

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055251.D
 Acq On : 25 Apr 2019 18:24
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Apr 26 04:37:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68434	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	366441	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	319147	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	162233	31.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.60%
60) 4-Bromofluorobenzene	12.40	95	142682	28.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.03%
63) Toluene-d8	10.09	98	459886	30.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	73842	18.799	ug/l 100
3) Chloromethane	2.06	50	101746	18.933	ug/l 100
4) Vinyl Chloride	2.19	62	85261	18.488	ug/l 100
5) Bromomethane	2.56	94	47752	17.938	ug/l 100
6) Chloroethane	2.70	64	46898	18.192	ug/l 100
7) Trichlorofluoromethane	3.02	101	123873	20.583	ug/l 100
8) Diethyl Ether	3.41	74	48603	23.934	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79373	23.311	ug/l 100
10) 1,1-Dichloroethene	3.73	96	73330	23.218	ug/l 100
11) Methyl Iodide	3.95	142	112578	23.308	ug/l 100
12) Methyl Acetate	4.33	43	108471	26.486	ug/l 100
13) Acrolein	3.61	56	22035	71.447	ug/l 100
14) Acrylonitrile	4.99	53	195389	119.988	ug/l 100
15) Acetone	3.82	58	48588	125.084	ug/l 100
16) Carbon Disulfide	4.05	76	190738	18.736	ug/l 100
17) Allyl chloride	4.33	41	150529	20.019	ug/l 100
18) Methylene Chloride	4.55	84	92808	20.464	ug/l 100
19) trans-1,2-Dichloroethene	5.05	96	80621	20.275	ug/l 100
20) Diisopropyl ether	5.96	45	330251	21.312	ug/l 100
21) 1,1-Dichloroethane	5.85	63	170023	20.767	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	90071	19.591	ug/l 100
23) tert-Butyl Alcohol	4.79	59	36719	134.633	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	236898	22.352	ug/l 100
25) Chloroform	7.37	83	159416	20.428	ug/l 100
26) Cyclohexane	7.66	56	141635	18.995	ug/l # 100
29) 1,1-Dichloropropene	7.79	75	115798	20.129	ug/l 100
30) 2-Butanone	6.84	43	244971	122.302	ug/l 100
31) 2,2-Dichloropropane	6.82	77	111567	20.808	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	129816	21.033	ug/l 100
33) Carbon Tetrachloride	7.78	117	105301	19.906	ug/l 100
34) Benzene	8.04	78	350207	20.430	ug/l 100
35) Methacrylonitrile	7.18	41	62100	25.733	ug/l 100
36) 1,2-Dichloroethane	8.12	62	126332	21.363	ug/l 100
37) Trichloroethene	8.84	130	87919	20.241	ug/l 100
38) Methylcyclohexane	9.08	83	122104	18.640	ug/l 100
39) 1,2-Dichloropropane	9.12	63	101594	21.244	ug/l 100
40) Dibromomethane	9.21	93	59644	21.941	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	115469	20.713	ug/l	100
42) Vinyl Acetate	5.90	43	1111166	110.726	ug/l	100
43) Ethyl Acetate	6.93	43	106417	25.380	ug/l	100
44) Isopropyl Acetate	8.17	43	184682	25.611	ug/l	100
45) 1,4-Dioxane	9.20	88	19903	510.811	ug/l	100
46) Methyl methacrylate	9.20	41	85937	23.589	ug/l	100
47) n-amyl Acetate	12.07	43	119879	23.195	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	109703	20.936	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	130404	20.531	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	80547	21.758	ug/l	100
51) Ethyl methacrylate	10.43	69	100850	22.229	ug/l	100
52) 1,3-Dichloropropane	10.71	76	139725	21.592	ug/l	100
53) Dibromochloromethane	10.90	129	79308	20.801	ug/l	100
54) 1,2-Dibromoethane	11.01	107	74921	21.390	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	149054	85.149	ug/l	100
56) Bromoform	12.13	173	51924	21.272	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	505568	126.378	ug/l	100
59) 2-Hexanone	10.75	43	322912	127.910	ug/l	100
61) Tetrachloroethene	10.63	164	87997	21.004	ug/l	100
62) Toluene	10.16	91	365280	20.549	ug/l	100
64) Chlorobenzene	11.43	112	214268	20.082	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	78987	20.526	ug/l	100
66) Ethyl Benzene	11.51	91	379804	19.996	ug/l	100
67) m/p-Xylenes	11.62	106	285185	40.473	ug/l	100
68) o-Xylene	11.95	106	145031	20.674	ug/l	100
69) Styrene	11.96	104	211792	19.594	ug/l	100
70) Isopropylbenzene	12.25	105	378016	20.298	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	102158	23.056	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	120748	33.045	ug/l	61
73) Bromobenzene	12.53	156	87010	19.793	ug/l	100
74) n-propylbenzene	12.59	91	413618	19.938	ug/l	100
75) 2-Chlorotoluene	12.67	91	255991	20.357	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	304949	20.307	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20570	21.802	ug/l	100
78) 4-Chlorotoluene	12.77	91	239473	19.964	ug/l	100
79) tert-butylbenzene	12.99	119	265672	20.397	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	297964	20.114	ug/l	100
81) sec-Butylbenzene	13.17	105	348613	20.127	ug/l	100
82) p-Isopropyltoluene	13.29	119	284485	19.575	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	137121	18.823	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	128162	18.507	ug/l	100
85) n-Butylbenzene	13.61	91	198532	17.347	ug/l	100
86) Hexachloroethane	13.87	117	46512	19.684	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	140002	19.511	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13785	23.137	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	45229	14.438	ug/l	100
90) Hexachlorobutadiene	15.01	225	47256	20.320	ug/l	100
91) Naphthalene	15.13	128	98315	14.707	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	49920	15.830	ug/l	100

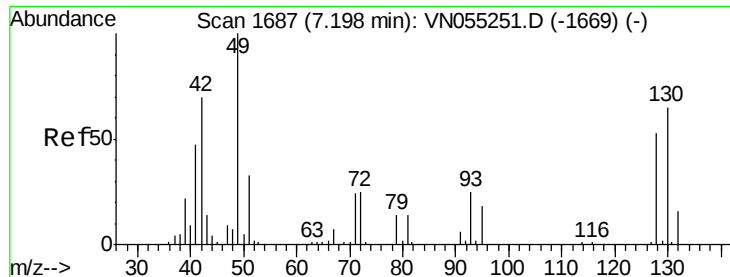
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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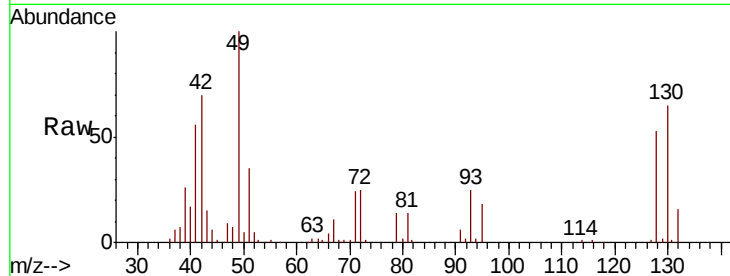
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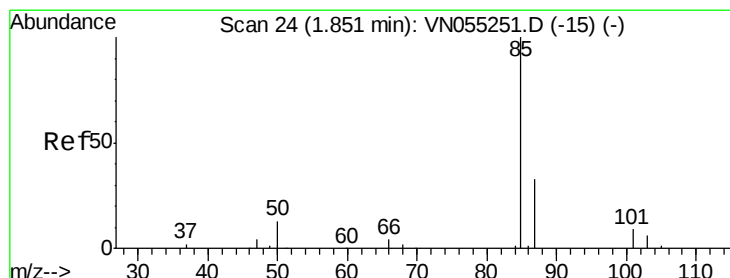
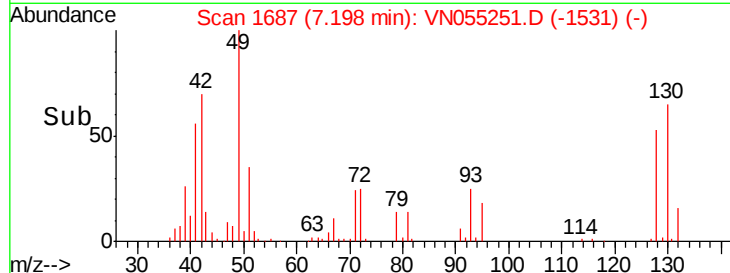
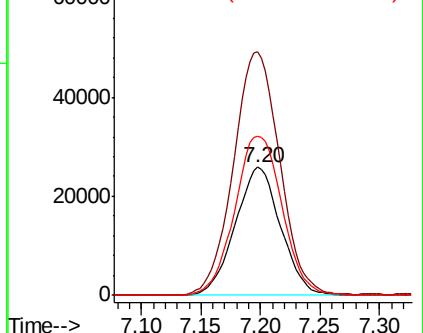
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:128 Resp: 68434
Ion Ratio Lower Upper
128 100
49 194.0 0.0 485.0
130 129.9 0.0 324.7

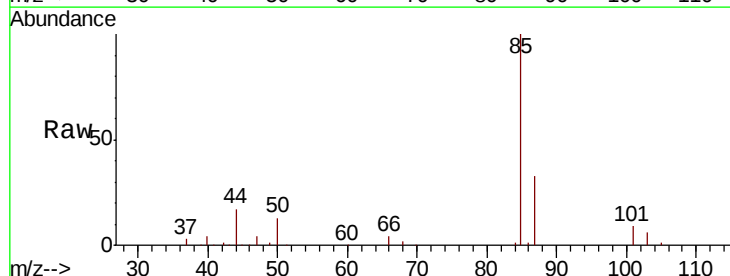


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

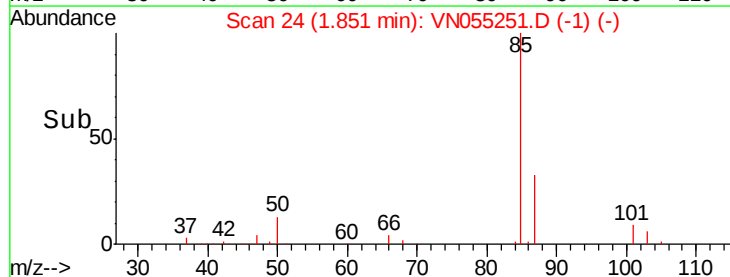
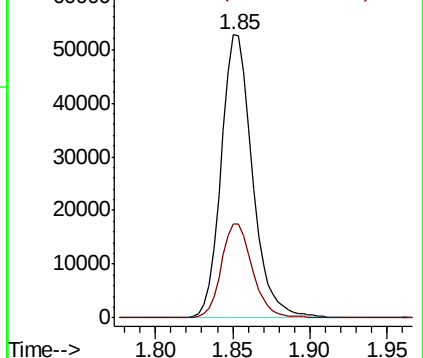


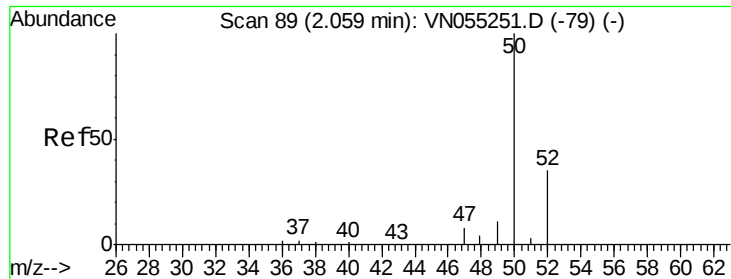
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Dichlorodifluoromethane
Concen: 18.799 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 85 Resp: 73842
Ion Ratio Lower Upper
85 100
87 33.1 16.6 49.7



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





#3

Chloromethane

Concen: 18.933 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

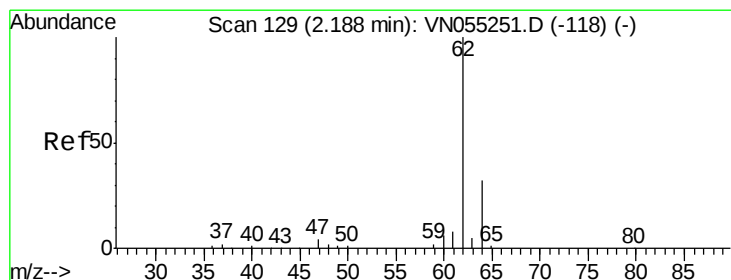
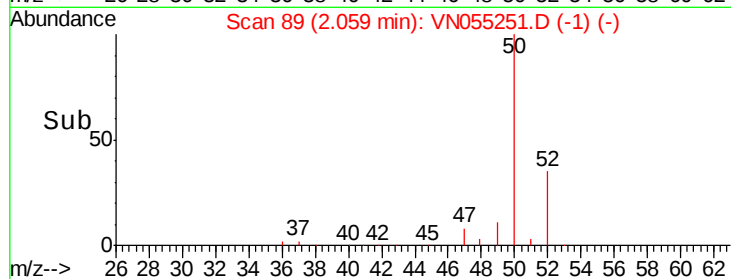
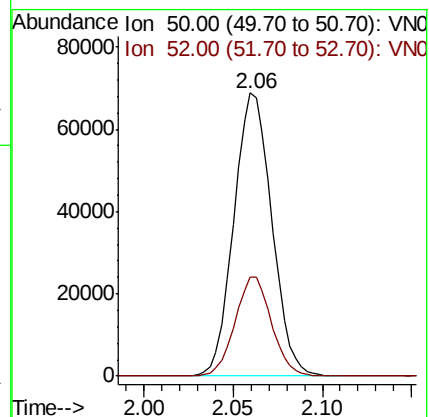
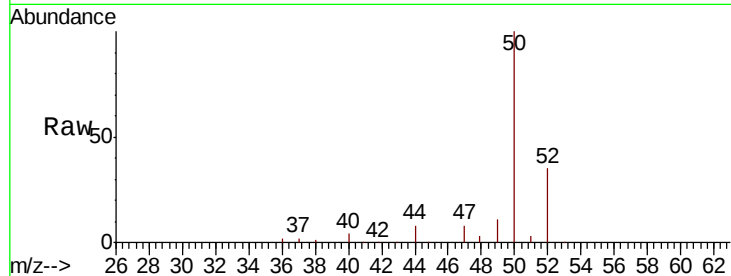
VSTDICCC020

Tot Ion: 50 Resp: 101746

Ion Ratio Lower Upper

50 100

52 34.9 27.9 41.9



#4

Vinyl Chloride

Concen: 18.488 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055251.D

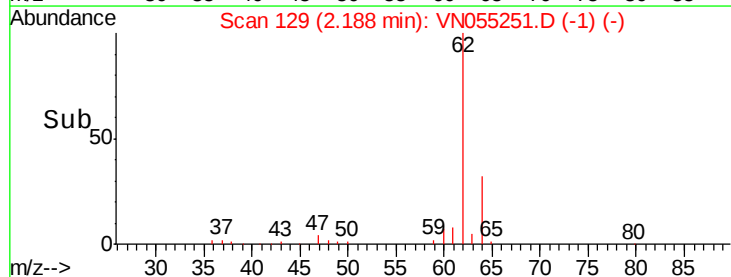
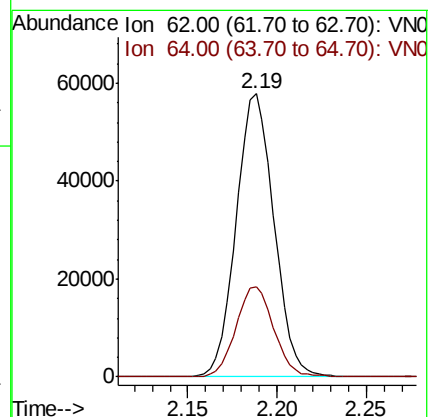
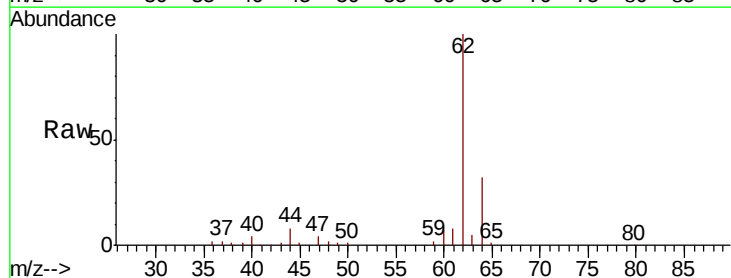
Acq: 25 Apr 2019 18:24

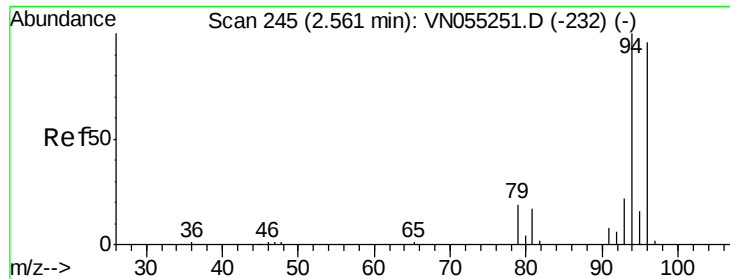
Tgt Ion: 62 Resp: 85261

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4

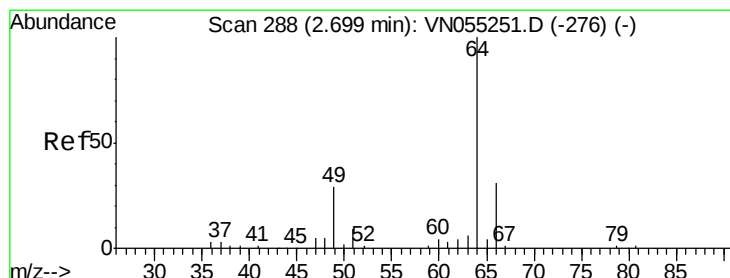
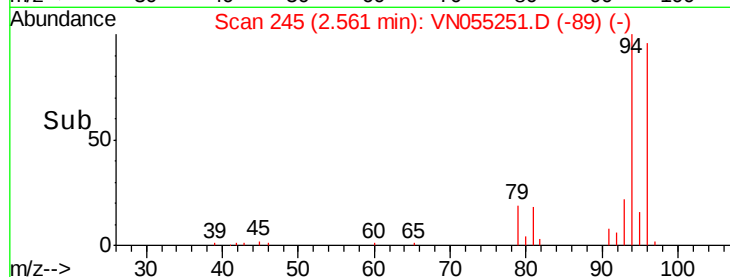
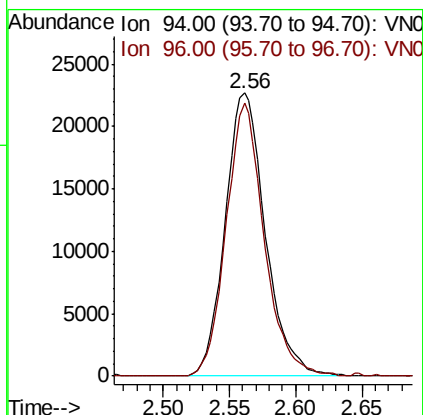
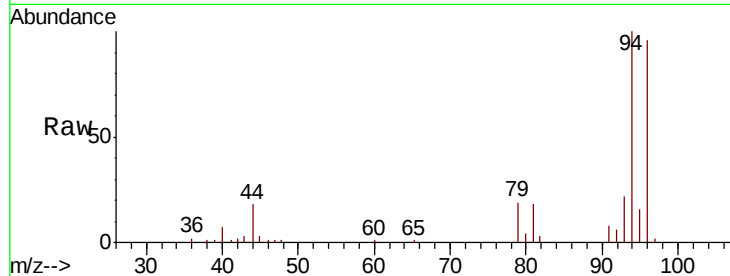




#5
Bromomethane
Concen: 17.938 ug/l
RT: 2.56 min Scan# 245
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

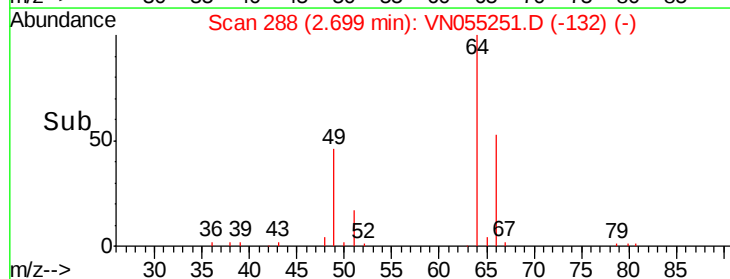
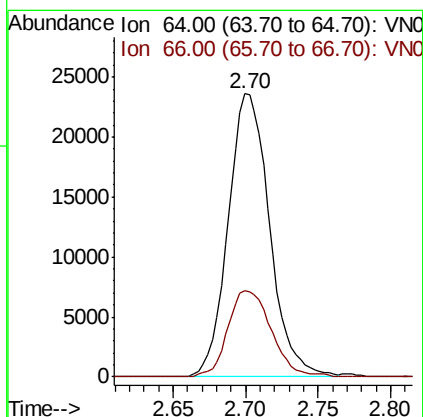
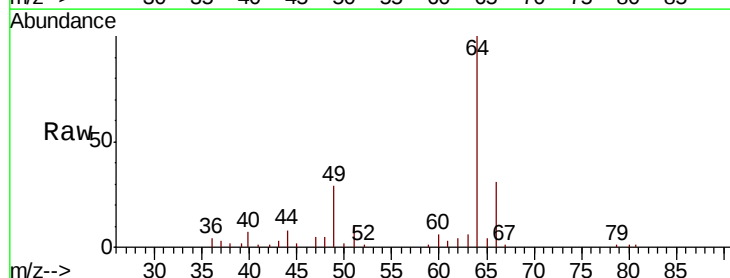
Instrument :
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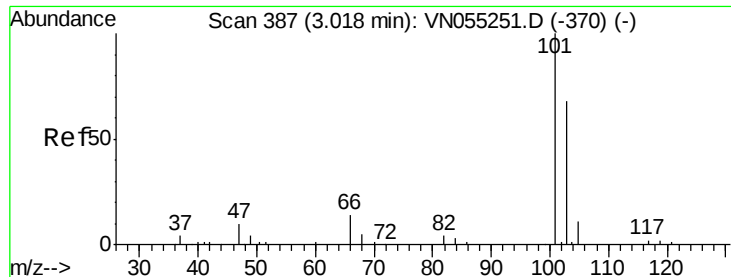
Tot Ion: 94 Resp: 47752
Ion Ratio Lower Upper
94 100
96 96.3 77.0 115.6



#6
Chloroethane
Concen: 18.192 ug/l
RT: 2.70 min Scan# 288
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 64 Resp: 46898
Ion Ratio Lower Upper
64 100
66 30.7 24.6 36.8



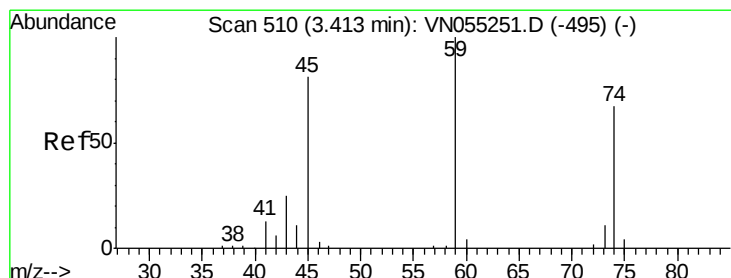
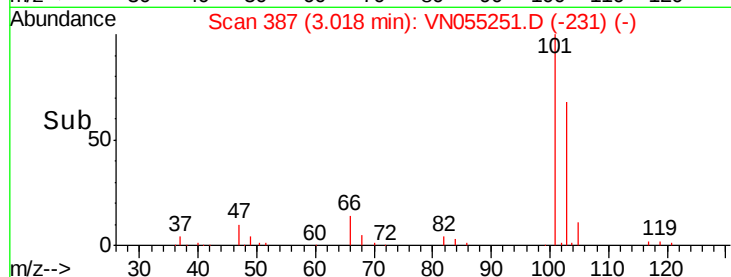
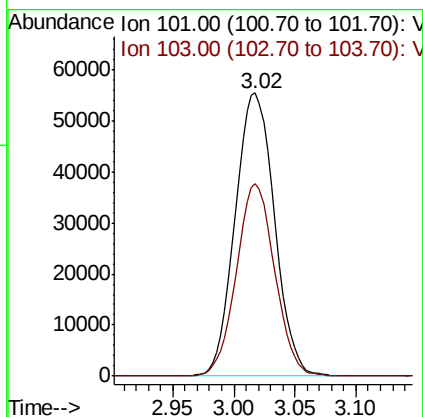
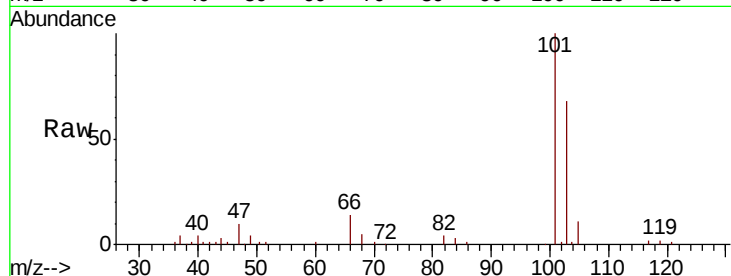


#7

Trichlorofluoromethane
 Concen: 20.583 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055251.D
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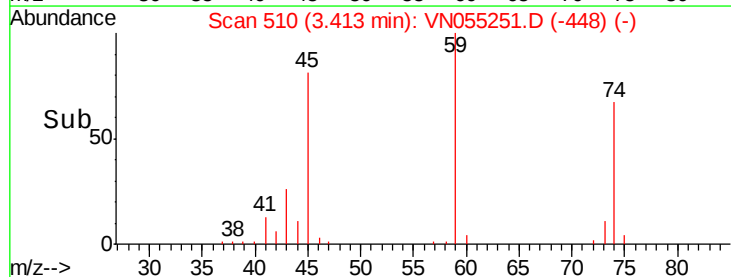
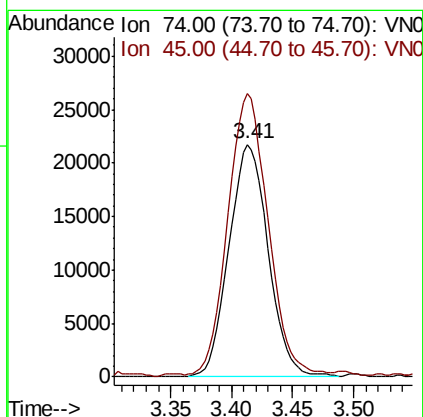
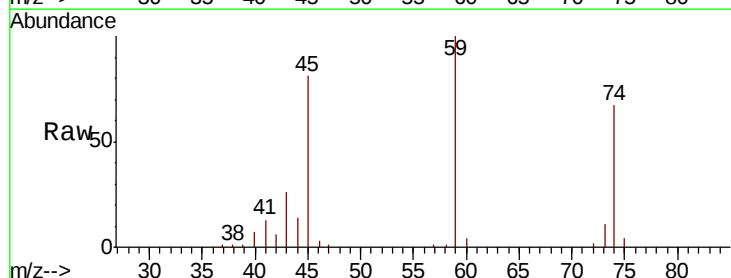
Tot Ion:101 Resp: 123873
 Ion Ratio Lower Upper
 101 100
 103 68.2 54.6 81.8

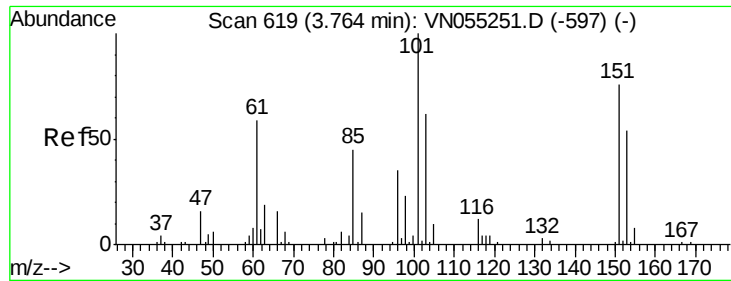


#8

Diethyl Ether
 Concen: 23.934 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 74 Resp: 48603
 Ion Ratio Lower Upper
 74 100
 45 125.4 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.311 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

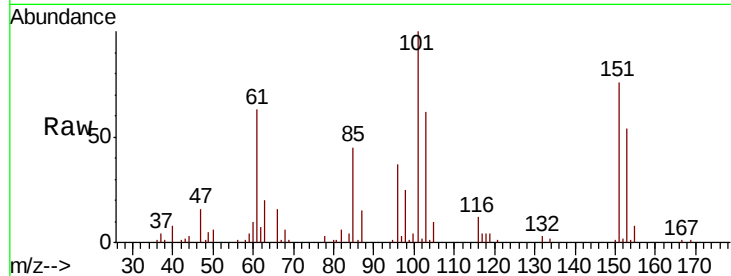
Tot Ion:101 Resp: 79373

Ion Ratio Lower Upper

101 100

85 44.5 0.0 89.0

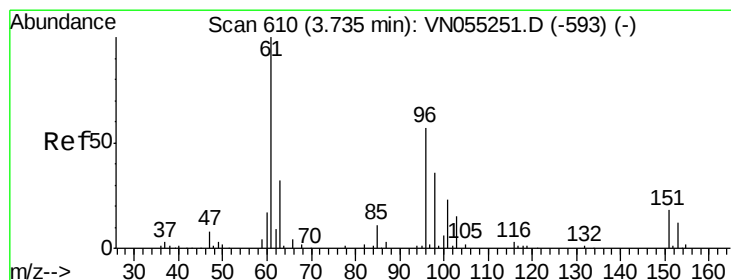
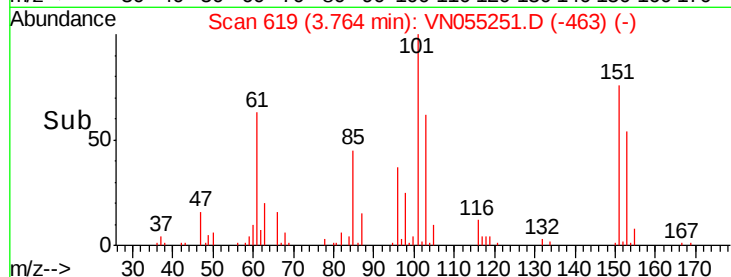
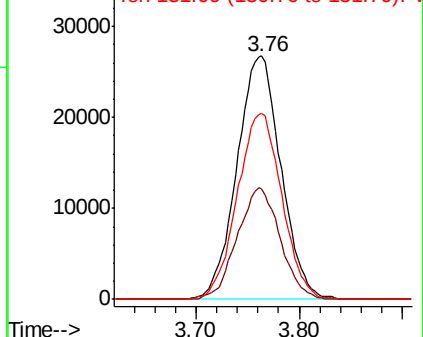
151 77.2 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 23.218 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN055251.D

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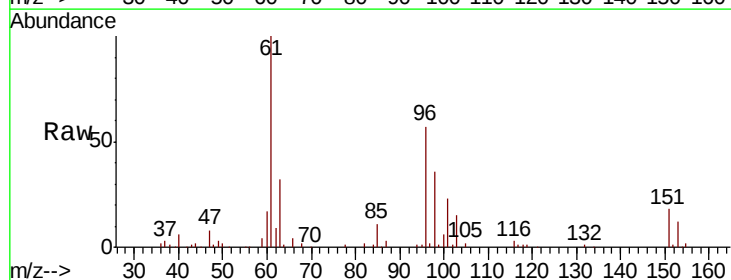
Tgt Ion: 96 Resp: 73330

