

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052764.D
 Acq On : 10 Dec 2018 20:04
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 11 00:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161168	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	931232	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	815708	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	322619	29.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.93%
60) 4-Bromofluorobenzene	12.40	95	370847	29.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.13%
63) Toluene-d8	10.09	98	1096574	28.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	160258	17.459	ug/l 99
3) Chloromethane	2.06	50	212496	17.456	ug/l 97
4) Vinyl Chloride	2.19	62	223071	18.156	ug/l 97
5) Bromomethane	2.58	94	118742	16.950	ug/l 100
6) Chloroethane	2.71	64	136025	18.617	ug/l 98
7) Trichlorofluoromethane	3.03	101	288675	19.038	ug/l 99
8) Diethyl Ether	3.41	74	112165	20.033	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	176734	18.386	ug/l 96
10) 1,1-Dichloroethene	3.74	96	172267	19.060	ug/l 97
11) Methyl Iodide	3.96	142	215483	17.172	ug/l 99
12) Methyl Acetate	4.33	43	161811	21.071	ug/l 98
13) Acrolein	3.61	56	51139	56.692	ug/l 96
14) Acrylonitrile	4.99	53	336438	102.824	ug/l 98
15) Acetone	3.82	58	76332	90.081	ug/l 97
16) Carbon Disulfide	4.06	76	479915	16.772	ug/l 100
17) Allyl chloride	4.33	41	271509	17.226	ug/l 98
18) Methylene Chloride	4.56	84	204293	19.522	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	186808	19.206	ug/l 94
20) Diisopropyl ether	5.95	45	634388	19.152	ug/l 98
21) 1,1-Dichloroethane	5.85	63	363606	19.260	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	219099	19.655	ug/l 97
23) tert-Butyl Alcohol	4.77	59	58509	120.206	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	501364	21.146	ug/l 98
25) Chloroform	7.37	83	354726	19.477	ug/l 99
26) Cyclohexane	7.66	56	317760	17.846	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	269488	18.950	ug/l 99
30) 2-Butanone	6.84	43	376699	98.994	ug/l 98
31) 2,2-Dichloropropane	6.83	77	248179	18.956	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	296070	20.009	ug/l 97
33) Carbon Tetrachloride	7.78	117	252592	19.509	ug/l 97
34) Benzene	8.04	78	830951	19.435	ug/l 98
35) Methacrylonitrile	7.17	41	96349	20.408	ug/l 97
36) 1,2-Dichloroethane	8.12	62	254335	19.630	ug/l 98
37) Trichloroethene	8.84	130	222992	20.568	ug/l 96
38) Methylcyclohexane	9.08	83	312562	17.755	ug/l 97
39) 1,2-Dichloropropane	9.12	63	221111	19.293	ug/l 98
40) Dibromomethane	9.21	93	126859	20.483	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	266119	19.448	ug/l	99
42) Vinyl Acetate	5.90	43	1914984	93.010	ug/l	98
43) Ethyl Acetate	6.93	43	169700	20.973	ug/l #	69
45) 1,4-Dioxane	9.20	88	32127	413.829	ug/l	93
46) Methyl methacrylate	9.20	41	153938	20.892	ug/l	97
47) n-amyl Acetate	12.07	43	261566	22.230	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	259120	19.530	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	310234	19.192	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	182243	20.759	ug/l	99
51) Ethyl methacrylate	10.43	69	239180	21.692	ug/l	96
52) 1,3-Dichloropropane	10.71	76	315615	20.197	ug/l	99
53) Dibromochloromethane	10.90	129	196280	20.307	ug/l	96
54) 1,2-Dibromoethane	11.01	107	178510	20.808	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	679195	105.233	ug/l	98
56) Bromoform	12.13	173	131192	20.766	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	865113	109.396	ug/l	99
59) 2-Hexanone	10.75	43	575137	106.465	ug/l	98
61) Tetrachloroethene	10.63	164	233873	23.279	ug/l	96
62) Toluene	10.16	91	882112	19.617	ug/l	100
64) Chlorobenzene	11.43	112	549360	20.015	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	192740	20.231	ug/l	99
66) Ethyl Benzene	11.51	91	941905	19.435	ug/l	99
67) m/p-Xylenes	11.62	106	716467	39.681	ug/l	98
68) o-Xylene	11.95	106	352960	20.141	ug/l	99
69) Styrene	11.96	104	561893	19.864	ug/l	100
70) Isopropylbenzene	12.25	105	933144	20.012	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	211296	20.832	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	269527	30.955	ug/l	45
73) Bromobenzene	12.53	156	234807	20.821	ug/l	96
74) n-propylbenzene	12.59	91	1053139	19.385	ug/l	99
75) 2-Chlorotoluene	12.67	91	631319	20.020	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	747996	19.861	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	53422	19.422	ug/l	99
78) 4-Chlorotoluene	12.77	91	629517	19.990	ug/l	99
79) tert-butylbenzene	12.99	119	668111	20.370	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	774335	20.547	ug/l	99
81) sec-Butylbenzene	13.17	105	893545	19.559	ug/l	100
82) p-Isopropyltoluene	13.29	119	772755	19.864	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	406335	20.487	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	400123	20.880	ug/l	99
85) n-Butylbenzene	13.62	91	624188	18.680	ug/l	99
86) Hexachloroethane	13.88	117	125386	19.023	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	400791	21.235	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	32393	22.799	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	211222	22.714	ug/l	99
90) Hexachlorobutadiene	15.01	225	119796	19.638	ug/l	99
91) Naphthalene	15.13	128	470108	25.034	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	196624	22.944	ug/l	98

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QLast Update : Tue Nov 27 00:48:33 2018
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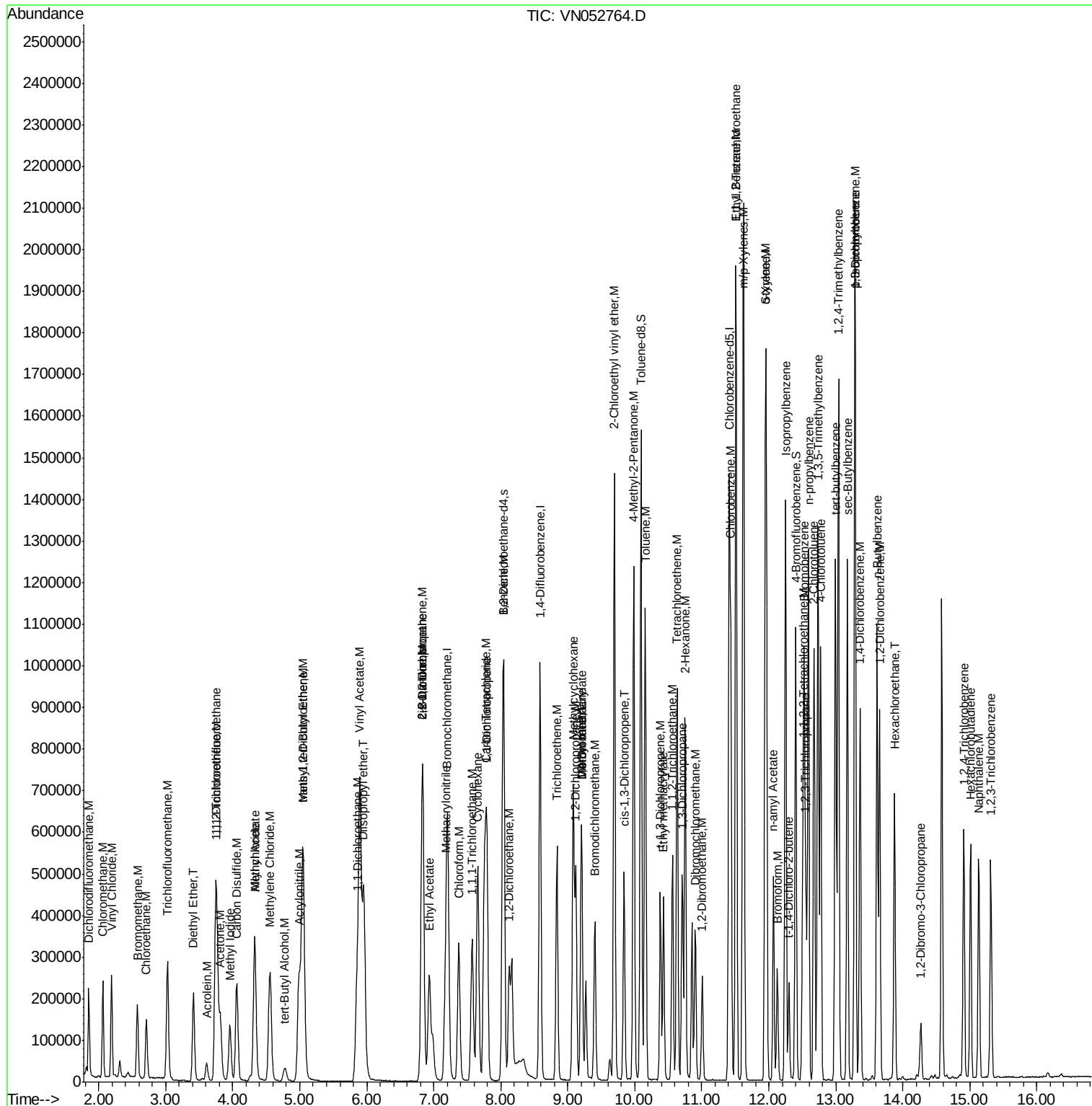
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

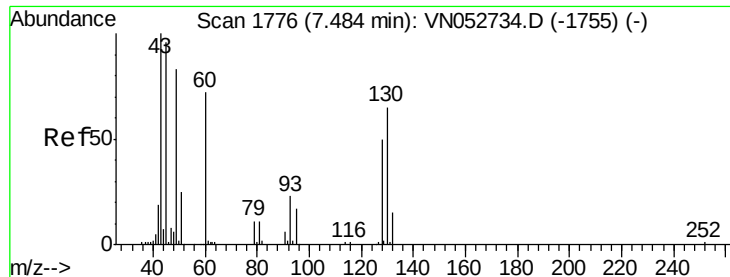
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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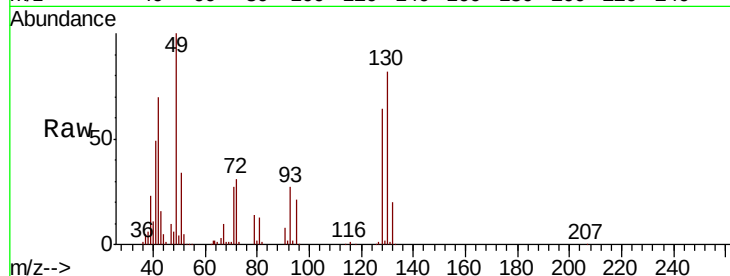




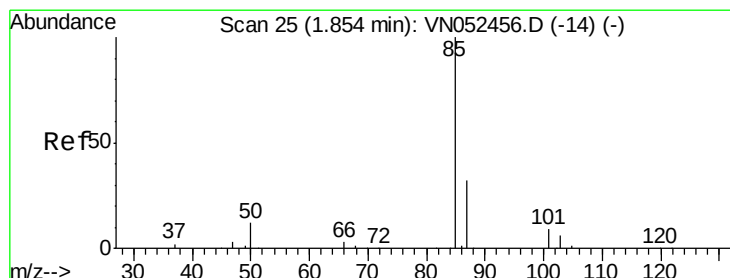
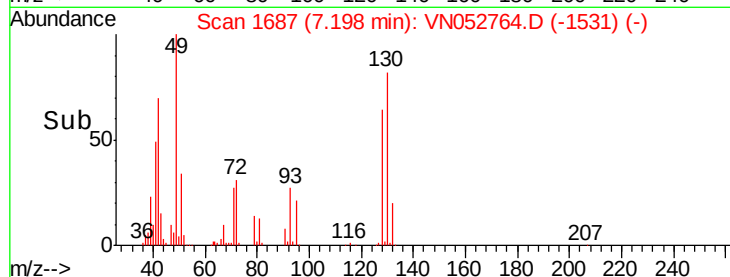
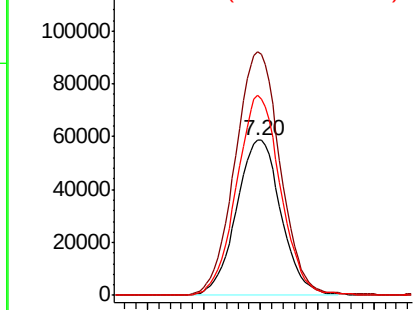
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 161168
Ion Ratio Lower Upper
128 100
49 159.0 0.0 431.8
130 127.2 0.0 317.0

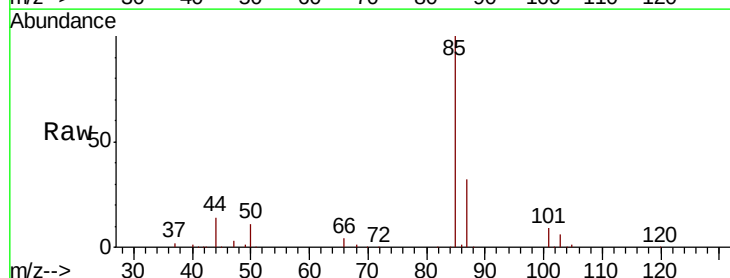


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

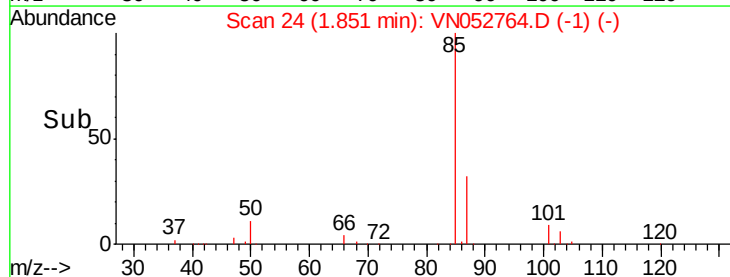
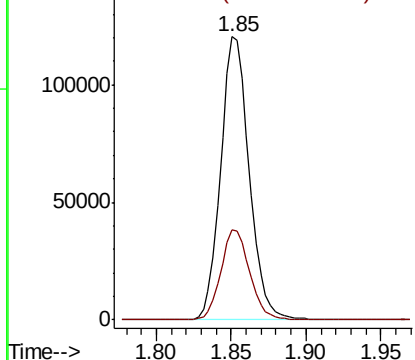


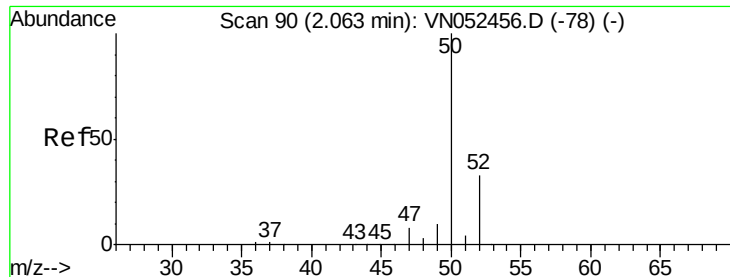
#2
Dichlorodifluoromethane
Concen: 17.459 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 85 Resp: 160258
Ion Ratio Lower Upper
85 100
87 31.6 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: 17.456 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

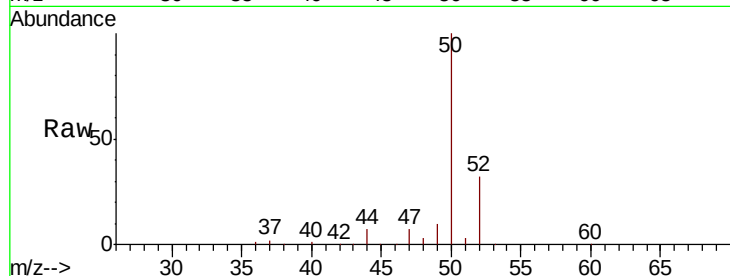
VSTDCCC020EC

Tot Ion: 50 Resp: 212496

Ion Ratio Lower Upper

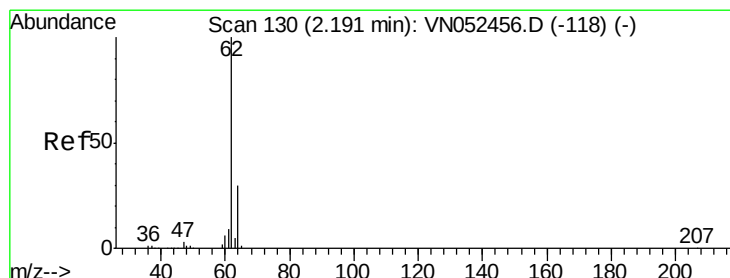
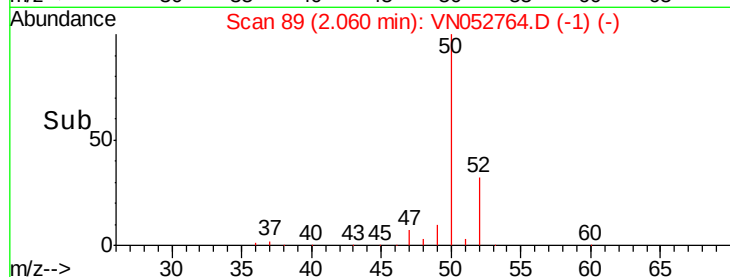
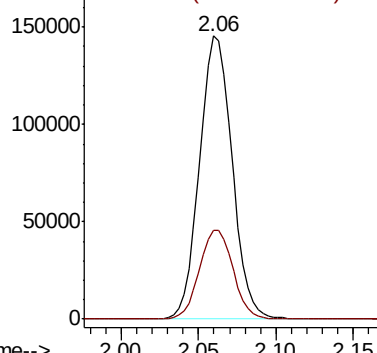
50 100

52 31.6 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.156 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052764.D

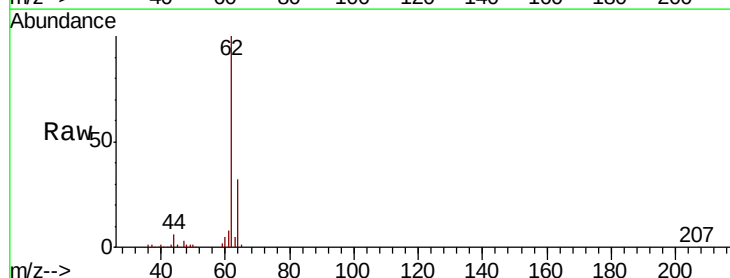
Acq: 10 Dec 2018 20:04

Tgt Ion: 62 Resp: 223071

Ion Ratio Lower Upper

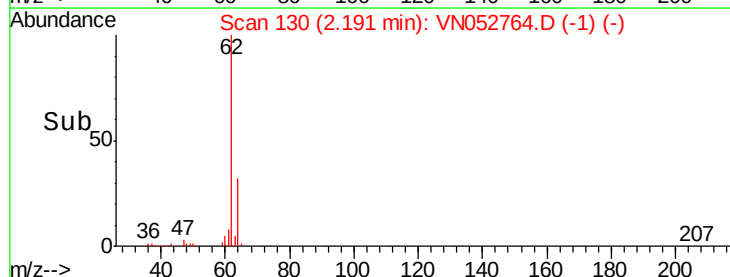
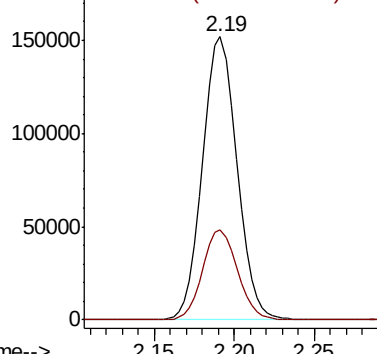
62 100

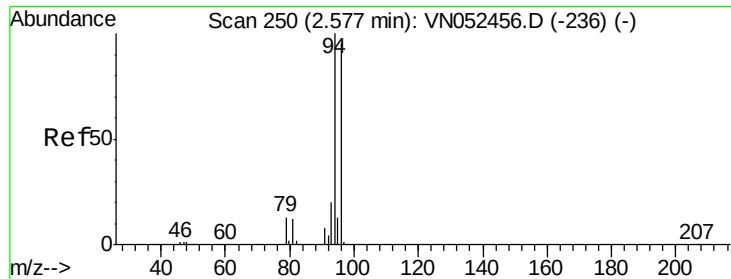
64 31.7 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 16.950 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

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ClientSampleId :

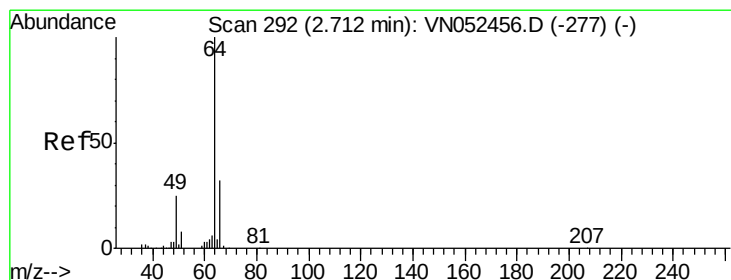
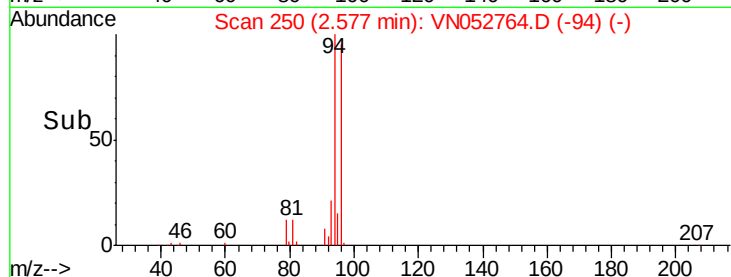
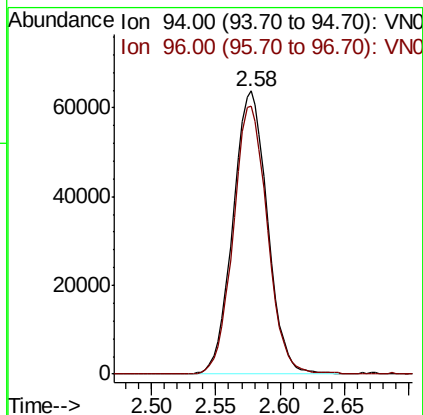
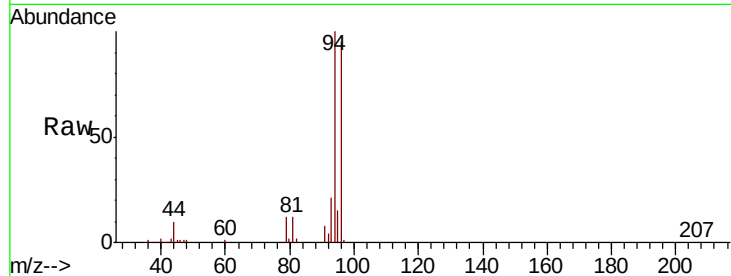
VSTDCCC020EC

Tot Ion: 94 Resp: 118742

Ion Ratio Lower Upper

94 100

96 94.9 76.2 114.2



#6

Chloroethane

Concen: 18.617 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052764.D

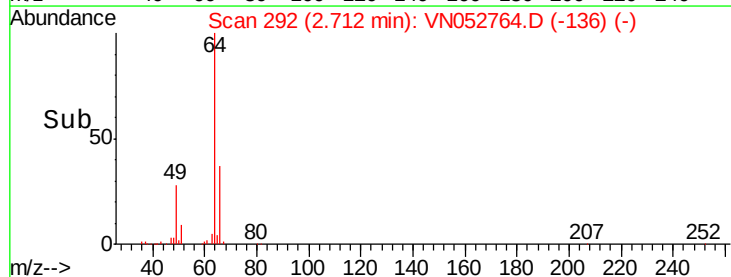
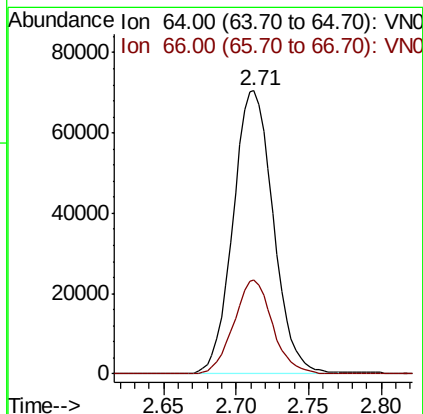
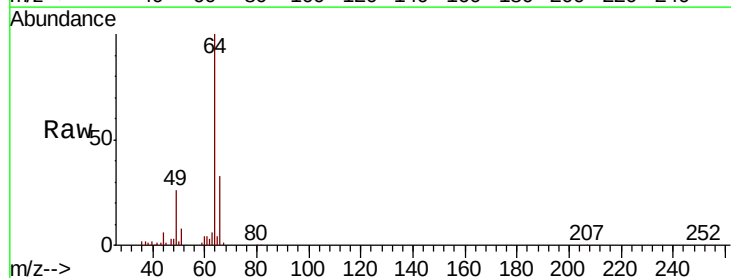
Acq: 10 Dec 2018 20:04

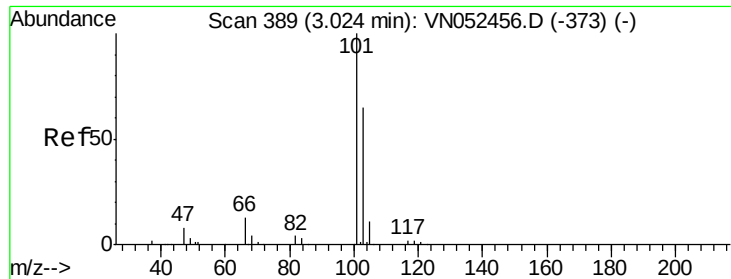
Tgt Ion: 64 Resp: 136025

Ion Ratio Lower Upper

64 100

66 33.4 25.6 38.4



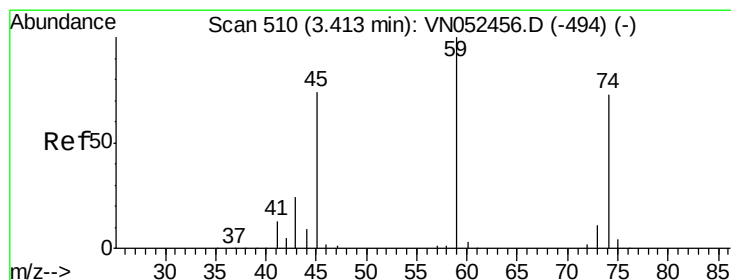
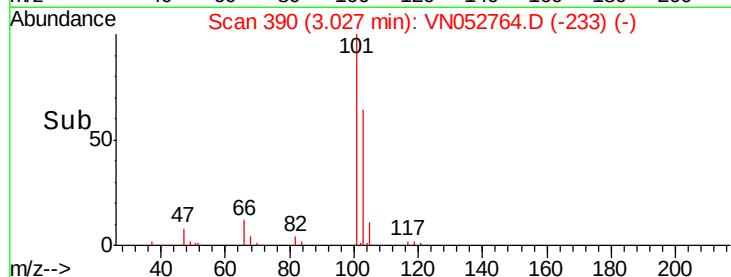
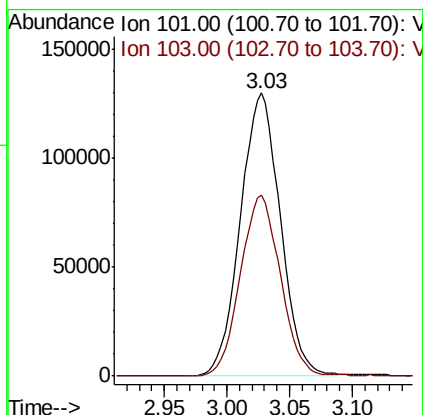
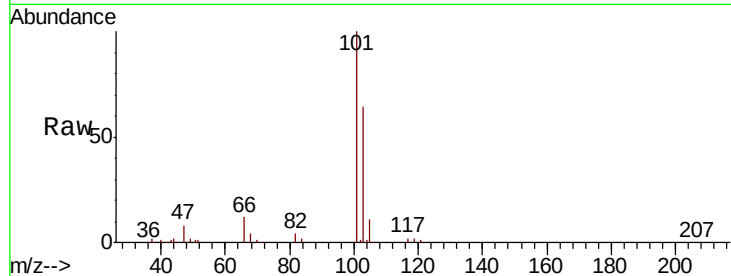


#7

Trichlorofluoromethane
 Concen: 19.038 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Instrument :
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 VSTDCCC020EC

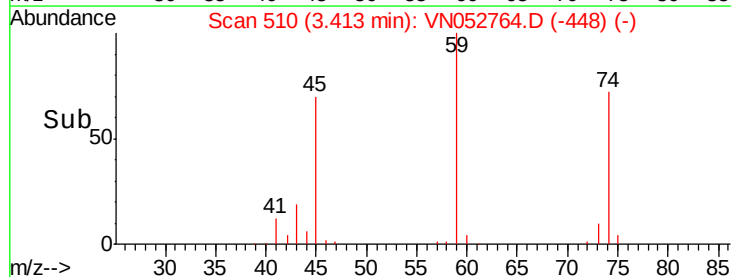
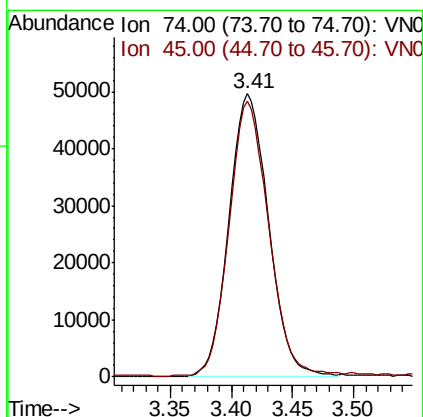
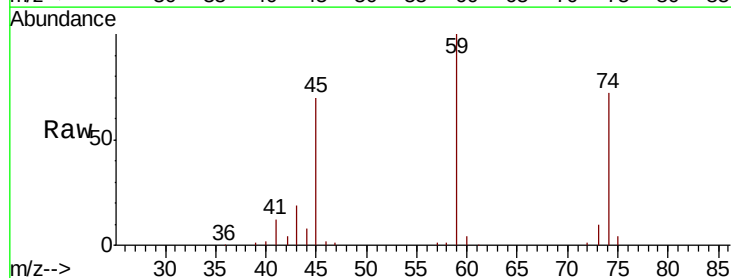
Tot Ion:101 Resp: 288675
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.1 78.1

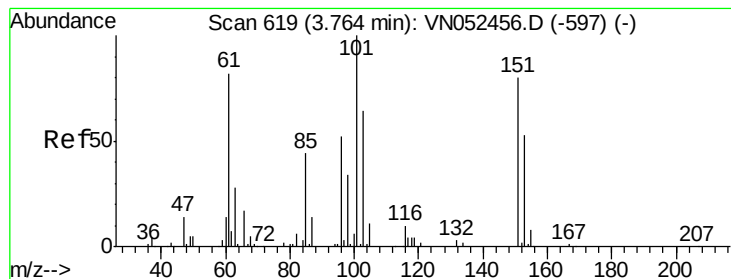


#8

Diethyl Ether
 Concen: 20.033 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 74 Resp: 112165
 Ion Ratio Lower Upper
 74 100
 45 96.7 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.386 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

