

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050970.D
 Acq On : 30 Aug 2018 18:20
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 31 01:40:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123895	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	660006	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	559108	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	235741	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	245148	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.09	98	807958	30.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	145028	18.85	ug/l	100
3) Chloromethane	2.06	50	162635	17.90	ug/l	100
4) Vinyl Chloride	2.18	62	164794	18.36	ug/l	99
5) Bromomethane	2.56	94	92189	16.85	ug/l	98
6) Chloroethane	2.70	64	95692	18.07	ug/l	95
7) Trichlorofluoromethane	3.01	101	222534	18.70	ug/l	99
8) Diethyl Ether	3.41	74	75362	17.96	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138449	18.79	ug/l	99
10) 1,1-Dichloroethene	3.74	96	120593	18.01	ug/l	97
11) Methyl Iodide	3.95	142	99226	15.89	ug/l	98
12) Methyl Acetate	4.33	43	164007	21.19	ug/l	99
13) Acrolein	3.61	56	9538	55.64	ug/l #	52
14) Acrylonitrile	5.00	53	235277	89.89	ug/l	97
15) Acetone	3.82	58	61142	91.29	ug/l	87
16) Carbon Disulfide	4.05	76	350096	17.39	ug/l	100
17) Allyl chloride	4.32	41	189012	17.94	ug/l	99
18) Methylene Chloride	4.55	84	146623	18.66	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	128797	18.06	ug/l	99
20) Diisopropyl ether	5.96	45	415610	19.01	ug/l	100
21) 1,1-Dichloroethane	5.85	63	250124	18.66	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	146570	18.19	ug/l	98
23) tert-Butyl Alcohol	4.80	59	49476	88.89	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	337290	18.42	ug/l	100
25) Chloroform	7.37	83	252606	18.88	ug/l	98
26) Cyclohexane	7.66	56	196128	17.66	ug/l #	97
29) 1,1-Dichloropropene	7.80	75	182737	18.49	ug/l	99
30) 2-Butanone	6.84	43	262258	86.28	ug/l	99
31) 2,2-Dichloropropane	6.83	77	192415	20.01	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	212193	18.94	ug/l	99
33) Carbon Tetrachloride	7.78	117	188726	18.70	ug/l	94
34) Benzene	8.05	78	569858	18.64	ug/l	99
35) Methacrylonitrile	7.17	41	63317	19.01	ug/l	96
36) 1,2-Dichloroethane	8.13	62	175590	18.99	ug/l	99
37) Trichloroethene	8.84	130	146540	18.34	ug/l	97
38) Methylcyclohexane	9.08	83	188228	17.74	ug/l	99
39) 1,2-Dichloropropane	9.12	63	152206	19.07	ug/l	98
40) Dibromomethane	9.21	93	90113	18.74	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	190173	18.76	ug/l	99
42) Vinyl Acetate	5.90	43	1259633	89.97	ug/l	99
43) Ethyl Acetate	6.93	43	106211	17.06	ug/l	96
44) Isopropyl Acetate	8.17	43	265498	24.16	ug/l #	90
45) 1,4-Dioxane	9.20	88	28394	347.87	ug/l	93
46) Methyl methacrylate	9.20	41	104390	18.97	ug/l	93
47) n-amyl Acetate	12.07	43	147634	16.71	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	179459	18.06	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	212643	18.63	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	132686	18.99	ug/l	98
51) Ethyl methacrylate	10.43	69	147204	17.22	ug/l	99
52) 1,3-Dichloropropane	10.71	76	213541	18.45	ug/l	100
53) Dibromochloromethane	10.90	129	144685	18.21	ug/l	98
54) 1,2-Dibromoethane	11.01	107	123481	17.87	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	312232	87.77	ug/l	99
56) Bromoform	12.13	173	97947	17.33	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	587799	91.89	ug/l	100
59) 2-Hexanone	10.75	43	374831	89.64	ug/l	99
61) Tetrachloroethene	10.63	164	132233	18.98	ug/l	99
62) Toluene	10.16	91	602968	19.33	ug/l	98
64) Chlorobenzene	11.44	112	359861	18.61	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	142303	19.50	ug/l	99
66) Ethyl Benzene	11.51	91	588945	18.23	ug/l	98
67) m/p-Xylenes	11.62	106	465935	37.48	ug/l	99
68) o-Xylene	11.95	106	219549	18.48	ug/l	99
69) Styrene	11.97	104	349886	18.53	ug/l	99
70) Isopropylbenzene	12.25	105	587564	18.62	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	163329	19.11	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	185785	25.20	ug/l	97
73) Bromobenzene	12.53	156	152844	18.40	ug/l	99
74) n-propylbenzene	12.59	91	650303	18.22	ug/l	99
75) 2-Chlorotoluene	12.68	91	406019	18.73	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	477103	18.50	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	37453	17.83	ug/l	97
78) 4-Chlorotoluene	12.77	91	389091	18.23	ug/l	100
79) tert-butylbenzene	12.99	119	415262	18.54	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	482158	18.75	ug/l	99
81) sec-Butylbenzene	13.17	105	536673	18.31	ug/l	100
82) p-Isopropyltoluene	13.29	119	456045	18.03	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	253324	18.04	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	238164	17.90	ug/l	99
85) n-Butylbenzene	13.62	91	324338	16.80	ug/l	100
86) Hexachloroethane	13.88	117	91187	18.78	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	253336	18.33	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21993	18.40	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	93859	15.26	ug/l	100
90) Hexachlorobutadiene	15.01	225	79116	18.93	ug/l	98
91) Naphthalene	15.14	128	198487	18.90	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	101418	16.43	ug/l	99

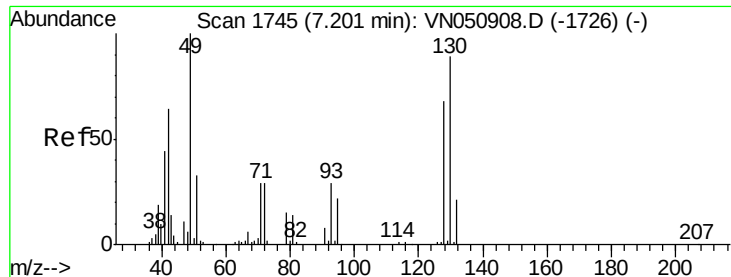
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

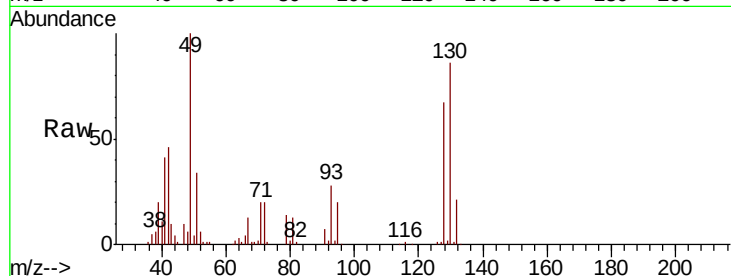
Tot Ion:128 Resp: 123895

Ion Ratio Lower Upper

128 100

49 148.2 0.0 380.3

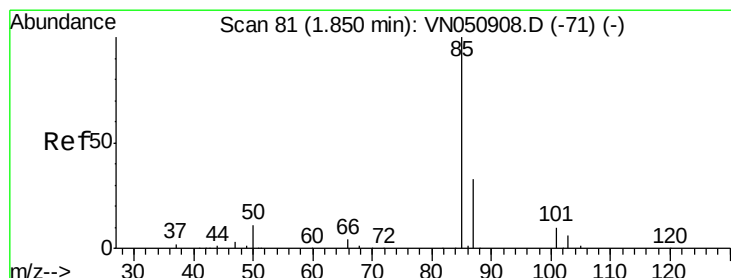
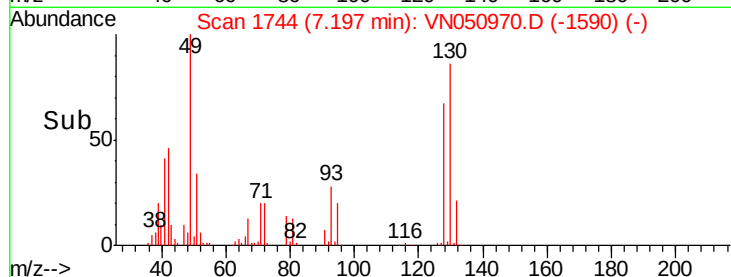
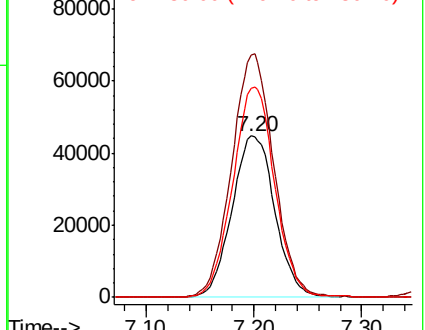
130 127.6 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 18.85 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050970.D

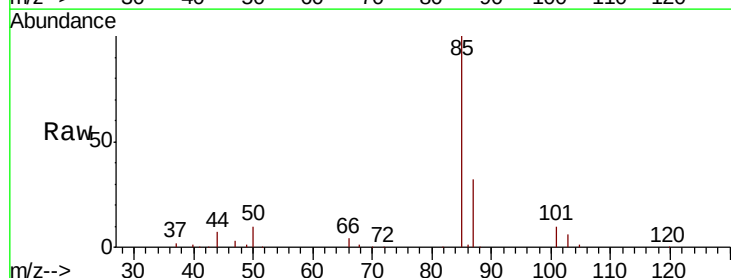
Acq: 30 Aug 2018 18:20

Tgt Ion: 85 Resp: 145028

Ion Ratio Lower Upper

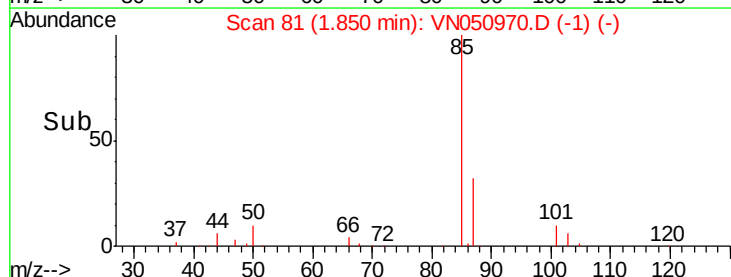
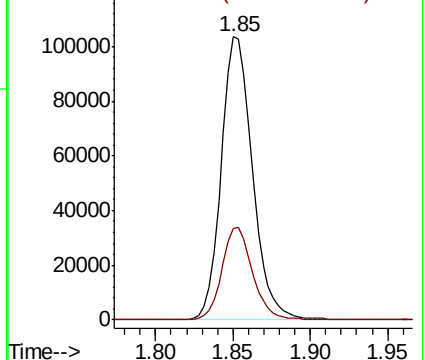
85 100

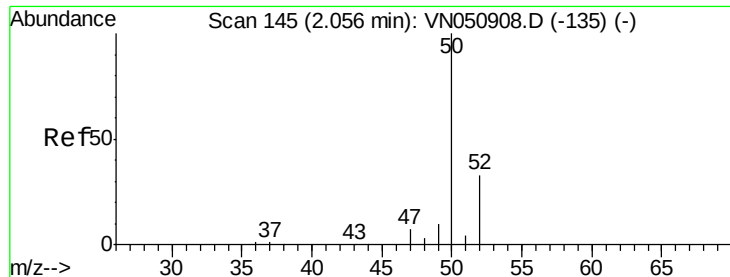
87 32.5 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 17.90 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

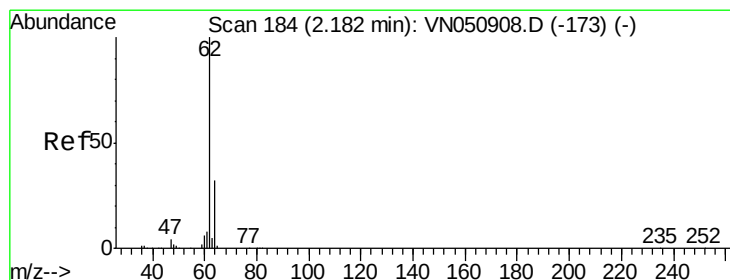
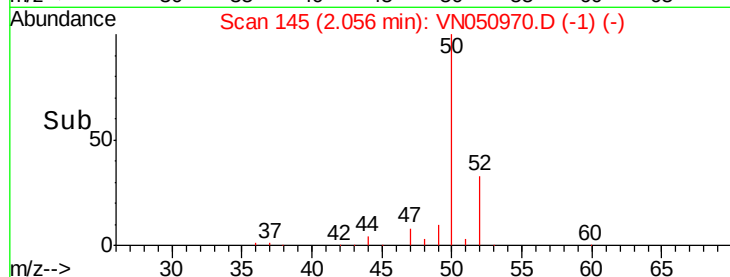
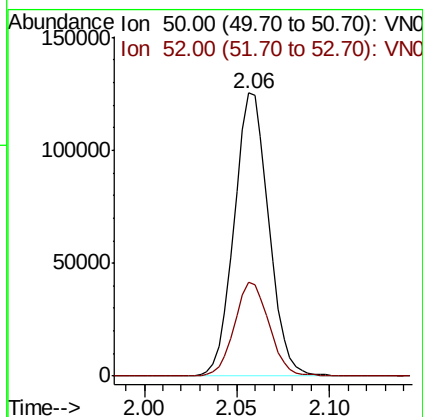
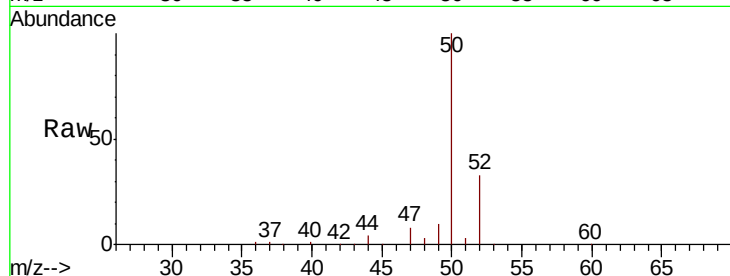
VSTDCCC020

