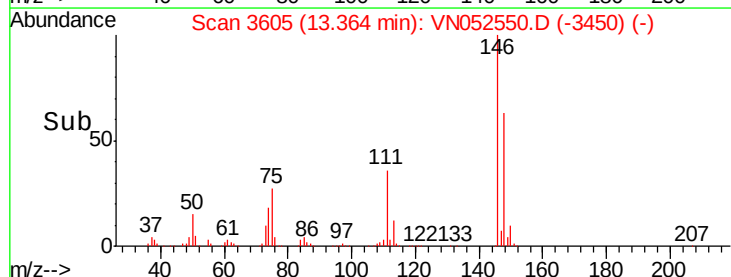
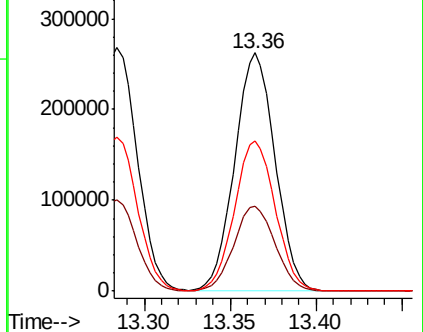
148 63.5 32.5 97.4

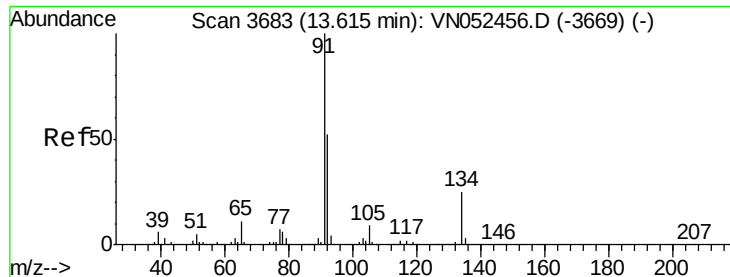


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.945 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

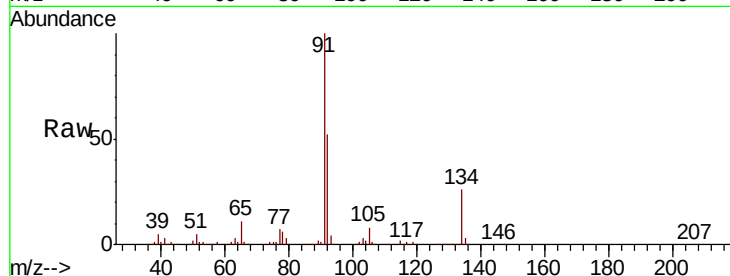
Tot Ion: 91 Resp: 684777

Ion Ratio Lower Upper

91 100

92 52.3 0.0 104.2

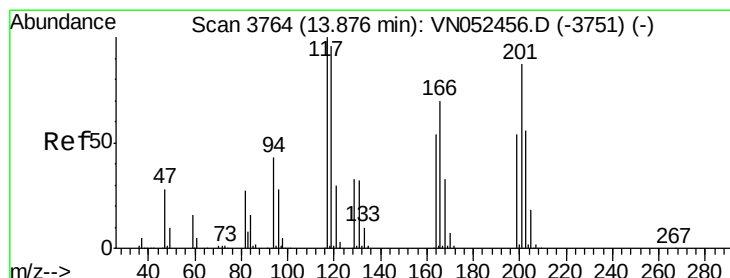
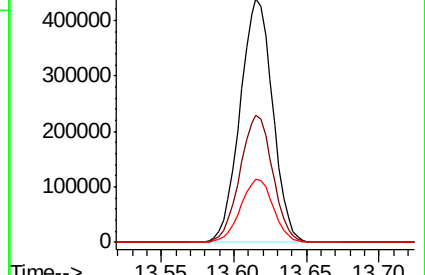
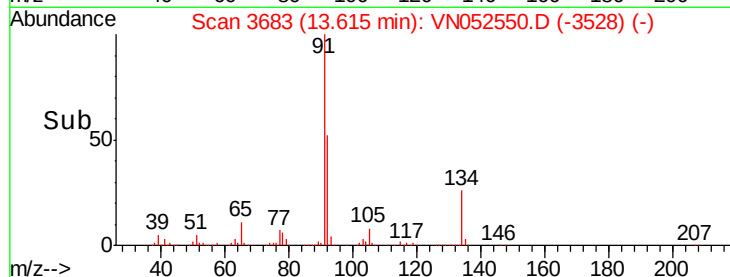
134 26.1 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN052456.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN052456.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN052456.D (-3669) (-)



