

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052742.D
 Acq On : 10 Dec 2018 9:50
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Dec 11 00:46:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	184872	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1080205	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	960672	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	366255	29.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.93%
60) 4-Bromofluorobenzene	12.40	95	443245	30.18	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.60%
63) Toluene-d8	10.09	98	1295340	29.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	198184	18.823	ug/l 99
3) Chloromethane	2.06	50	252421	18.077	ug/l 97
4) Vinyl Chloride	2.19	62	263012	18.662	ug/l 98
5) Bromomethane	2.57	94	142531	17.737	ug/l 99
6) Chloroethane	2.71	64	161038	19.214	ug/l 97
7) Trichlorofluoromethane	3.02	101	349651	20.102	ug/l 99
8) Diethyl Ether	3.41	74	132439	20.621	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	224515	20.362	ug/l 96
10) 1,1-Dichloroethene	3.74	96	206713	19.939	ug/l 99
11) Methyl Iodide	3.96	142	207876	14.442	ug/l 99
12) Methyl Acetate	4.32	43	188577	21.408	ug/l 100
13) Acrolein	3.61	56	22384	21.633	ug/l 96
14) Acrylonitrile	4.99	53	385368	102.677	ug/l 99
15) Acetone	3.82	58	92854	95.529	ug/l 100
16) Carbon Disulfide	4.06	76	612672	18.666	ug/l 100
17) Allyl chloride	4.33	41	333067	18.422	ug/l 97
18) Methylene Chloride	4.55	84	238623	19.879	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	222767	19.967	ug/l 95
20) Diisopropyl ether	5.95	45	756448	19.909	ug/l 97
21) 1,1-Dichloroethane	5.85	63	430144	19.863	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	258964	20.253	ug/l 100
23) tert-Butyl Alcohol	4.77	59	54837	98.217	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	584517	21.492	ug/l 98
25) Chloroform	7.37	83	422767	20.236	ug/l 99
26) Cyclohexane	7.65	56	395522	19.365	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	330037	20.007	ug/l 99
30) 2-Butanone	6.83	43	435348	98.628	ug/l 99
31) 2,2-Dichloropropane	6.82	77	329128	21.673	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	351234	20.463	ug/l 98
33) Carbon Tetrachloride	7.77	117	305484	20.341	ug/l 100
34) Benzene	8.04	78	979452	19.749	ug/l 98
35) Methacrylonitrile	7.17	41	118721	21.678	ug/l 97
36) 1,2-Dichloroethane	8.12	62	301603	20.068	ug/l 99
37) Trichloroethene	8.83	130	266342	21.178	ug/l 97
38) Methylcyclohexane	9.08	83	407355	19.949	ug/l 97
39) 1,2-Dichloropropane	9.12	63	260946	19.628	ug/l 97
40) Dibromomethane	9.21	93	149545	20.816	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	319671	20.140	ug/l	98
42) Vinyl Acetate	5.90	43	2241718	93.864	ug/l	98
43) Ethyl Acetate	6.93	43	192329	20.491	ug/l #	70
44) Isopropyl Acetate	8.16	43	351384	21.346	ug/l	96
45) 1,4-Dioxane	9.20	88	30333	336.835	ug/l	96
46) Methyl methacrylate	9.20	41	177486	20.766	ug/l	97
47) n-amyl Acetate	12.07	43	308242	22.584	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	318652	20.705	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	378376	20.179	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	213320	20.947	ug/l	99
51) Ethyl methacrylate	10.43	69	272552	21.310	ug/l	97
52) 1,3-Dichloropropane	10.71	76	367490	20.274	ug/l	100
53) Dibromochloromethane	10.90	129	235213	20.979	ug/l	97
54) 1,2-Dibromoethane	11.00	107	211121	21.216	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	825762	110.297	ug/l	98
56) Bromoform	12.13	173	158944	21.689	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	979662	105.188	ug/l	98
59) 2-Hexanone	10.75	43	712507	111.992	ug/l	99
61) Tetrachloroethene	10.63	164	286840	24.243	ug/l	98
62) Toluene	10.16	91	1059360	20.003	ug/l	99
64) Chlorobenzene	11.43	112	662547	20.497	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	237270	21.147	ug/l	98
66) Ethyl Benzene	11.51	91	1153237	20.205	ug/l	99
67) m/p-Xylenes	11.62	106	876372	41.213	ug/l	98
68) o-Xylene	11.95	106	425570	20.619	ug/l	99
69) Styrene	11.96	104	690484	20.727	ug/l	100
70) Isopropylbenzene	12.25	105	1147100	20.889	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	241460	20.213	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	316046	30.820	ug/l	47
73) Bromobenzene	12.53	156	282064	21.237	ug/l	97
74) n-propylbenzene	12.59	91	1320785	20.642	ug/l	99
75) 2-Chlorotoluene	12.67	91	760911	20.488	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	931643	21.004	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	68132	21.033	ug/l	97
78) 4-Chlorotoluene	12.77	91	778024	20.978	ug/l	99
79) tert-butylbenzene	12.99	119	826945	21.408	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	937040	21.113	ug/l	99
81) sec-Butylbenzene	13.17	105	1129118	20.986	ug/l	99
82) p-Isopropyltoluene	13.29	119	982556	21.446	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	508914	21.787	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	496372	21.994	ug/l	99
85) n-Butylbenzene	13.62	91	836607	21.259	ug/l	99
86) Hexachloroethane	13.88	117	156632	20.178	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	491641	22.117	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	38997	23.306	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	282918	25.833	ug/l	99
90) Hexachlorobutadiene	15.01	225	162536	22.624	ug/l	99
91) Naphthalene	15.13	128	590619	26.706	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	255699	25.335	ug/l	98

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QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

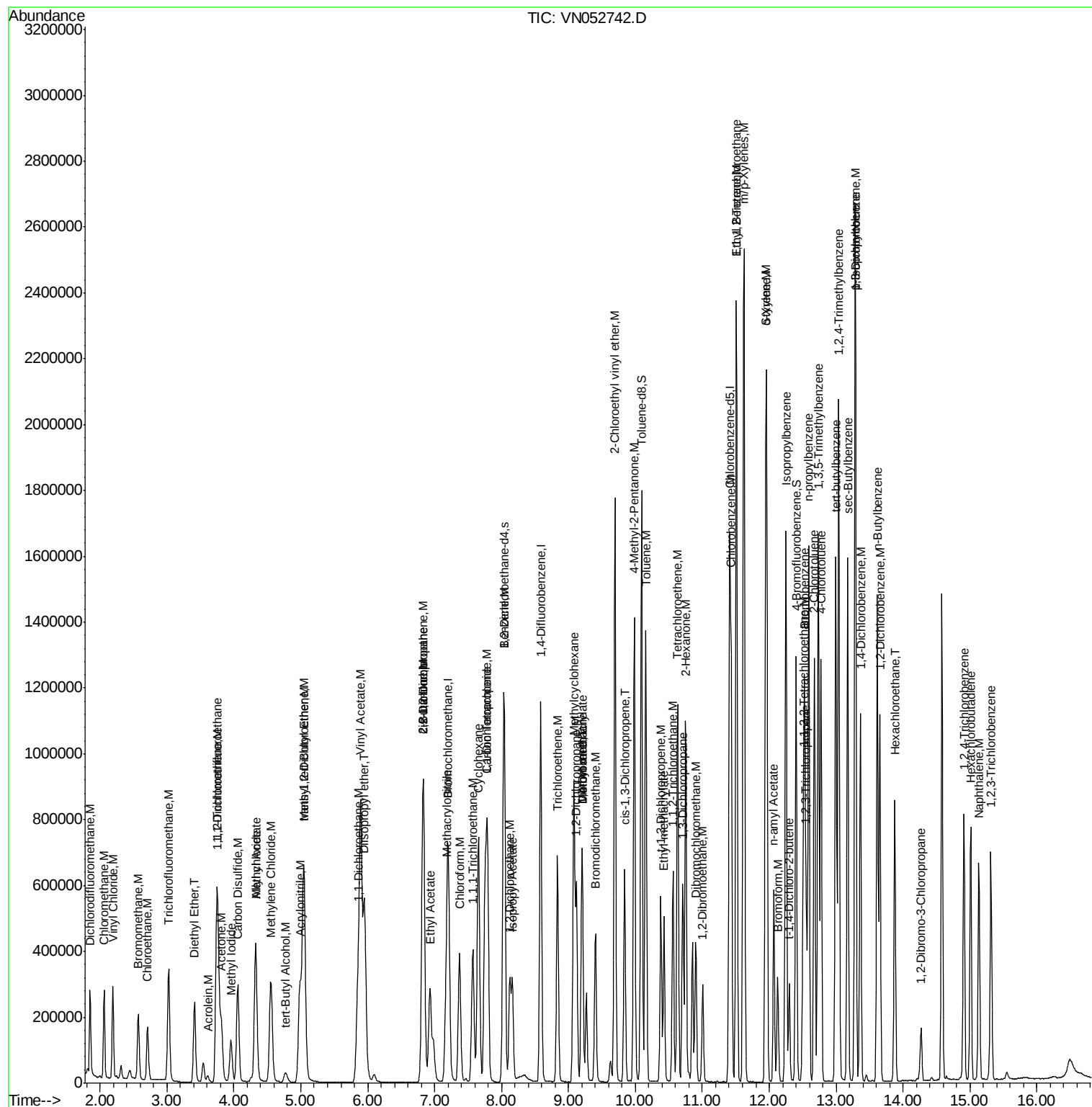
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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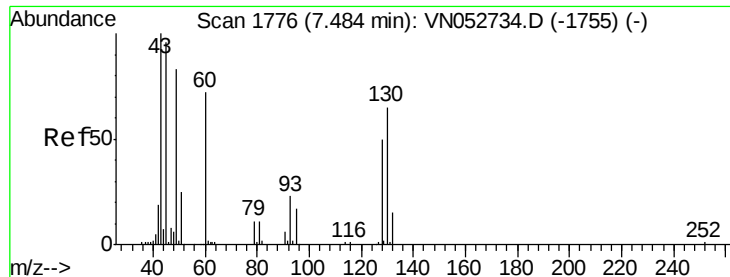
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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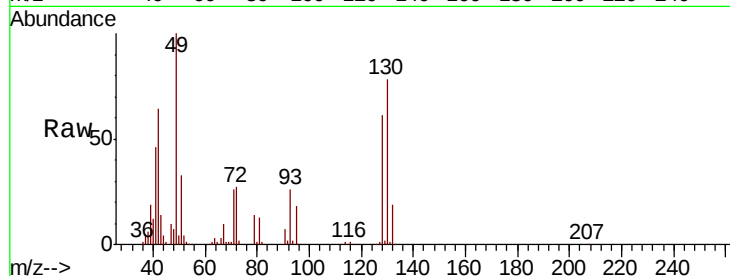




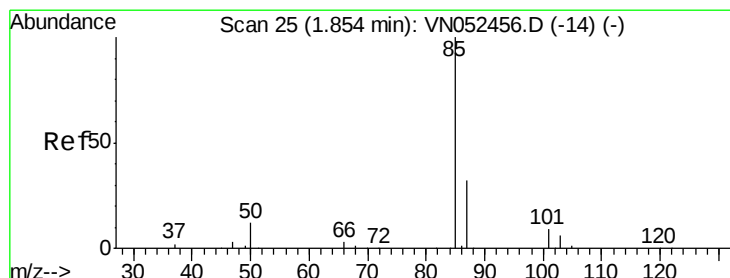
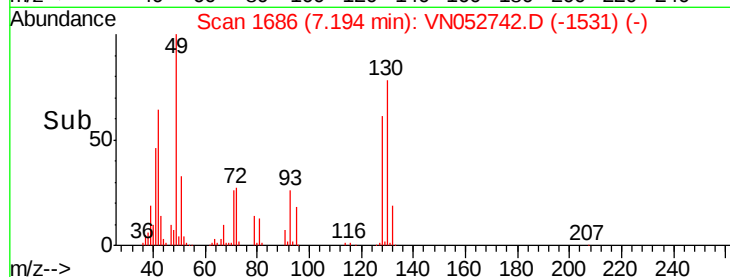
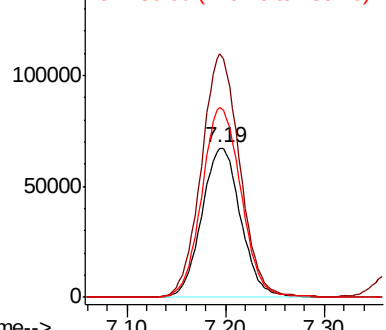
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:128 Resp: 184872
 Ion Ratio Lower Upper
 128 100
 49 160.8 0.0 431.8
 130 127.7 0.0 317.0

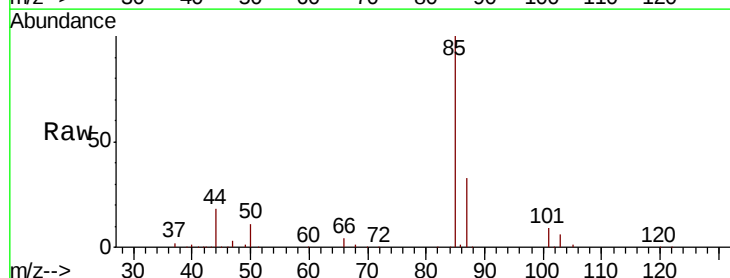


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

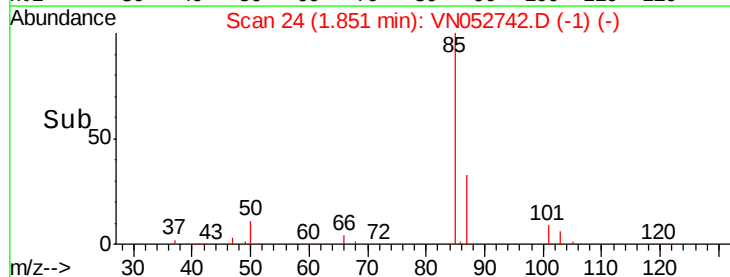
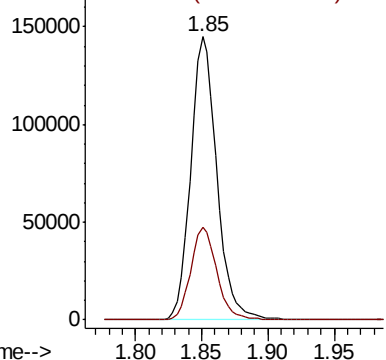


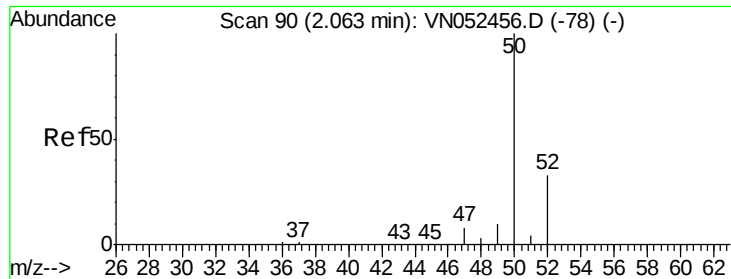
#2
 Dichlorodifluoromethane
 Concen: 18.823 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion: 85 Resp: 198184
 Ion Ratio Lower Upper
 85 100
 87 32.6 16.1 48.3



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





#3

Chloromethane

Concen: 18.077 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

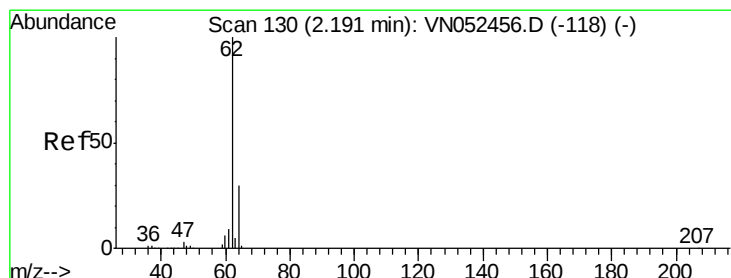
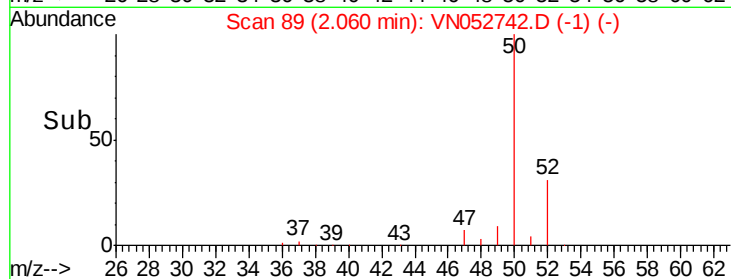
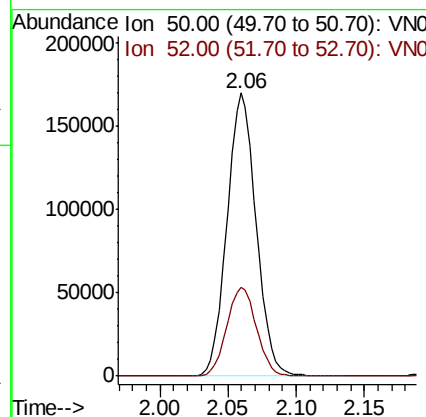
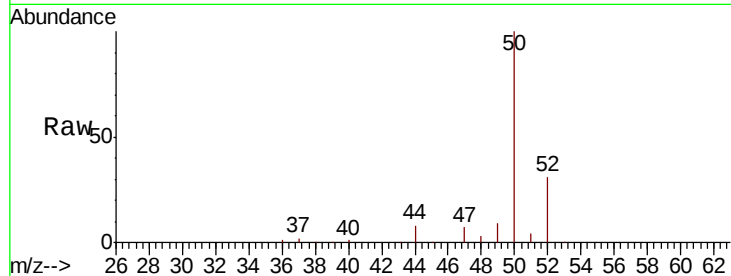
VSTDCCC020

Tot Ion: 50 Resp: 252421

Ion Ratio Lower Upper

50 100

52 31.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.662 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052742.D

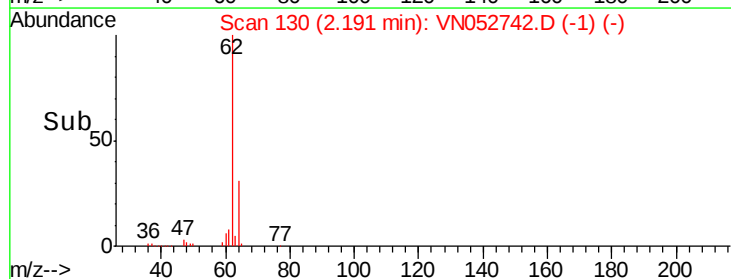
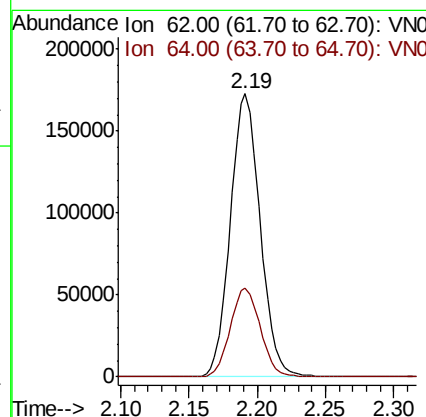
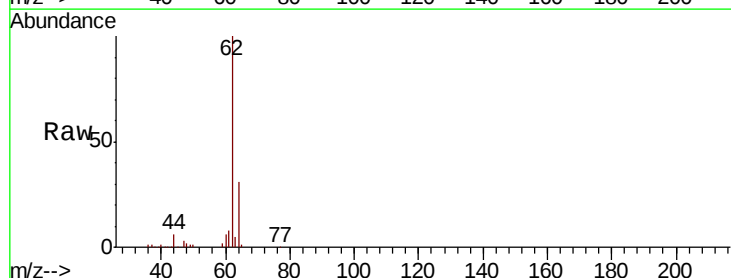
Acq: 10 Dec 2018 9:50

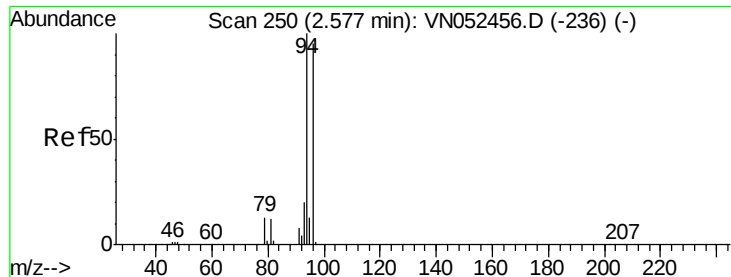
Tgt Ion: 62 Resp: 263012

Ion Ratio Lower Upper

62 100

64 31.4 24.2 36.4





#5

Bromomethane

Concen: 17.737 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.01 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

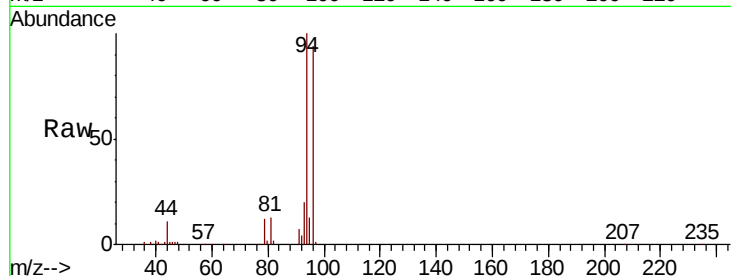
VSTDCCC020

Tot Ion: 94 Resp: 142531

Ion Ratio Lower Upper

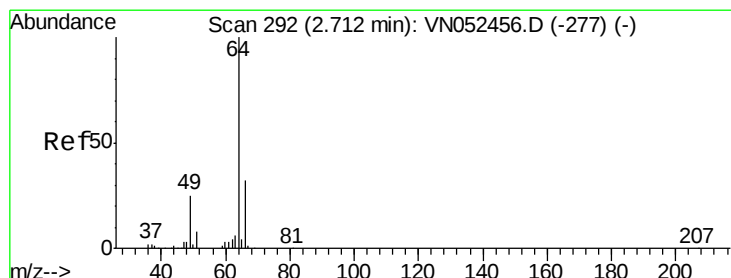
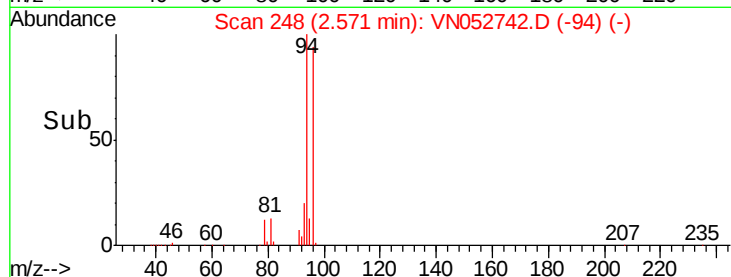
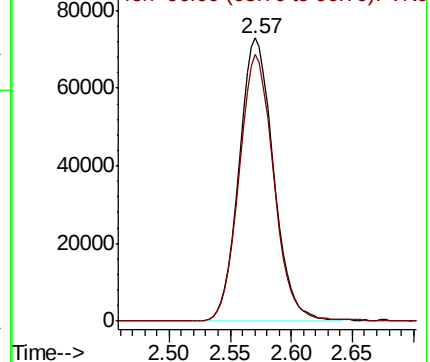
94 100

96 94.1 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.214 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052742.D

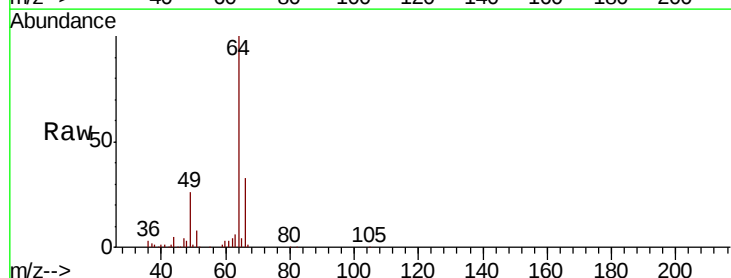
Acq: 10 Dec 2018 9:50

Tgt Ion: 64 Resp: 161038

Ion Ratio Lower Upper

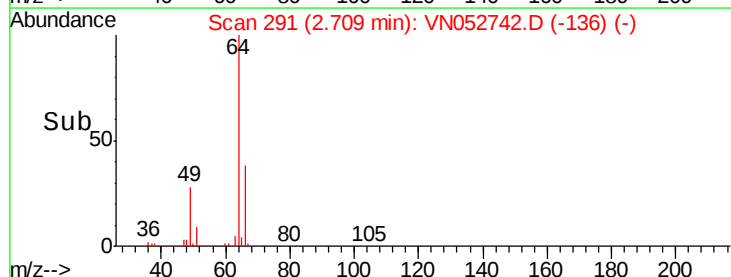
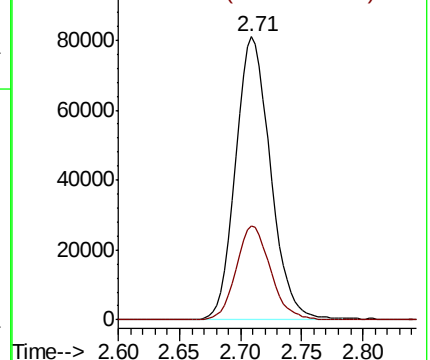
64 100

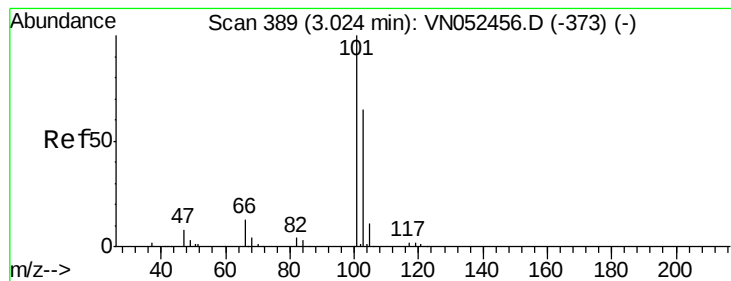
66 33.4 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



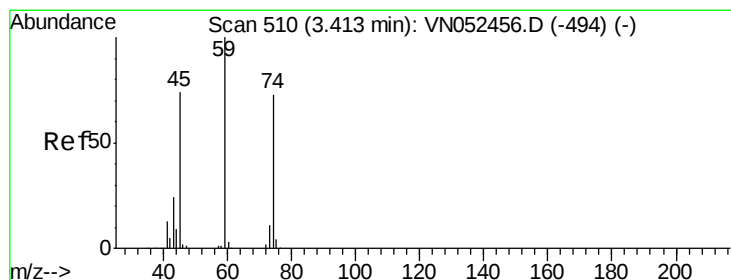
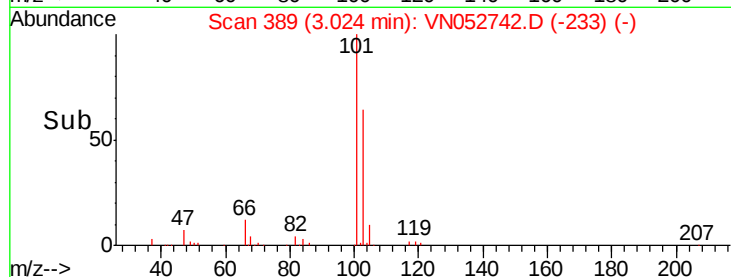
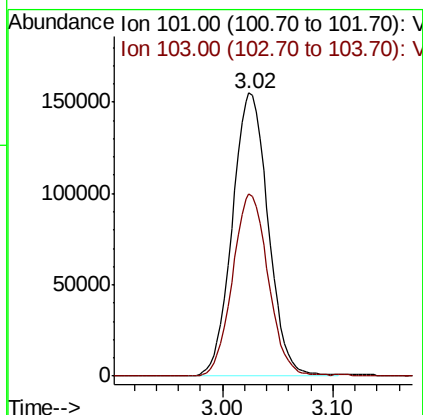
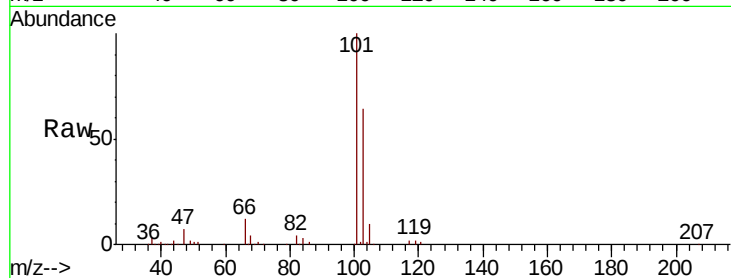


#7

Trichlorofluoromethane
 Concen: 20.102 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
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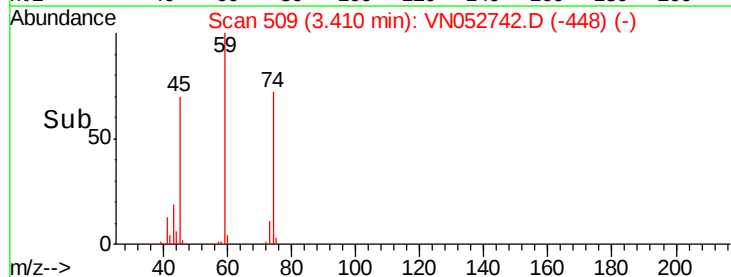
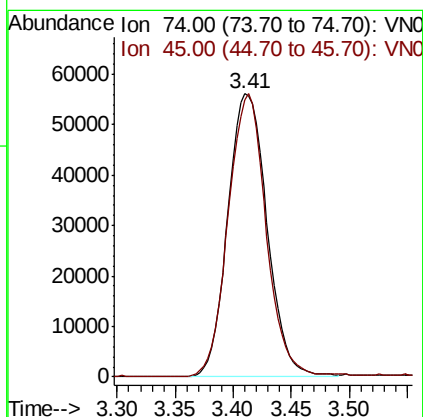
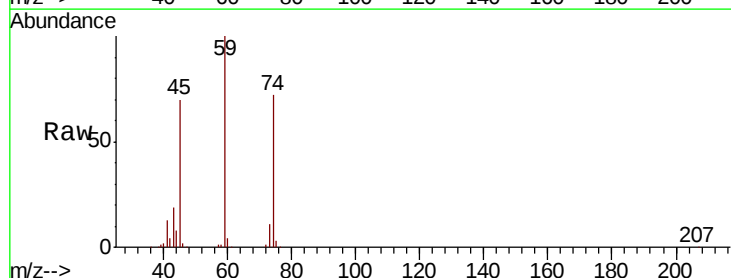
Tot Ion:101 Resp: 349651
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.1 78.1

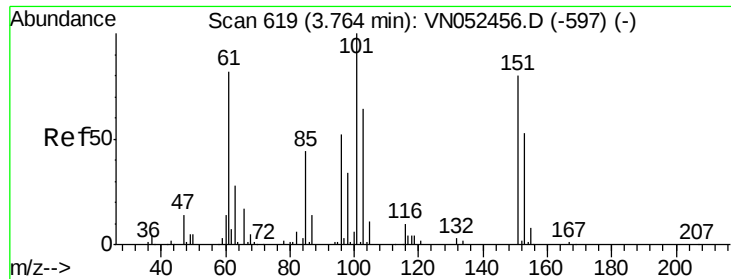


#8

Diethyl Ether
 Concen: 20.621 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion: 74 Resp: 132439
 Ion Ratio Lower Upper
 74 100
 45 96.8 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.362 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