Ion Ratio Lower Upper

96 100

61 174.9 139.9 209.9

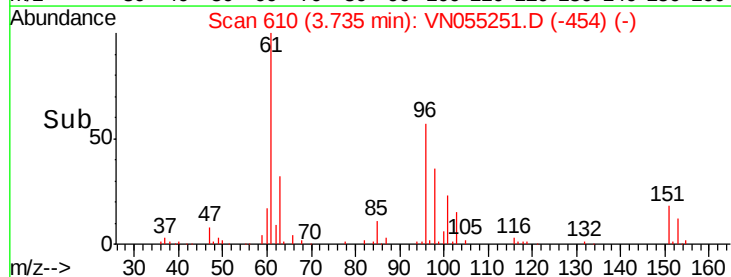
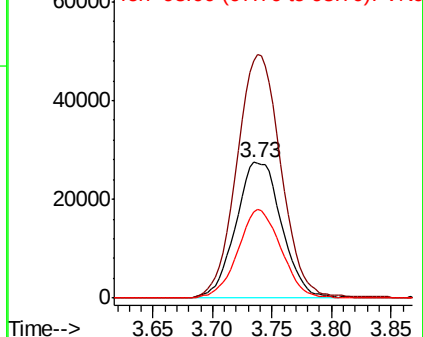
98 63.5 50.8 76.2

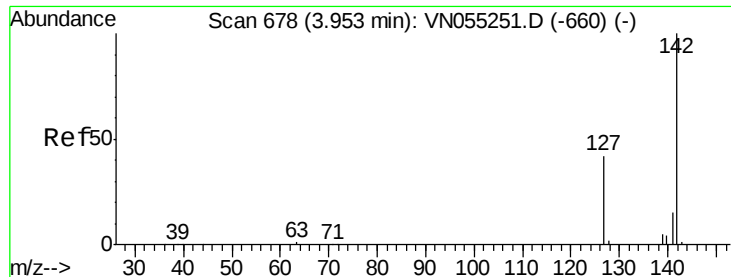


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

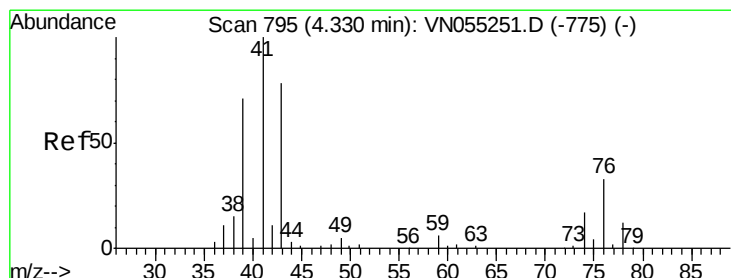
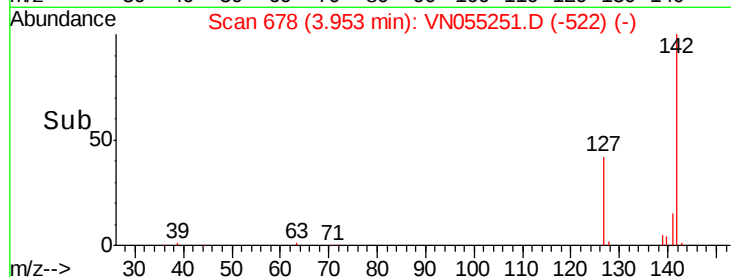
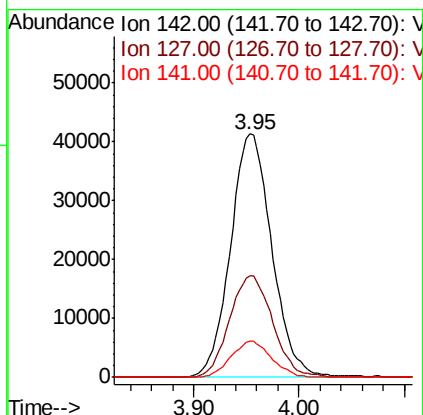
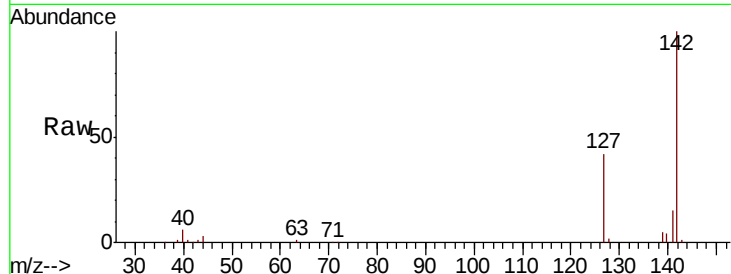




#11
Methyl Iodide
Concen: 23.308 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

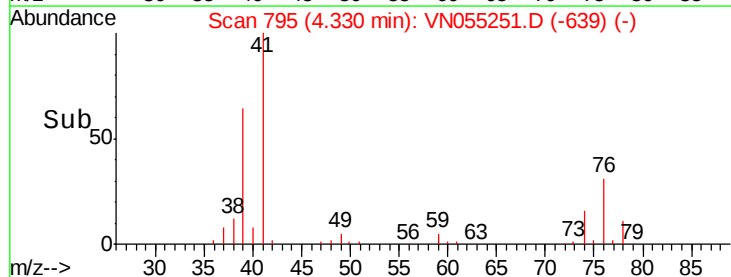
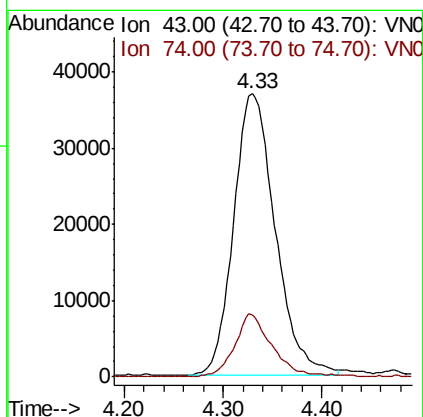
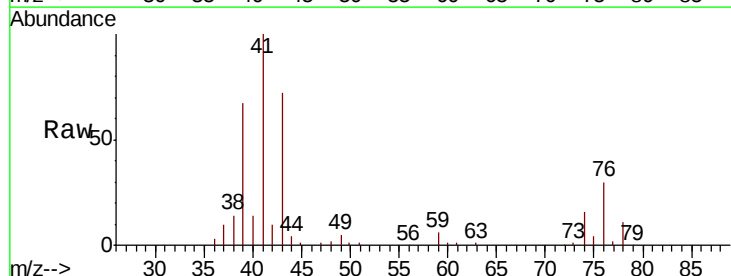
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

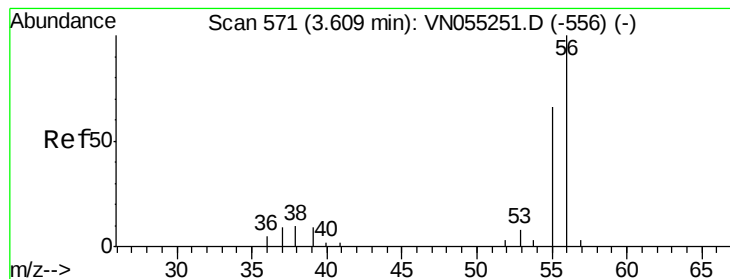
Tot Ion:142 Resp: 112578
Ion Ratio Lower Upper
142 100
127 41.8 20.9 62.7
141 15.2 7.6 22.8



#12
Methyl Acetate
Concen: 26.486 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 43 Resp: 108471
Ion Ratio Lower Upper
43 100
74 22.1 17.7 26.5





#13

Acrolein

Concen: 71.447 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

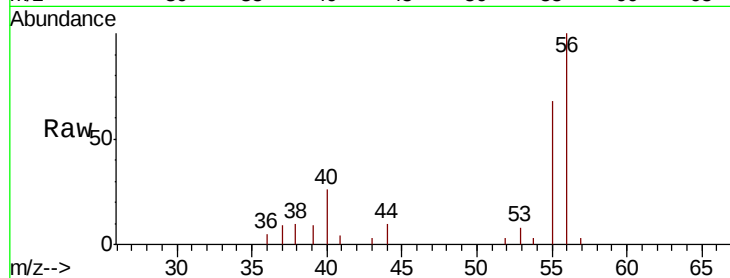
VSTDICCC020

Tot Ion: 56 Resp: 22035

Ion Ratio Lower Upper

56 100

55 68.6 54.9 82.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

10000

8000

6000

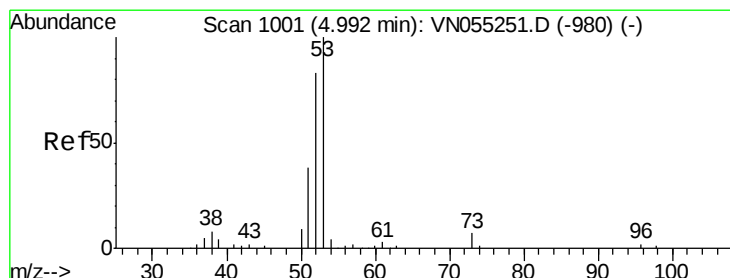
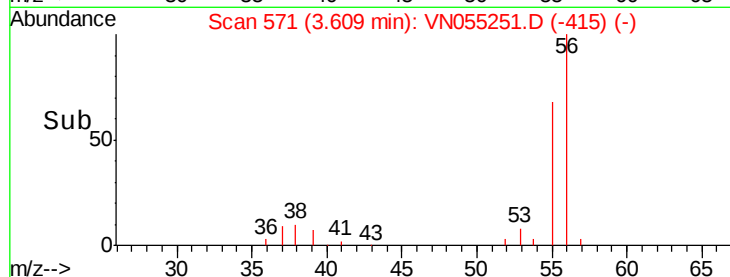
4000

2000

0

Time-->

3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 119.988 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

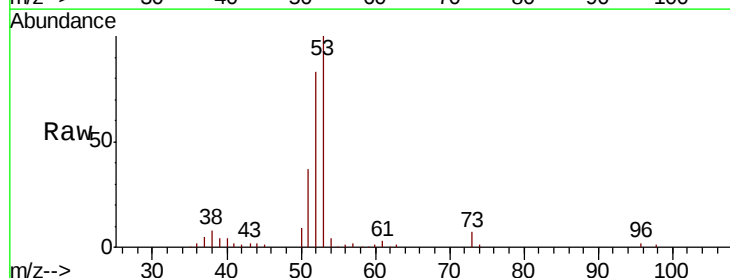
Tgt Ion: 53 Resp: 195389

Ion Ratio Lower Upper

53 100

52 82.1 41.0 123.2

51 36.3 18.1 54.4



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

4.99

60000

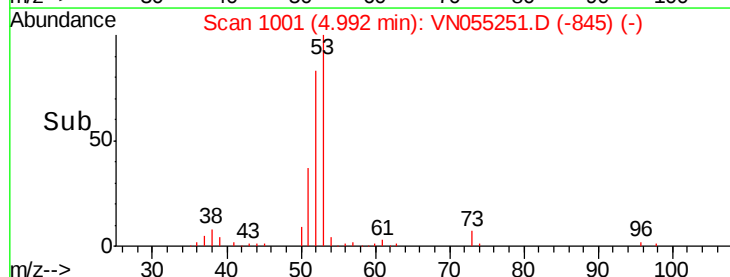
40000

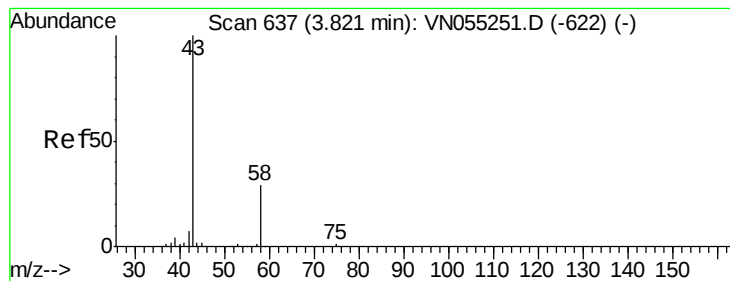
20000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 125.084 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

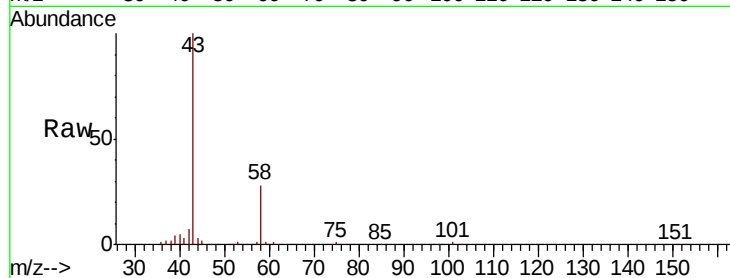
VSTDICCC020

Tot Ion: 58 Resp: 48588

Ion Ratio Lower Upper

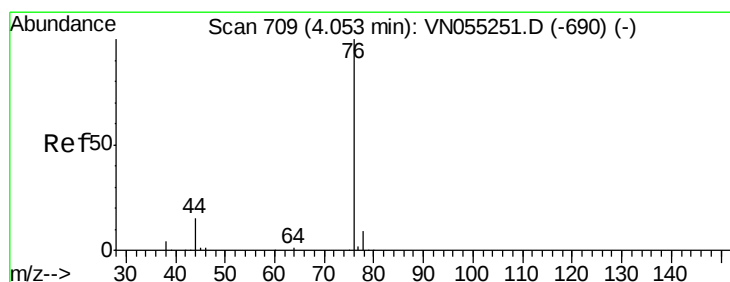
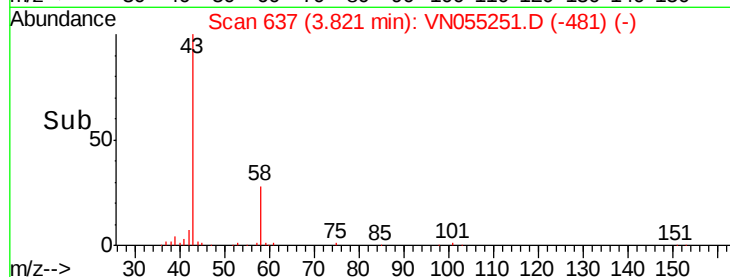
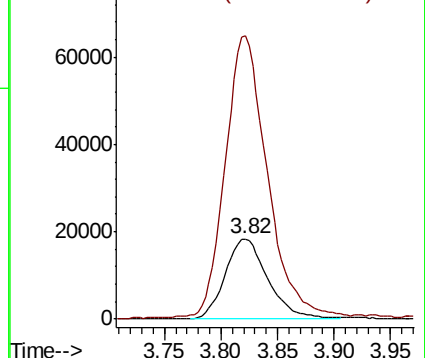
58 100

43 347.7 278.2 417.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.736 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055251.D

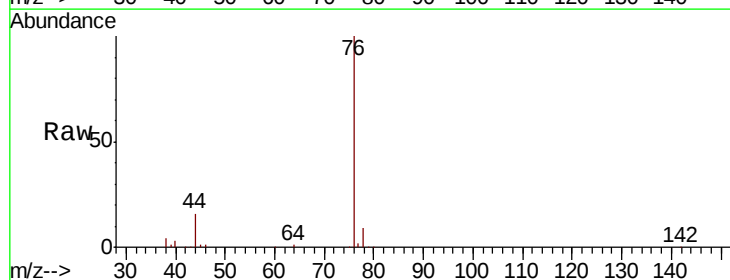
Acq: 25 Apr 2019 18:24

Tgt Ion: 76 Resp: 190738

Ion Ratio Lower Upper

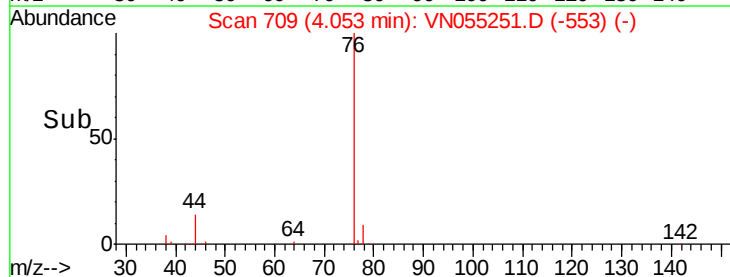
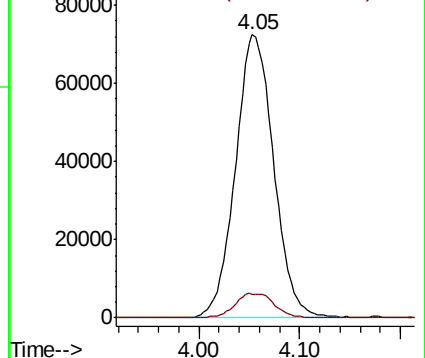
76 100

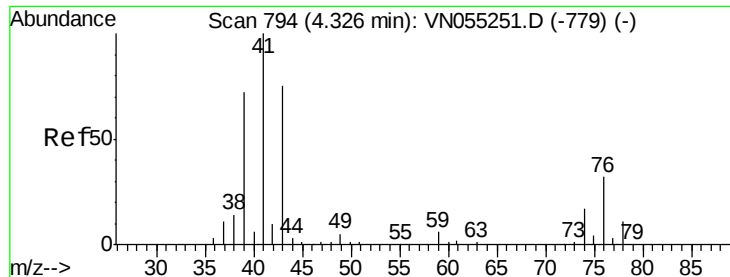
78 8.5 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

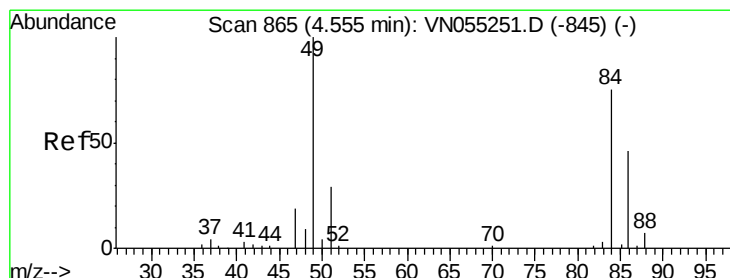
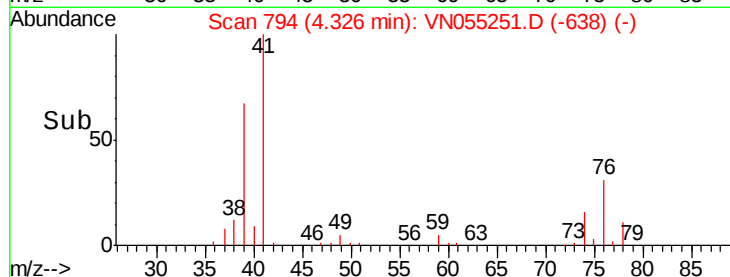
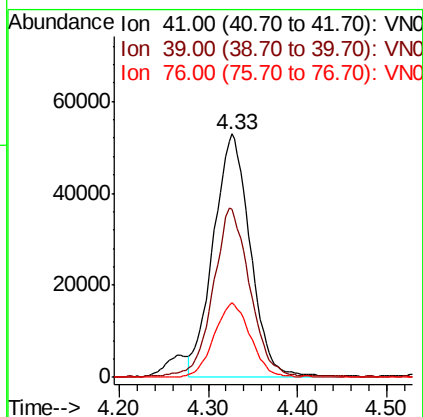
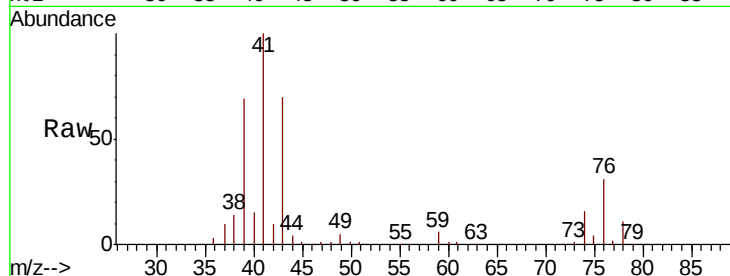




#17
Allvl chloride
Concen: 20.019 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

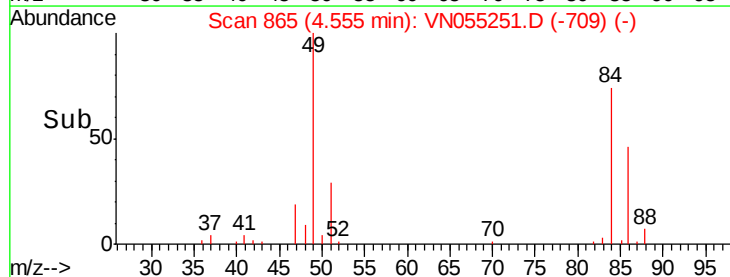
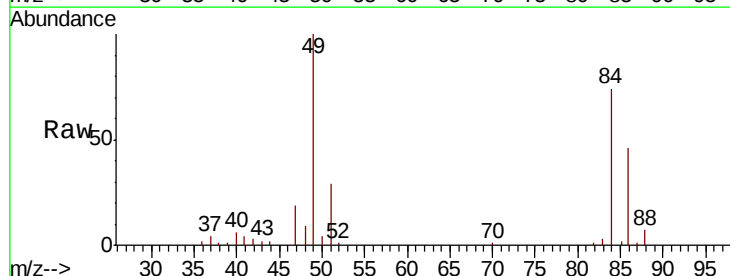
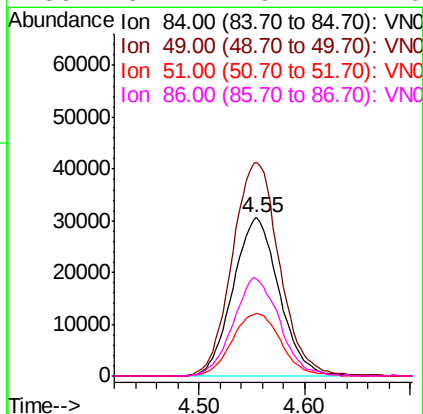
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

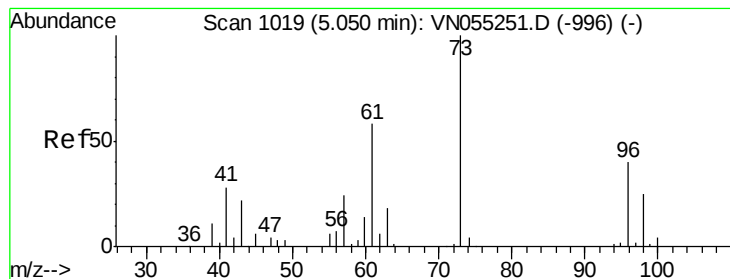
Tot Ion: 41 Resp: 150529
Ion Ratio Lower Upper
41 100
39 68.8 34.4 103.2
76 30.6 15.3 45.9



#18
Methylene Chloride
Concen: 20.464 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 84 Resp: 92808
Ion Ratio Lower Upper
84 100
49 134.0 107.2 160.8
51 39.3 31.4 47.2
86 61.7 49.4 74.0





#19

trans-1,2-Dichloroethene

Concen: 20.275 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

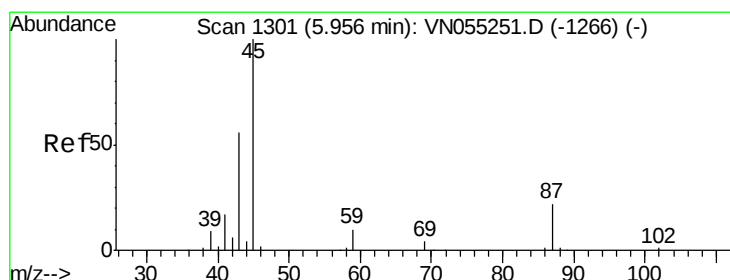
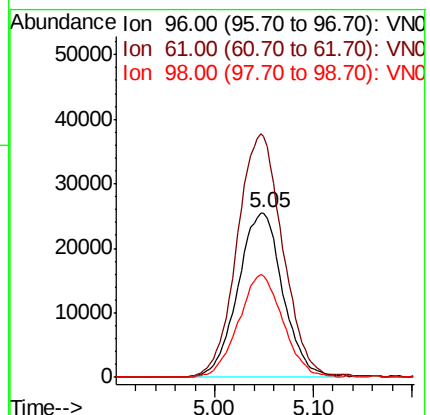
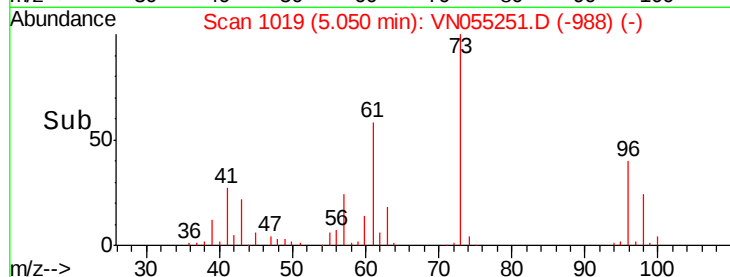
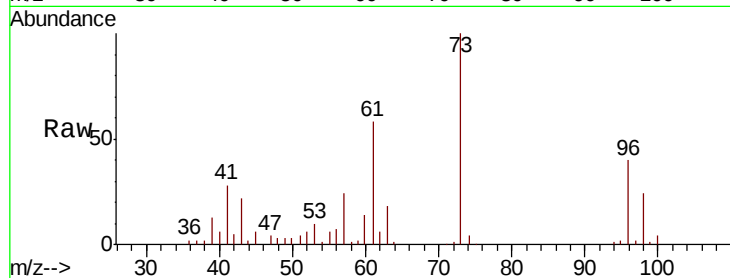
Tot Ion: 96 Resp: 80621

Ion Ratio Lower Upper

96 100

61 145.4 116.3 174.5

98 61.8 49.4 74.2



#20

Diisopropyl ether

Concen: 21.312 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Tgt Ion: 45 Resp: 330251

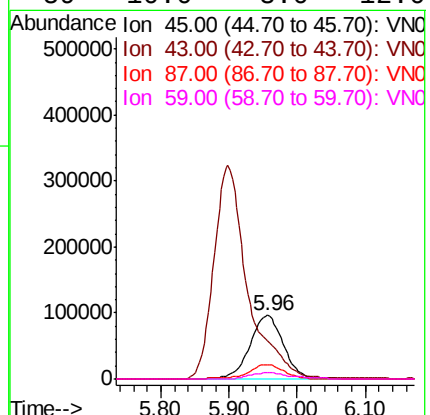
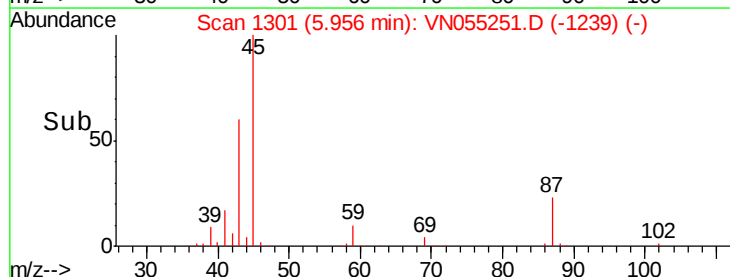
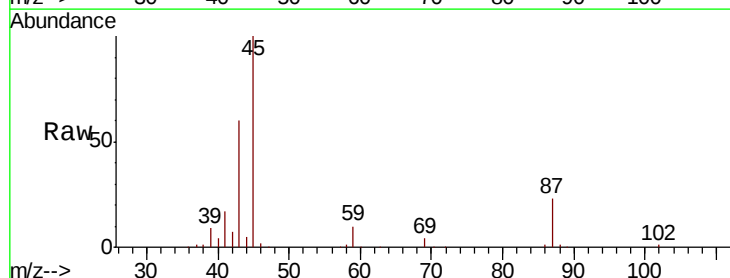
Ion Ratio Lower Upper

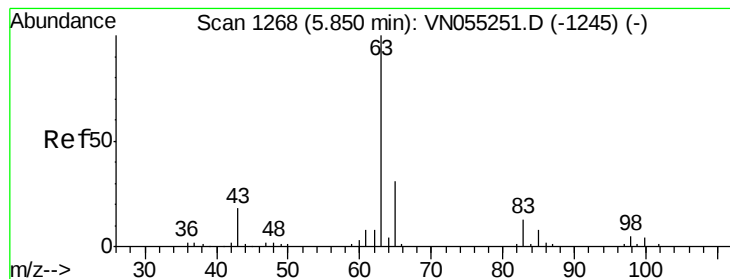
45 100

43 57.6 46.1 69.1

87 22.9 18.3 27.5

59 10.0 8.0 12.0





#21

1,1-Dichloroethane

Concen: 20.767 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

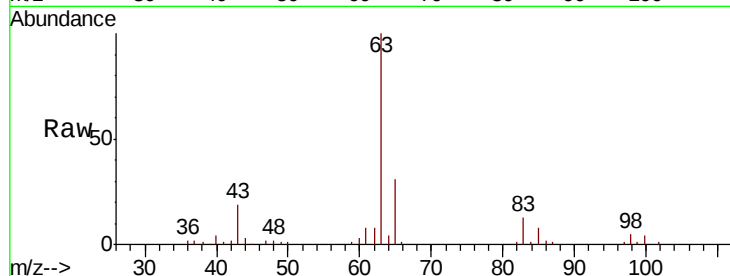
Tot Ion: 63 Resp: 170023

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

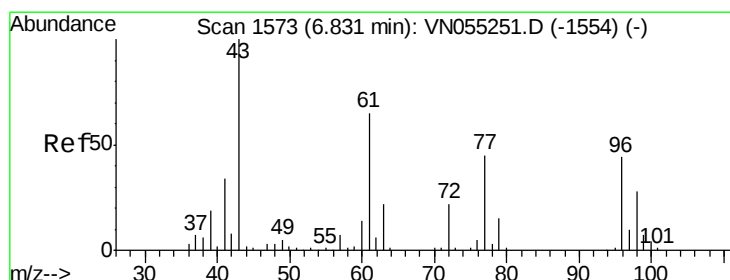
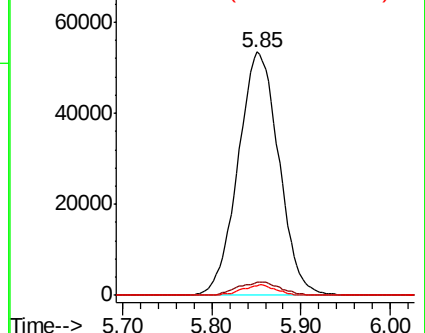
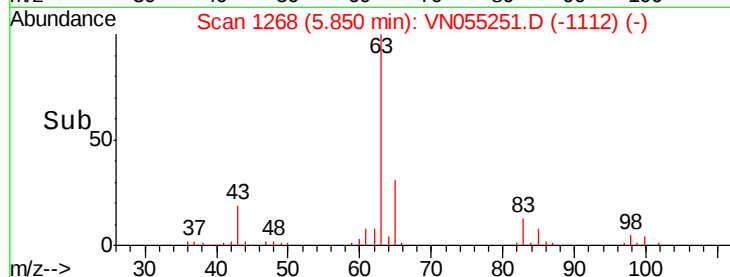
100 3.9 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 19.591 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