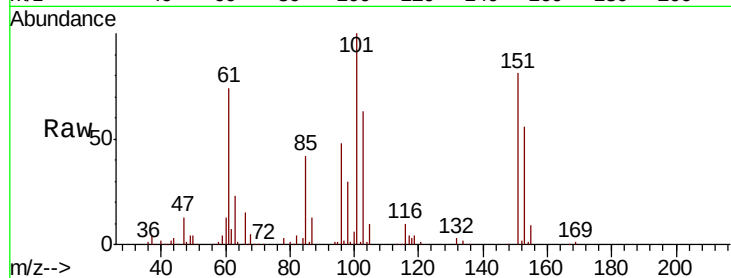
Tot Ion:101 Resp: 176734

Ion Ratio Lower Upper

101 100

85 41.3 0.0 82.6

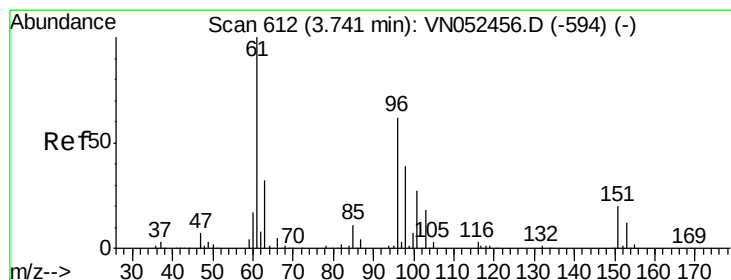
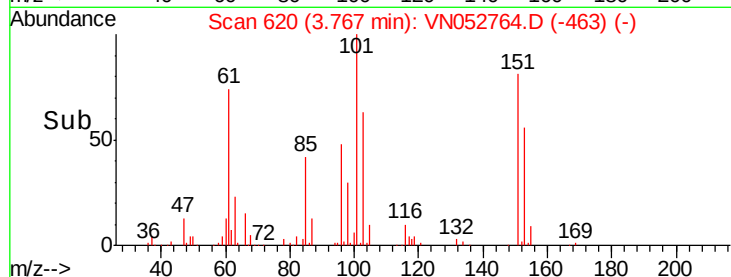
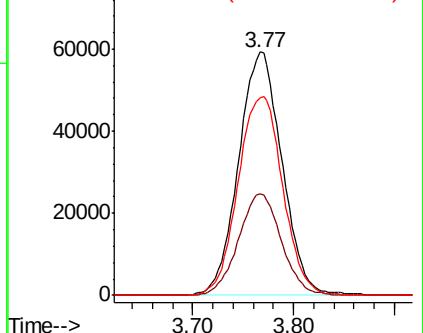
151 84.2 0.0 158.4



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: 19.060 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

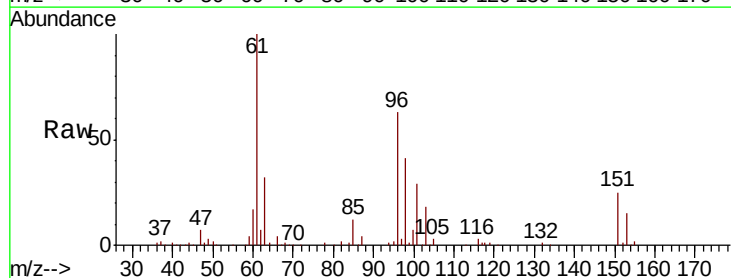
Tgt Ion: 96 Resp: 172267

Ion Ratio Lower Upper

96 100

61 158.0 129.4 194.2

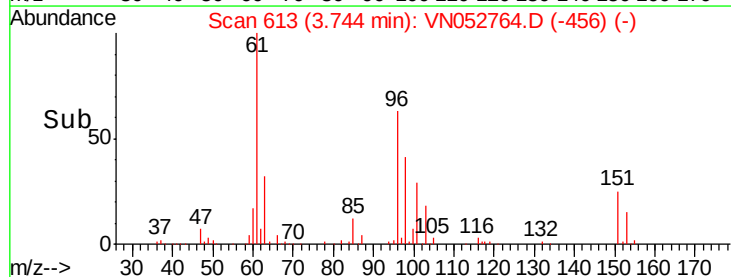
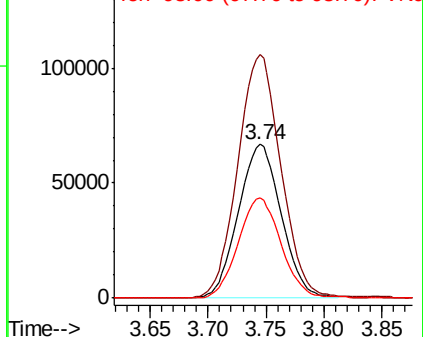
98 65.6 50.4 75.6

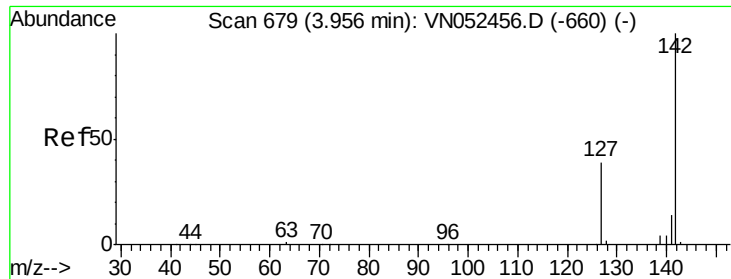


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

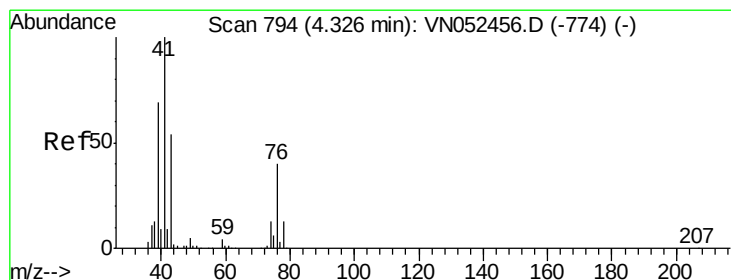
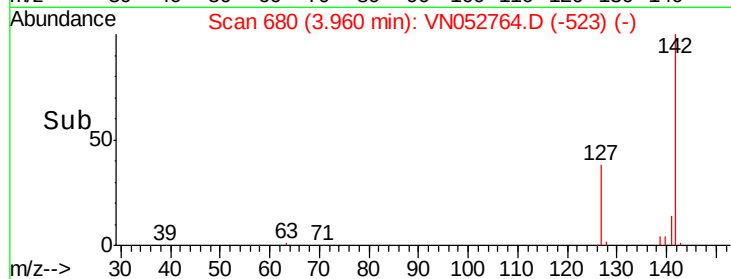
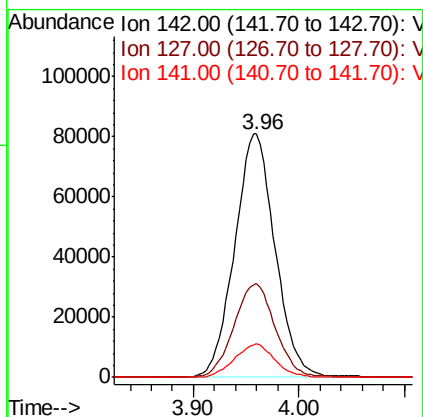
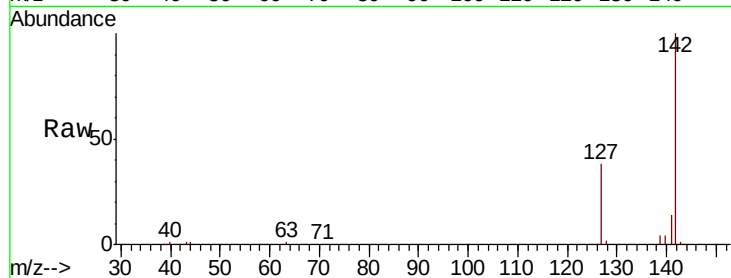




#11
Methvl Iodide
Concen: 17.172 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

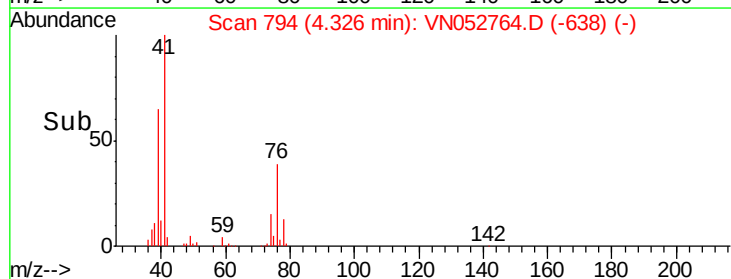
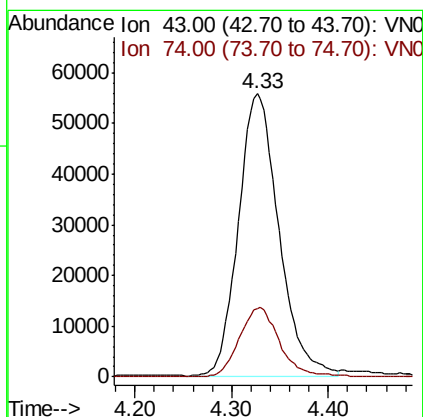
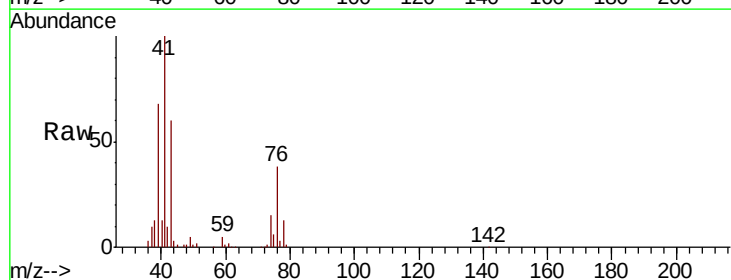
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

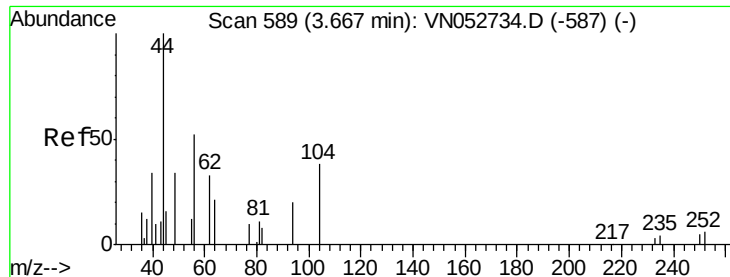
Tot Ion:142 Resp: 215483
Ion Ratio Lower Upper
142 100
127 38.3 19.4 58.1
141 13.8 7.2 21.6



#12
Methyl Acetate
Concen: 21.071 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 43 Resp: 161811
Ion Ratio Lower Upper
43 100
74 24.4 18.9 28.3





#13

Acrolein

Concen: 56.692 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

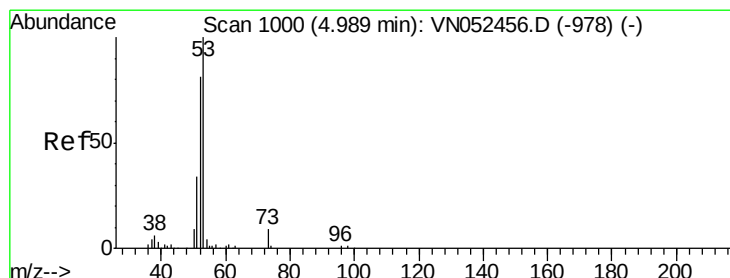
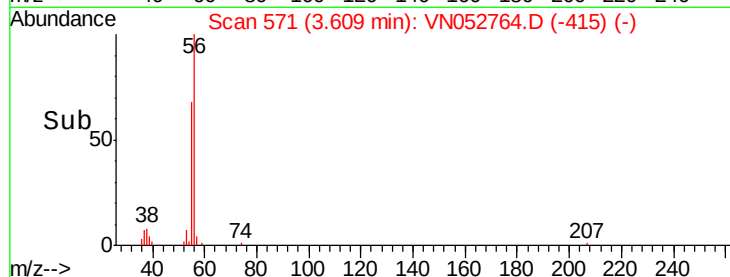
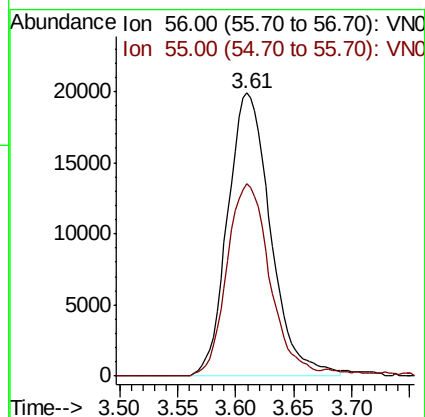
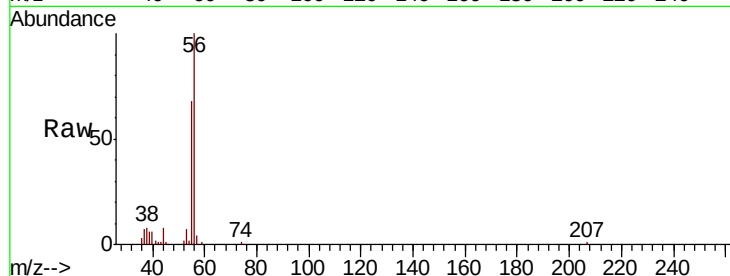
VSTDCCC020EC

Tot Ion: 56 Resp: 51139

Ion Ratio Lower Upper

56 100

55 67.5 56.7 85.1



#14

Acrylonitrile

Concen: 102.824 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

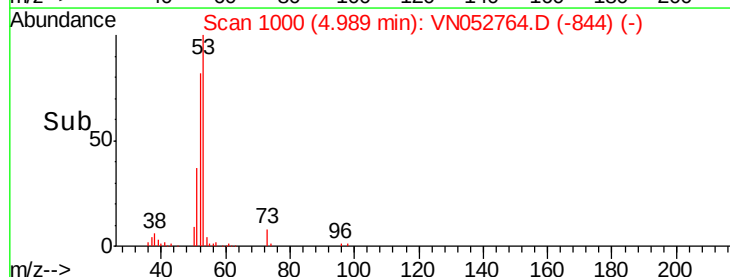
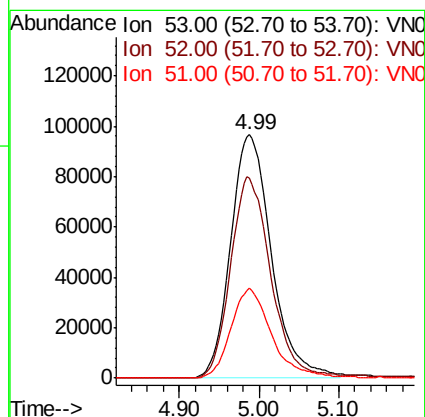
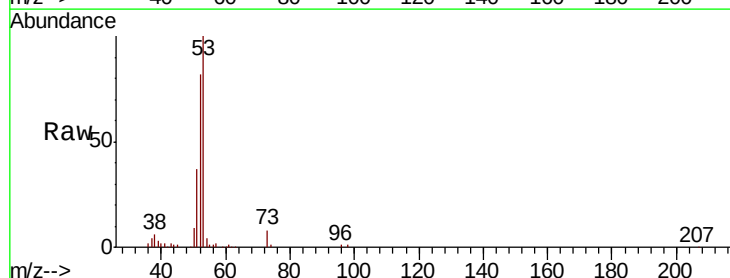
Tgt Ion: 53 Resp: 336438

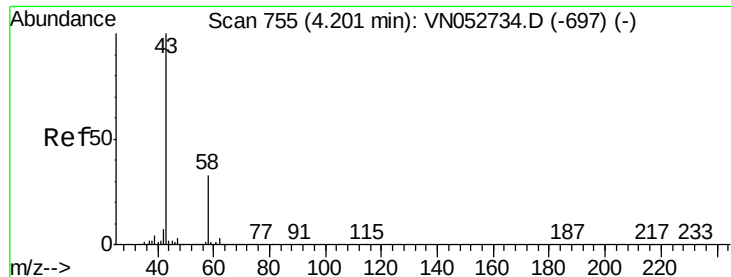
Ion Ratio Lower Upper

53 100

52 81.0 39.9 119.7

51 36.5 17.6 52.9





#15

Acetone

Concen: 90.081 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

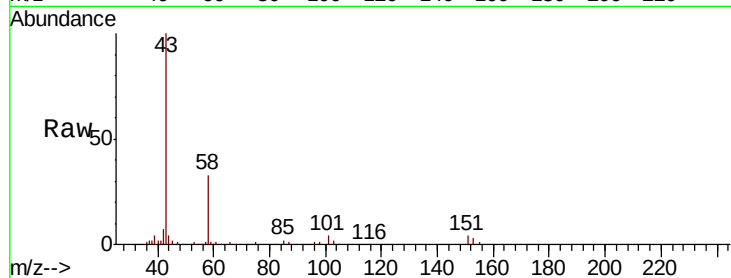
VSTDCCC020EC

Tot Ion: 58 Resp: 76332

Ion Ratio Lower Upper

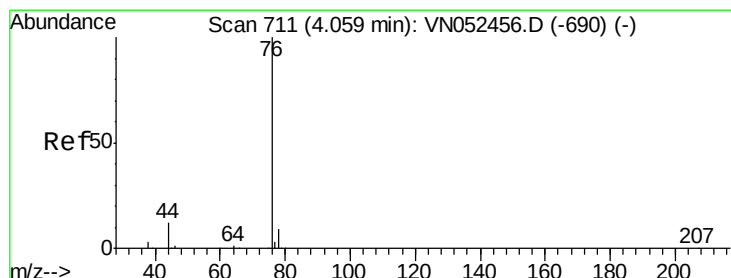
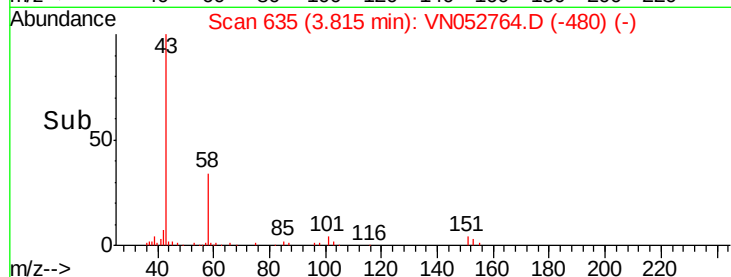
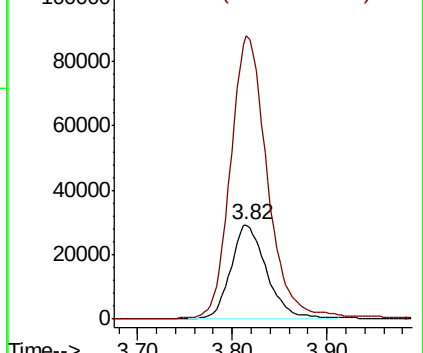
58 100

43 299.0 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052764.D (-555) (-)

Ion 43.00 (42.70 to 43.70): VN052764.D (-555) (-)



#16

Carbon Disulfide

Concen: 16.772 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052764.D

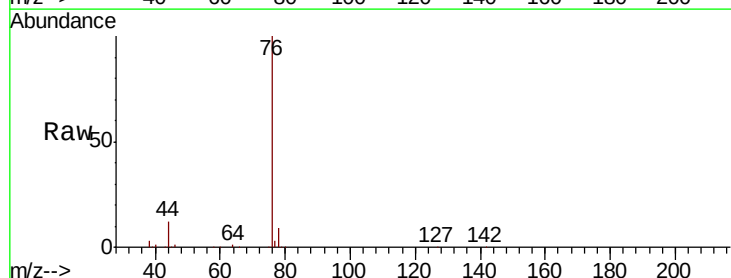
Acq: 10 Dec 2018 20:04

Tgt Ion: 76 Resp: 479915

Ion Ratio Lower Upper

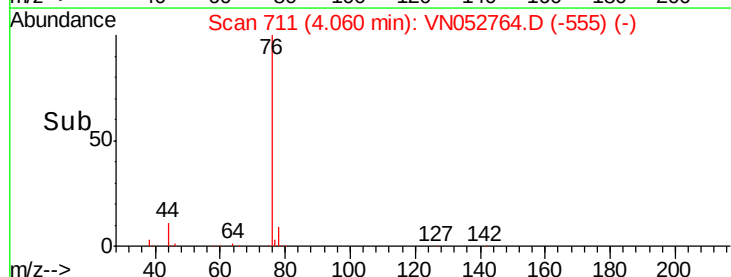
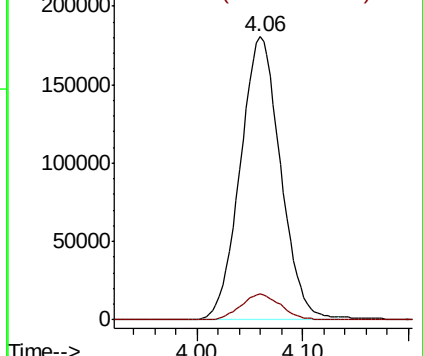
76 100

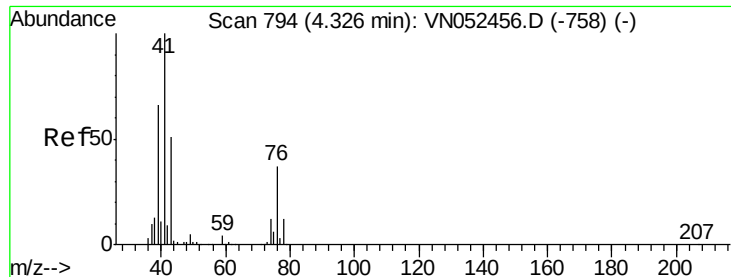
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052764.D (-555) (-)

Ion 78.00 (77.70 to 78.70): VN052764.D (-555) (-)

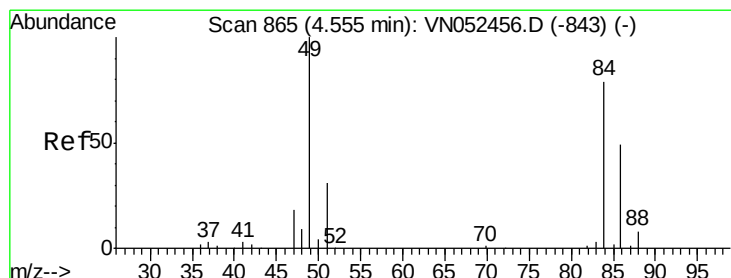
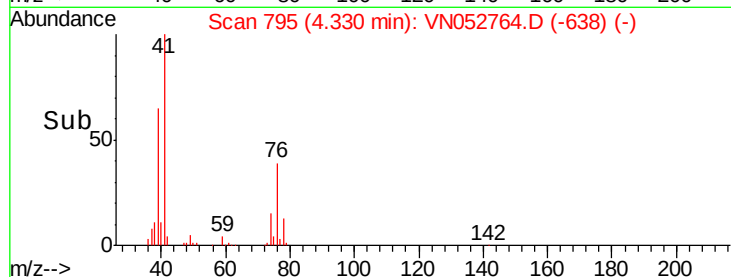
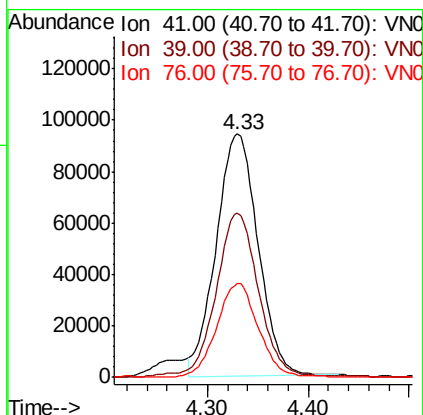
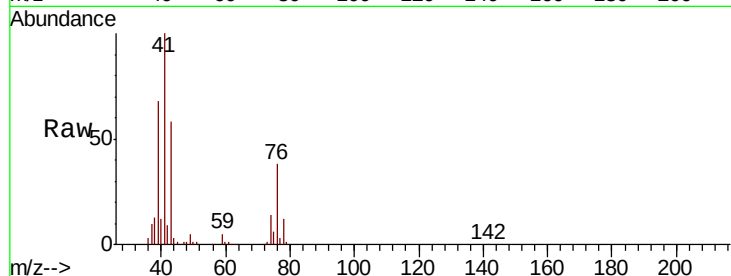




#17
Allvl chloride
Concen: 17.226 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

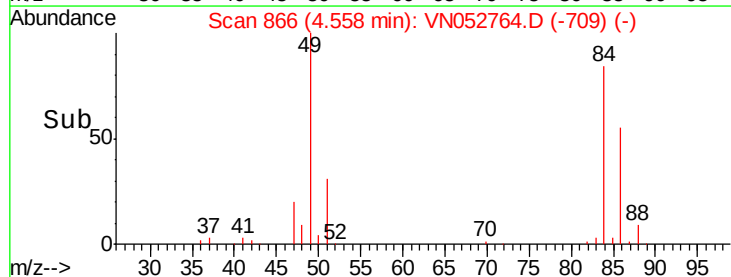
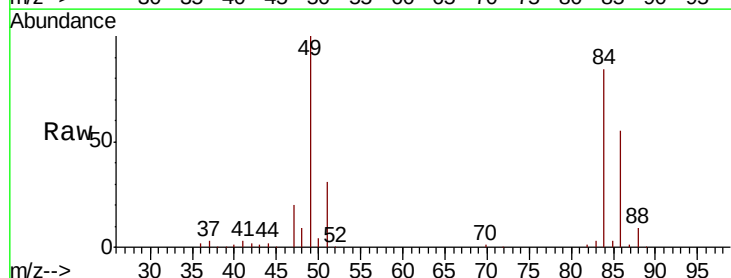
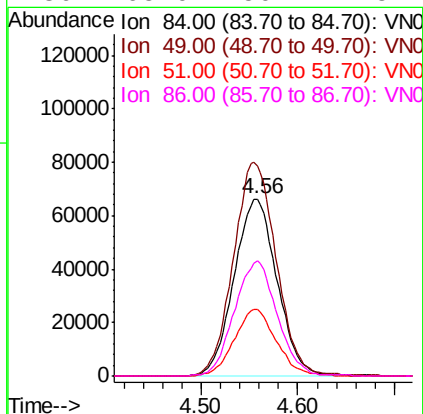
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

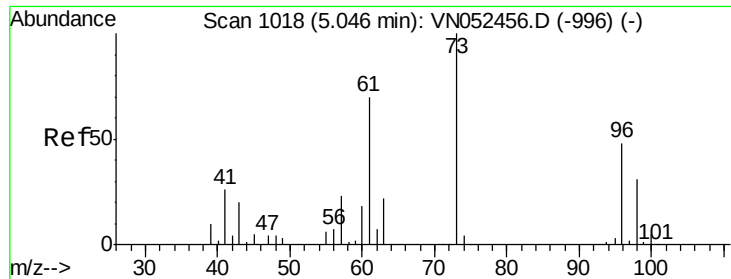
Tot Ion: 41 Resp: 271509
Ion Ratio Lower Upper
41 100
39 67.4 32.8 98.3
76 38.5 18.6 55.8



#18
Methylene Chloride
Concen: 19.522 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 84 Resp: 204293
Ion Ratio Lower Upper
84 100
49 118.5 101.4 152.0
51 37.4 31.7 47.5
86 65.0 50.1 75.1

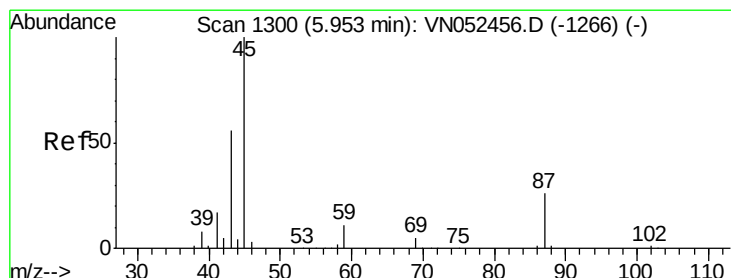
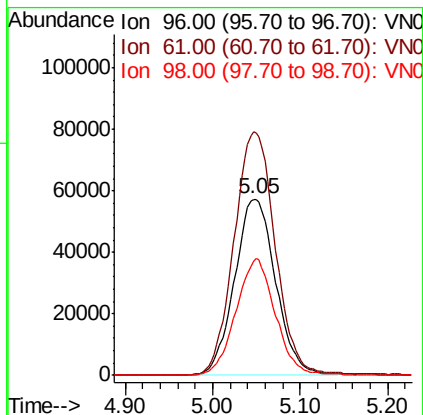
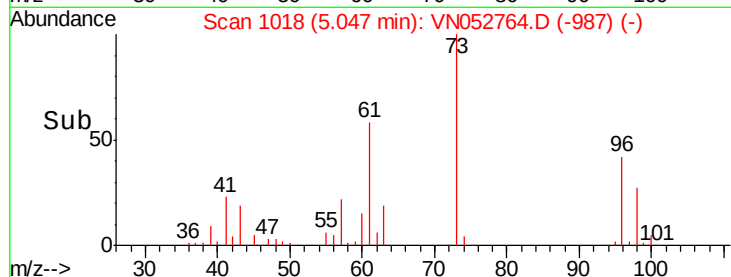
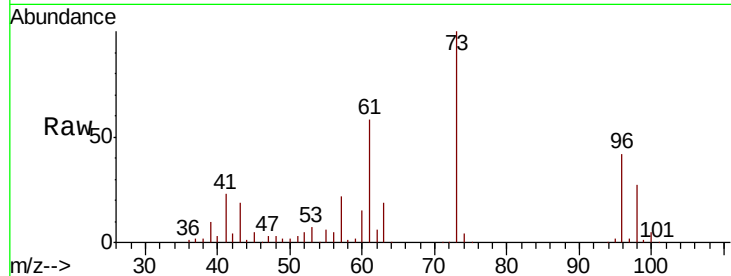




#19
trans-1,2-Dichloroethene
Concen: 19.206 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

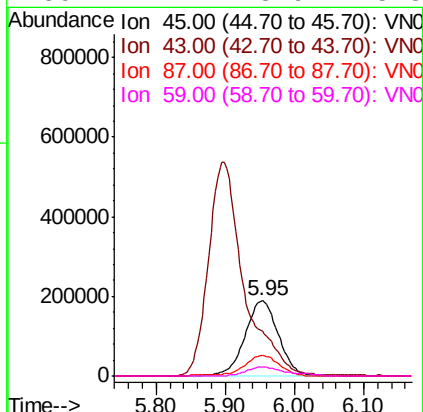
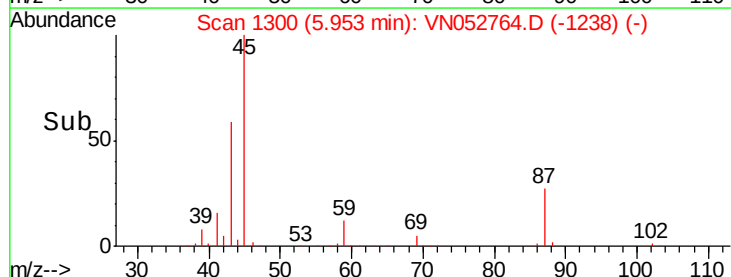
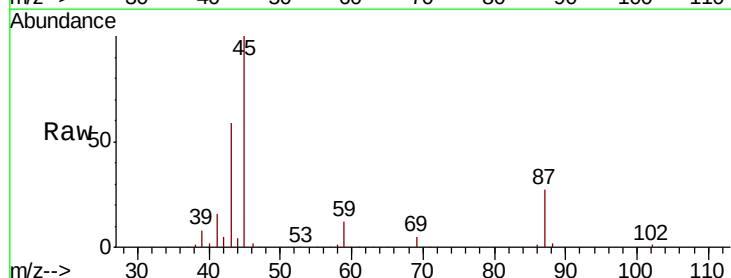
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