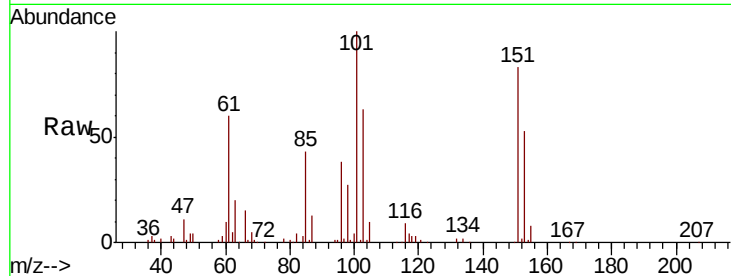
Tot Ion:101 Resp: 224515

Ion Ratio Lower Upper

101 100

85 43.0 0.0 82.6

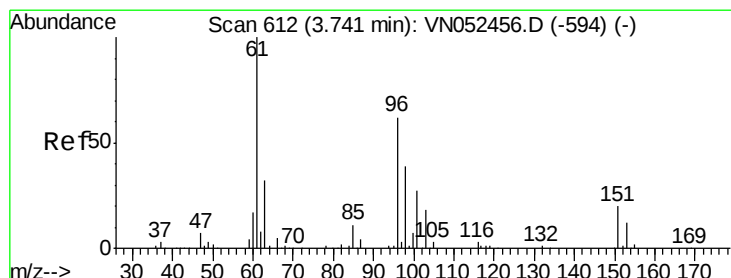
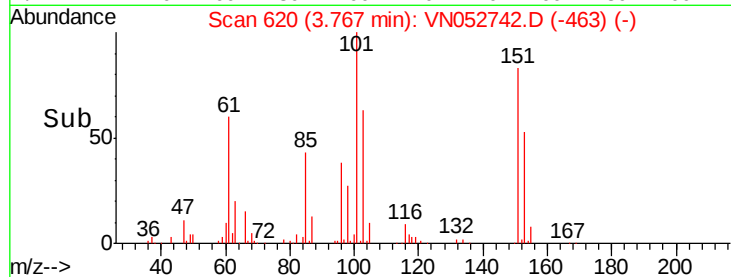
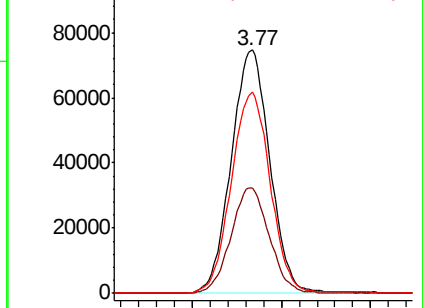
151 83.1 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.939 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

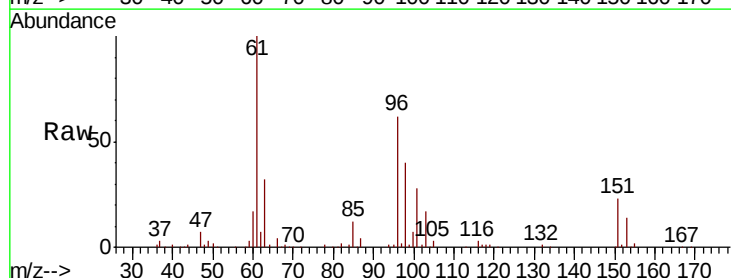
Tgt Ion: 96 Resp: 206713

Ion Ratio Lower Upper

96 100

61 161.7 129.4 194.2

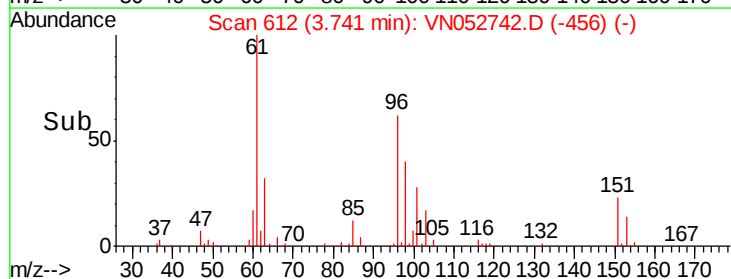
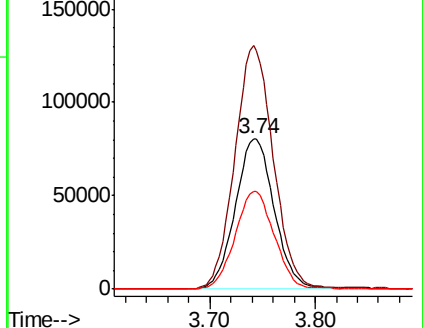
98 65.3 50.4 75.6

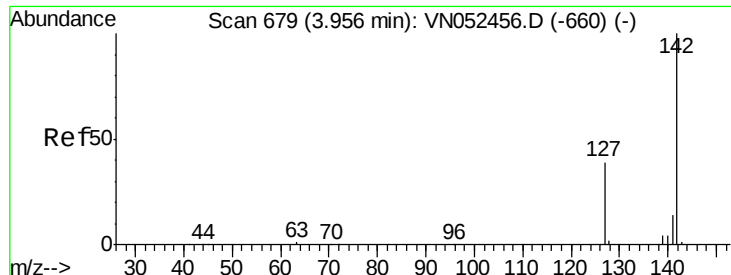


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

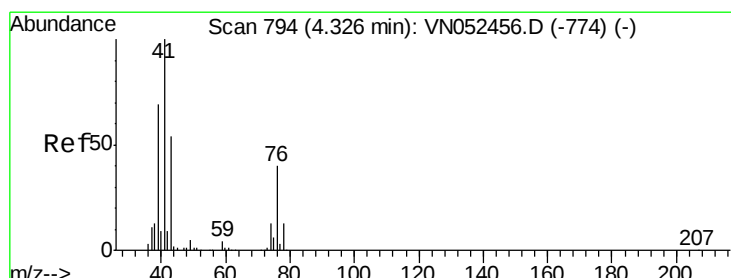
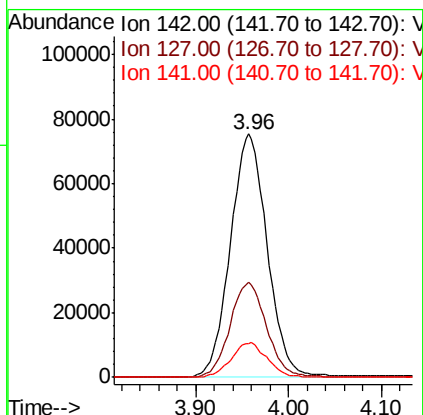
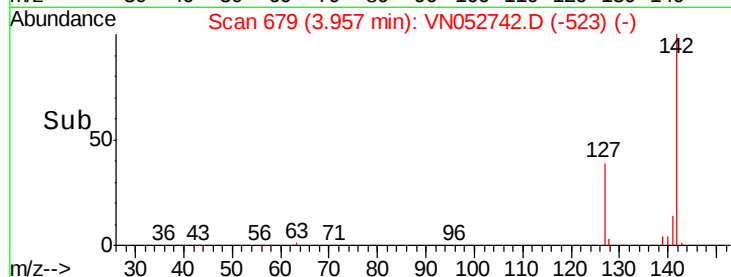
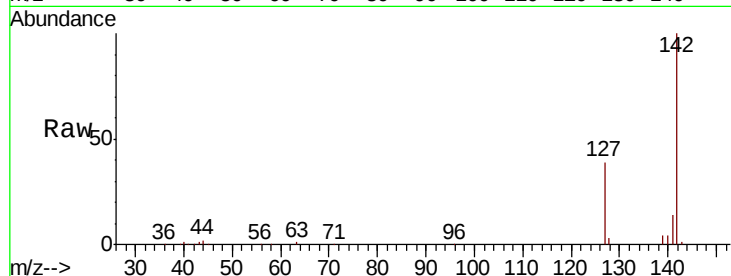




#11
Methvl Iodide
Concen: 14.442 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

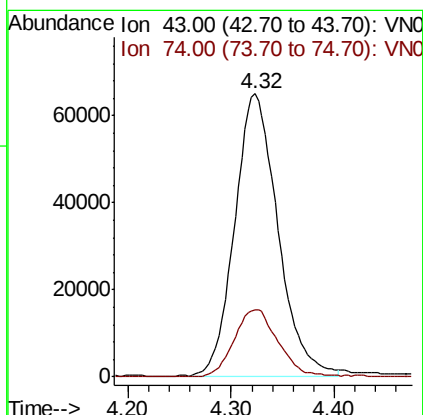
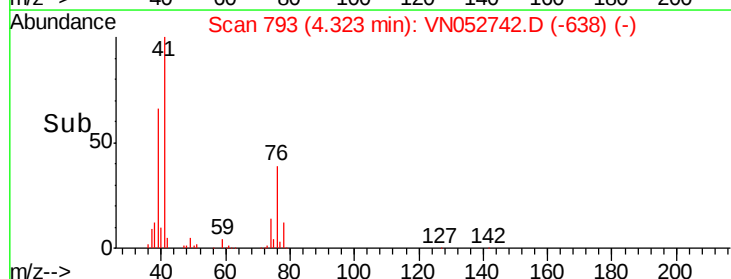
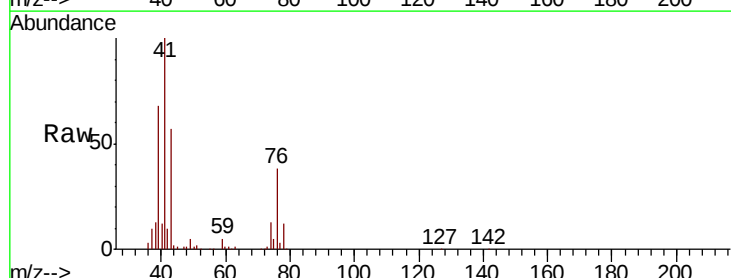
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

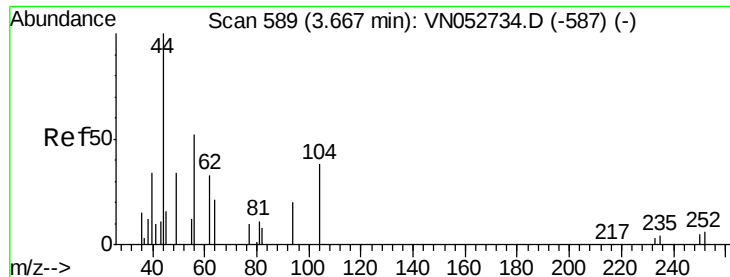
Tot Ion:142 Resp: 207876
Ion Ratio Lower Upper
142 100
127 39.0 19.4 58.1
141 14.2 7.2 21.6



#12
Methyl Acetate
Concen: 21.408 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 43 Resp: 188577
Ion Ratio Lower Upper
43 100
74 23.7 18.9 28.3





#13

Acrolein

Concen: 21.633 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

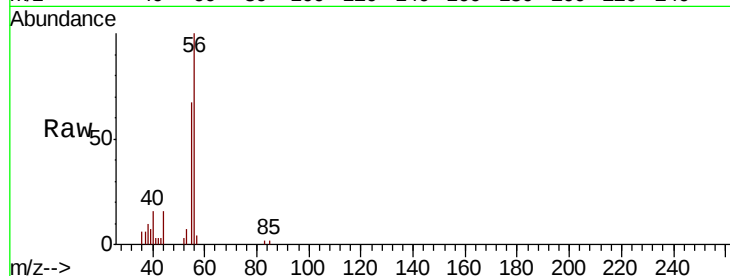
VSTDCCC020

Tot Ion: 56 Resp: 22384

Ion Ratio Lower Upper

56 100

55 74.5 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN052734.D (-587) (-)

Ion 55.00 (54.70 to 55.70): VN052734.D (-587) (-)

3.61

10000

8000

6000

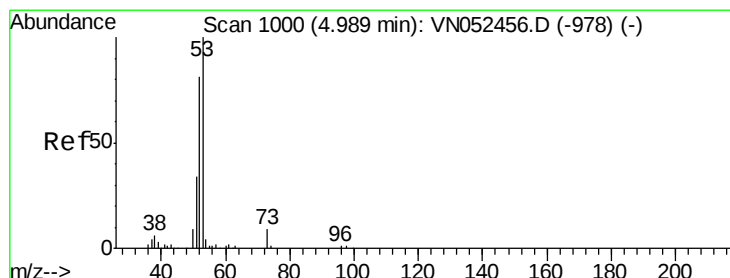
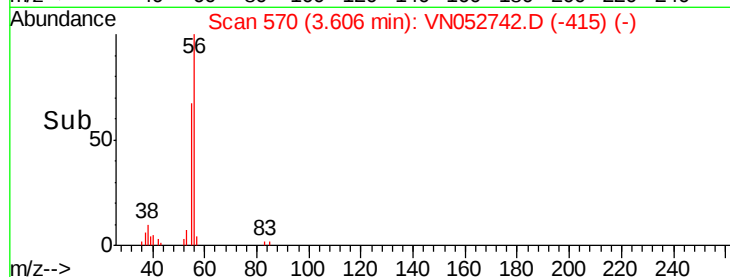
4000

2000

0

3.55 3.60 3.65 3.70

Time-->



#14

Acrylonitrile

Concen: 102.677 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

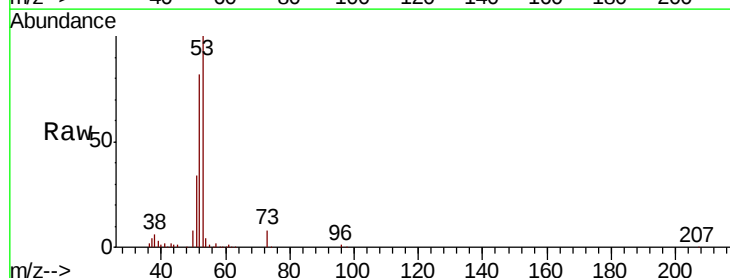
Tgt Ion: 53 Resp: 385368

Ion Ratio Lower Upper

53 100

52 81.3 39.9 119.7

51 35.6 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN052456.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN052456.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN052456.D (-978) (-)

4.99

150000

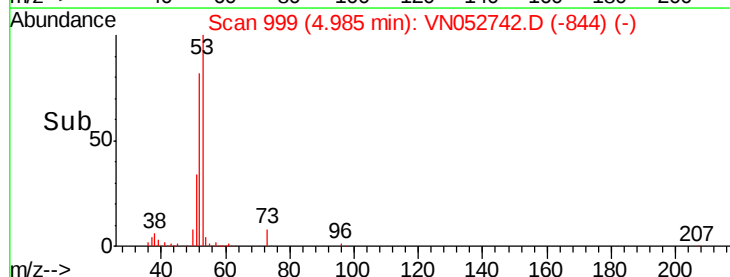
100000

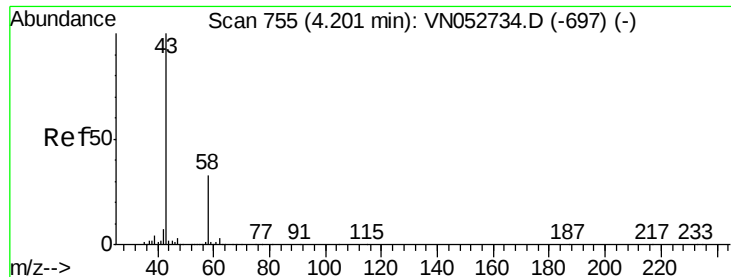
50000

0

4.90 5.00 5.10 5.20

Time-->





#15

Acetone

Concen: 95.529 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

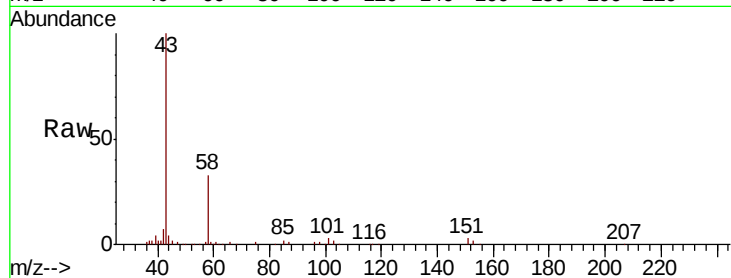
VSTDCCC020

Tot Ion: 58 Resp: 92854

Ion Ratio Lower Upper

58 100

43 305.3 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052734.D (-697) (-)

Ion 43.00 (42.70 to 43.70): VN052734.D (-697) (-)

120000

100000

80000

60000

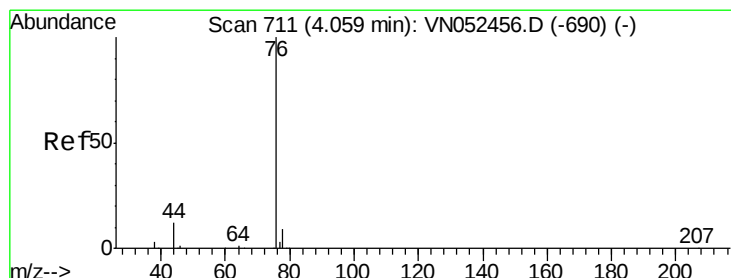
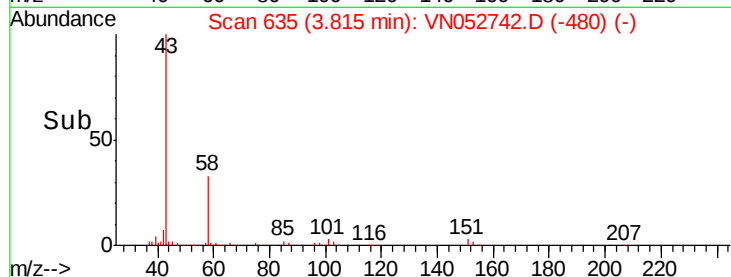
40000

20000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 18.666 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052742.D

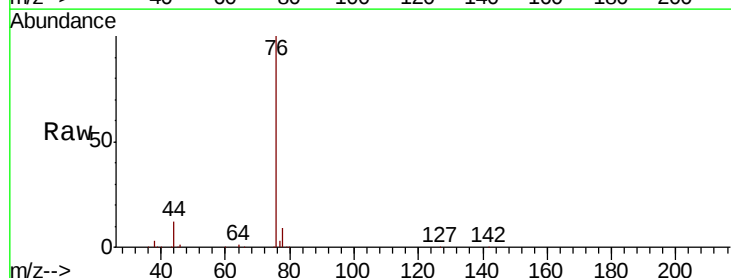
Acq: 10 Dec 2018 9:50

Tgt Ion: 76 Resp: 612672

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-690) (-)

250000

200000

150000

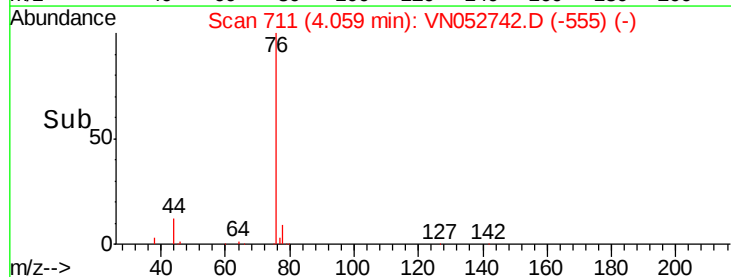
100000

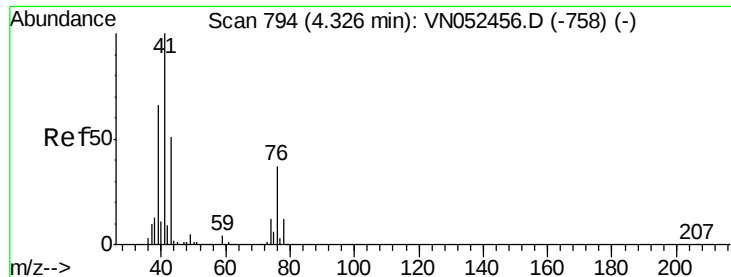
50000

0

3.90 4.00 4.10 4.20

Time-->

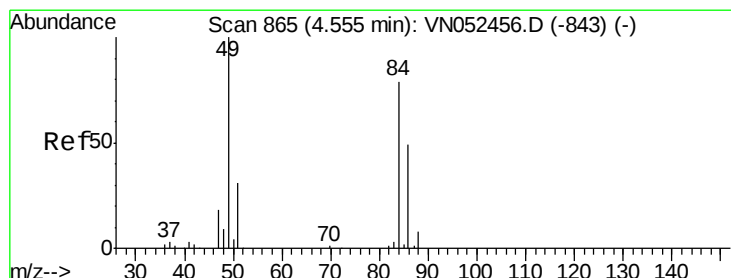
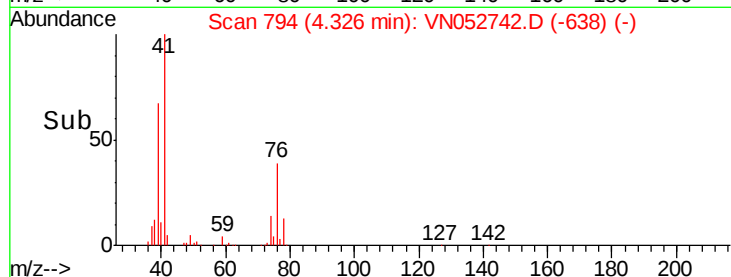
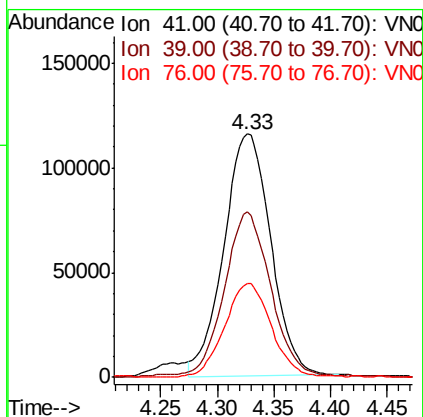
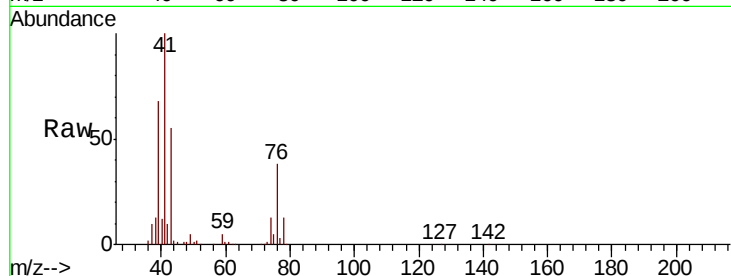




#17
Allvl chloride
Concen: 18.422 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

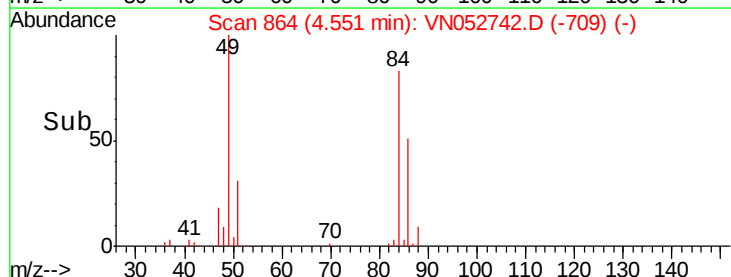
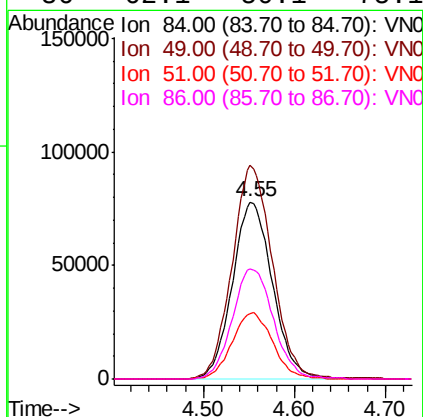
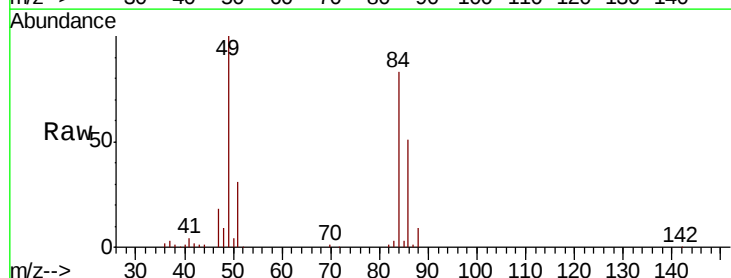
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

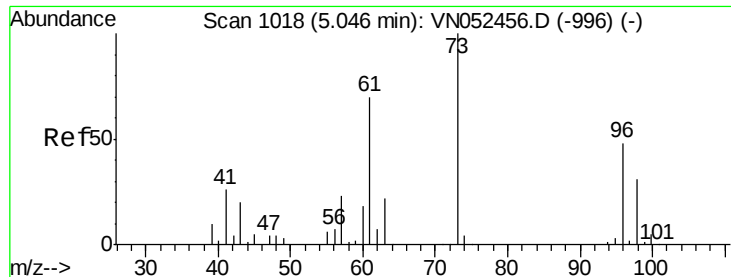
Tot Ion: 41 Resp: 333067
Ion Ratio Lower Upper
41 100
39 68.1 32.8 98.3
76 38.4 18.6 55.8



#18
Methylene Chloride
Concen: 19.879 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 84 Resp: 238623
Ion Ratio Lower Upper
84 100
49 120.5 101.4 152.0
51 37.1 31.7 47.5
86 62.1 50.1 75.1

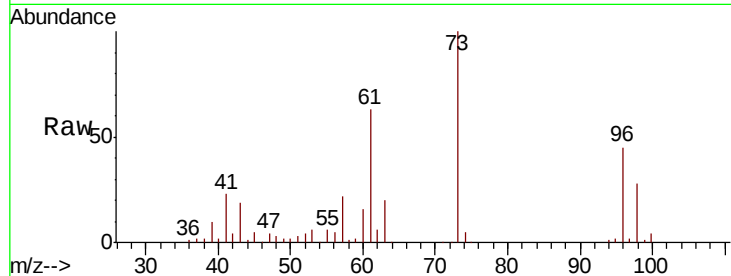




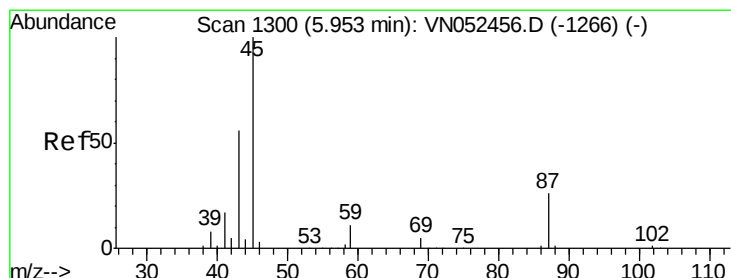
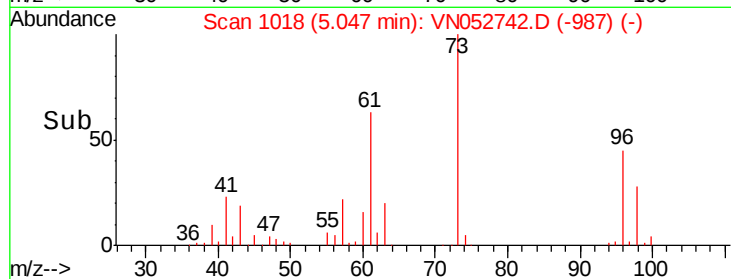
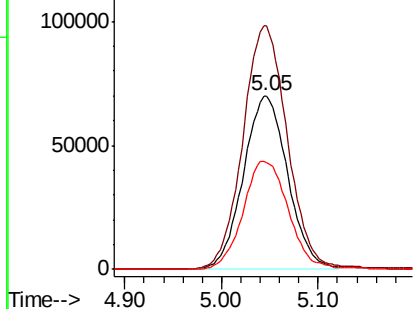
#19
trans-1,2-Dichloroethene
Concen: 19.967 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 96 Resp: 222767
Ion Ratio Lower Upper
96 100
61 140.1 118.2 177.4
98 61.7 51.4 77.2

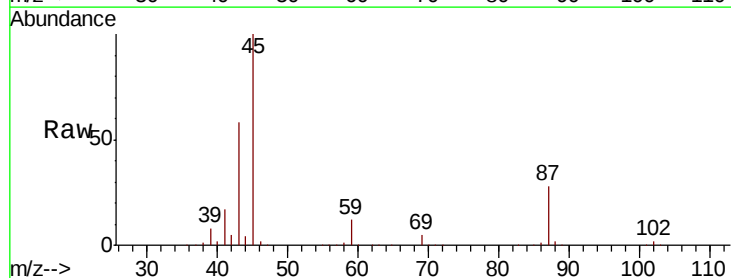


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

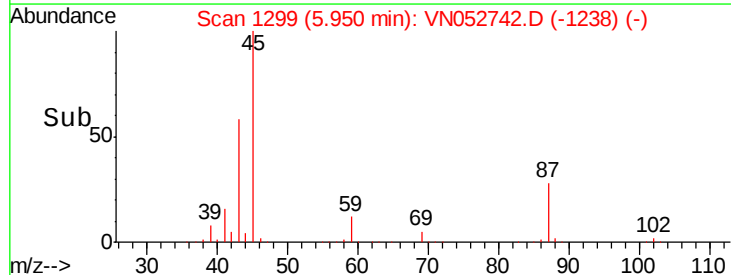
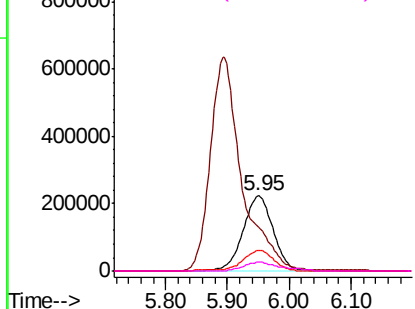


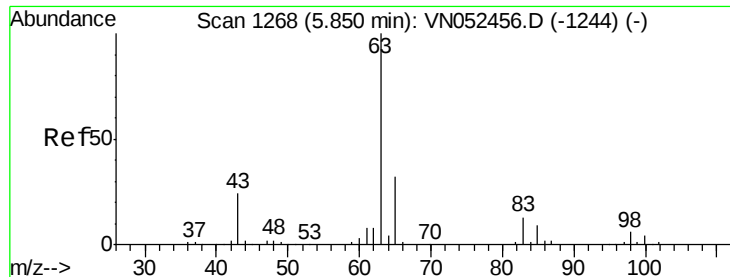
#20
Diisopropyl ether
Concen: 19.909 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 45 Resp: 756448
Ion Ratio Lower Upper
45 100
43 56.6 47.8 71.8
87 27.4 21.3 31.9
59 11.6 8.9 13.3