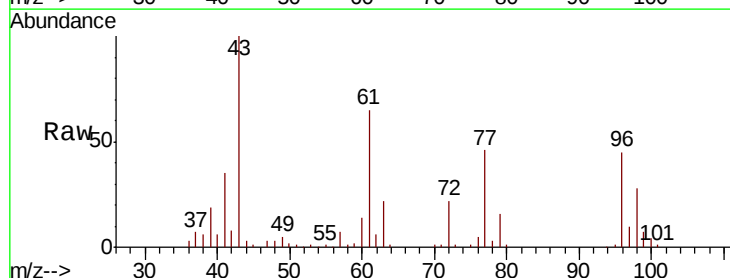
Tgt Ion: 96 Resp: 90071

Ion Ratio Lower Upper

96 100

61 161.4 129.1 193.7

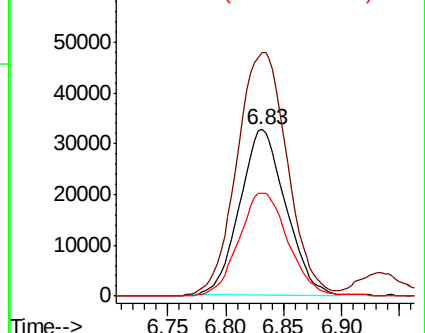
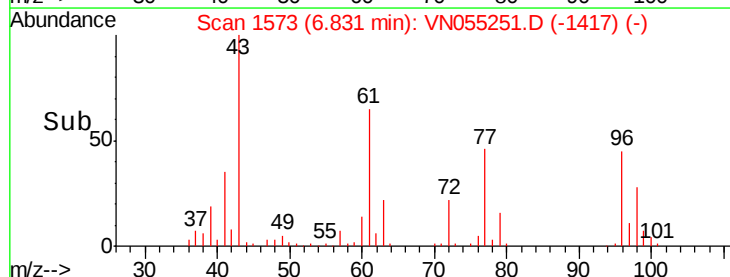
98 66.5 53.2 79.8

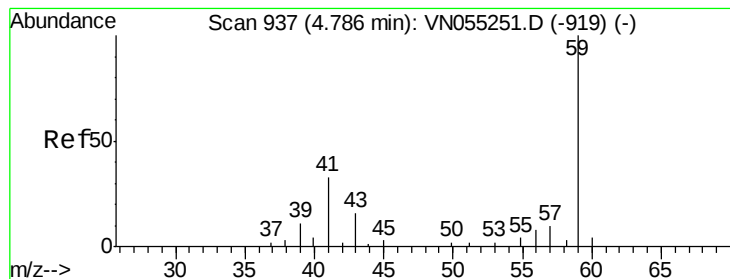


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



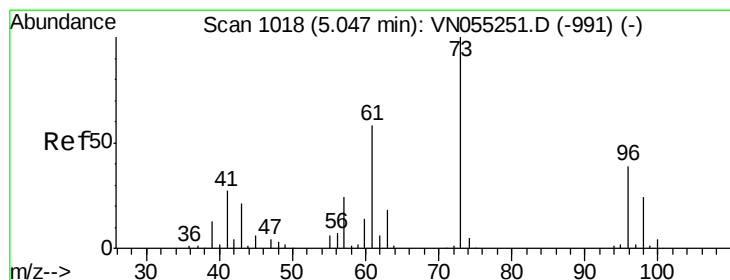
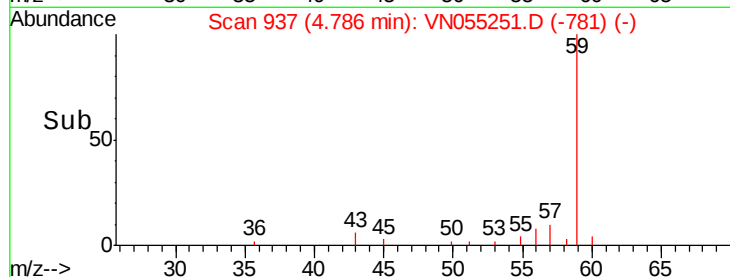
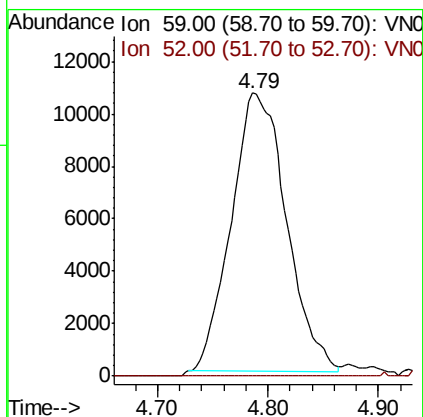
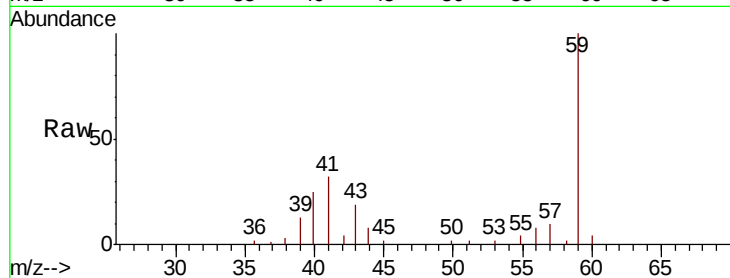


#23

tert-Butyl Alcohol
 Concen: 134.633 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

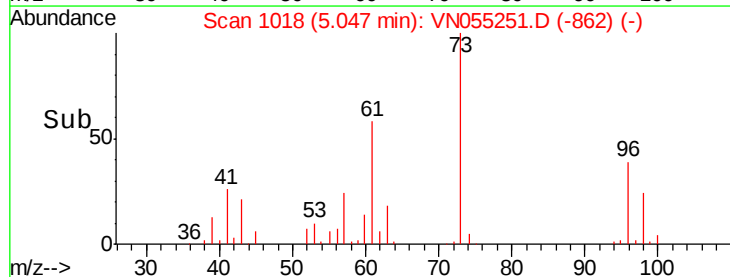
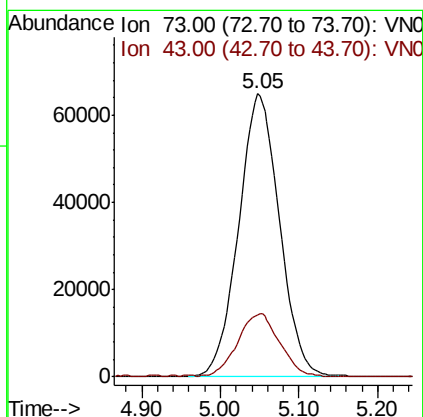
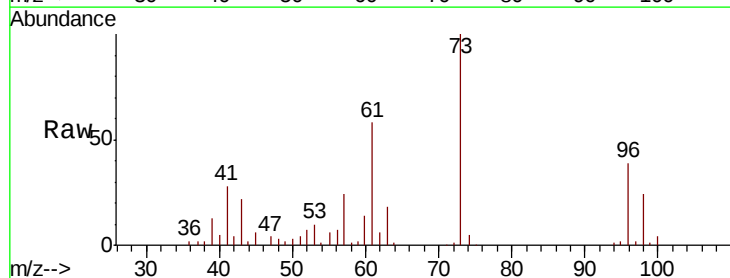
Tot Ion: 59 Resp: 36719
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

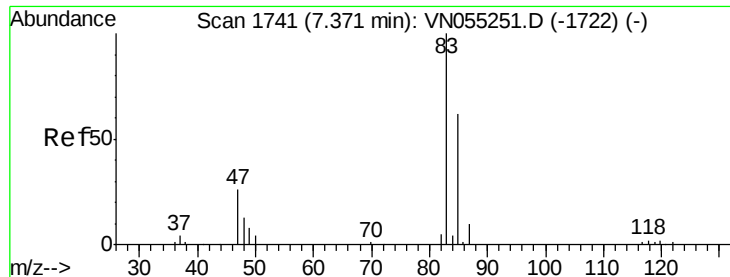


#24

Methyl tert-Butyl Ether
 Concen: 22.352 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 73 Resp: 236898
 Ion Ratio Lower Upper
 73 100
 43 22.4 17.9 26.9

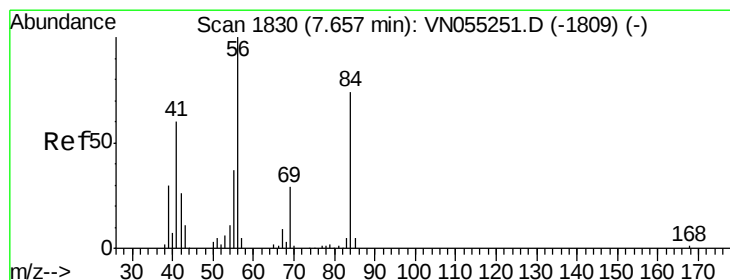
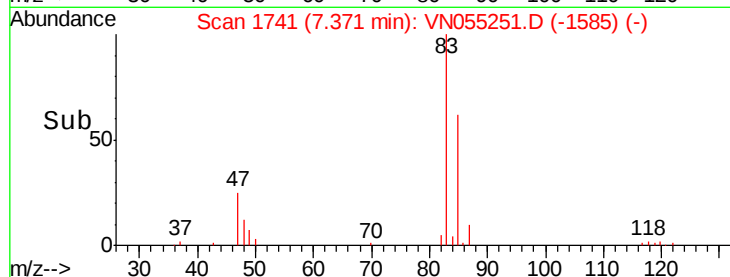
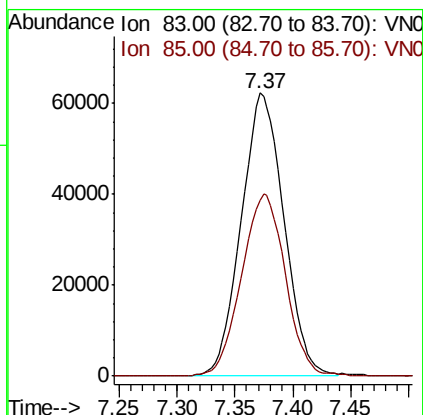
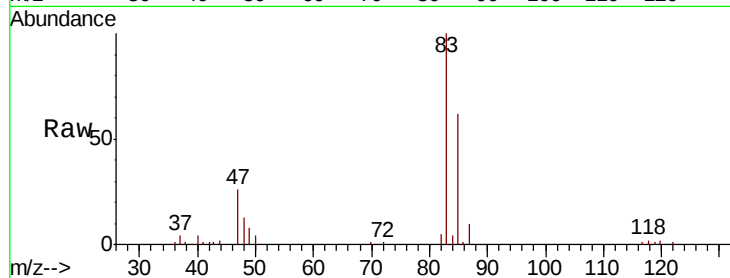




#25
Chloroform
Concen: 20.428 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

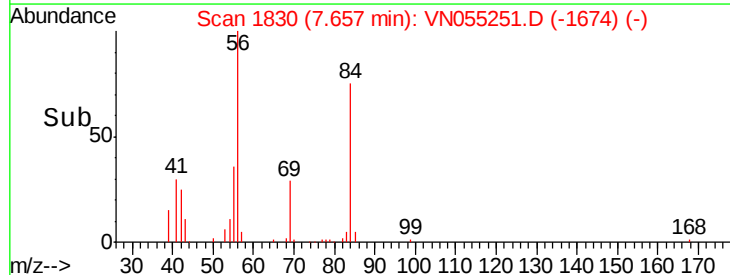
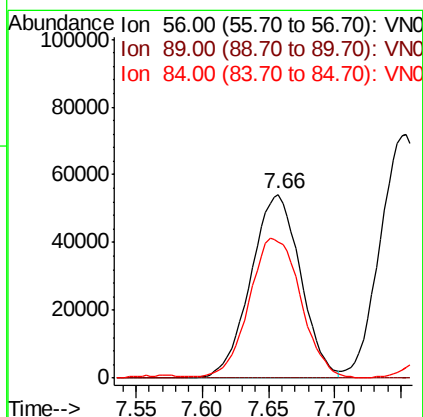
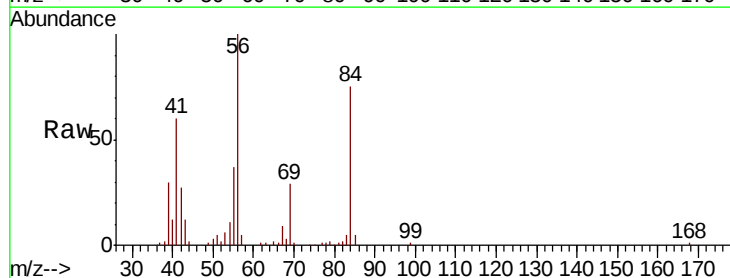
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

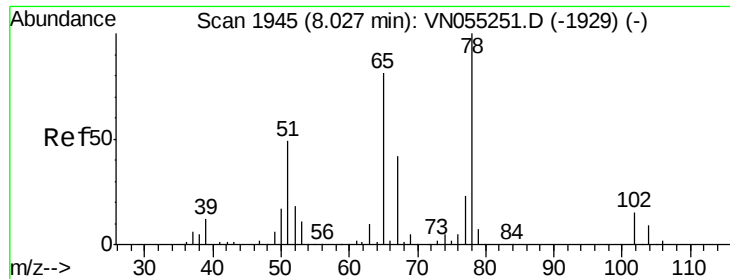
Tot Ion: 83 Resp: 159416
Ion Ratio Lower Upper
83 100
85 62.1 49.7 74.5



#26
Cyclohexane
Concen: 18.995 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 56 Resp: 141635
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 79.4 63.5 95.3





#27

1,2-Dichloroethane-d4

Concen: 18.995 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

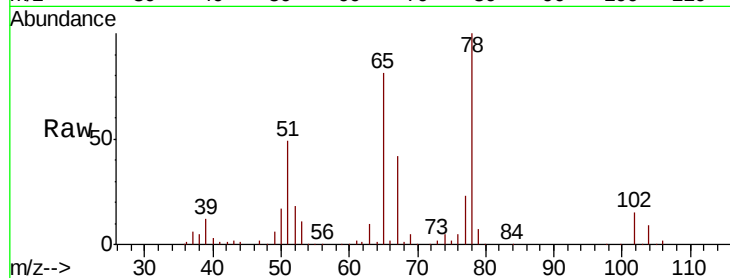
VSTDICCC020

Tot Ion: 65 Resp: 162233

Ion Ratio Lower Upper

65 100

67 52.4 41.9 62.9



Abundance Ion 65.00 (64.70 to 65.70): VN055251.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN055251.D (-1929) (-)

8.03

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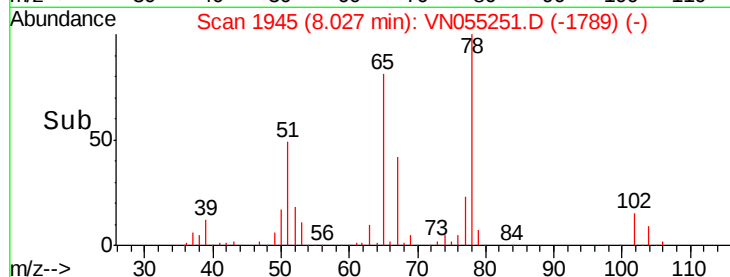
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Abundance Ion 65.00 (64.70 to 65.70): VN055251.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN055251.D (-1789) (-)

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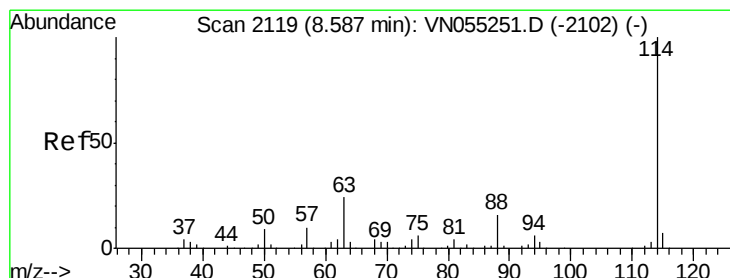
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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

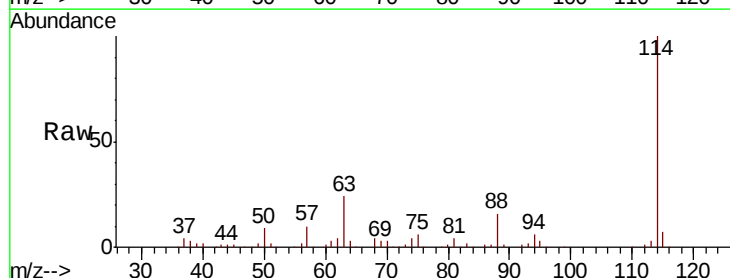
Tgt Ion: 114 Resp: 366441

Ion Ratio Lower Upper

114 100

63 22.7 18.2 27.2

88 15.7 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN055251.D (-2102) (-)

Ion 63.00 (62.70 to 63.70): VN055251.D (-2102) (-)

Ion 88.00 (87.70 to 88.70): VN055251.D (-2102) (-)

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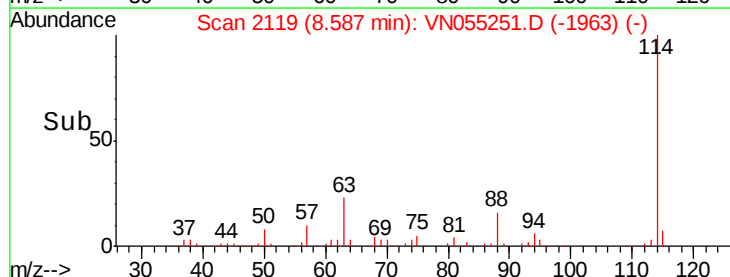
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Abundance Ion 114.00 (113.70 to 114.70): VN055251.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN055251.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN055251.D (-1963) (-)

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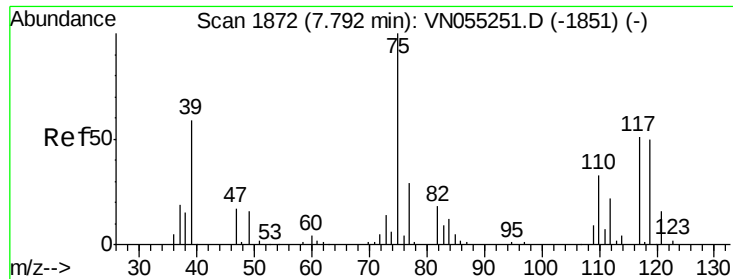
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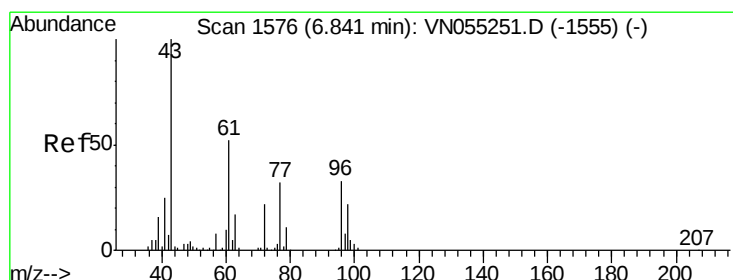
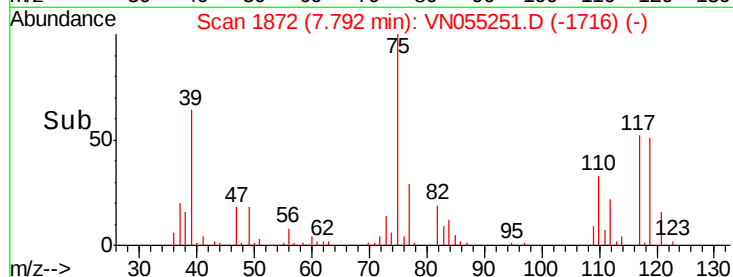
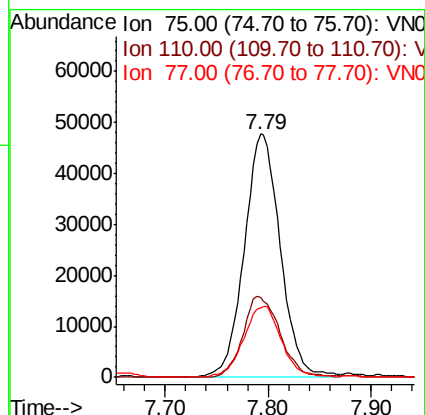
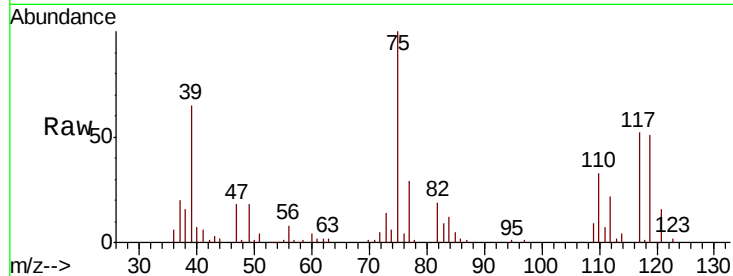
8.59



#29
 1,1-Dichloropropene
 Concen: 20.129 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

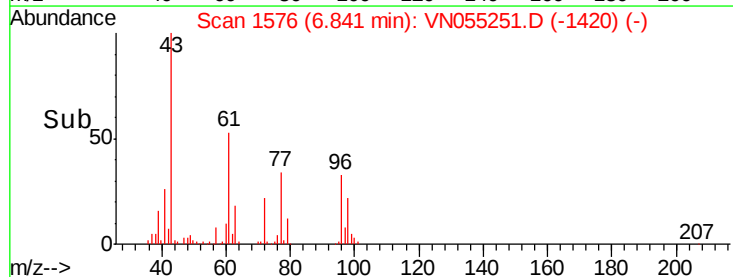
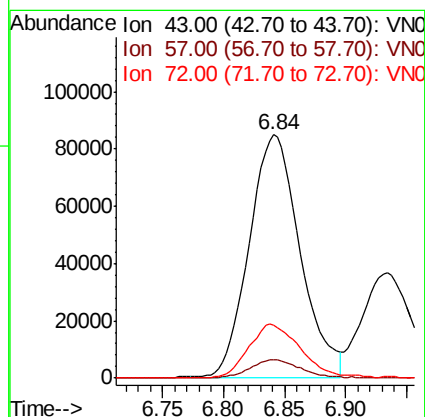
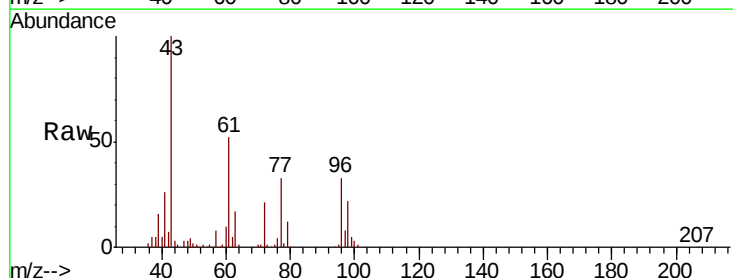
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

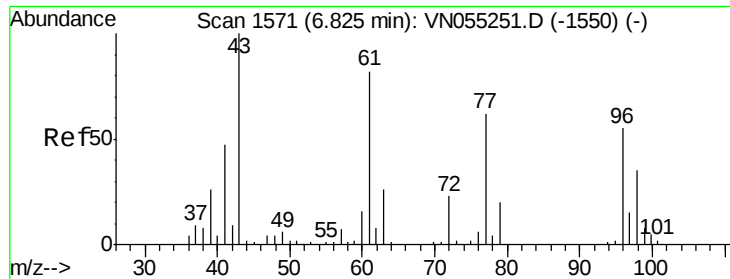
Tot Ion: 75 Resp: 115798
 Ion Ratio Lower Upper
 75 100
 110 34.3 0.0 68.6
 77 30.8 0.0 61.6



#30
 2-Butanone
 Concen: 122.302 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 43 Resp: 244971
 Ion Ratio Lower Upper
 43 100
 57 7.5 6.0 9.0
 72 22.4 17.9 26.9





#31

2,2-Dichloropropane

Concen: 20.808 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

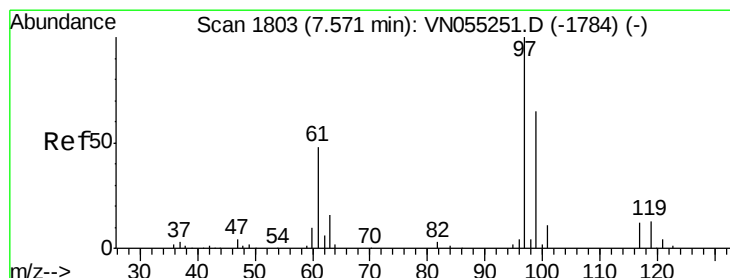
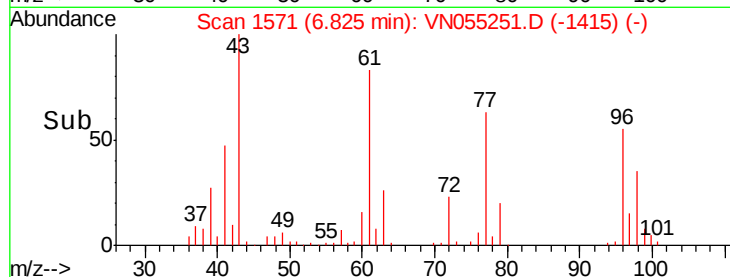
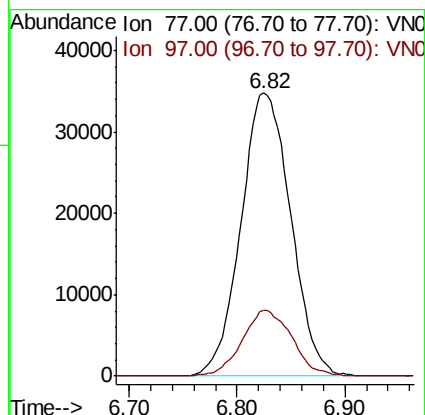
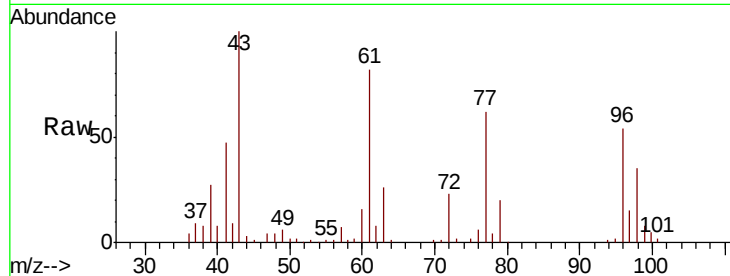
VSTDICCC020

Tot Ion: 77 Resp: 111567

Ion Ratio Lower Upper

77 100

97 23.3 18.6 28.0



#32

1,1,1-Trichloroethane

Concen: 21.033 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

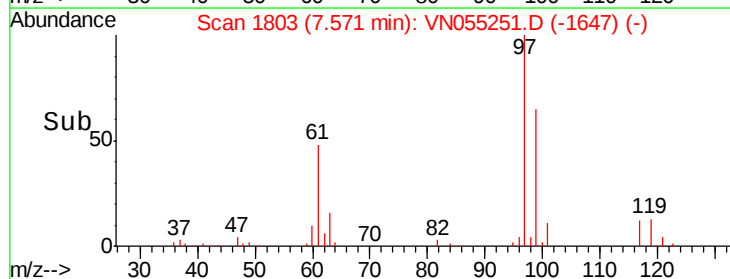
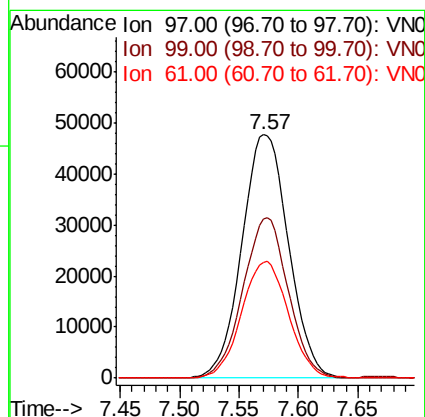
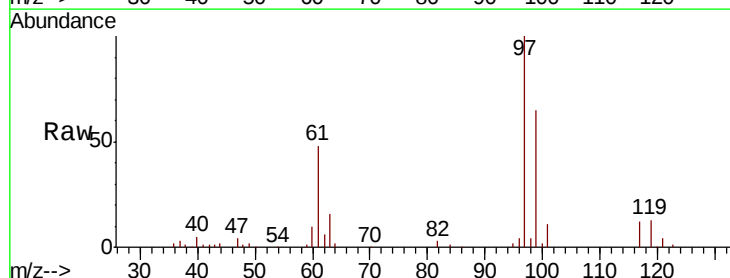
Tgt Ion: 97 Resp: 129816

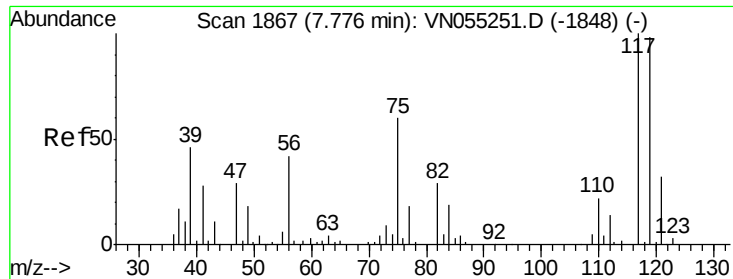
Ion Ratio Lower Upper

97 100

99 64.0 51.2 76.8

61 47.9 38.3 57.5

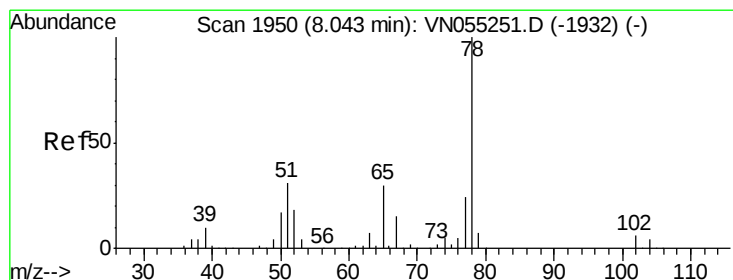
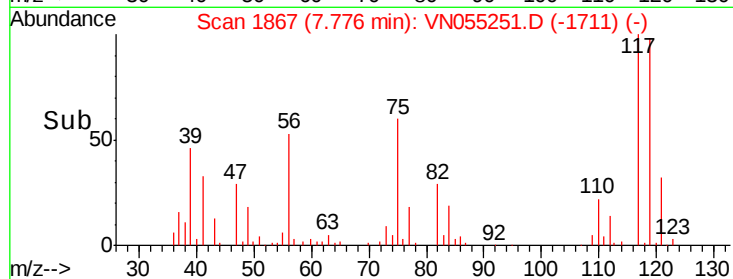
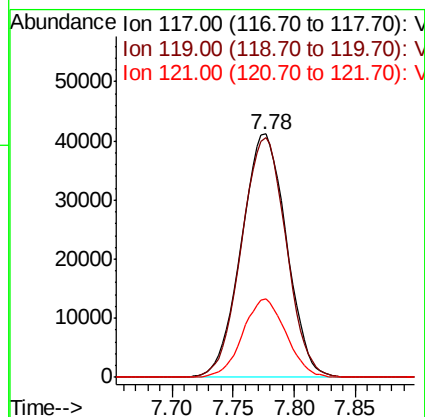
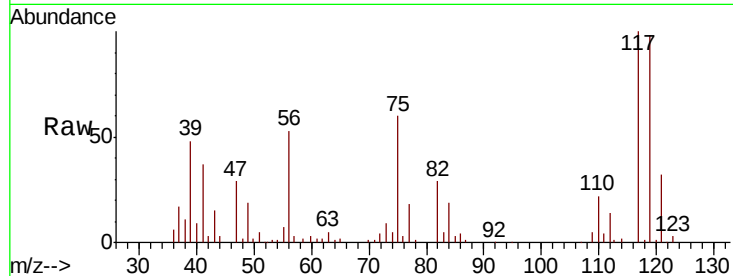