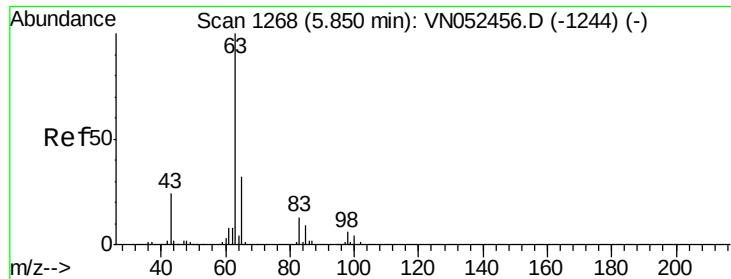
Tot Ion: 96 Resp: 186808
Ion Ratio Lower Upper
96 100
61 138.2 118.2 177.4
98 65.2 51.4 77.2



#20
Diisopropyl ether
Concen: 19.152 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 45 Resp: 634388
Ion Ratio Lower Upper
45 100
43 57.8 47.8 71.8
87 27.5 21.3 31.9
59 11.4 8.9 13.3

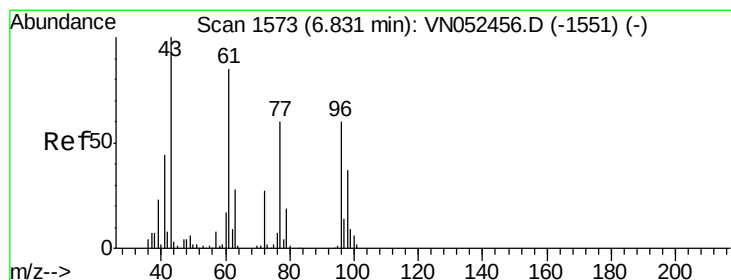
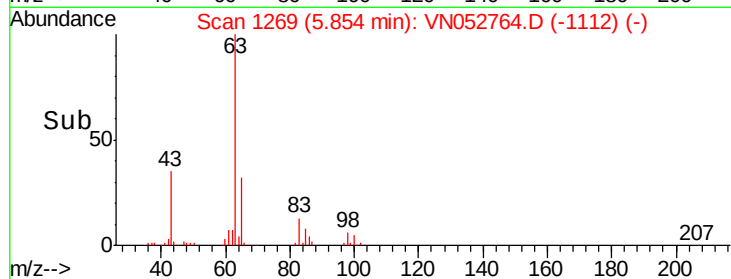
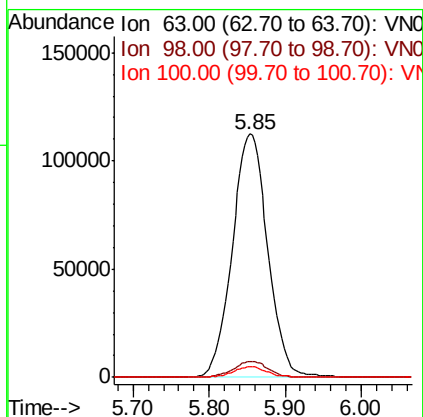
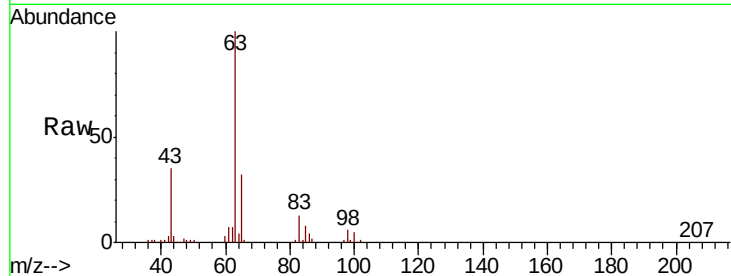




#21
 1,1-Dichloroethane
 Concen: 19.260 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

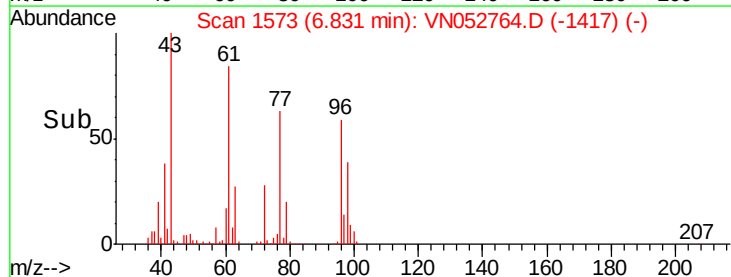
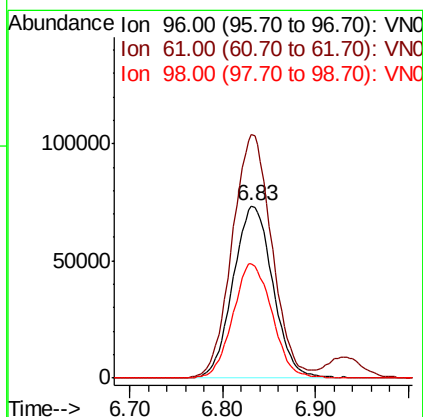
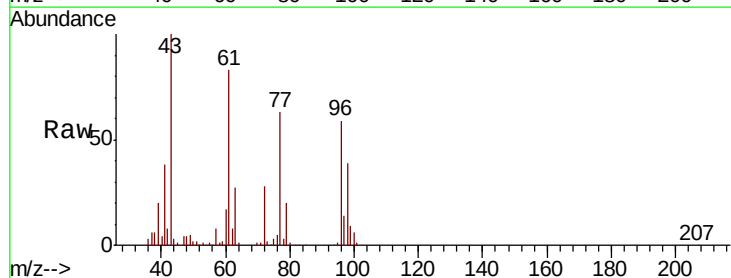
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

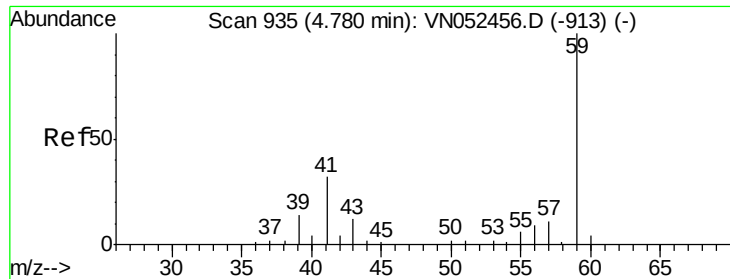
Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.0	9.2
100	4.6	1.8	5.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.655 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.1	116.7	175.1
98	65.6	50.8	76.2



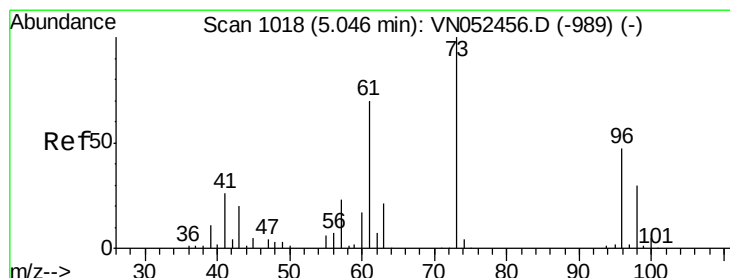
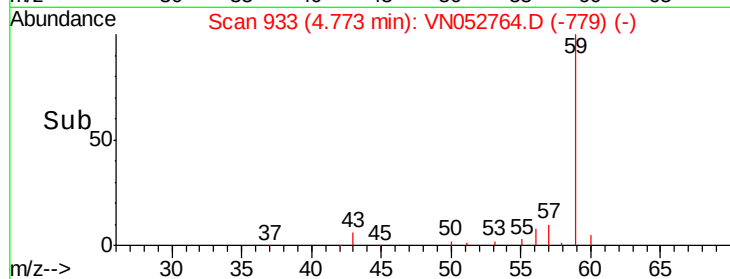
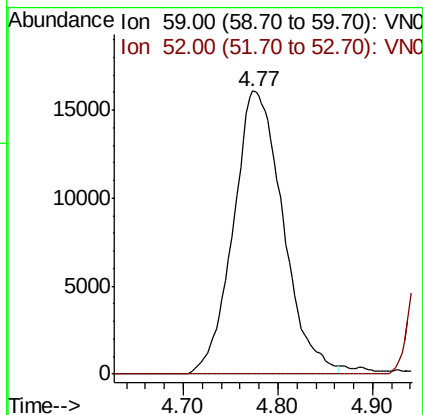
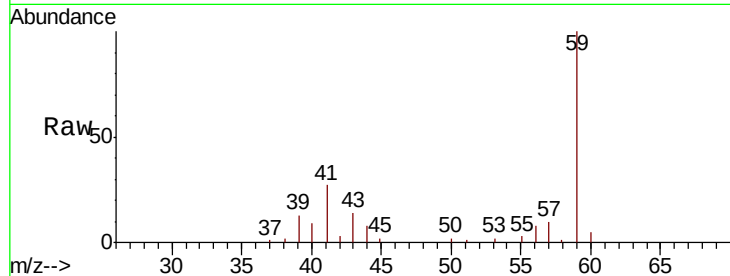


#23

tert-Butyl Alcohol
 Concen: 120.206 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

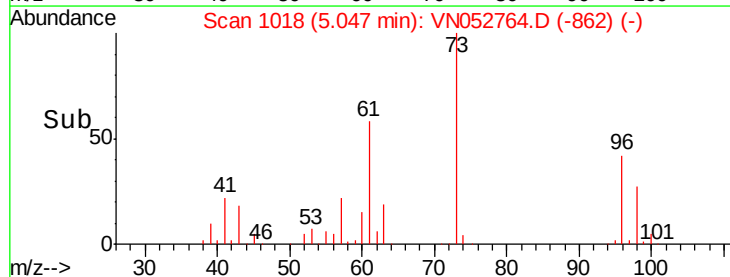
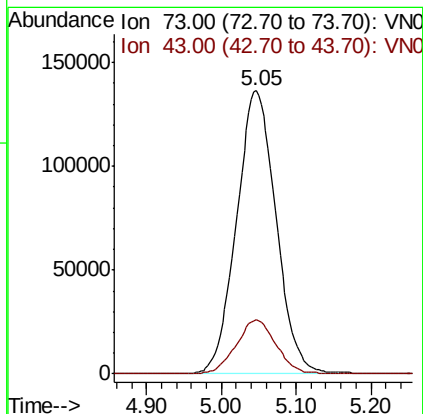
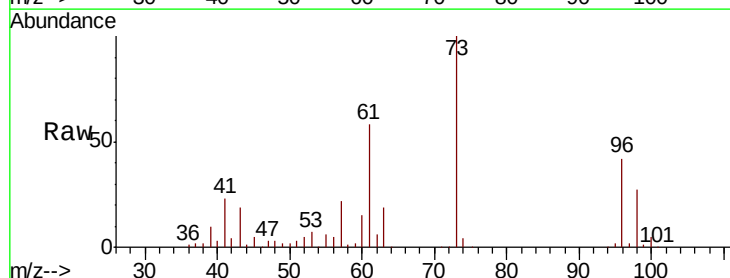
Tot Ion: 59 Resp: 58509
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

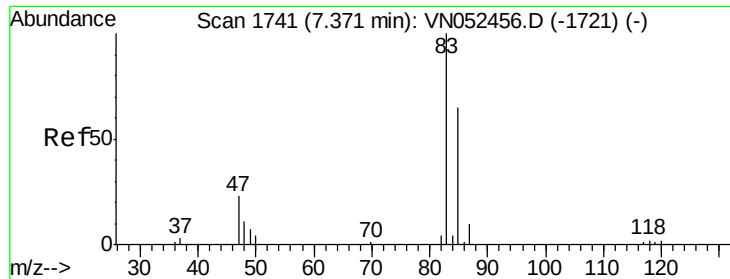


#24

Methyl tert-Butyl Ether
 Concen: 21.146 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 73 Resp: 501364
 Ion Ratio Lower Upper
 73 100
 43 19.0 15.8 23.8

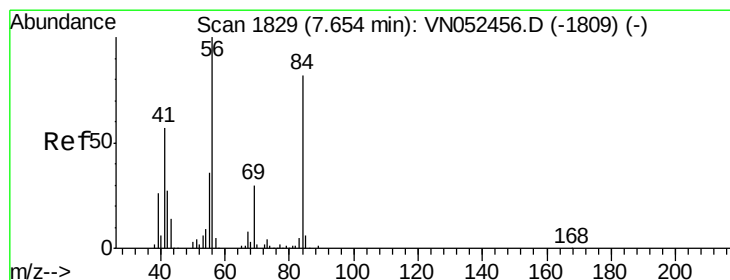
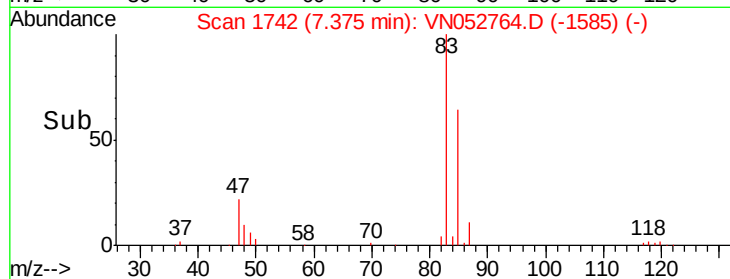
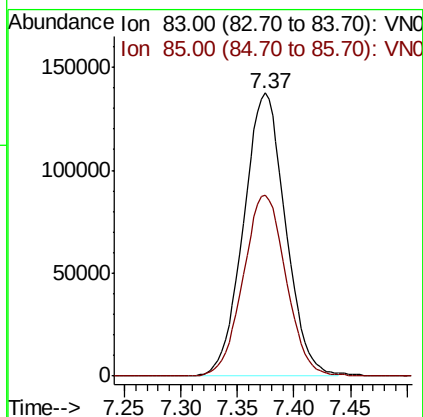
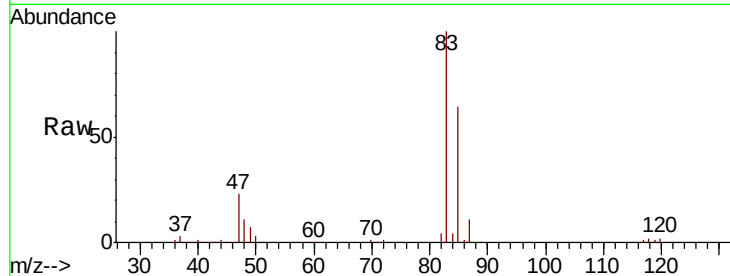




#25
Chloroform
Concen: 19.477 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

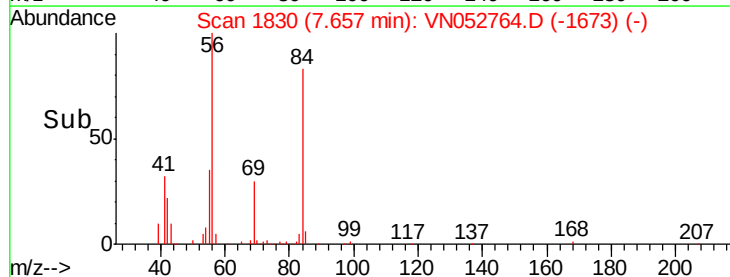
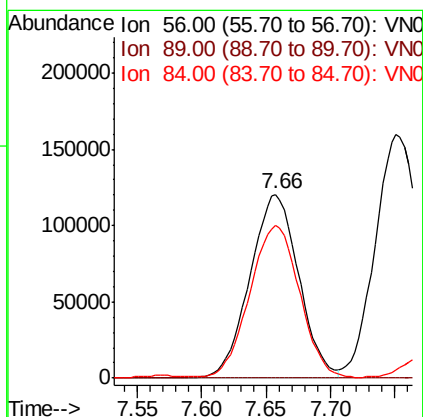
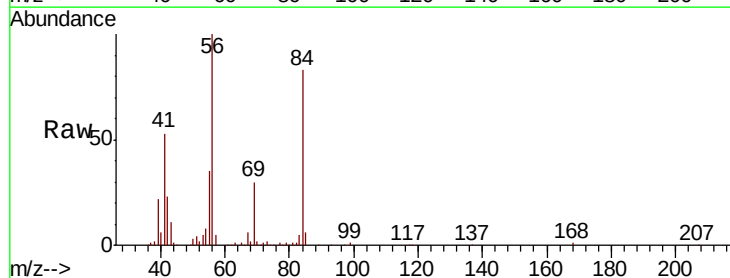
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

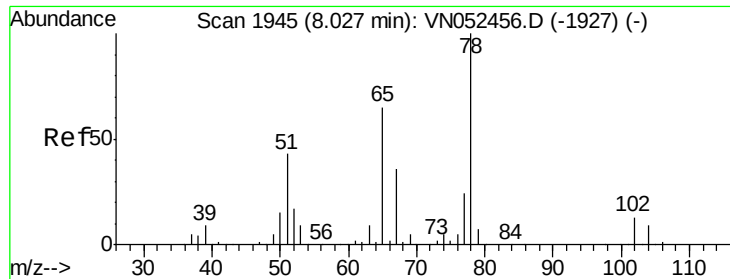
Tot Ion: 83 Resp: 354726
Ion Ratio Lower Upper
83 100
85 63.8 51.7 77.5



#26
Cyclohexane
Concen: 17.846 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 56 Resp: 317760
Ion Ratio Lower Upper
56 100
89 0.1 0.5 0.7#
84 85.0 66.2 99.2

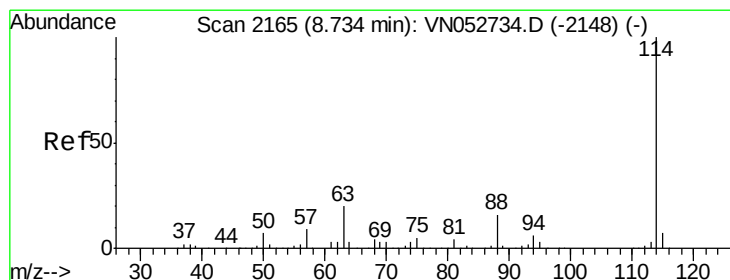
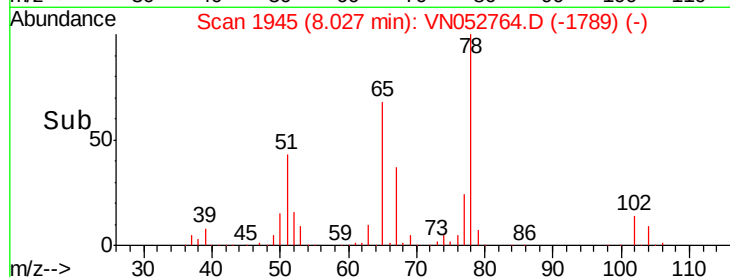
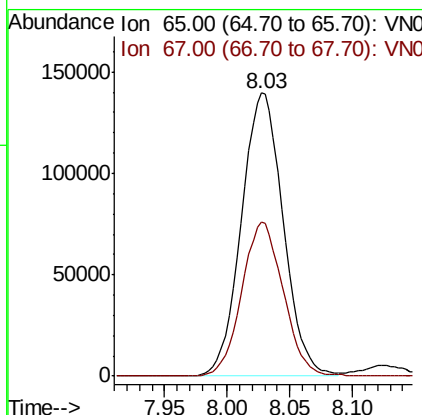
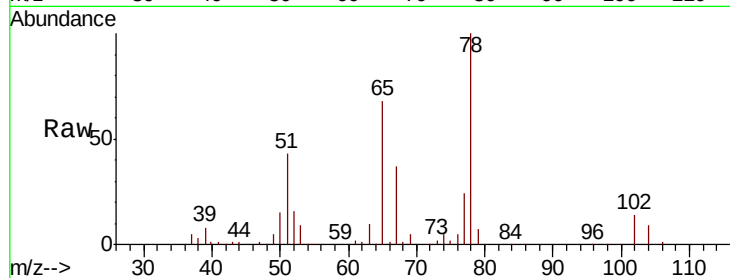




#27
 1,2-Dichloroethane-d4
 Concen: 17.846 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

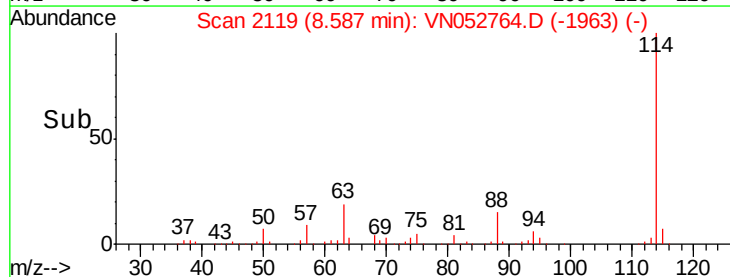
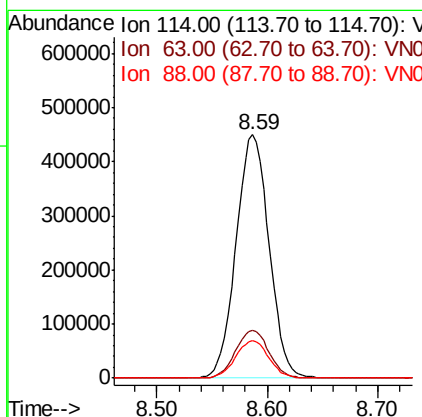
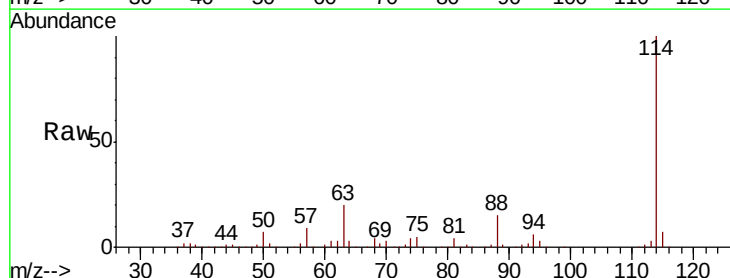
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

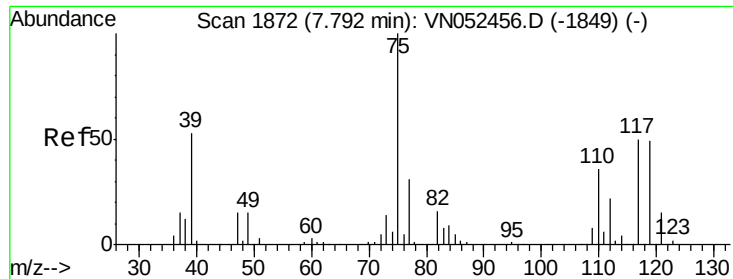
Tot Ion: 65 Resp: 322619
 Ion Ratio Lower Upper
 65 100
 67 54.1 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 114 Resp: 931232
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.9 25.3
 88 15.4 12.8 19.2

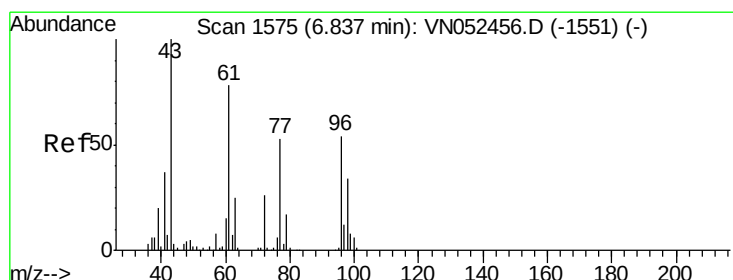
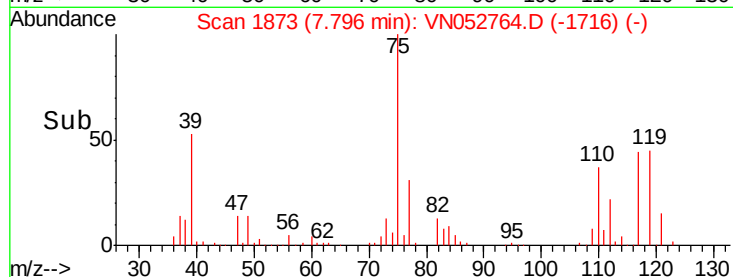
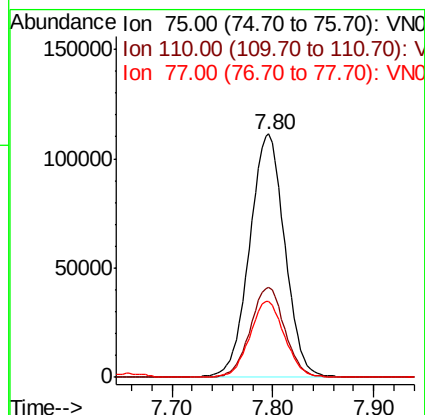
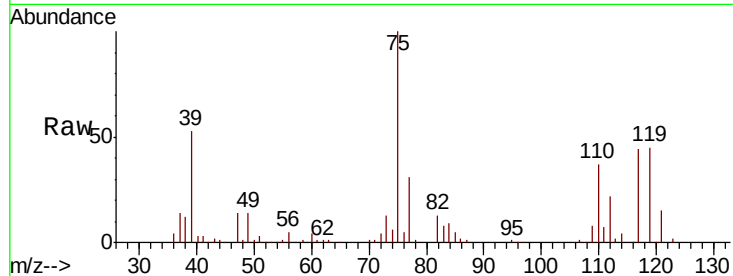




#29
 1,1-Dichloropropene
 Concen: 18.950 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

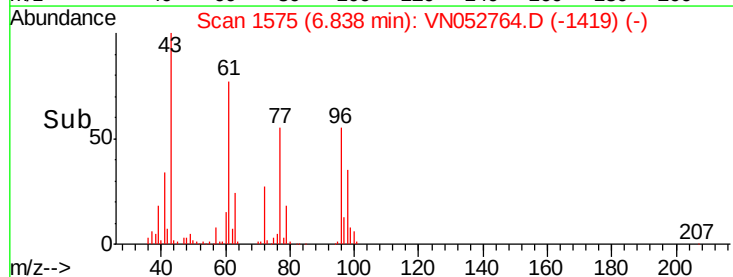
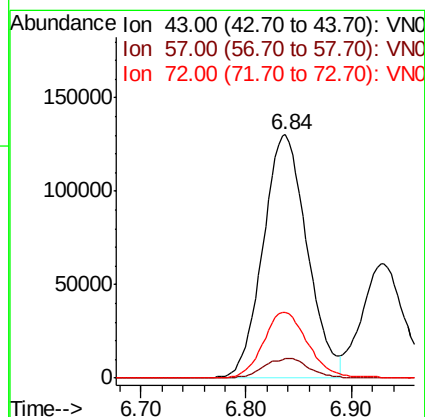
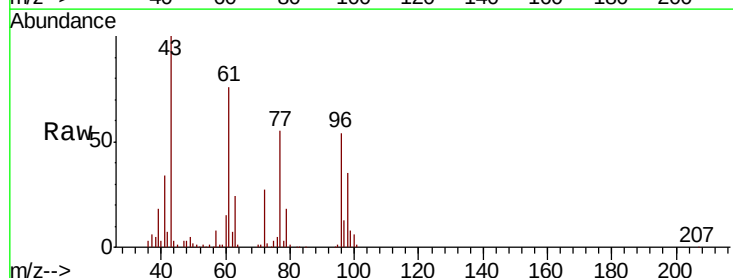
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

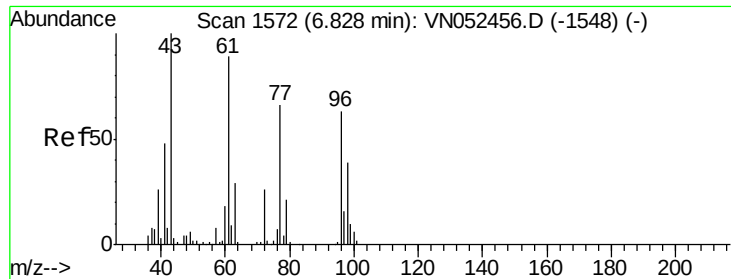
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.2	0.0	70.2
77	31.2	0.0	62.6



#30
 2-Butanone
 Concen: 98.994 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.2	9.4
72	27.6	21.0	31.6

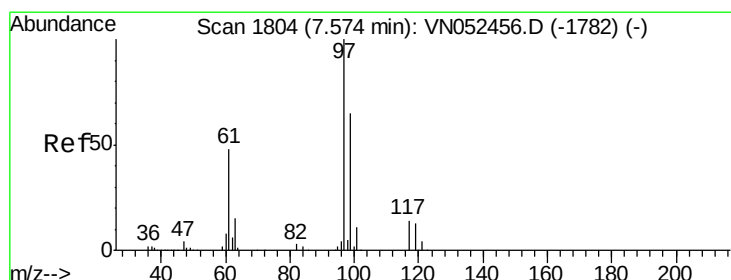
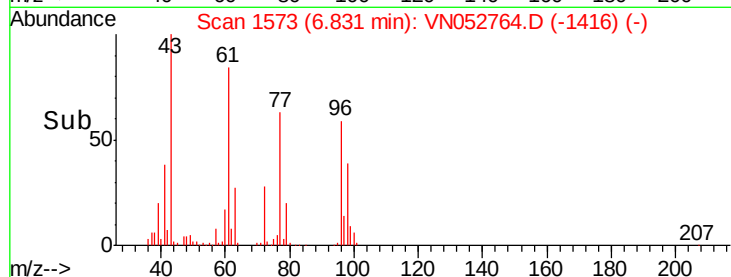
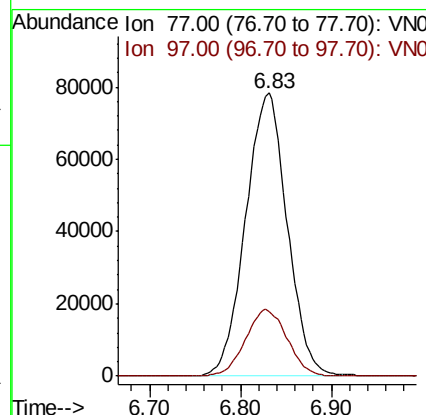
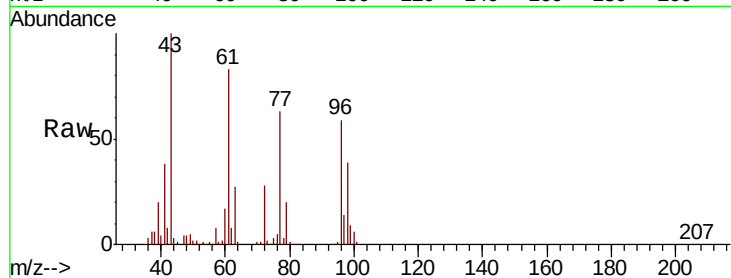




#31
 2,2-Dichloropropane
 Concen: 18.956 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