Tot Ion: 50 Resp: 162635

Ion Ratio Lower Upper

50 100

52 33.0 26.2 39.4



#4

Vinyl Chloride

Concen: 18.36 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050970.D

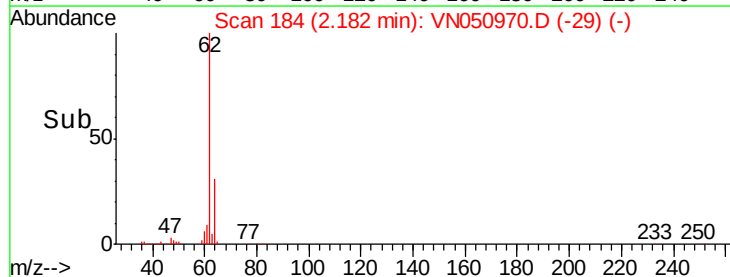
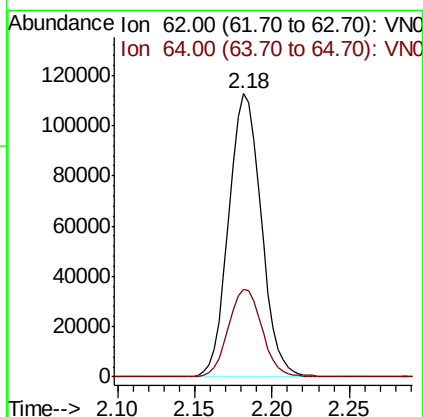
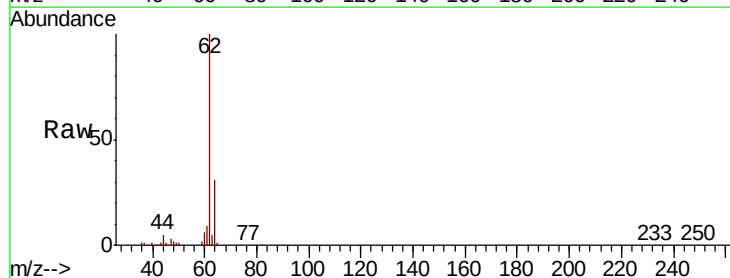
Acq: 30 Aug 2018 18:20

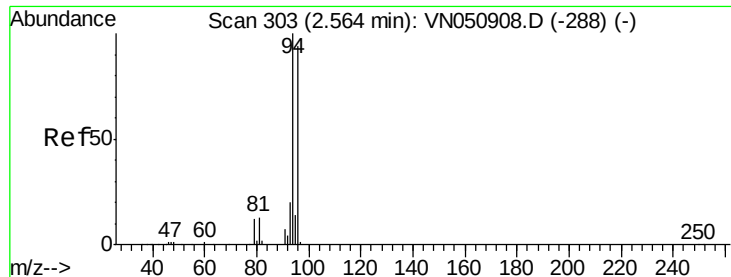
Tgt Ion: 62 Resp: 164794

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 16.85 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampled :

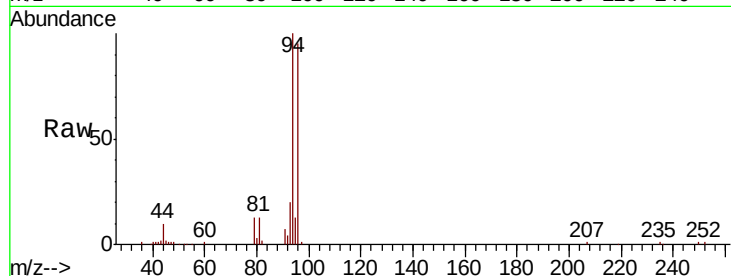
VSTDCCC020

Tot Ion: 94 Resp: 92189

Ion Ratio Lower Upper

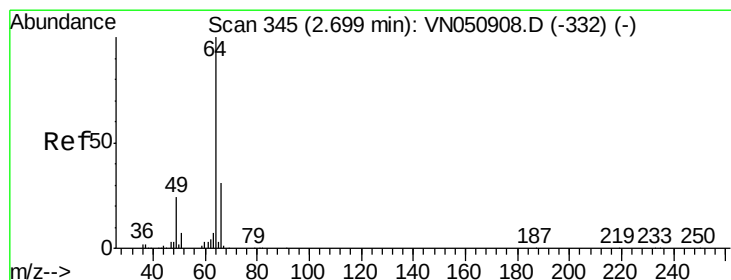
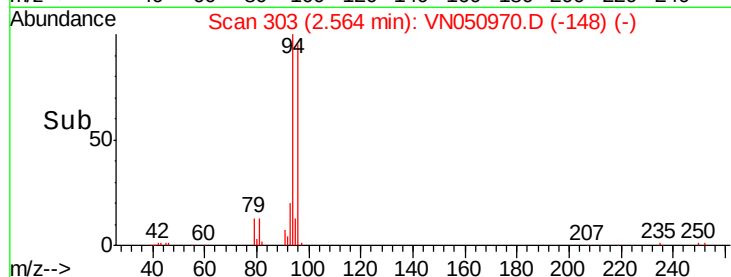
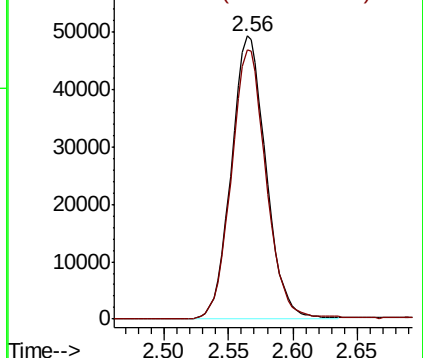
94 100

96 95.1 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.07 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050970.D

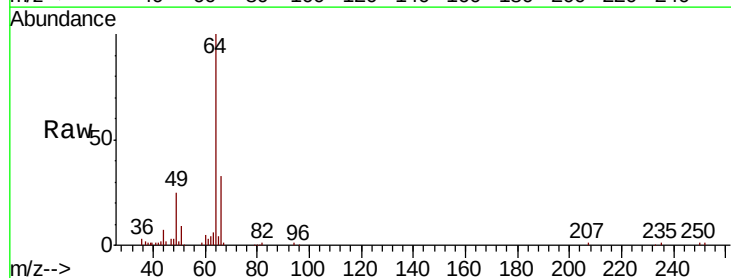
Acq: 30 Aug 2018 18:20

Tgt Ion: 64 Resp: 95692

Ion Ratio Lower Upper

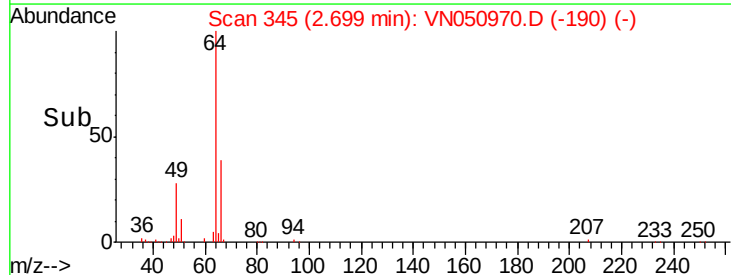
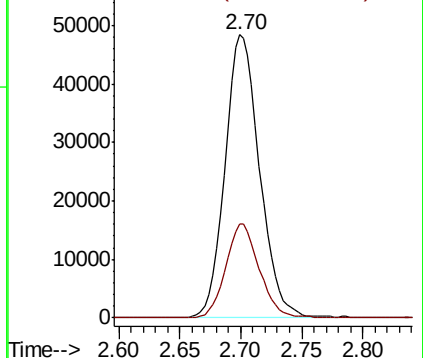
64 100

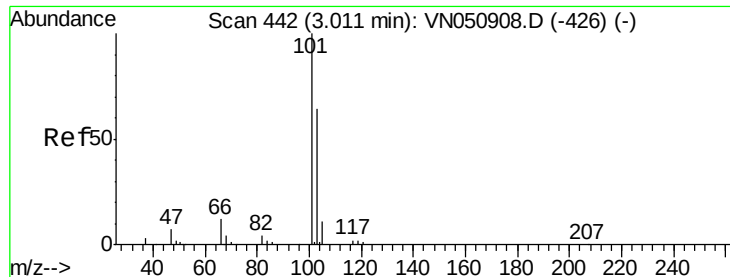
66 33.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



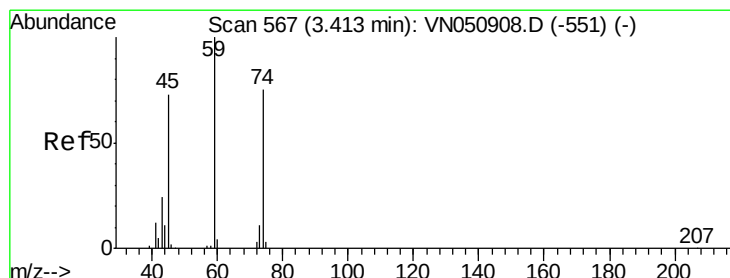
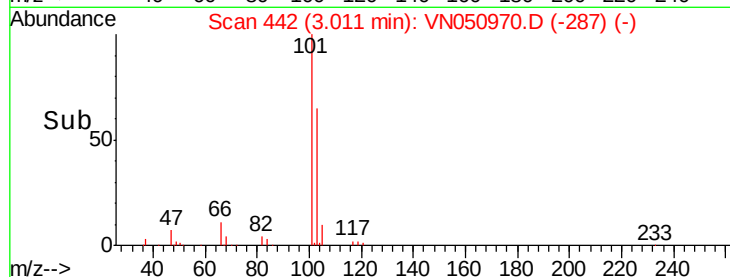
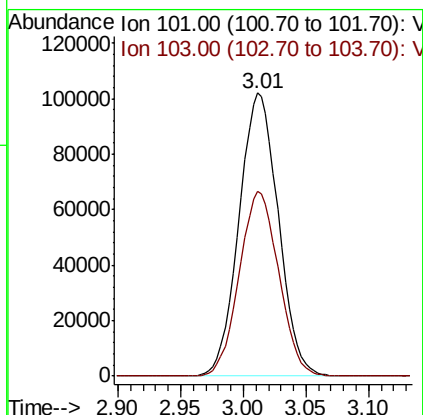
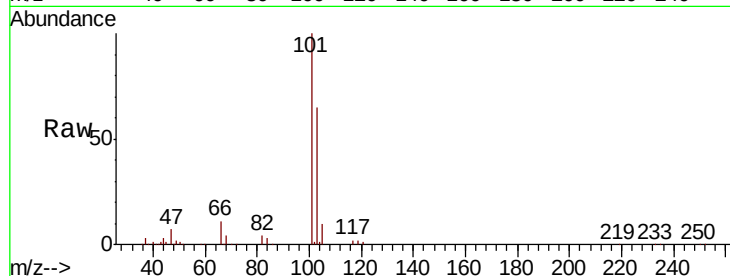


#7

Trichlorofluoromethane
 Concen: 18.70 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
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 VSTDCCC020

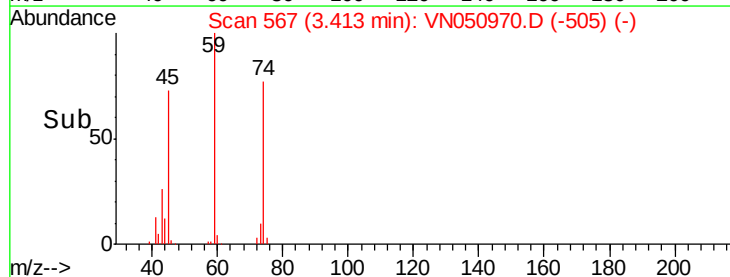
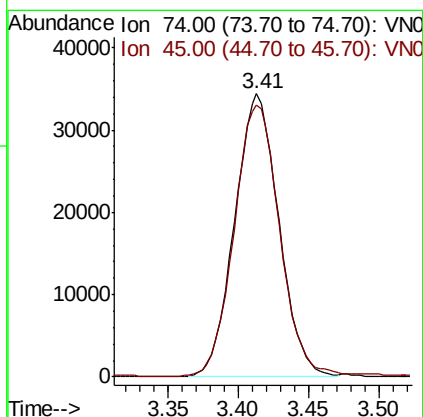
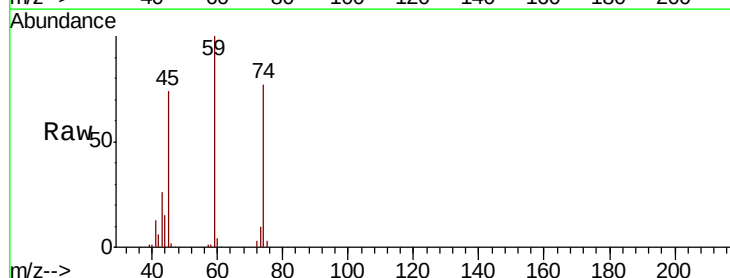
Tot Ion:101 Resp: 222534
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.3 76.9

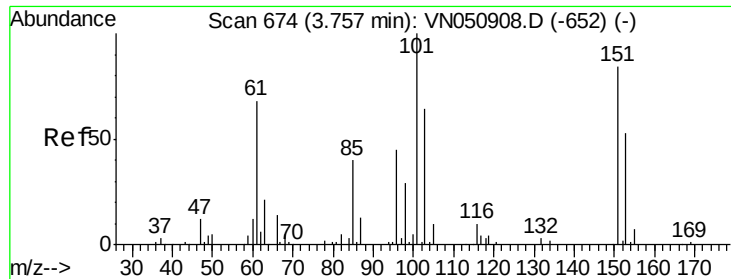


#8

Diethyl Ether
 Concen: 17.96 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion: 74 Resp: 75362
 Ion Ratio Lower Upper
 74 100
 45 99.4 19.7 177.1

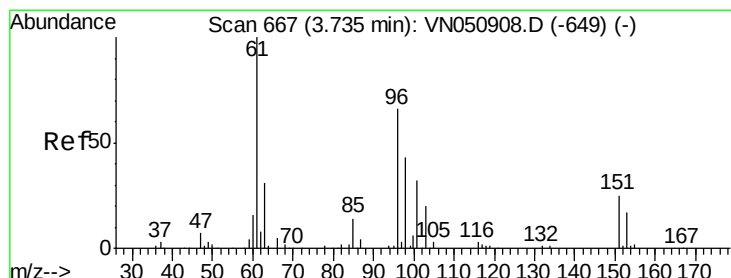
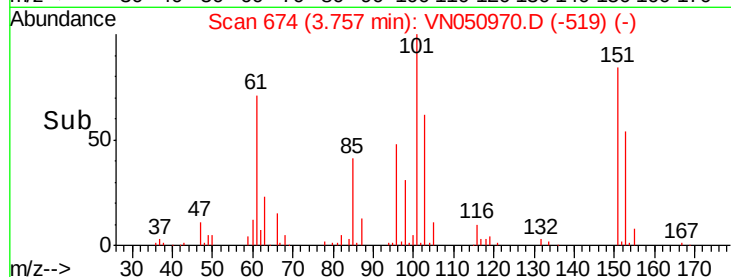
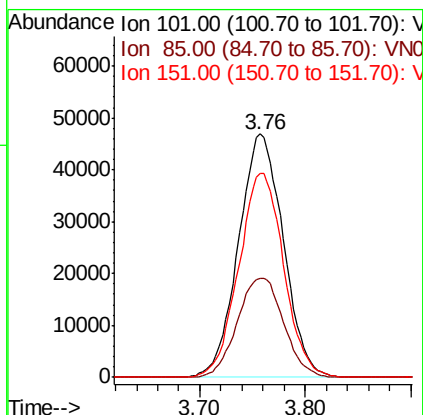
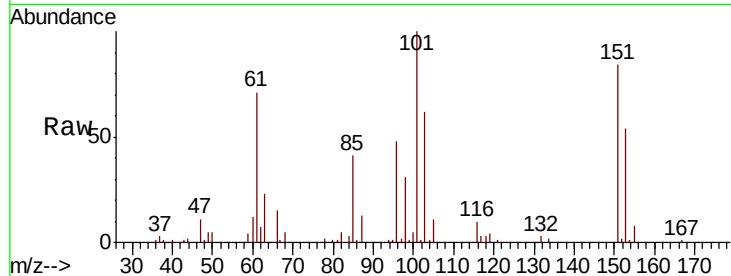