#33
Carbon Tetrachloride
Concen: 19.906 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

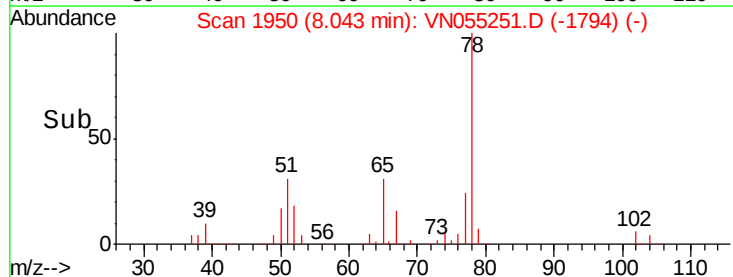
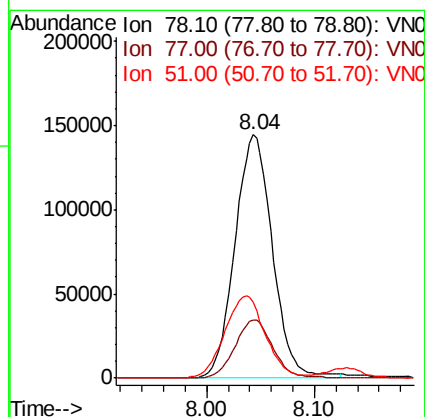
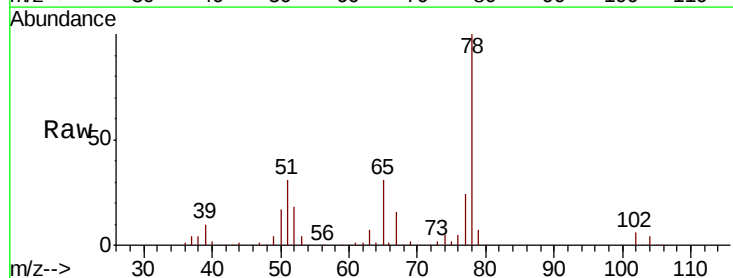
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

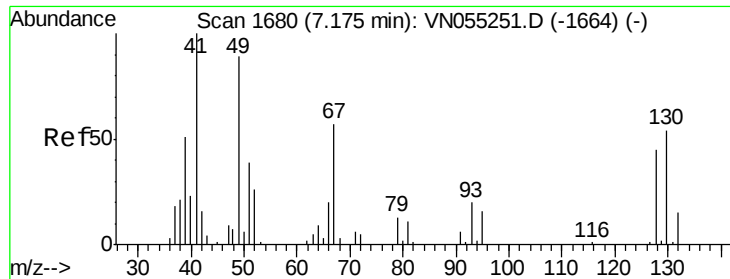
Tot Ion:117 Resp: 105301
Ion Ratio Lower Upper
117 100
119 98.4 78.7 118.1
121 32.2 25.8 38.6



#34
Benzene
Concen: 20.430 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 78 Resp: 350207
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7
51 30.6 24.5 36.7

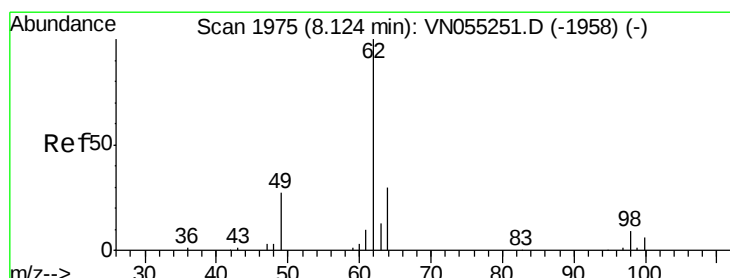
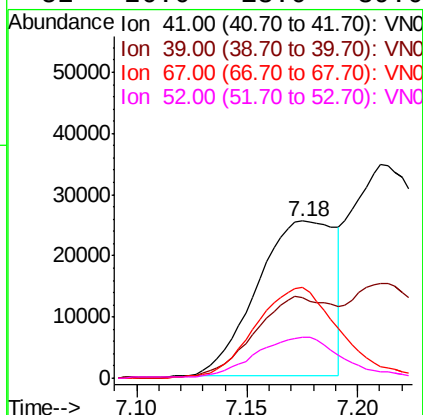
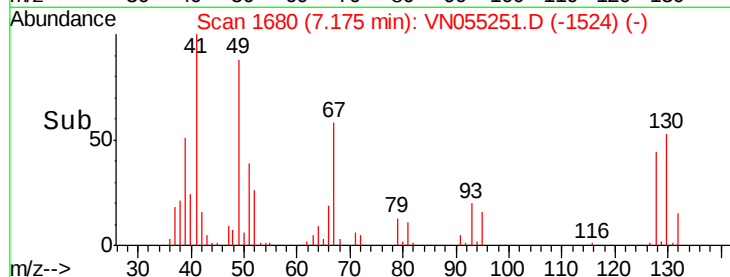
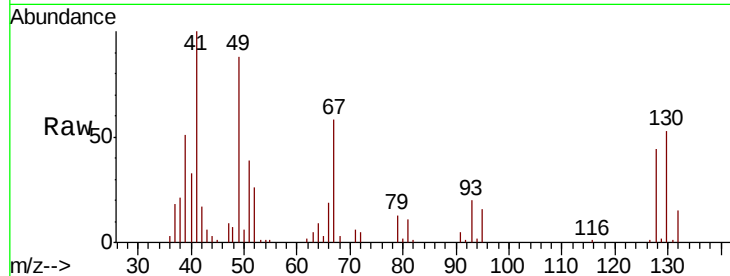




#35
Methacrylonitrile
Concen: 25.733 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

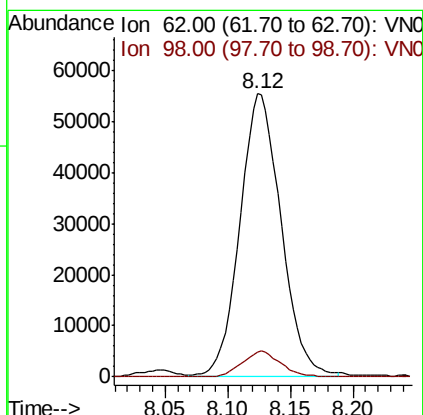
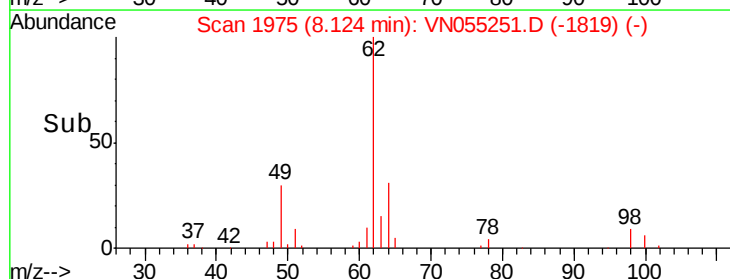
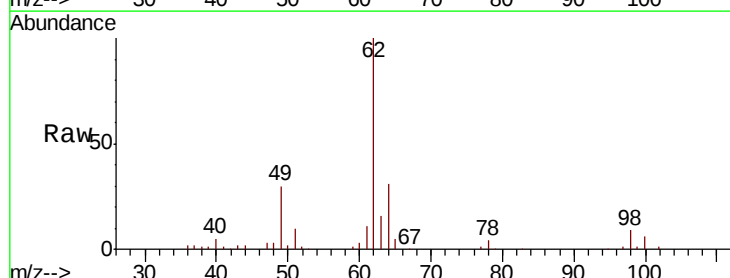
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

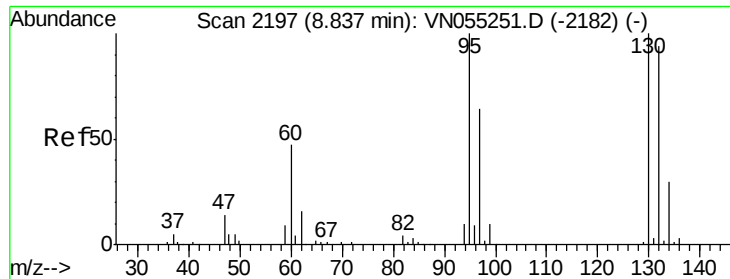
Tot Ion:	41	Resp:	62100
Ion	Ratio	Lower	Upper
41	100		
39	50.5	25.3	75.8
67	57.4	28.7	86.1
52	26.0	13.0	39.0



#36
1,2-Dichloroethane
Concen: 21.363 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion:	62	Resp:	126332
Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.8	10.2

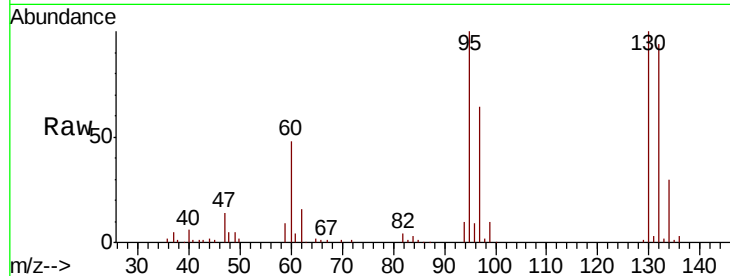




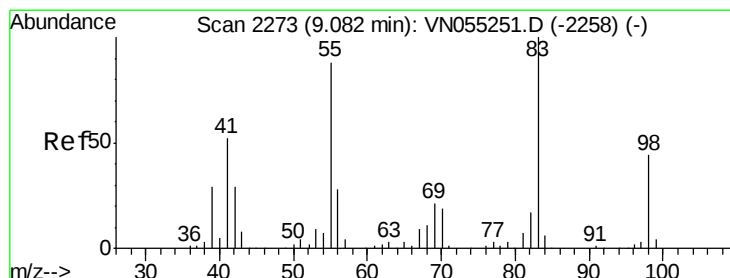
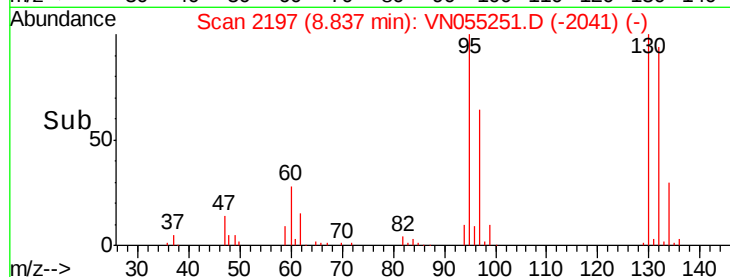
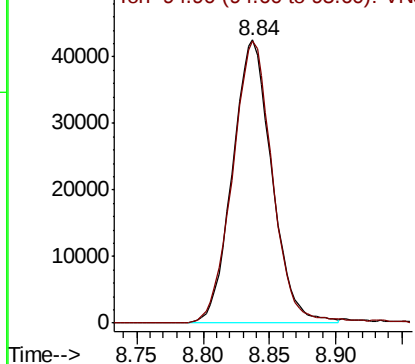
#37
 Trichloroethene
 Concen: 20.241 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion:130 Resp: 87919
 Ion Ratio Lower Upper
 130 100
 95 99.9 79.9 119.9

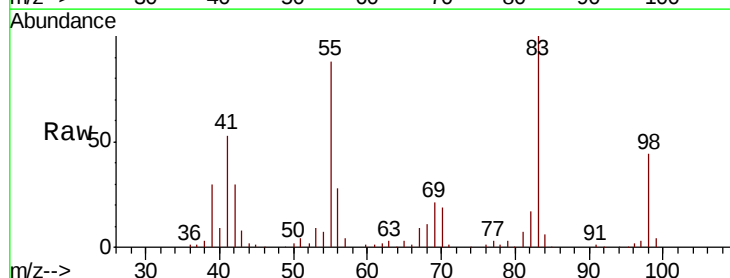


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

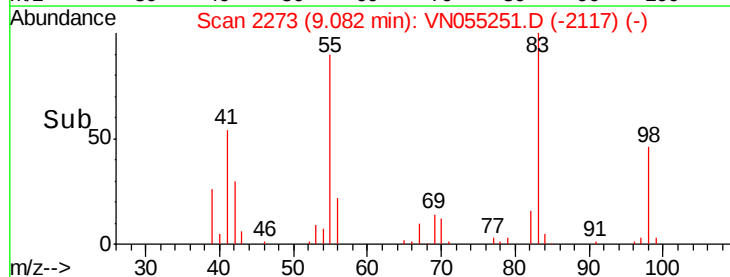
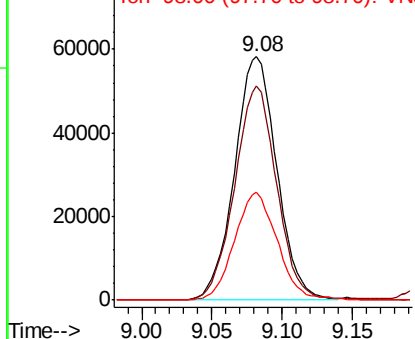


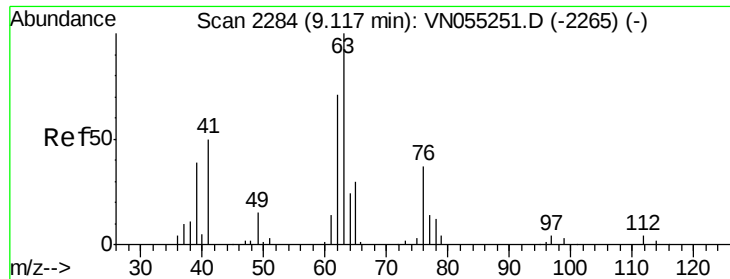
#38
 Methylcyclohexane
 Concen: 18.640 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 83 Resp: 122104
 Ion Ratio Lower Upper
 83 100
 55 87.6 43.8 131.4
 98 44.8 22.4 67.2



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

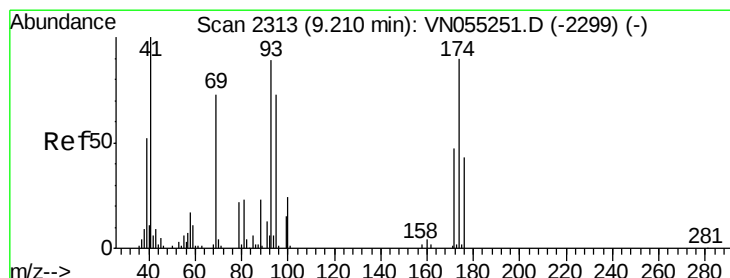
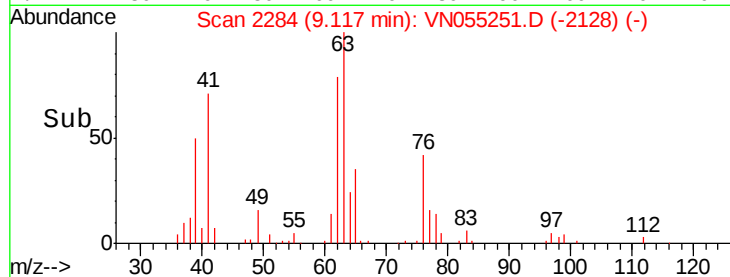
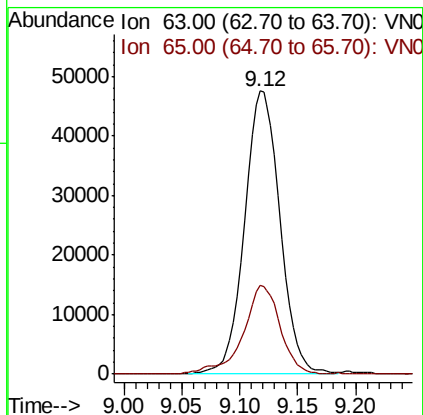
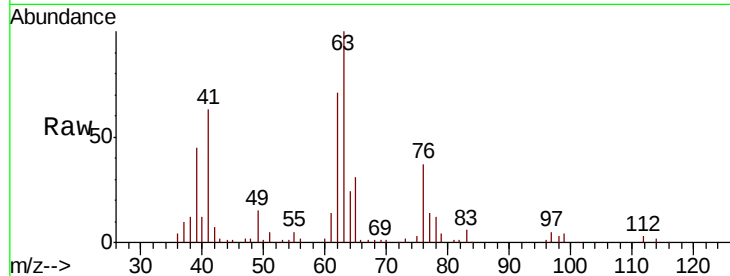




#39
 1,2-Dichloropropane
 Concen: 21.244 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

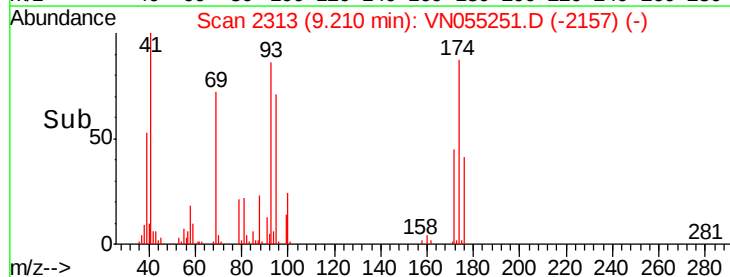
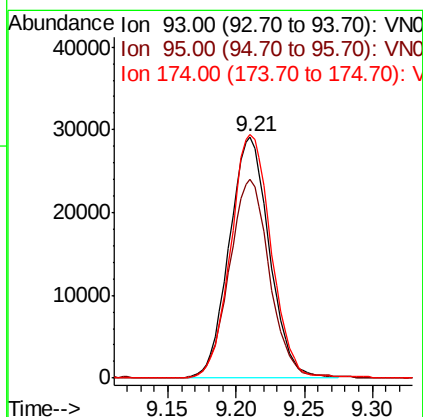
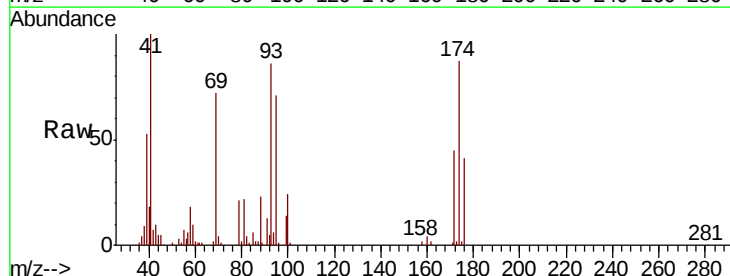
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

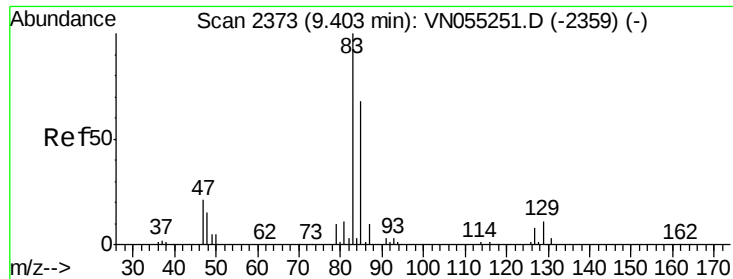
Tot Ion: 63 Resp: 101594
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 36.8



#40
 Dibromomethane
 Concen: 21.941 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 93 Resp: 59644
 Ion Ratio Lower Upper
 93 100
 95 82.4 0.0 164.8
 174 101.7 0.0 203.4





#41

Bromodichloromethane

Concen: 20.713 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

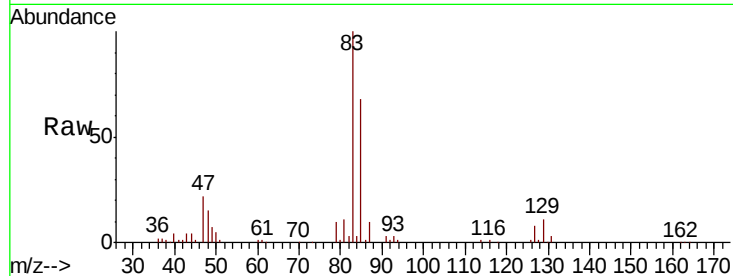
Tot Ion: 83 Resp: 115469

Ion Ratio Lower Upper

83 100

85 68.1 54.5 81.7

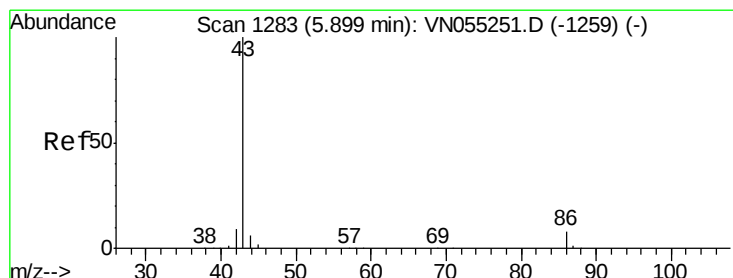
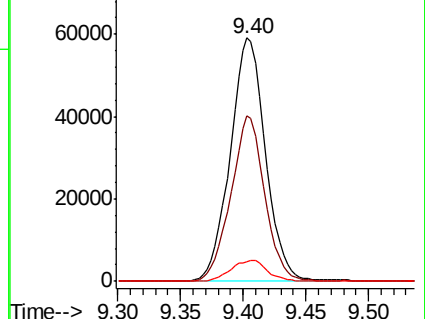
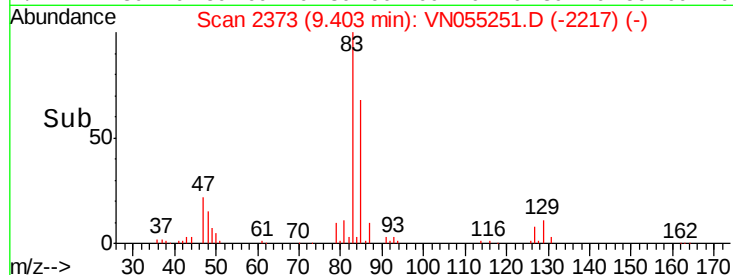
127 8.0 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VN055251.D (-2359) (-)

Ion 85.00 (84.70 to 85.70): VN055251.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN055251.D (-2359) (-)



#42

Vinyl Acetate

Concen: 110.726 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055251.D

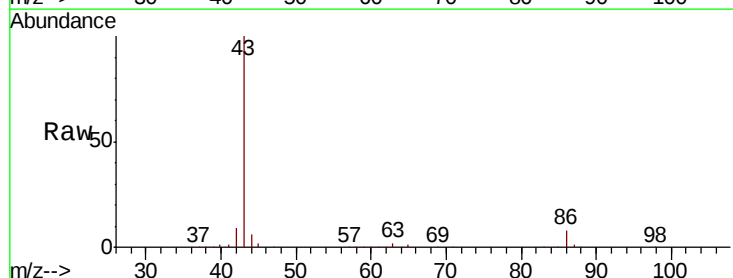
Acq: 25 Apr 2019 18:24

Tgt Ion: 43 Resp: 1111166

Ion Ratio Lower Upper

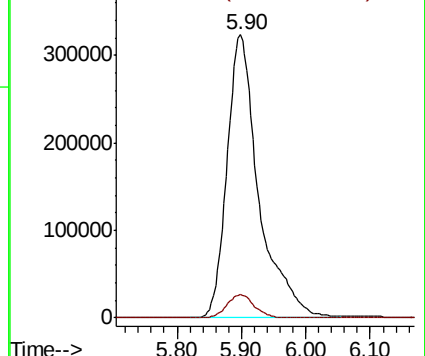
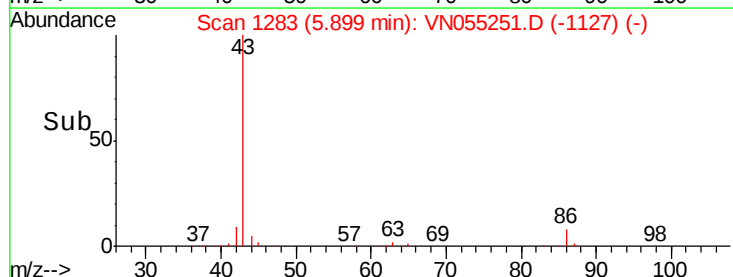
43 100

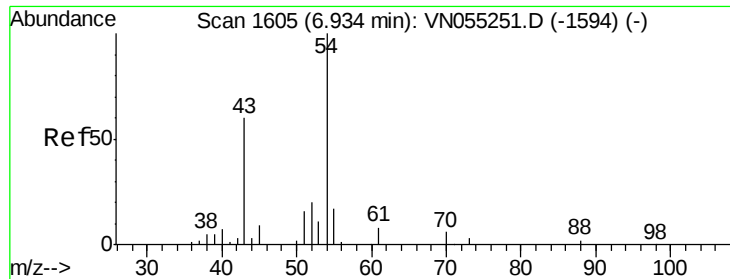
86 7.1 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN055251.D (-1259) (-)

Ion 86.00 (85.70 to 86.70): VN055251.D (-1259) (-)





#43

Ethyl Acetate

Concen: 25.380 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

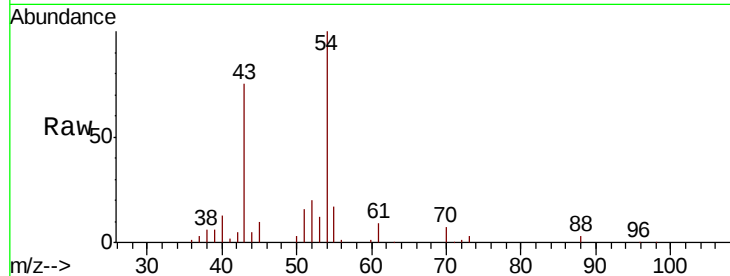
VSTDICCC020

Tot Ion: 43 Resp: 106417

Ion Ratio Lower Upper

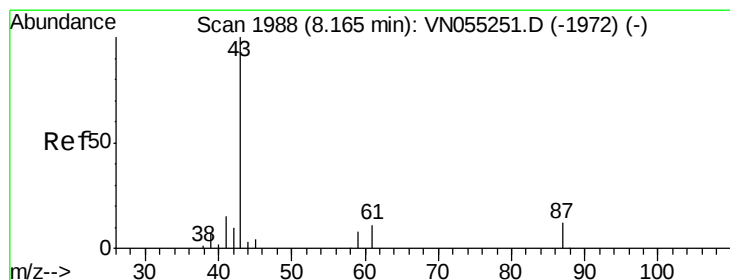
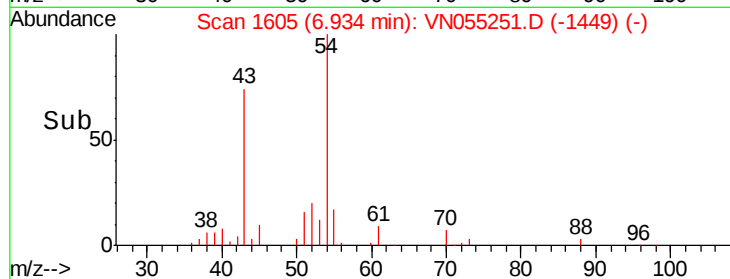
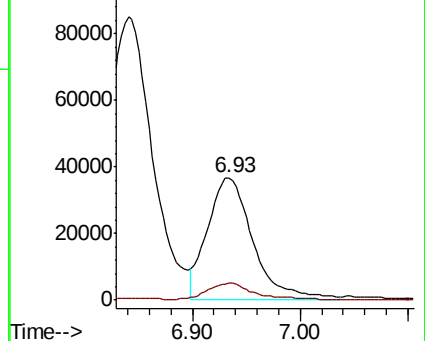
43 100

45 12.0 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 25.611 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055251.D

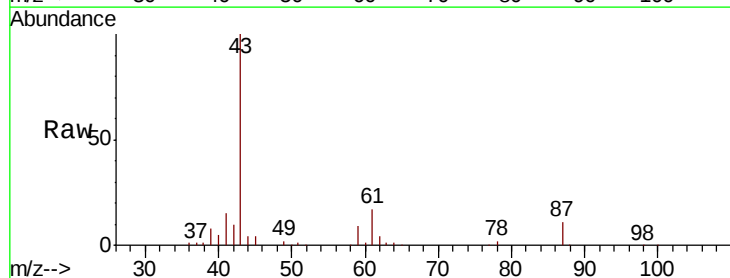
Acq: 25 Apr 2019 18:24

Tgt Ion: 43 Resp: 184682

Ion Ratio Lower Upper

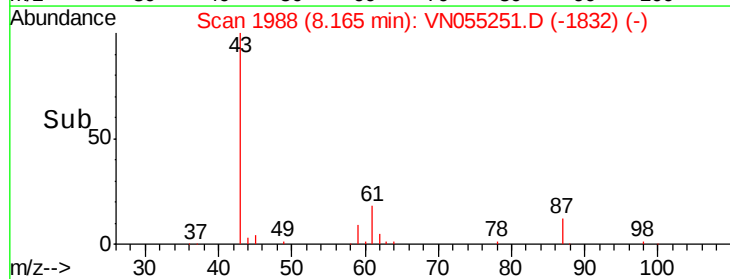
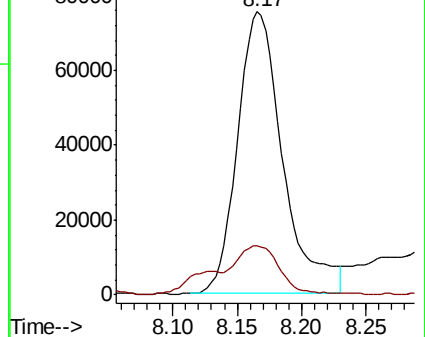
43 100

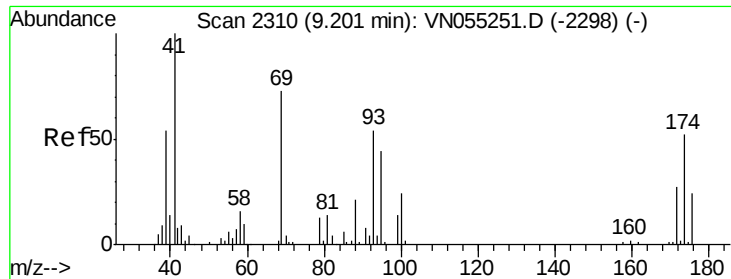
61 15.7 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