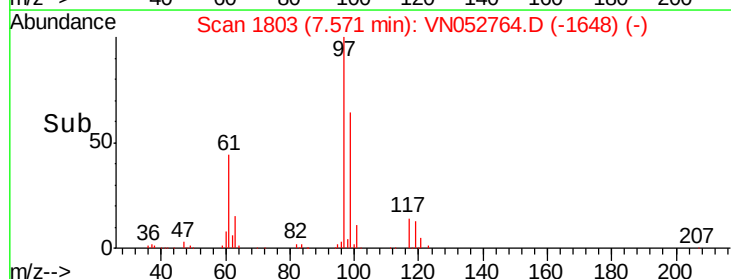
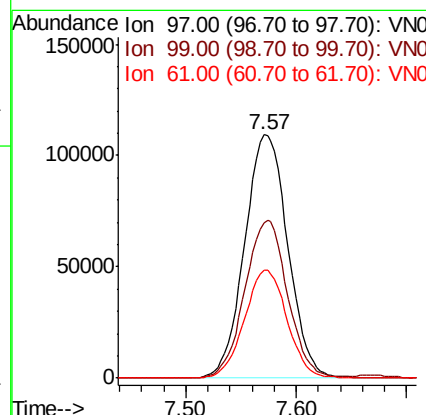
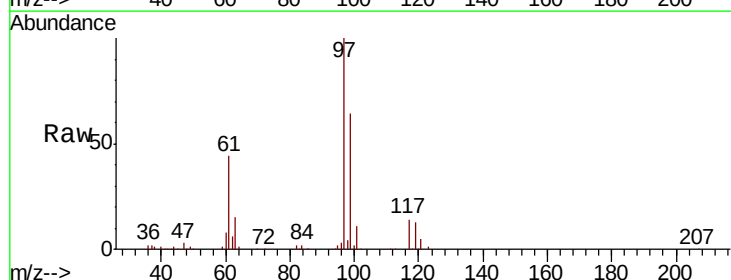
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

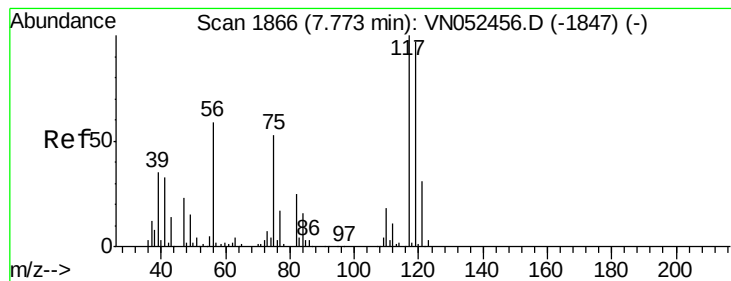
Tot Ion: 77 Resp: 248179
 Ion Ratio Lower Upper
 77 100
 97 23.7 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 20.009 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 97 Resp: 296070
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.9 76.3
 61 43.9 38.1 57.1





#33

Carbon Tetrachloride

Concen: 19.509 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

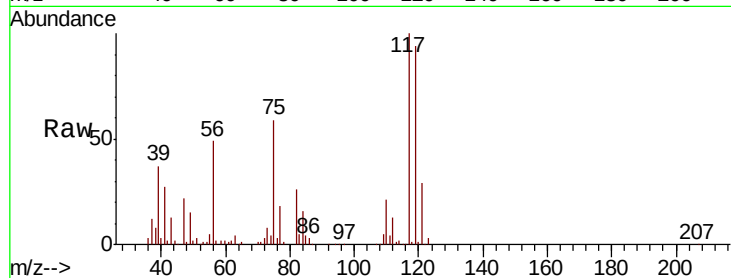
Tot Ion:117 Resp: 252592

Ion Ratio Lower Upper

117 100

119 93.5 77.3 115.9

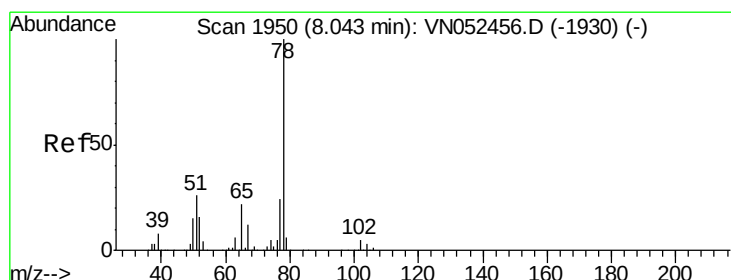
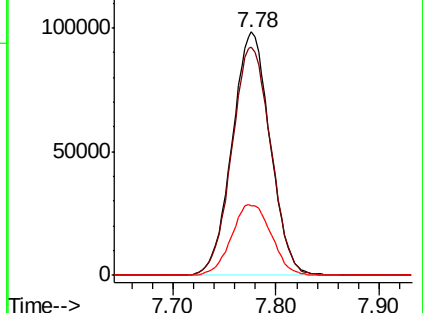
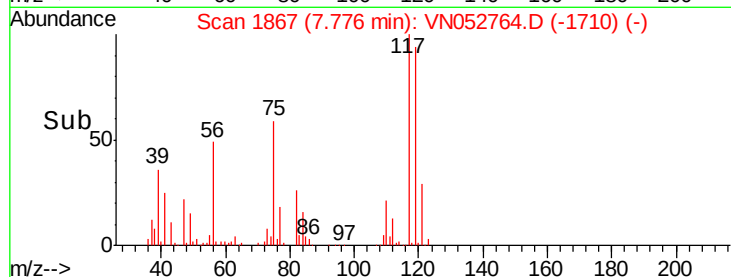
121 28.8 24.9 37.3



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: 19.435 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

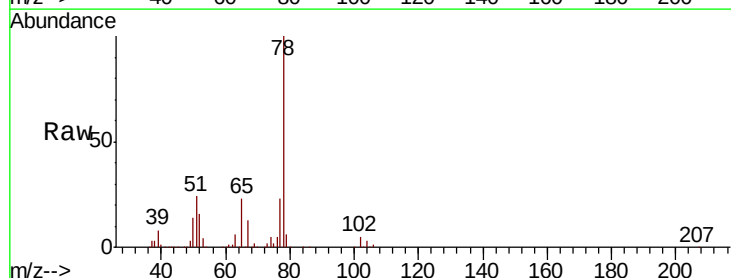
Tgt Ion: 78 Resp: 830951

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

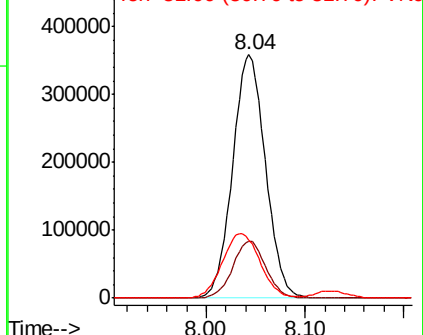
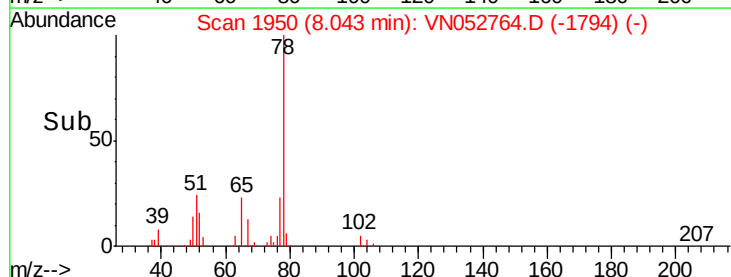
51 23.6 20.5 30.7

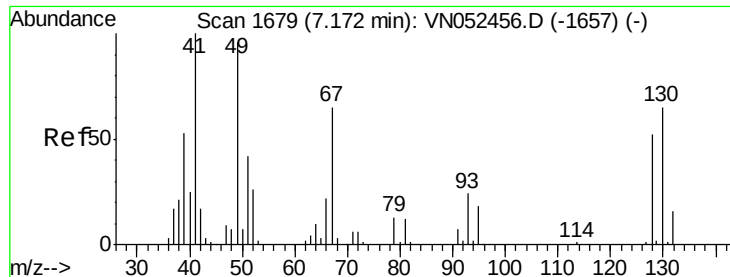


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

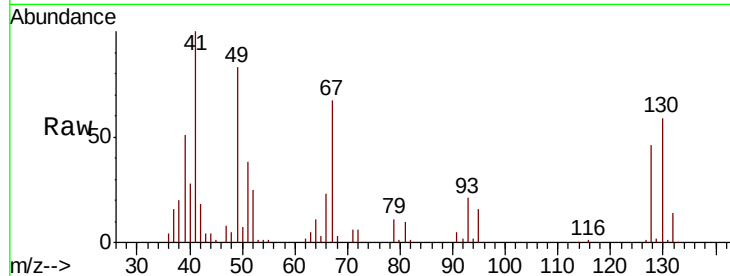




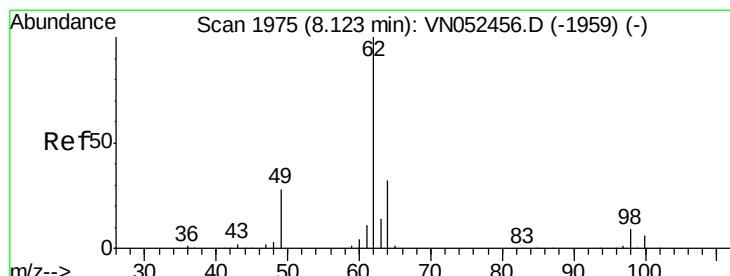
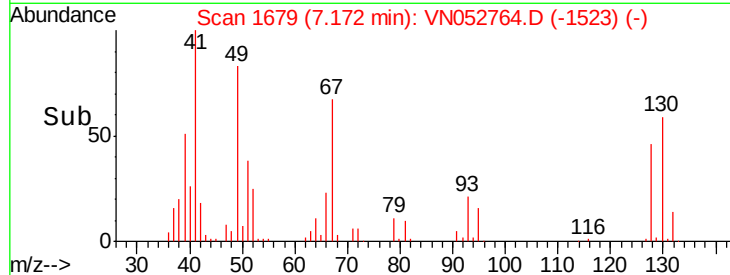
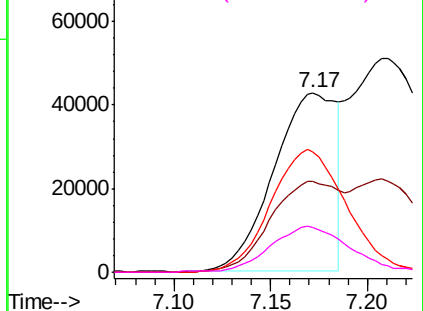
#35
Methacrylonitrile
Concen: 20.408 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 96349
Ion Ratio Lower Upper
41 100
39 50.8 26.6 79.7
67 67.6 32.3 96.9
52 24.6 13.0 38.9

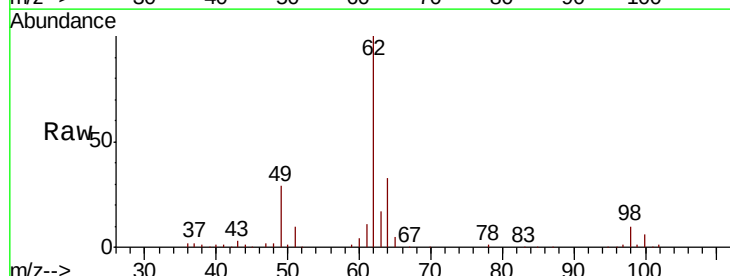


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

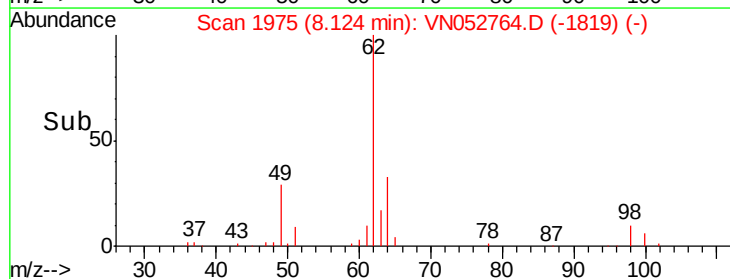
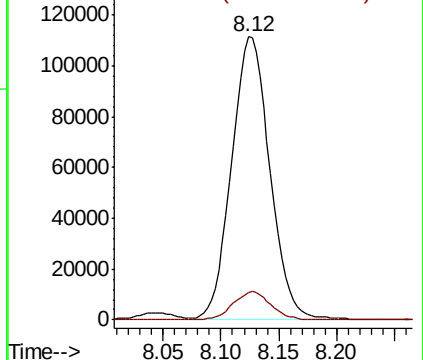


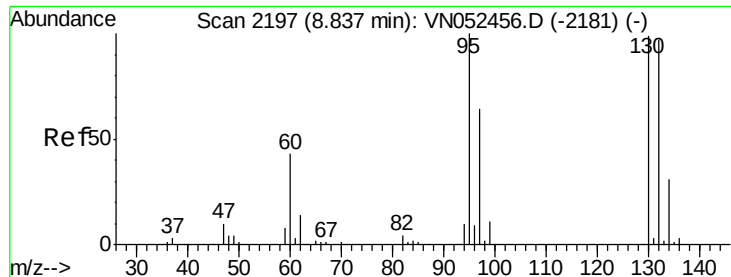
#36
1,2-Dichloroethane
Concen: 19.630 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 62 Resp: 254335
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

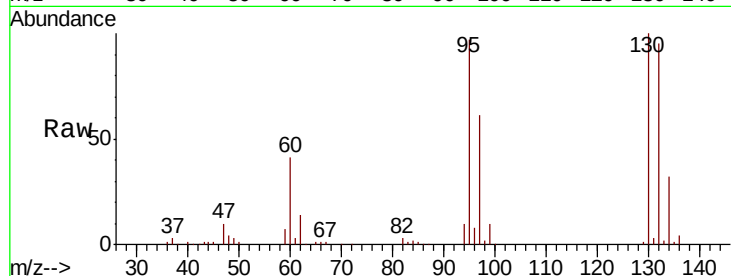




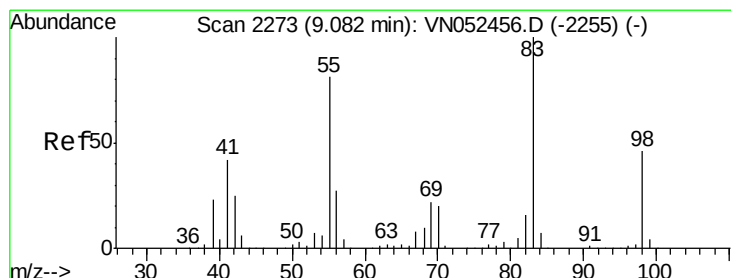
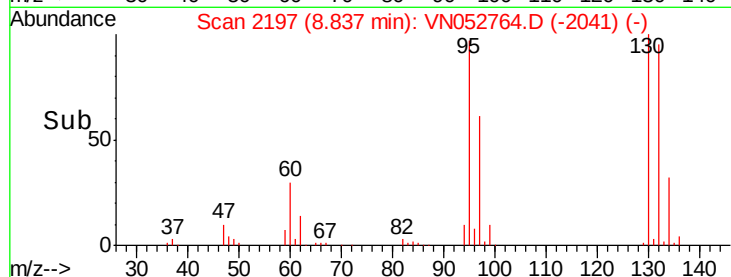
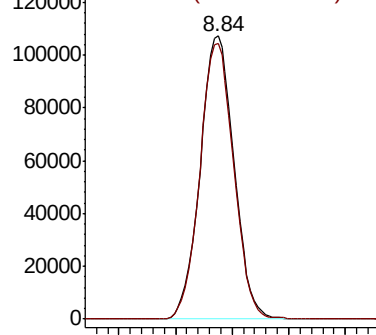
#37
 Trichloroethene
 Concen: 20.568 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 222992
 Ion Ratio Lower Upper
 130 100
 95 97.2 81.0 121.4

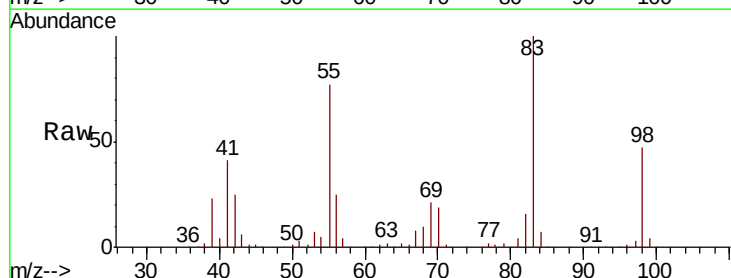


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

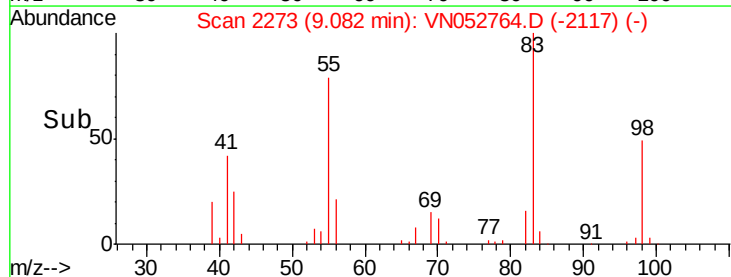
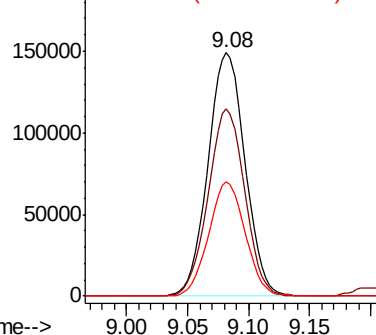


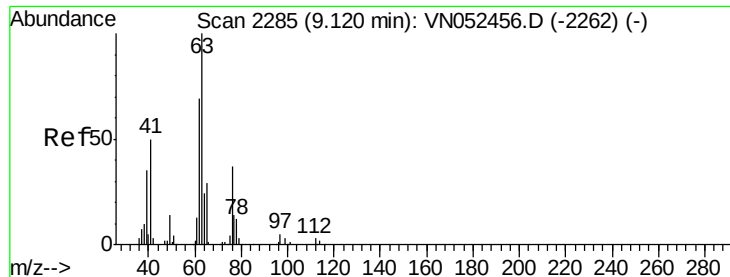
#38
 Methylcyclohexane
 Concen: 17.755 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 83 Resp: 312562
 Ion Ratio Lower Upper
 83 100
 55 75.9 39.8 119.4
 98 46.3 22.9 68.5



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





#39

1,2-Dichloropropane

Concen: 19.293 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

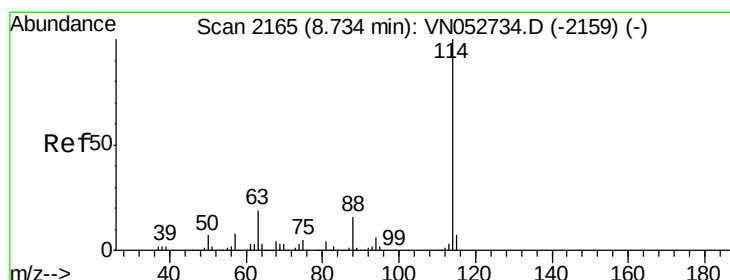
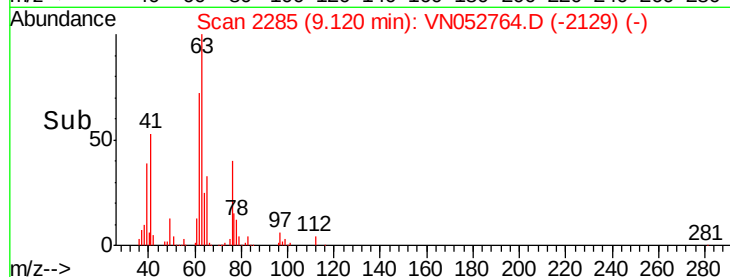
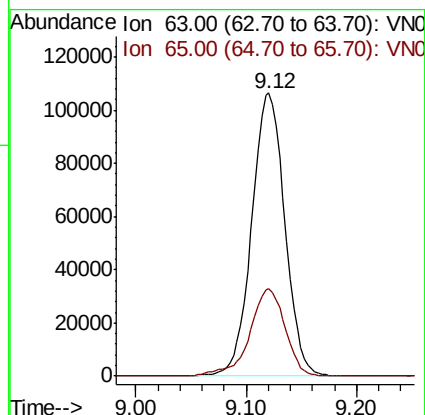
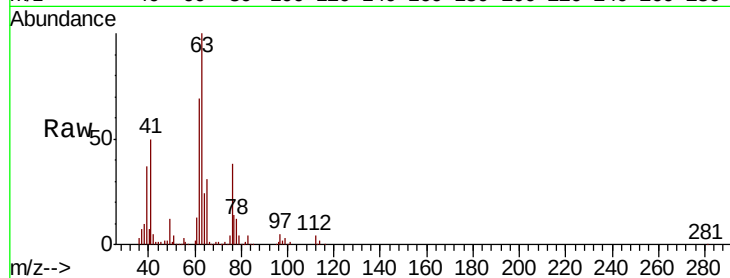
VSTDCCC020EC

Tot Ion: 63 Resp: 221111

Ion Ratio Lower Upper

63 100

65 30.8 23.6 35.4



#40

Dibromomethane

Concen: 20.483 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

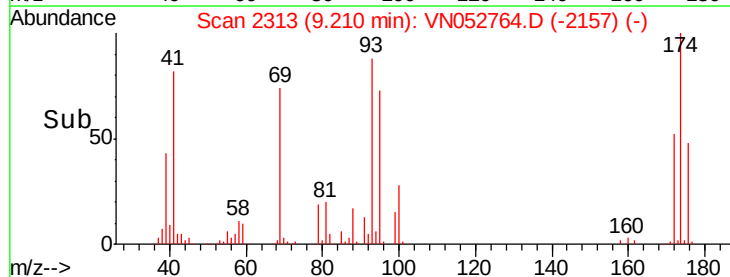
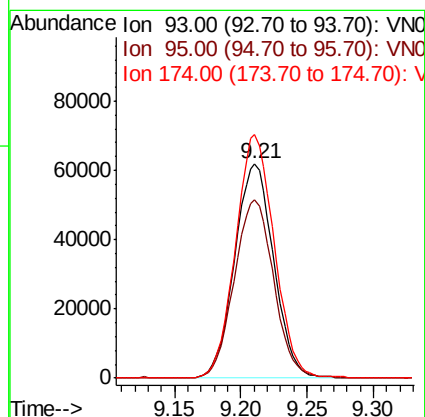
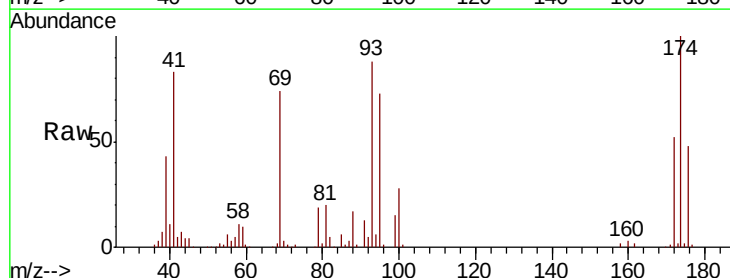
Tgt Ion: 93 Resp: 126859

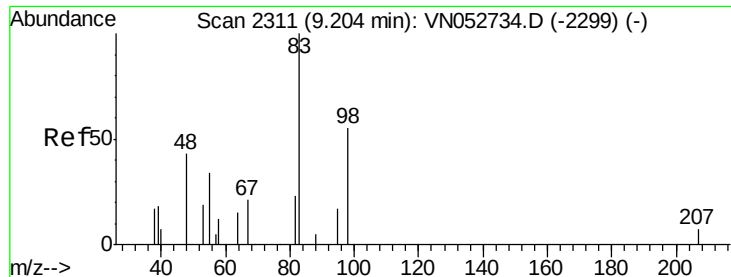
Ion Ratio Lower Upper

93 100

95 83.9 0.0 168.4

174 112.5 0.0 210.0

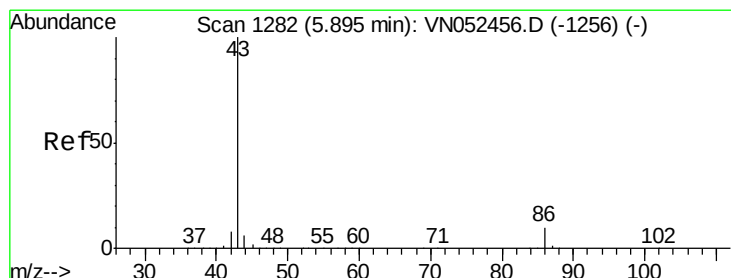
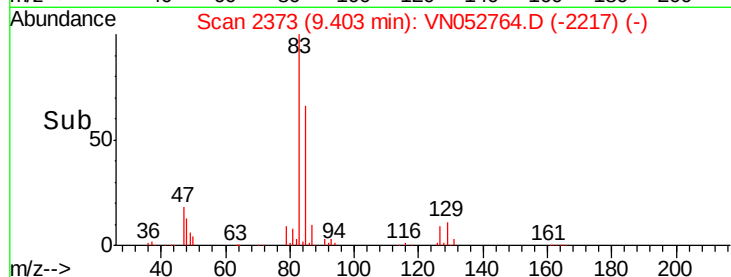
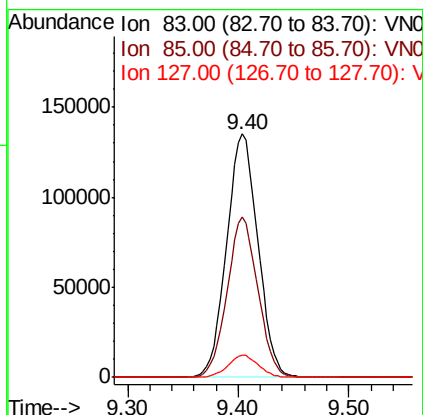
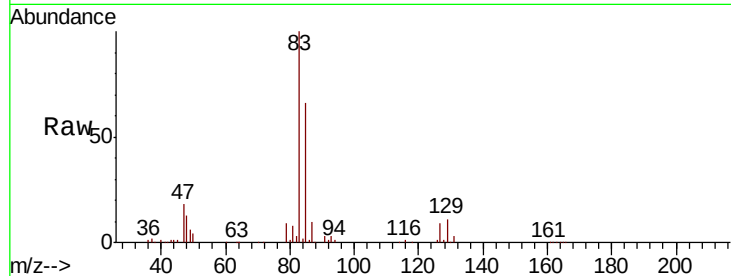




#41
 Bromodichloromethane
 Concen: 19.448 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

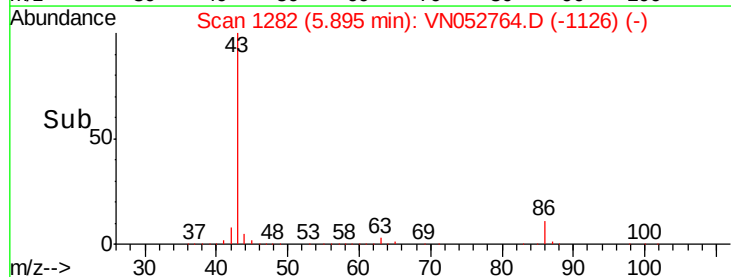
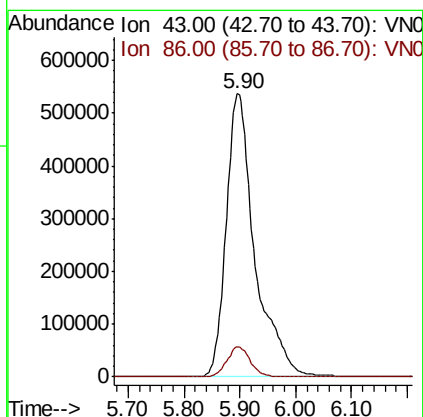
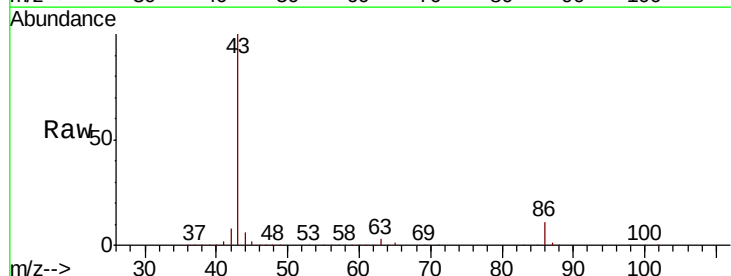
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

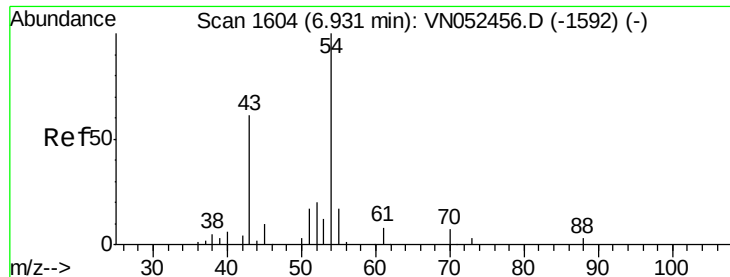
Tot Ion: 83 Resp: 266119
 Ion Ratio Lower Upper
 83 100
 85 65.8 52.4 78.6
 127 9.1 6.6 9.8



#42
 Vinyl Acetate
 Concen: 93.010 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 43 Resp: 1914984
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.5 9.7





#43

Ethyl Acetate

Concen: 20.973 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

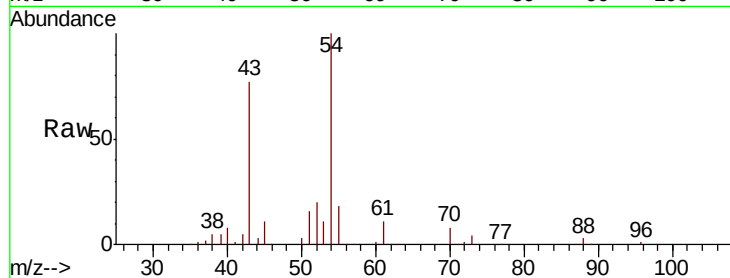
VSTDCCC020EC

Tot Ion: 43 Resp: 169700

Ion Ratio Lower Upper

43 100

45 13.7 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

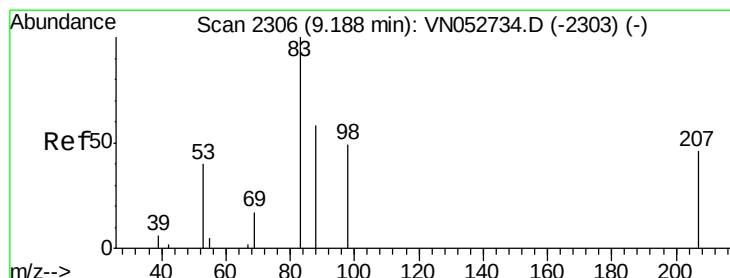
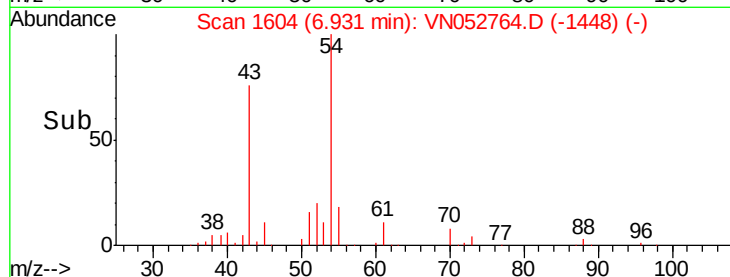
100000