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.79 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

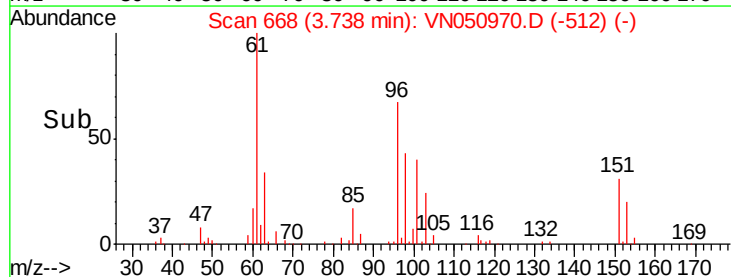
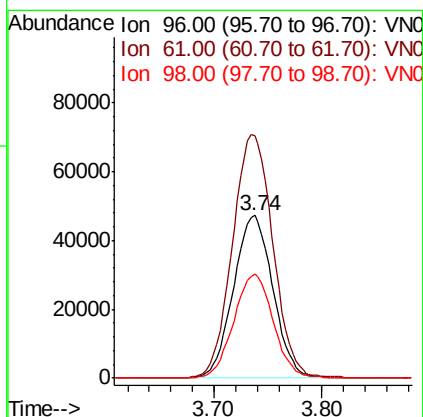
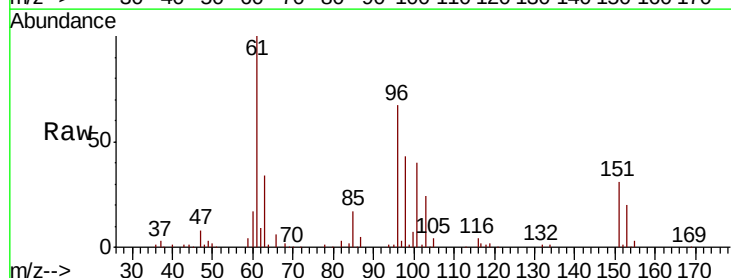
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

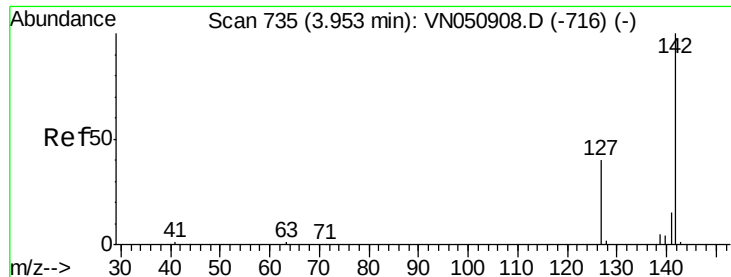
Tot Ion:101 Resp: 138449
 Ion Ratio Lower Upper
 101 100
 85 42.1 0.0 83.6
 151 84.1 0.0 167.0



#10
 1,1-Dichloroethene
 Concen: 18.01 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion: 96 Resp: 120593
 Ion Ratio Lower Upper
 96 100
 61 148.4 121.8 182.8
 98 63.7 52.3 78.5

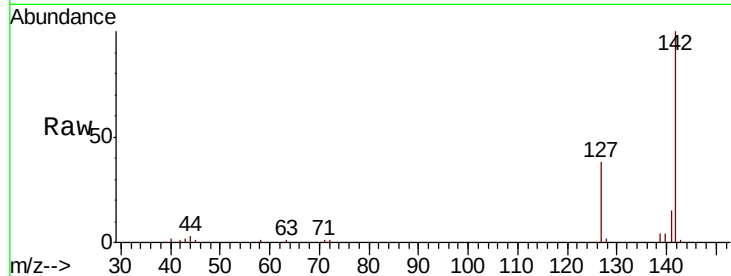




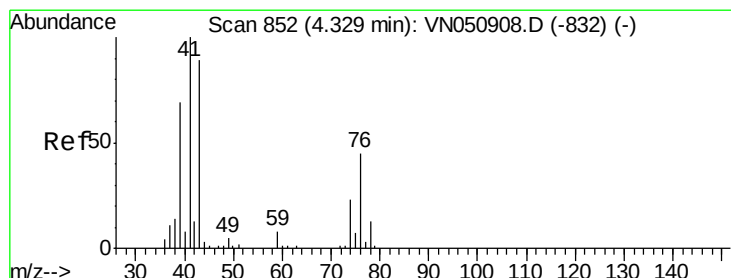
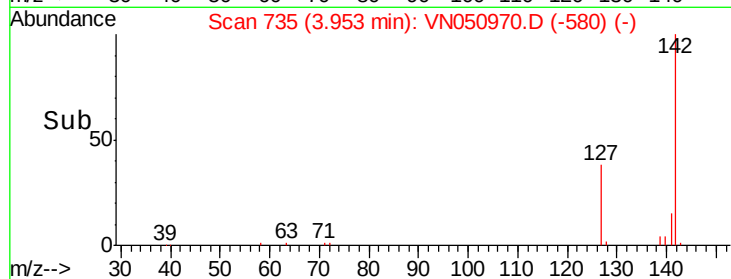
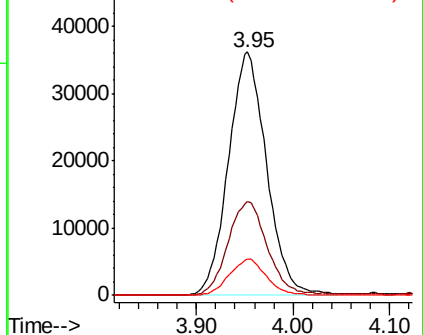
#11
Methvl Iodide
Concen: 15.89 ug/l
RT: 3.95 min Scan# 735
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 99226
Ion Ratio Lower Upper
142 100
127 38.2 19.7 59.1
141 15.2 7.3 22.0

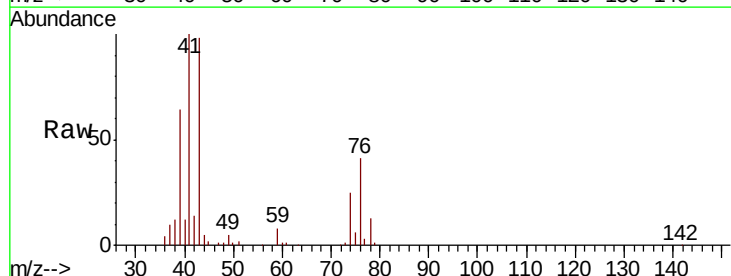


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

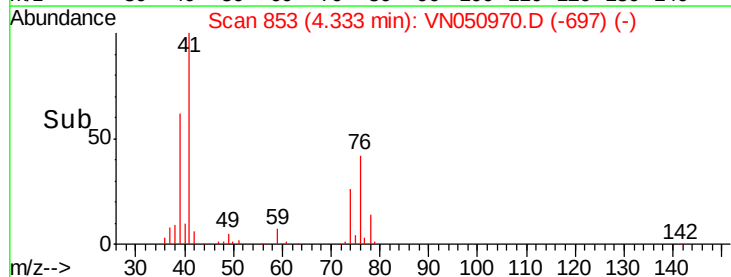
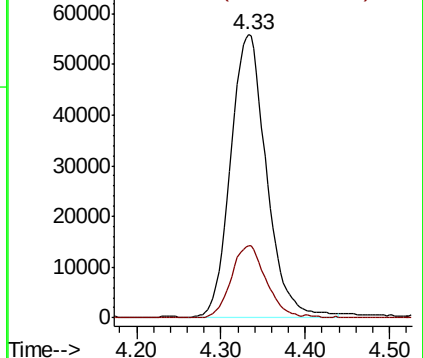


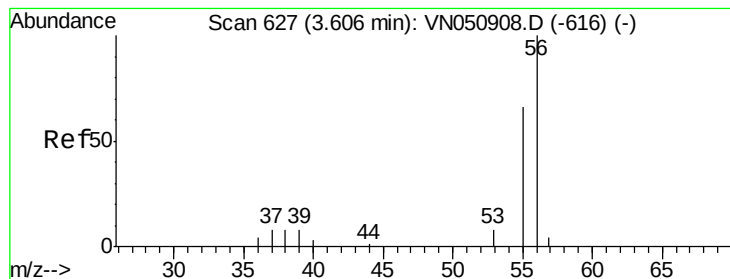
#12
Methyl Acetate
Concen: 21.19 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 43 Resp: 164007
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0



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





#13

Acrolein

Concen: 55.64 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

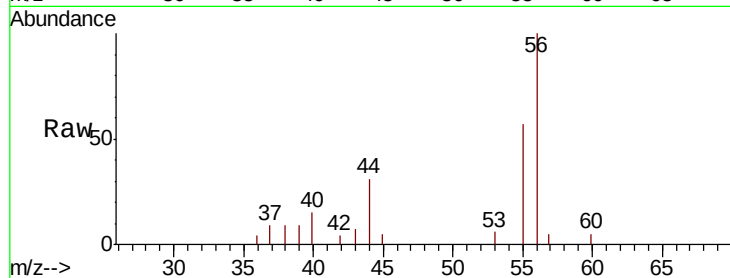
VSTDCCC020

Tot Ion: 56 Resp: 9538

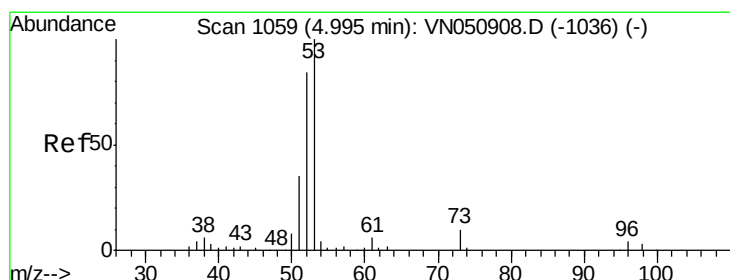
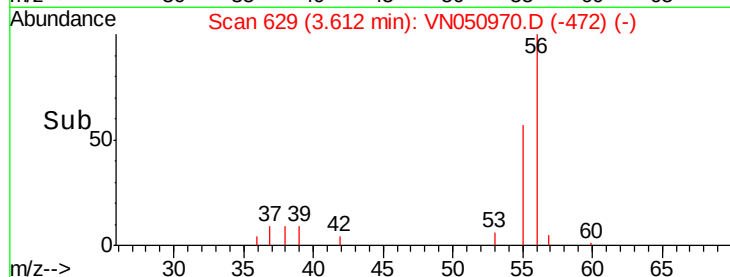
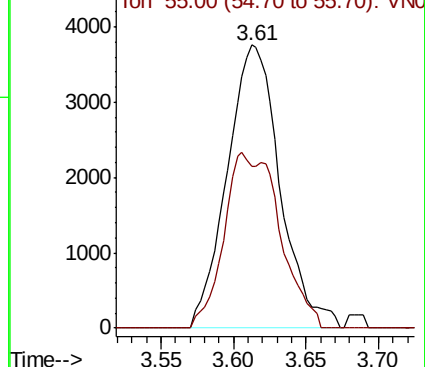
Ion Ratio Lower Upper

56 100

55 33.0 59.1 88.7#



Abundance Ion 56.00 (55.70 to 56.70): VN050970.D (-472) (-)



#14

Acrylonitrile

Concen: 89.89 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

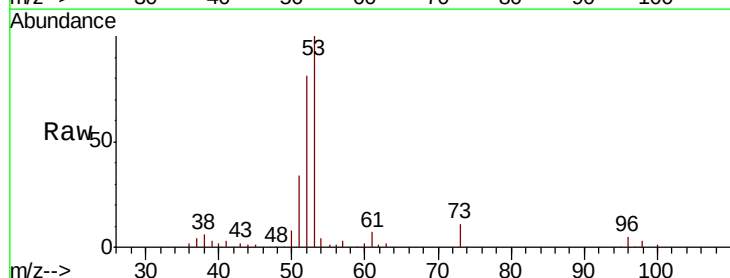
Tgt Ion: 53 Resp: 235277

Ion Ratio Lower Upper

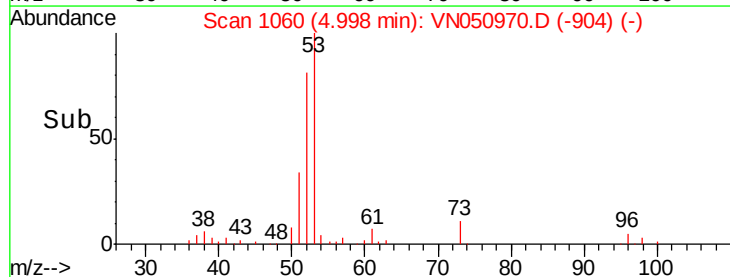
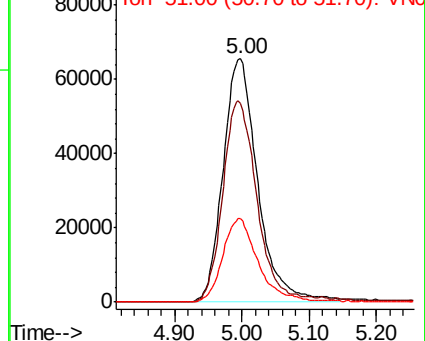
53 100

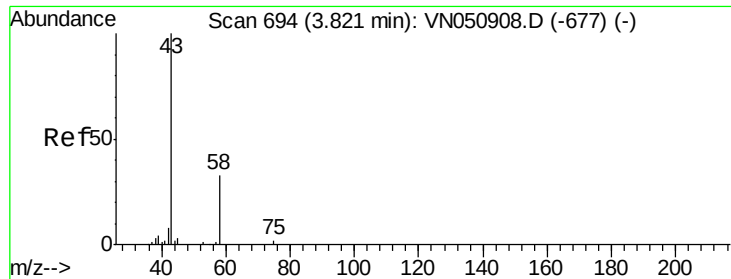
52 81.3 42.2 126.6

51 35.0 17.7 53.1



Abundance Ion 53.00 (52.70 to 53.70): VN050970.D (-904) (-)