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

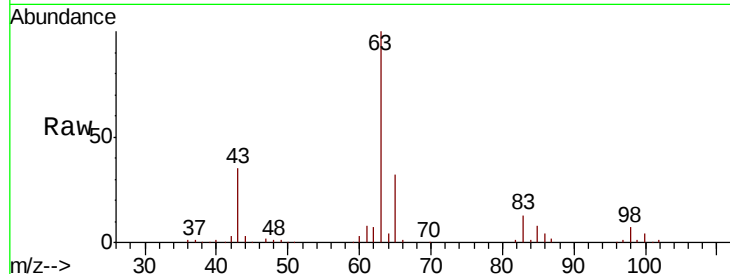




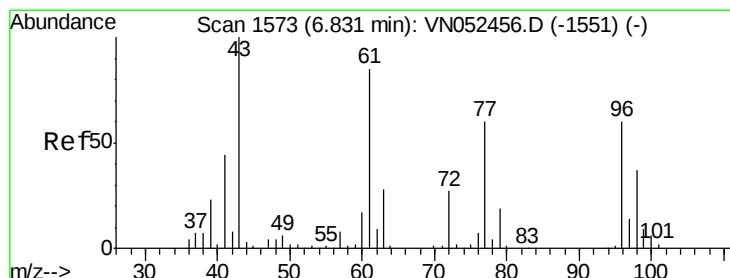
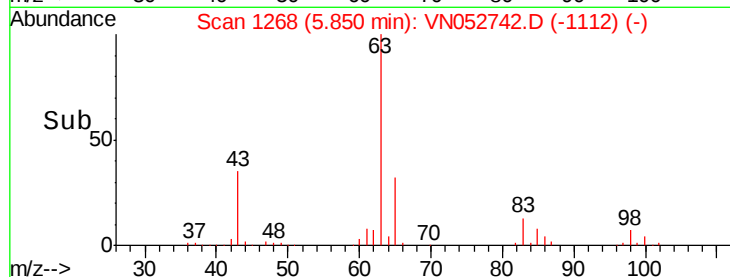
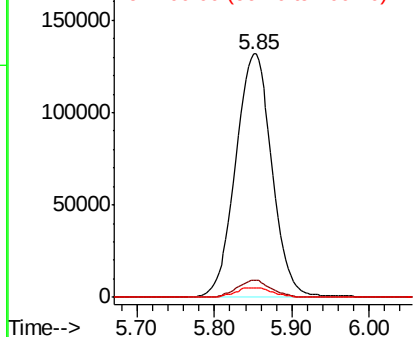
#21
 1,1-Dichloroethane
 Concen: 19.863 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 430144
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.0 9.2
 100 4.0 1.8 5.5

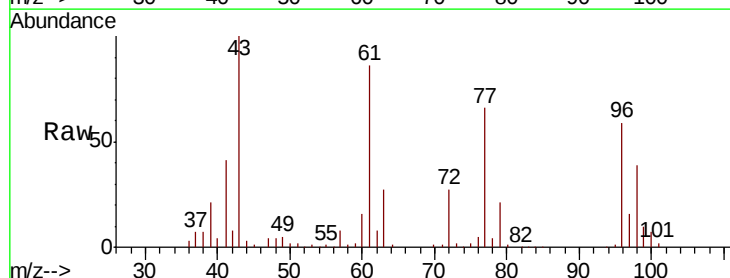


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

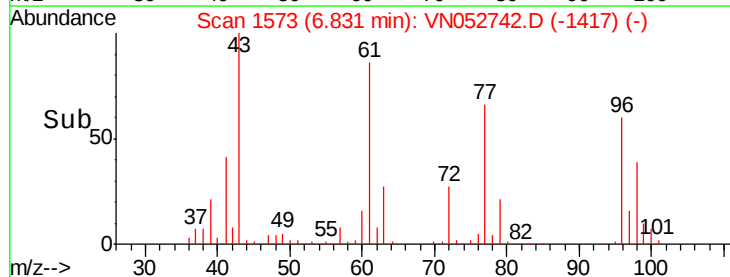
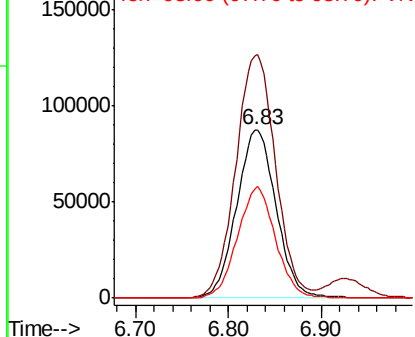


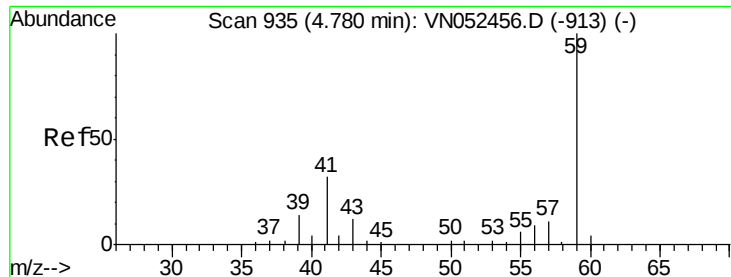
#22
 cis-1,2-Dichloroethene
 Concen: 20.253 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion: 96 Resp: 258964
 Ion Ratio Lower Upper
 96 100
 61 145.6 116.7 175.1
 98 63.8 50.8 76.2



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





#23

tert-Butyl Alcohol

Concen: 98.217 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.01 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

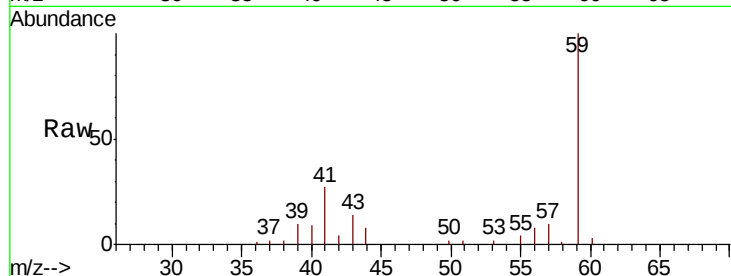
VSTDCCC020

Tot Ion: 59 Resp: 54837

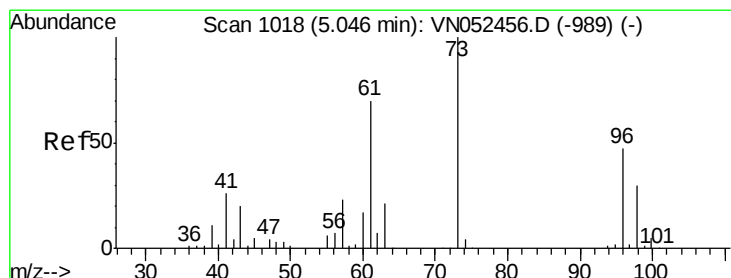
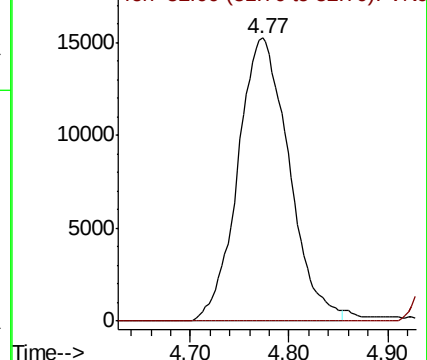
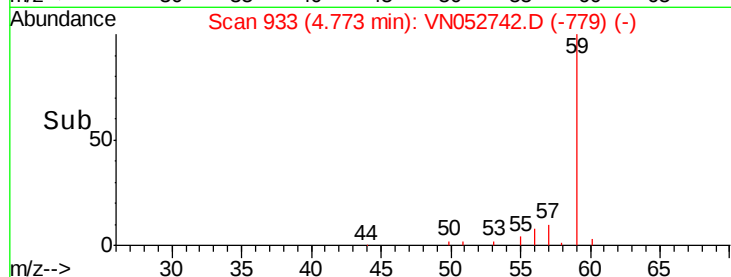
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN052742.D (-779) (-)



#24

Methyl tert-Butyl Ether

Concen: 21.492 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052742.D

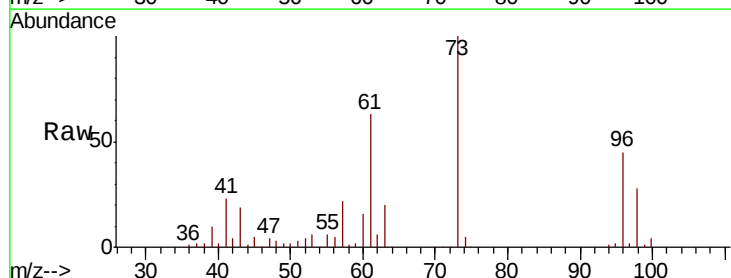
Acq: 10 Dec 2018 9:50

Tgt Ion: 73 Resp: 584517

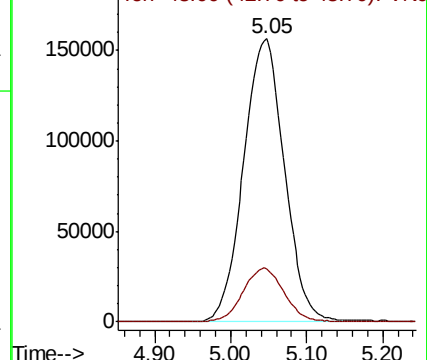
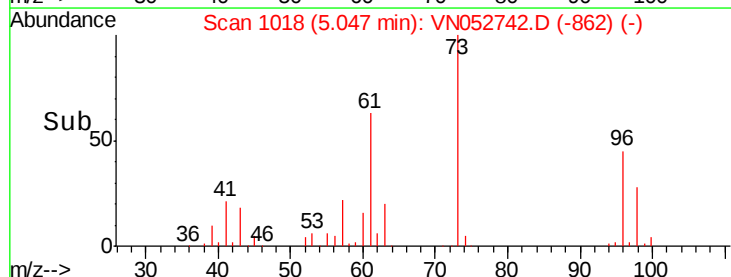
Ion Ratio Lower Upper

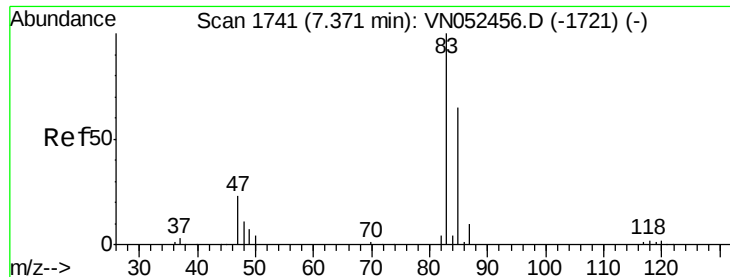
73 100

43 18.8 15.8 23.8



Abundance Ion 73.00 (72.70 to 73.70): VN052742.D (-862) (-)

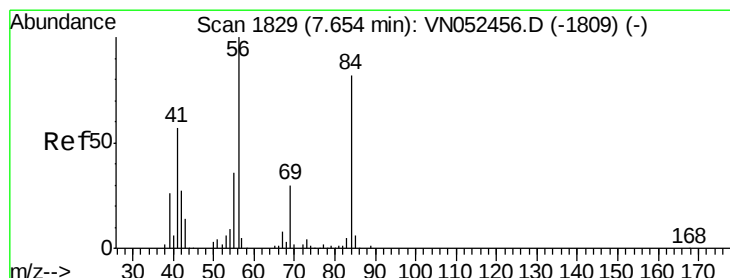
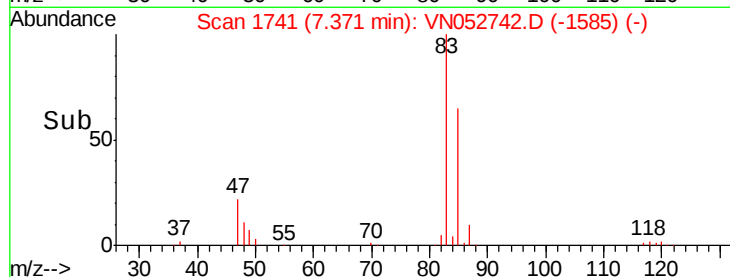
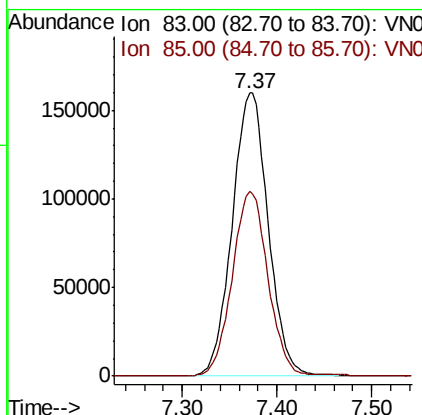
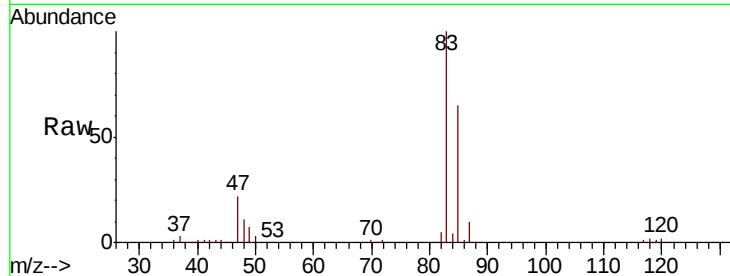




#25
Chloroform
Concen: 20.236 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

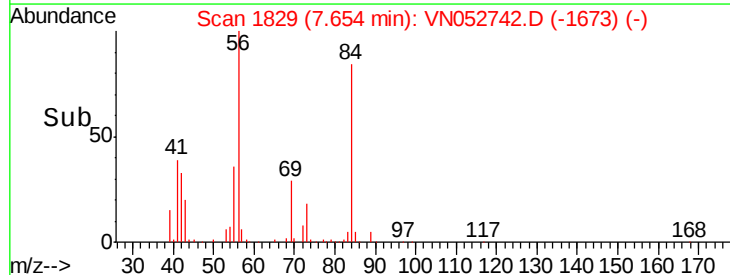
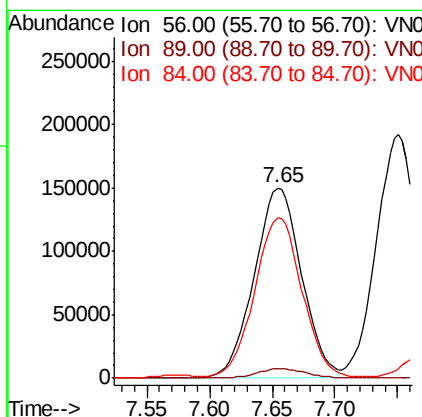
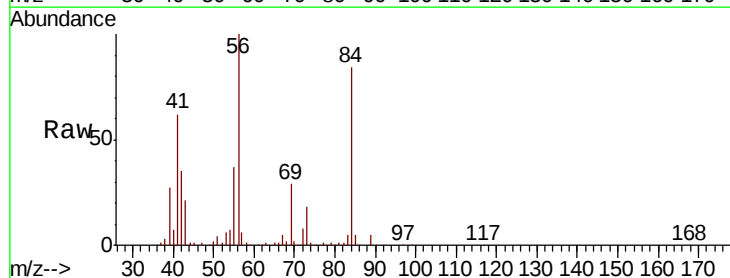
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

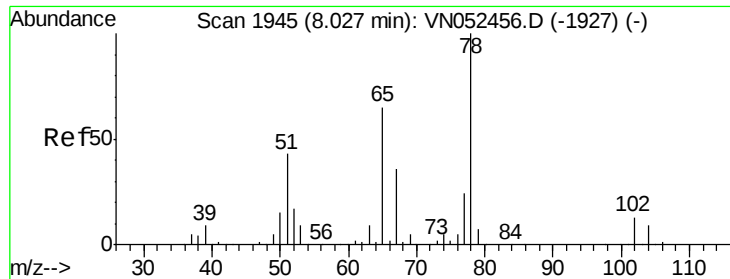
Tot Ion: 83 Resp: 422767
Ion Ratio Lower Upper
83 100
85 65.1 51.7 77.5



#26
Cyclohexane
Concen: 19.365 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 56 Resp: 395522
Ion Ratio Lower Upper
56 100
89 4.9 0.5 0.7#
84 84.9 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 19.365 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

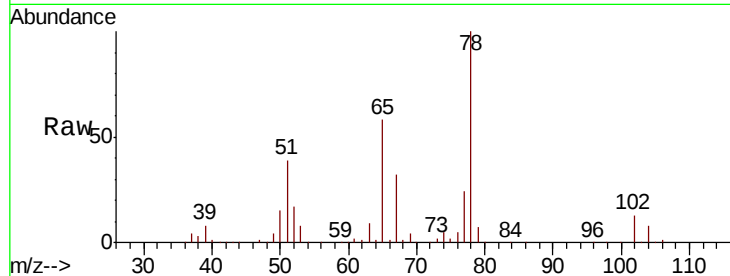
VSTDCCC020

Tot Ion: 65 Resp: 366255

Ion Ratio Lower Upper

65 100

67 55.3 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052742.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN052742.D (-1789) (-)

8.03

150000

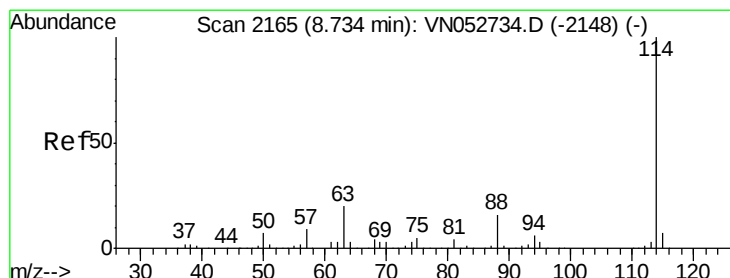
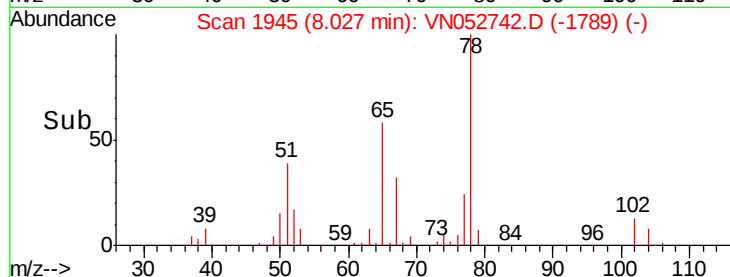
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

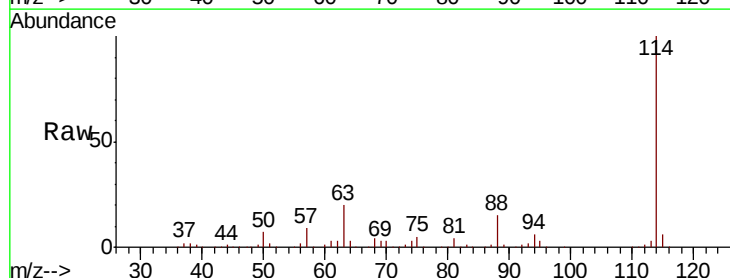
Tgt Ion: 114 Resp: 1080205

Ion Ratio Lower Upper

114 100

63 20.1 16.9 25.3

88 15.4 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052742.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN052742.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN052742.D (-1963) (-)

8.59

600000

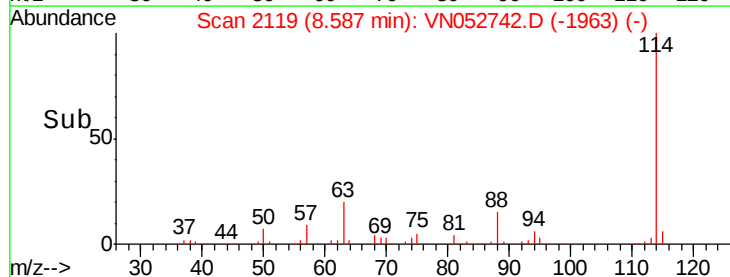
400000

200000

0

8.50 8.60 8.70

Time-->

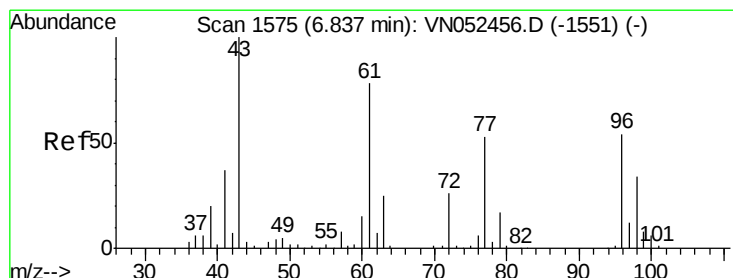
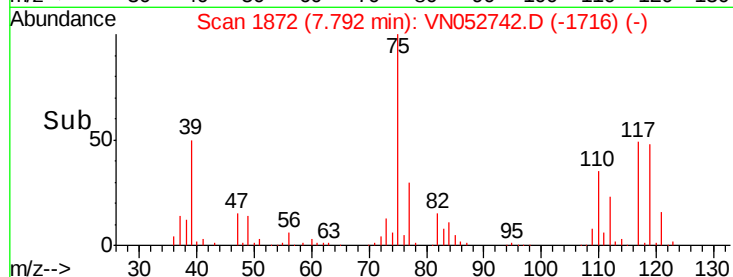
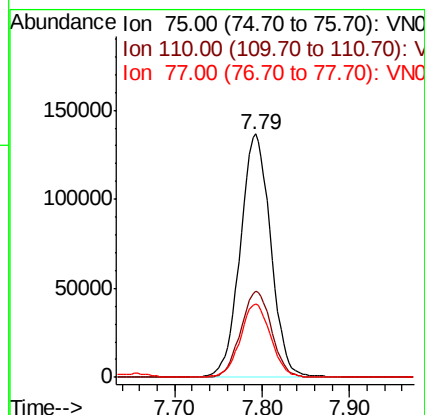
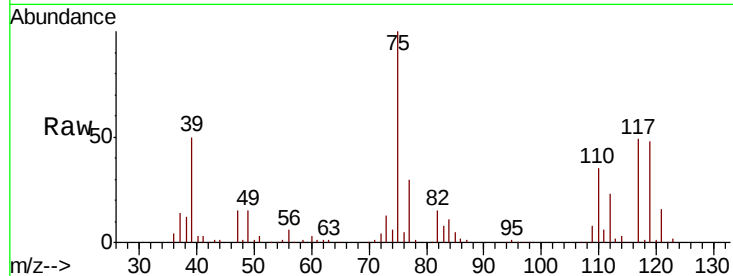




#29
 1,1-Dichloropropene
 Concen: 20.007 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

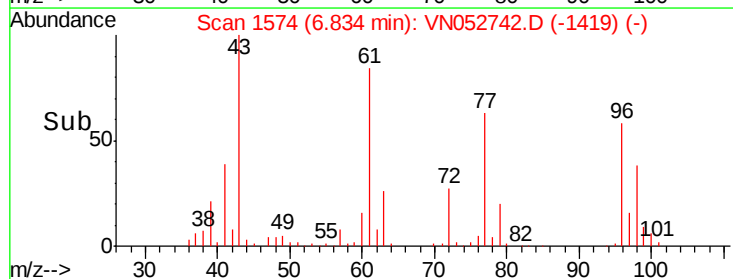
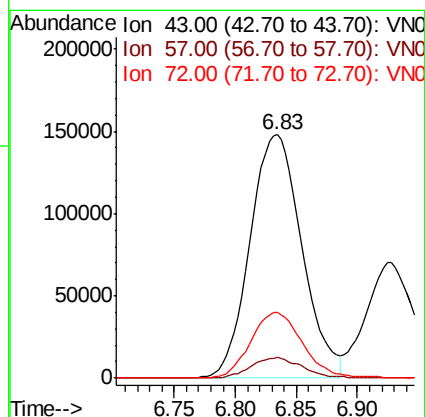
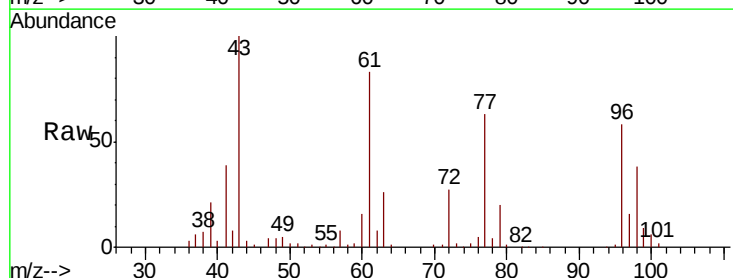
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

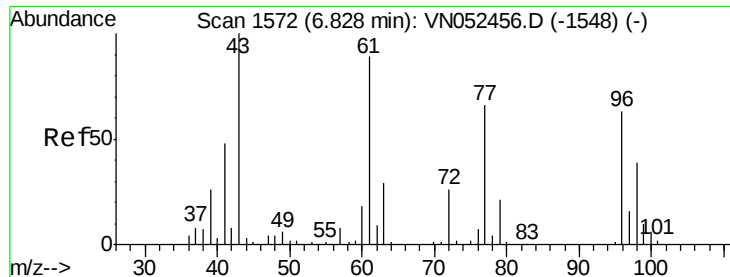
Tot Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	70.2
77	30.4	0.0	62.6



#30
 2-Butanone
 Concen: 98.628 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.2	9.4
72	26.9	21.0	31.6





#31

2,2-Dichloropropane

Concen: 21.673 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

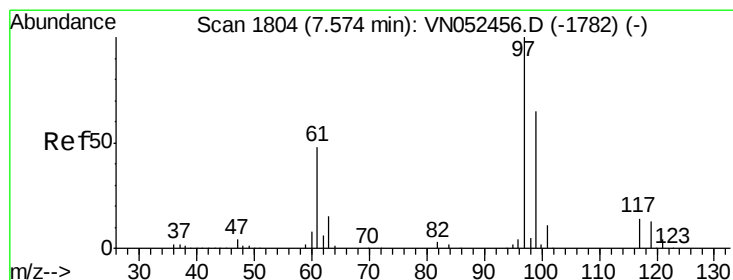
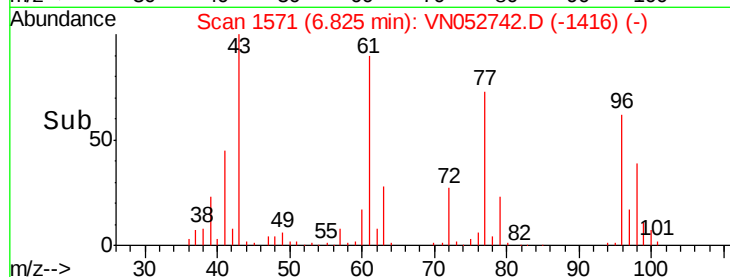
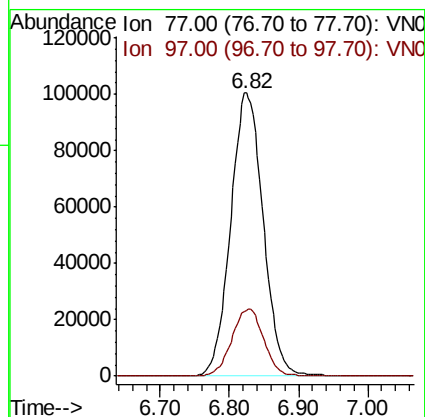
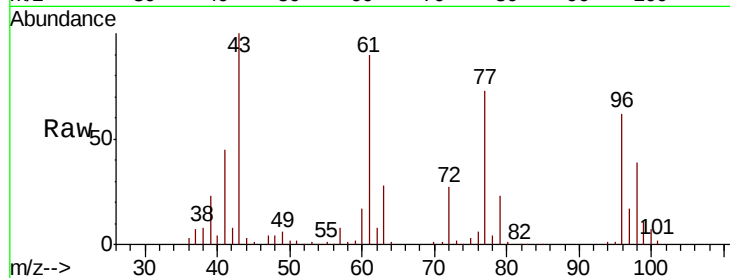
VSTDCCC020

Tot Ion: 77 Resp: 329128

Ion Ratio Lower Upper

77 100

97 23.2 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 20.463 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

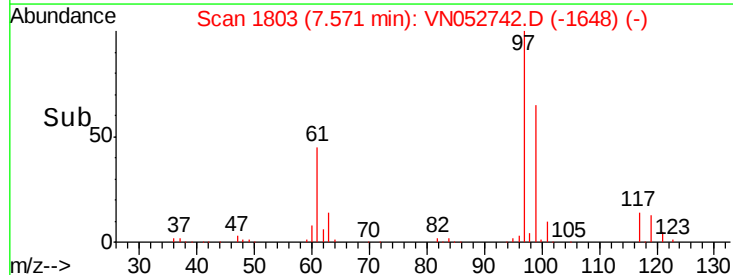
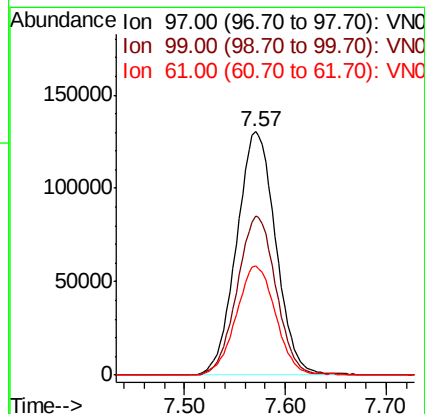
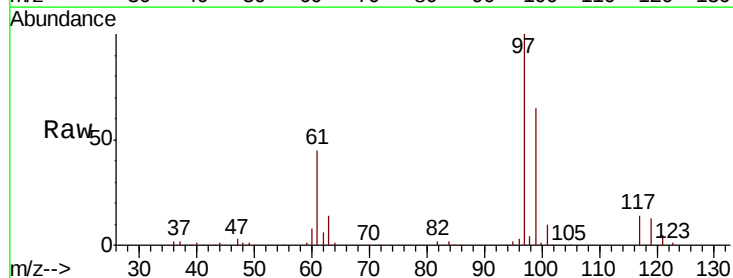
Tgt Ion: 97 Resp: 351234

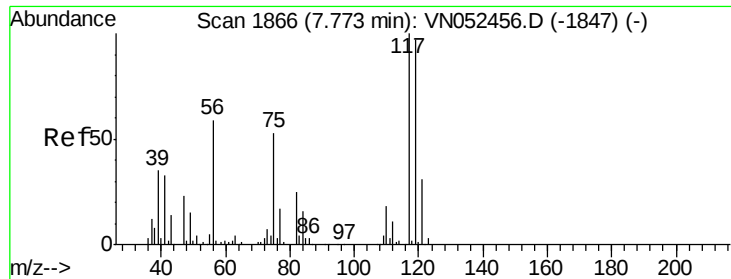
Ion Ratio Lower Upper

97 100

99 64.8 50.9 76.3

61 45.2 38.1 57.1

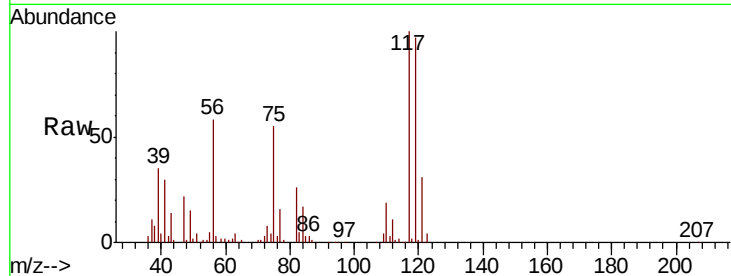




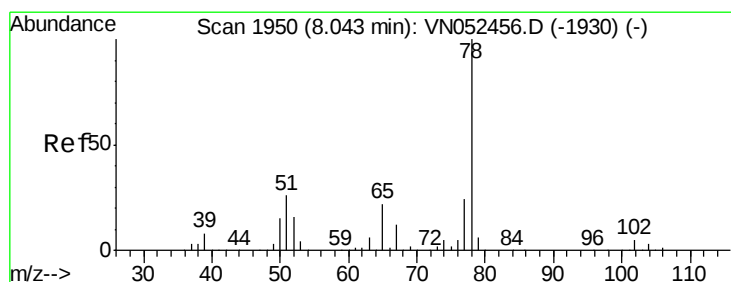
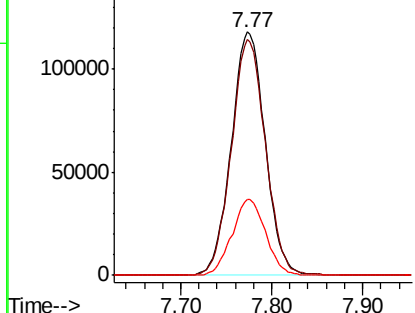
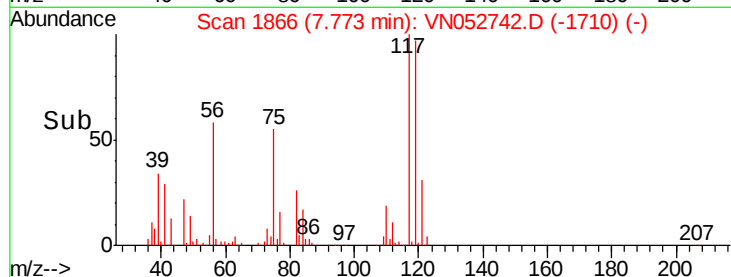
#33
Carbon Tetrachloride
Concen: 20.341 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 305484
Ion Ratio Lower Upper
117 100
119 97.0 77.3 115.9
121 31.2 24.9 37.3