50000

0

6.90 6.93 7.00

Time-->



#45

1,4-Dioxane

Concen: 413.829 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

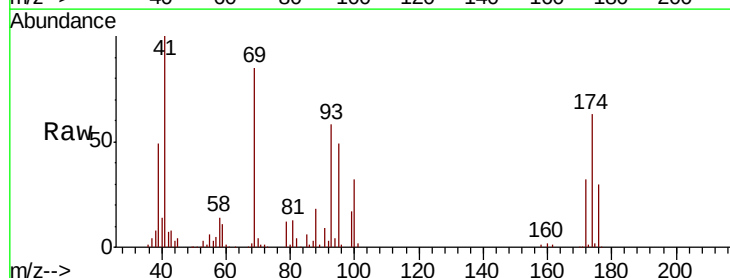
Tgt Ion: 88 Resp: 32127

Ion Ratio Lower Upper

88 100

43 33.2 29.5 44.3

58 71.1 61.5 92.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

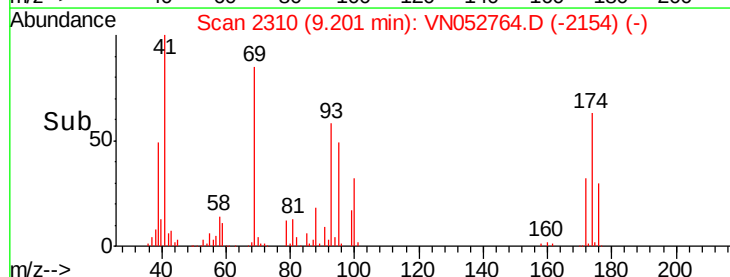
100000

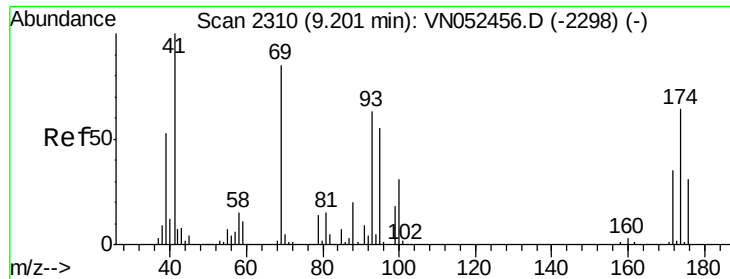
50000

0

9.15 9.20 9.25 9.30

Time-->

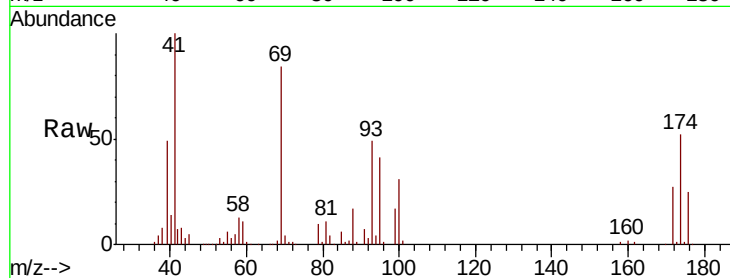




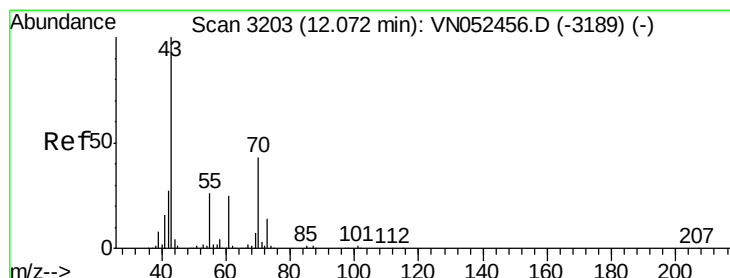
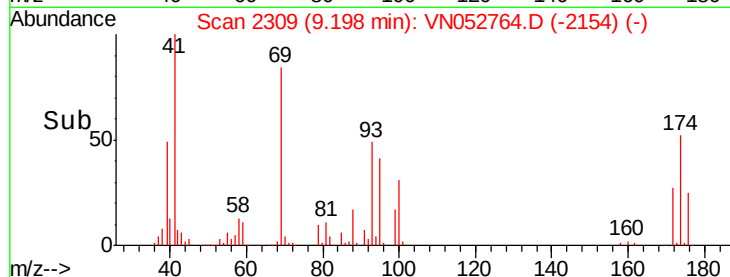
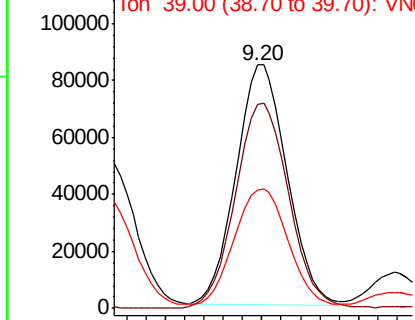
#46
Methvl methacrylate
Concen: 20.892 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 153938
Ion Ratio Lower Upper
41 100
69 84.9 42.5 127.6
39 48.2 26.3 78.9

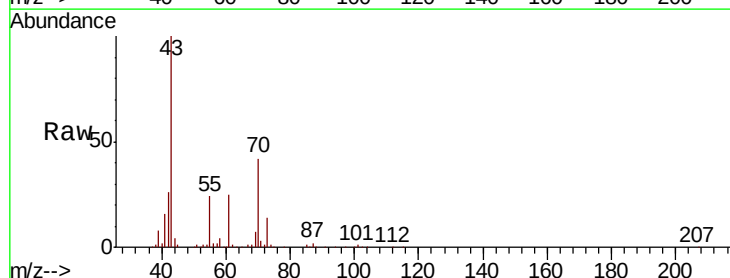


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

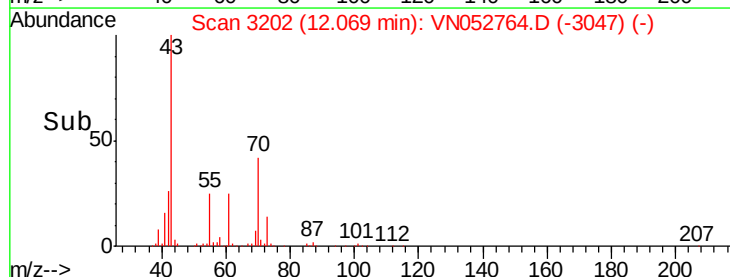
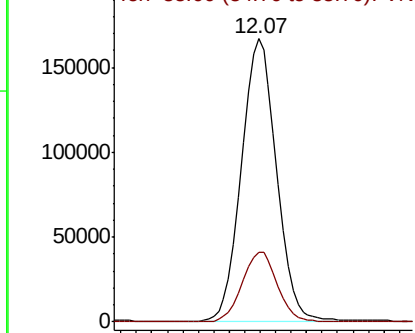


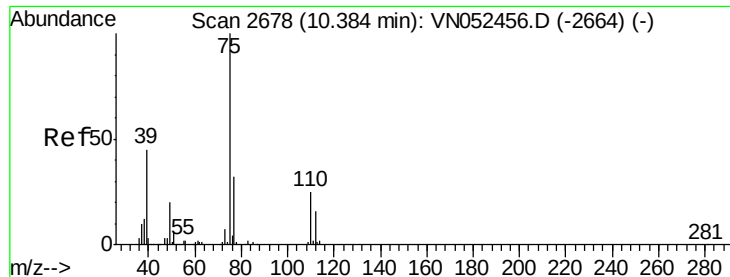
#47
n-amyI Acetate
Concen: 22.230 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 43 Resp: 261566
Ion Ratio Lower Upper
43 100
55 25.0 21.1 31.7



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





#48

t-1,3-Dichloropropene

Concen: 19.530 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

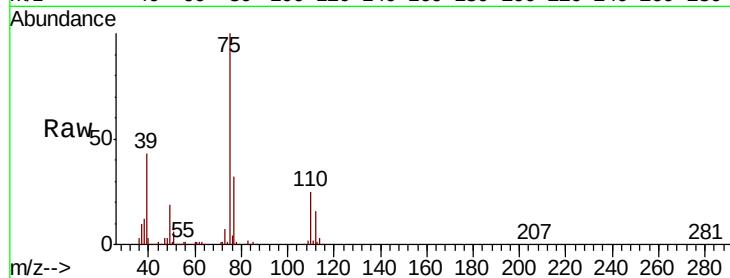
VSTDCCC020EC

Tot Ion: 75 Resp: 259120

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

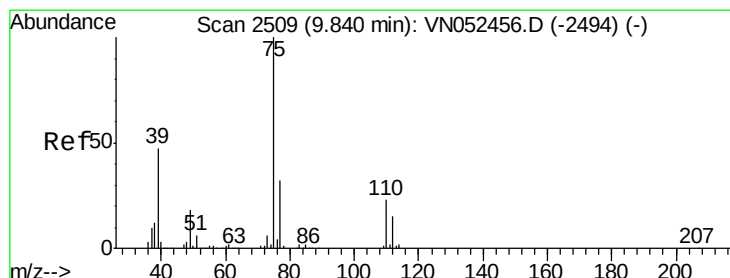
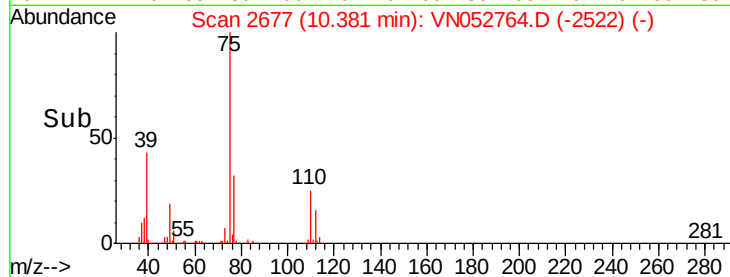
150000

100000

50000

0

Time-->



#49

cis-1,3-Dichloropropene

Concen: 19.192 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

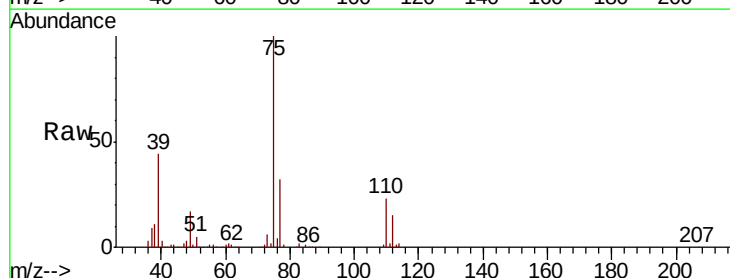
Tgt Ion: 75 Resp: 310234

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0

39 44.0 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

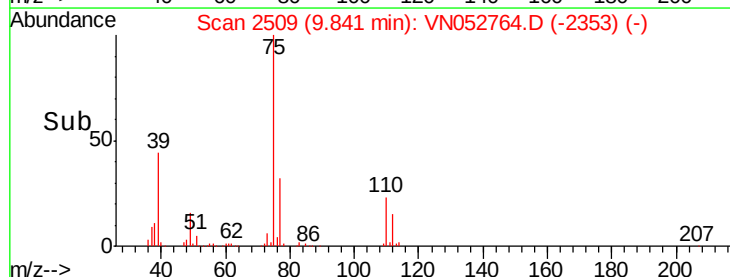
150000

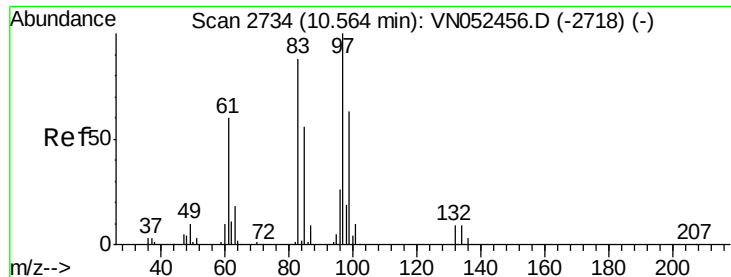
100000

50000

0

Time-->

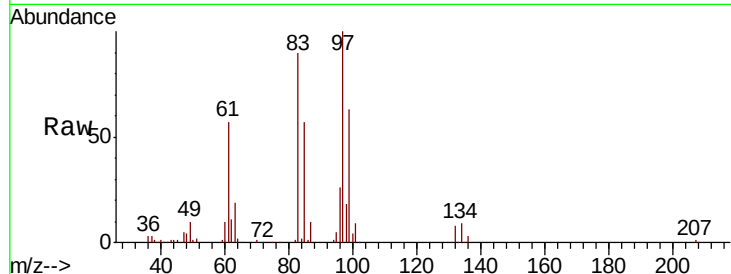




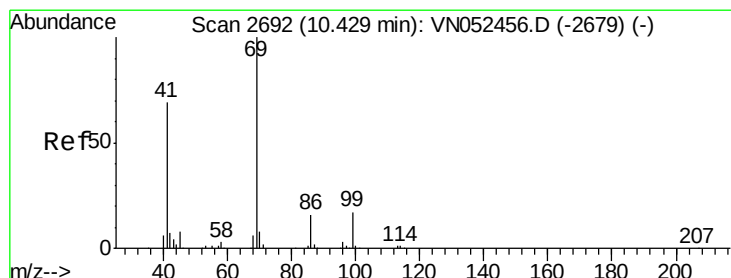
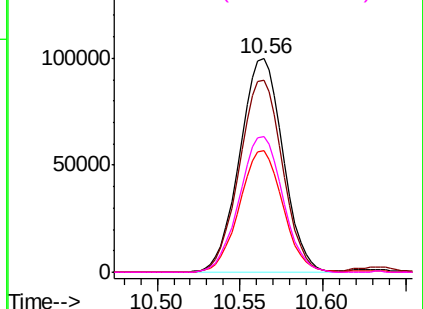
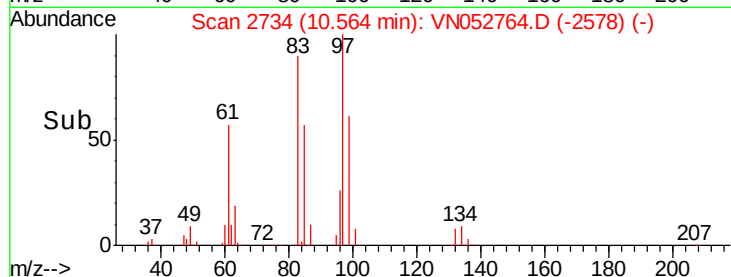
#50
 1,1,2-Trichloroethane
 Concen: 20.759 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 97 Resp: 182243
 Ion Ratio Lower Upper
 97 100
 83 90.1 70.4 105.6
 85 56.8 45.0 67.6
 99 63.4 50.2 75.2

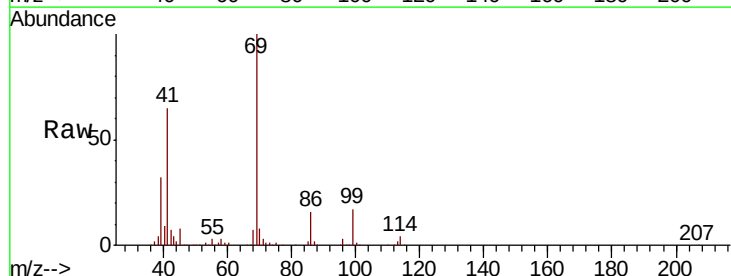


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

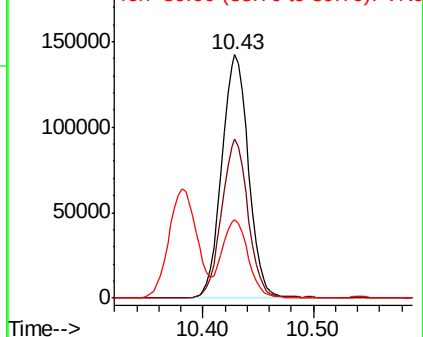
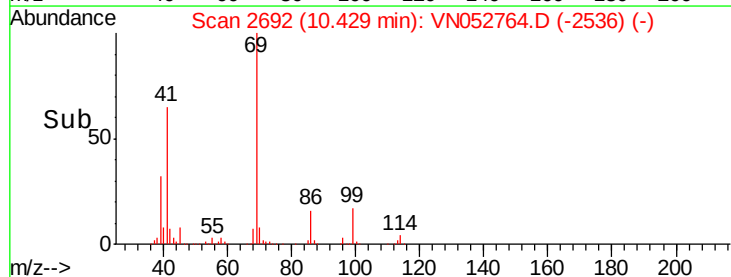


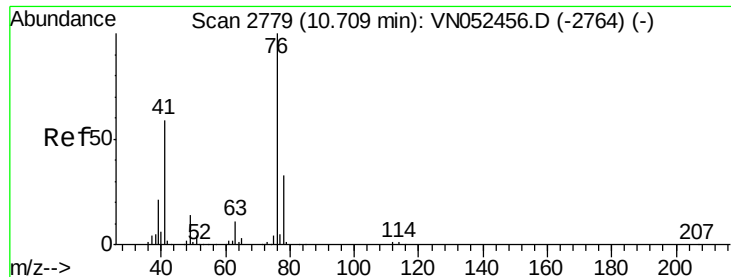
#51
 Ethyl methacrylate
 Concen: 21.692 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 69 Resp: 239180
 Ion Ratio Lower Upper
 69 100
 41 64.8 34.4 103.3
 39 31.7 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

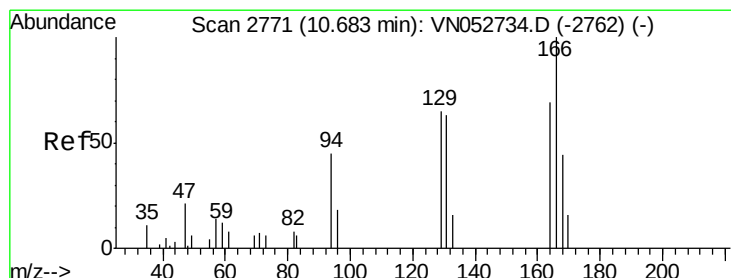
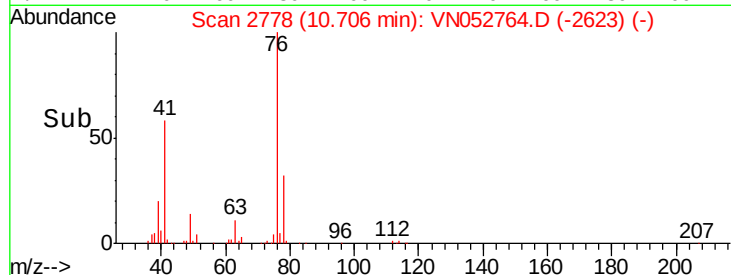
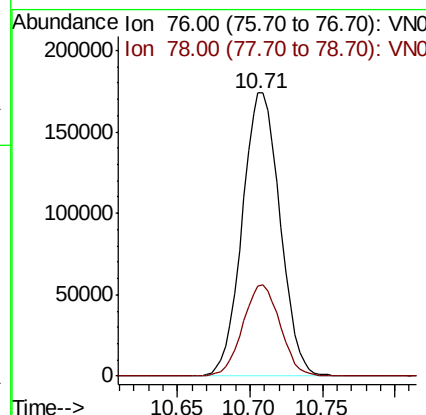
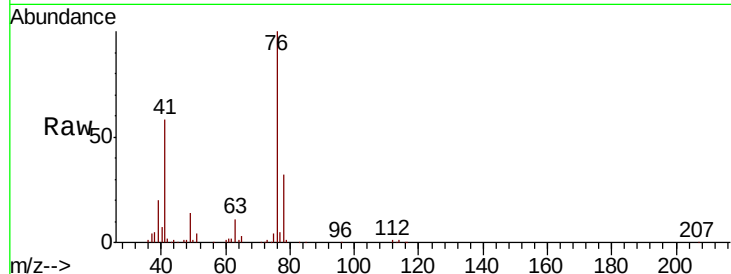




#52
1,3-Dichloropropane
Concen: 20.197 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

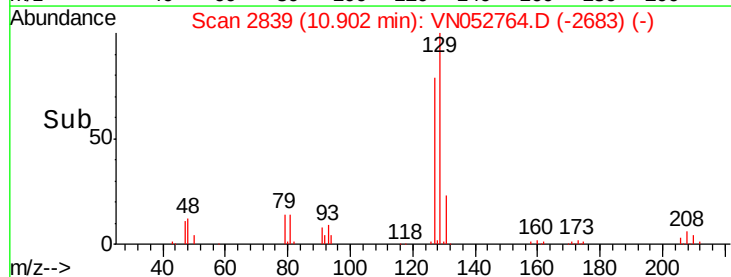
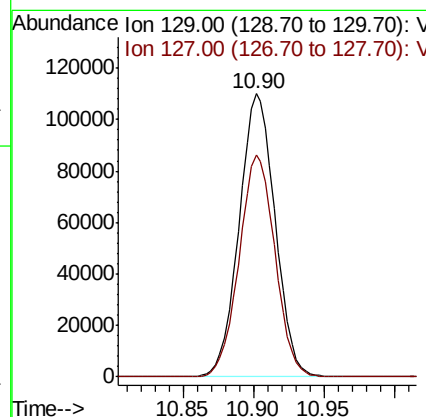
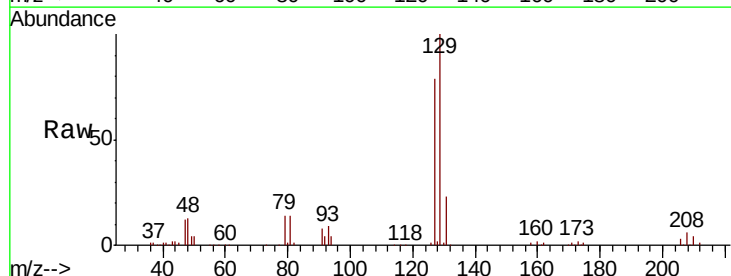
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

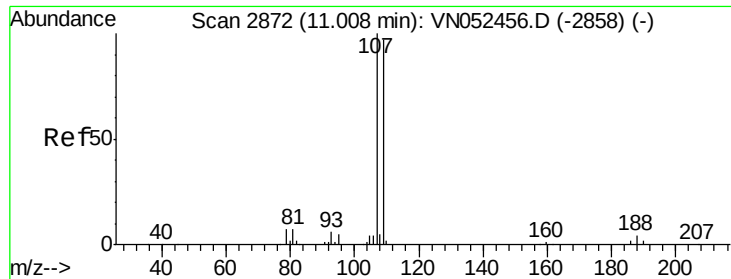
Tot Ion: 76 Resp: 315615
Ion Ratio Lower Upper
76 100
78 31.7 0.0 64.8



#53
Dibromochloromethane
Concen: 20.307 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 129 Resp: 196280
Ion Ratio Lower Upper
129 100
127 78.2 37.6 112.8

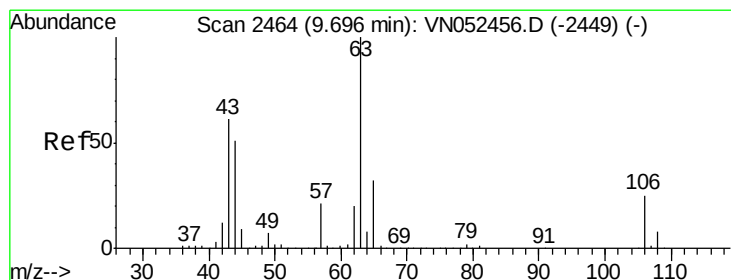
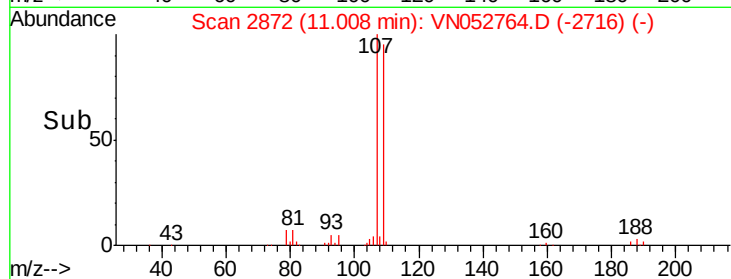
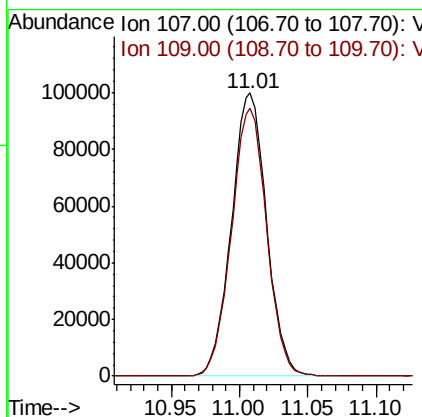
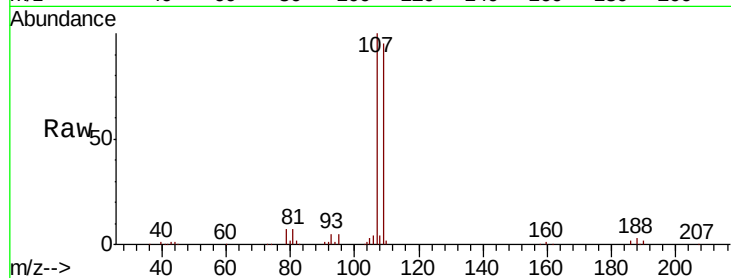




#54
 1,2-Dibromoethane
 Concen: 20.808 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

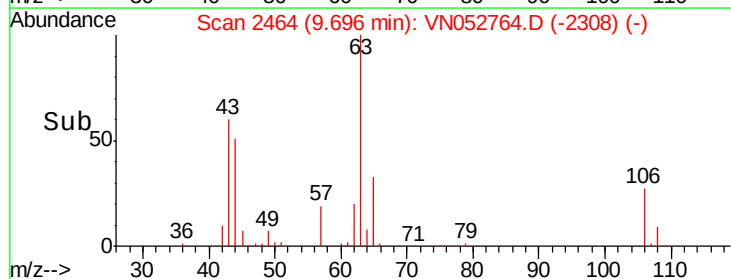
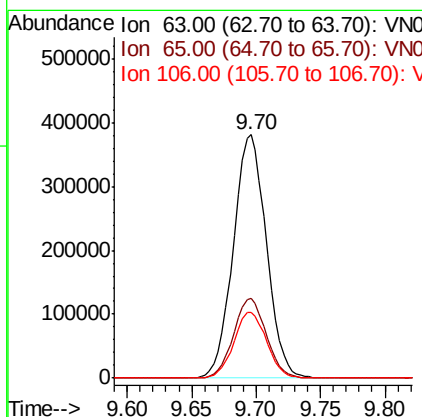
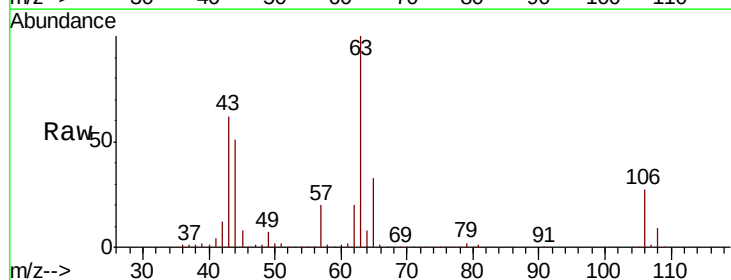
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

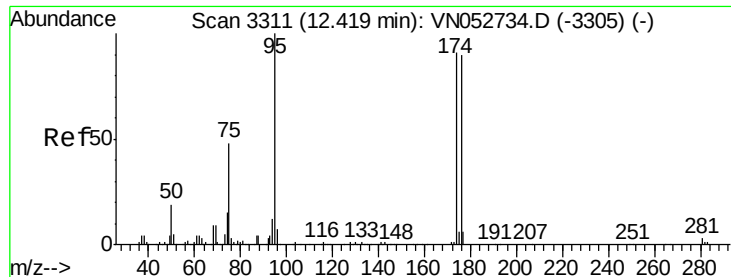
Tot Ion:107 Resp: 178510
 Ion Ratio Lower Upper
 107 100
 109 94.5 77.1 115.7



#55
 2-Chloroethyl vinyl ether
 Concen: 105.233 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 63 Resp: 679195
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.4 38.2
 106 26.9 20.4 30.6





#56

Bromoform

Concen: 20.766 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

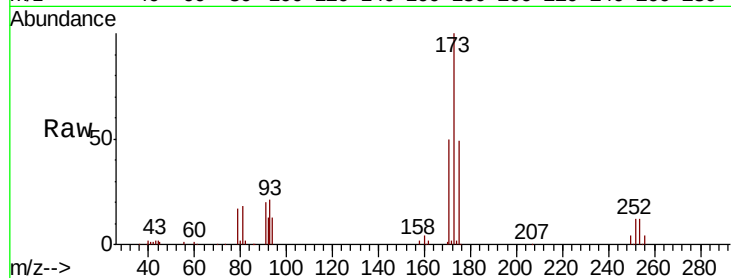
Tot Ion:173 Resp: 131192

Ion Ratio Lower Upper

173 100

175 49.0 38.7 58.1

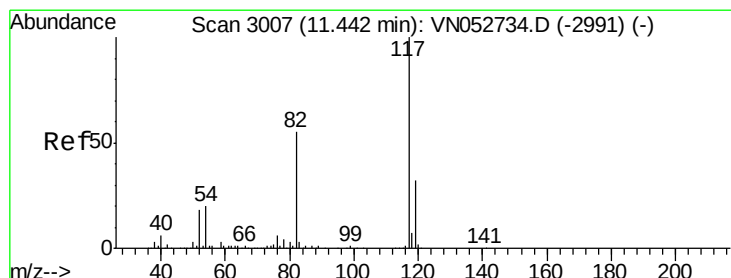
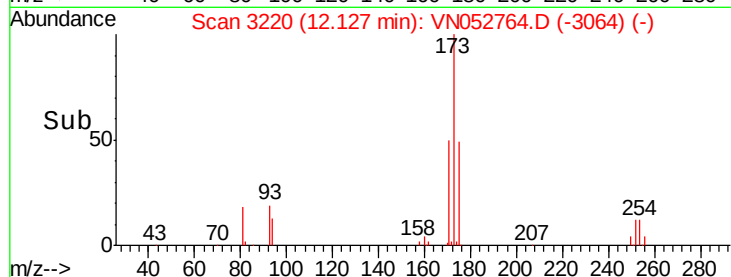
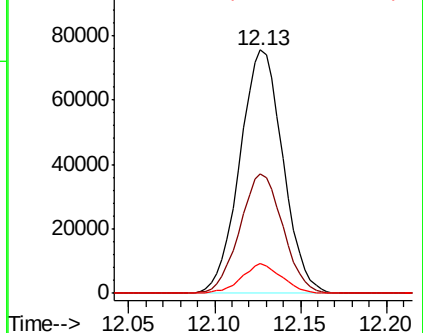
254 11.3 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