#86

Hexachloroethane

Concen: 17.977 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052550.D

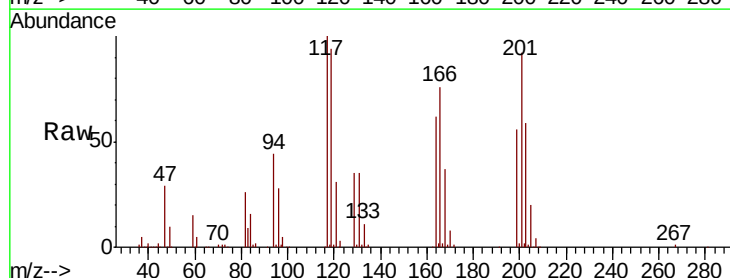
Acq: 29 Nov 2018 5:40

Tgt Ion: 117 Resp: 135319

Ion Ratio Lower Upper

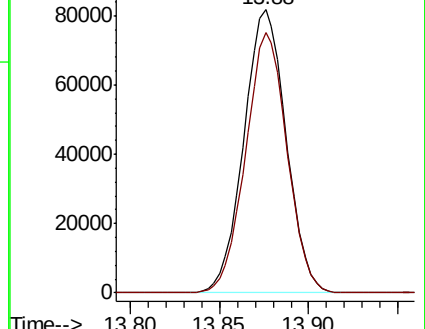
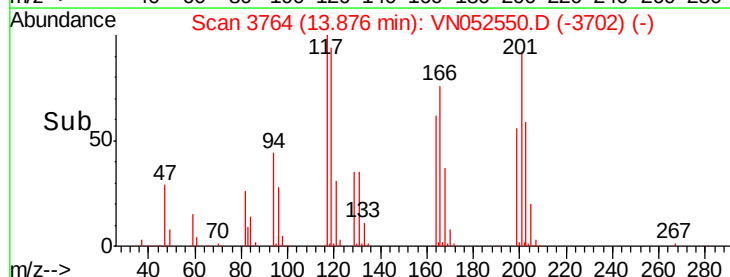
117 100

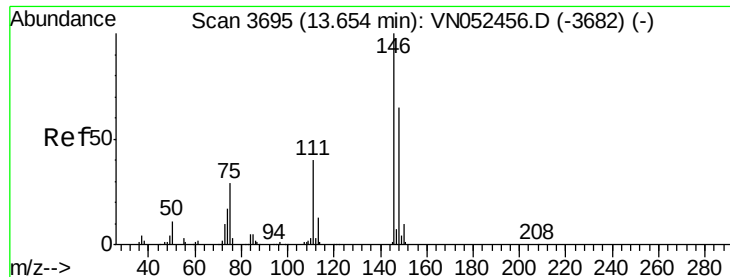
201 89.9 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN052456.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052456.D (-3751) (-)

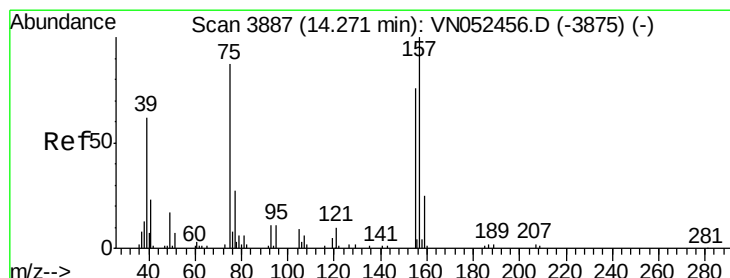
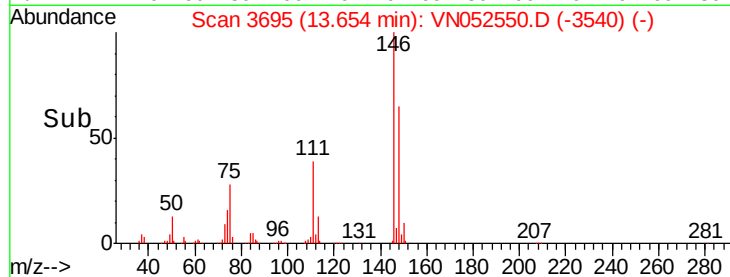
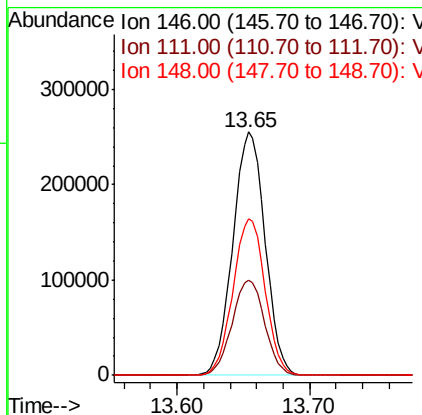
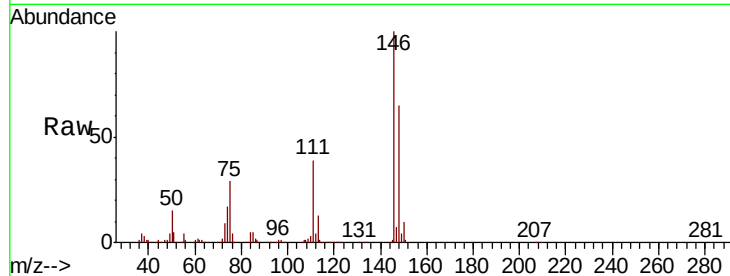