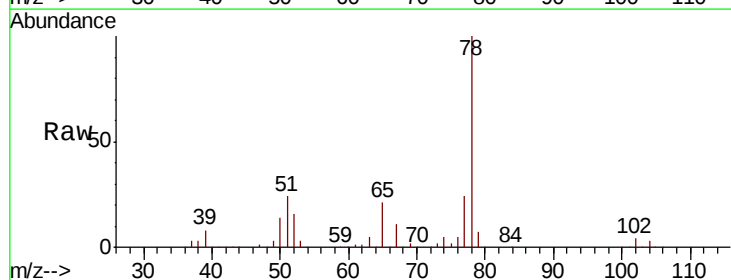


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

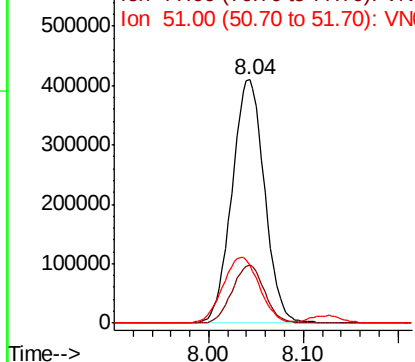
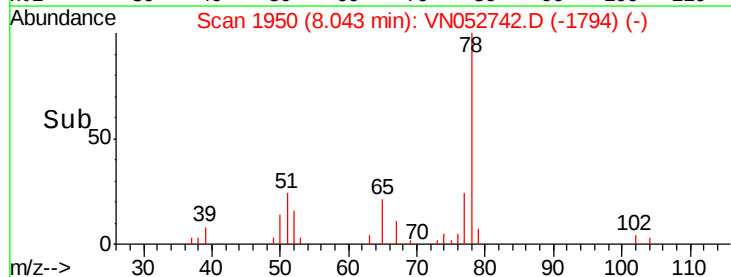


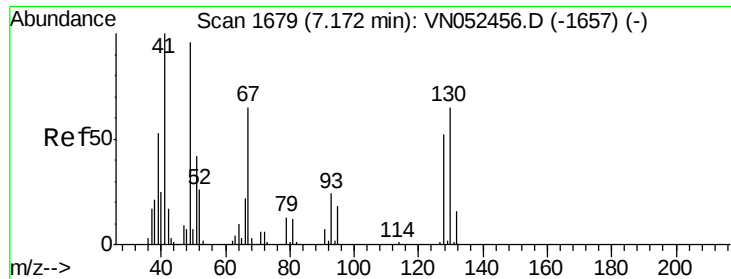
#34
Benzene
Concen: 19.749 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 78 Resp: 979452
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6
51 23.9 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

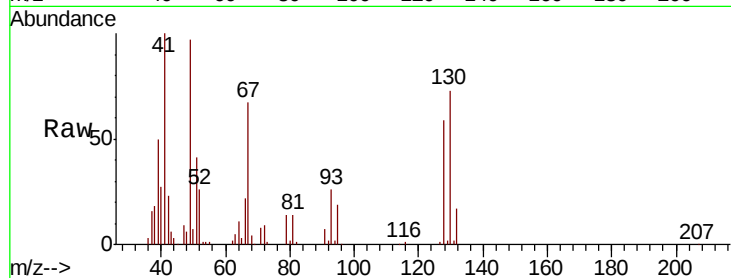




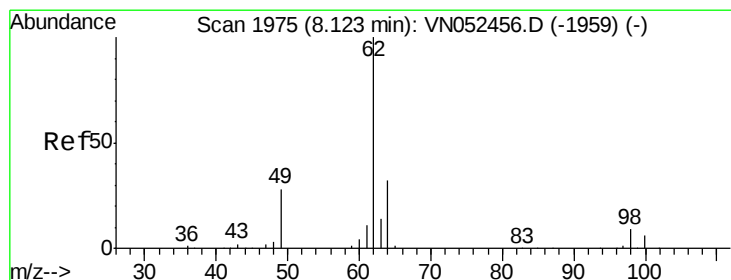
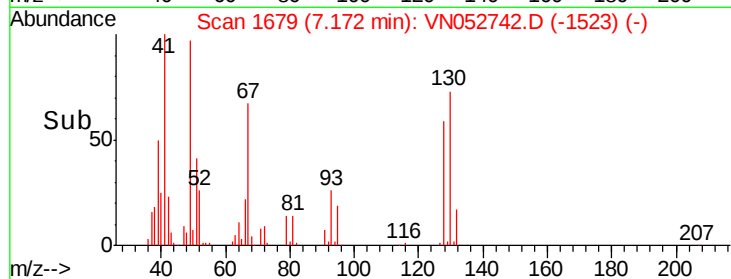
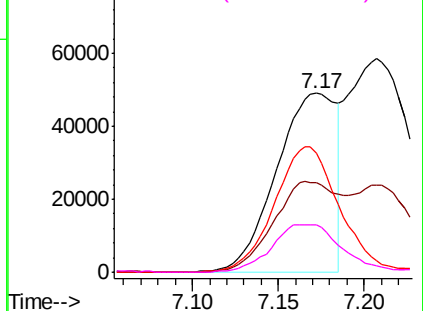
#35
Methacrylonitrile
Concen: 21.678 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 41 Resp: 118721
Ion Ratio Lower Upper
41 100
39 50.1 26.6 79.7
67 66.8 32.3 96.9
52 26.3 13.0 38.9

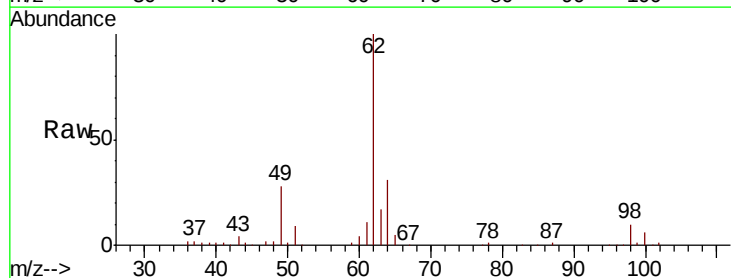


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

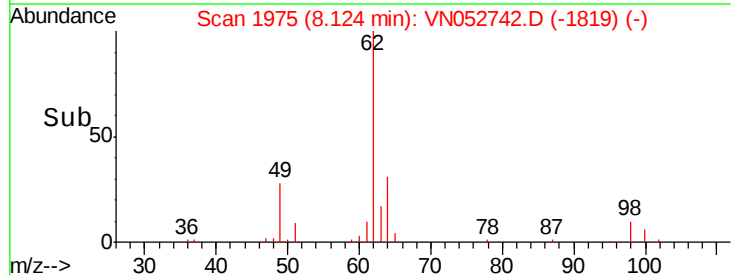
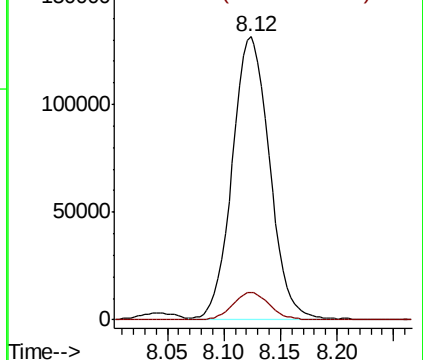


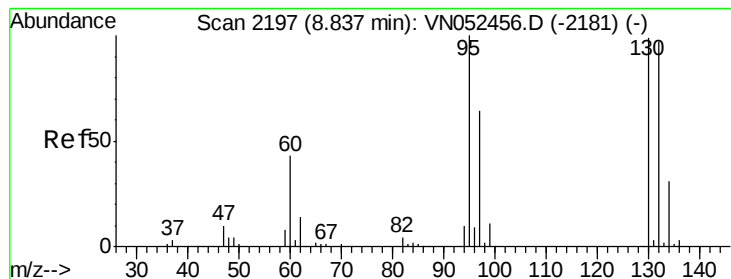
#36
1,2-Dichloroethane
Concen: 20.068 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 62 Resp: 301603
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 21.178 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampled :

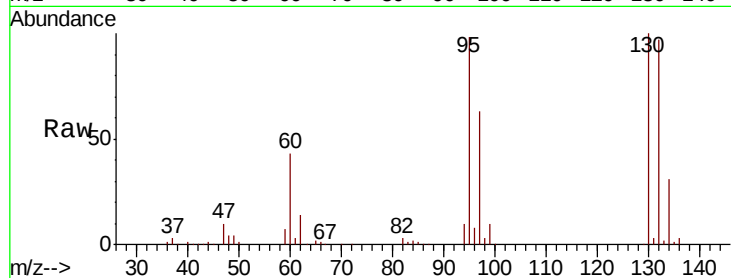
VSTDCCC020

Tot Ion:130 Resp: 266342

Ion Ratio Lower Upper

130 100

95 98.4 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

150000

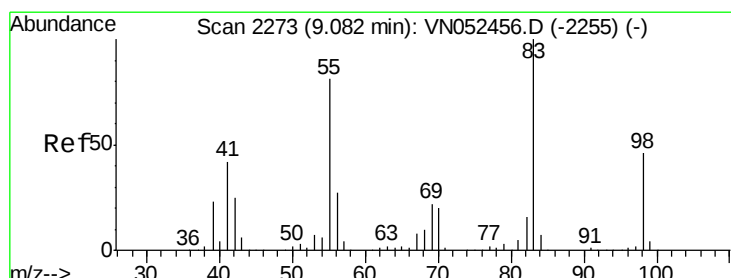
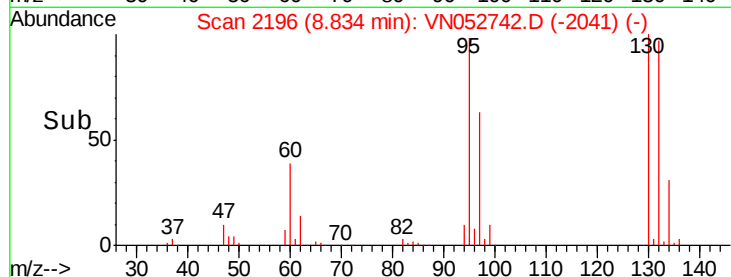
100000

50000

0

8.80 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.949 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

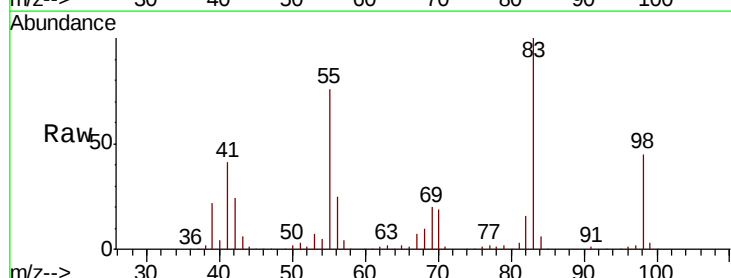
Tgt Ion: 83 Resp: 407355

Ion Ratio Lower Upper

83 100

55 75.6 39.8 119.4

98 45.2 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

250000

200000

150000

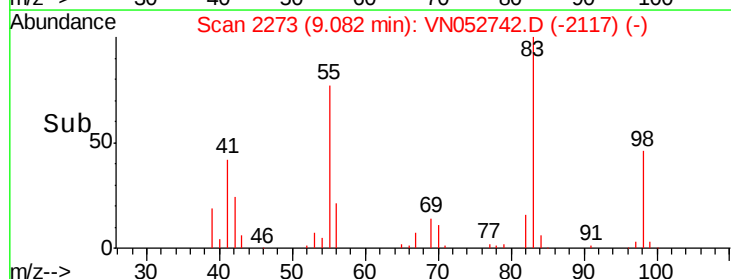
100000

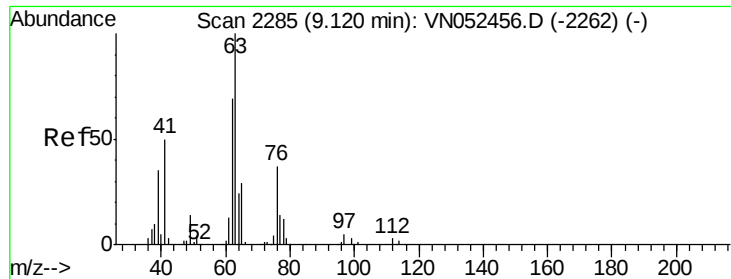
50000

0

9.00 9.10 9.20

Time-->

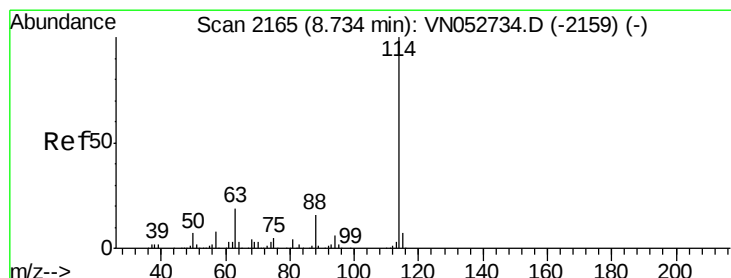
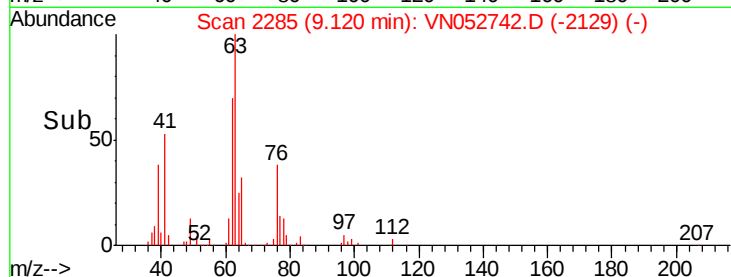
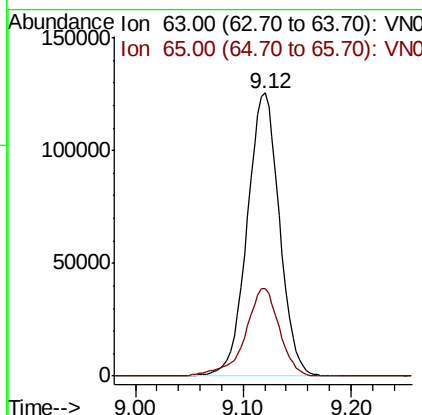
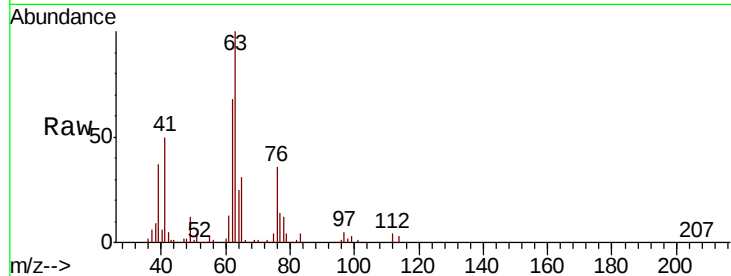




#39
 1,2-Dichloropropane
 Concen: 19.628 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

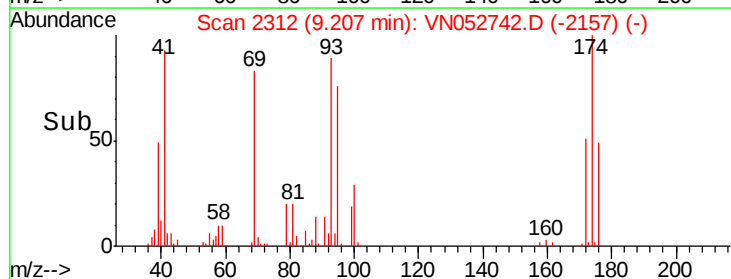
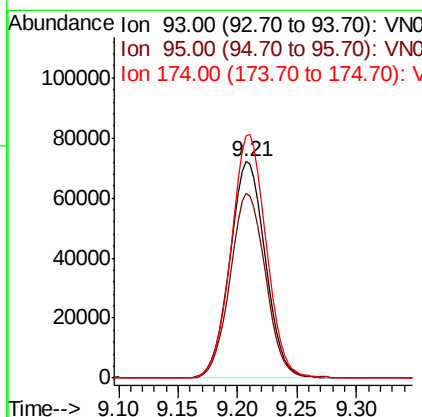
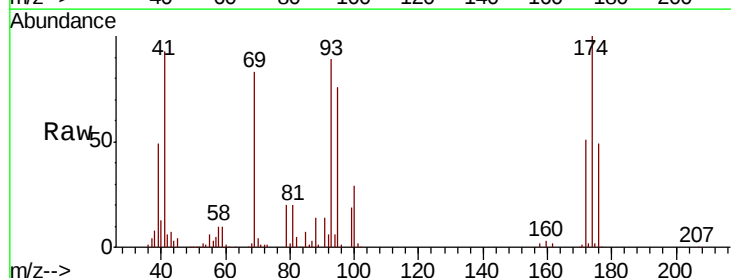
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

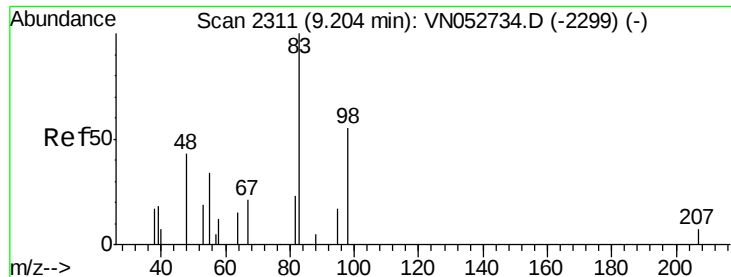
Tot Ion: 63 Resp: 260946
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.6 35.4



#40
 Dibromomethane
 Concen: 20.816 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion: 93 Resp: 149545
 Ion Ratio Lower Upper
 93 100
 95 84.6 0.0 168.4
 174 111.0 0.0 210.0





#41

Bromodichloromethane

Concen: 20.140 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

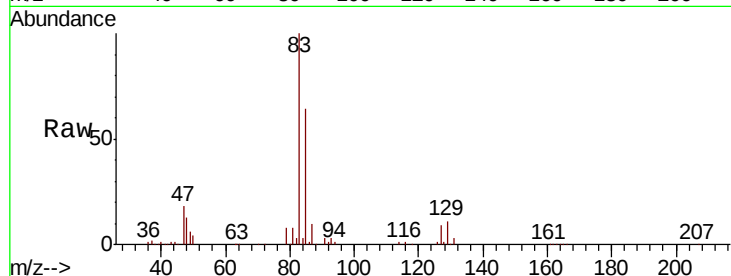
Tot Ion: 83 Resp: 319671

Ion Ratio Lower Upper

83 100

85 64.1 52.4 78.6

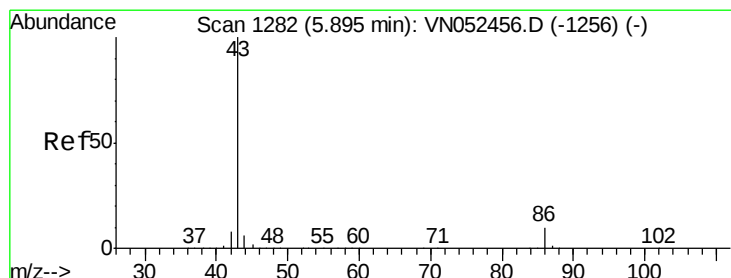
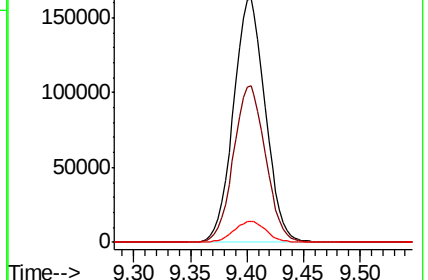
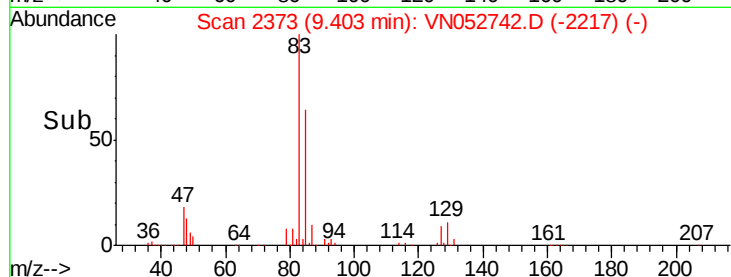
127 8.6 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN052742.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN052742.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN052742.D (-2217) (-)



#42

Vinyl Acetate

Concen: 93.864 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052742.D

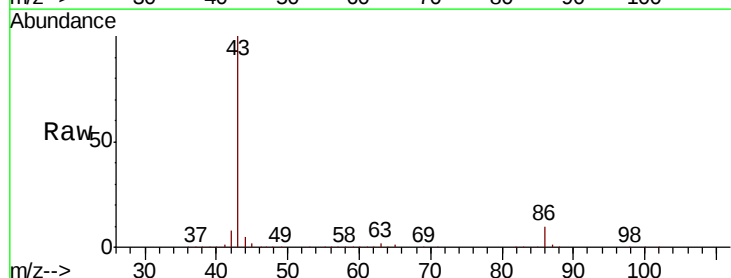
Acq: 10 Dec 2018 9:50

Tgt Ion: 43 Resp: 2241718

Ion Ratio Lower Upper

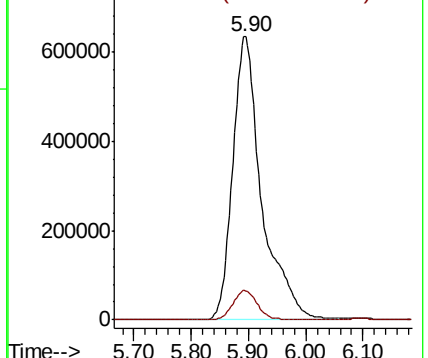
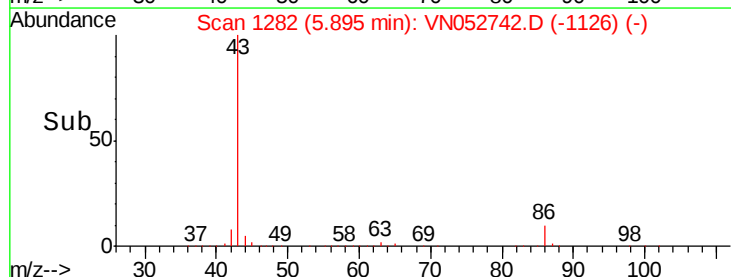
43 100

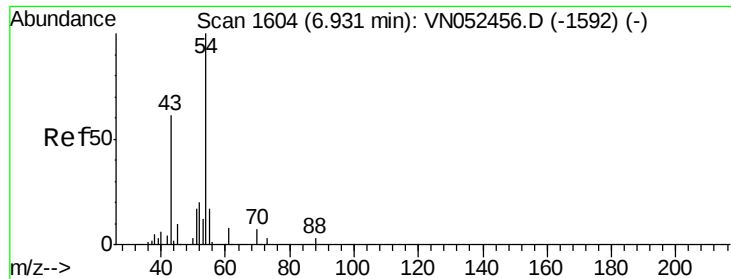
86 8.7 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN052742.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN052742.D (-1126) (-)





#43

Ethyl Acetate

Concen: 20.491 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

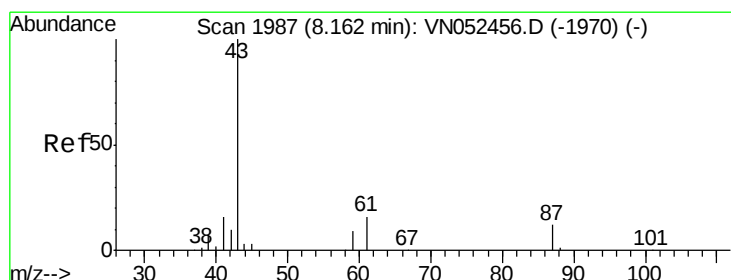
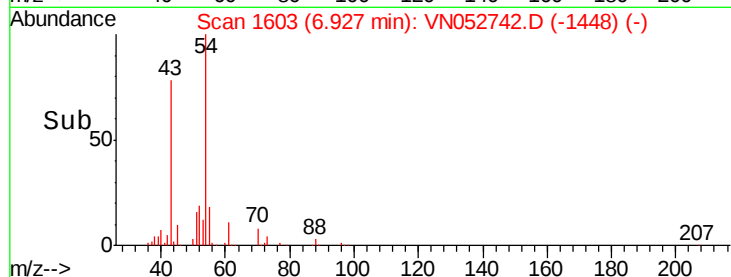
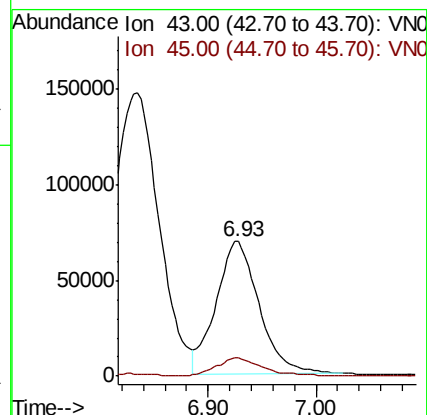
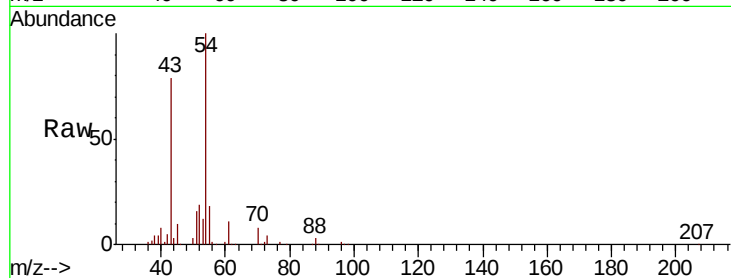
VSTDCCC020

Tot Ion: 43 Resp: 192329

Ion Ratio Lower Upper

43 100

45 13.1 1.0 1.6#



#44

Isopropyl Acetate

Concen: 21.346 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052742.D

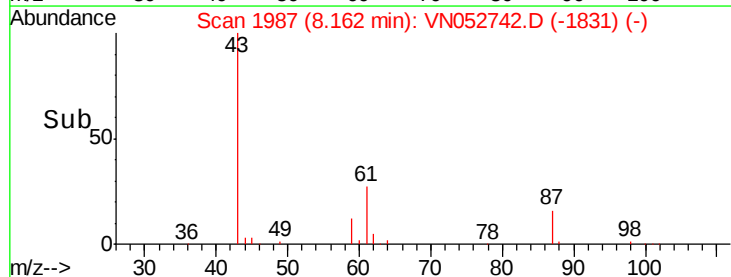
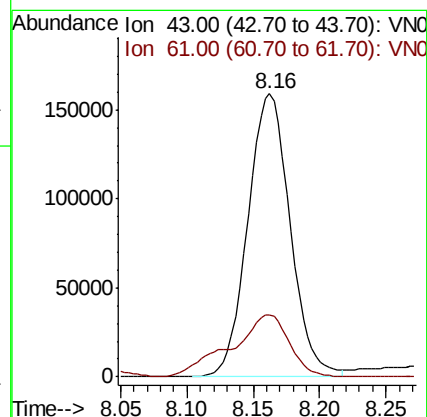
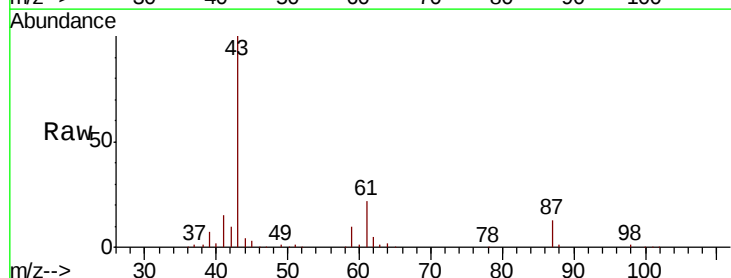
Acq: 10 Dec 2018 9:50

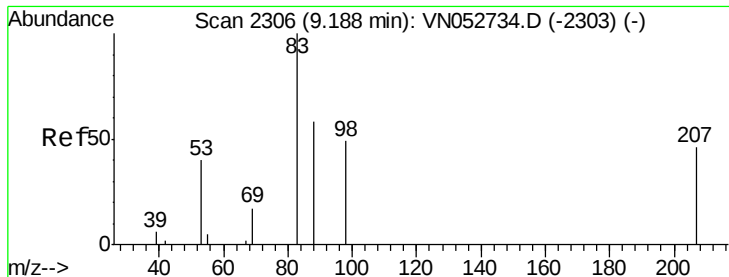
Tgt Ion: 43 Resp: 351384

Ion Ratio Lower Upper

43 100

61 21.7 16.0 24.0





#45

1,4-Dioxane

Concen: 336.835 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

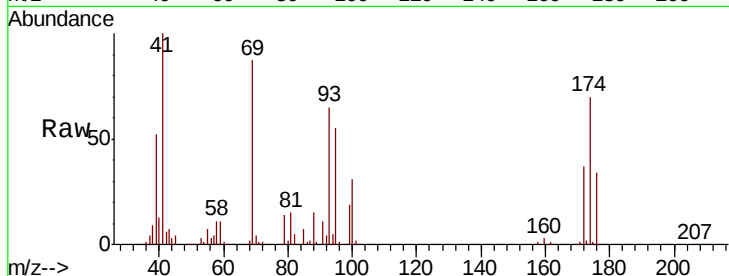
Tot Ion: 88 Resp: 30333

Ion Ratio Lower Upper

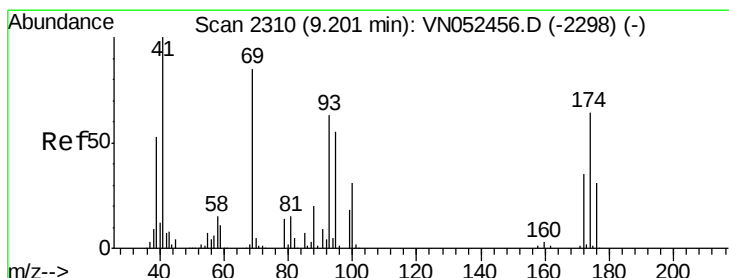
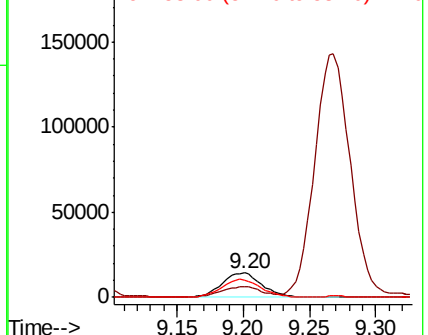
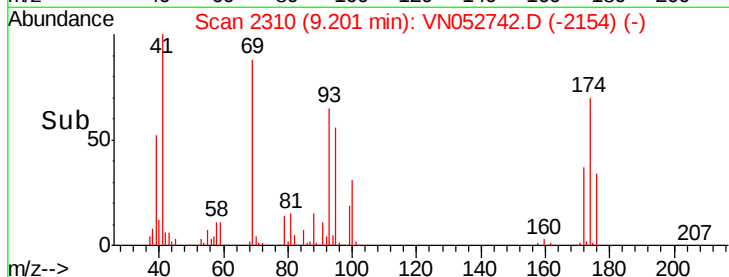
88 100