#15

Acetone

Concen: 91.29 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

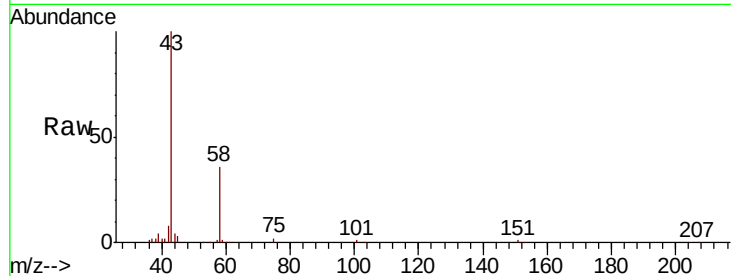
VSTDCCC020

Tot Ion: 58 Resp: 61142

Ion Ratio Lower Upper

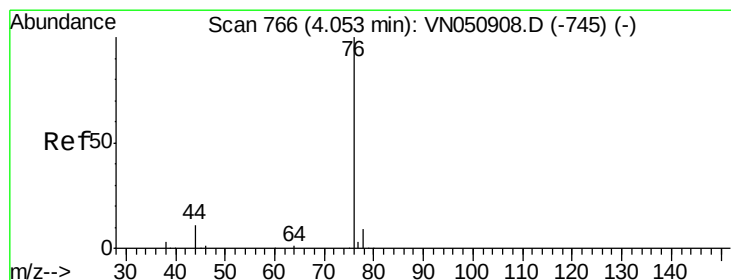
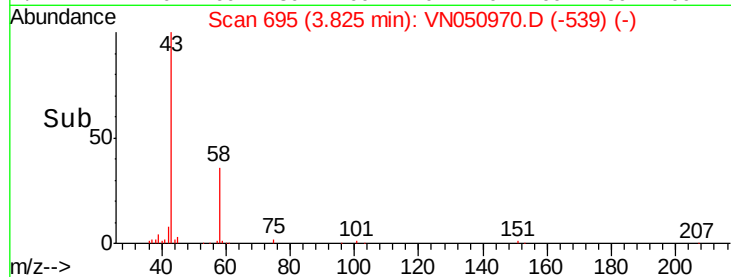
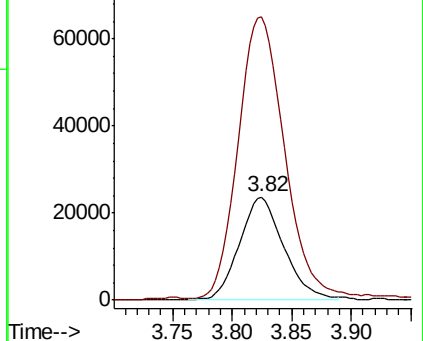
58 100

43 272.8 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN050970.D (-539) (-)

Ion 43.00 (42.70 to 43.70): VN050970.D (-539) (-)



#16

Carbon Disulfide

Concen: 17.39 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050970.D

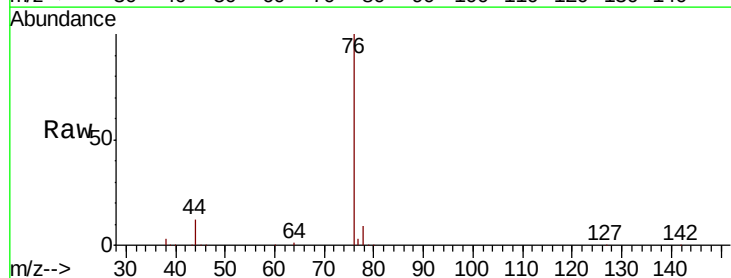
Acq: 30 Aug 2018 18:20

Tgt Ion: 76 Resp: 350096

Ion Ratio Lower Upper

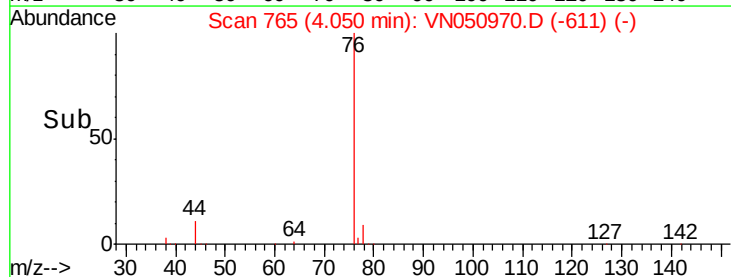
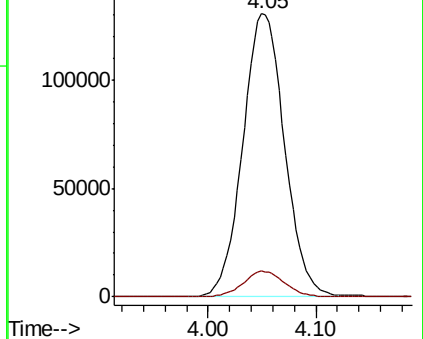
76 100

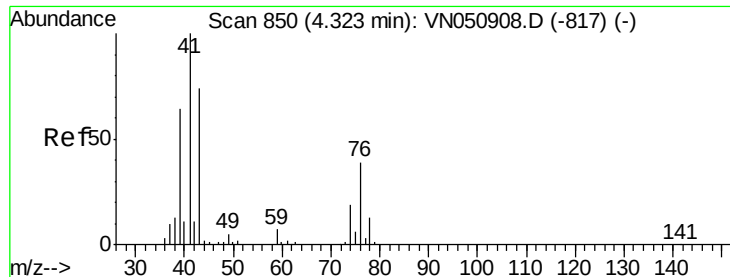
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050970.D (-611) (-)

Ion 78.00 (77.70 to 78.70): VN050970.D (-611) (-)

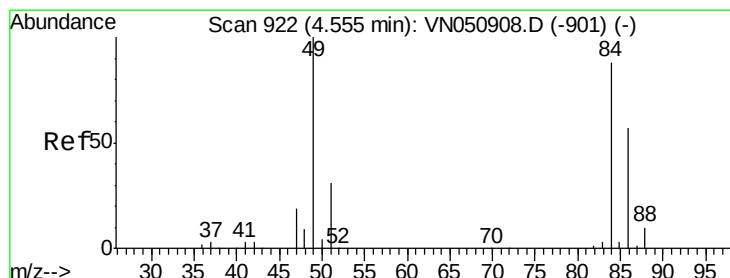
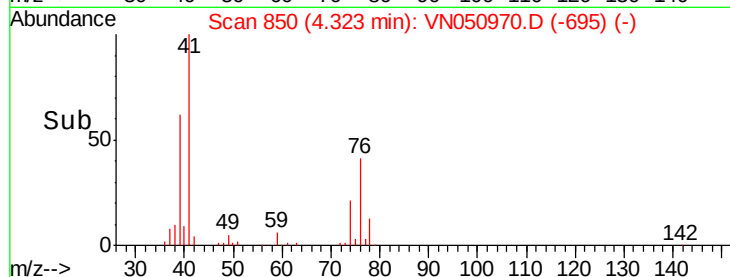
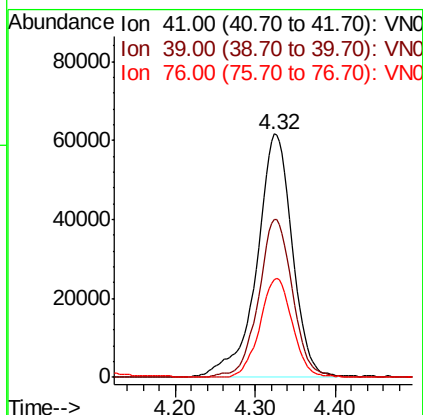
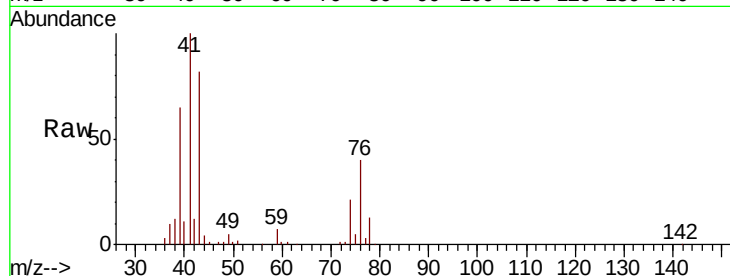




#17
Allvl chloride
Concen: 17.94 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

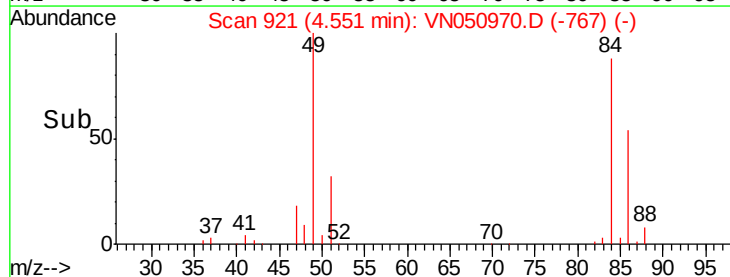
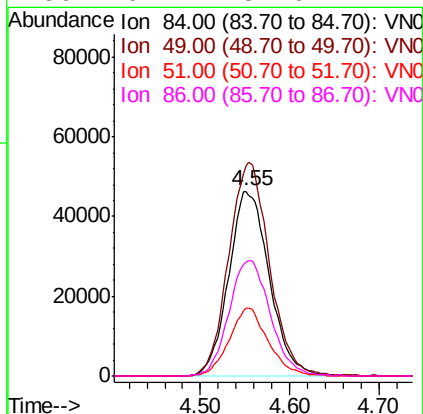
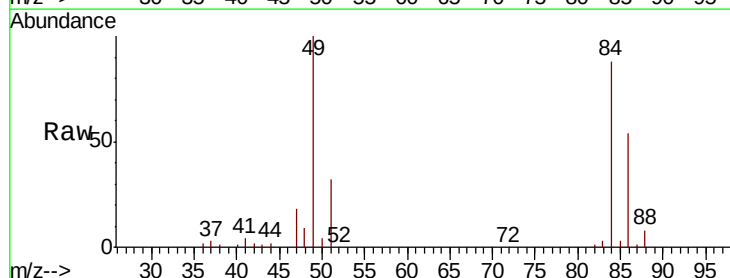
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

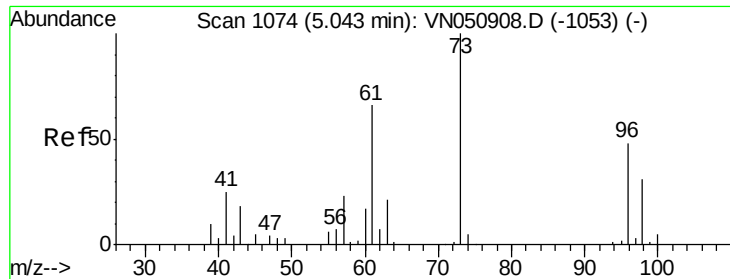
Tot Ion: 41 Resp: 189012
Ion Ratio Lower Upper
41 100
39 64.9 32.2 96.6
76 40.0 19.6 58.7



#18
Methylene Chloride
Concen: 18.66 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 84 Resp: 146623
Ion Ratio Lower Upper
84 100
49 113.3 90.6 135.8
51 36.8 28.4 42.6
86 61.7 51.6 77.4

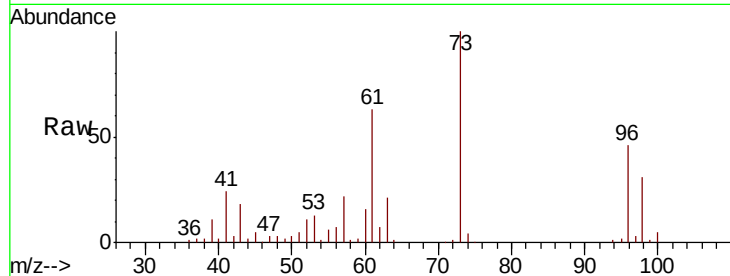




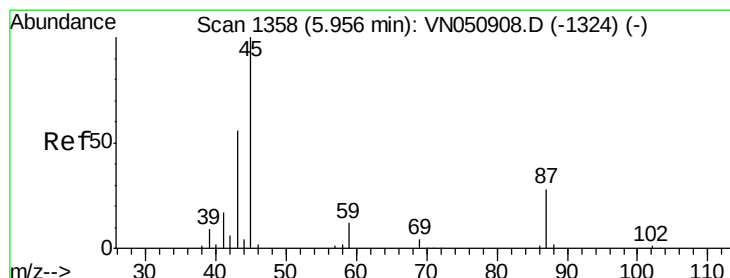
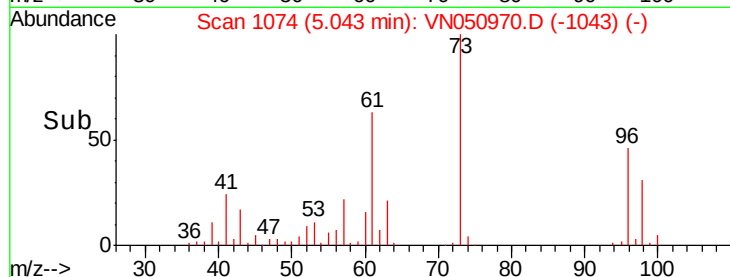
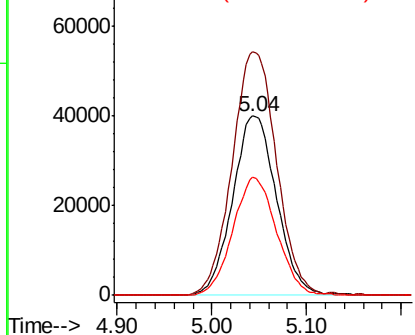
#19
trans-1,2-Dichloroethene
Concen: 18.06 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 128797
Ion Ratio Lower Upper
96 100
61 135.3 109.5 164.3
98 66.2 51.9 77.9

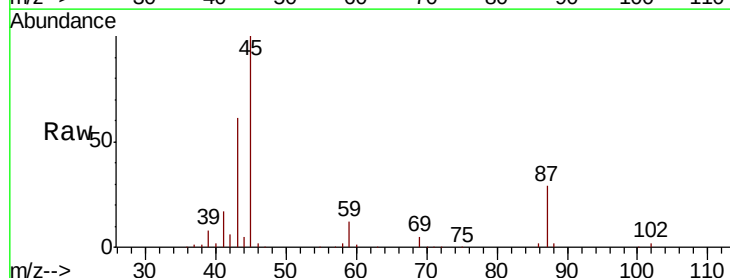


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

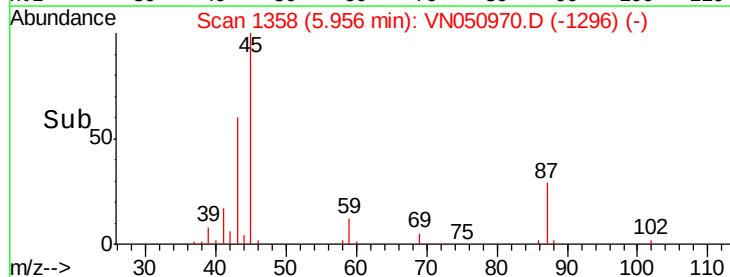
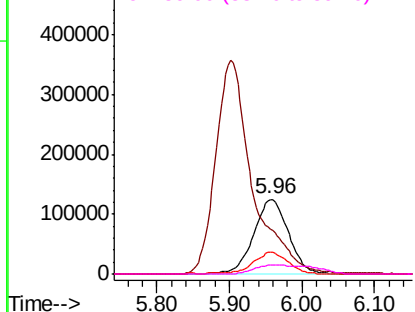