#87
 1,2-Dichlorobenzene
 Concen: 19.994 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

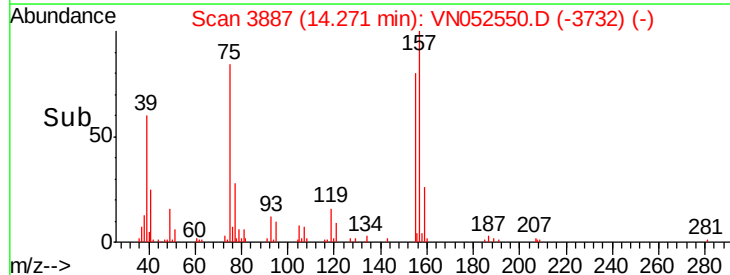
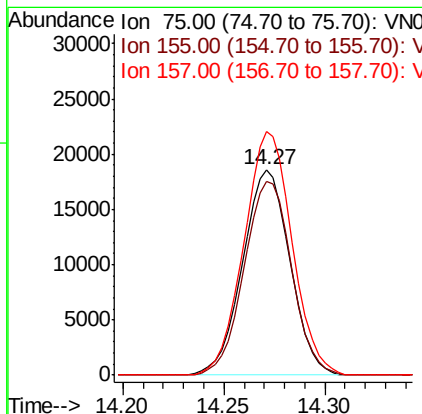
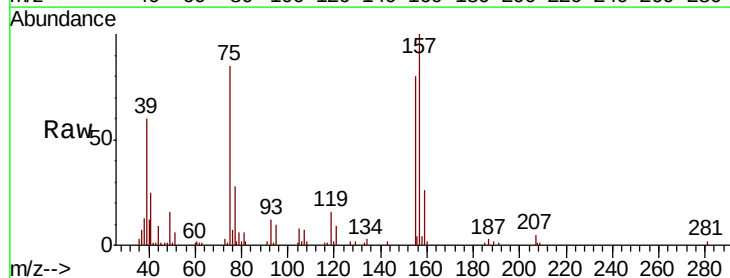
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

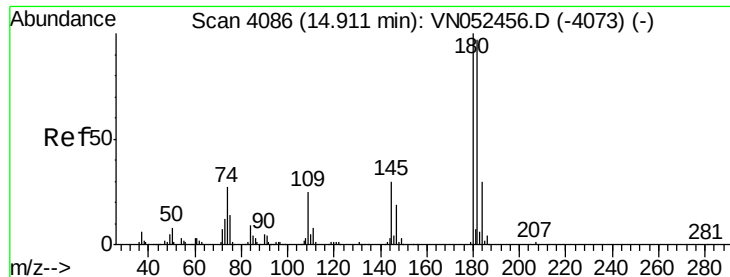
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	64.1	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.859 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	72.2	108.2
157	120.3	94.2	141.2