43 37.4 29.5 44.3

58 71.9 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN052742.D (-2154) (-)



#46

Methyl methacrylate

Concen: 20.766 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

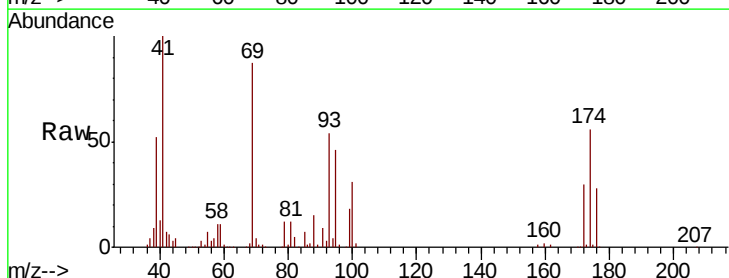
Tgt Ion: 41 Resp: 177486

Ion Ratio Lower Upper

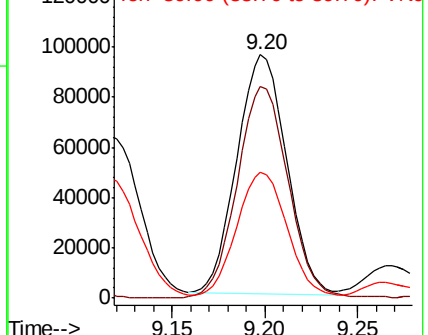
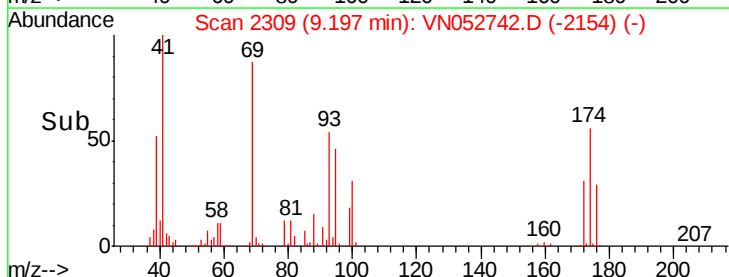
41 100

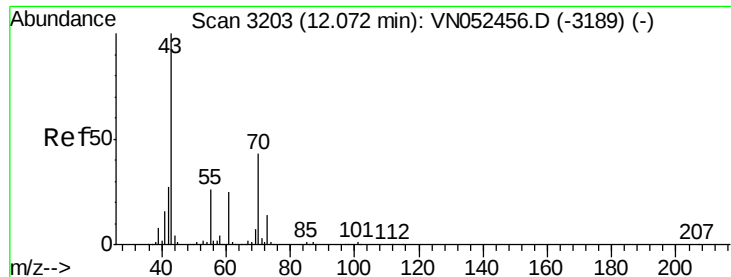
69 88.0 42.5 127.6

39 51.6 26.3 78.9



Abundance Ion 41.00 (40.70 to 41.70): VN052742.D (-2154) (-)

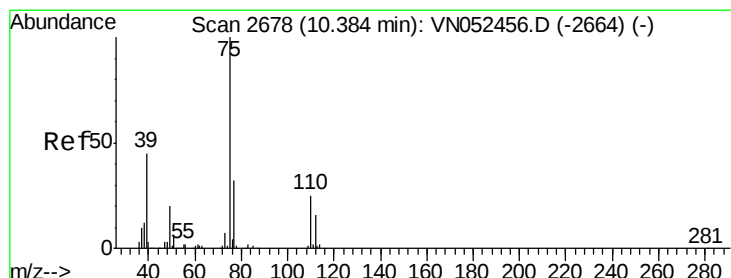
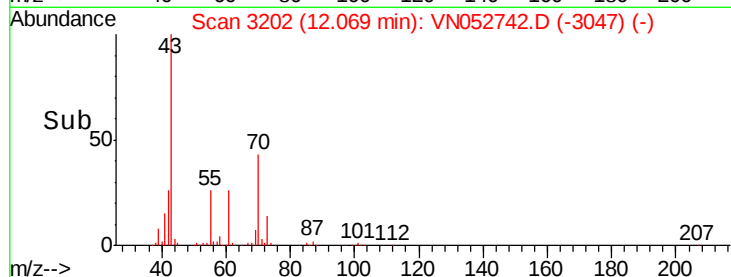
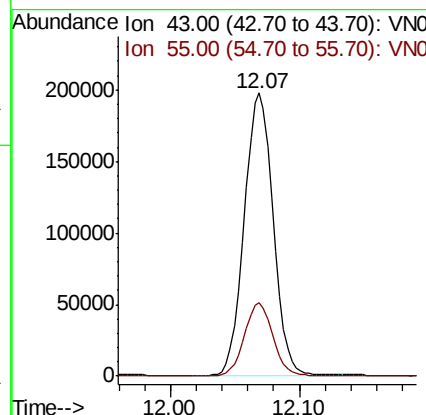
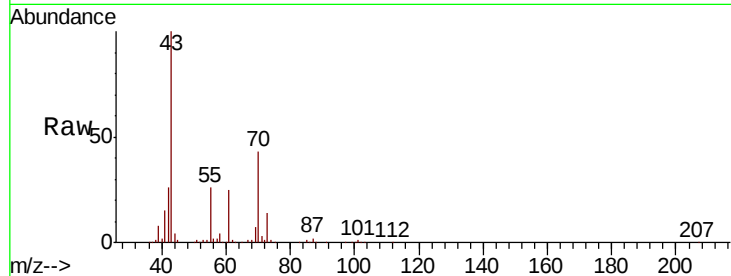




#47
n-amvl Acetate
Concen: 22.584 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

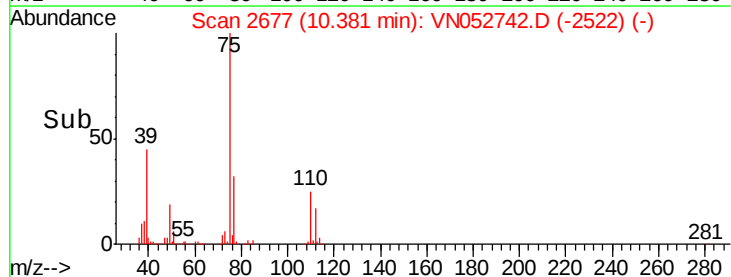
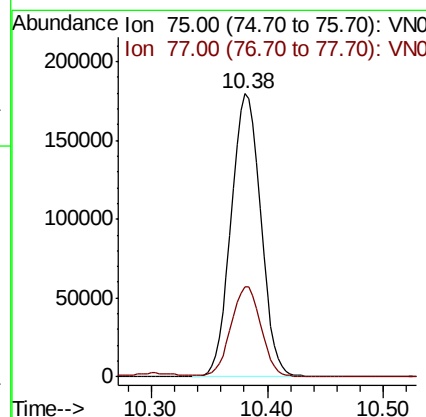
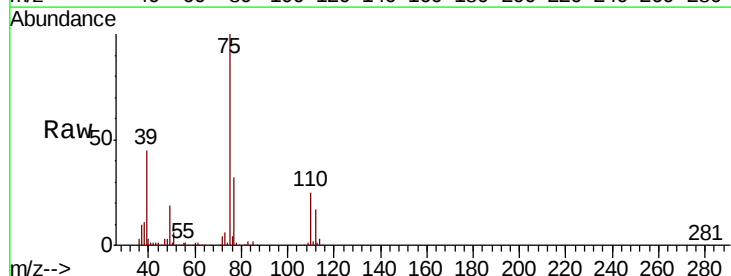
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

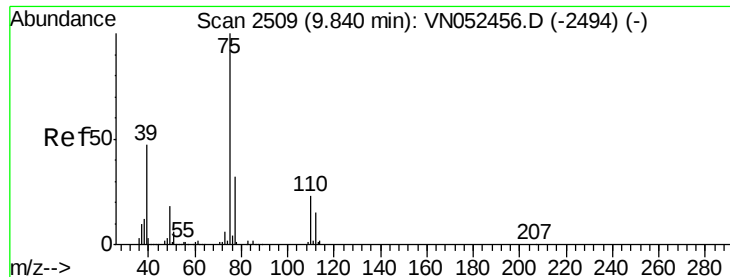
Tot Ion: 43 Resp: 308242
Ion Ratio Lower Upper
43 100
55 25.7 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 20.705 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 75 Resp: 318652
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4



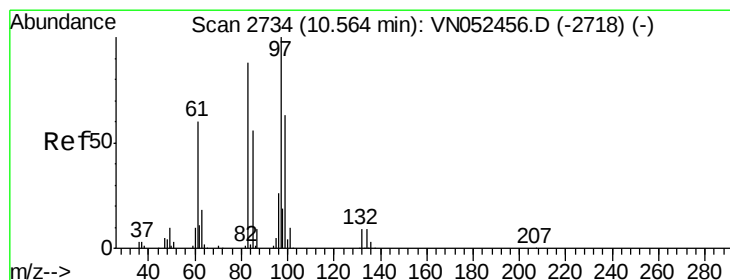
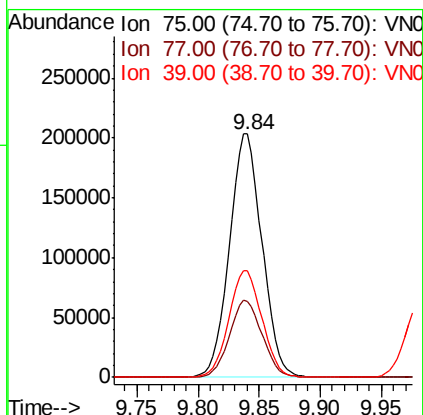
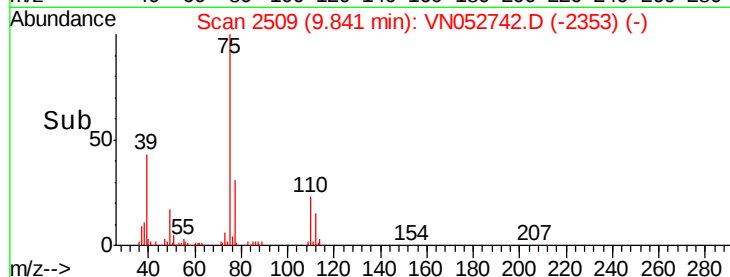
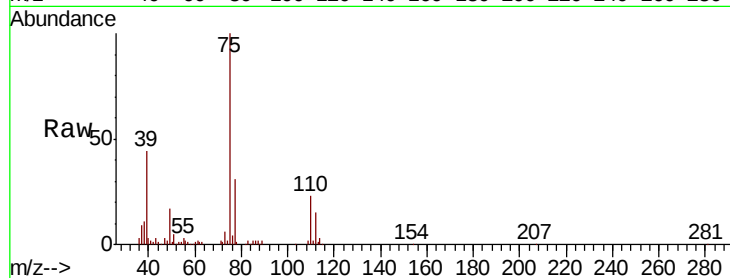


#49

cis-1,3-Dichloropropene
Concen: 20.179 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

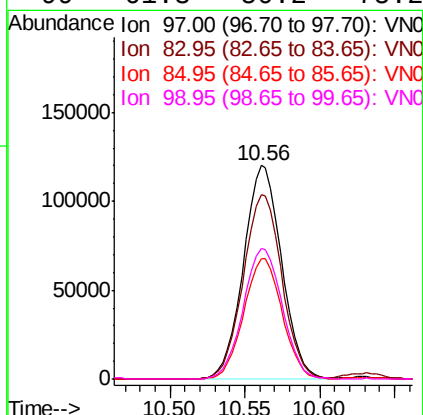
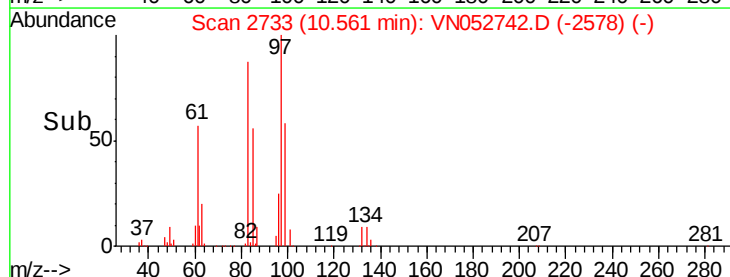
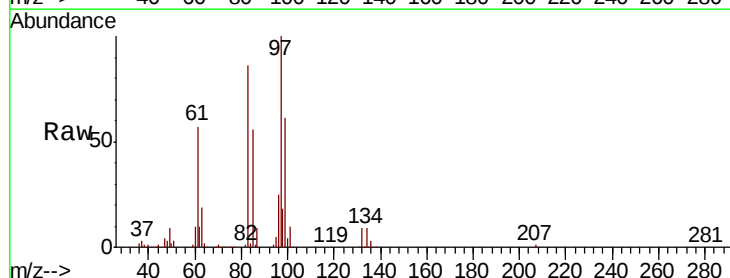
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	43.5	37.3	55.9

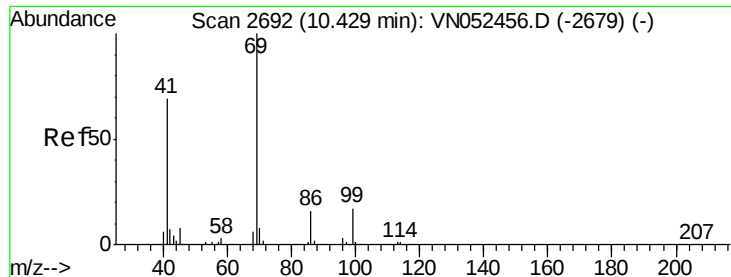


#50

1,1,2-Trichloroethane
Concen: 20.947 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.4	105.6
85	56.4	45.0	67.6
99	61.3	50.2	75.2





#51

Ethyl methacrylate

Concen: 21.310 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

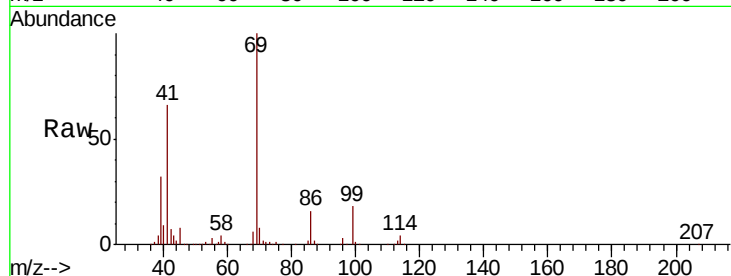
Tot Ion: 69 Resp: 272552

Ion Ratio Lower Upper

69 100

41 65.9 34.4 103.3

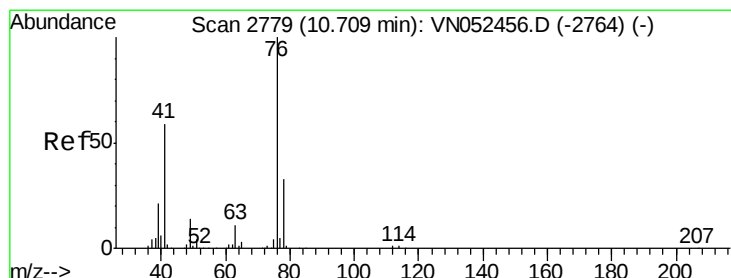
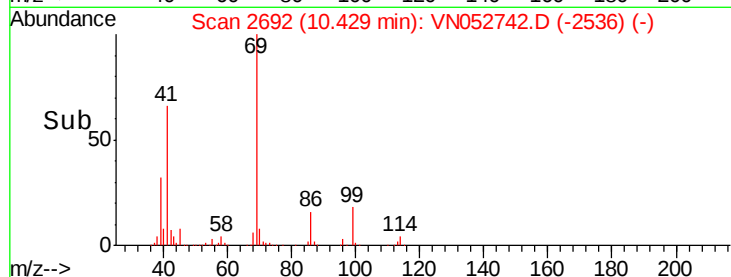
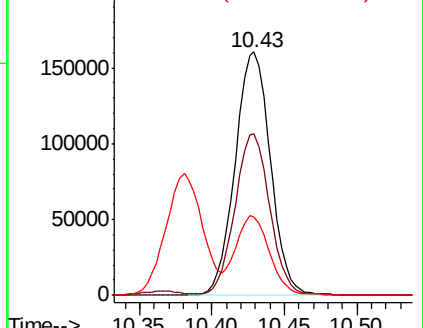
39 32.1 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 20.274 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052742.D

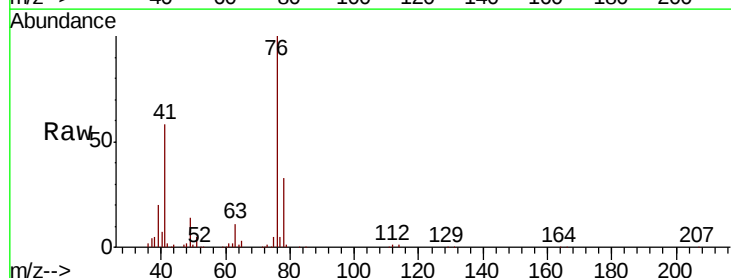
Acq: 10 Dec 2018 9:50

Tgt Ion: 76 Resp: 367490

Ion Ratio Lower Upper

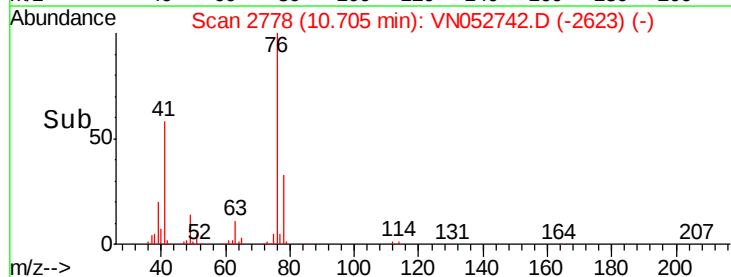
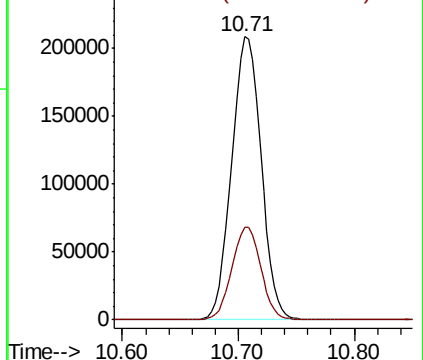
76 100

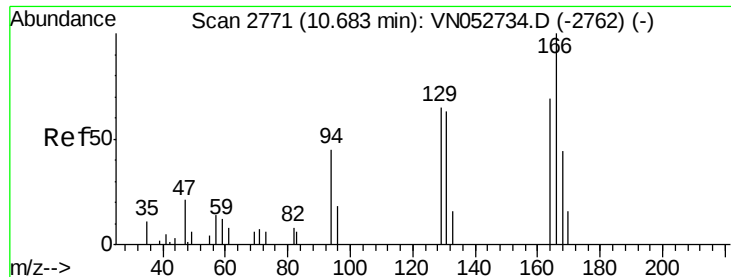
78 32.2 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.979 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampled :

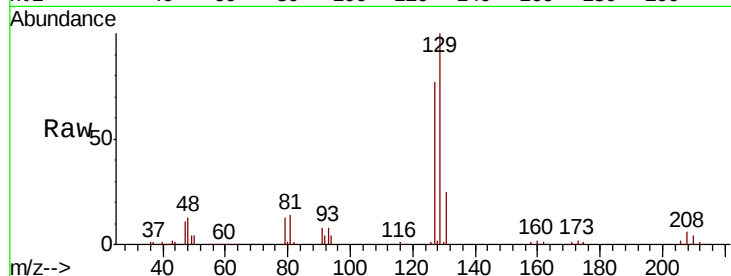
VSTDCCC020

Tot Ion:129 Resp: 235213

Ion Ratio Lower Upper

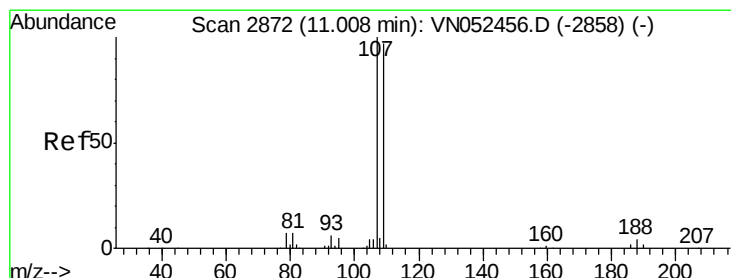
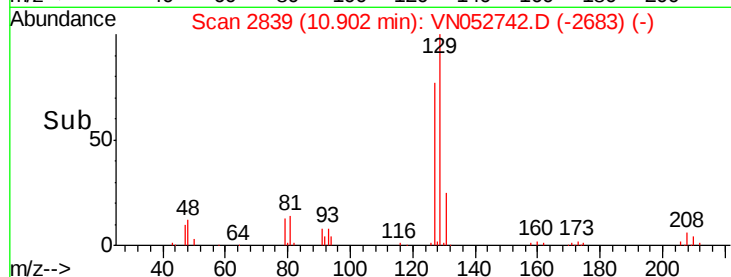
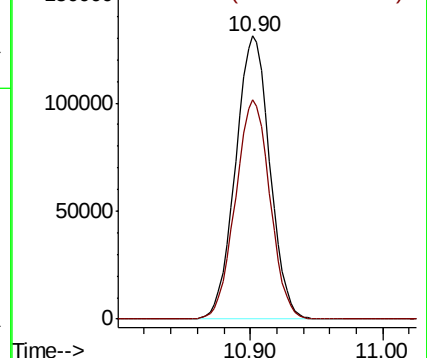
129 100

127 78.0 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.216 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052742.D

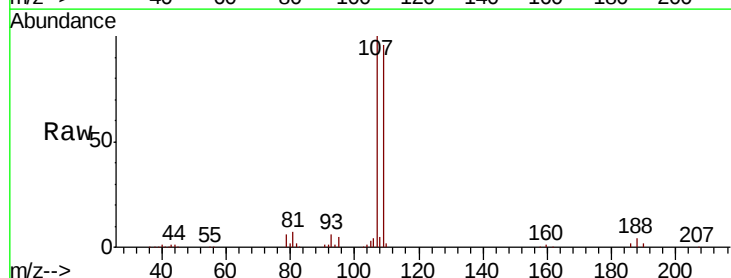
Acq: 10 Dec 2018 9:50

Tgt Ion:107 Resp: 211121

Ion Ratio Lower Upper

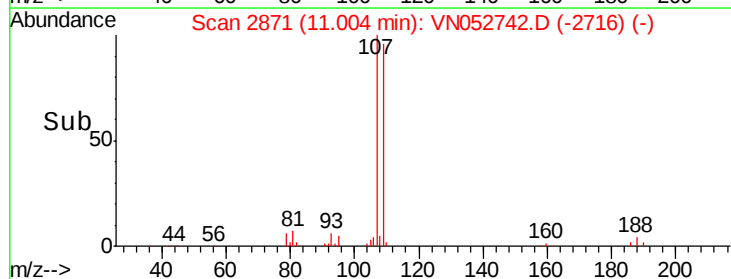
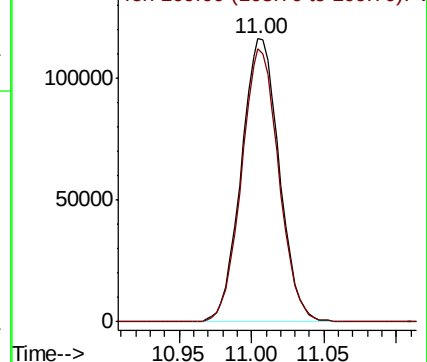
107 100

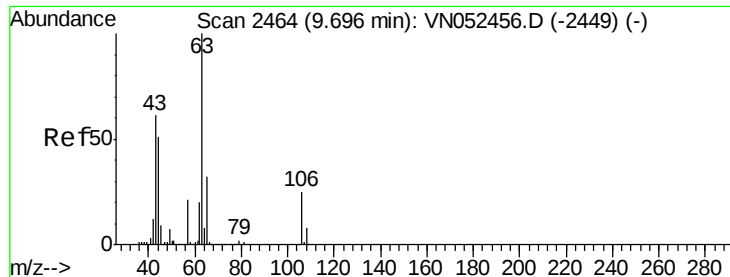
109 95.0 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

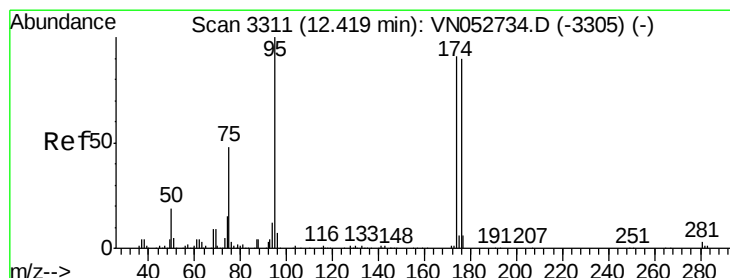
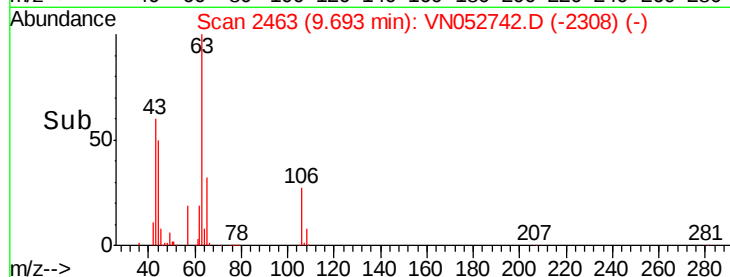
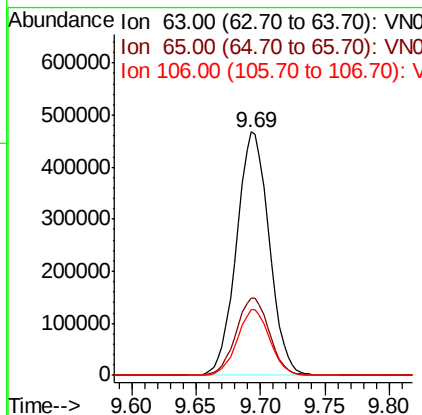
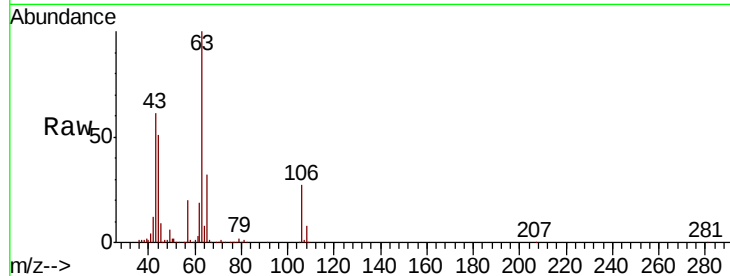




#55
2-Chloroethyl vinyl ether
Concen: 110.297 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

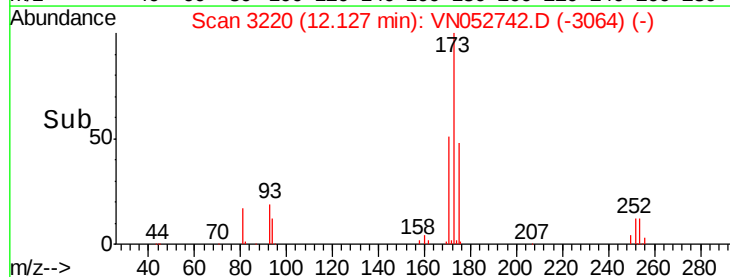
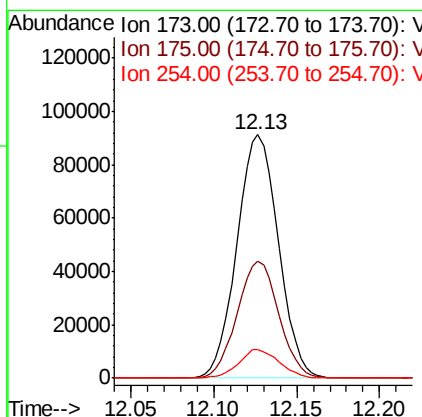
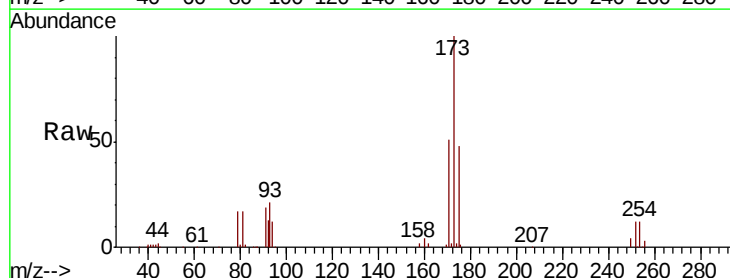
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

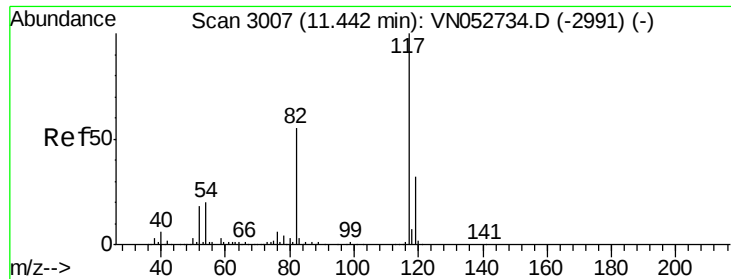
Tot Ion: 63 Resp: 825762
Ion Ratio Lower Upper
63 100
65 32.4 25.4 38.2
106 26.7 20.4 30.6



#56
Bromoform
Concen: 21.689 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 173 Resp: 158944
Ion Ratio Lower Upper
173 100
175 48.1 38.7 58.1
254 11.5 8.4 12.6