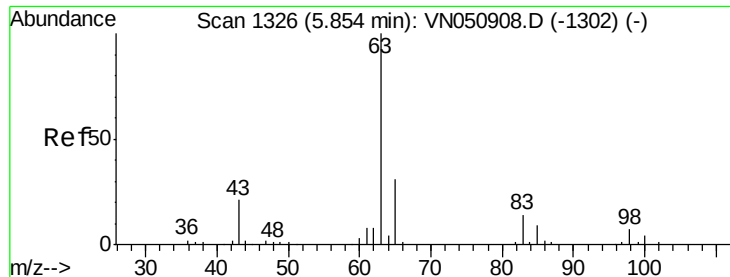
#20
Diisopropyl ether
Concen: 19.01 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 45 Resp: 415610
Ion Ratio Lower Upper
45 100
43 58.7 47.0 70.6
87 28.8 22.8 34.2
59 11.9 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

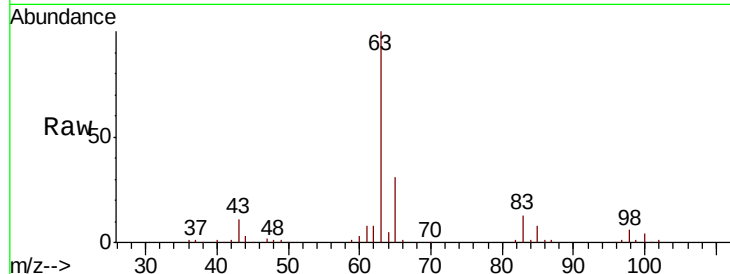




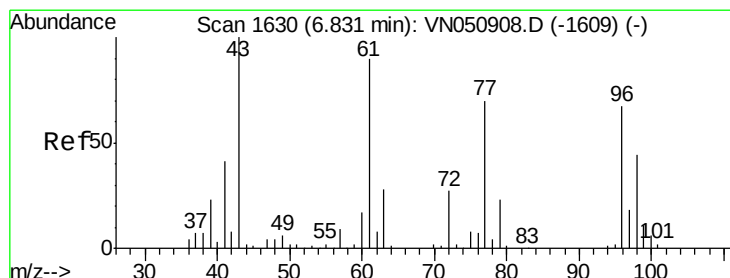
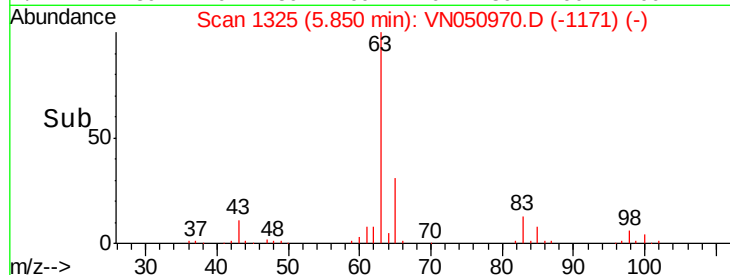
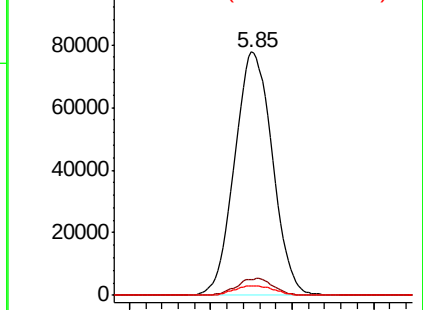
#21
 1,1-Dichloroethane
 Concen: 18.66 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 250124
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.1 2.0 6.0

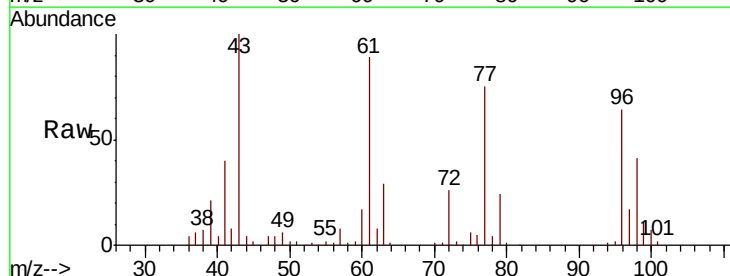


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

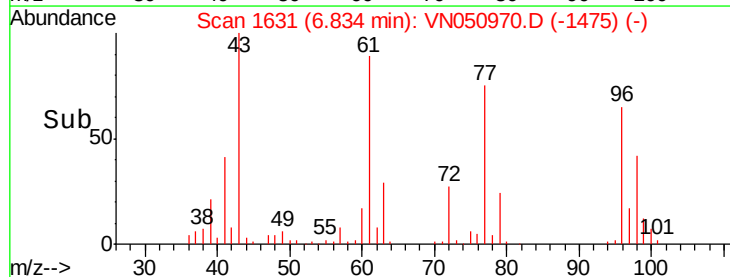
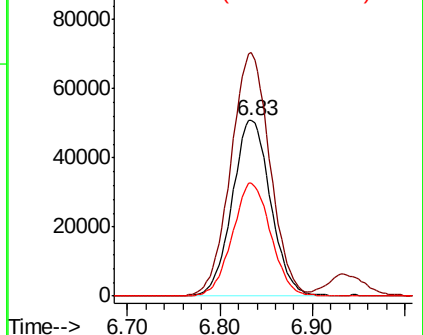


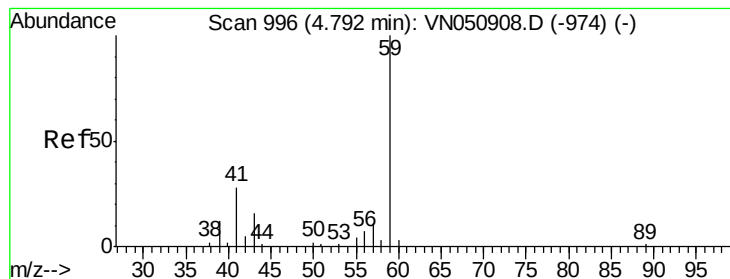
#22
 cis-1,2-Dichloroethene
 Concen: 18.19 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion: 96 Resp: 146570
 Ion Ratio Lower Upper
 96 100
 61 141.0 110.0 165.0
 98 64.3 51.7 77.5



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





#23

tert-Butyl Alcohol

Concen: 88.89 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

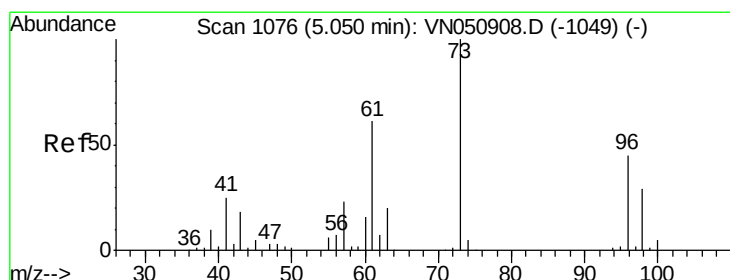
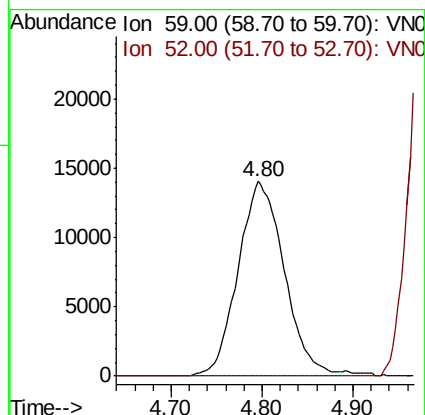
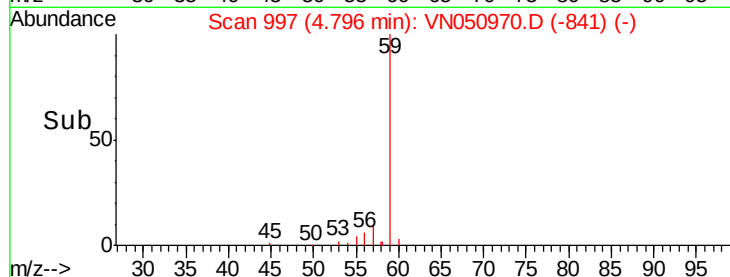
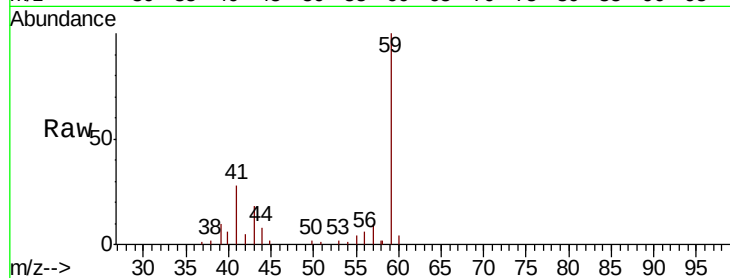
VSTDCCC020

Tot Ion: 59 Resp: 49476

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 18.42 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN050970.D

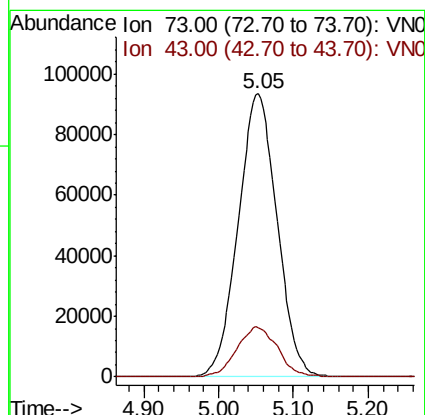
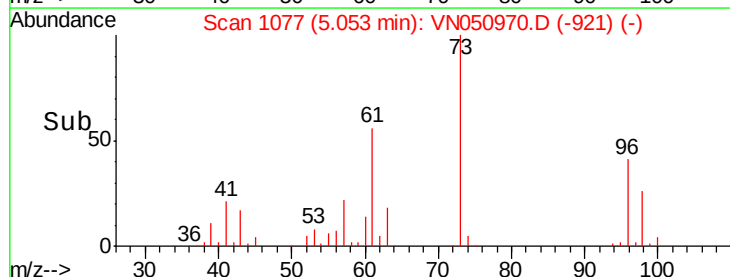
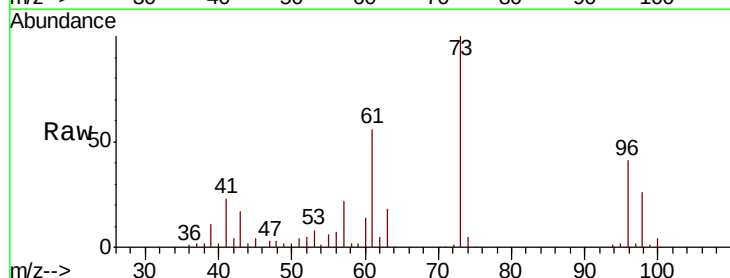
Acq: 30 Aug 2018 18:20

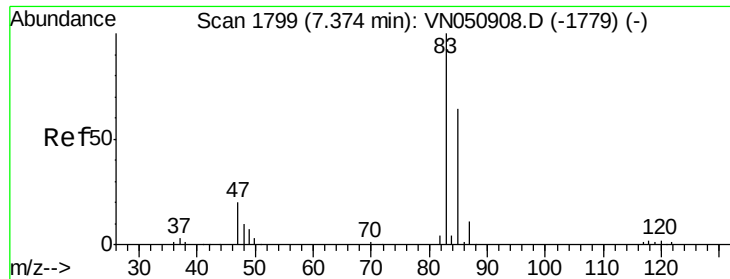
Tgt Ion: 73 Resp: 337290

Ion Ratio Lower Upper

73 100

43 17.9 14.4 21.6

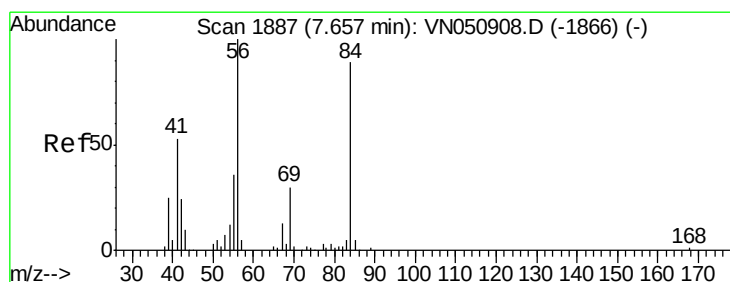
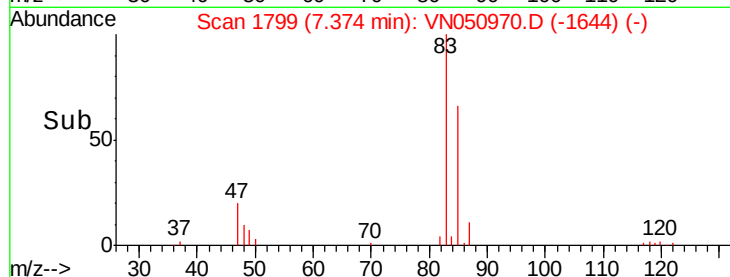
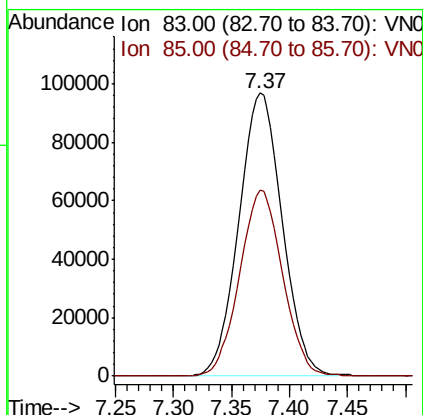
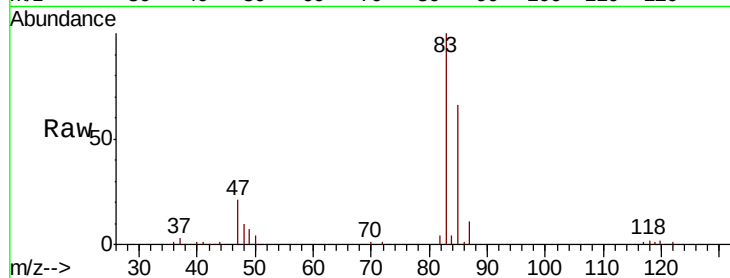




#25
Chloroform
Concen: 18.88 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