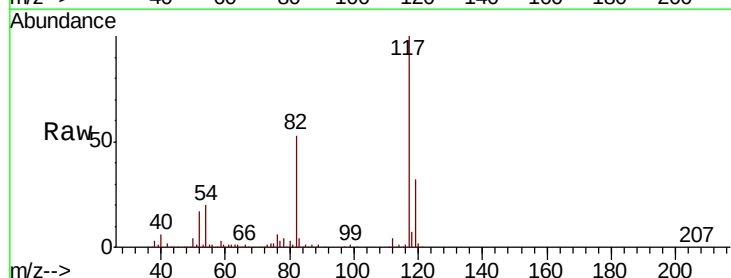
Tgt Ion:117 Resp: 815708

Ion Ratio Lower Upper

117 100

82 53.3 44.2 66.2

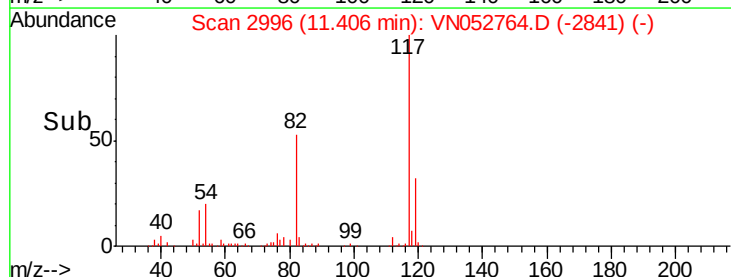
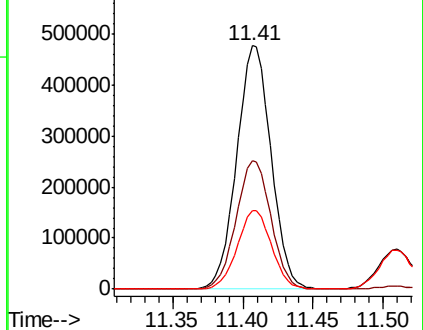
119 32.2 25.4 38.2

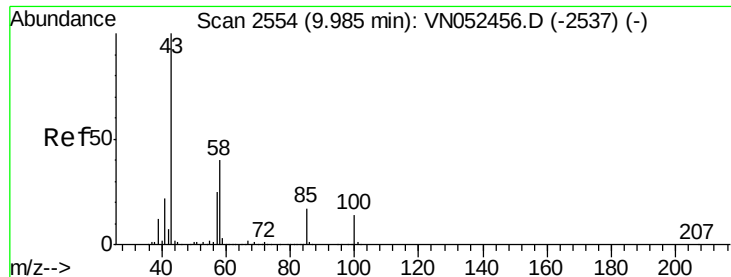


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

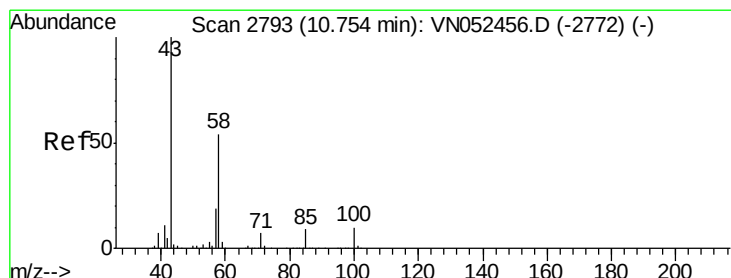
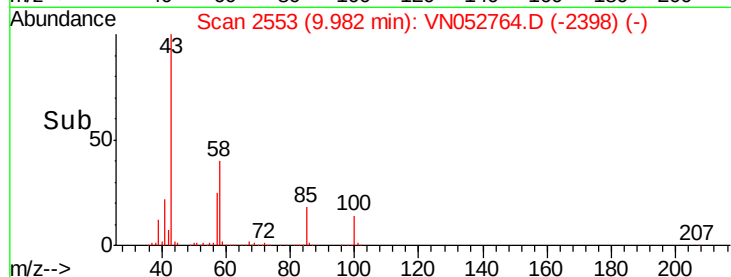
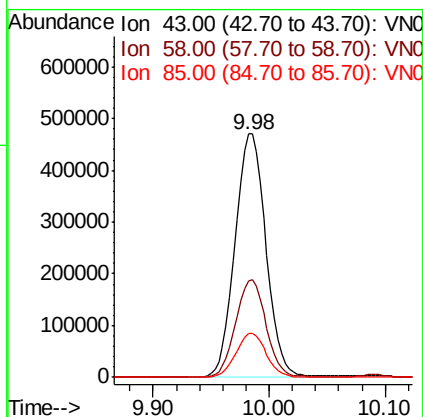
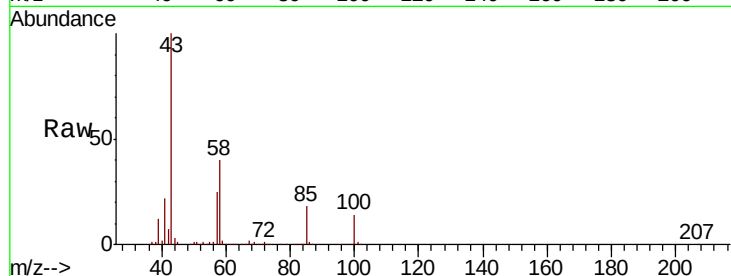




#58
 4-Methyl-2-Pentanone
 Concen: 109.396 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

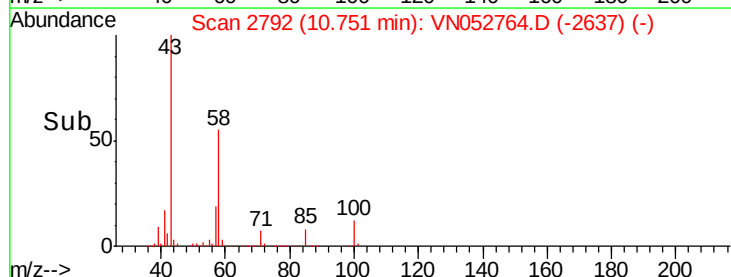
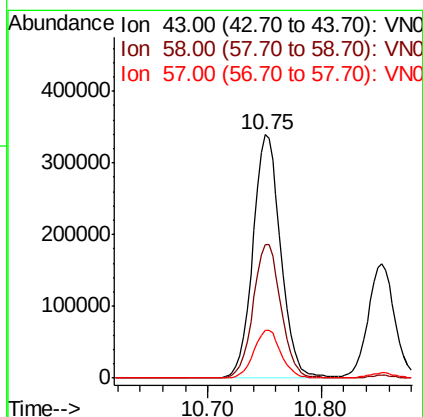
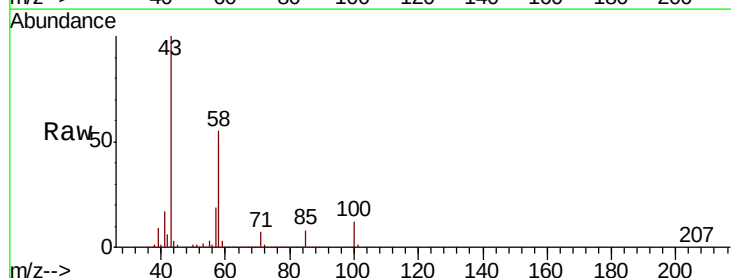
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

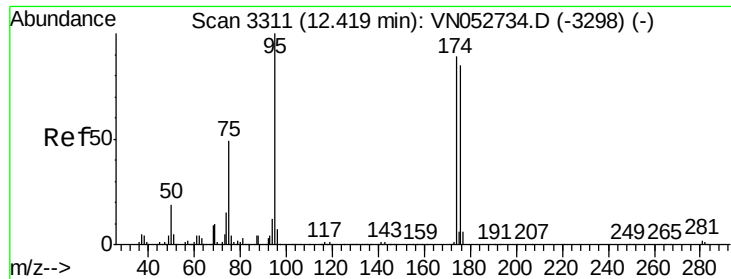
Tot Ion: 43 Resp: 865113
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.6 47.4
 85 17.9 13.3 19.9



#59
 2-Hexanone
 Concen: 106.465 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 43 Resp: 575137
 Ion Ratio Lower Upper
 43 100
 58 55.6 43.2 64.8
 57 19.6 14.9 22.3

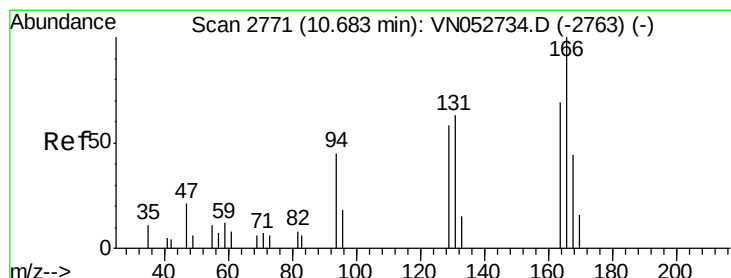
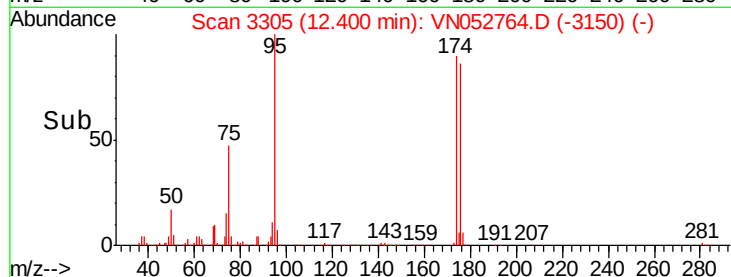
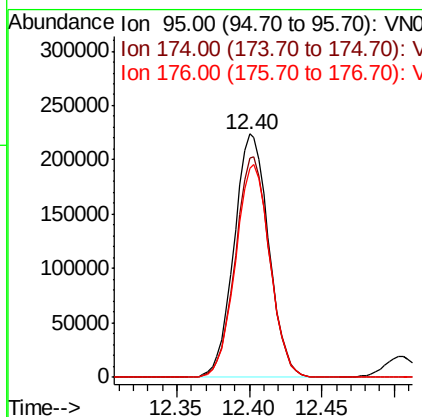
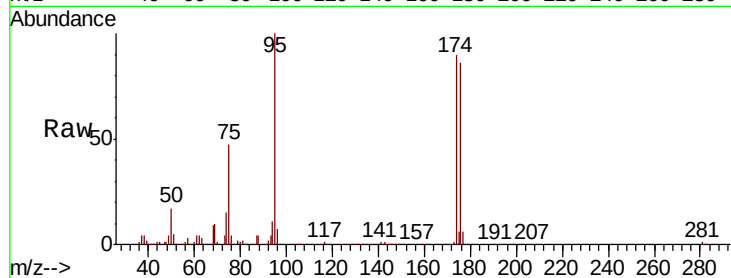




#60
4-Bromofluorobenzene
Concen: 106.465 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

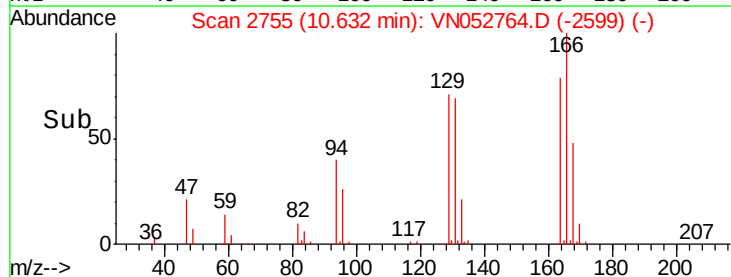
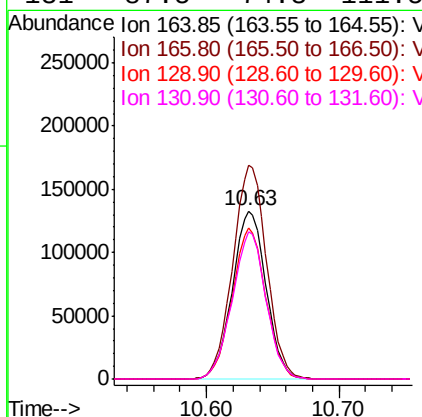
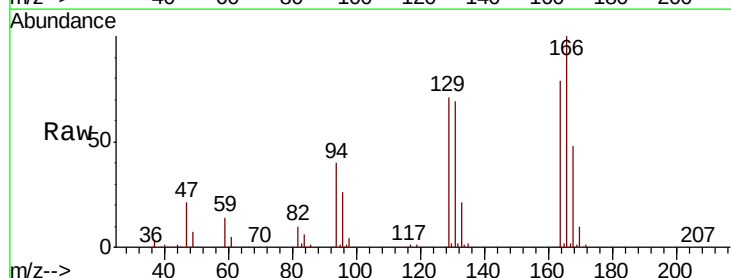
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

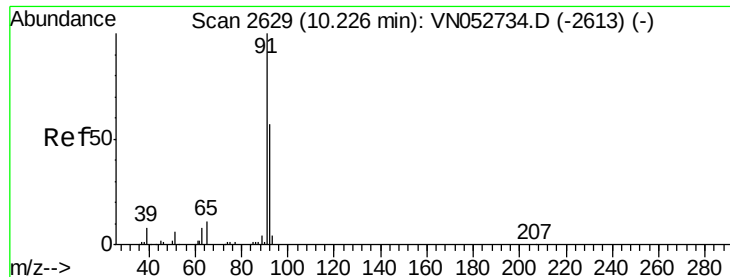
Tot Ion: 95 Resp: 370847
Ion Ratio Lower Upper
95 100
174 89.8 67.9 101.9
176 87.0 66.4 99.6



#61
Tetrachloroethene
Concen: 23.279 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion:164 Resp: 233873
Ion Ratio Lower Upper
164 100
166 127.4 104.6 157.0
129 90.1 75.3 112.9
131 87.5 74.3 111.5





#62

Toluene

Concen: 19.617 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

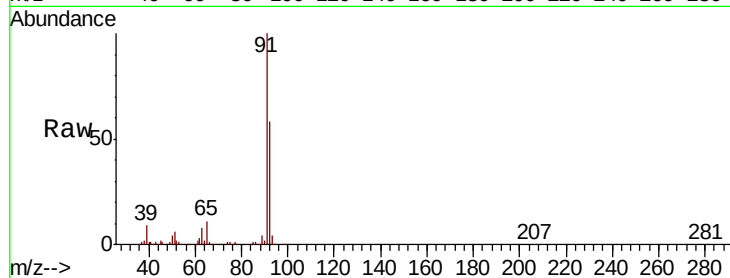
VSTDCCC020EC

Tot Ion: 91 Resp: 882112

Ion Ratio Lower Upper

91 100

92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

10.16

500000

400000

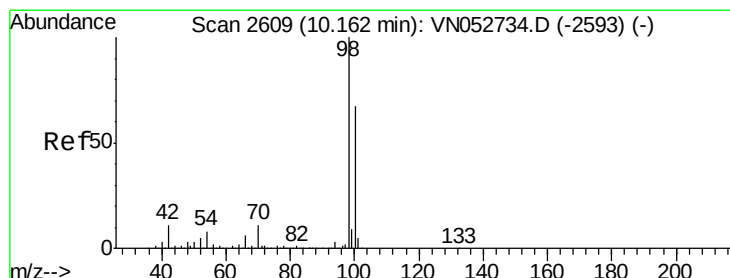
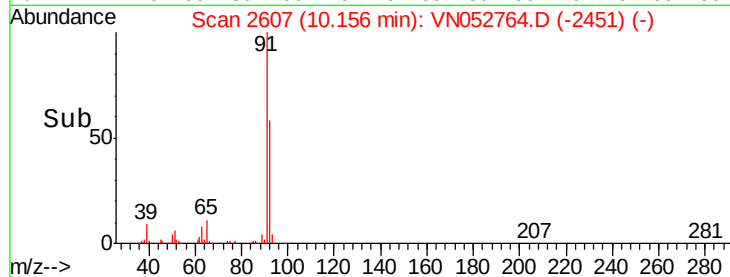
300000

200000

100000

0

Time-->



#63

Toluene-d8

Concen: 19.617 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052764.D

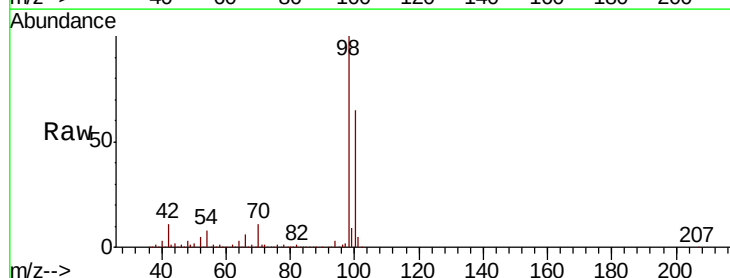
Acq: 10 Dec 2018 20:04

Tgt Ion: 98 Resp: 1096574

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

10.09

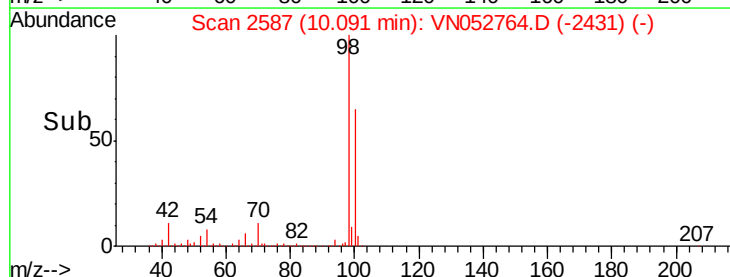
600000

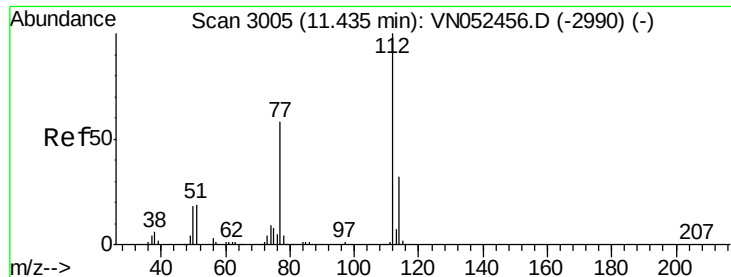
400000

200000

0

Time-->

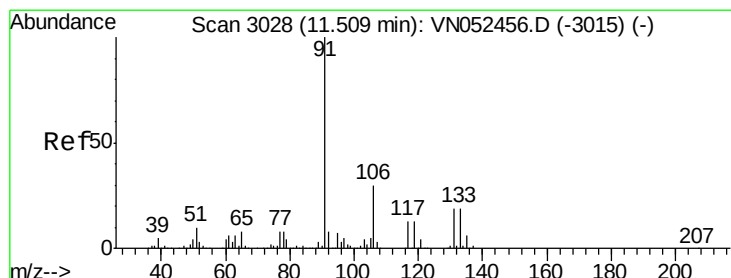
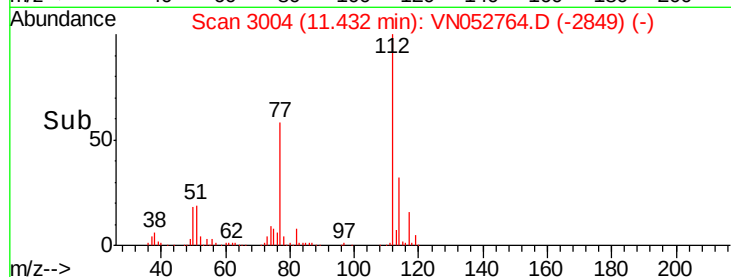
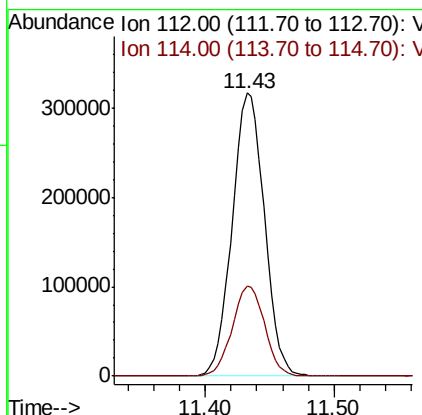
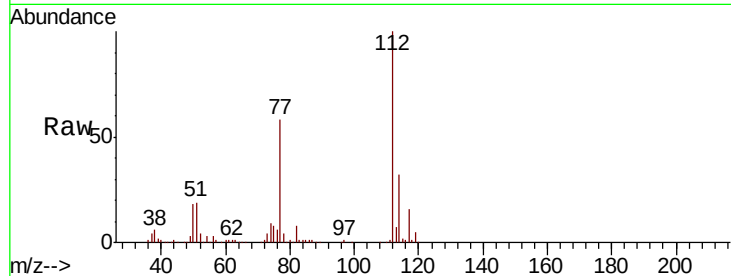




#64
Chlorobenzene
Concen: 20.015 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

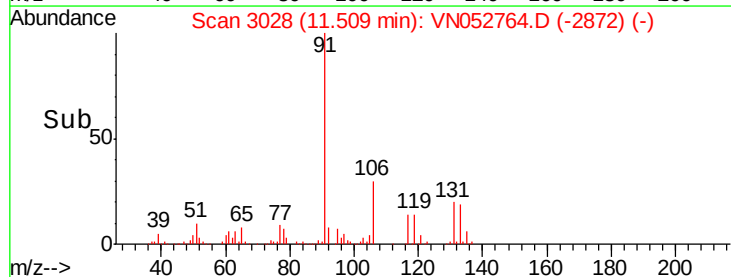
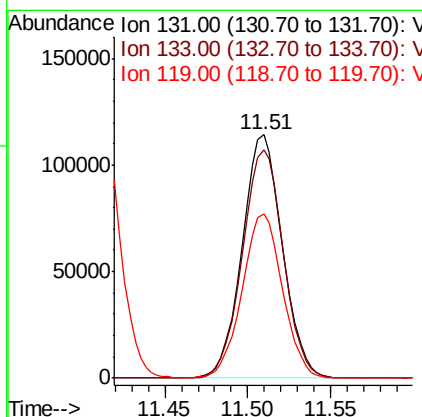
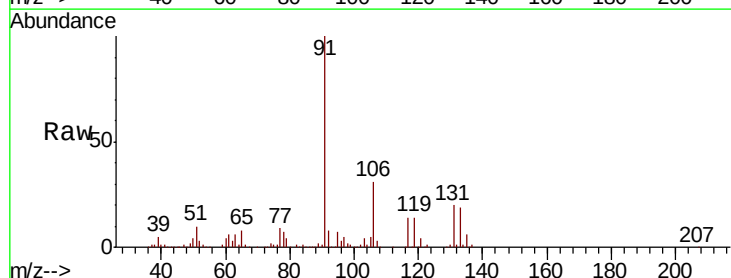
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

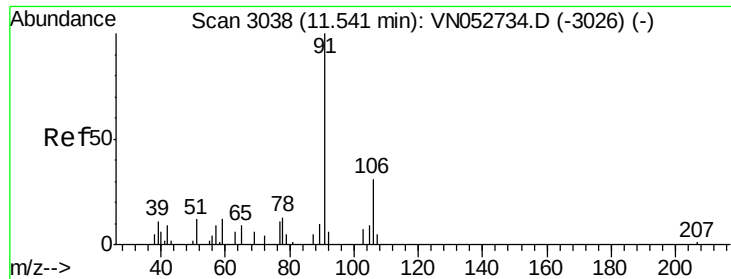
Tot Ion:112 Resp: 549360
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#65
1,1,1,2-Tetrachloroethane
Concen: 20.231 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion:131 Resp: 192740
Ion Ratio Lower Upper
131 100
133 95.4 0.0 193.4
119 67.8 0.0 133.0

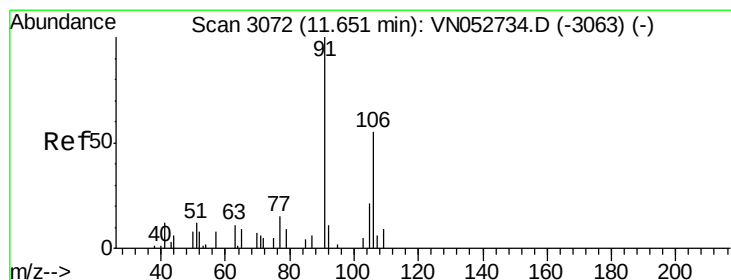
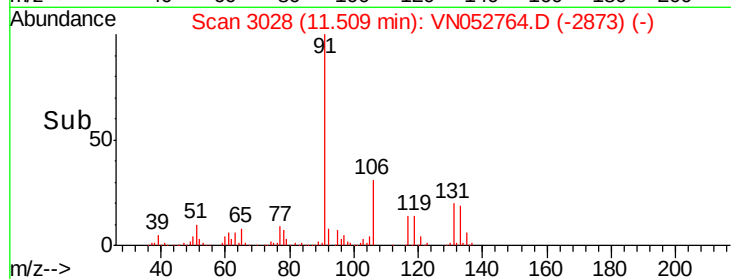
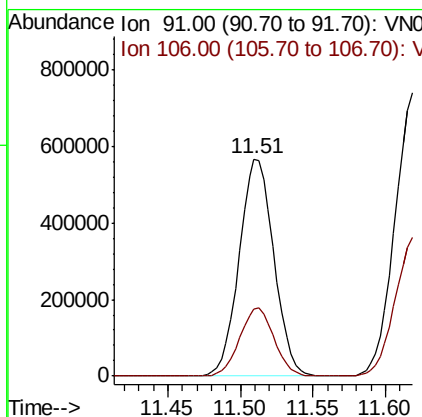
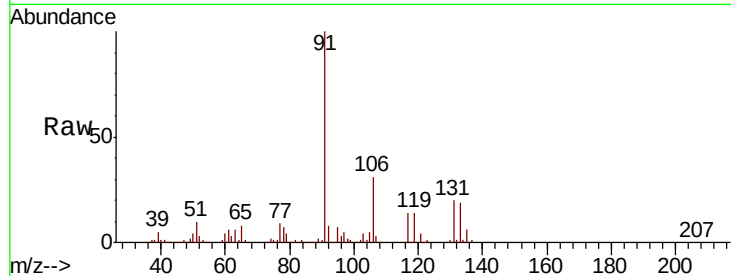




#66
Ethyl Benzene
Concen: 19.435 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

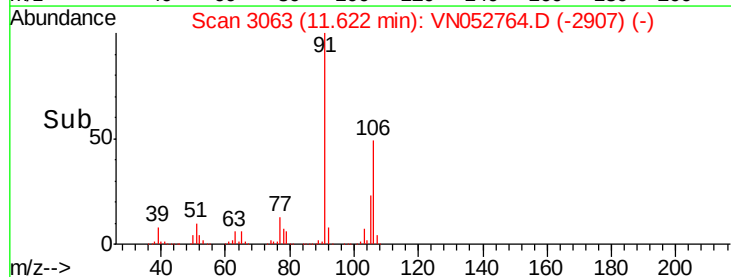
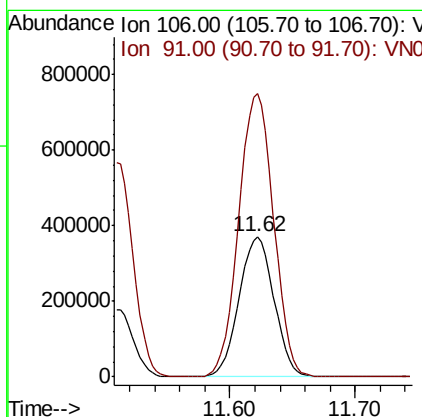
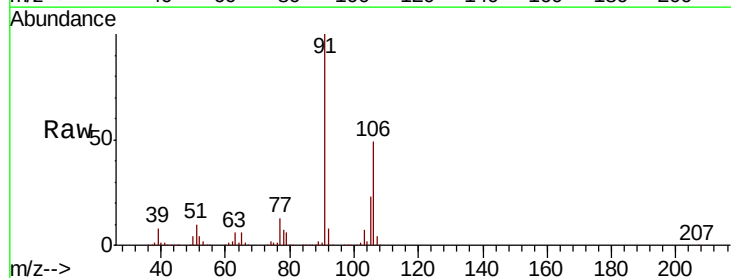
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

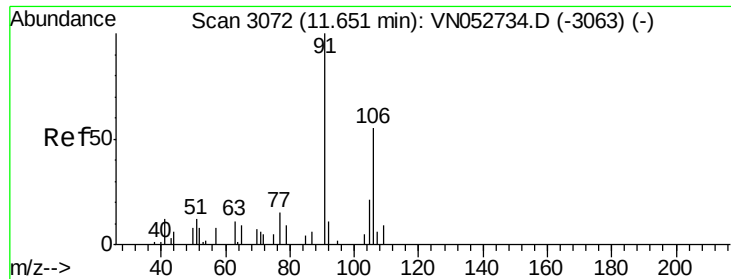
Tot Ion: 91 Resp: 941905
Ion Ratio Lower Upper
91 100
106 31.1 24.3 36.5



#67
m/p-Xylenes
Concen: 39.681 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 106 Resp: 716467
Ion Ratio Lower Upper
106 100
91 201.8 163.9 245.9

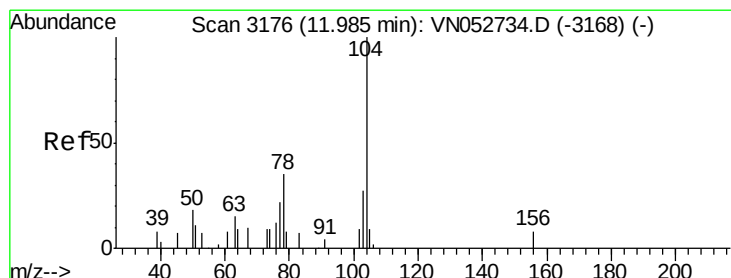
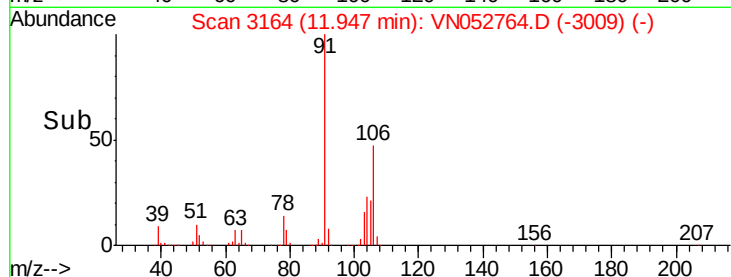
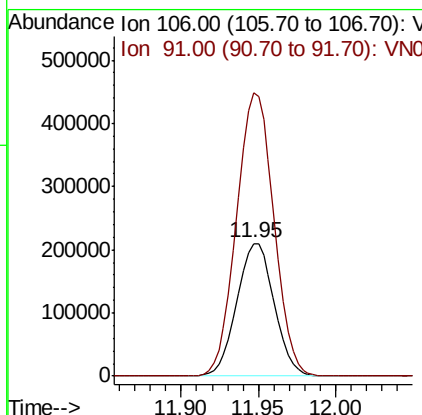
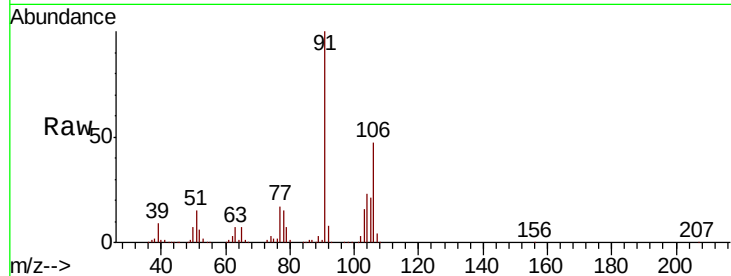