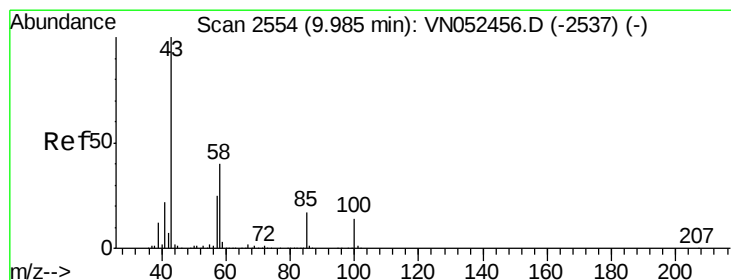
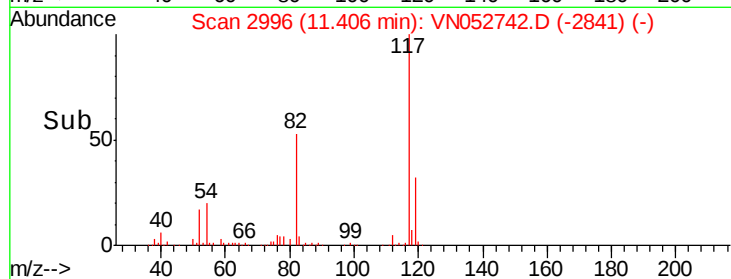
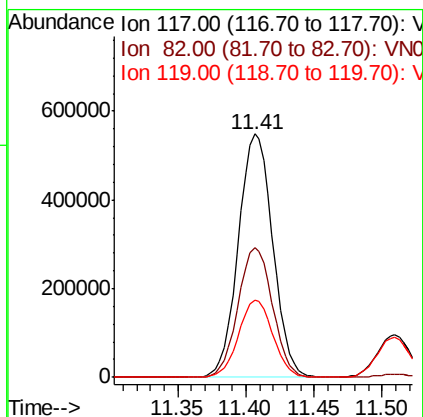
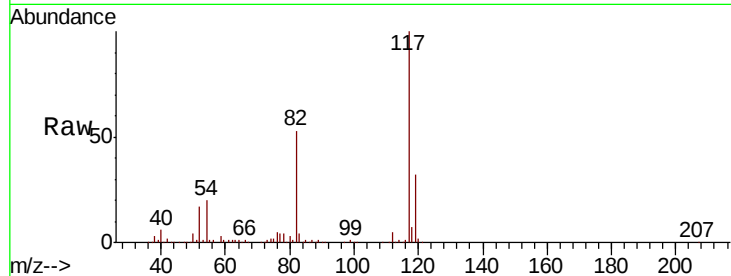




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

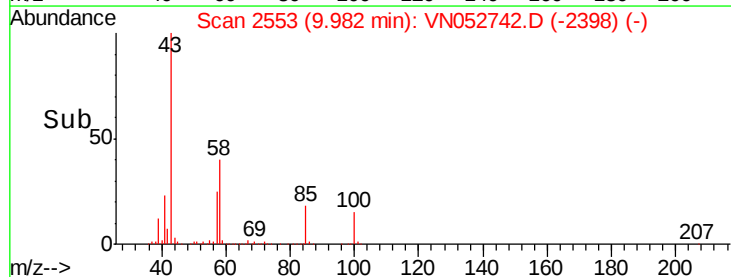
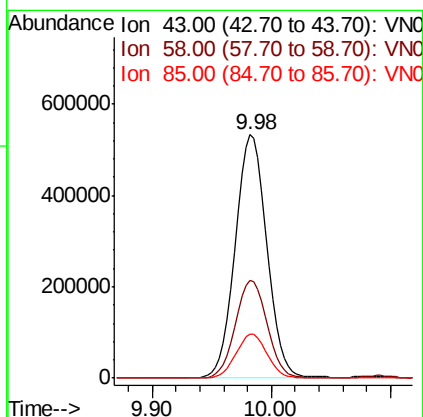
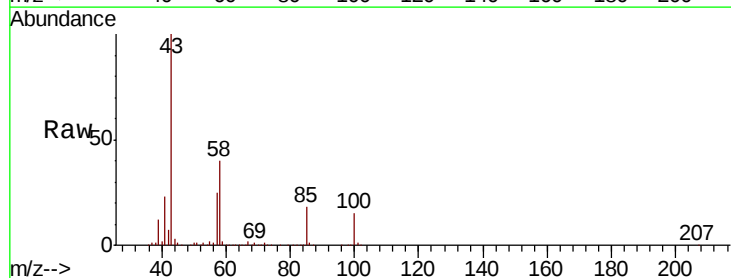
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

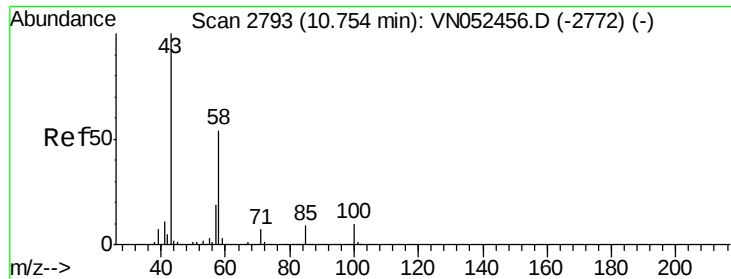
Tot Ion:117 Resp: 960672
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 31.6 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 105.188 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 43 Resp: 979662
Ion Ratio Lower Upper
43 100
58 40.2 31.6 47.4
85 18.0 13.3 19.9

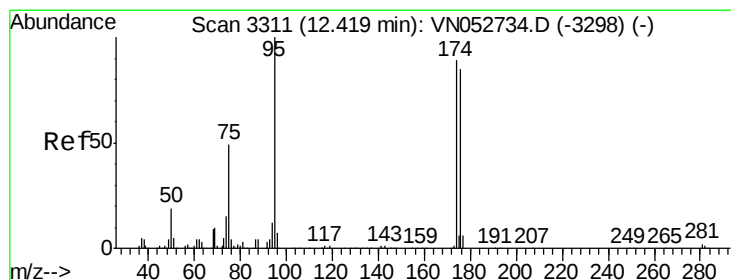
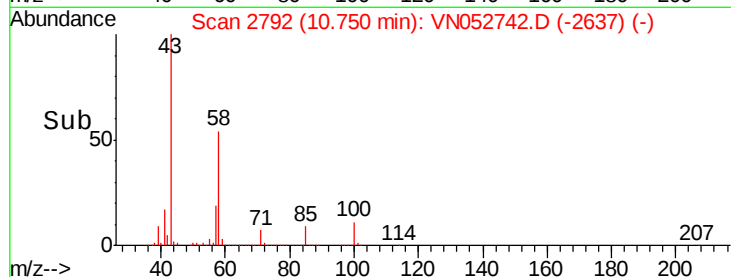
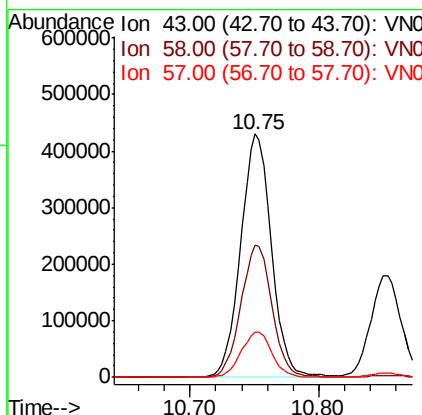
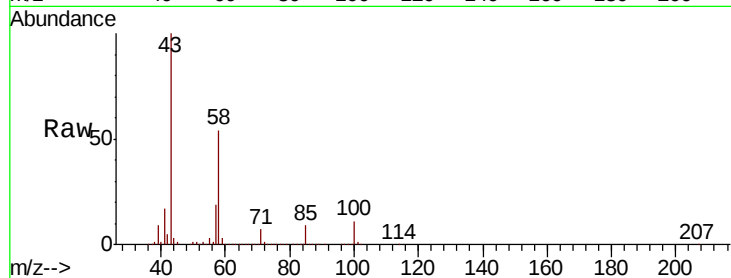




#59
2-Hexanone
Concen: 111.992 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

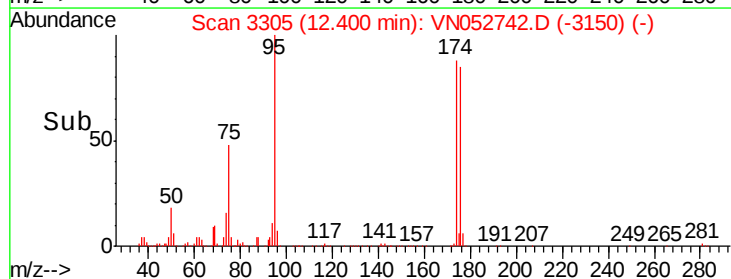
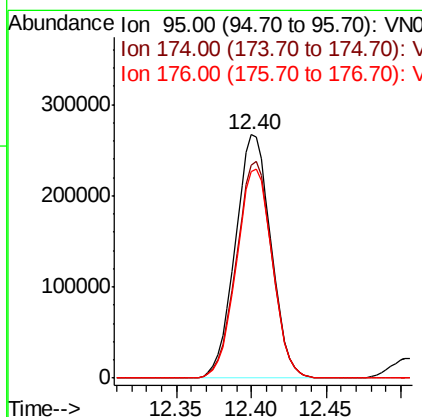
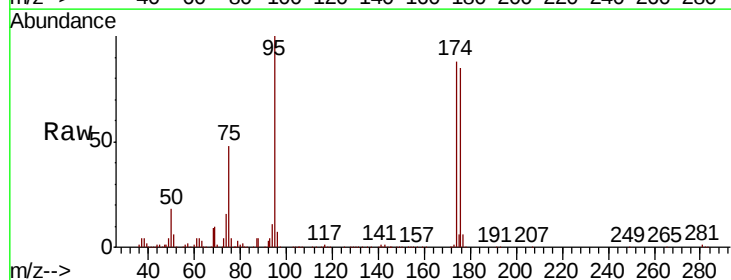
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

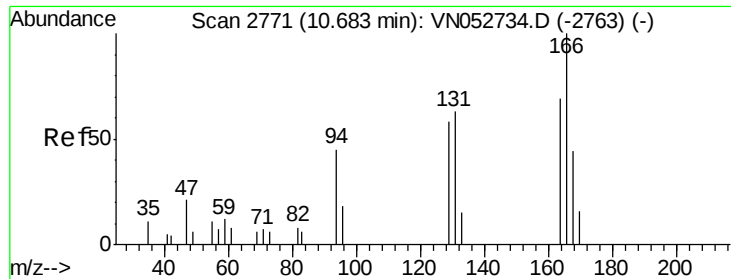
Tot Ion: 43 Resp: 712507
Ion Ratio Lower Upper
43 100
58 55.0 43.2 64.8
57 18.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 111.992 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 95 Resp: 443245
Ion Ratio Lower Upper
95 100
174 88.8 67.9 101.9
176 86.6 66.4 99.6





#61

Tetrachloroethene

Concen: 24.243 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 286840

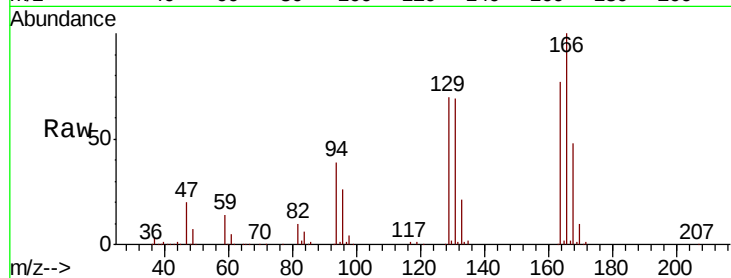
Ion Ratio Lower Upper

164 100

166 130.5 104.6 157.0

129 91.5 75.3 112.9

131 90.6 74.3 111.5

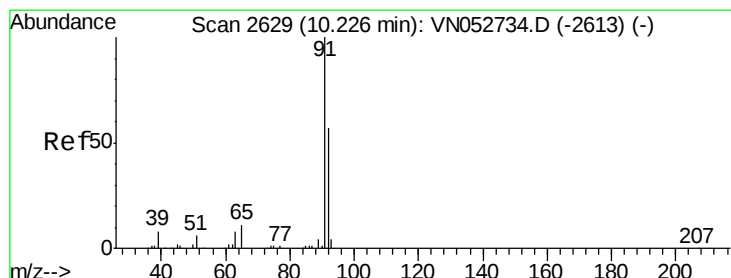
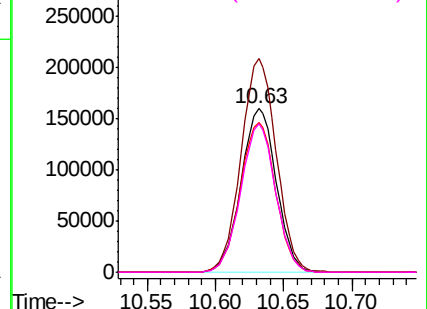
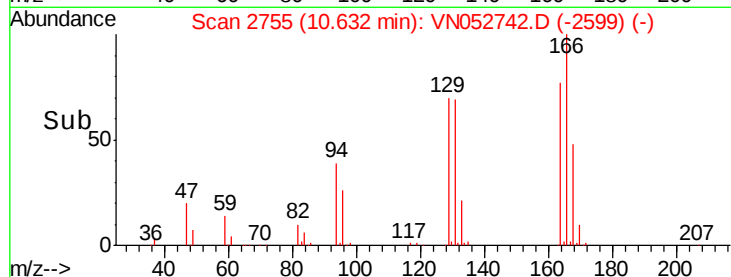


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.003 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052742.D

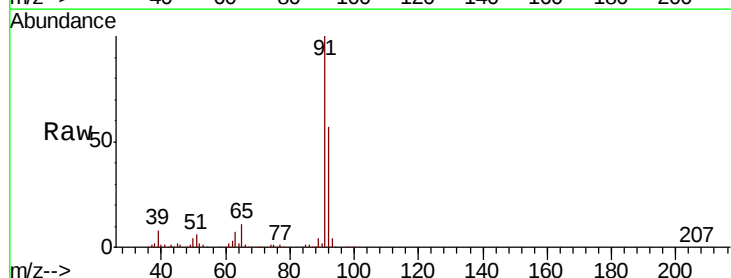
Acq: 10 Dec 2018 9:50

Tgt Ion: 91 Resp: 1059360

Ion Ratio Lower Upper

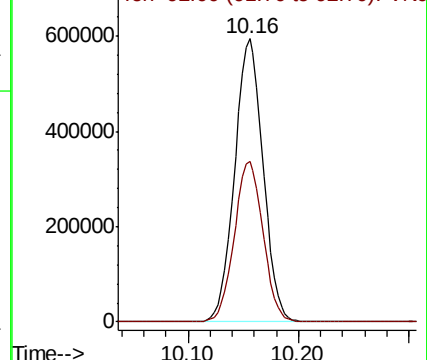
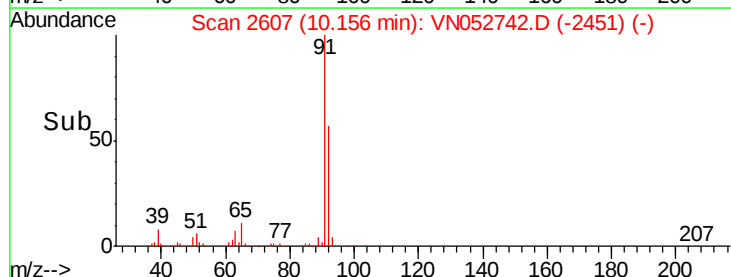
91 100

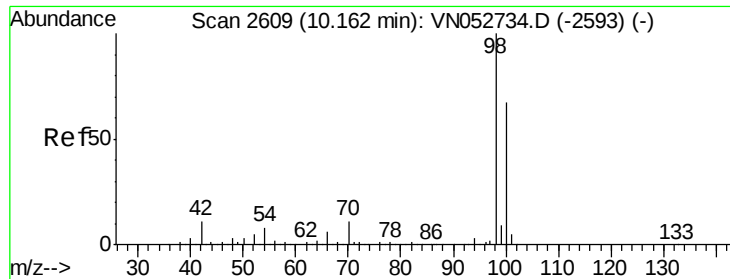
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.003 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

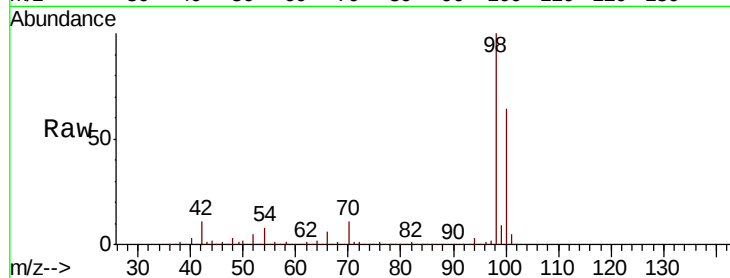
VSTDCCC020

Tot Ion: 98 Resp: 1295340

Ion Ratio Lower Upper

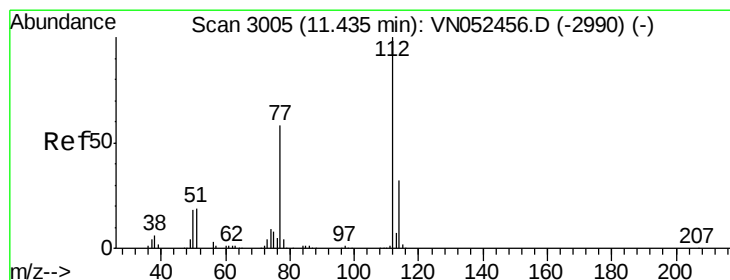
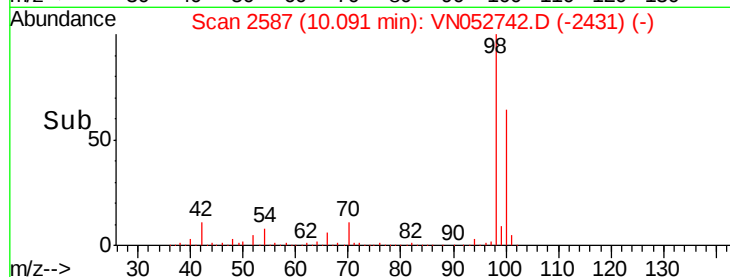
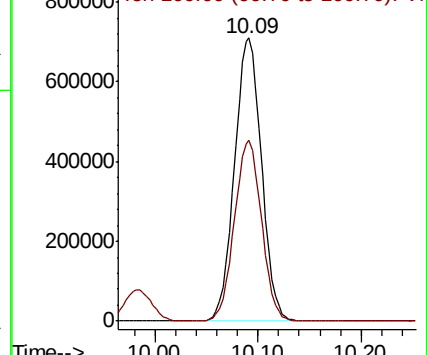
98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.497 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052742.D

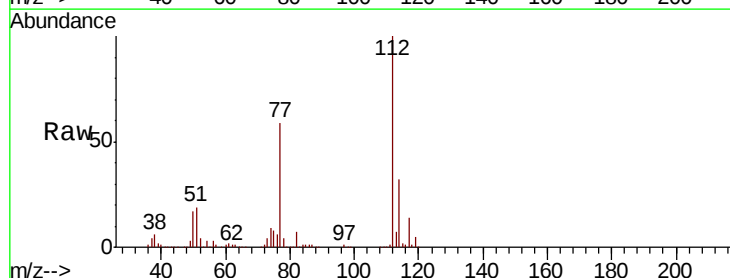
Acq: 10 Dec 2018 9:50

Tgt Ion: 112 Resp: 662547

Ion Ratio Lower Upper

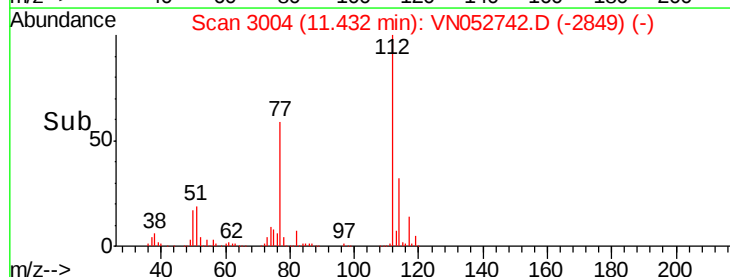
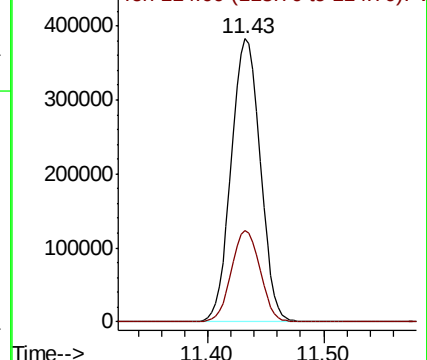
112 100

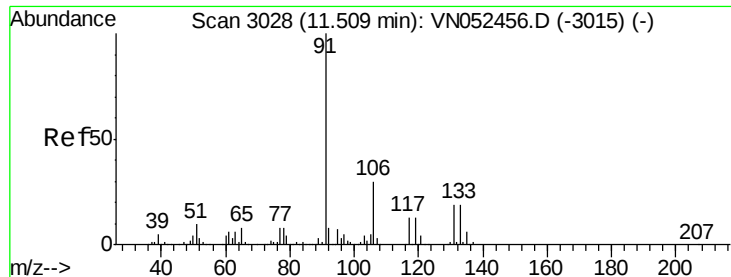
114 32.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 21.147 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

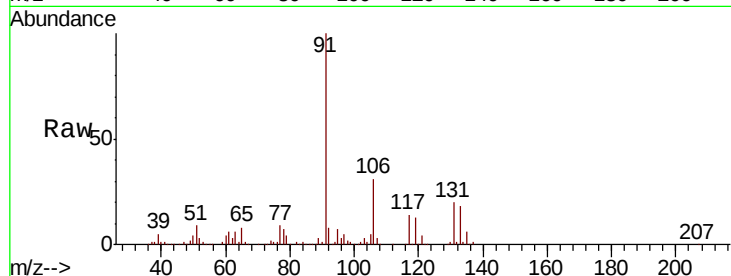
Tot Ion:131 Resp: 237270

Ion Ratio Lower Upper

131 100

133 94.1 0.0 193.4

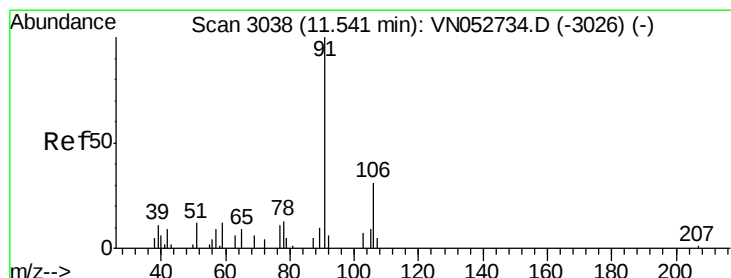
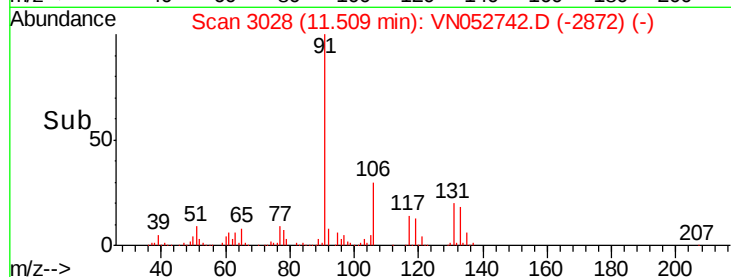
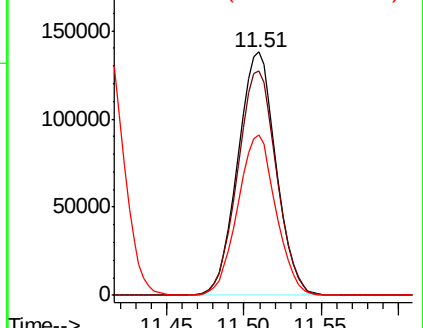
119 65.6 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.205 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052742.D

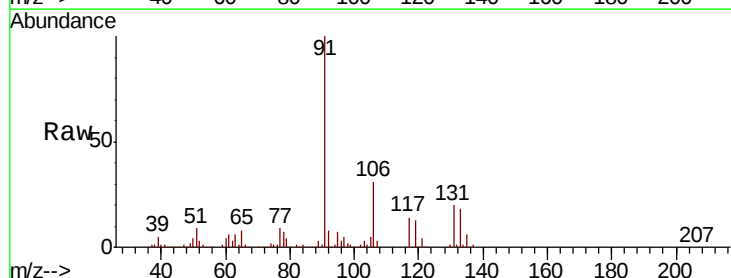
Acq: 10 Dec 2018 9:50

Tgt Ion: 91 Resp: 1153237

Ion Ratio Lower Upper

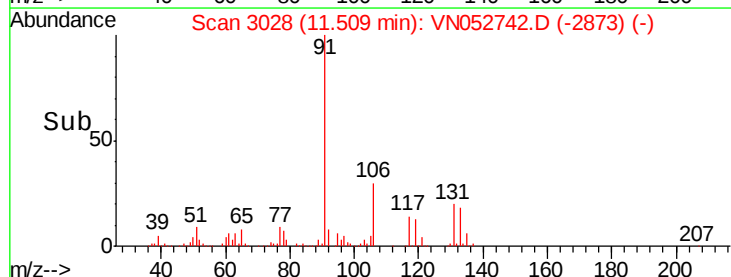
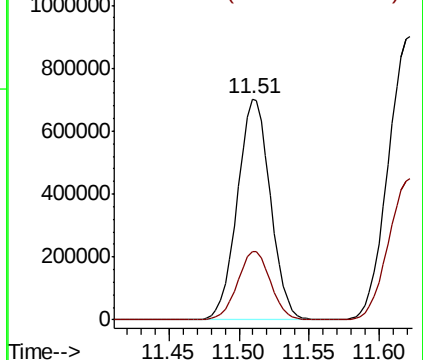
91 100

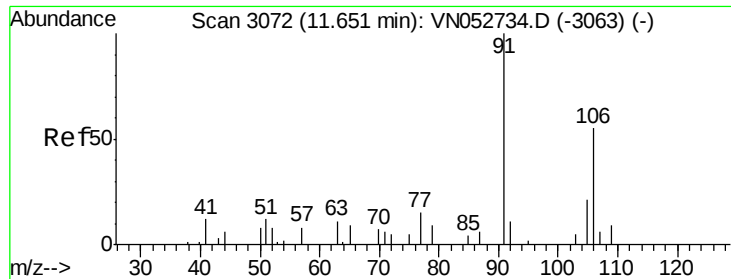
106 30.9 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

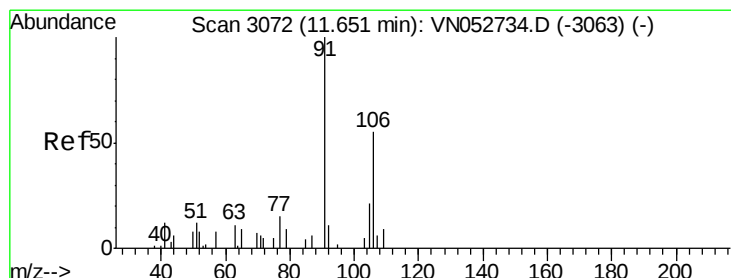
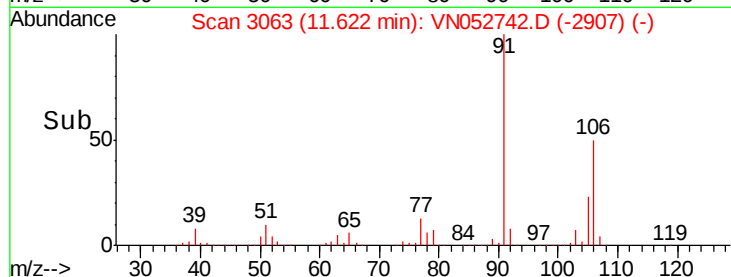
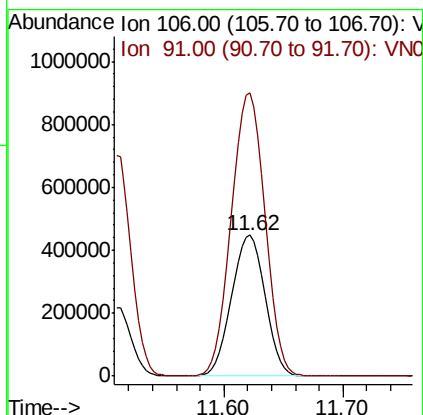
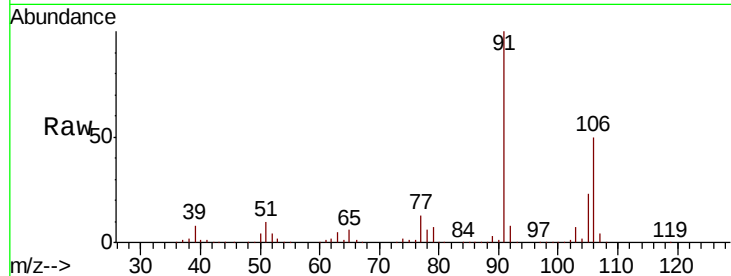




#67
m/p-Xylenes
Concen: 41.213 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

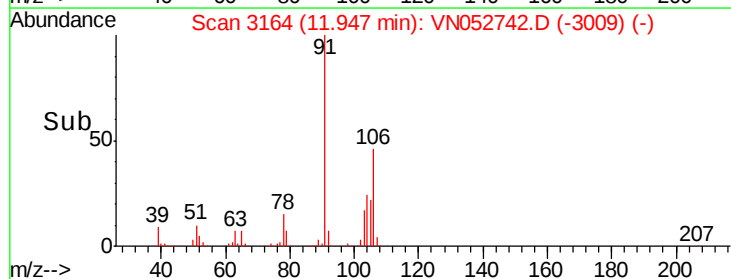
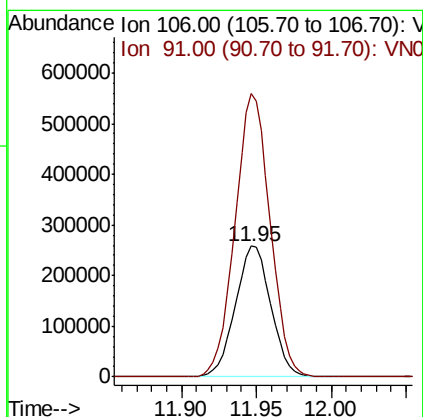
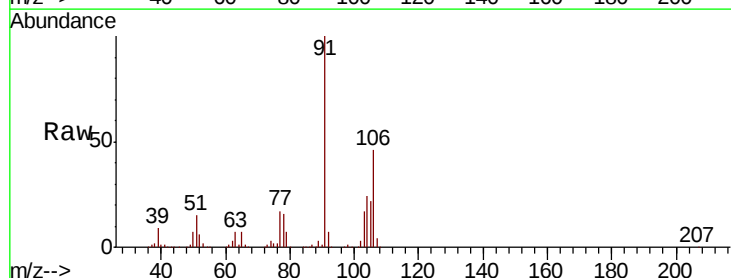
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