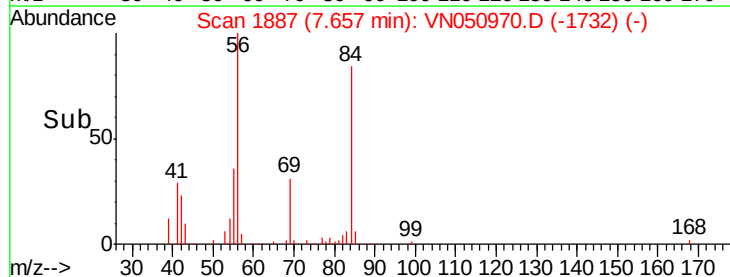
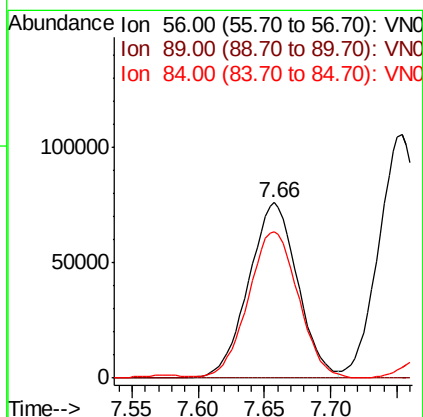
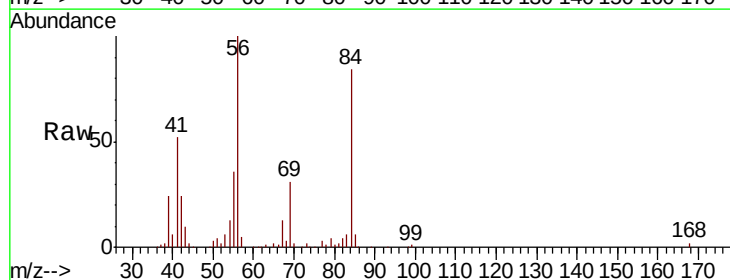
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

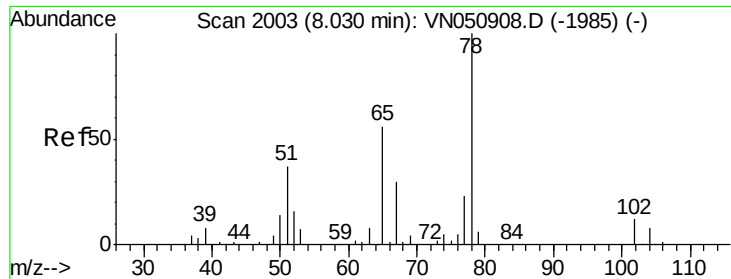
Tot Ion: 83 Resp: 252606
Ion Ratio Lower Upper
83 100
85 66.0 51.4 77.0



#26
Cyclohexane
Concen: 17.66 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 56 Resp: 196128
Ion Ratio Lower Upper
56 100
89 0.1 0.4 0.6#
84 85.6 70.4 105.6

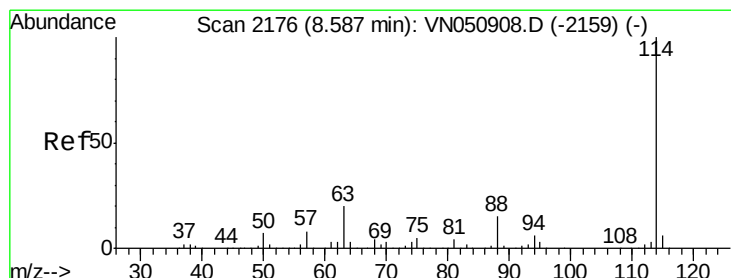
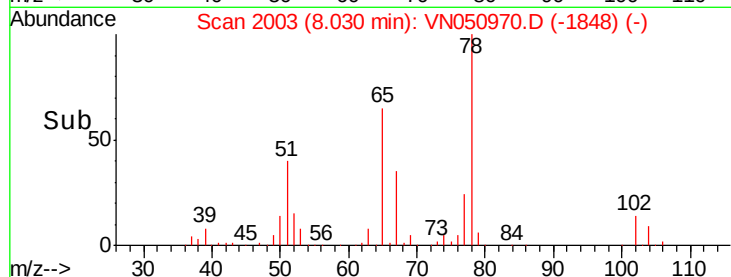
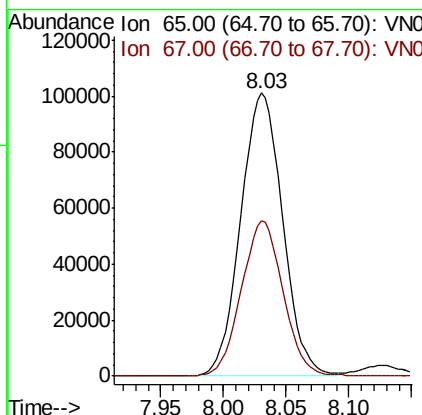
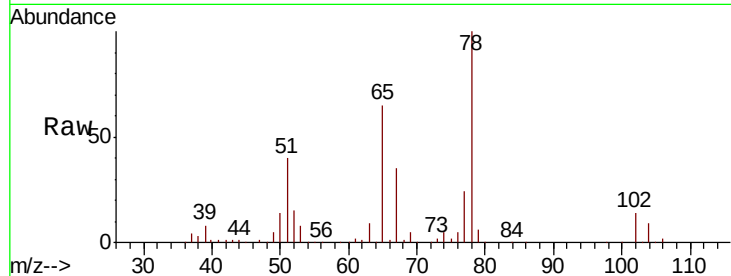




#27
 1,2-Dichloroethane-d4
 Concen: 29.82 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

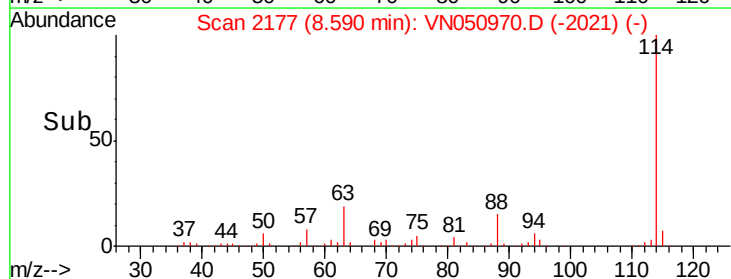
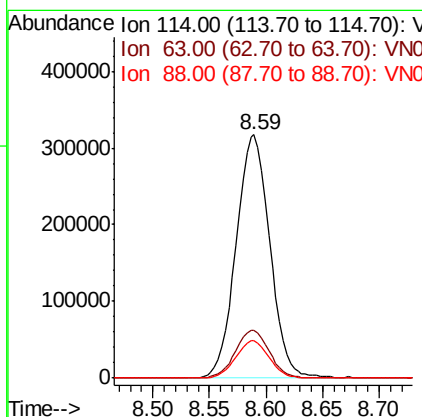
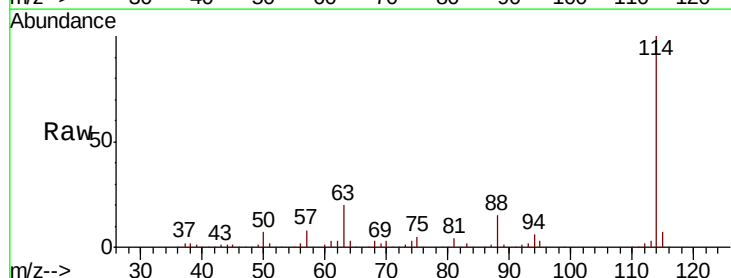
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

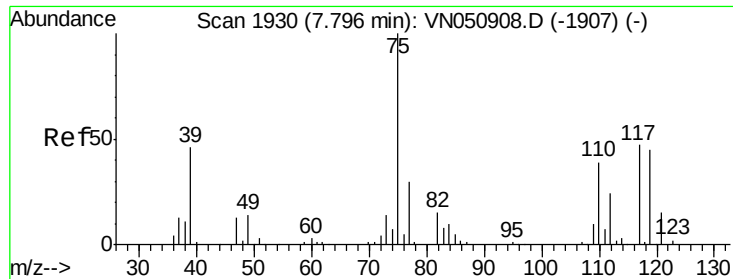
Tot Ion: 65 Resp: 235741
 Ion Ratio Lower Upper
 65 100
 67 54.6 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion:114 Resp: 660006
 Ion Ratio Lower Upper
 114 100
 63 19.8 15.6 23.4
 88 15.2 12.2 18.4

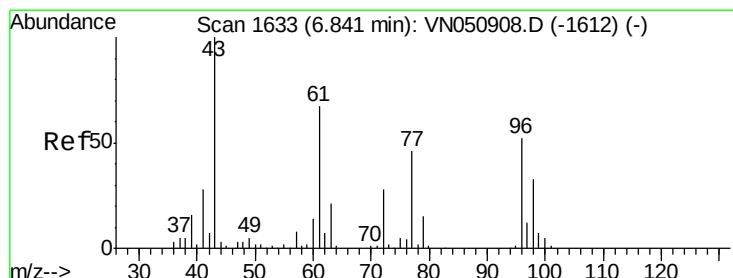
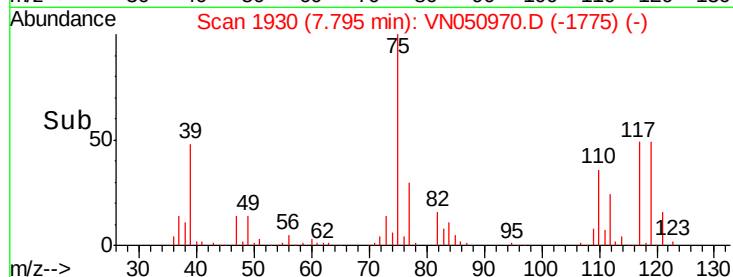
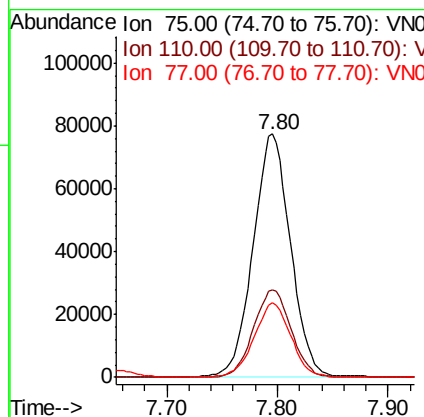
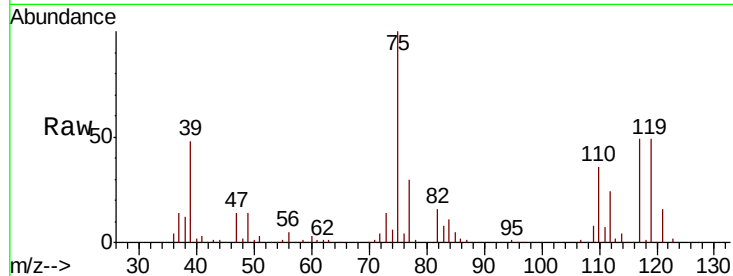




#29
 1,1-Dichloropropene
 Concen: 18.49 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

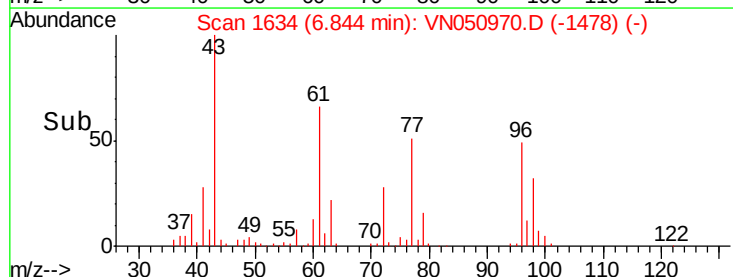
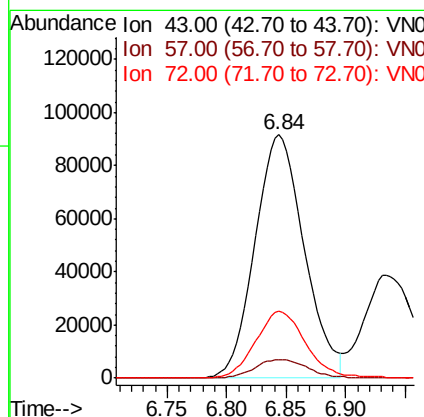
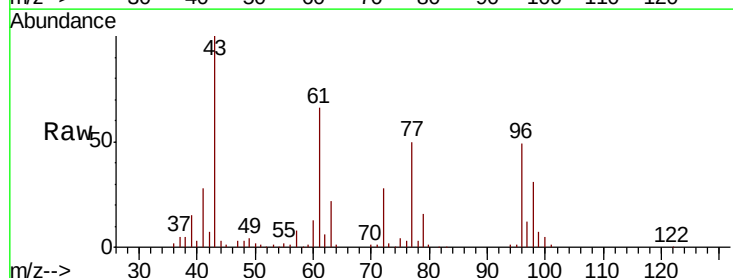
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

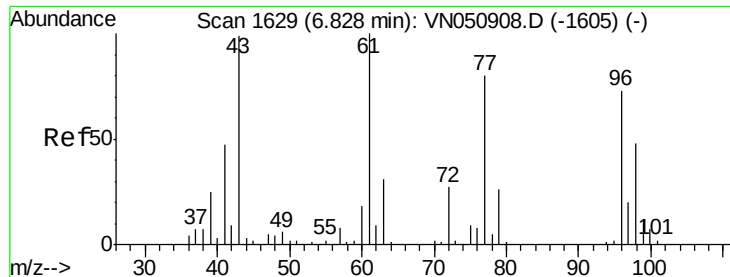
Tot Ion	75	Resp	182737
Ion Ratio	Lower	Upper	
75	100		
110	36.2	0.0	75.0
77	30.2	0.0	60.6



#30
 2-Butanone
 Concen: 86.28 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	43	Resp	262258
Ion Ratio	Lower	Upper	
43	100		
57	8.1	6.9	10.3
72	28.2	22.8	34.2





#31

2,2-Dichloropropane

Concen: 20.01 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

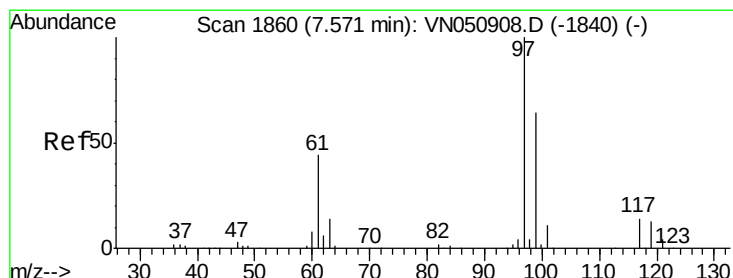
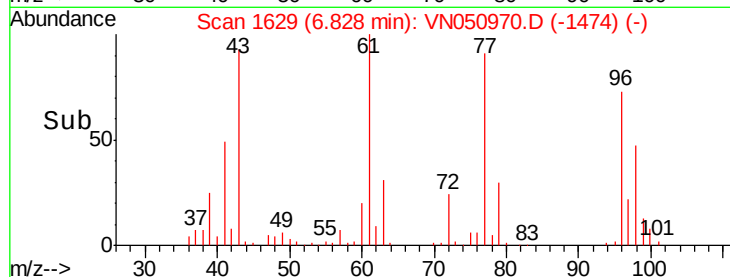
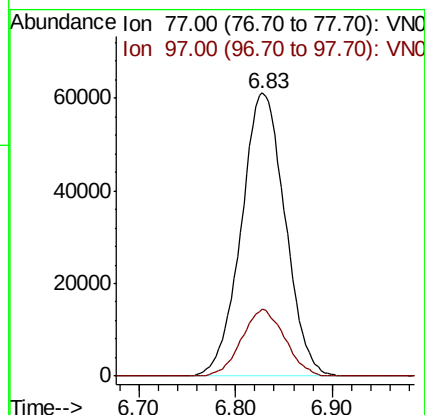
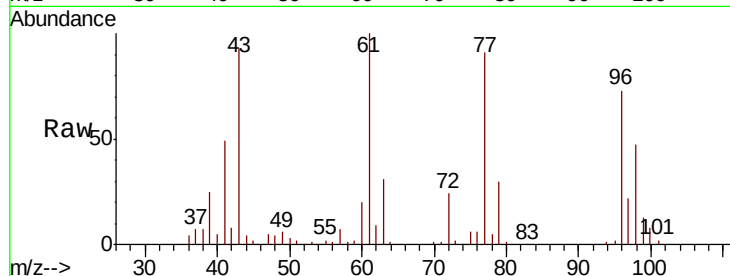
VSTDCCC020