#68
o-Xylene
Concen: 20.141 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

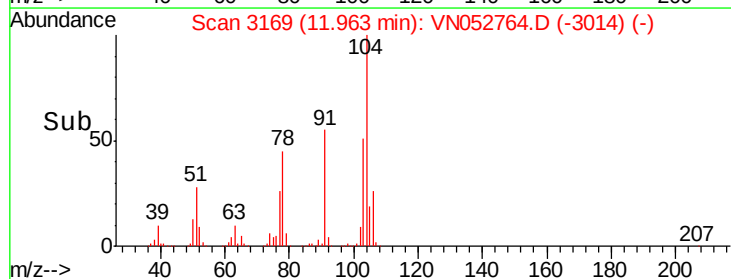
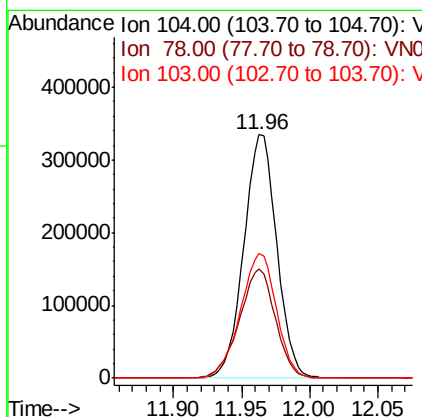
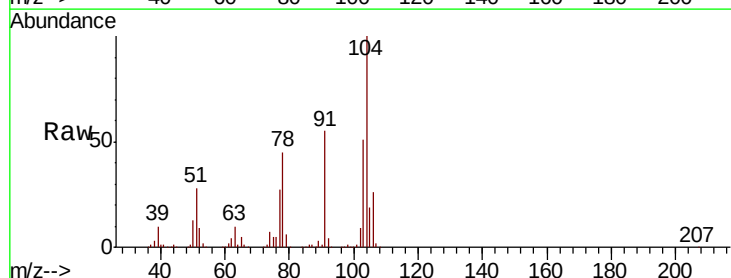
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

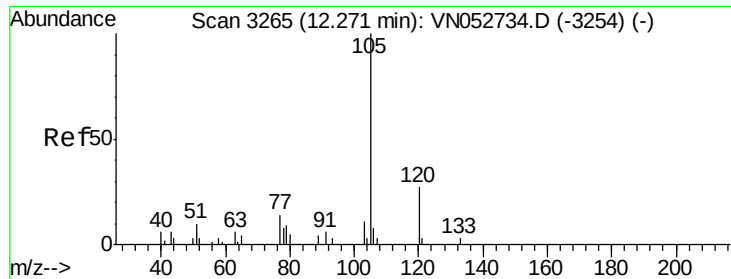
Tot Ion:106 Resp: 352960
Ion Ratio Lower Upper
106 100
91 213.3 107.8 323.4



#69
Styrene
Concen: 19.864 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion:104 Resp: 561893
Ion Ratio Lower Upper
104 100
78 48.9 39.3 58.9
103 55.8 44.6 66.8





#70

Isopropylbenzene

Concen: 20.012 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

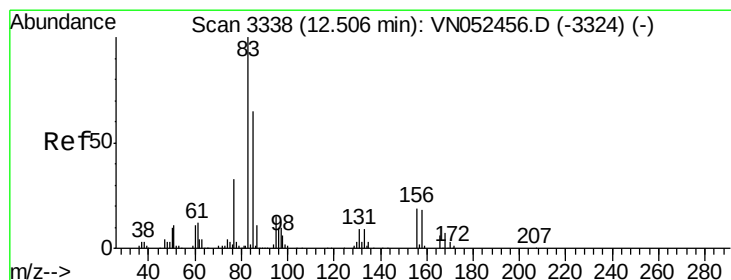
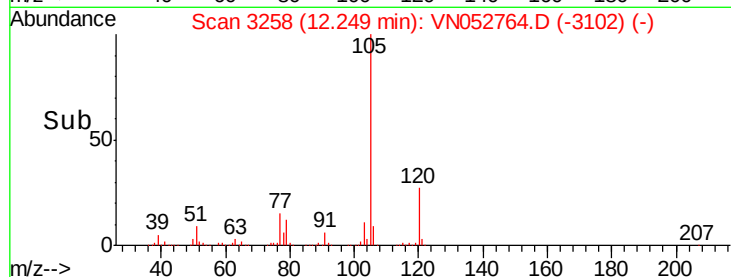
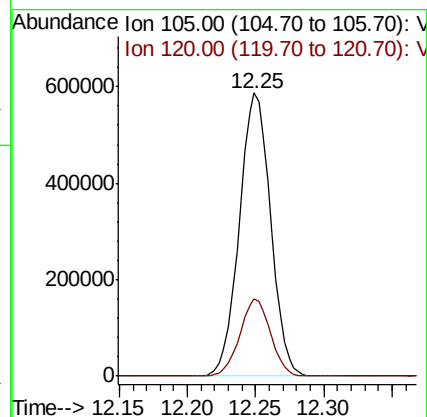
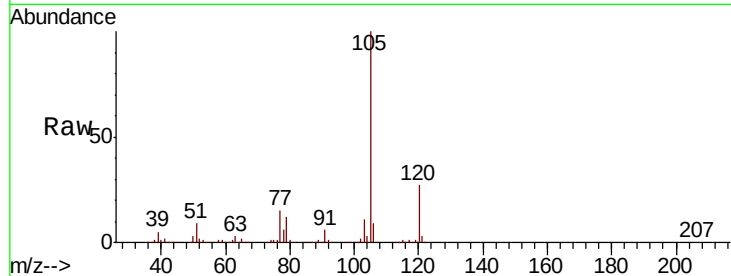
VSTDCCC020EC

Tot Ion:105 Resp: 933144

Ion Ratio Lower Upper

105 100

120 26.8 18.6 34.6



#71

1,1,2,2-Tetrachloroethane

Concen: 20.832 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

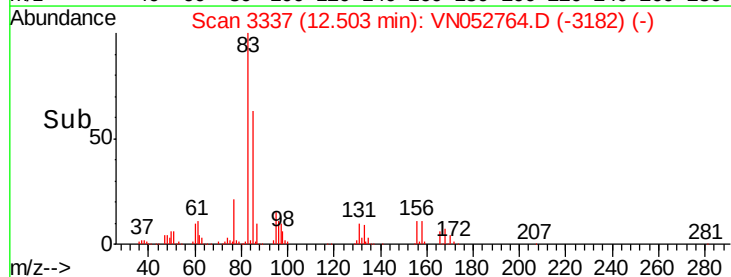
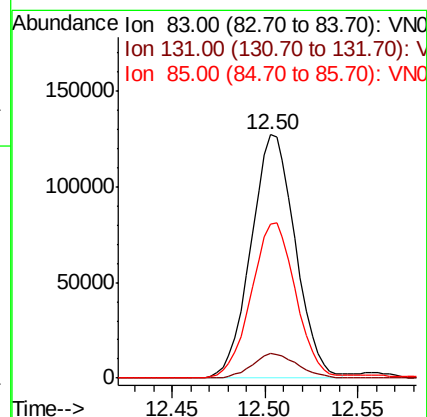
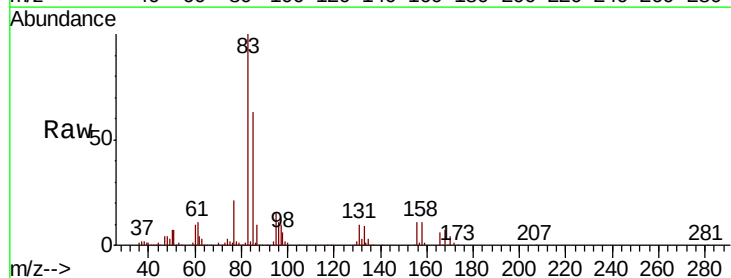
Tgt Ion: 83 Resp: 211296

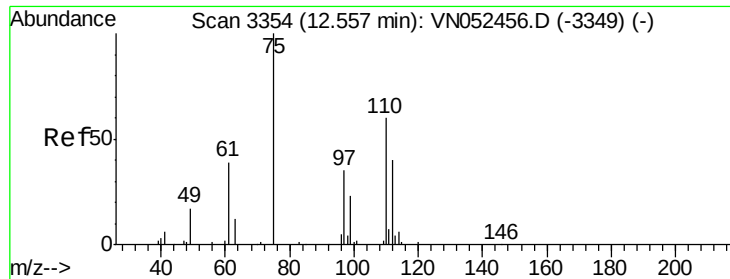
Ion Ratio Lower Upper

83 100

131 10.4 4.9 14.6

85 63.8 32.2 96.6





#72

1,2,3-Trichloropropane

Concen: 30.955 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

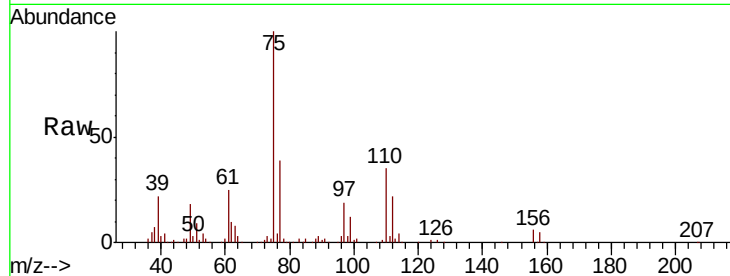
VSTDCCC020EC

Tot Ion: 75 Resp: 269527

Ion Ratio Lower Upper

75 100

77 159.6 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN052456.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN052456.D (-3349) (-)

250000

200000

150000

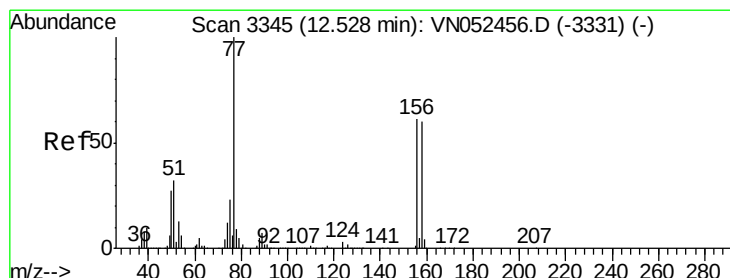
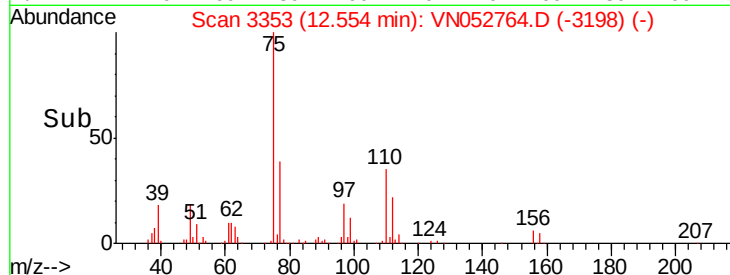
100000

50000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 20.821 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

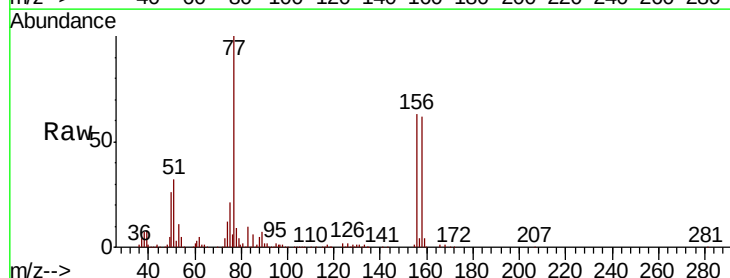
Tgt Ion: 156 Resp: 234807

Ion Ratio Lower Upper

156 100

77 183.2 0.0 382.6

158 97.2 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): VN052456.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN052456.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN052456.D (-3331) (-)

300000

250000

200000

150000

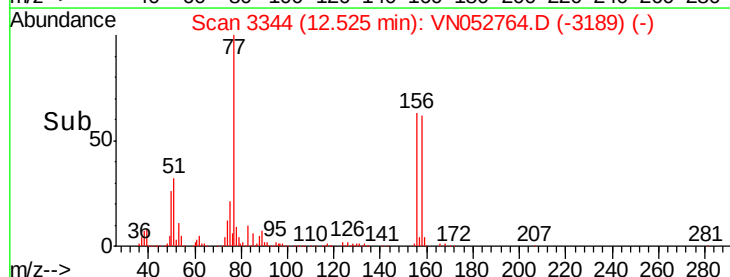
100000

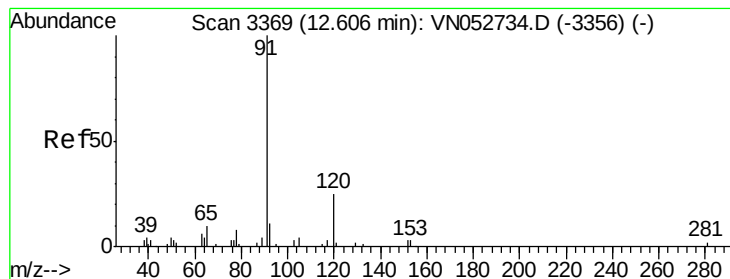
50000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 19.385 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

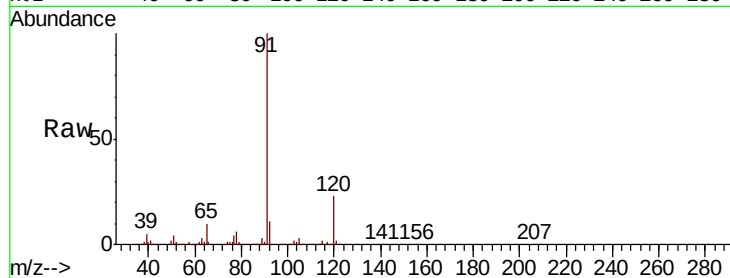
VSTDCCC020EC

Tot Ion: 91 Resp: 1053139

Ion Ratio Lower Upper

91 100

120 22.8 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN052764.D (-3209) (-)

Ion 120.00 (119.70 to 120.70): VN052764.D (-3209) (-)

12.59

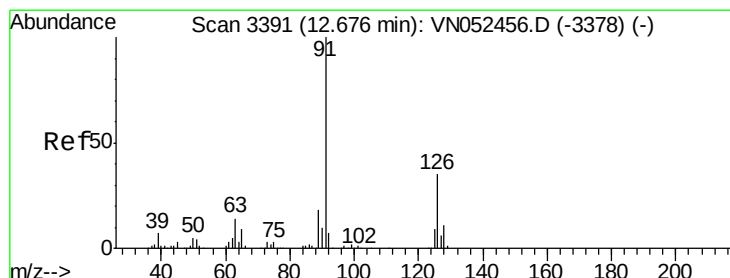
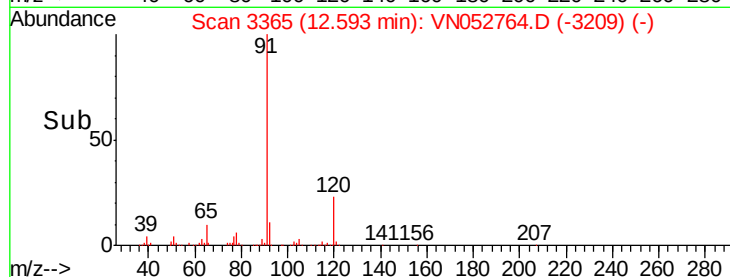
600000

400000

200000

0

Time-->



#75

2-Chlorotoluene

Concen: 20.020 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052764.D

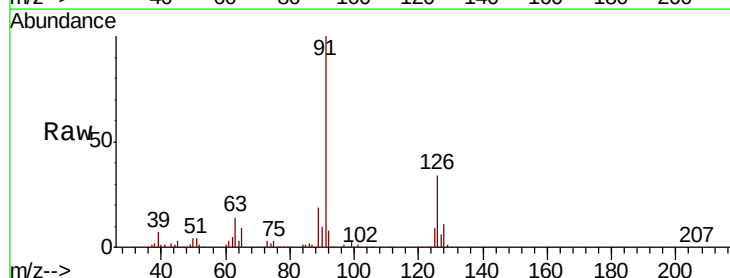
Acq: 10 Dec 2018 20:04

Tgt Ion: 91 Resp: 631319

Ion Ratio Lower Upper

91 100

126 33.9 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN052764.D (-3235) (-)

Ion 126.00 (125.70 to 126.70): VN052764.D (-3235) (-)

12.67

600000

500000

400000

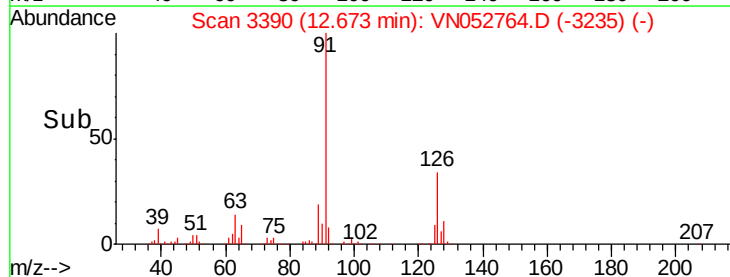
300000

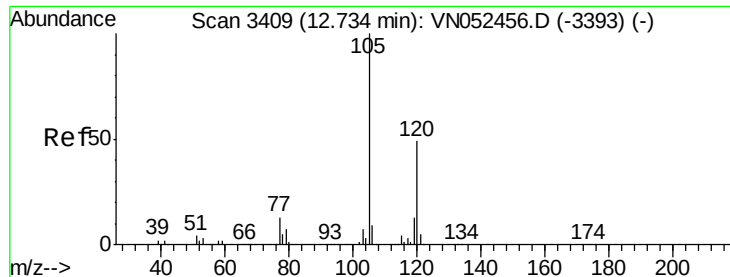
200000

100000

0

Time-->

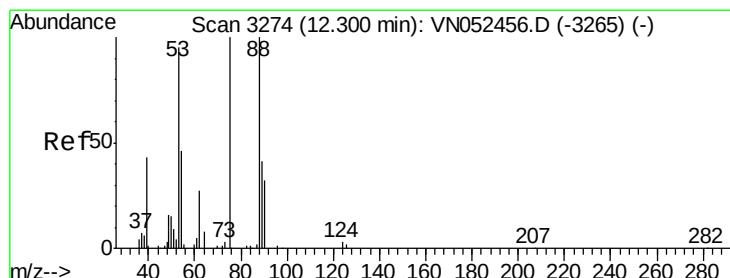
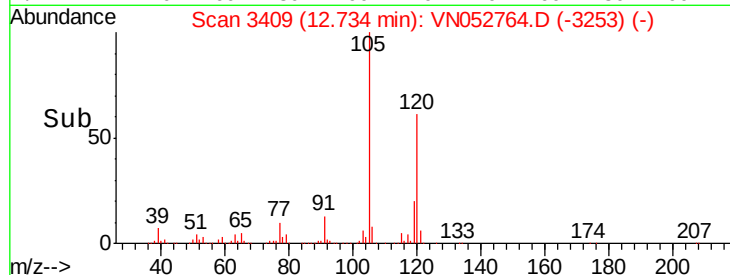
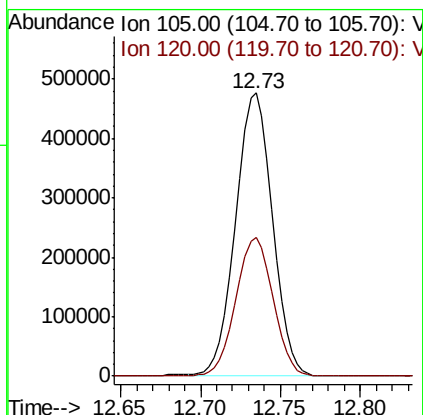
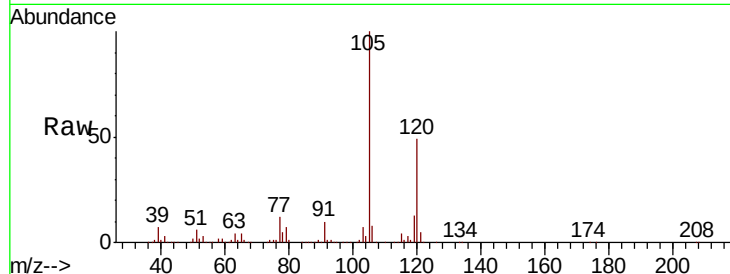




#76
 1,3,5-Trimethylbenzene
 Concen: 19.861 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

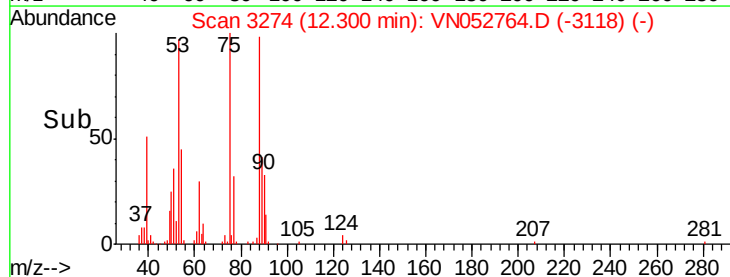
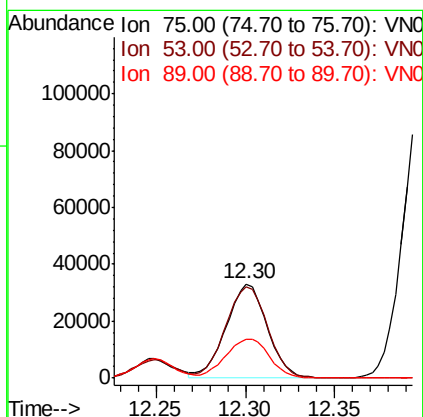
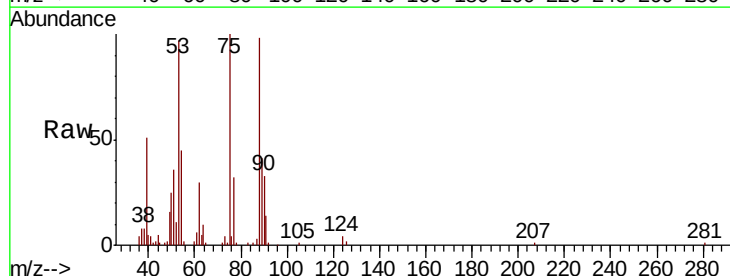
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

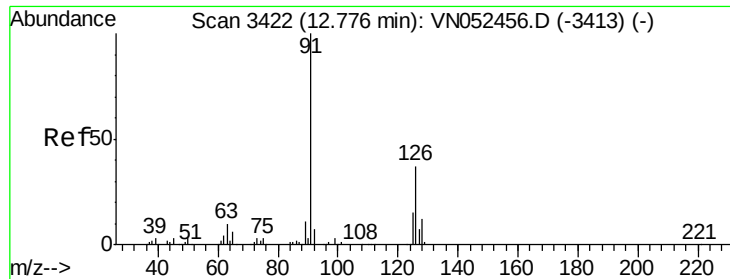
Tot Ion:105 Resp: 747996
 Ion Ratio Lower Upper
 105 100
 120 49.5 0.0 97.4



#77
 t-1,4-Dichloro-2-butene
 Concen: 19.422 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion: 75 Resp: 53422
 Ion Ratio Lower Upper
 75 100
 53 96.4 48.5 145.6
 89 41.4 21.7 65.1

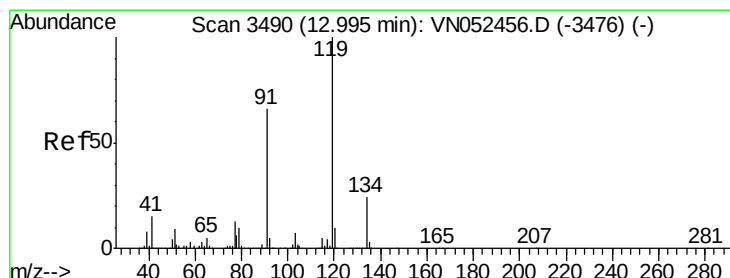
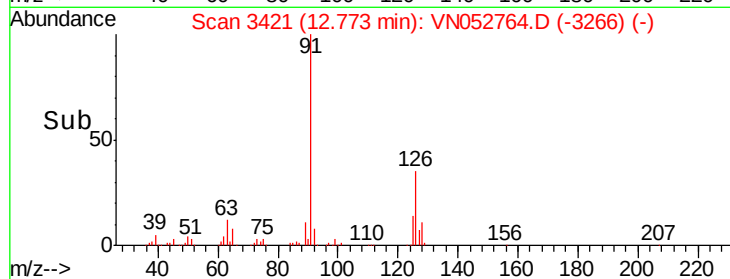
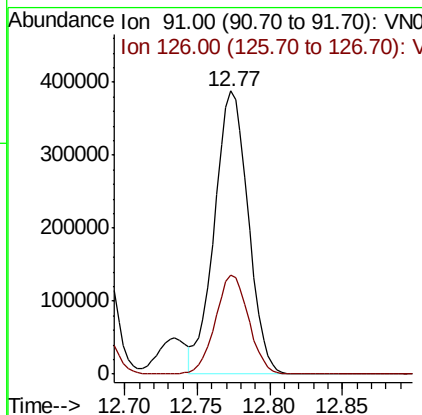
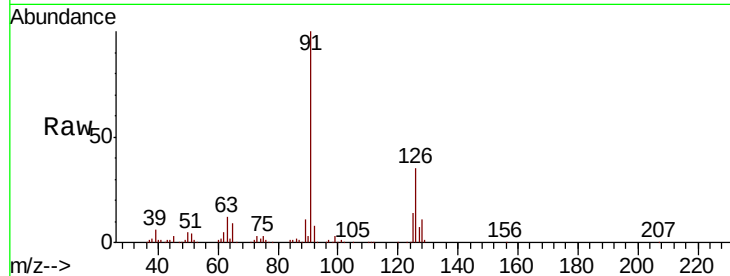




#78
4-Chlorotoluene
Concen: 19.990 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

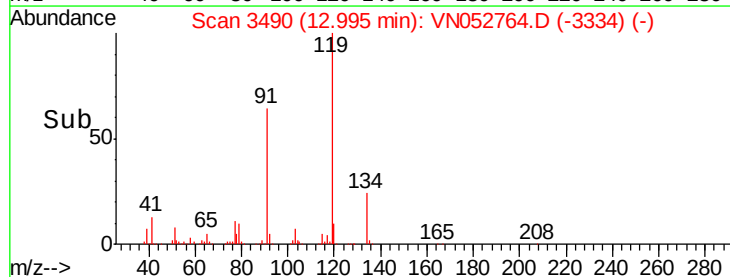
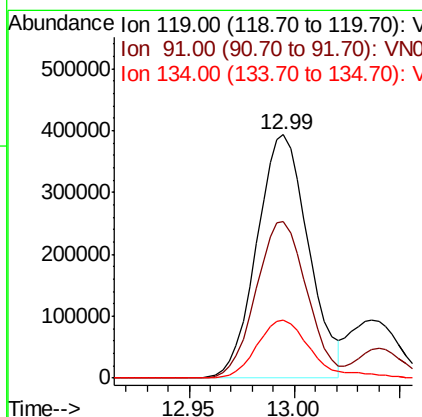
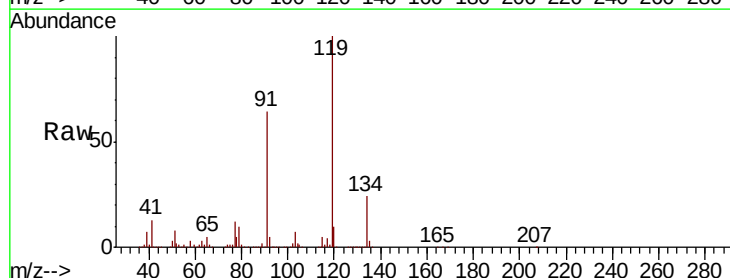
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

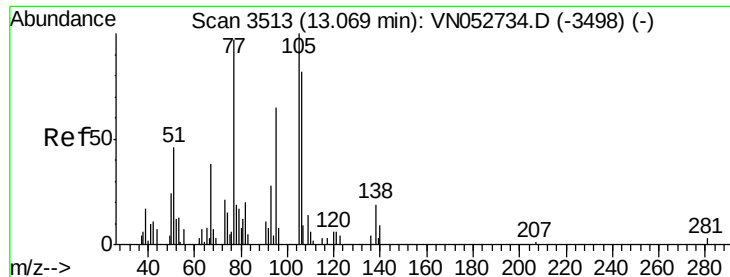
Tot Ion: 91 Resp: 629517
Ion Ratio Lower Upper
91 100
126 34.5 0.0 68.2



#79
tert-butylbenzene
Concen: 20.370 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion: 119 Resp: 668111
Ion Ratio Lower Upper
119 100
91 63.8 0.0 129.8
134 25.1 0.0 52.2

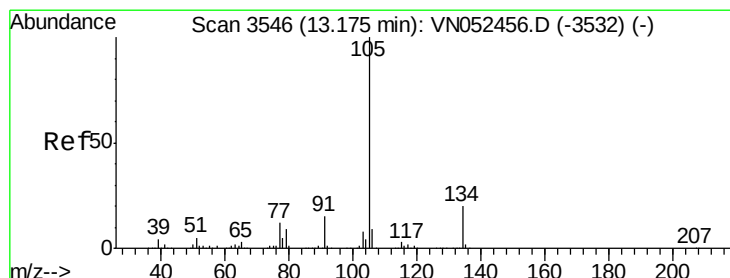
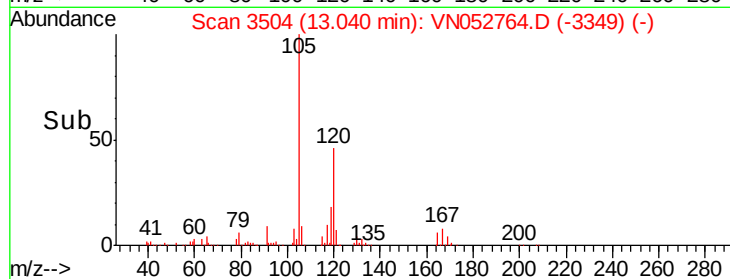
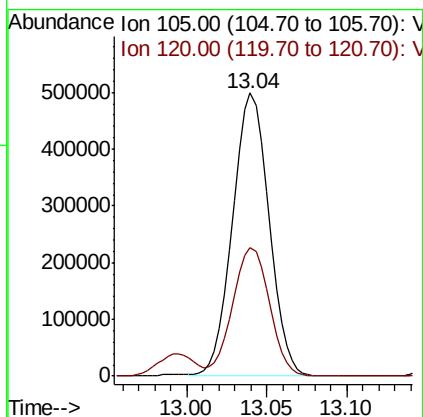
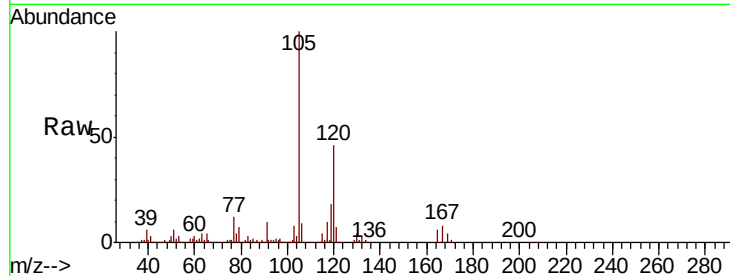