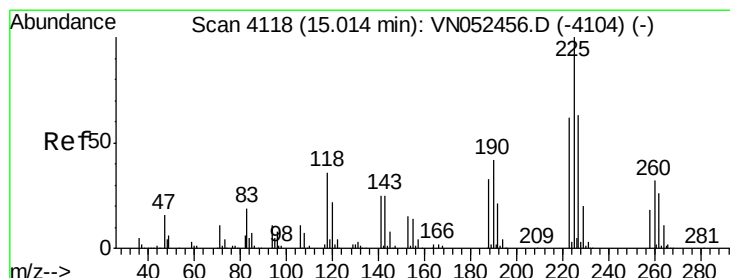
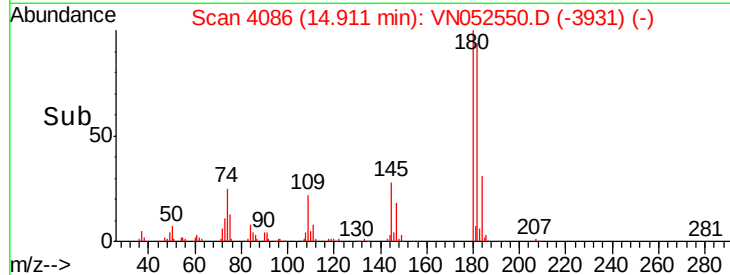
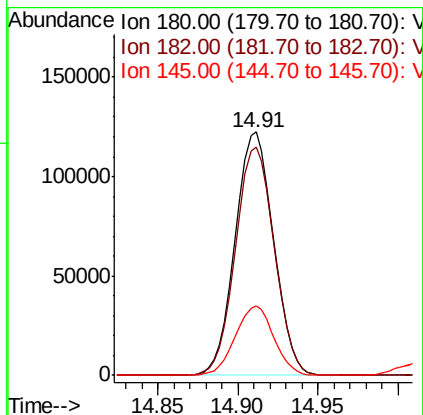
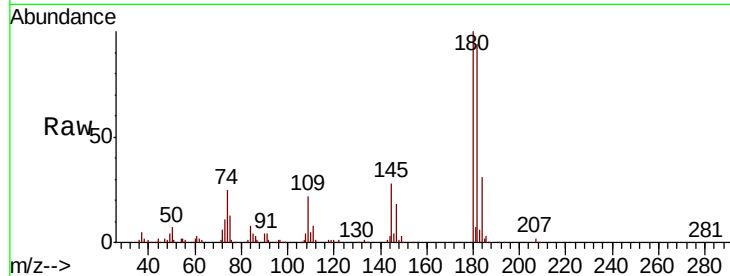




#89
 1,2,4-Trichlorobenzene
 Concen: 18.888 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

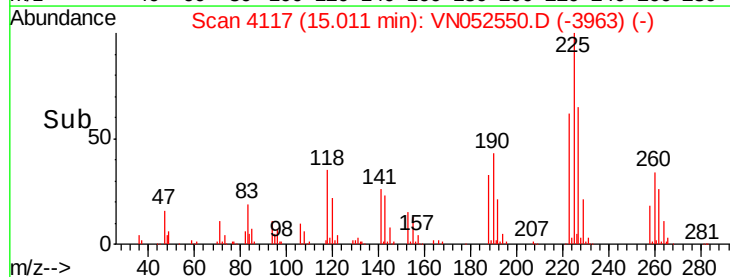
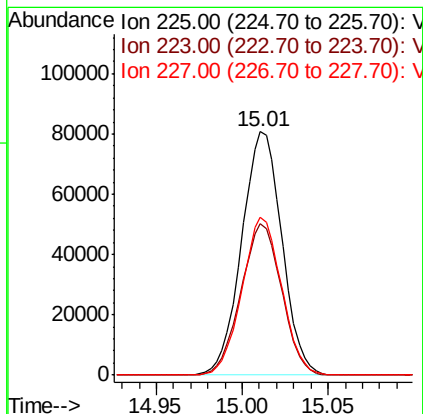
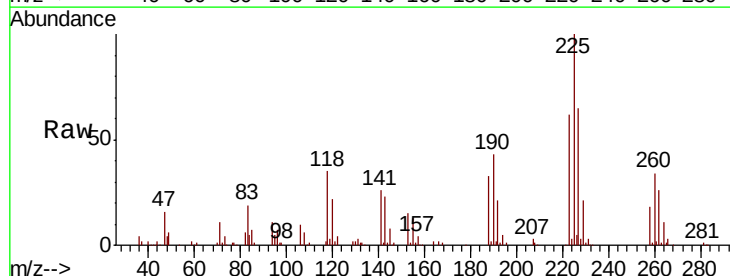
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