Tot Ion: 77 Resp: 192415

Ion Ratio Lower Upper

77 100

97 23.3 20.2 30.2



#32

1,1,1-Trichloroethane

Concen: 18.94 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

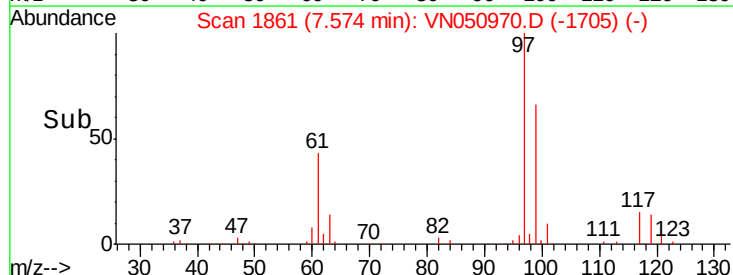
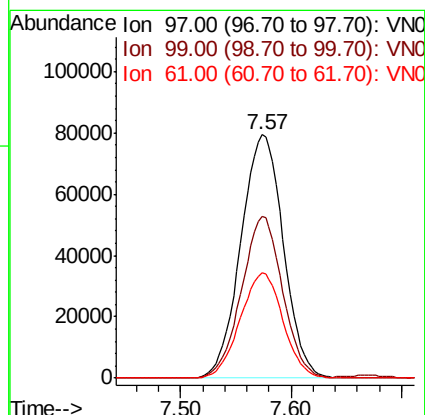
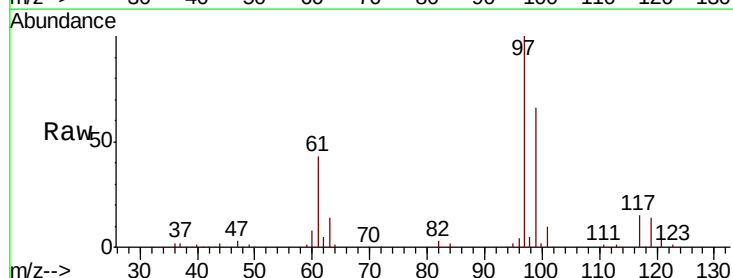
Tgt Ion: 97 Resp: 212193

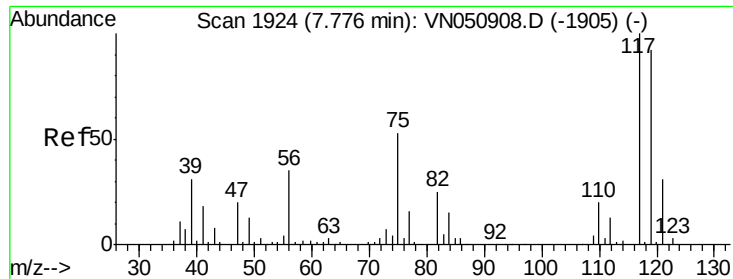
Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

61 43.4 35.0 52.6

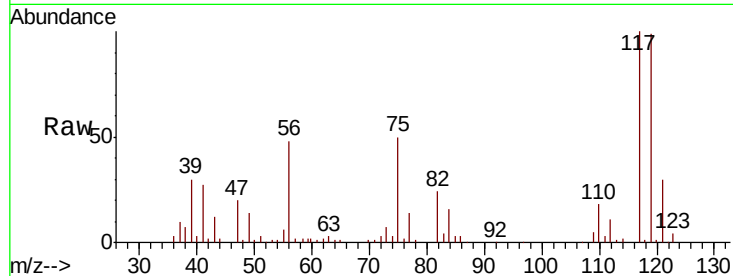




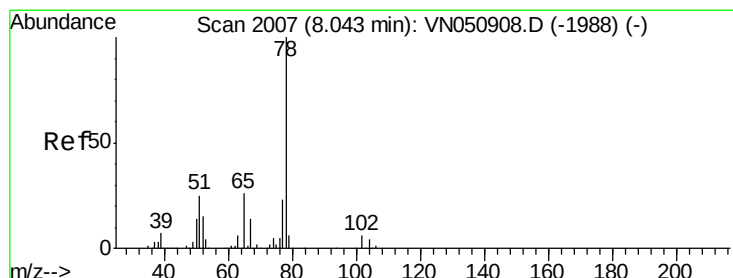
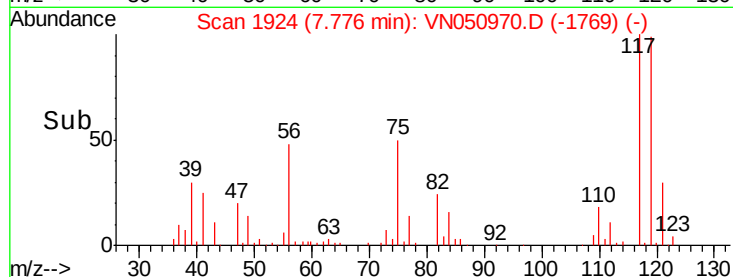
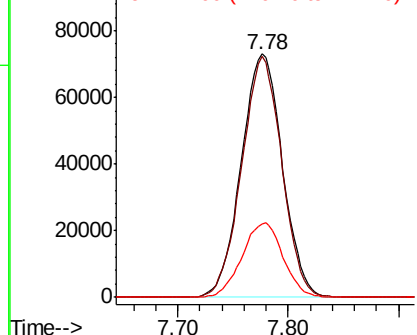
#33
Carbon Tetrachloride
Concen: 18.70 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 188726
Ion Ratio Lower Upper
117 100
119 99.2 73.5 110.3
121 30.1 24.6 37.0

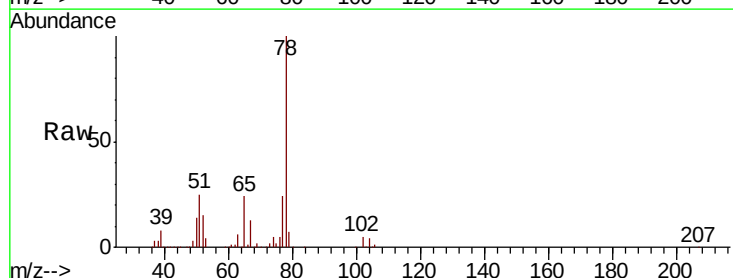


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

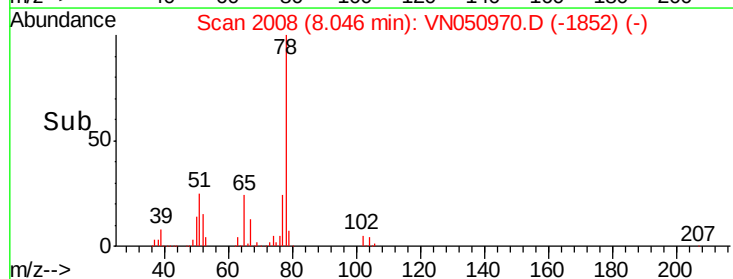
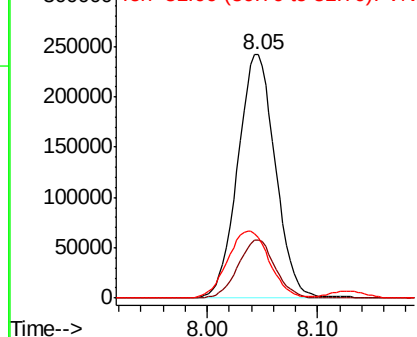


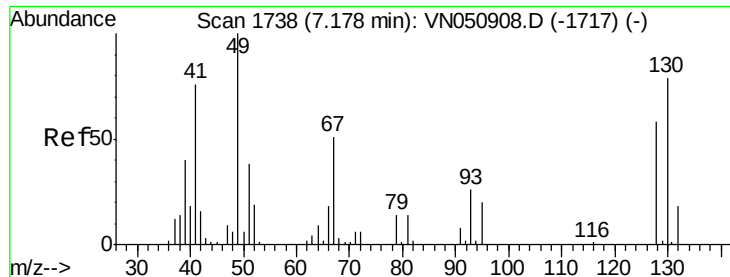
#34
Benzene
Concen: 18.64 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 78 Resp: 569858
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0
51 24.7 20.0 30.0



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

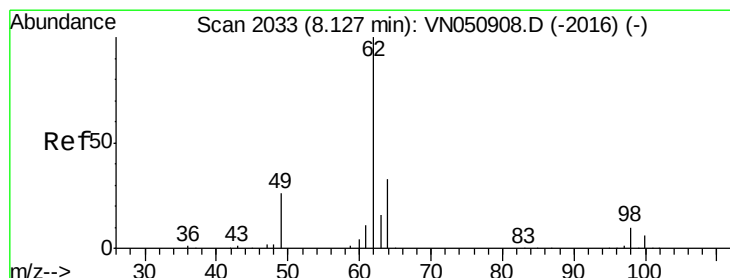
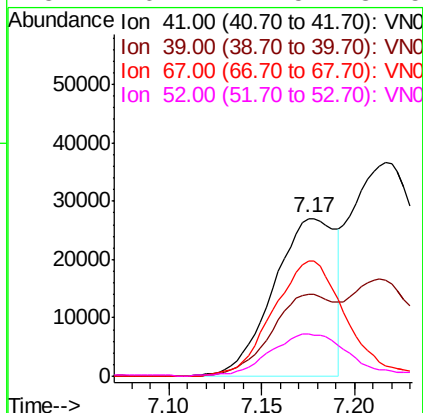
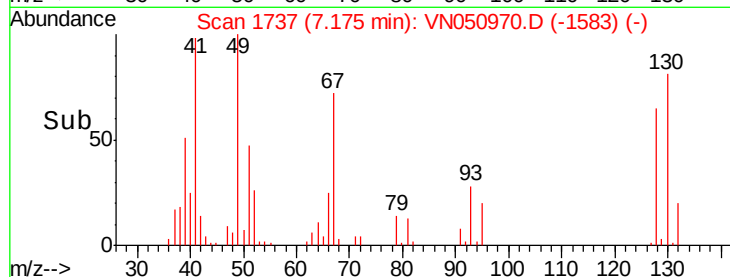
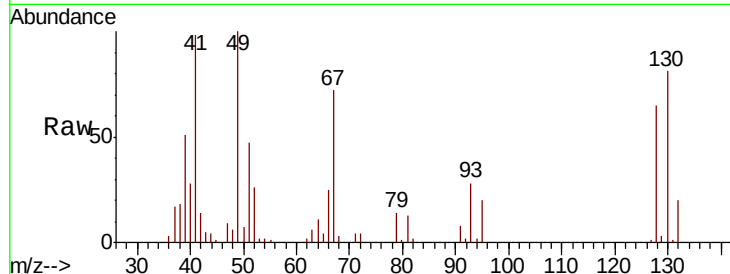




#35
Methacrylonitrile
Concen: 19.01 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

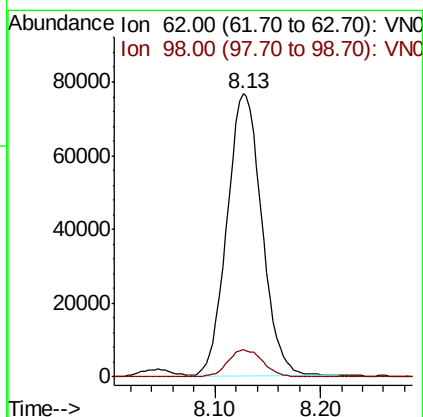
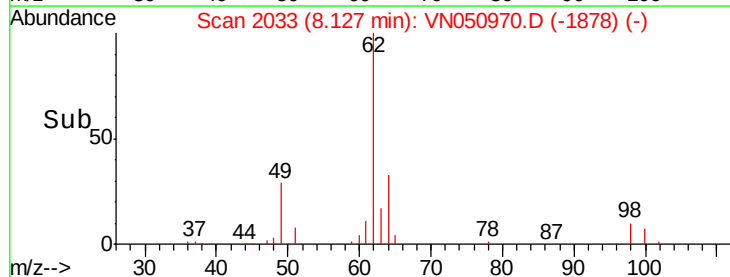
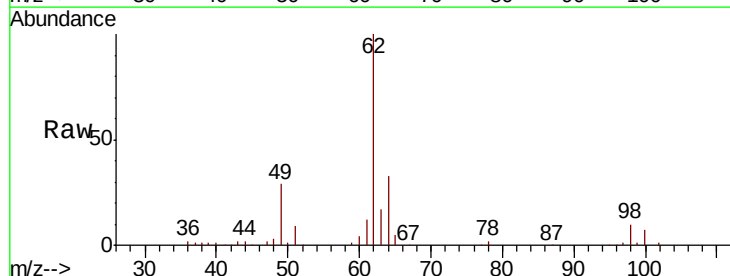
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

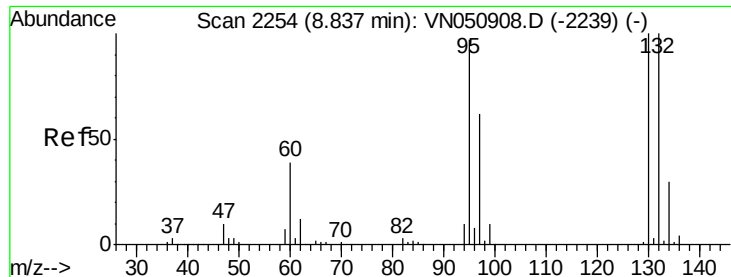
Tot Ion: 41 Resp: 63317
Ion Ratio Lower Upper
41 100
39 52.2 26.2 78.5
67 73.1 33.9 101.6
52 26.4 12.5 37.5



#36
1,2-Dichloroethane
Concen: 18.99 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 62 Resp: 175590
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0