#80
 1,2,4-Trimethylbenzene
 Concen: 20.547 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

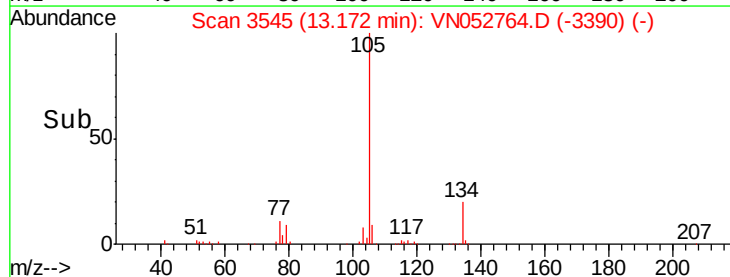
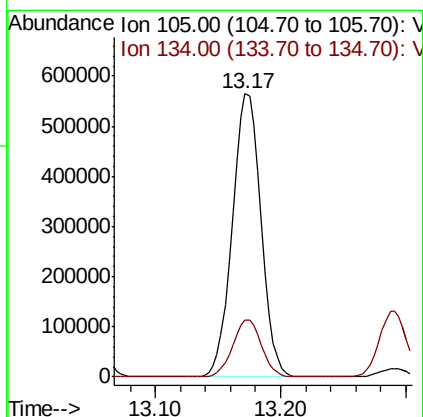
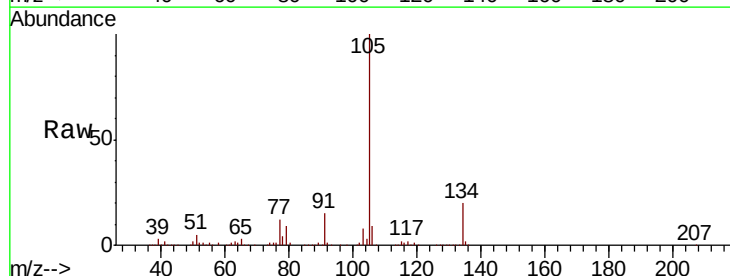
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

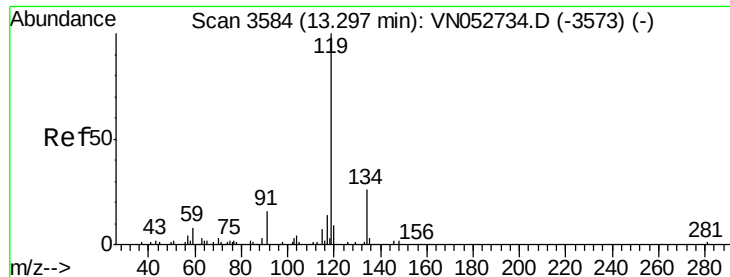
Tot Ion:105 Resp: 774335
 Ion Ratio Lower Upper
 105 100
 120 46.0 0.0 91.0



#81
 sec-Butylbenzene
 Concen: 19.559 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion:105 Resp: 893545
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.4

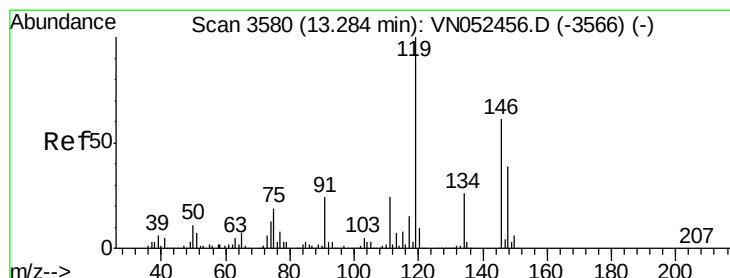
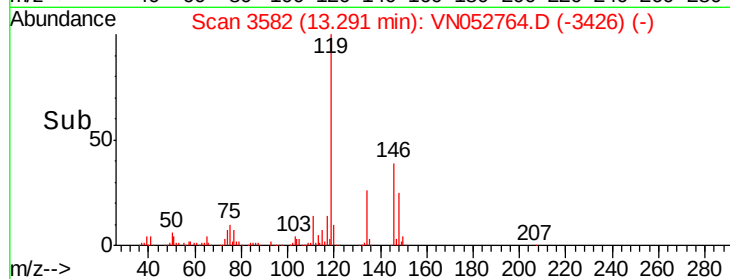
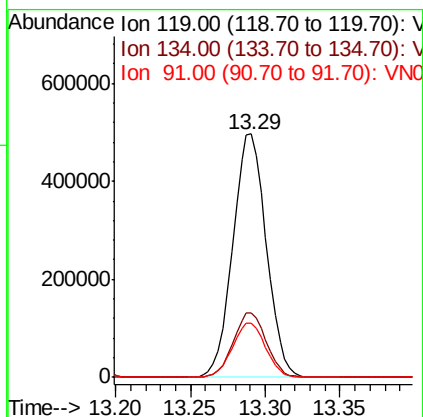
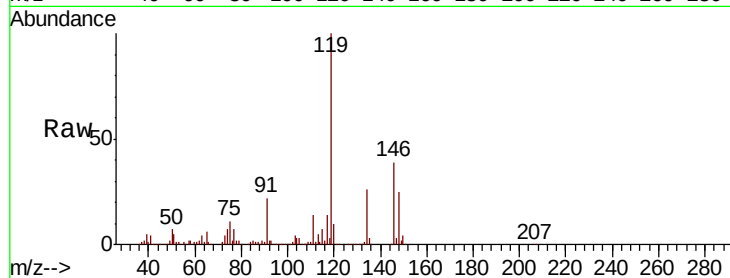




#82
 p-Isopropyltoluene
 Concen: 19.864 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

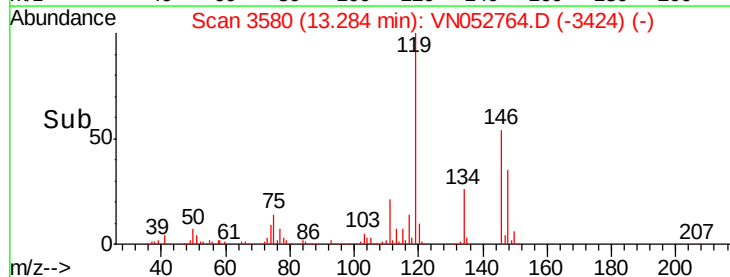
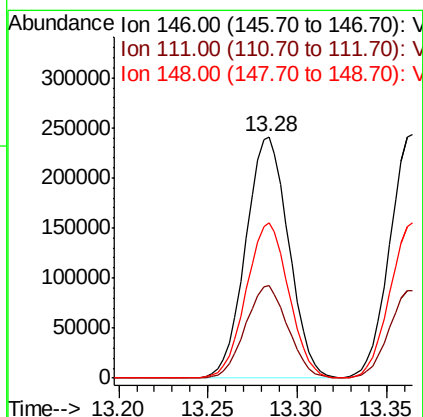
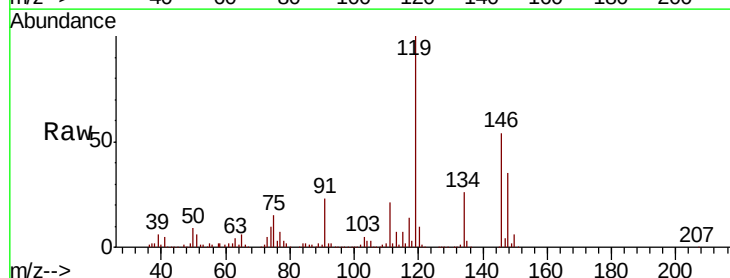
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

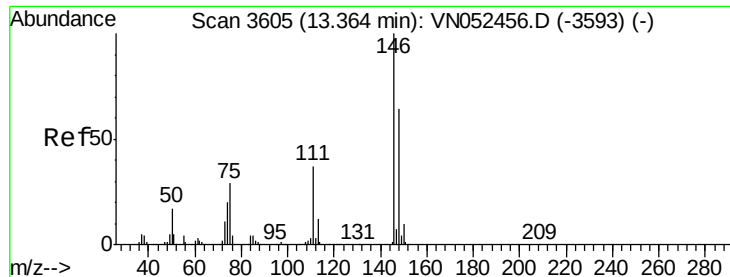
Tot Ion:119	Resp:	772755
Ion	Ratio	Lower Upper
119	100	
134	26.2	0.0 52.6
91	22.1	0.0 46.2



#83
 1,3-Dichlorobenzene
 Concen: 20.487 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion:146	Resp:	406335
Ion	Ratio	Lower Upper
146	100	
111	37.8	19.7 59.0
148	63.8	32.3 96.8

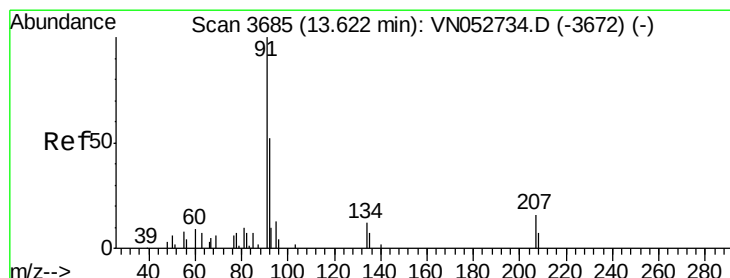
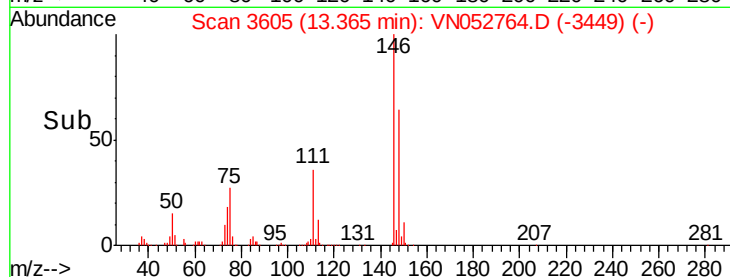
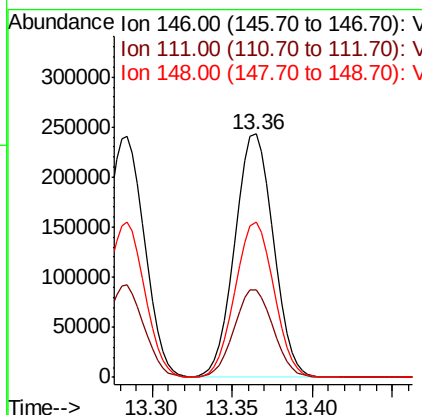
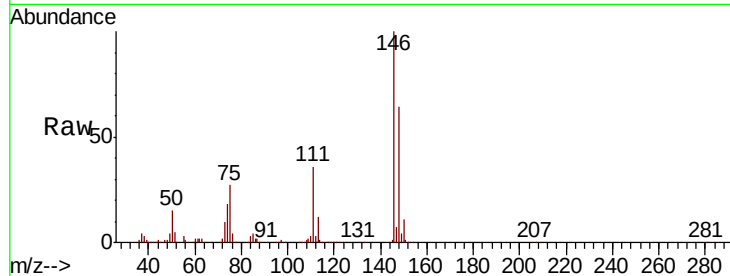




#84
 1,4-Dichlorobenzene
 Concen: 20.880 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

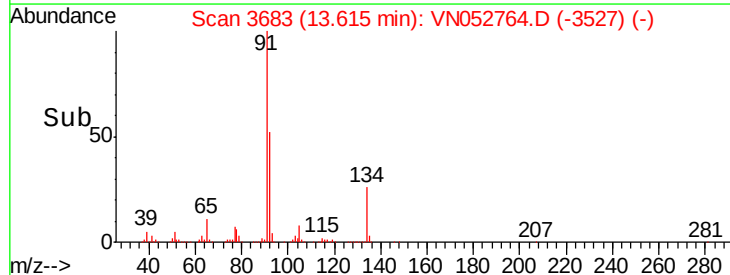
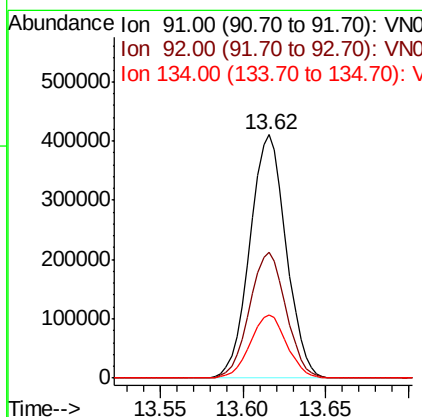
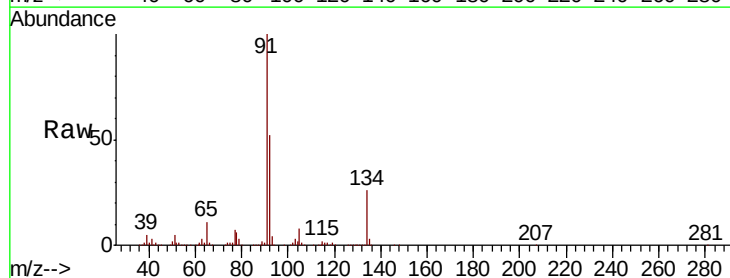
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

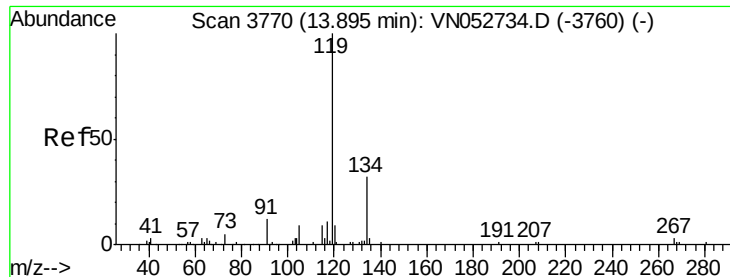
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.8	56.3
148	64.0	32.5	97.4



#85
 n-Butylbenzene
 Concen: 18.680 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	0.0	104.2
134	26.1	0.0	50.6





#86

Hexachloroethane

Concen: 19.023 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

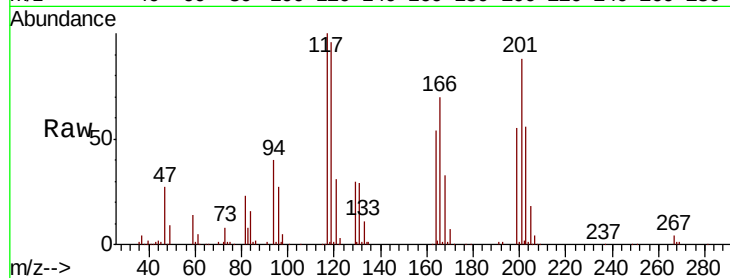
VSTDCCC020EC

Tot Ion:117 Resp: 125386

Ion Ratio Lower Upper

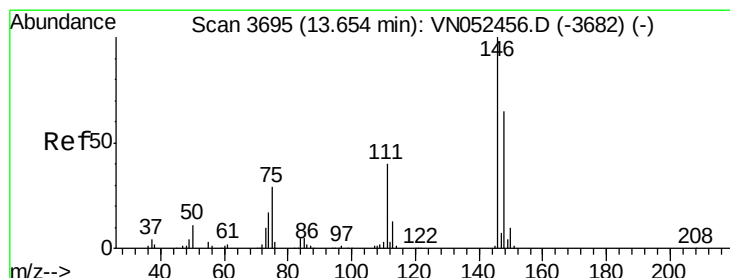
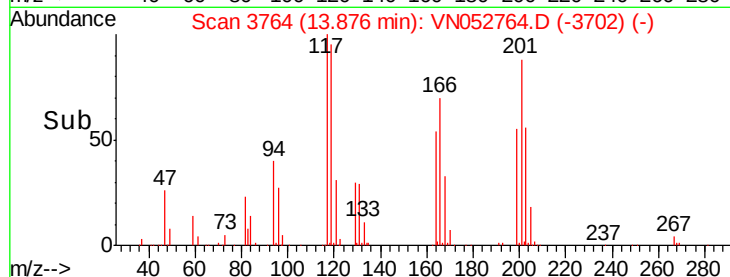
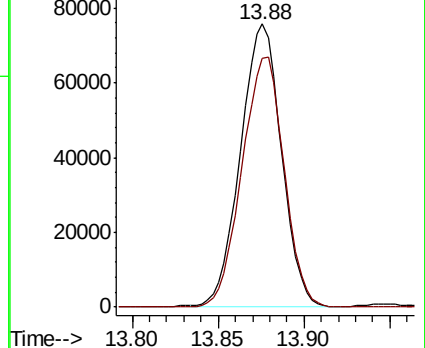
117 100

201 90.3 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V



#87

1,2-Dichlorobenzene

Concen: 21.235 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

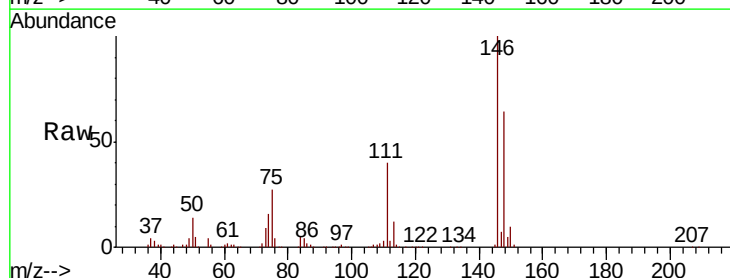
Tgt Ion:146 Resp: 400791

Ion Ratio Lower Upper

146 100

111 39.0 20.3 60.8

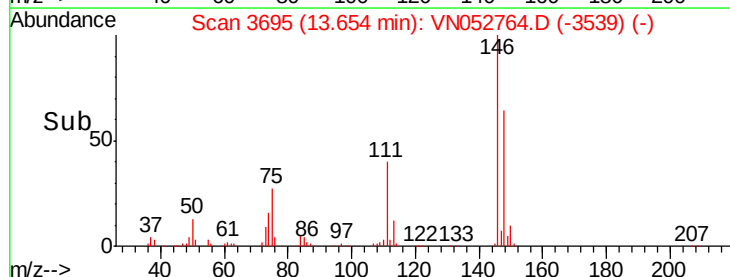
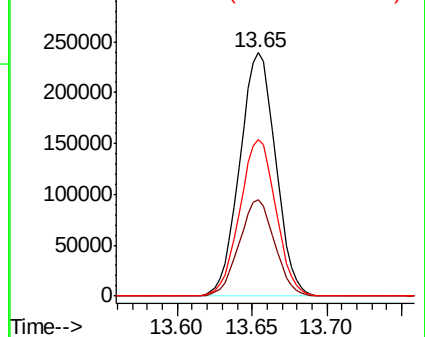
148 64.6 32.1 96.5

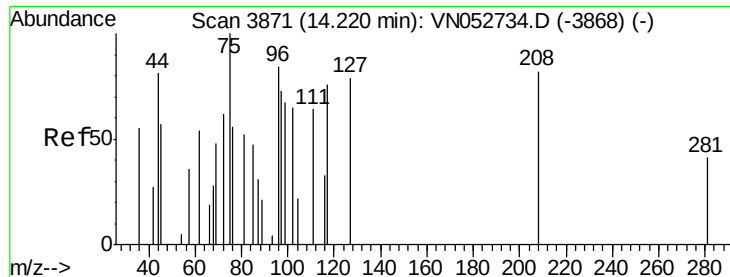


Abundance Ion 146.00 (145.70 to 146.70): V

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: 22.799 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

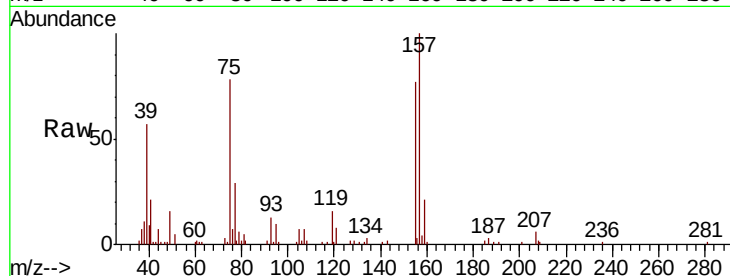
Tot Ion: 75 Resp: 32393

Ion Ratio Lower Upper

75 100

155 94.3 72.2 108.2

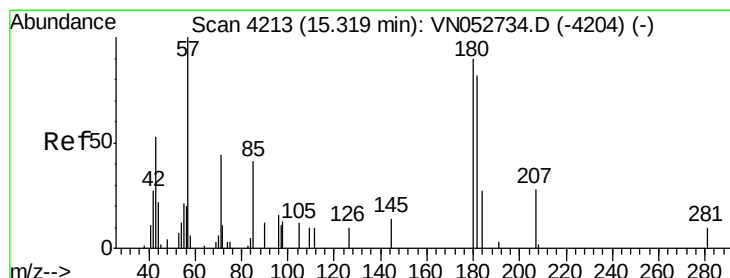
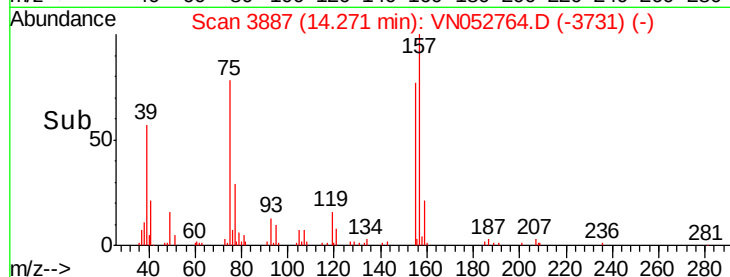
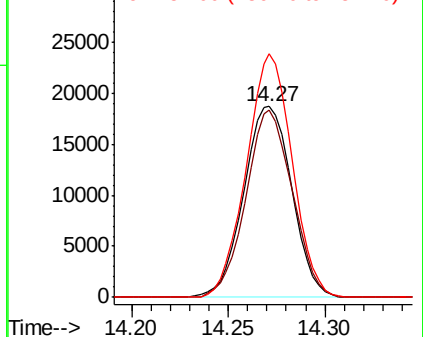
157 121.2 94.2 141.2



Abundance Ion 75.00 (74.70 to 75.70): VN052764.D (-3731) (-)

Ion 155.00 (154.70 to 155.70): VN052764.D (-3731) (-)

Ion 157.00 (156.70 to 157.70): VN052764.D (-3731) (-)



#89

1,2,4-Trichlorobenzene

Concen: 22.714 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052764.D

Acq: 10 Dec 2018 20:04

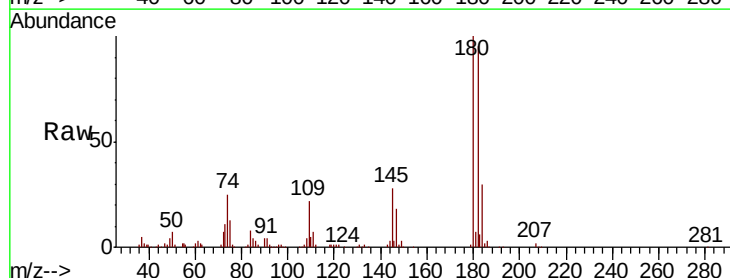
Tgt Ion:180 Resp: 211222

Ion Ratio Lower Upper

180 100

182 94.8 76.6 114.8

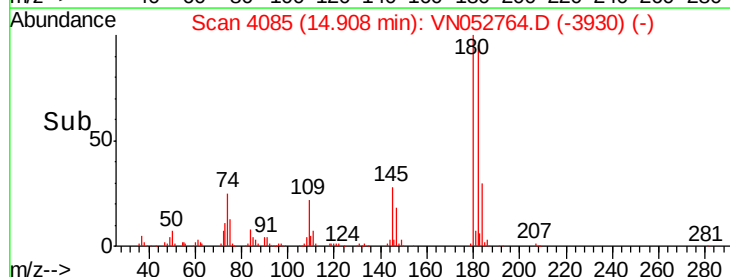
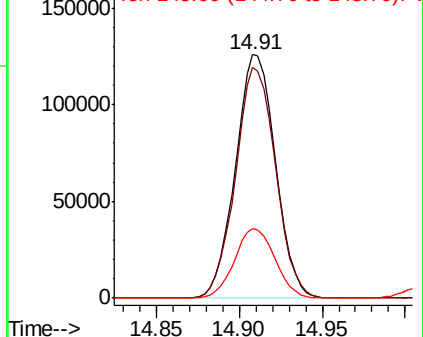
145 29.0 23.6 35.4

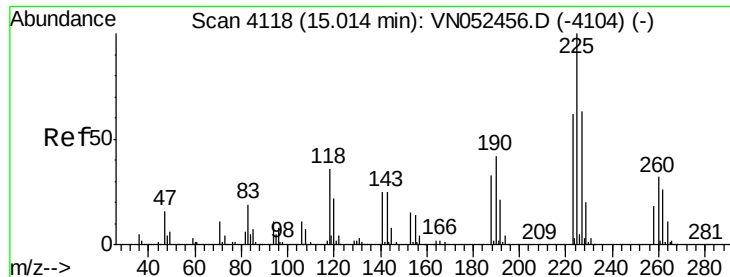


Abundance Ion 180.00 (179.70 to 180.70): VN052764.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN052764.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN052764.D (-3930) (-)

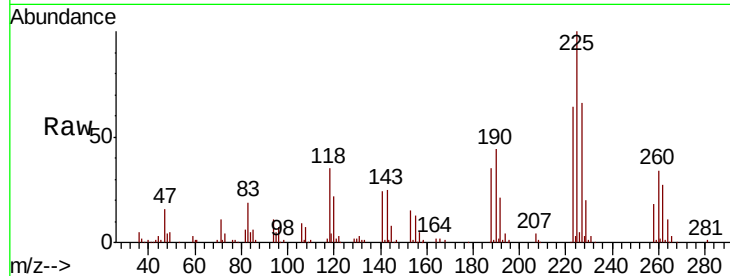




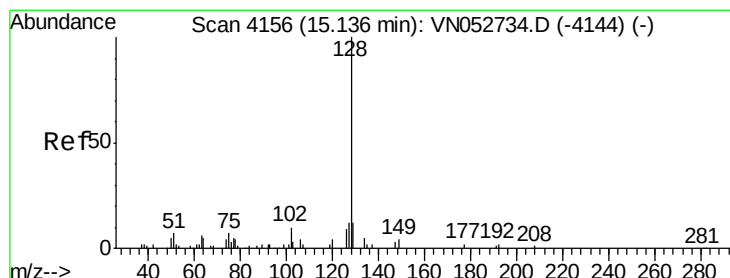
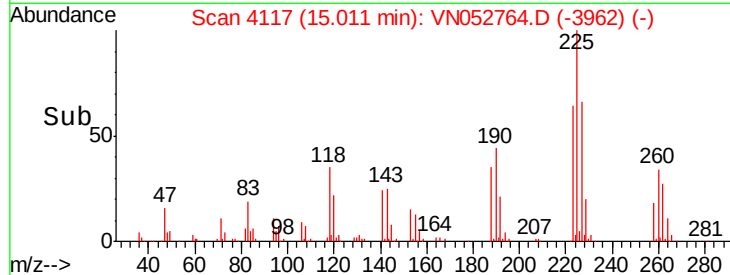
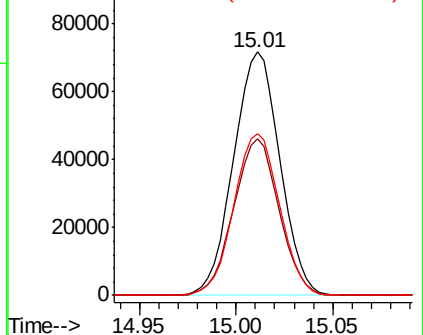
#90
Hexachlorobutadiene
Concen: 19.638 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:225 Resp: 119796
Ion Ratio Lower Upper
225 100
223 63.1 0.0 125.6
227 65.4 0.0 127.8

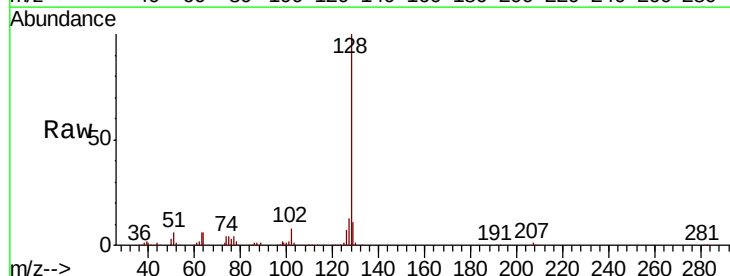


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

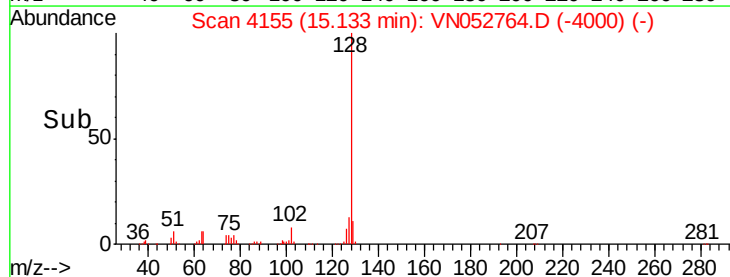
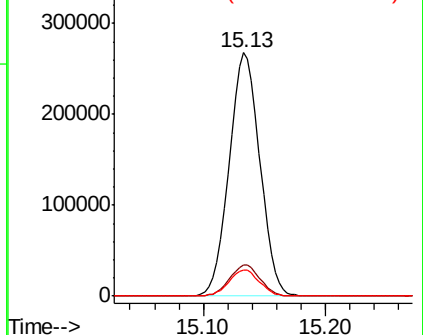


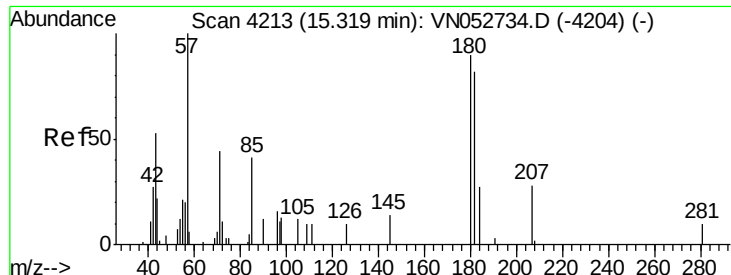
#91
Naphthalene
Concen: 25.034 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052764.D
Acq: 10 Dec 2018 20:04

Tgt Ion:128 Resp: 470108
Ion Ratio Lower Upper
128 100
127 12.8 9.9 14.9
129 10.7 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

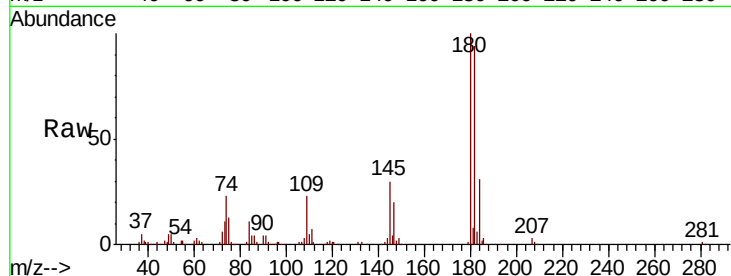




#92
 1,2,3-Trichlorobenzene
 Concen: 22.944 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN052764.D
 Acq: 10 Dec 2018 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	196.2
145	30.1	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