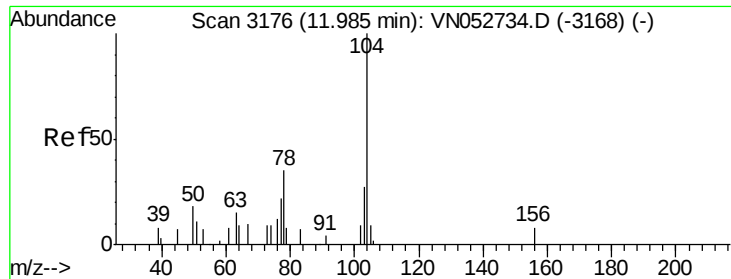
Tot Ion:106 Resp: 876372
Ion Ratio Lower Upper
106 100
91 201.7 163.9 245.9



#68
o-Xylene
Concen: 20.619 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion:106 Resp: 425570
Ion Ratio Lower Upper
106 100
91 213.9 107.8 323.4

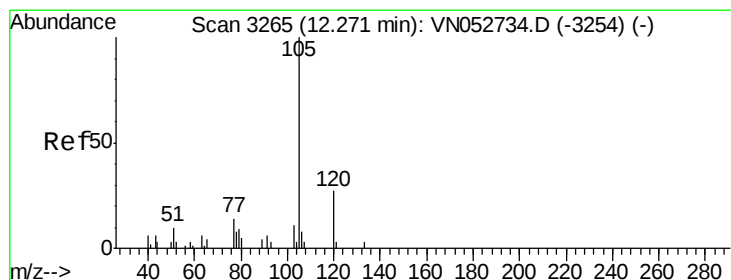
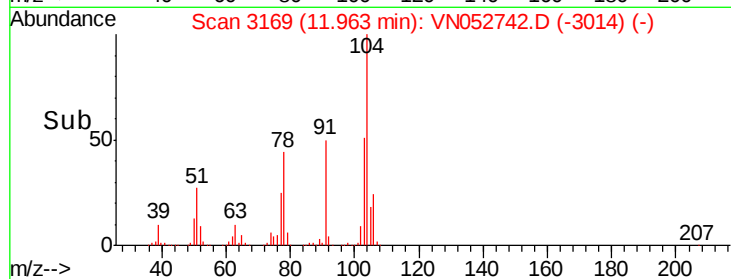
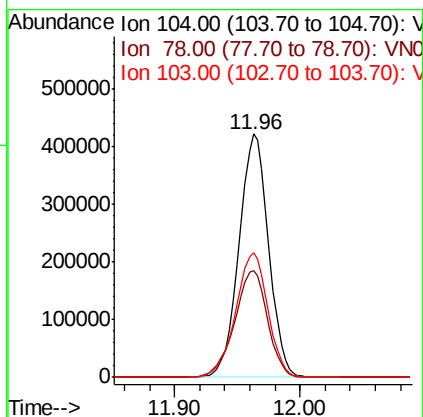
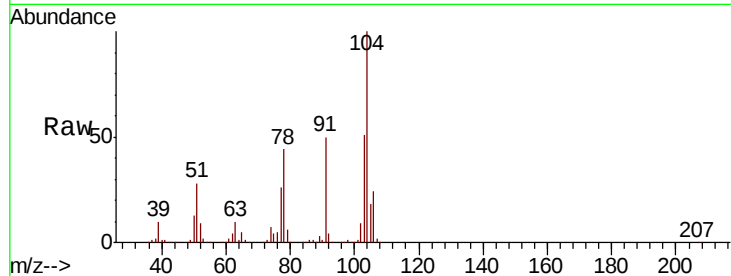




#69
Stvrene
Concen: 20.727 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

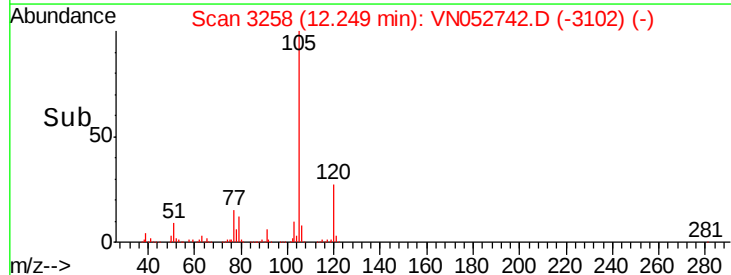
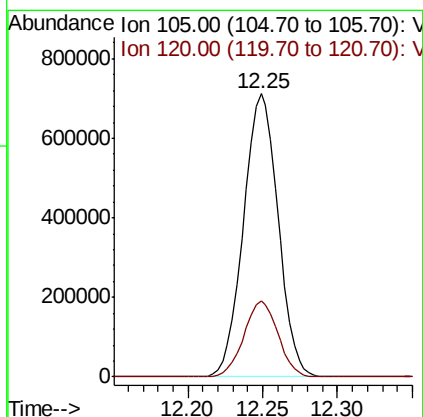
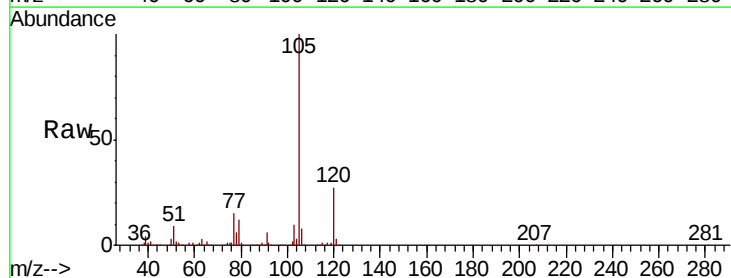
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

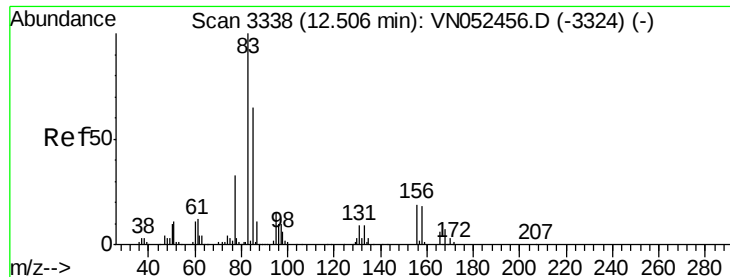
Tot Ion:104 Resp: 690484
Ion Ratio Lower Upper
104 100
78 48.8 39.3 58.9
103 55.7 44.6 66.8



#70
Isopropylbenzene
Concen: 20.889 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion:105 Resp: 1147100
Ion Ratio Lower Upper
105 100
120 26.5 18.6 34.6

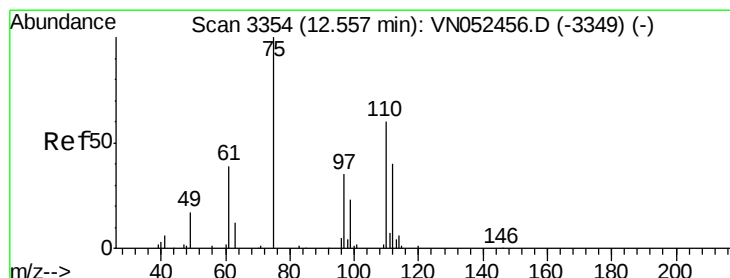
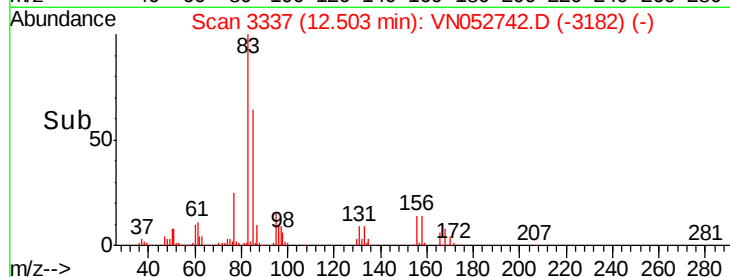
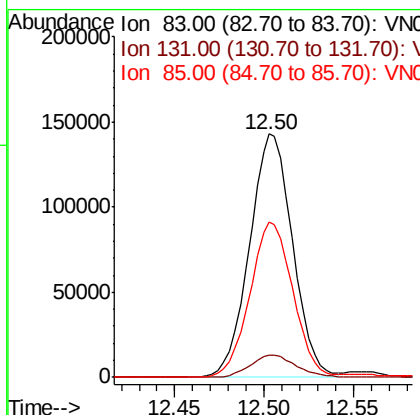
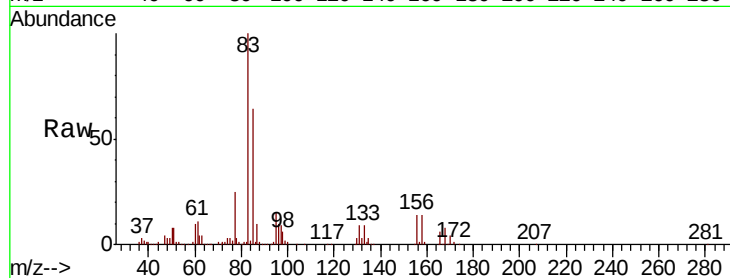




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.213 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

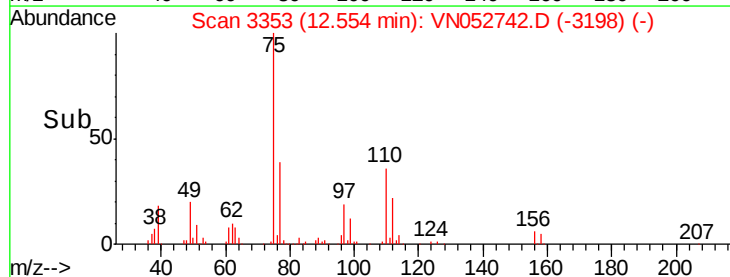
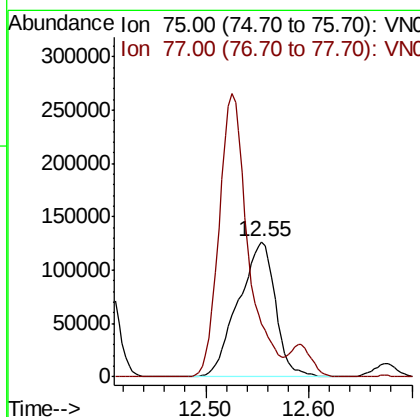
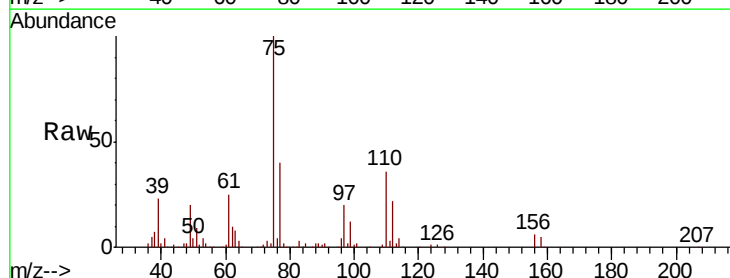
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

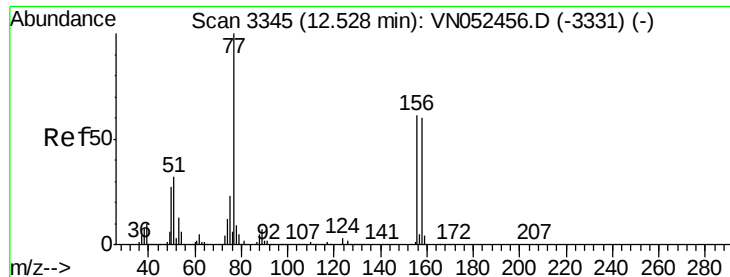
Tot Ion	83	Resp	241460
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	63.6	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 30.820 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion	75	Resp	316046
Ion Ratio	Lower	Upper	
75	100		
77	164.1	0.0	514.8





#73

Bromobenzene

Concen: 21.237 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

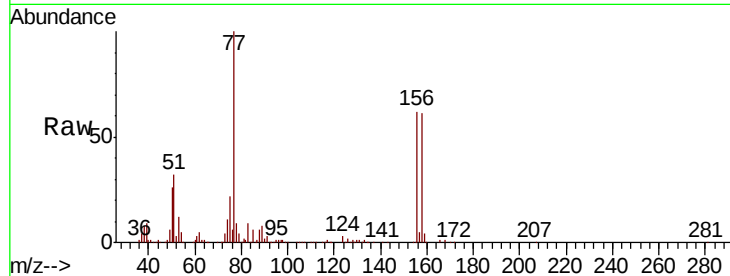
Tot Ion:156 Resp: 282064

Ion Ratio Lower Upper

156 100

77 183.8 0.0 382.6

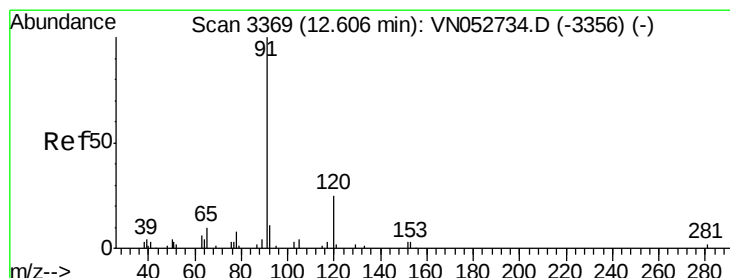
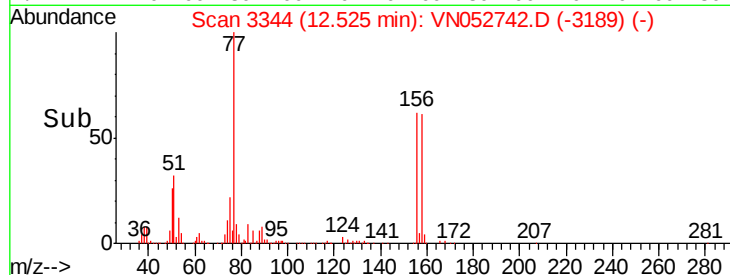
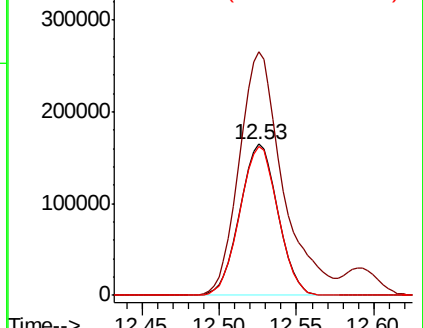
158 98.6 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.642 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052742.D

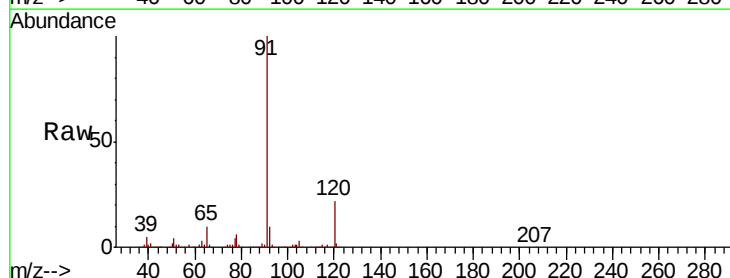
Acq: 10 Dec 2018 9:50

Tgt Ion: 91 Resp: 1320785

Ion Ratio Lower Upper

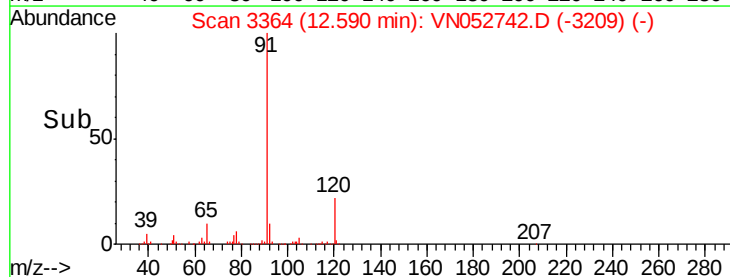
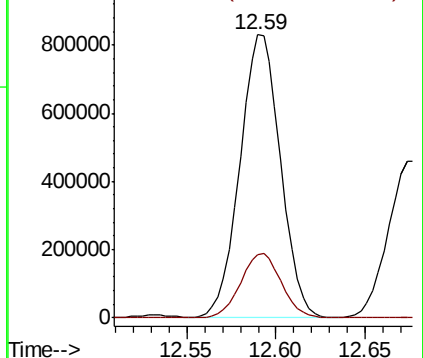
91 100

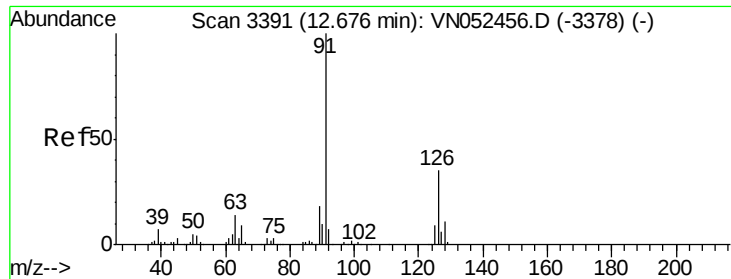
120 22.8 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.488 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

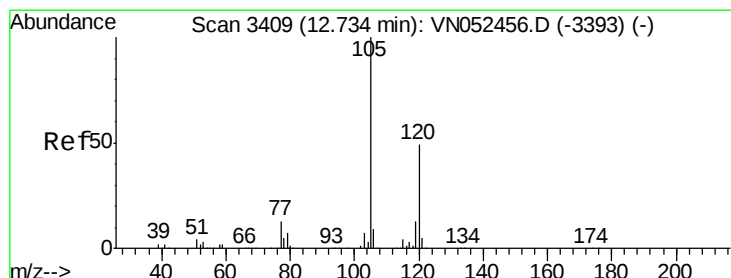
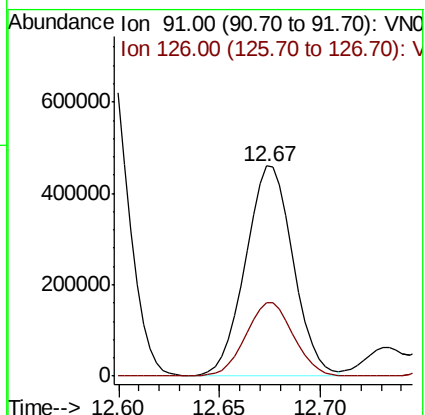
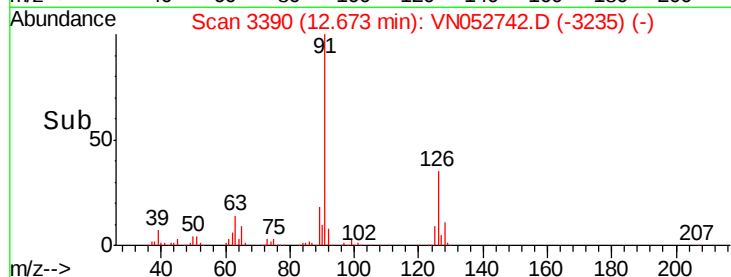
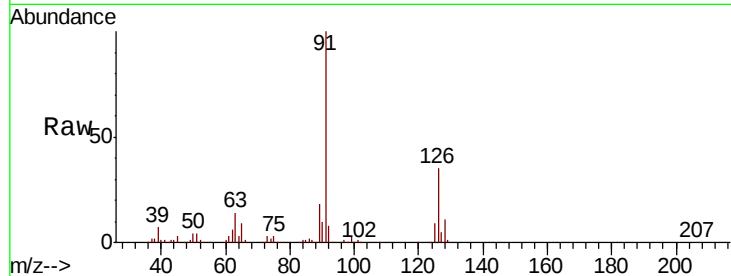
VSTDCCC020

Tot Ion: 91 Resp: 760911

Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 21.004 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052742.D

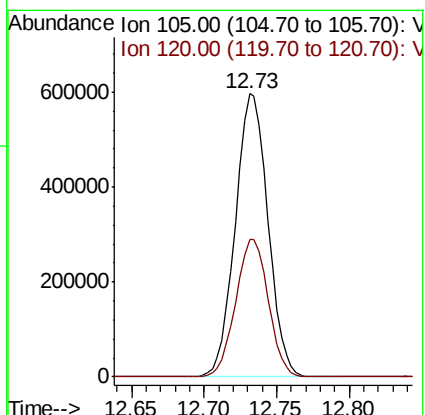
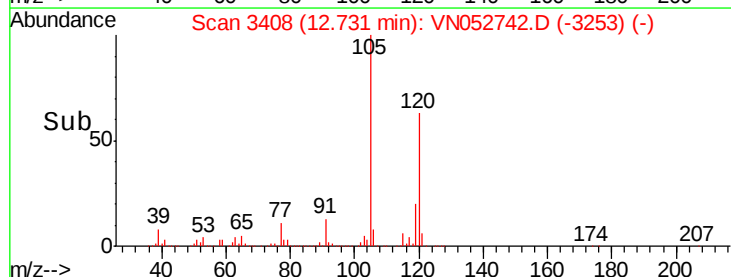
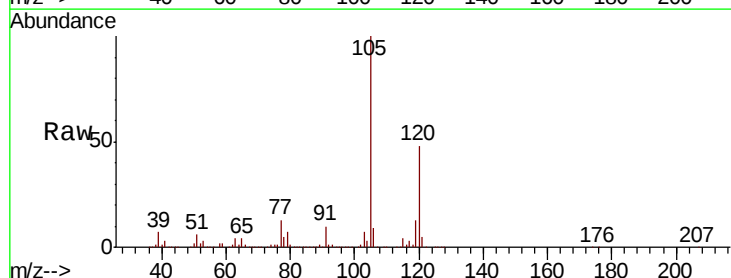
Acq: 10 Dec 2018 9:50

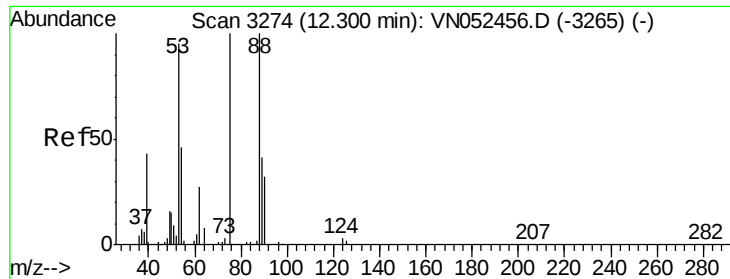
Tgt Ion: 105 Resp: 931643

Ion Ratio Lower Upper

105 100

120 48.7 0.0 97.4



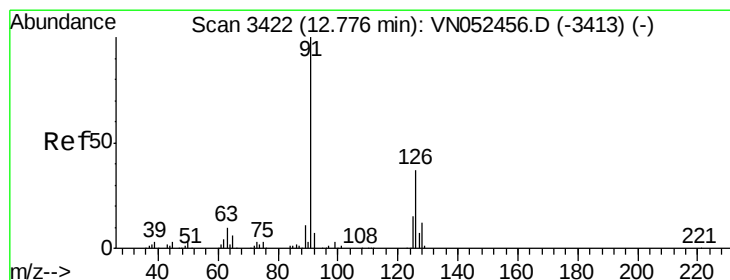
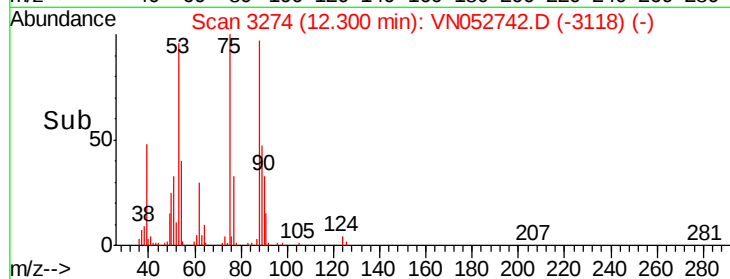
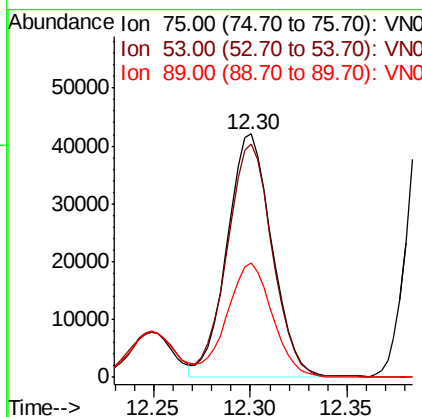
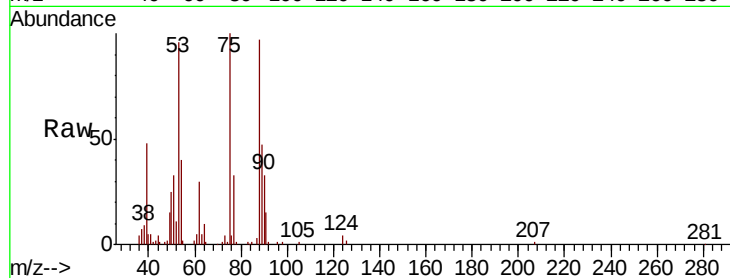


#77
t-1,4-Dichloro-2-butene
Concen: 21.033 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 75 Resp: 68132

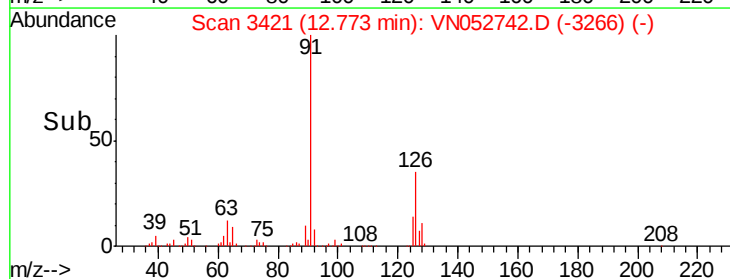
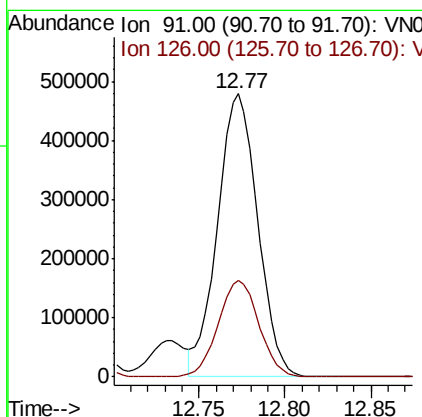
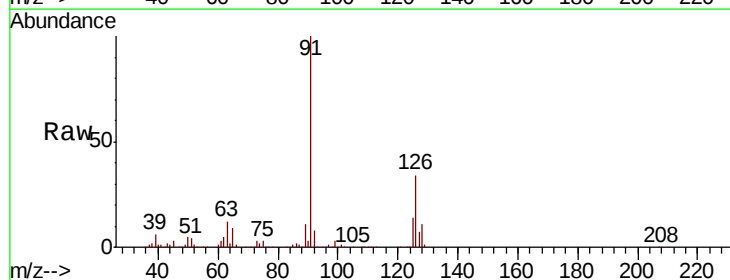
Ion	Ratio	Lower	Upper
75	100		
53	95.9	48.5	145.6
89	47.4	21.7	65.1



#78
4-Chlorotoluene
Concen: 20.978 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052742.D
Acq: 10 Dec 2018 9:50

Tgt Ion: 91 Resp: 778024

Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.2





#79

tert-butylbenzene

Concen: 21.408 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

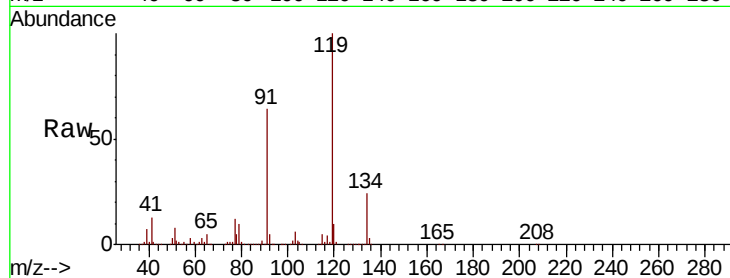
Tot Ion:119 Resp: 826945

Ion Ratio Lower Upper

119 100

91 63.7 0.0 129.8

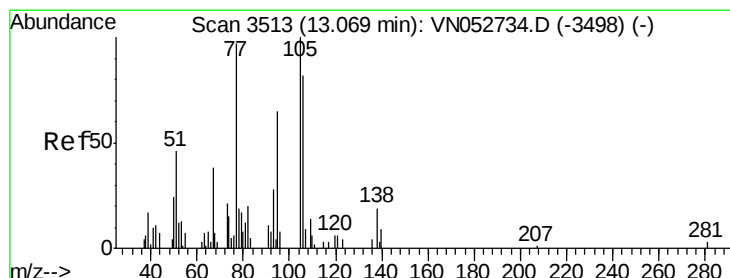
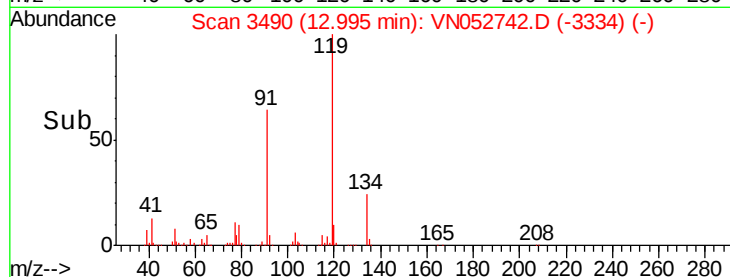
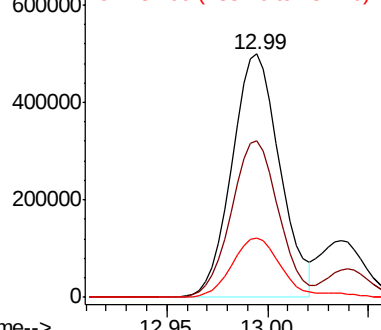
134 24.5 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 21.113 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052742.D

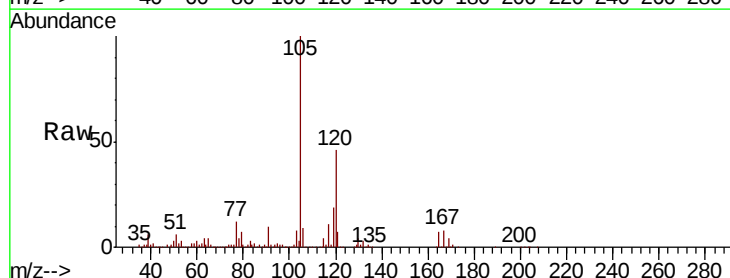
Acq: 10 Dec 2018 9:50

Tgt Ion:105 Resp: 937040

Ion Ratio Lower Upper

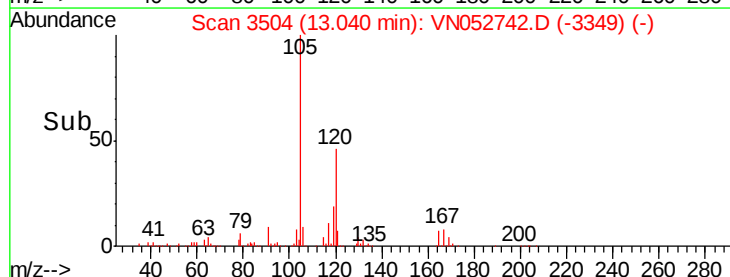
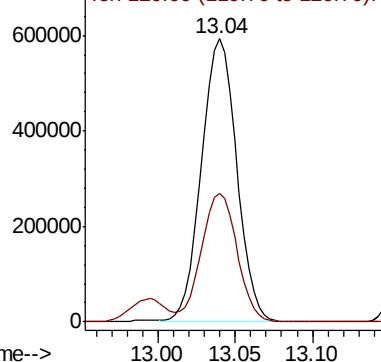
105 100