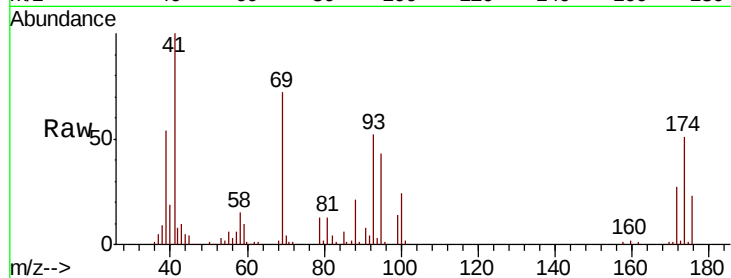




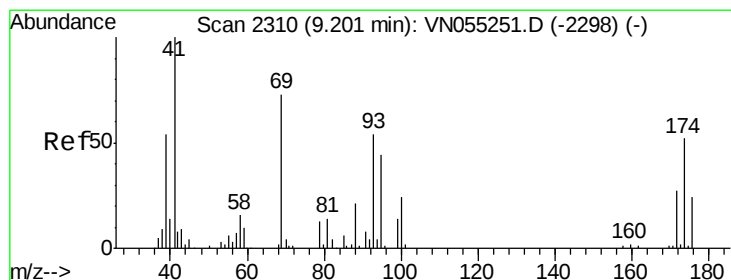
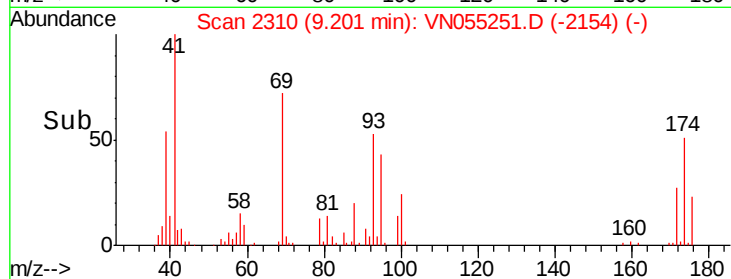
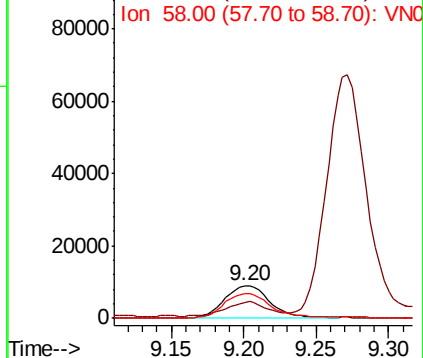
#45
 1,4-Dioxane
 Concen: 510.811 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tot Ion: 88 Resp: 19903
 Ion Ratio Lower Upper
 88 100
 43 36.7 29.4 44.0
 58 78.0 62.4 93.6

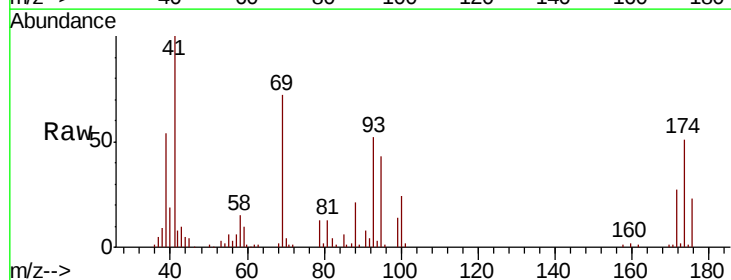


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

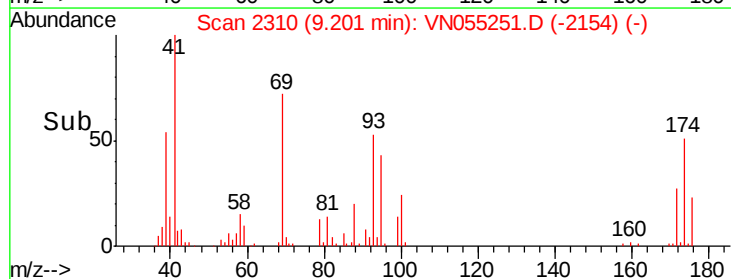
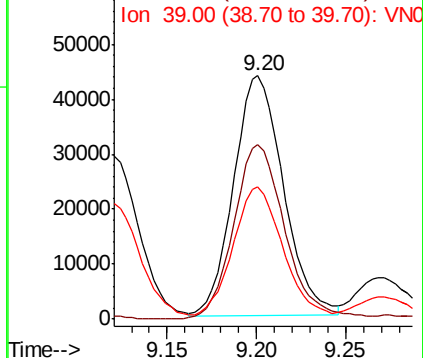


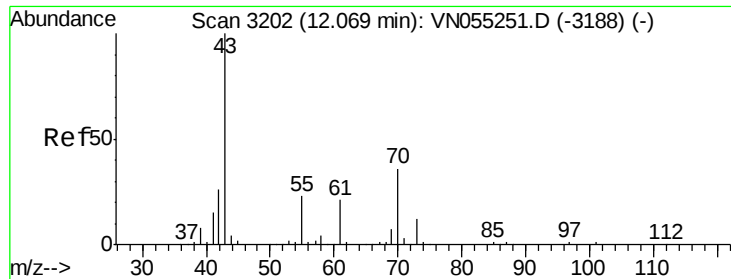
#46
 Methyl methacrylate
 Concen: 23.589 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 41 Resp: 85937
 Ion Ratio Lower Upper
 41 100
 69 72.9 36.4 109.3
 39 53.8 26.9 80.7



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

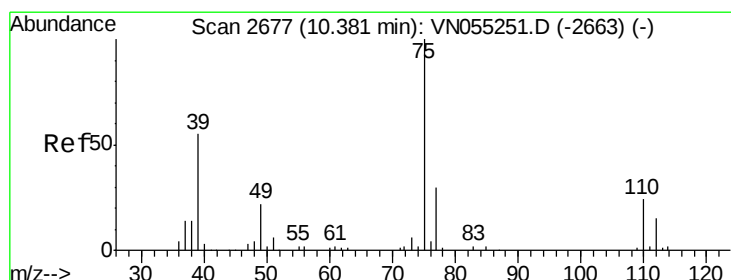
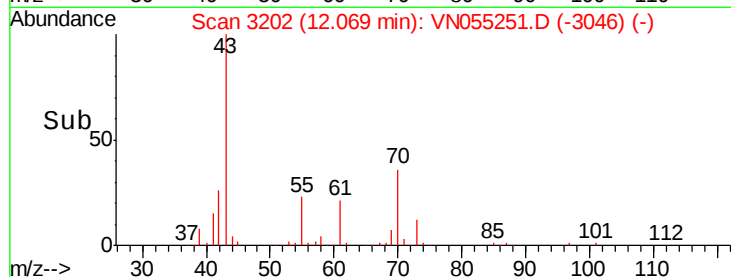
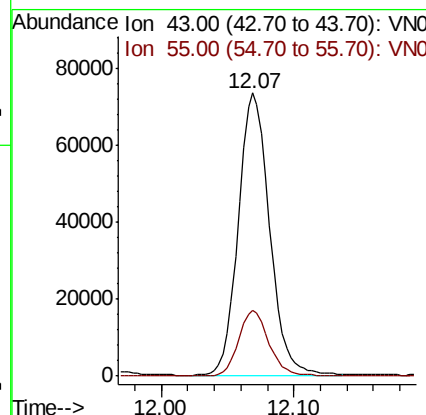
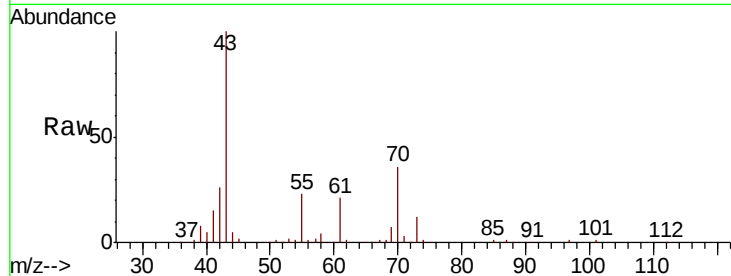




#47
n-amvl Acetate
Concen: 23.195 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

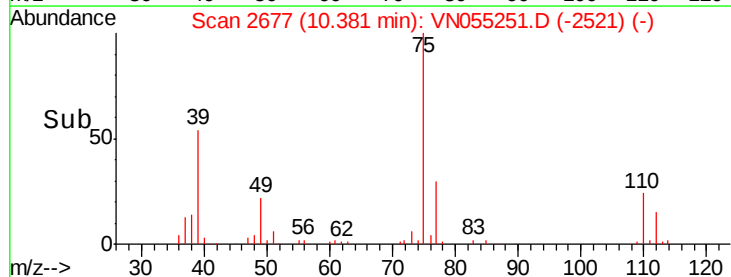
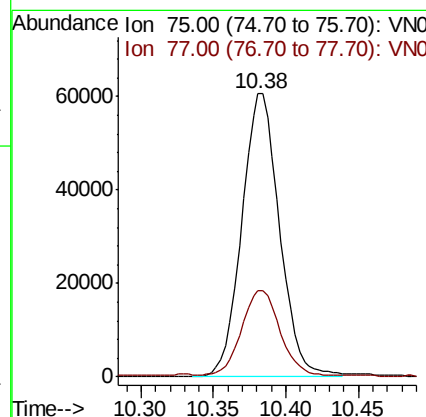
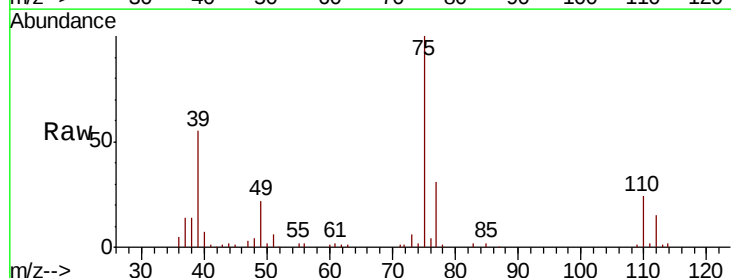
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

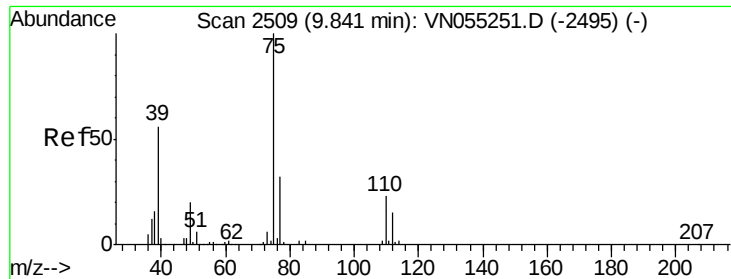
Tot Ion: 43 Resp: 119879
Ion Ratio Lower Upper
43 100
55 22.6 18.1 27.1



#48
t-1,3-Dichloropropene
Concen: 20.936 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 75 Resp: 109703
Ion Ratio Lower Upper
75 100
77 29.9 23.9 35.9



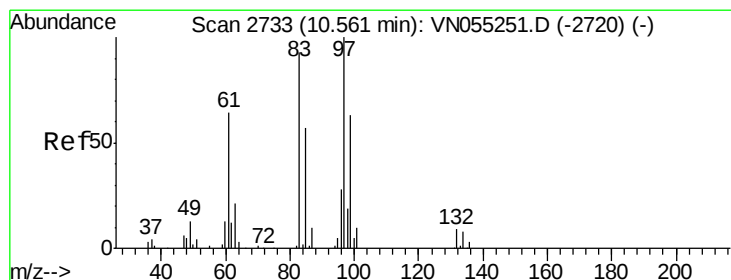
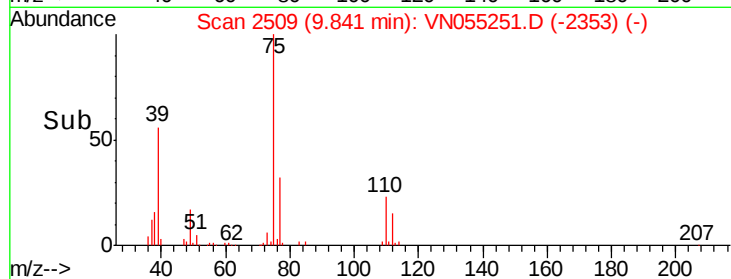
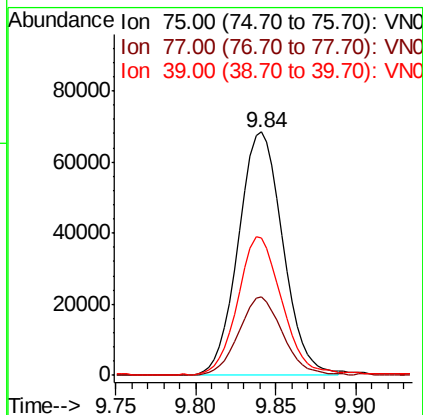
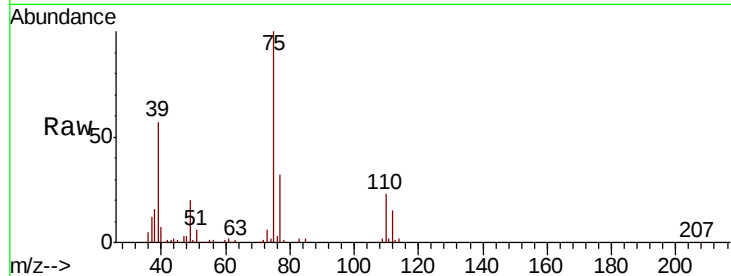


#49

cis-1,3-Dichloropropene
 Concen: 20.531 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

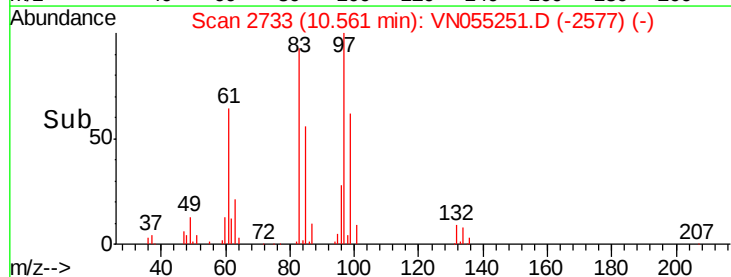
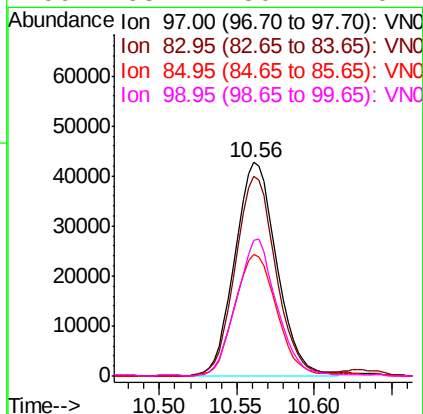
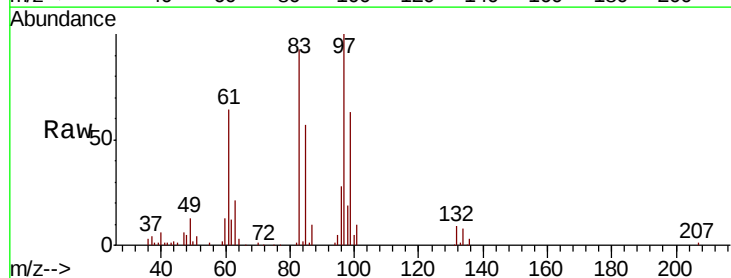
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.9	38.9
39	56.3	45.0	67.6

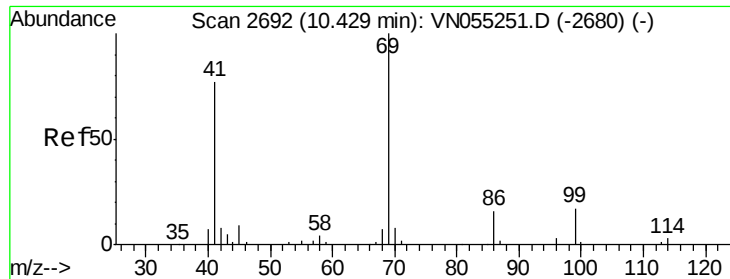


#50

1,1,2-Trichloroethane
 Concen: 21.758 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.2	74.6	111.8
85	56.8	45.4	68.2
99	63.4	50.7	76.1





#51

Ethyl methacrylate

Concen: 22.229 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

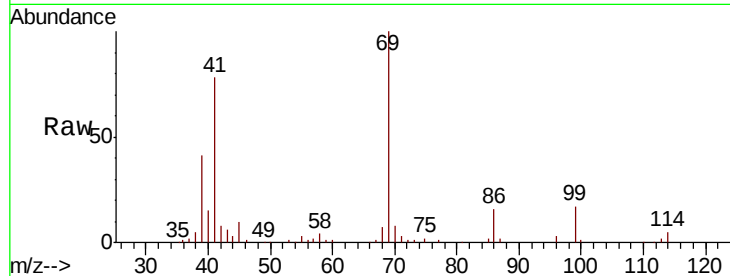
Tot Ion: 69 Resp: 100850

Ion	Ratio	Lower	Upper
69	100		
41	77.4	38.7	116.1
39	39.7	19.9	59.6

69 100

41 77.4 38.7 116.1

39 39.7 19.9 59.6

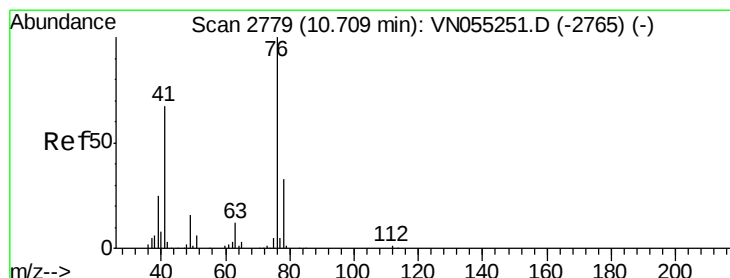
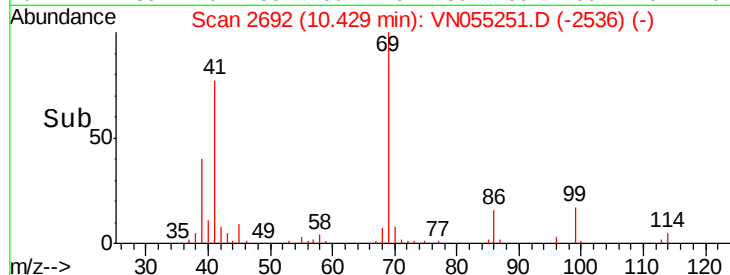
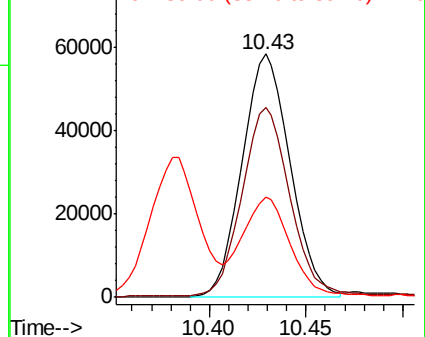


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.592 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055251.D

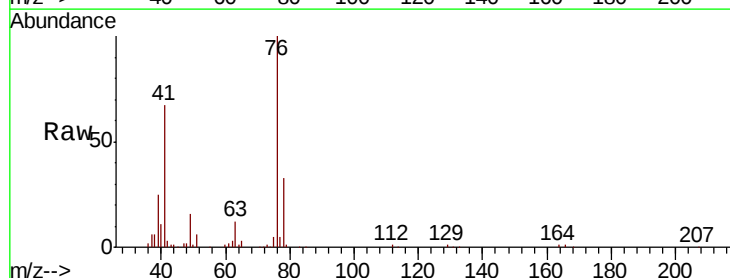
Acq: 25 Apr 2019 18:24

Tgt Ion: 76 Resp: 139725

Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	63.0

76 100

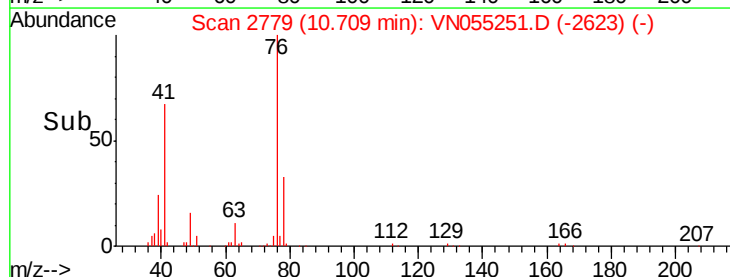
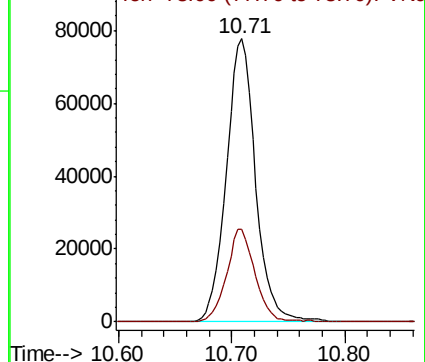
78 31.5 0.0 63.0

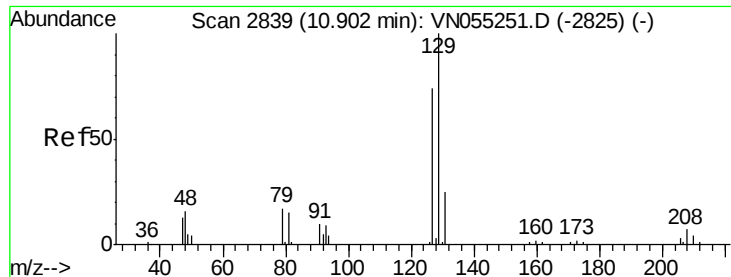


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.801 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

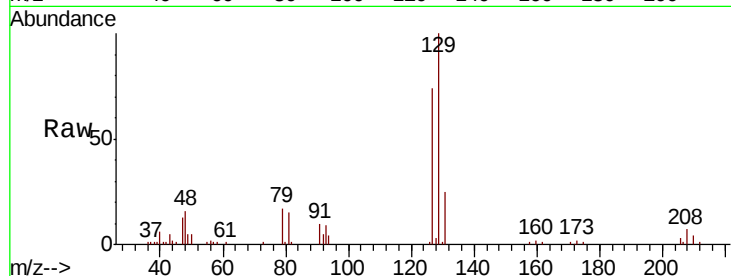
VSTDICCC020

Tot Ion:129 Resp: 79308

Ion Ratio Lower Upper

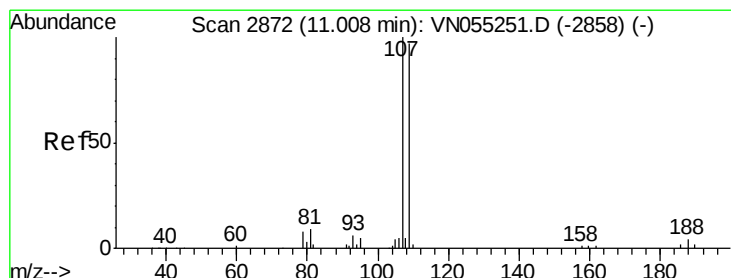
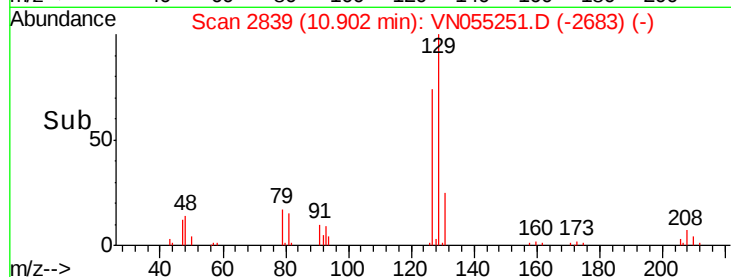
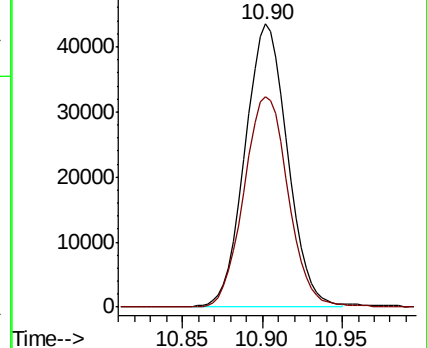
129 100

127 77.5 38.8 116.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.390 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055251.D

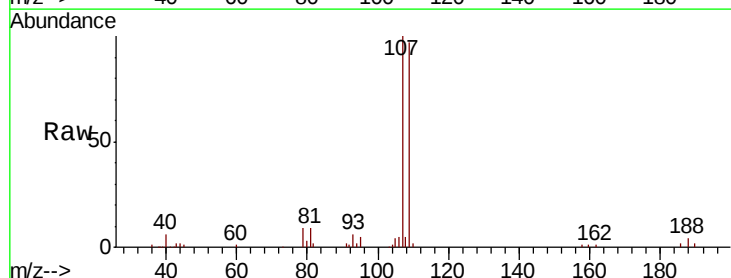
Acq: 25 Apr 2019 18:24

Tgt Ion:107 Resp: 74921

Ion Ratio Lower Upper

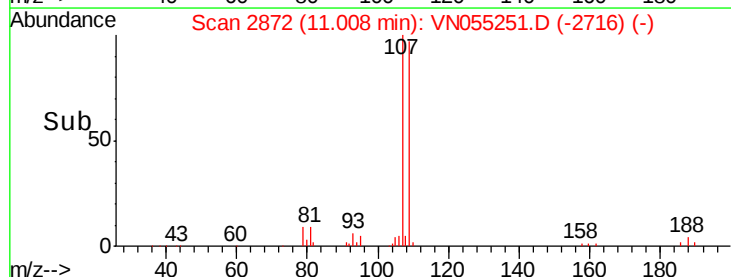
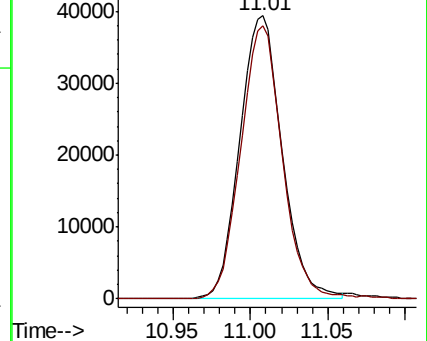
107 100

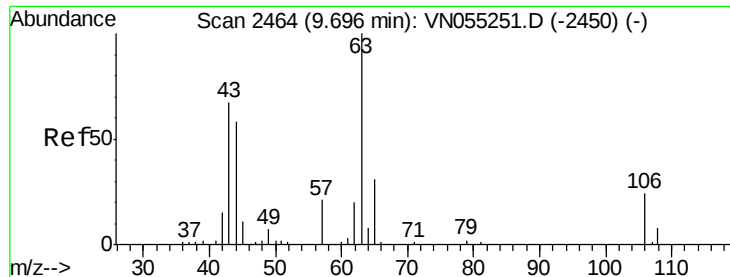
109 94.0 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

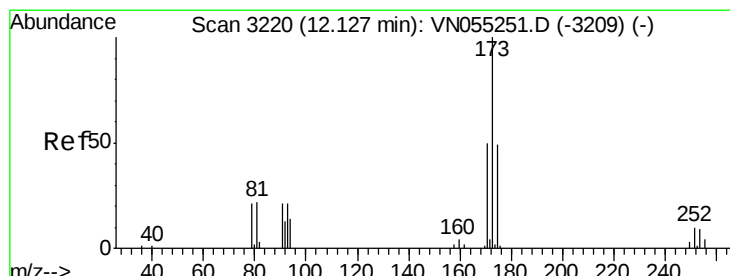
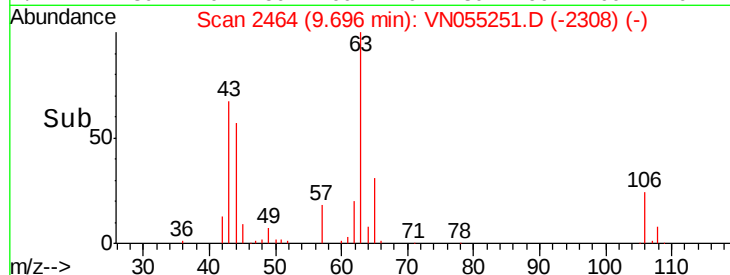
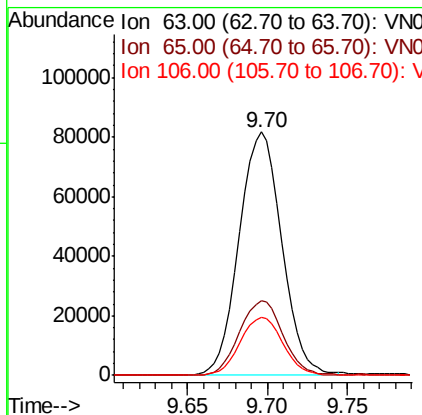
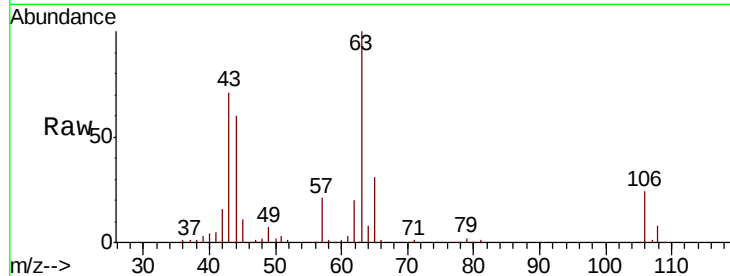




#55
2-Chloroethyl vinyl ether
Concen: 85.149 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

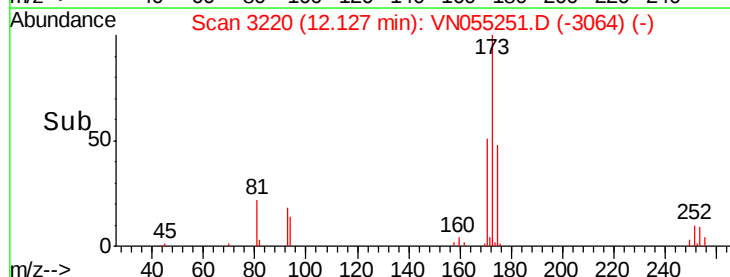
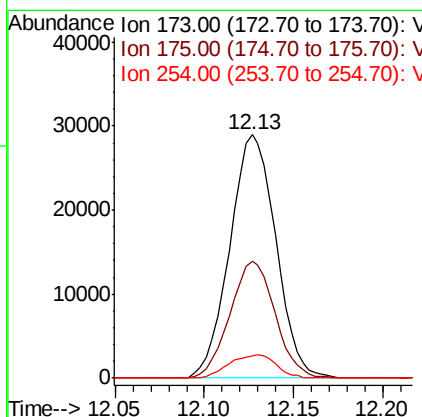
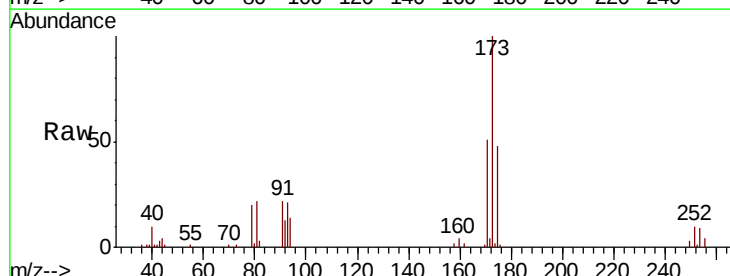
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

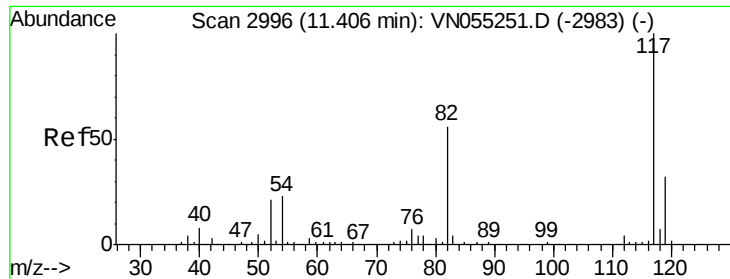
Tot Ion: 63 Resp: 149054
Ion Ratio Lower Upper
63 100
65 31.4 25.1 37.7
106 24.2 19.4 29.0



#56
Bromoform
Concen: 21.272 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 173 Resp: 51924
Ion Ratio Lower Upper
173 100
175 47.1 37.7 56.5
254 9.7 7.8 11.6