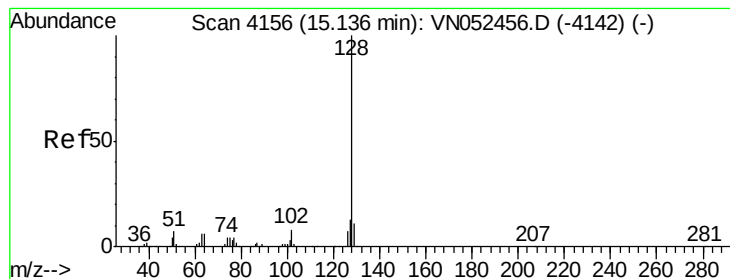
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.6	114.8
145	28.5	23.6	35.4



#90
 Hexachlorobutadiene
 Concen: 18.810 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052550.D
 Acq: 29 Nov 2018 5:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	0.0	125.6
227	63.6	0.0	127.8





#91

Naphthalene

Concen: 19.186 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

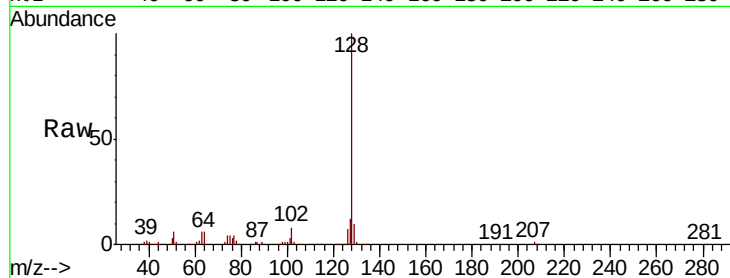
Tot Ion:128 Resp: 411432

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

129 10.6 8.5 12.7

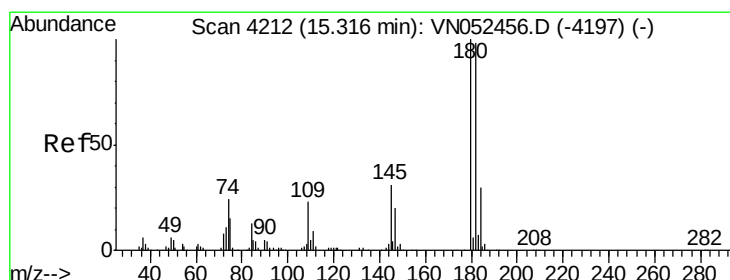
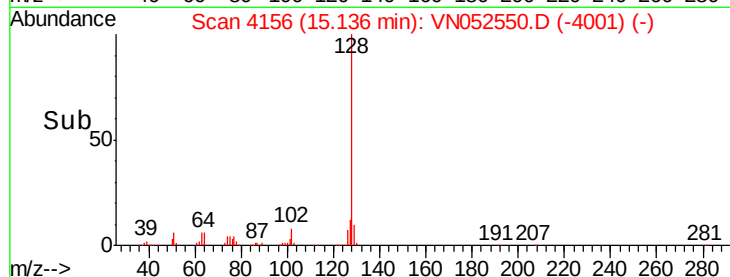
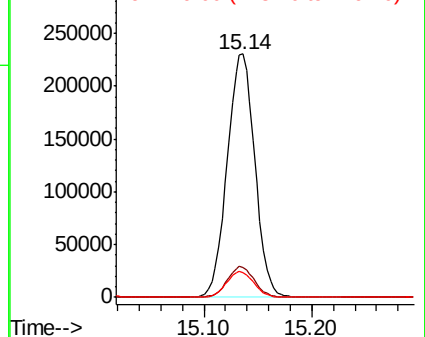


Abundance

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: 19.301 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052550.D

Acq: 29 Nov 2018 5:40

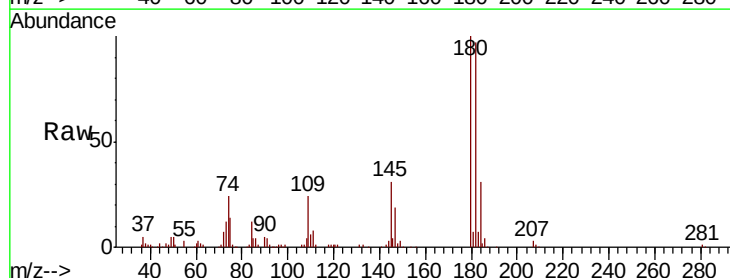
Tgt Ion:180 Resp: 188885

Ion Ratio Lower Upper

180 100

182 95.9 0.0 196.2

145 30.3 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