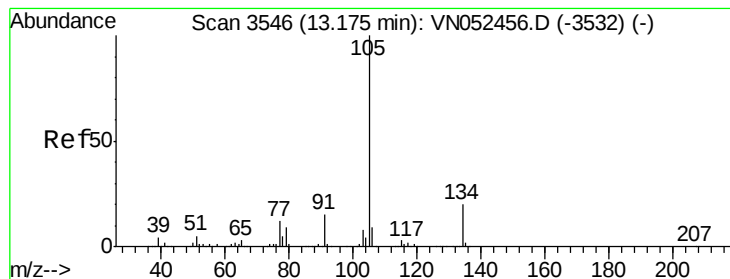
120 46.0 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 20.986 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

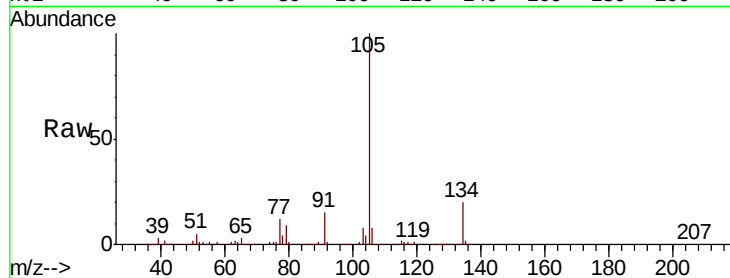
VSTDCCC020

Tot Ion:105 Resp: 1129118

Ion Ratio Lower Upper

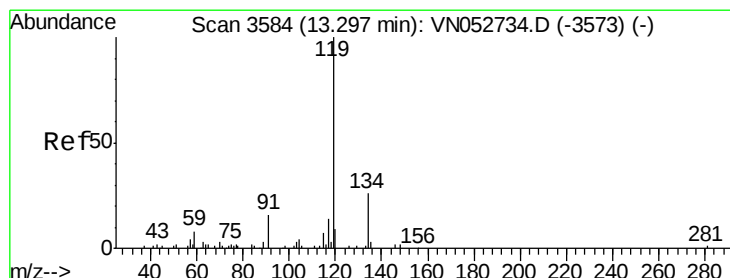
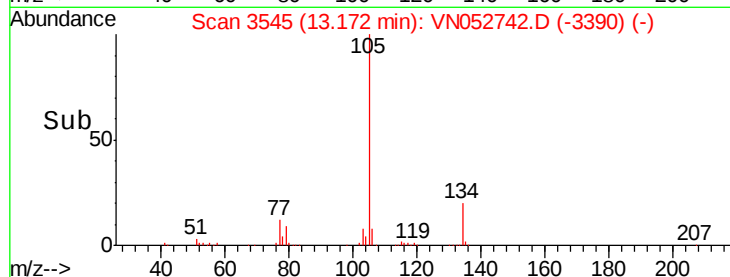
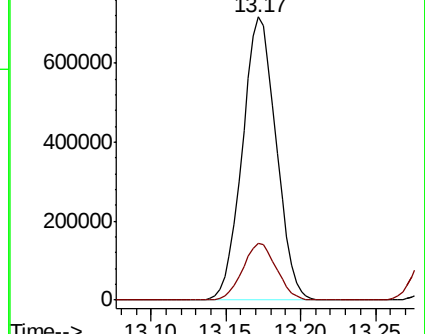
105 100

134 20.0 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 21.446 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

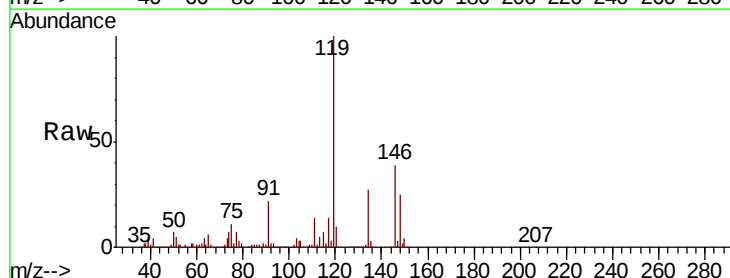
Tgt Ion:119 Resp: 982556

Ion Ratio Lower Upper

119 100

134 26.7 0.0 52.6

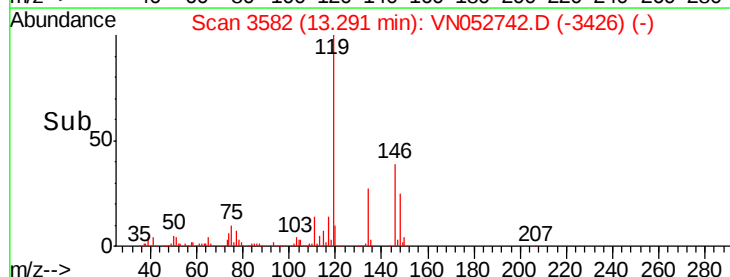
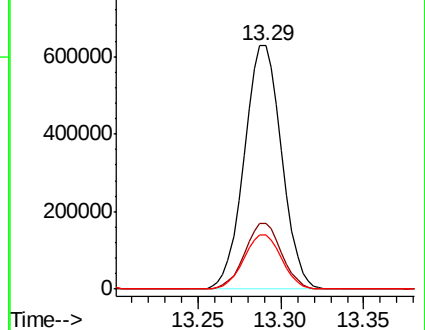
91 22.4 0.0 46.2

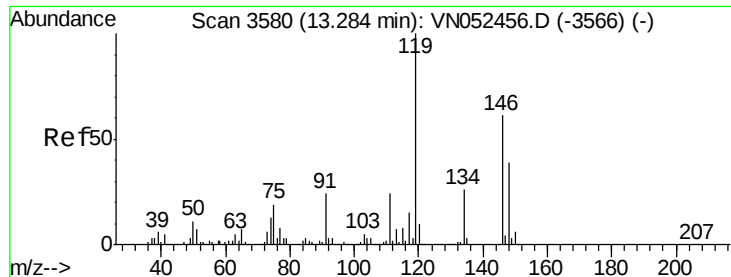


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

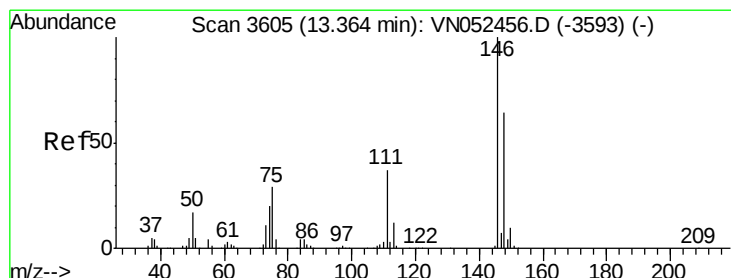
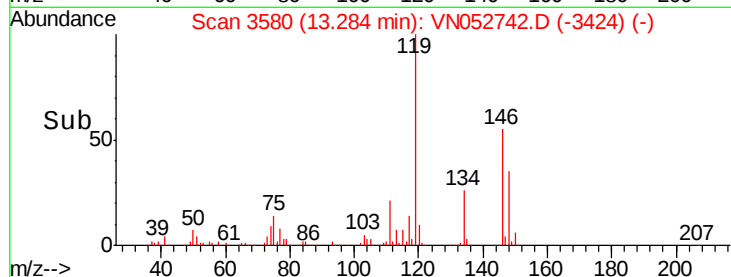
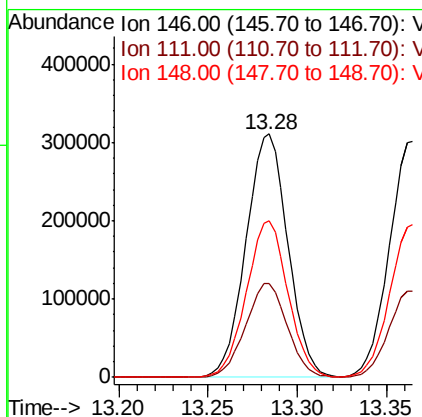
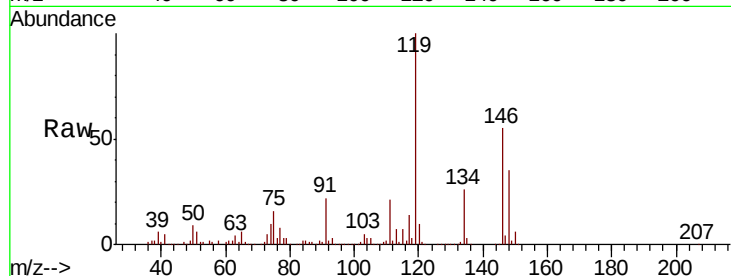




#83
 1,3-Dichlorobenzene
 Concen: 21.787 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

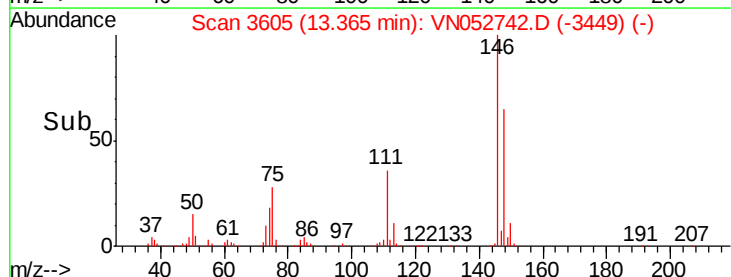
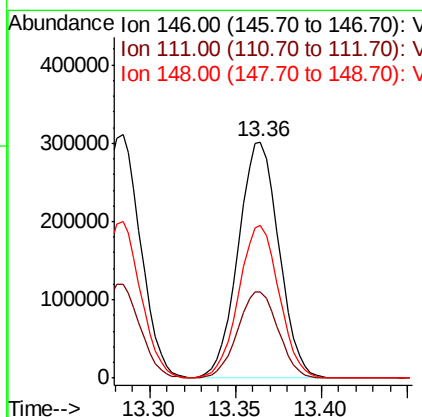
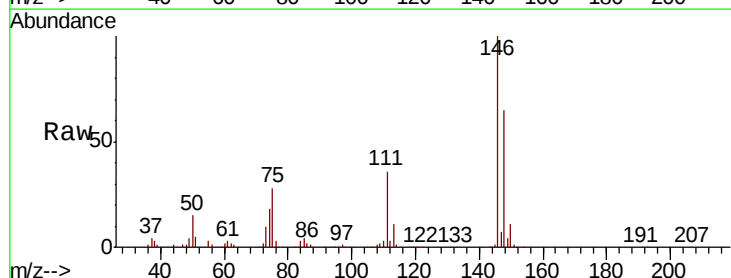
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

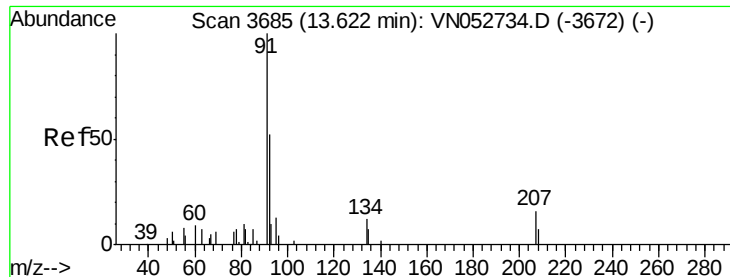
Tot Ion:146 Resp: 508914
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.7 59.0
 148 63.5 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 21.994 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion:146 Resp: 496372
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.8 56.3
 148 64.3 32.5 97.4





#85

n-Butylbenzene

Concen: 21.259 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

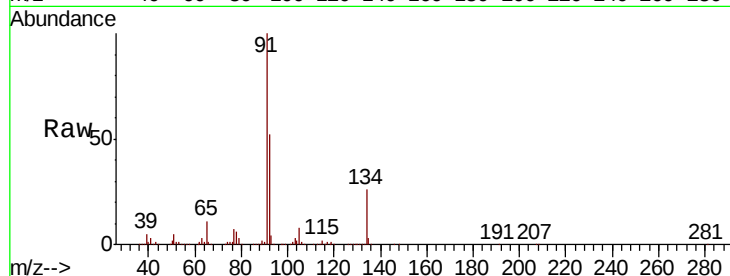
Tot Ion: 91 Resp: 836607

Ion Ratio Lower Upper

91 100

92 52.4 0.0 104.2

134 25.8 0.0 50.6

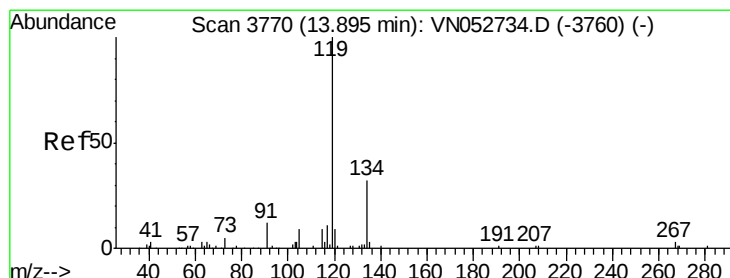
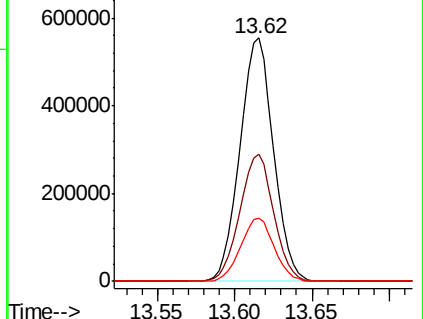
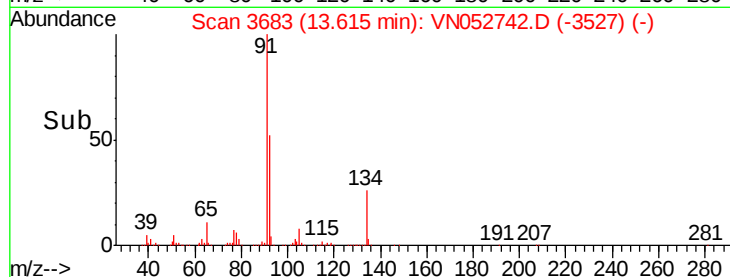


Abundance Ion 91.00 (90.70 to 91.70): VN052734.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN052734.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN052734.D (-3672) (-)

Time-->



#86

Hexachloroethane

Concen: 20.178 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052742.D

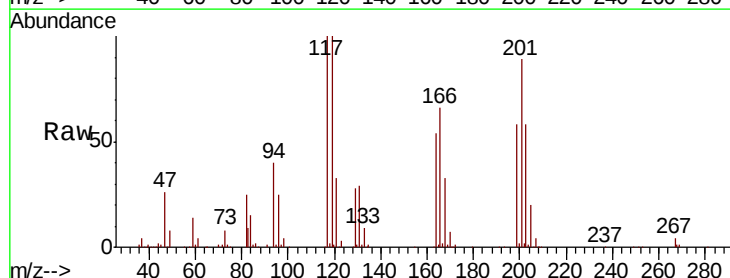
Acq: 10 Dec 2018 9:50

Tgt Ion: 117 Resp: 156632

Ion Ratio Lower Upper

117 100

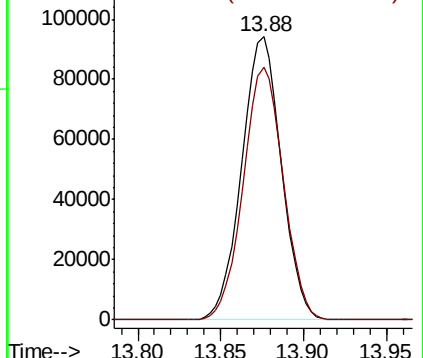
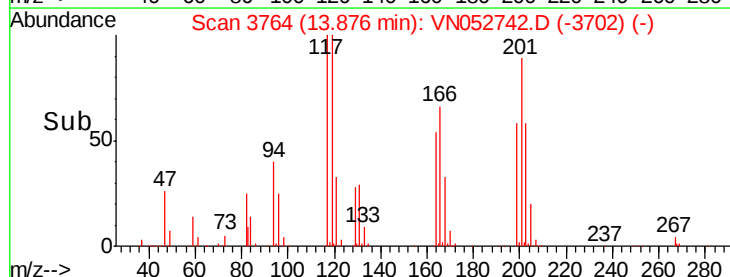
201 90.2 43.8 131.3

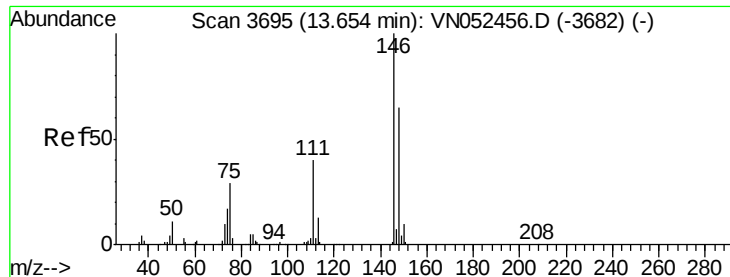


Abundance Ion 117.00 (116.70 to 117.70): VN052734.D (-3760) (-)

Ion 201.00 (200.70 to 201.70): VN052734.D (-3760) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 22.117 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

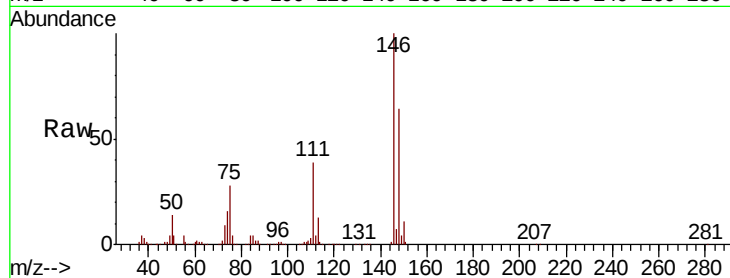
Tot Ion:146 Resp: 491641

Ion Ratio Lower Upper

146 100

111 39.5 20.3 60.8

148 63.6 32.1 96.5

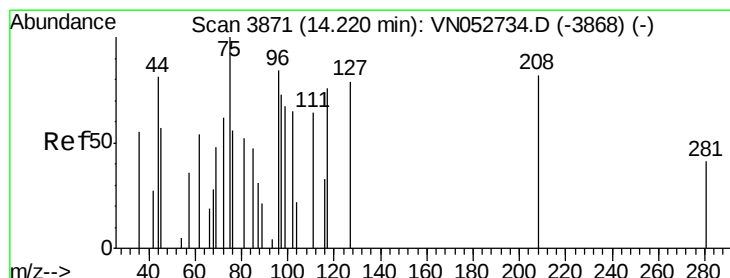
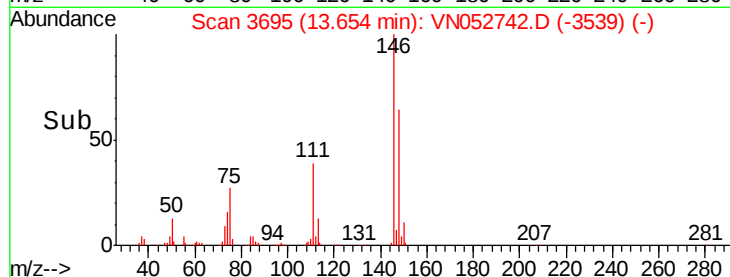
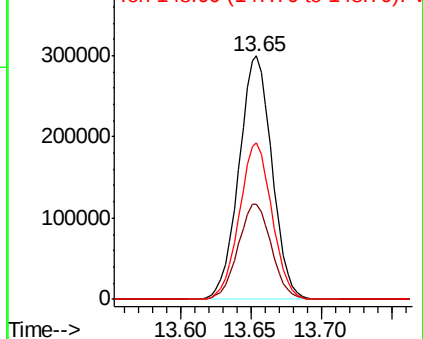


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 23.306 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

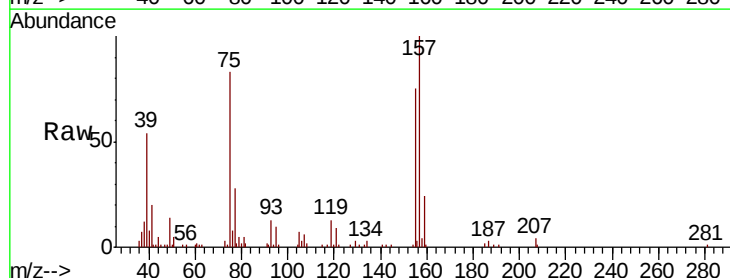
Tgt Ion: 75 Resp: 38997

Ion Ratio Lower Upper

75 100

155 91.3 72.2 108.2

157 121.1 94.2 141.2

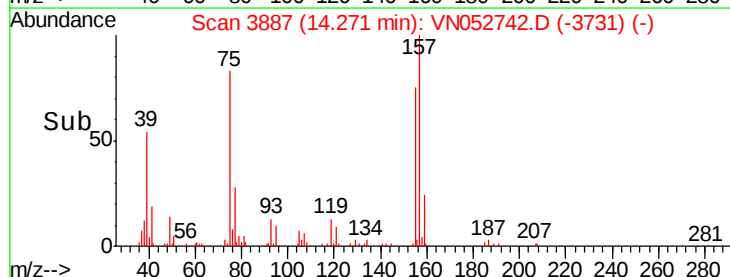
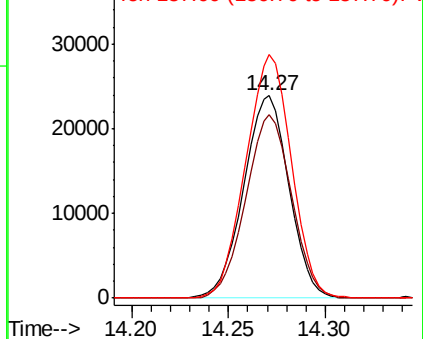


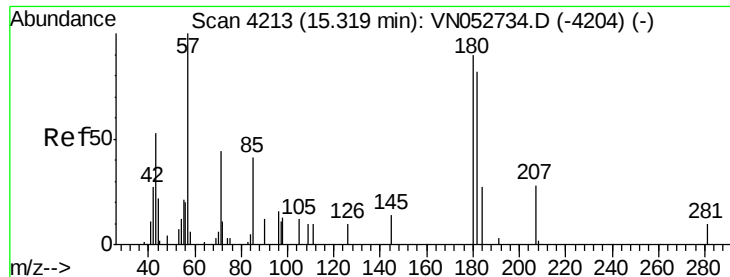
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

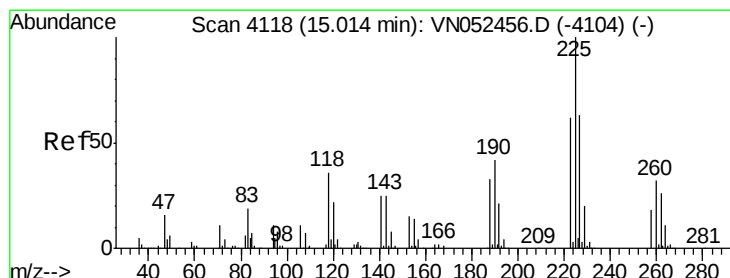
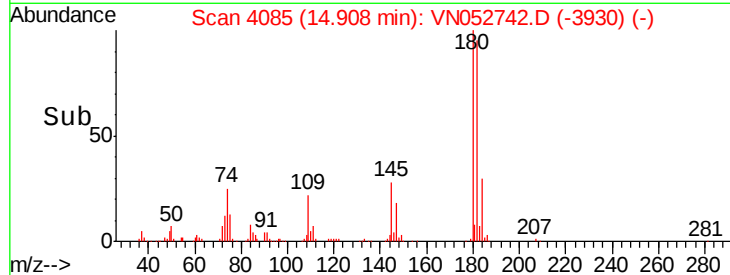
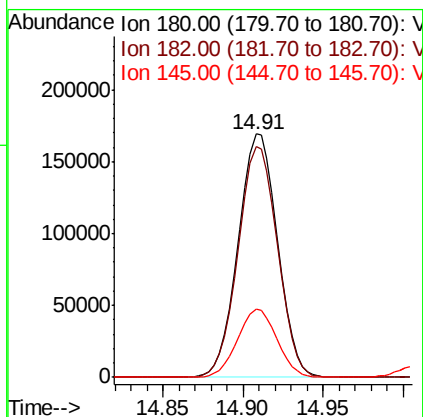
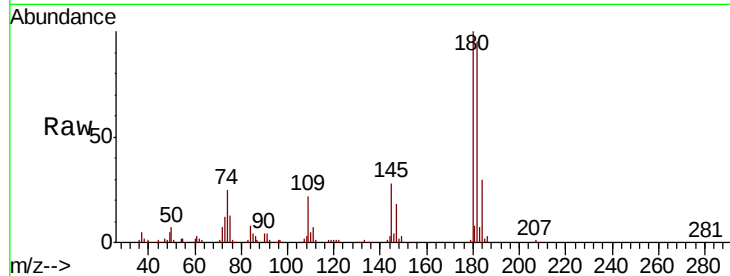




#89
 1,2,4-Trichlorobenzene
 Concen: 25.833 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

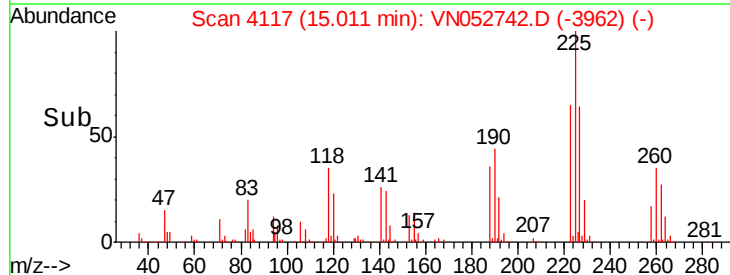
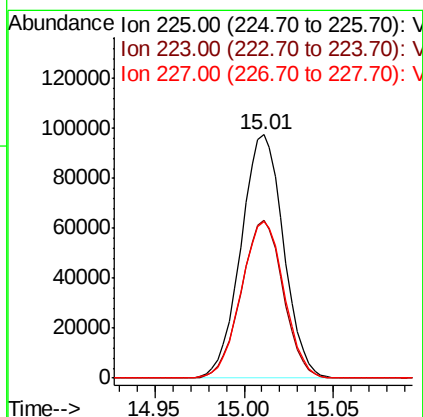
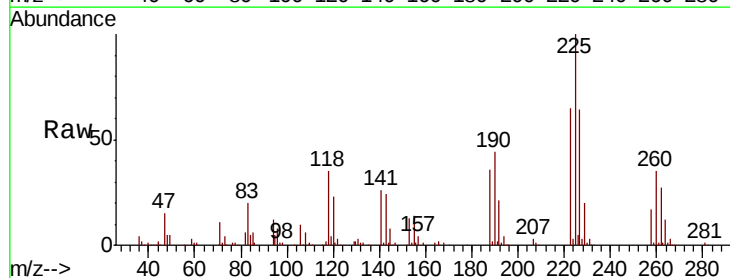
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

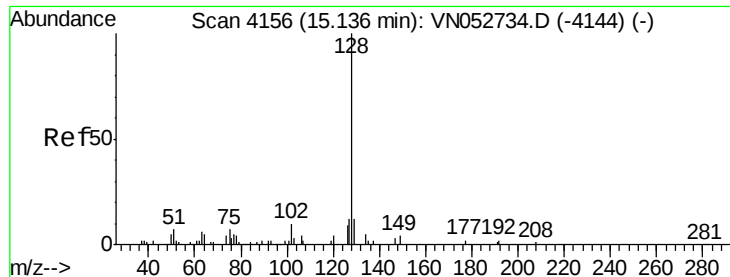
Tot Ion:180 Resp: 282918
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.6 114.8
 145 28.1 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 22.624 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052742.D
 Acq: 10 Dec 2018 9:50

Tgt Ion:225 Resp: 162536
 Ion Ratio Lower Upper
 225 100
 223 63.8 0.0 125.6
 227 64.8 0.0 127.8





#91

Naphthalene

Concen: 26.706 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

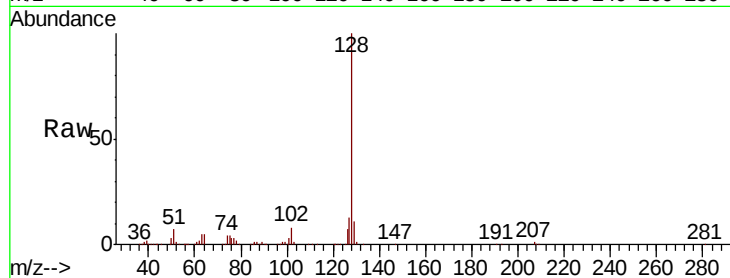
Tot Ion:128 Resp: 590619

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

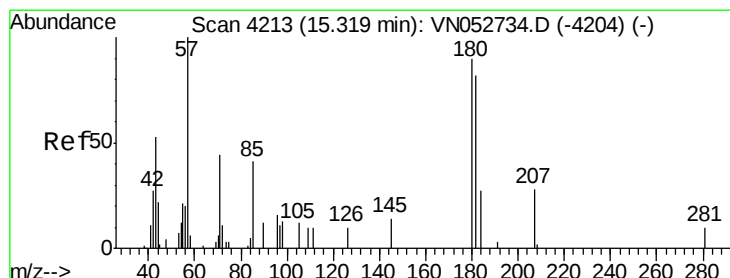
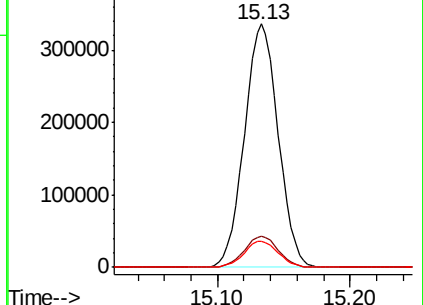
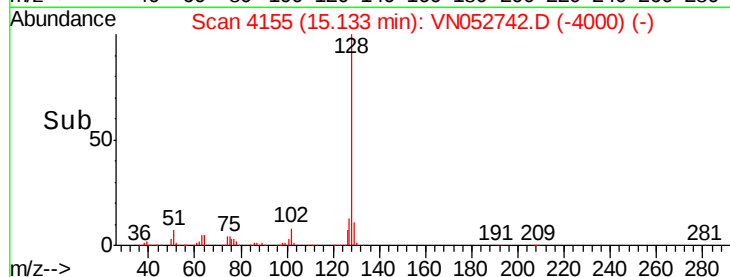
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 25.335 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052742.D

Acq: 10 Dec 2018 9:50

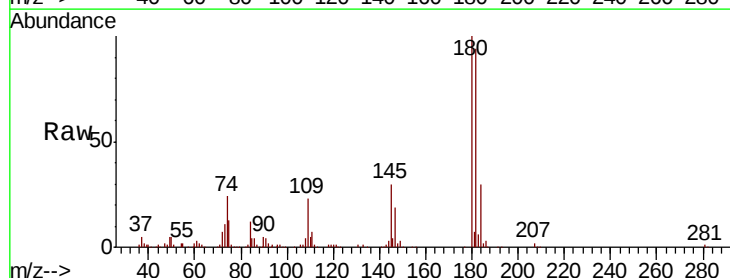
Tgt Ion:180 Resp: 255699

Ion Ratio Lower Upper

180 100

182 96.2 0.0 196.2

145 30.5 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