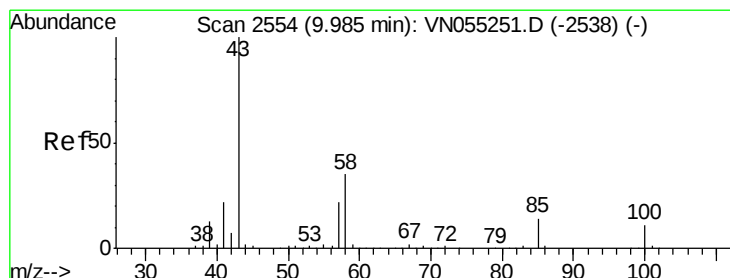
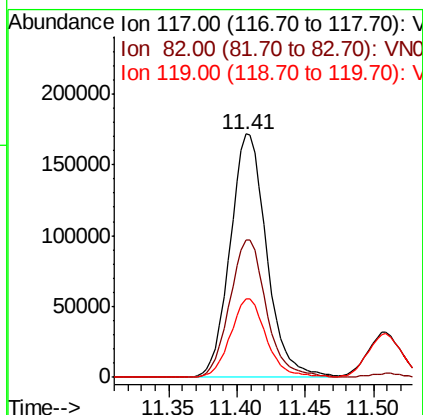
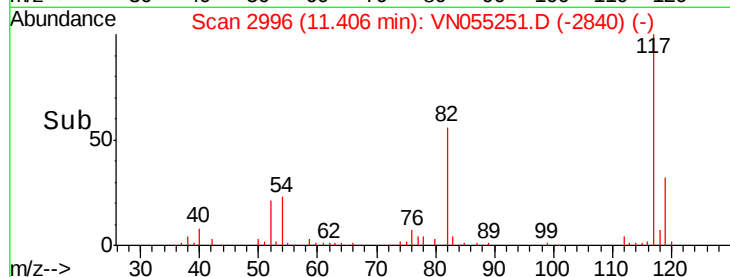
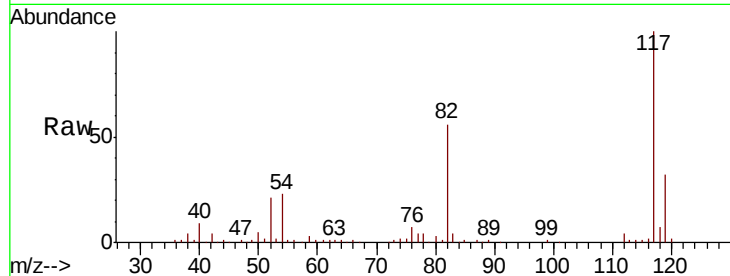




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

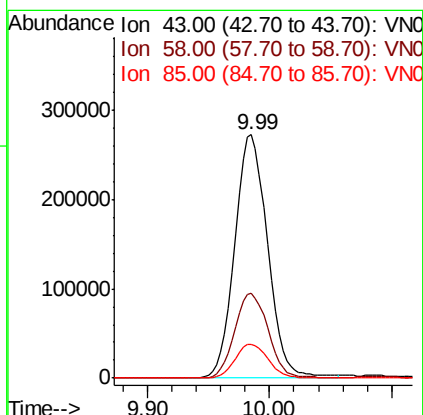
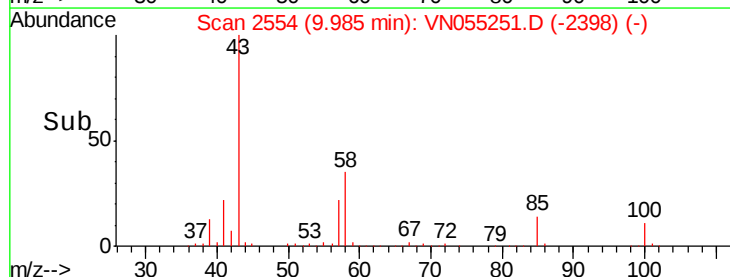
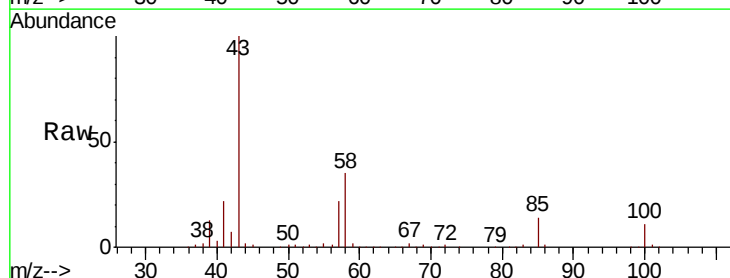
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

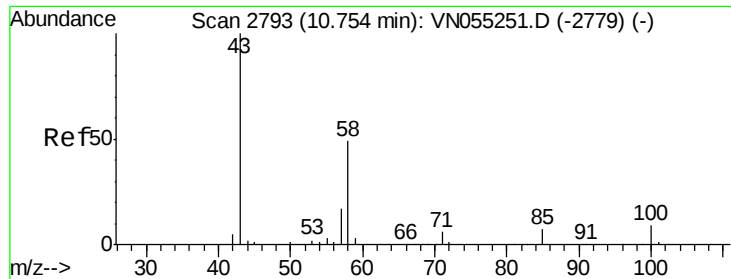
Tot Ion:117 Resp: 319147
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 31.7 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 126.378 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 43 Resp: 505568
Ion Ratio Lower Upper
43 100
58 35.8 28.6 43.0
85 14.3 11.4 17.2

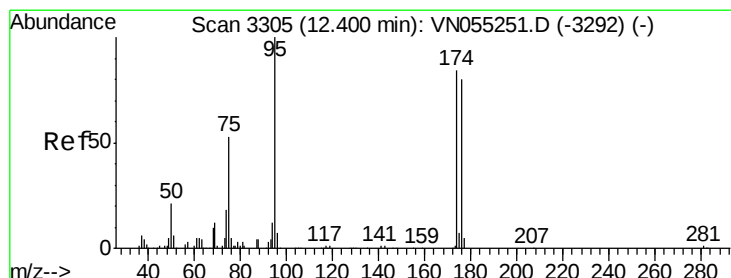
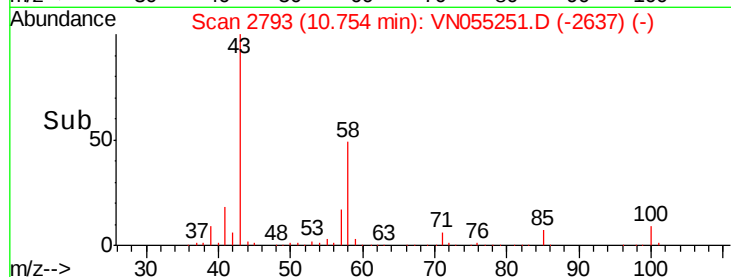
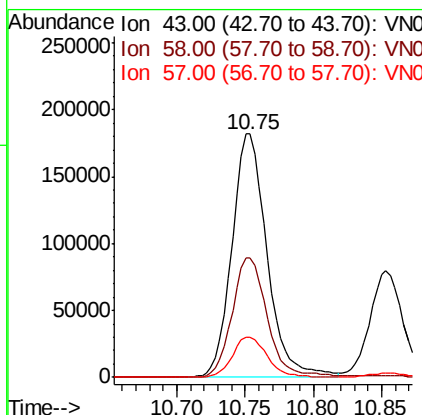
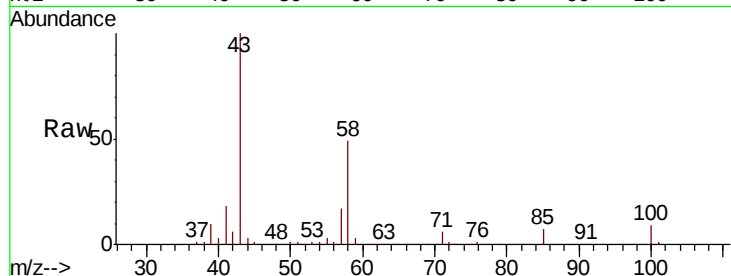




#59
2-Hexanone
Concen: 127.910 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

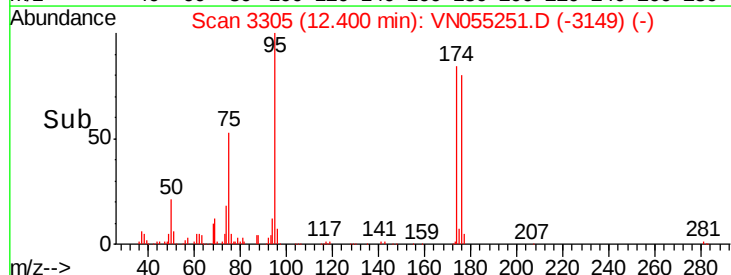
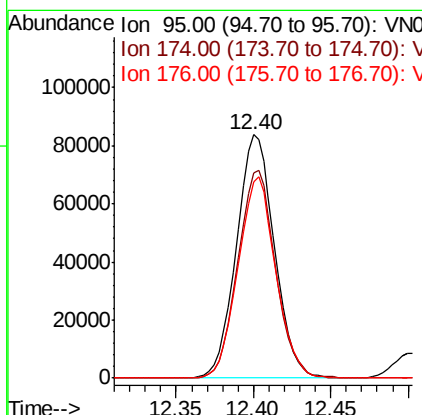
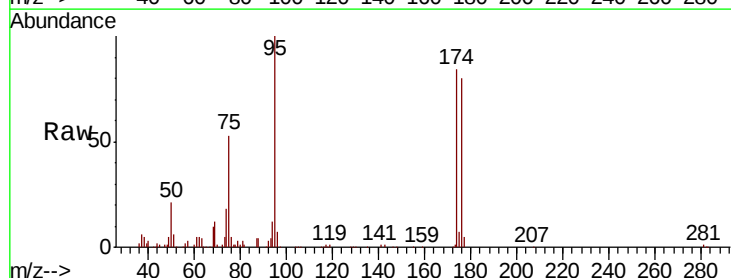
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

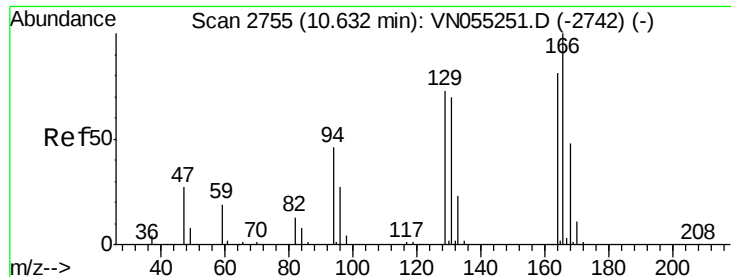
Tot Ion: 43 Resp: 322912
Ion Ratio Lower Upper
43 100
58 48.8 39.0 58.6
57 16.8 13.4 20.2



#60
4-Bromofluorobenzene
Concen: 127.910 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 95 Resp: 142682
Ion Ratio Lower Upper
95 100
174 85.1 68.1 102.1
176 82.2 65.8 98.6





#61

Tetrachloroethene

Concen: 21.004 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tot Ion:164 Resp: 87997

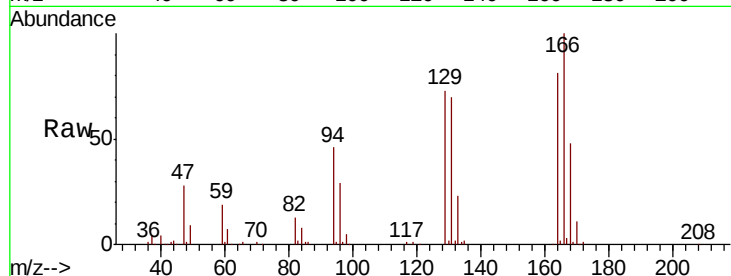
Ion Ratio Lower Upper

164 100

166 123.2 98.6 147.8

129 90.5 72.4 108.6

131 86.5 69.2 103.8

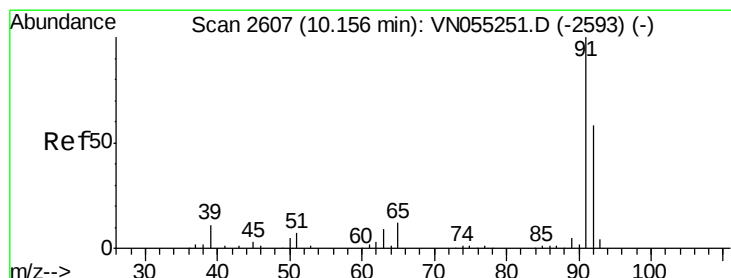
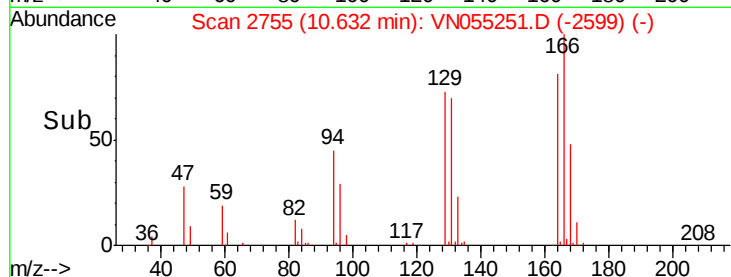
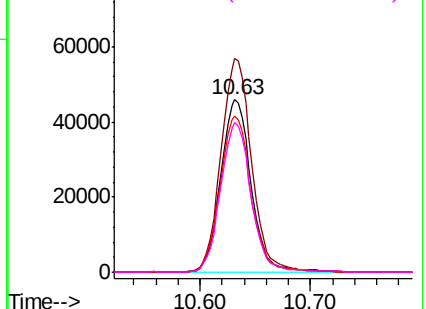


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.549 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055251.D

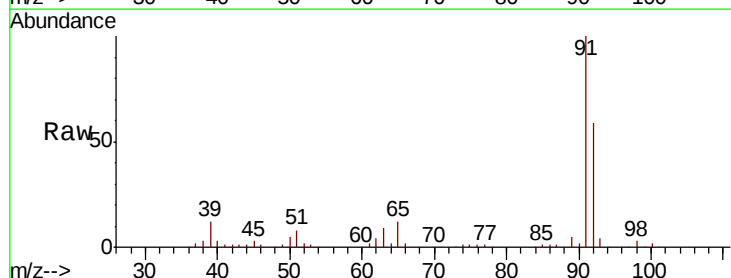
Acq: 25 Apr 2019 18:24

Tgt Ion: 91 Resp: 365280

Ion Ratio Lower Upper

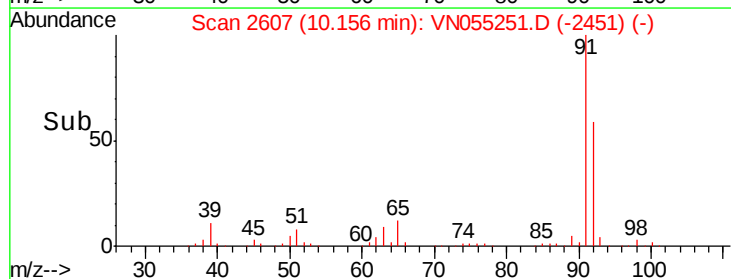
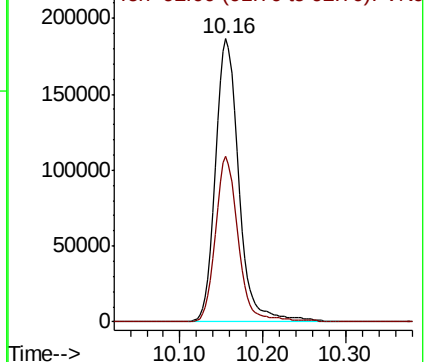
91 100

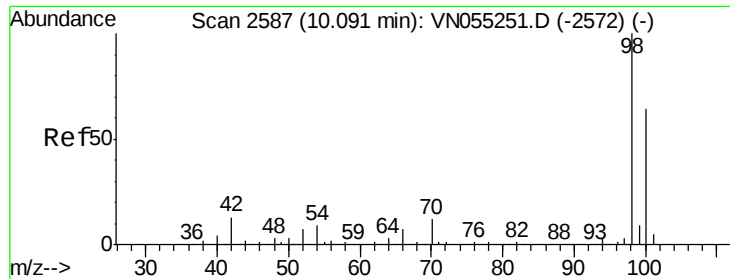
92 55.4 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.549 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampled :

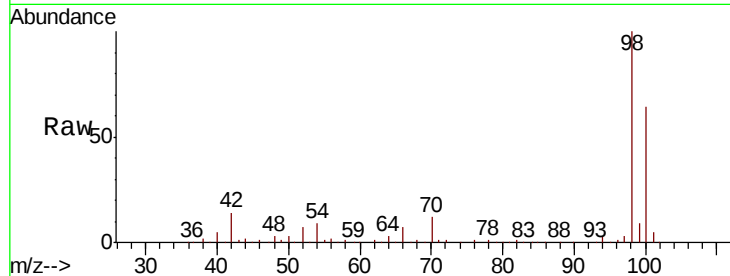
VSTDICCC020

Tot Ion: 98 Resp: 459886

Ion Ratio Lower Upper

98 100

100 62.5 50.0 75.0



Abundance Ion 98.00 (97.70 to 98.70): VN055251.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN055251.D (-2572) (-)

10.09

250000

200000

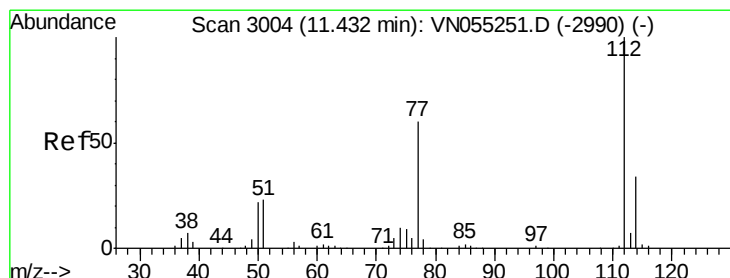
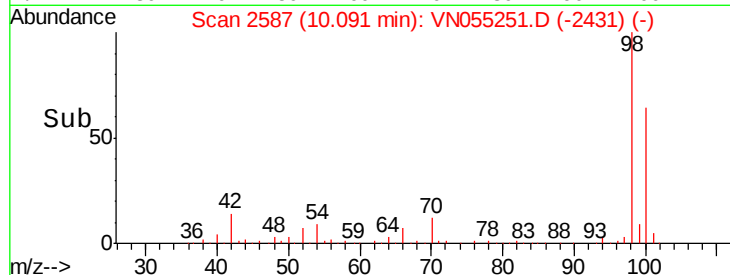
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.082 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055251.D

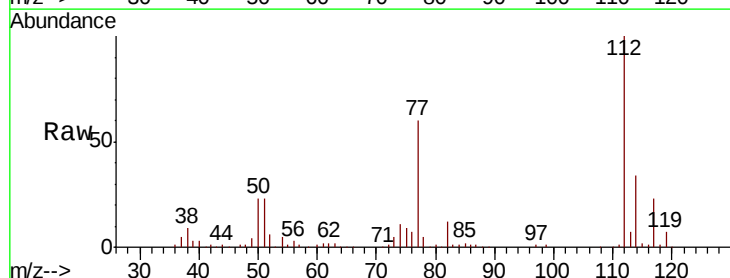
Acq: 25 Apr 2019 18:24

Tgt Ion: 112 Resp: 214268

Ion Ratio Lower Upper

112 100

114 33.6 26.9 40.3



Abundance Ion 112.00 (111.70 to 112.70): VN055251.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN055251.D (-2990) (-)

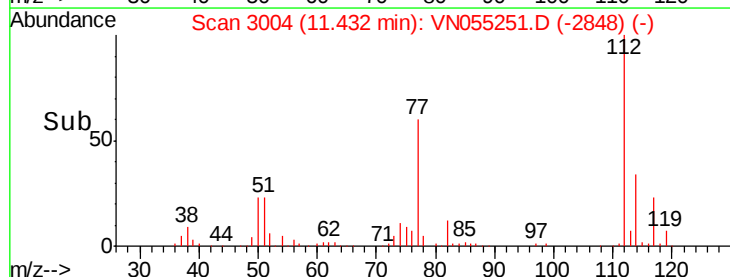
11.43

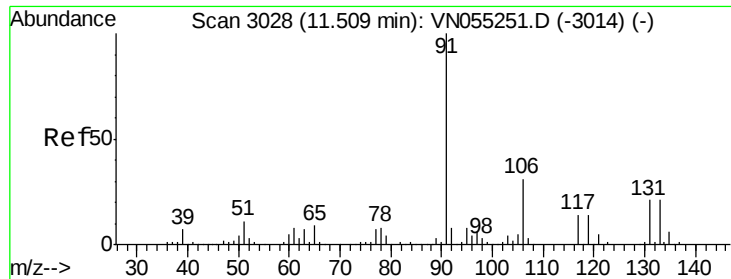
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 20.526 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

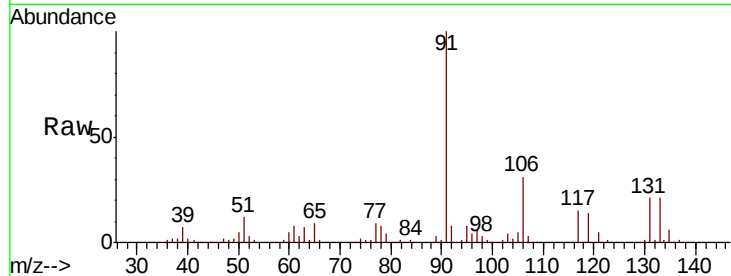
Tot Ion:131 Resp: 78987

Ion Ratio Lower Upper

131 100

133 97.8 0.0 195.6

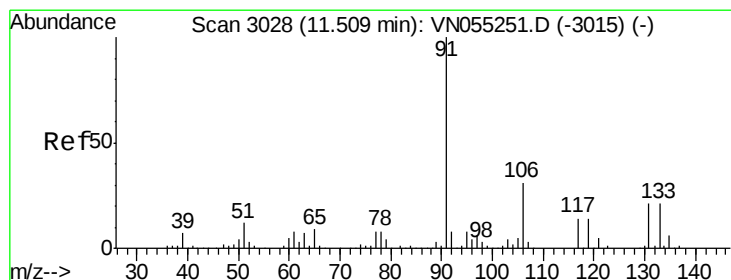
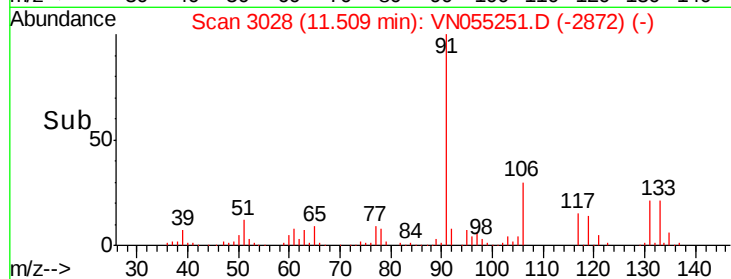
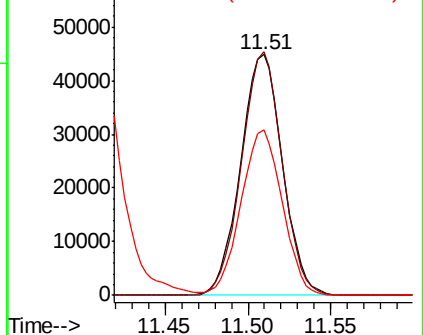
119 67.5 0.0 135.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.996 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055251.D

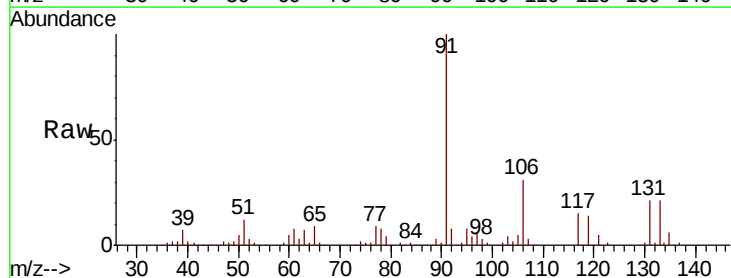
Acq: 25 Apr 2019 18:24

Tgt Ion: 91 Resp: 379804

Ion Ratio Lower Upper

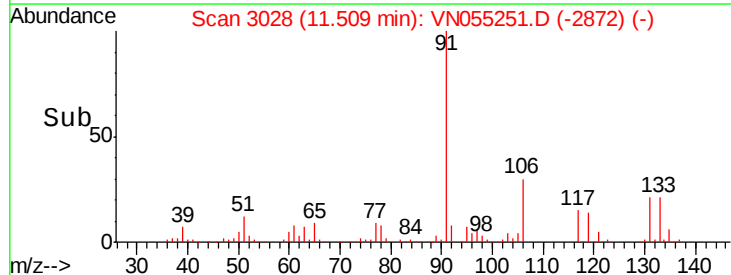
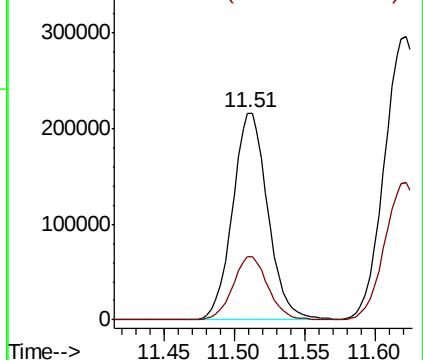
91 100

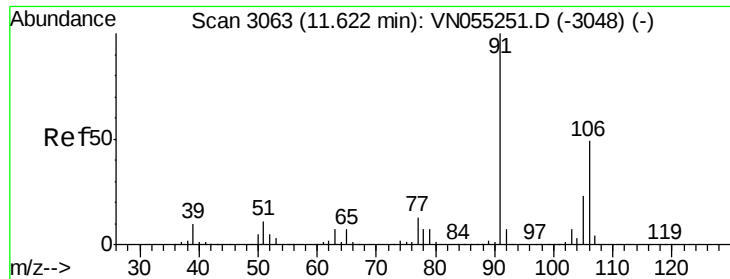
106 30.6 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

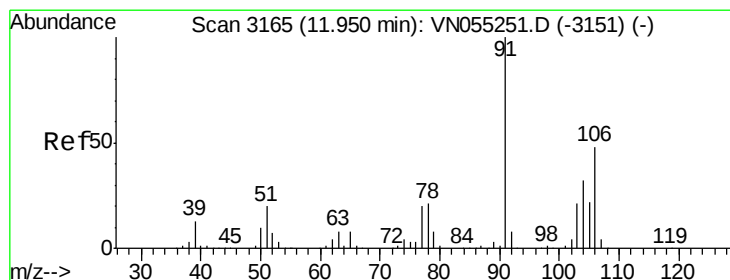
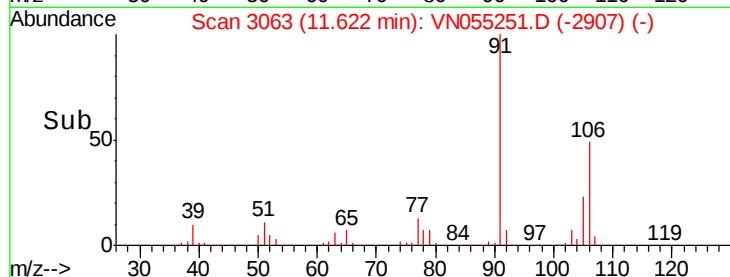
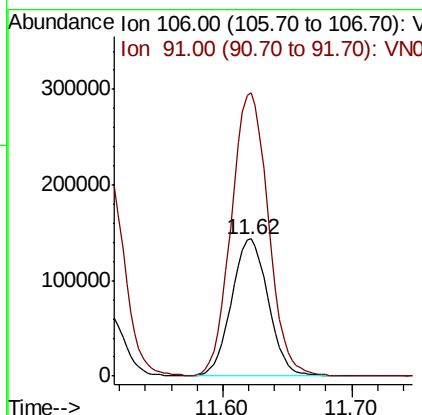
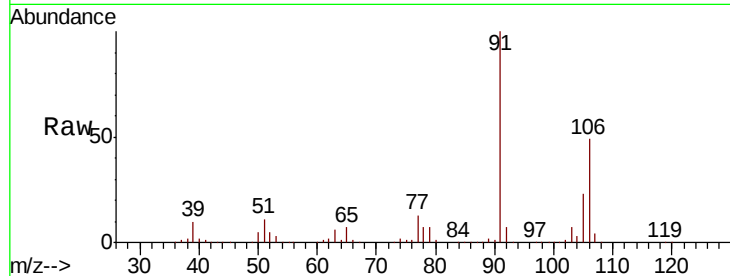




#67
m/p-Xvlenes
Concen: 40.473 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

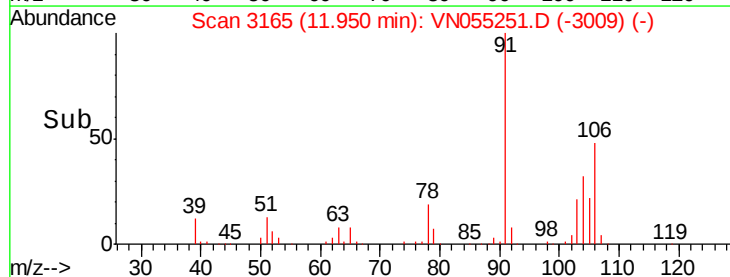
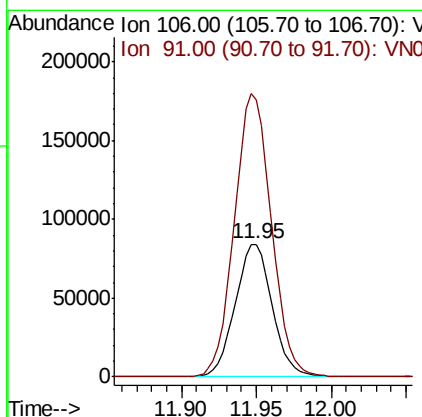
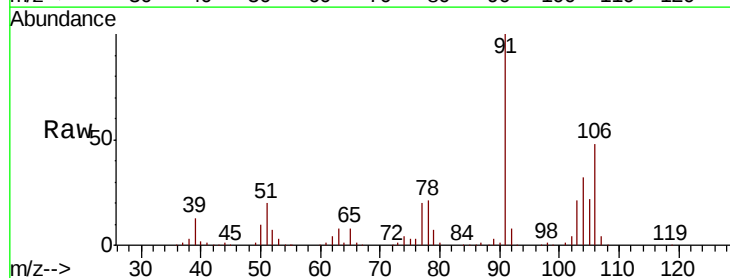
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

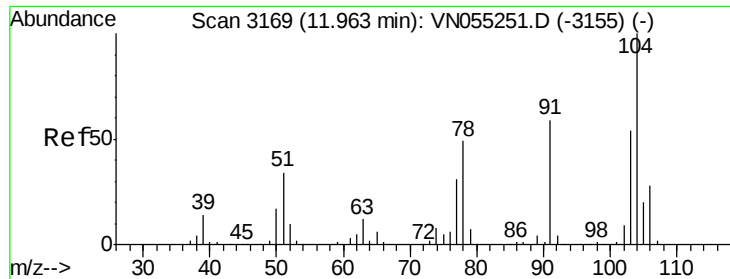
Tot Ion:106 Resp: 285185
Ion Ratio Lower Upper
106 100
91 206.8 165.4 248.2



#68
o-Xylene
Concen: 20.674 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion:106 Resp: 145031
Ion Ratio Lower Upper
106 100
91 213.6 106.8 320.4

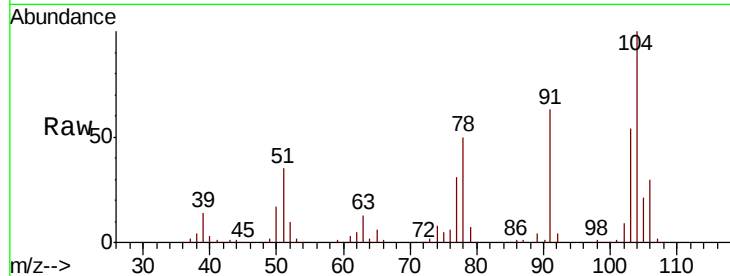




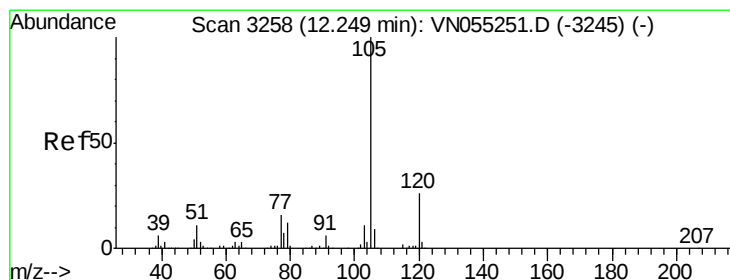
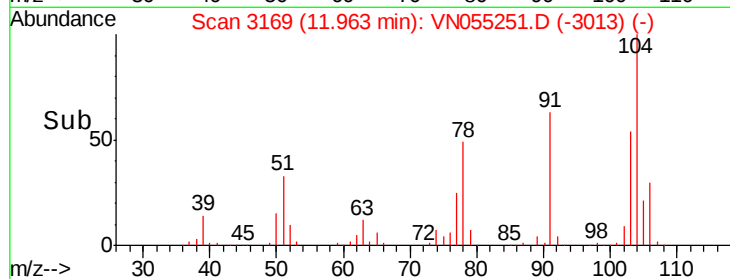
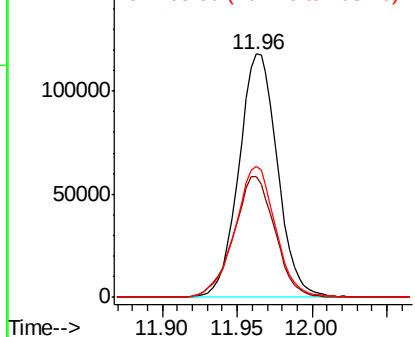
#69
Stvrene
Concen: 19.594 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tot Ion:104 Resp: 211792
Ion Ratio Lower Upper
104 100
78 53.0 42.4 63.6
103 56.6 45.3 67.9

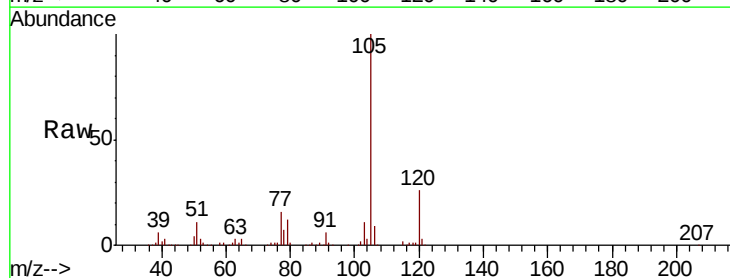


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

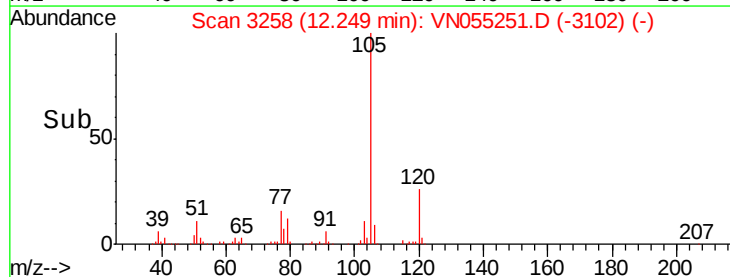
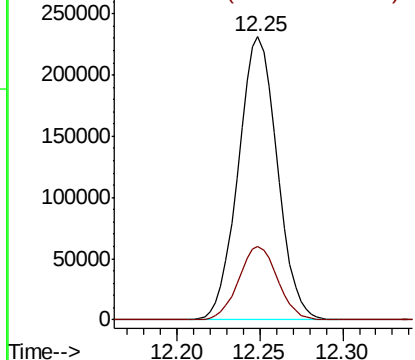


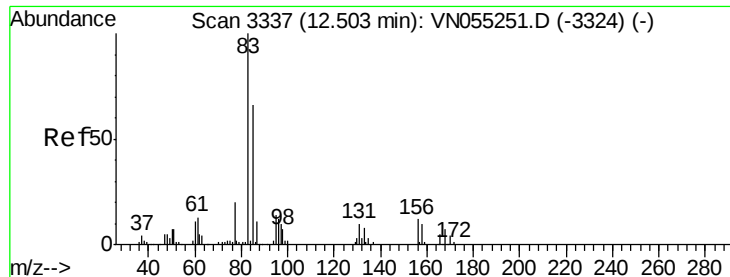
#70
Isopropylbenzene
Concen: 20.298 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion:105 Resp: 378016
Ion Ratio Lower Upper
105 100
120 25.9 18.1 33.7



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

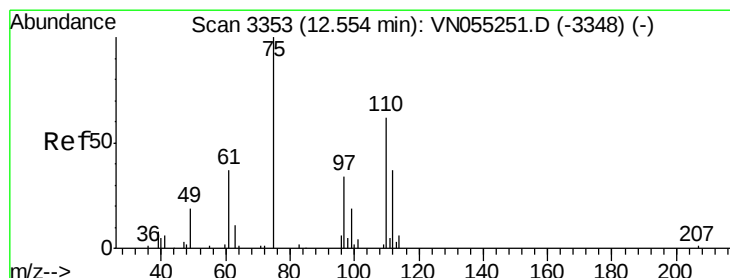
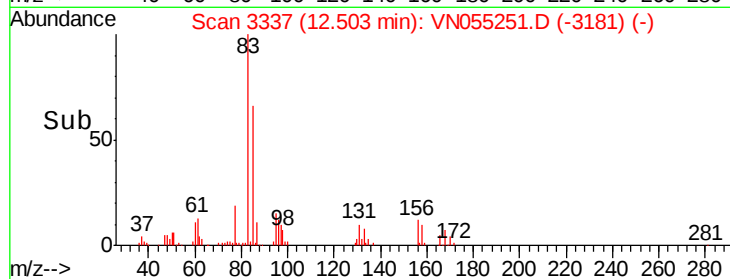
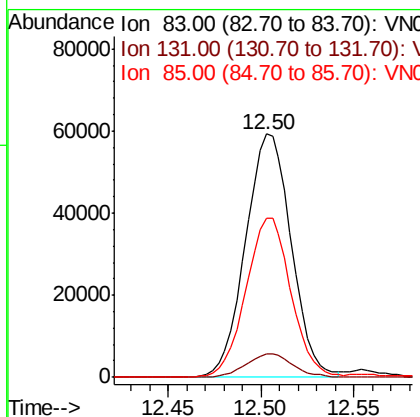
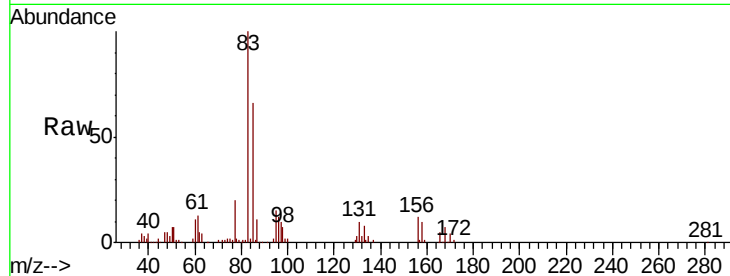




#71
 1,1,2,2-Tetrachloroethane
 Concen: 23.056 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

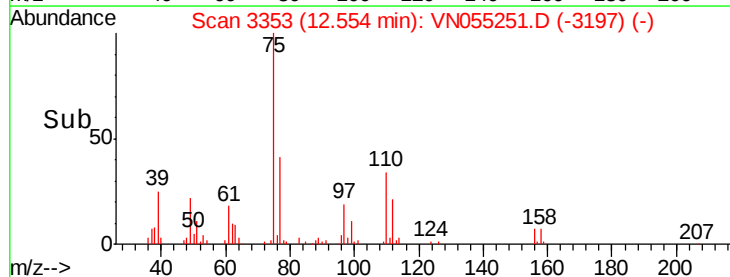
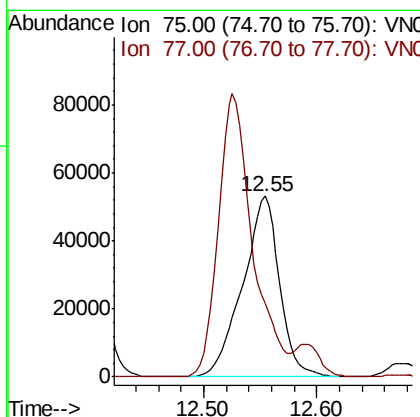
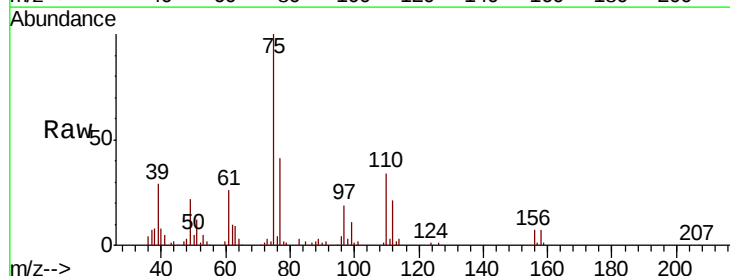
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

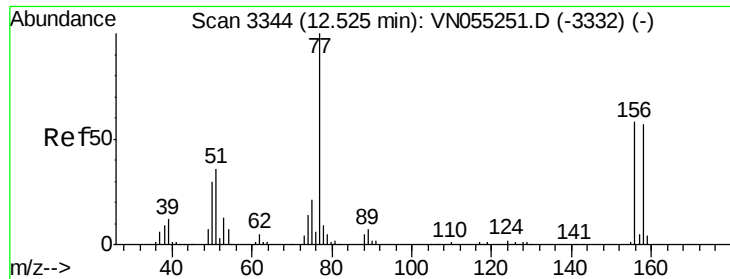
Tot Ion	83	Resp	102158
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.5	32.3	96.8



#72
 1,2,3-Trichloropropane
 Concen: 33.045 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion	75	Resp	120748
Ion Ratio	Lower	Upper	
75	100		
77	145.2	0.0	410.2





#73

Bromobenzene

Concen: 19.793 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

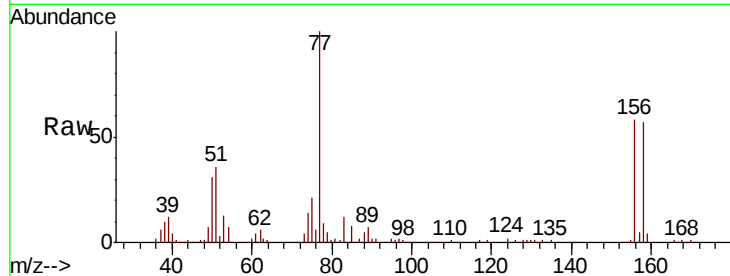
Tot Ion:156 Resp: 87010

Ion Ratio Lower Upper

156 100

77 201.6 0.0 403.2

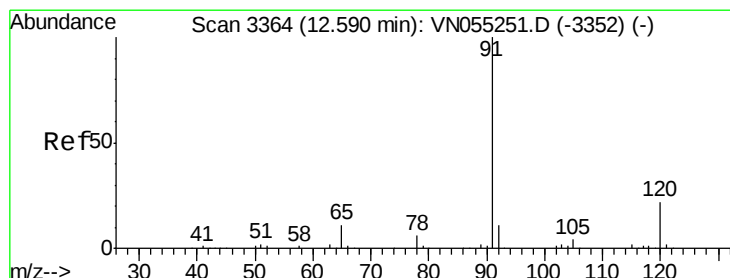
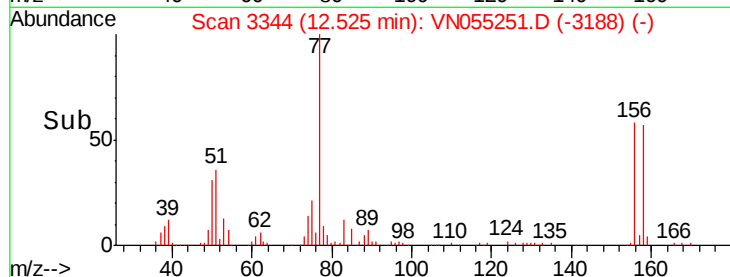
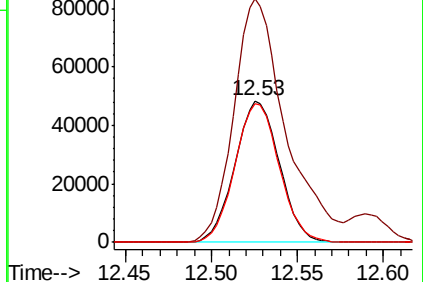
158 97.9 0.0 195.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.938 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055251.D

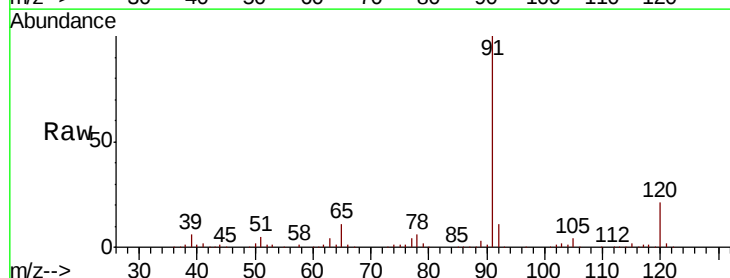
Acq: 25 Apr 2019 18:24

Tgt Ion: 91 Resp: 413618

Ion Ratio Lower Upper

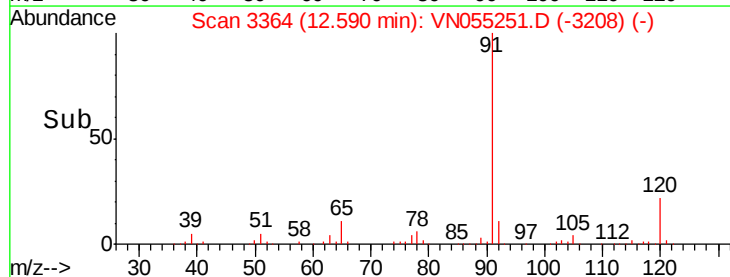
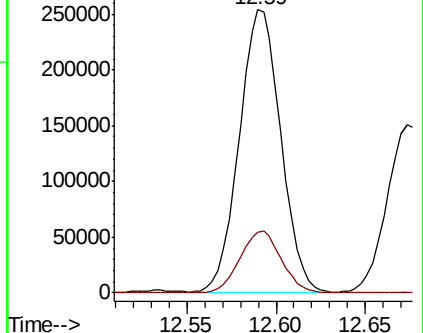
91 100

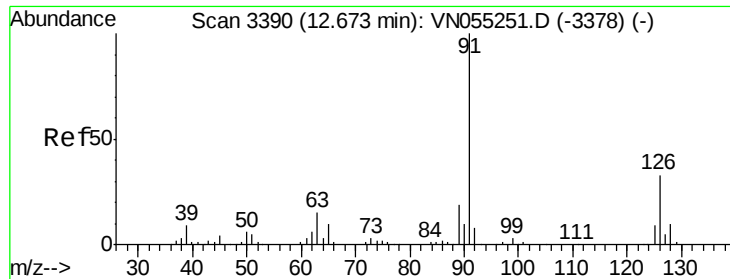
120 21.8 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.357 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

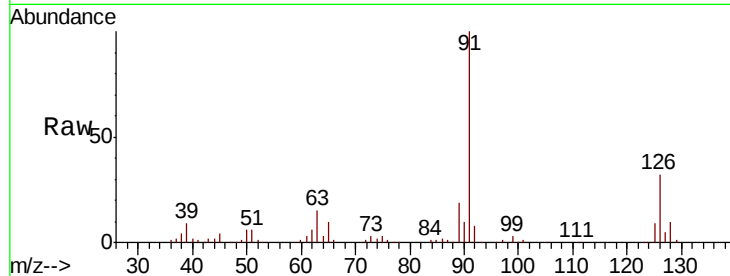
VSTDICCC020

Tot Ion: 91 Resp: 255991

Ion Ratio Lower Upper

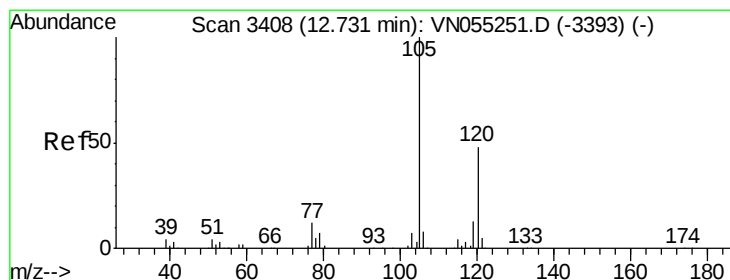
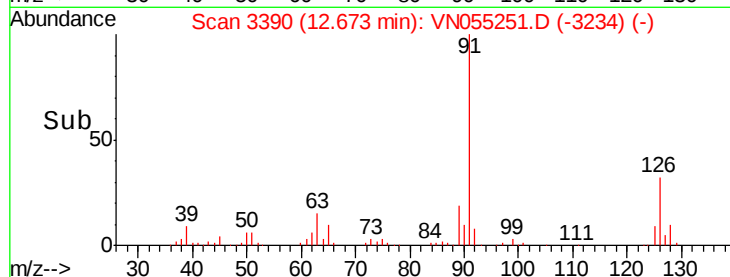
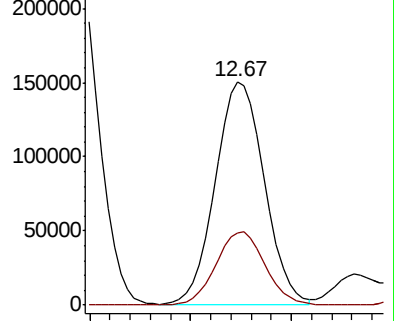
91 100

126 32.9 0.0 65.8



Abundance Ion 91.00 (90.70 to 91.70): VN055251.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN055251.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.307 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055251.D

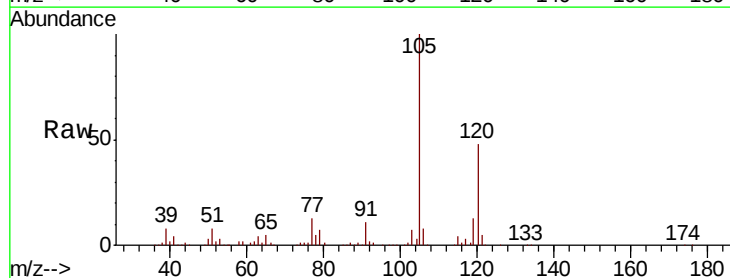
Acq: 25 Apr 2019 18:24

Tgt Ion:105 Resp: 304949

Ion Ratio Lower Upper

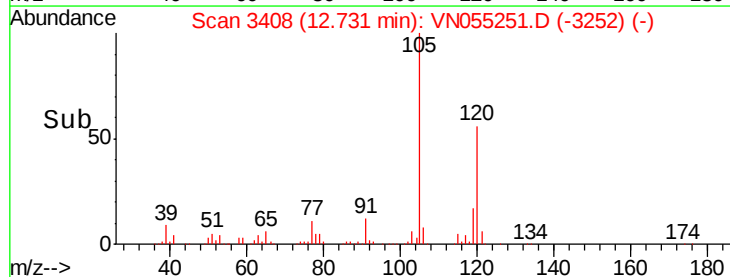
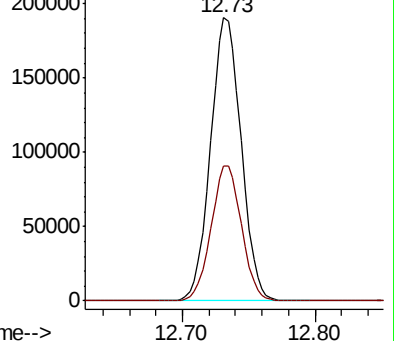
105 100

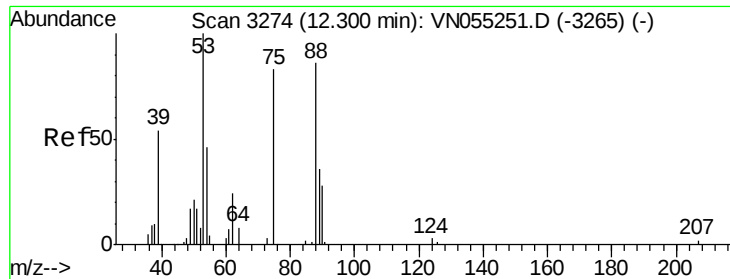
120 47.4 0.0 94.8



Abundance Ion 105.00 (104.70 to 105.70): VN055251.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN055251.D (-3393) (-)

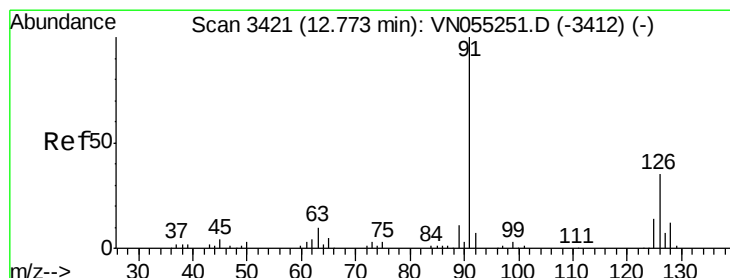
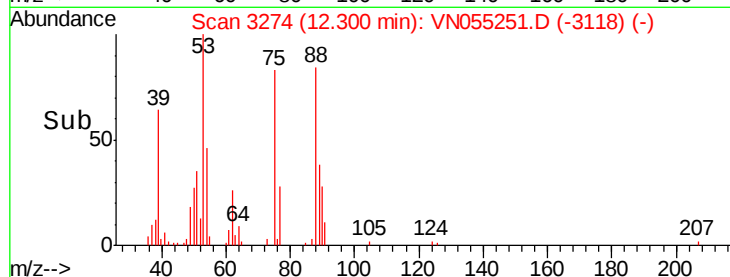
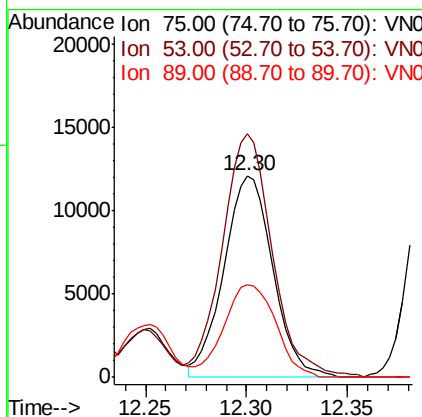
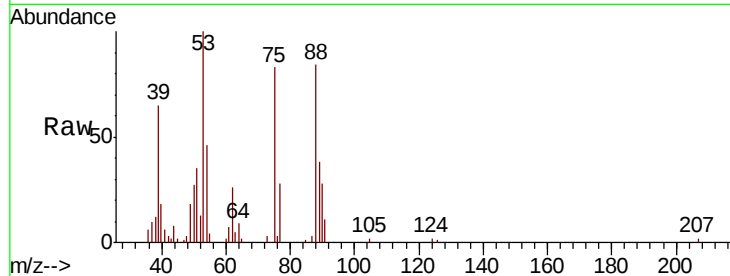




#77
t-1,4-Dichloro-2-butene
Concen: 21.802 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

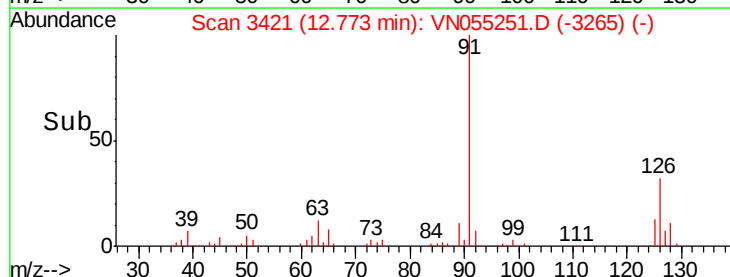
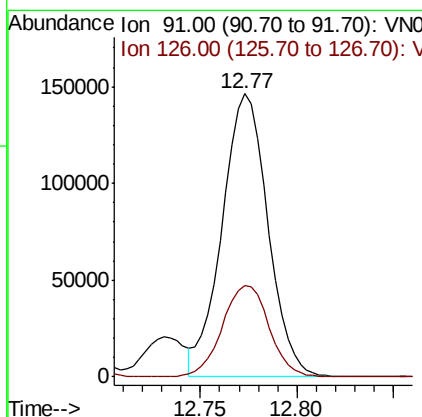
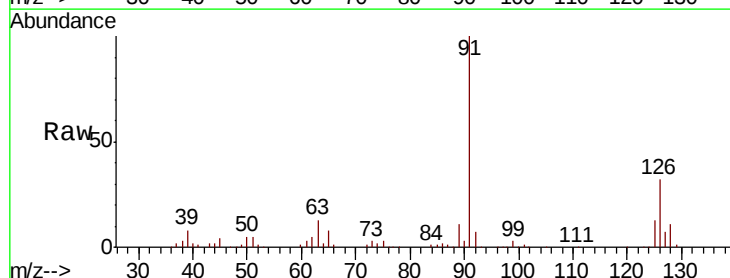
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

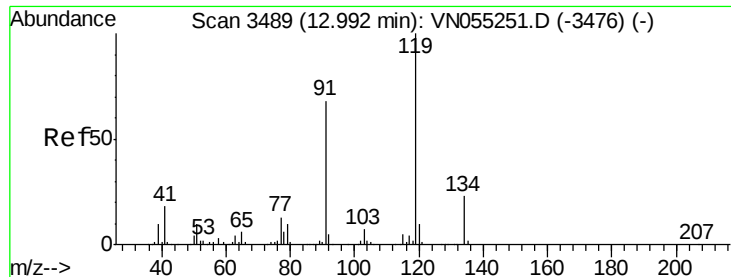
Tot Ion: 75 Resp: 20570
Ion Ratio Lower Upper
75 100
53 119.0 59.5 178.5
89 46.1 23.1 69.2



#78
4-Chlorotoluene
Concen: 19.964 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 91 Resp: 239473
Ion Ratio Lower Upper
91 100
126 33.4 0.0 66.8

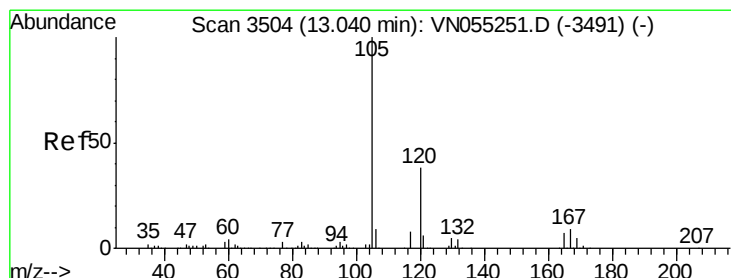
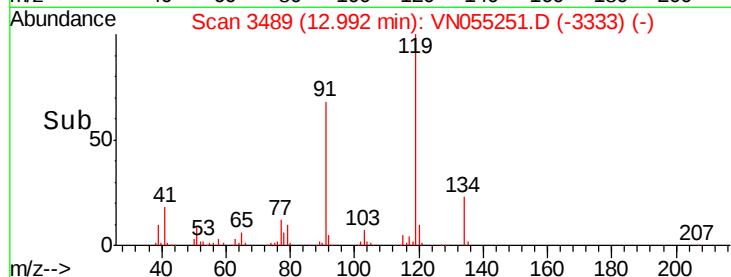
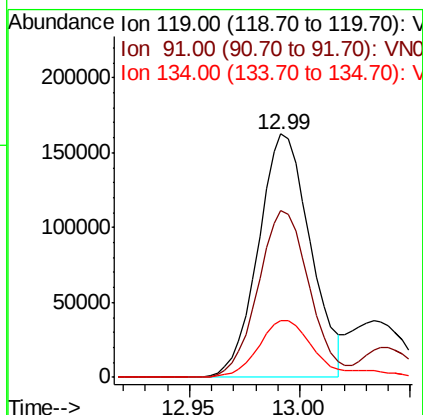
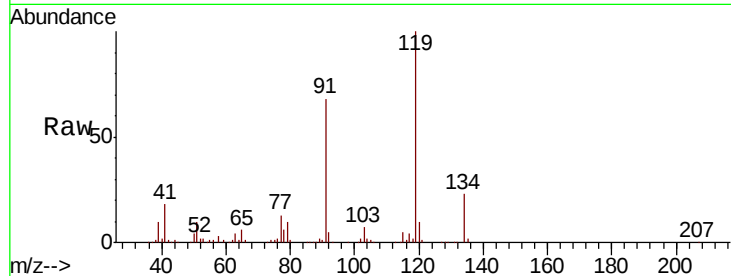




#79
tert-butylbenzene
Concen: 20.397 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

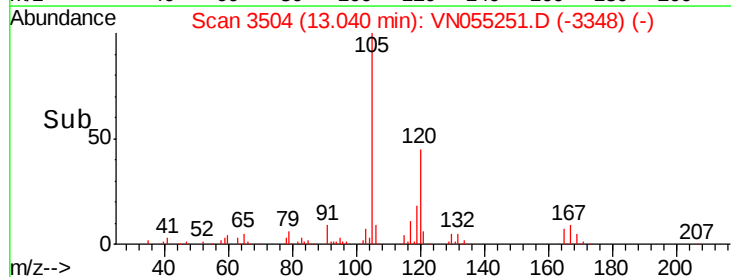
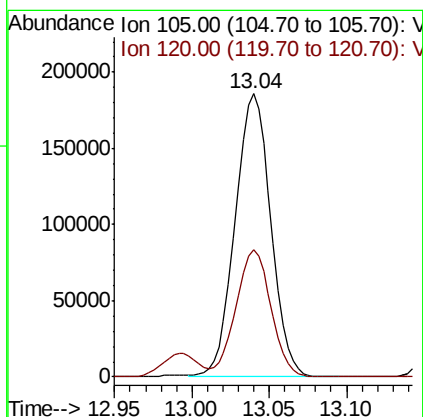
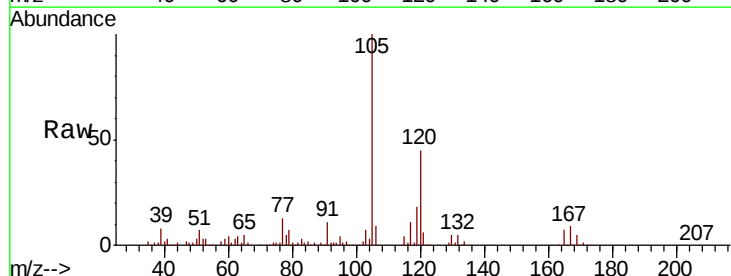
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

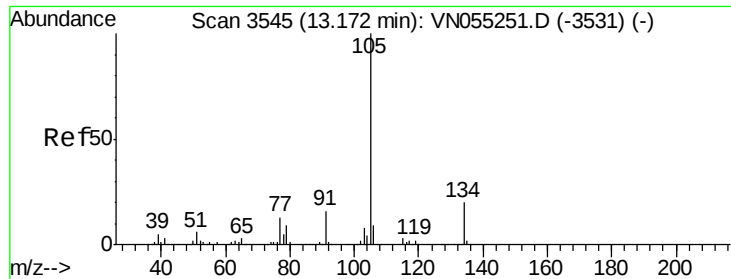
Tot Ion:119 Resp: 265672
Ion Ratio Lower Upper
119 100
91 67.8 0.0 135.6
134 23.9 0.0 47.8



#80
1,2,4-Trimethylbenzene
Concen: 20.114 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion:105 Resp: 297964
Ion Ratio Lower Upper
105 100
120 44.3 0.0 88.6

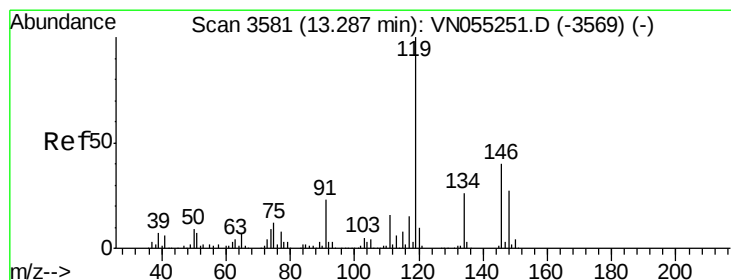
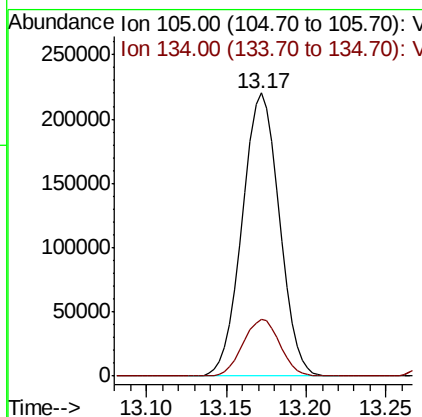
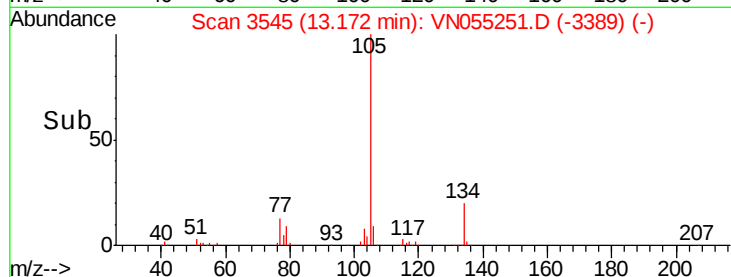
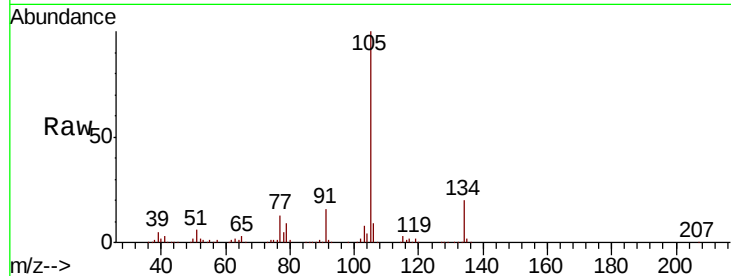




#81
 sec-Butylbenzene
 Concen: 20.127 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

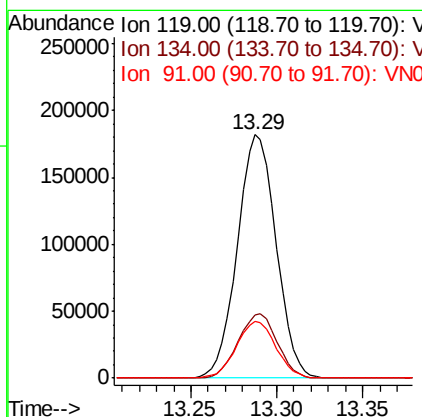
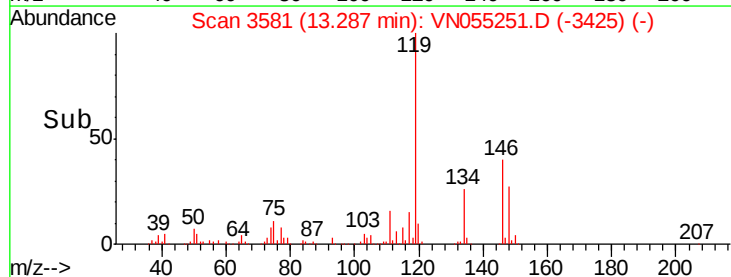
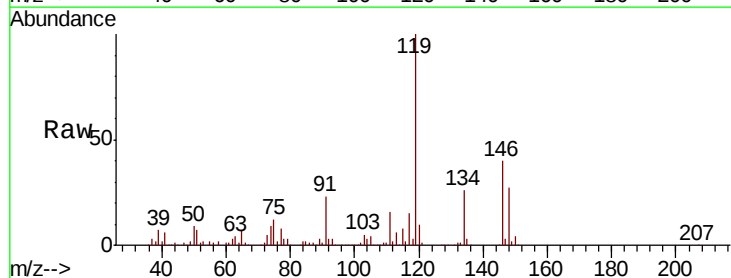
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

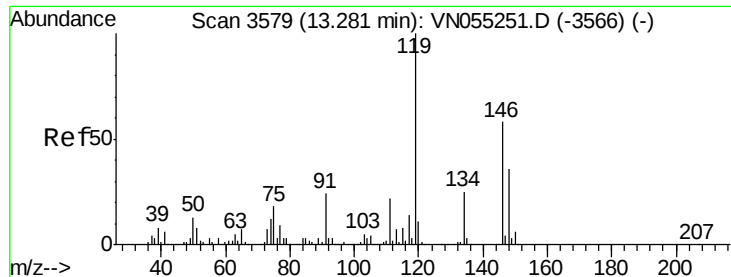
Tot Ion:105 Resp: 348613
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 19.575 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion:119 Resp: 284485
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 53.2
 91 23.8 0.0 47.6

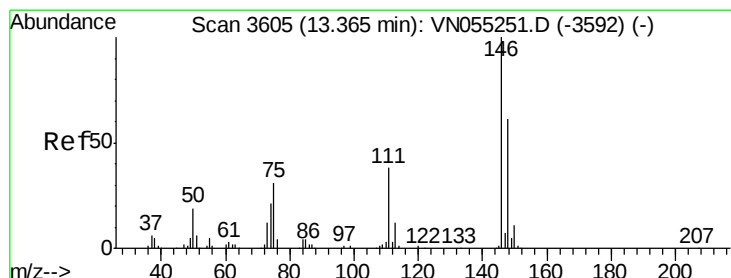
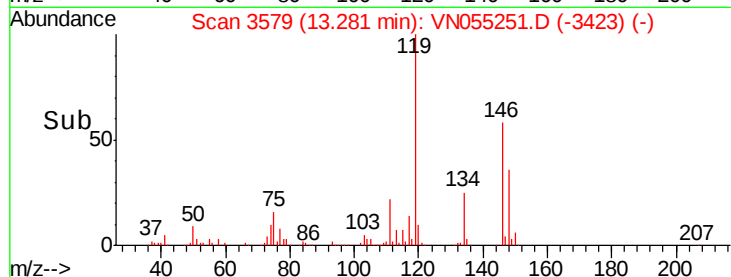
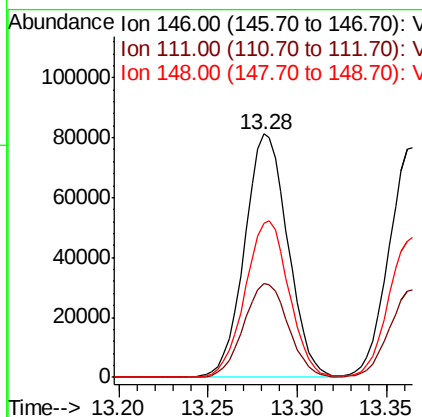
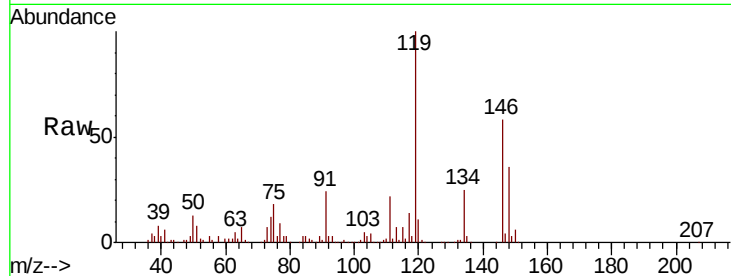




#83
 1,3-Dichlorobenzene
 Concen: 18.823 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

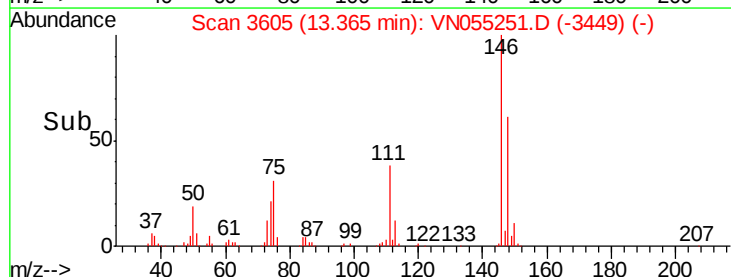
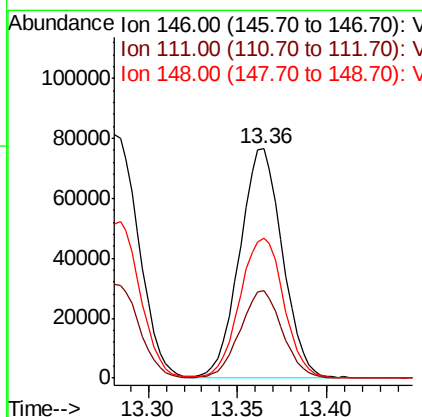
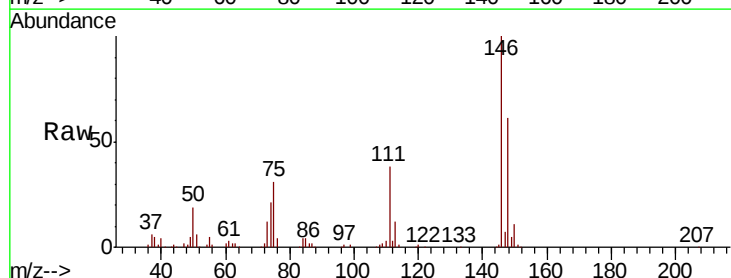
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

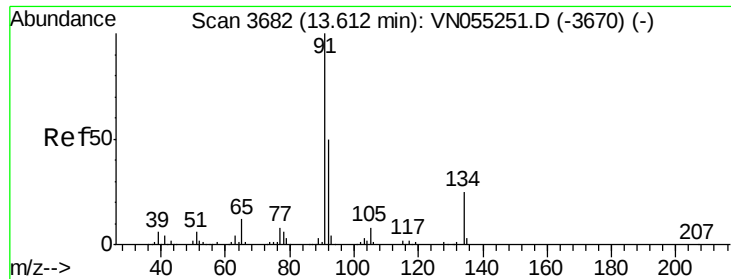
Tot Ion:146 Resp: 137121
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.9 59.7
 148 65.5 32.8 98.3



#84
 1,4-Dichlorobenzene
 Concen: 18.507 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion:146 Resp: 128162
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.9 56.5
 148 62.9 31.4 94.3

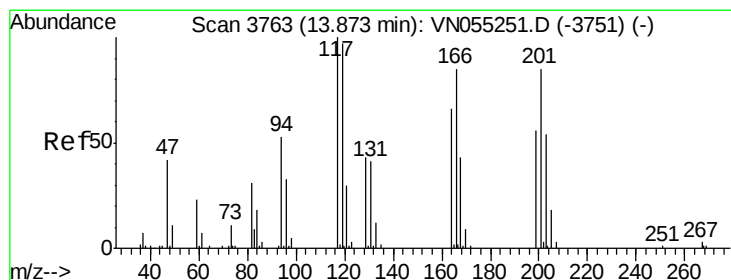
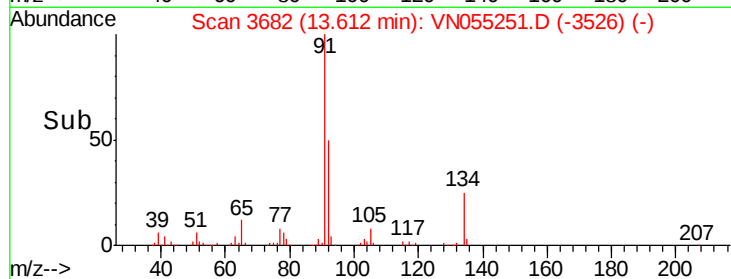
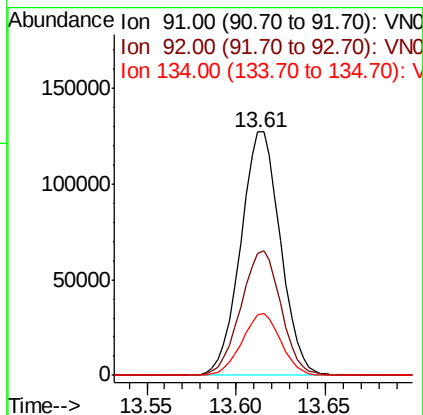
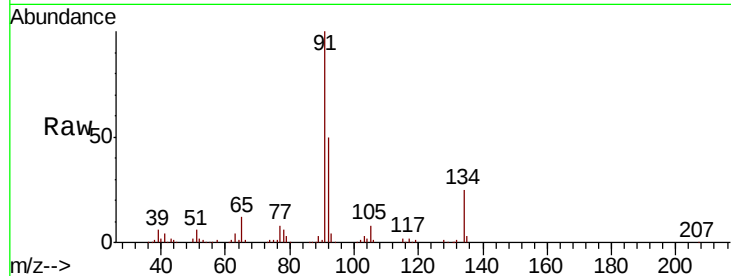




#85
n-Butylbenzene
Concen: 17.347 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

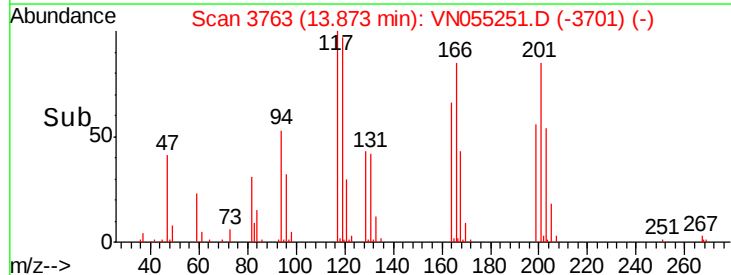
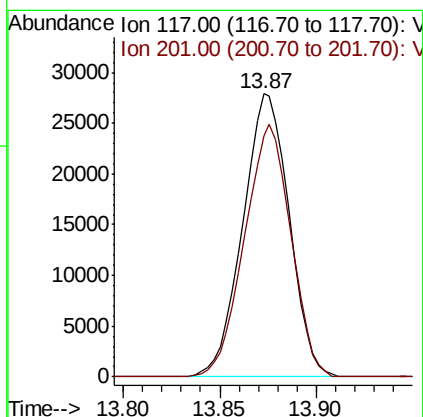
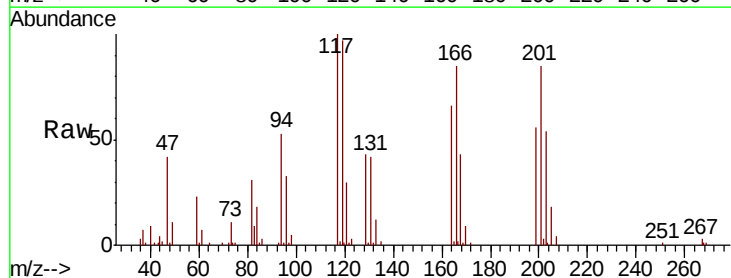
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

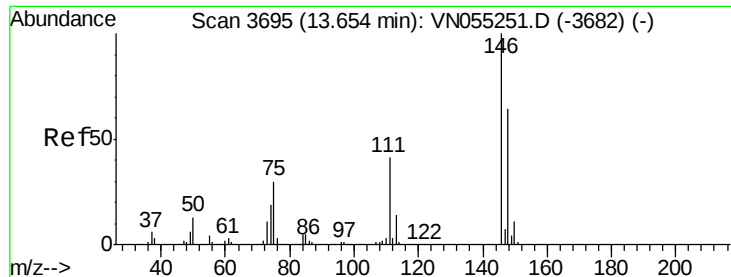
Tot Ion: 91 Resp: 198532
Ion Ratio Lower Upper
91 100
92 51.4 0.0 102.8
134 25.0 0.0 50.0



#86
Hexachloroethane
Concen: 19.684 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055251.D
Acq: 25 Apr 2019 18:24

Tgt Ion: 117 Resp: 46512
Ion Ratio Lower Upper
117 100
201 89.1 44.5 133.7

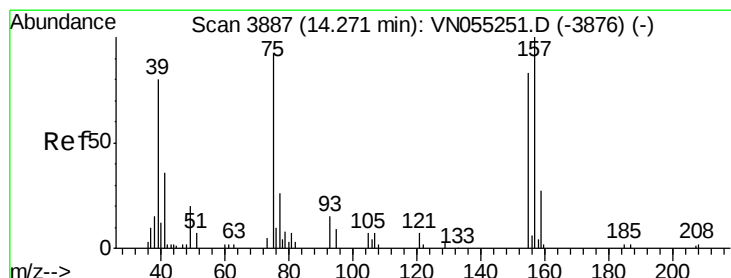
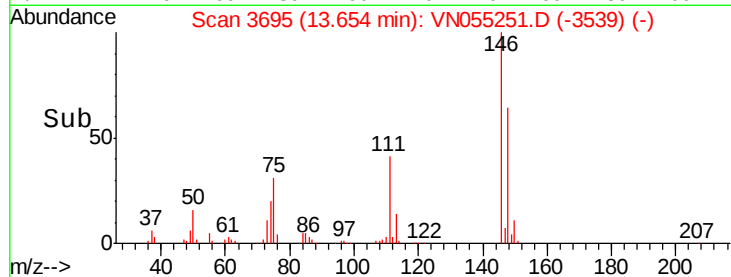
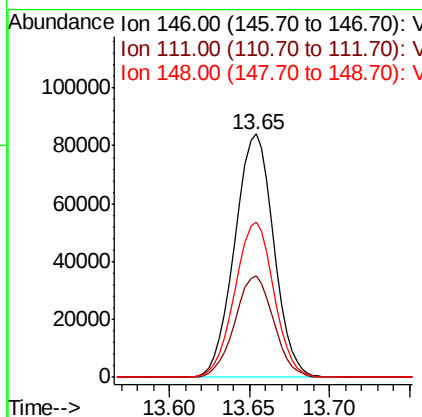
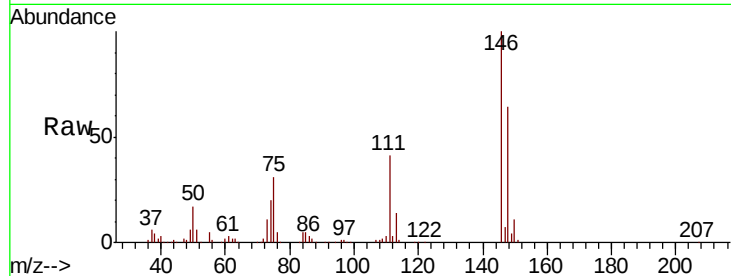




#87
 1,2-Dichlorobenzene
 Concen: 19.511 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

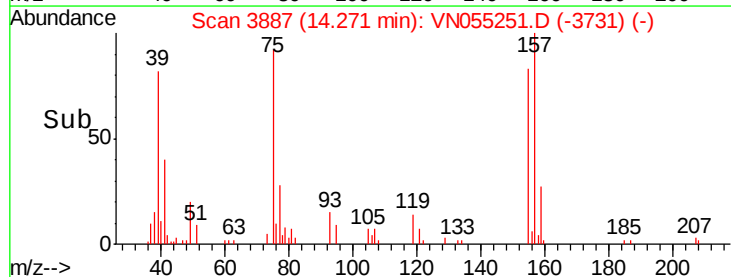
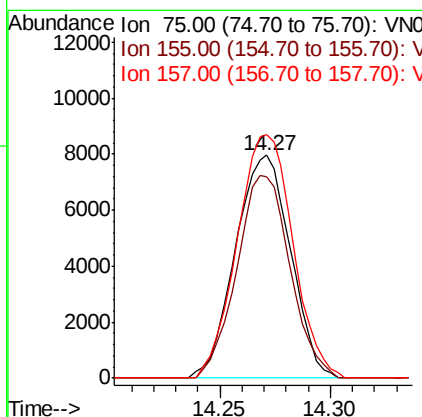
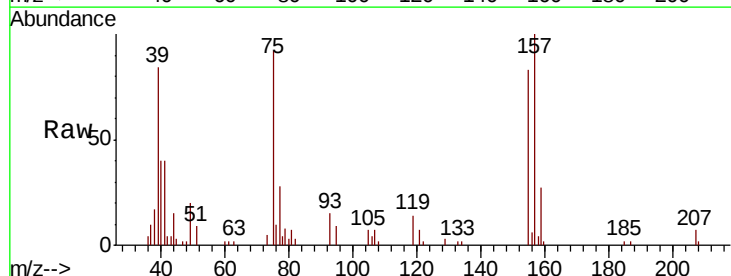
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

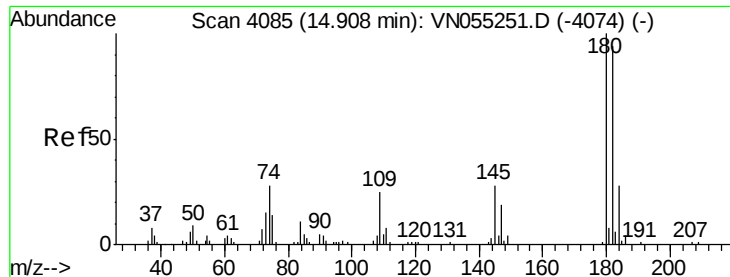
Tot Ion:146 Resp: 140002
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 63.7 31.9 95.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.137 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN055251.D
 Acq: 25 Apr 2019 18:24

Tgt Ion: 75 Resp: 13785
 Ion Ratio Lower Upper
 75 100
 155 88.0 70.4 105.6
 157 110.6 88.5 132.7





#89

1,2,4-Trichlorobenzene

Concen: 14.438 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

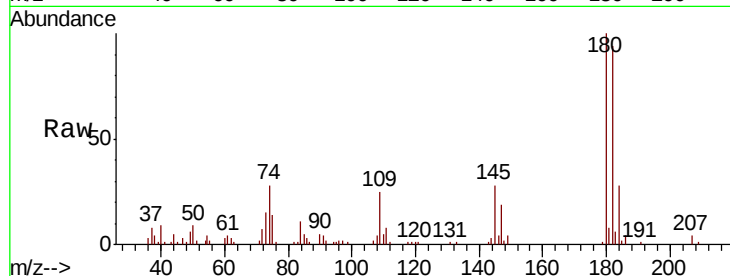
Tot Ion:180 Resp: 45229

Ion Ratio Lower Upper

180 100

182 93.5 74.8 112.2

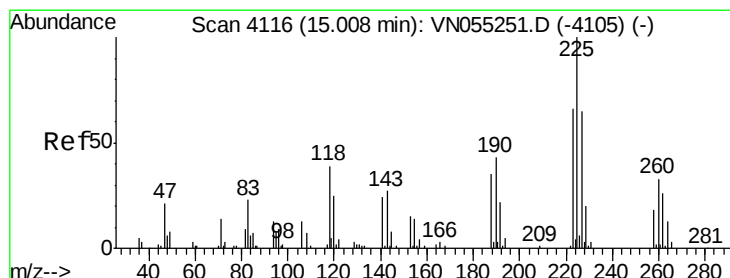
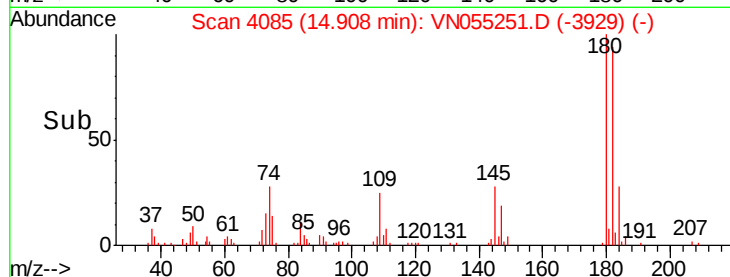
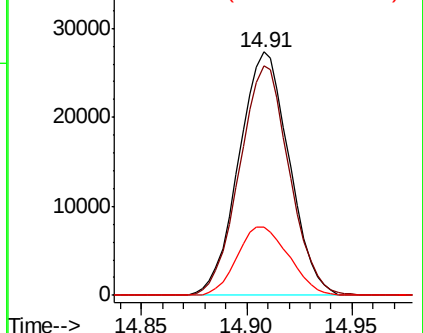
145 29.0 23.2 34.8



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



#90

Hexachlorobutadiene

Concen: 20.320 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

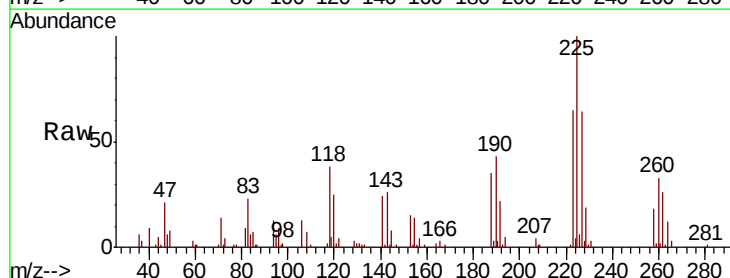
Tgt Ion:225 Resp: 47256

Ion Ratio Lower Upper

225 100

223 62.6 0.0 125.2

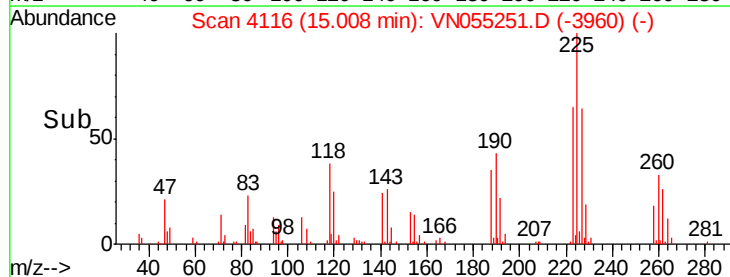
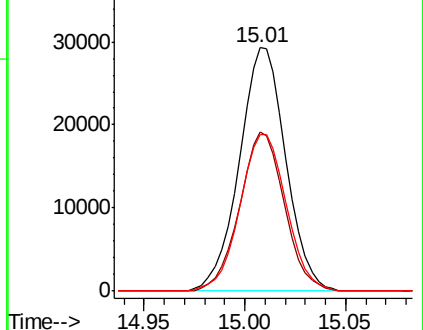
227 64.2 0.0 128.4

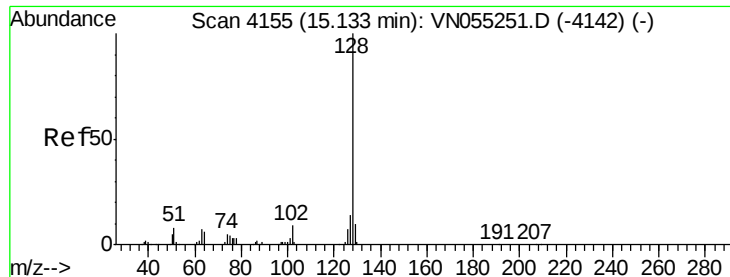


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 14.707 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

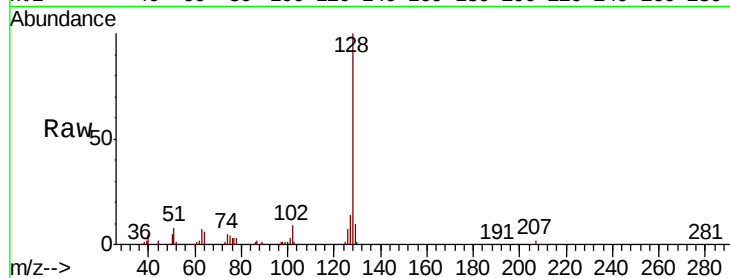
Tot Ion:128 Resp: 98315

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

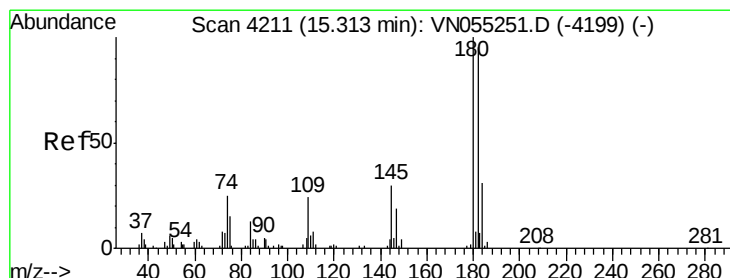
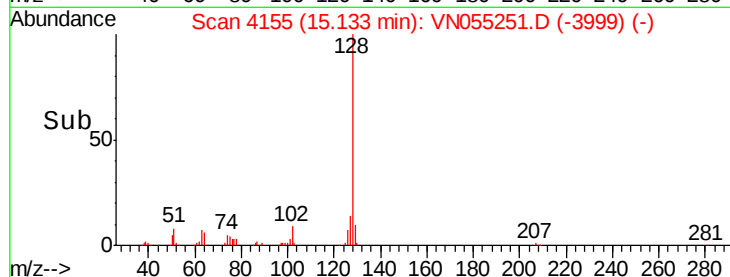
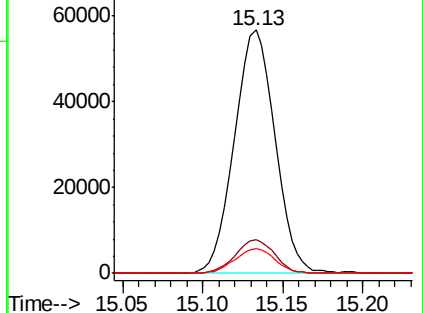
129 10.0 8.0 12.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.830 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055251.D

Acq: 25 Apr 2019 18:24

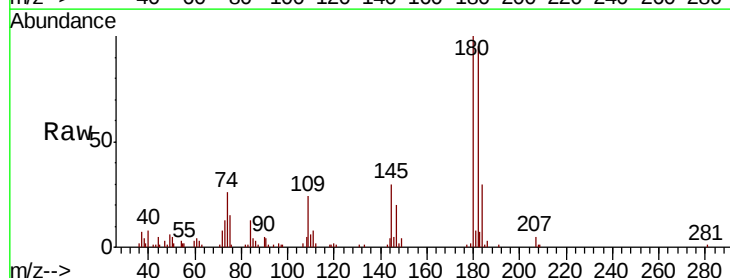
Tgt Ion:180 Resp: 49920

Ion Ratio Lower Upper

180 100

182 94.0 0.0 188.0

145 30.0 0.0 60.0



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