#37

Trichloroethene

Concen: 18.34 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

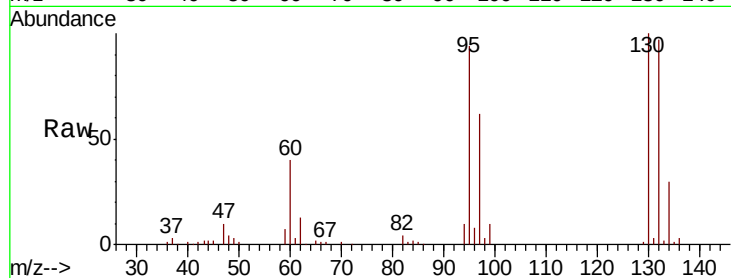
VSTDCCC020

Tot Ion:130 Resp: 146540

Ion Ratio Lower Upper

130 100

95 94.2 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

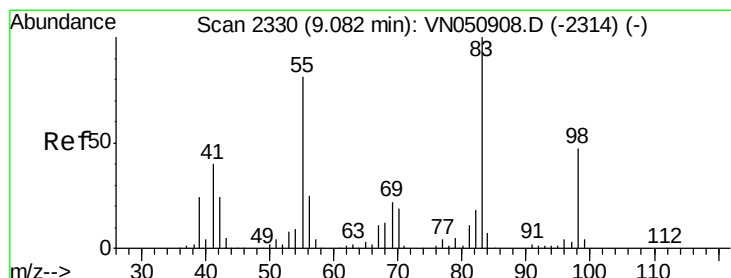
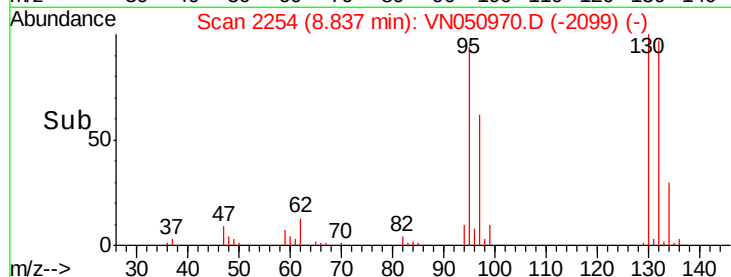
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 17.74 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

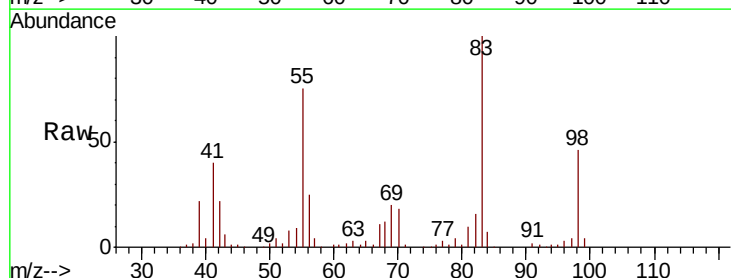
Tgt Ion: 83 Resp: 188228

Ion Ratio Lower Upper

83 100

55 77.1 38.9 116.7

98 45.6 22.9 68.7



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

120000

100000

80000

60000

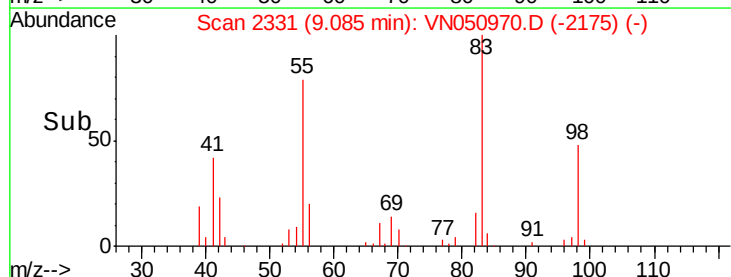
40000

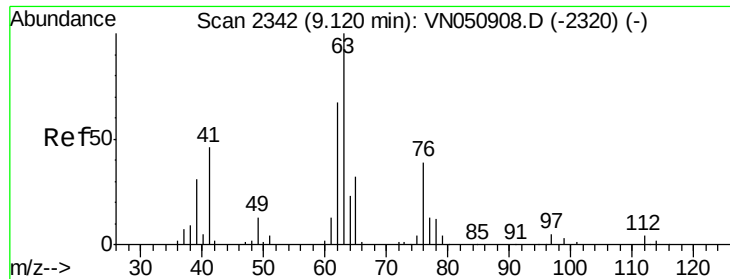
20000

0

9.00 9.05 9.10 9.15

Time-->

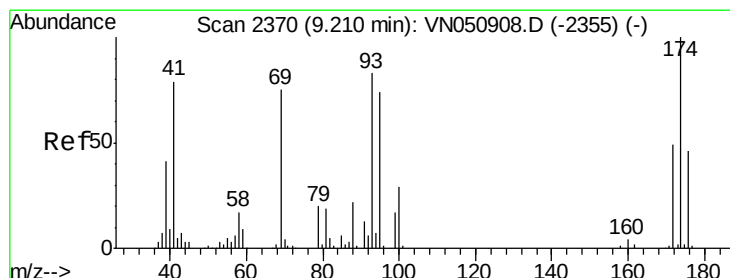
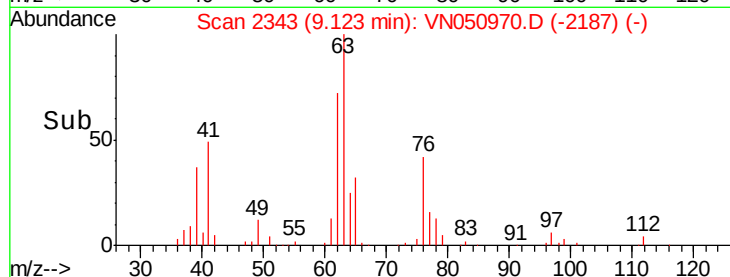
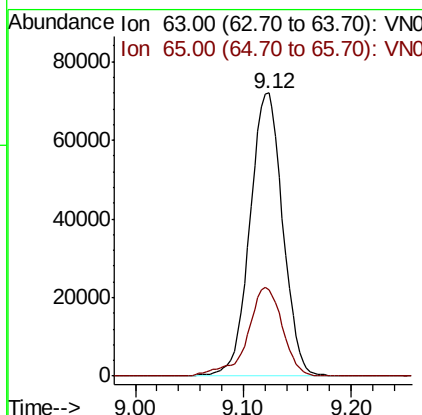
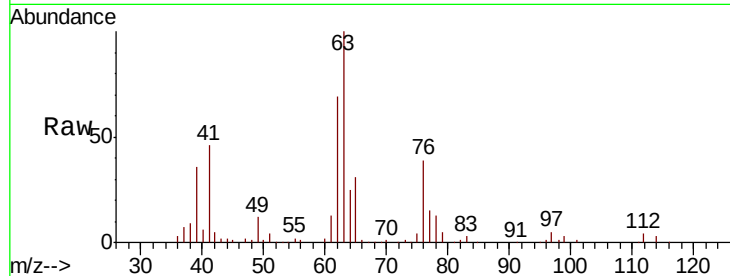




#39
 1,2-Dichloropropane
 Concen: 19.07 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

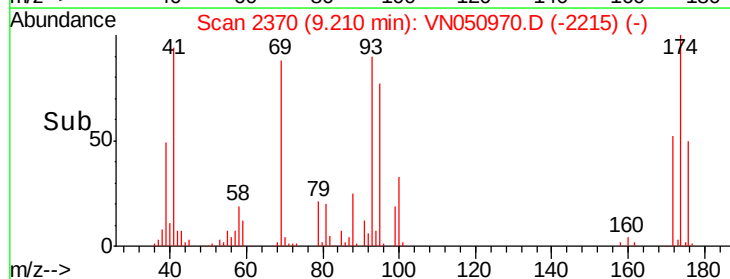
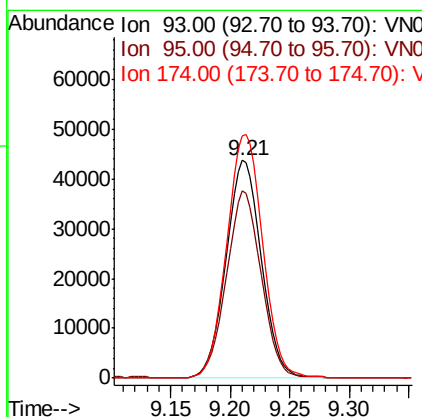
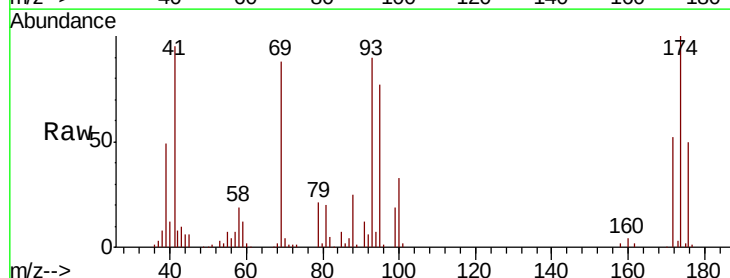
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

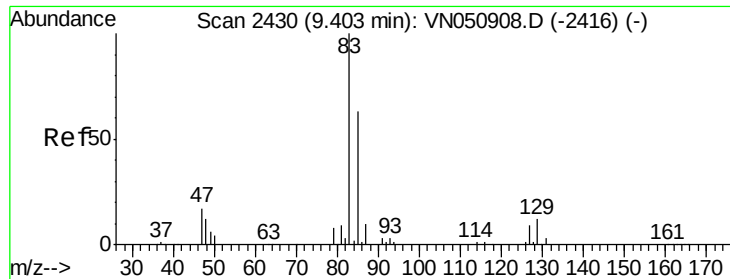
Tot Ion: 63 Resp: 152206
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.6 38.4



#40
 Dibromomethane
 Concen: 18.74 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion: 93 Resp: 90113
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 173.4
 174 114.1 0.0 234.8





#41

Bromodichloromethane

Concen: 18.76 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

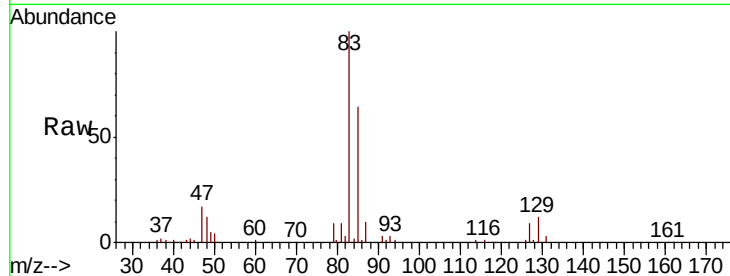
Tot Ion: 83 Resp: 190173

Ion Ratio Lower Upper

83 100

85 64.3 50.6 76.0

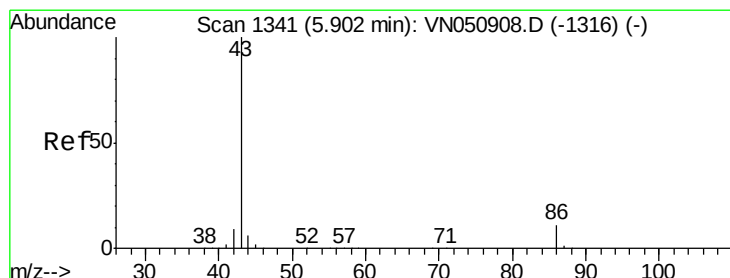
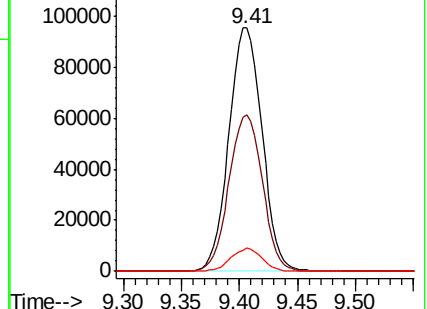
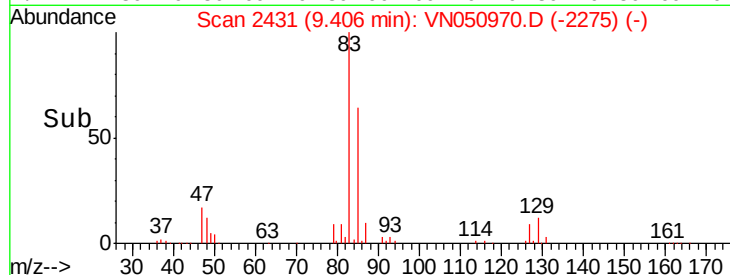
127 9.5 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN050970.D (-2275) (-)

Ion 85.00 (84.70 to 85.70): VN050970.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): VN050970.D (-2275) (-)



#42

Vinyl Acetate

Concen: 89.97 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050970.D

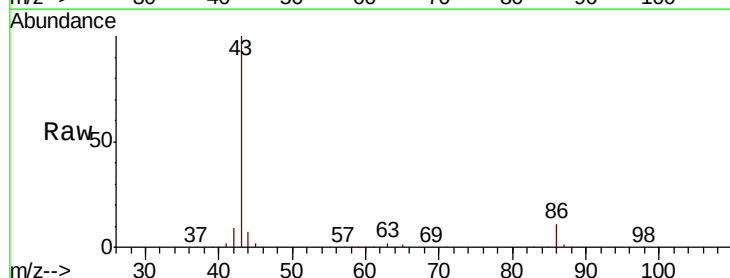
Acq: 30 Aug 2018 18:20

Tgt Ion: 43 Resp: 1259633

Ion Ratio Lower Upper

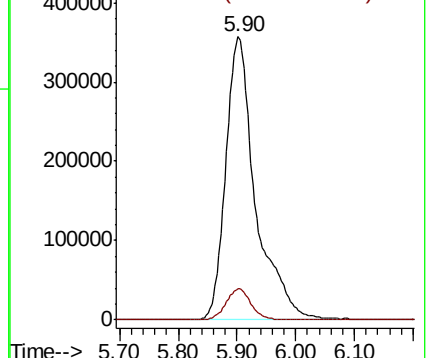
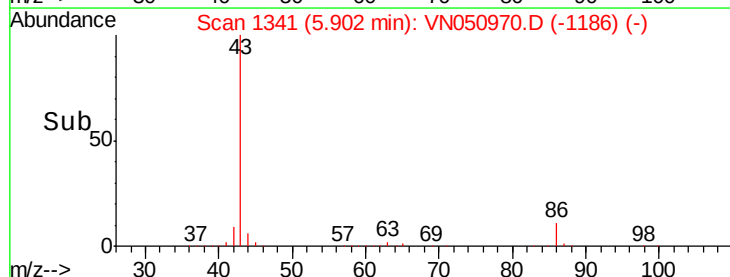
43 100

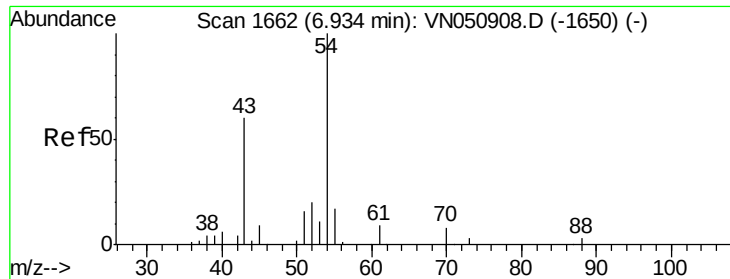
86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN050970.D (-1186) (-)

Ion 86.00 (85.70 to 86.70): VN050970.D (-1186) (-)

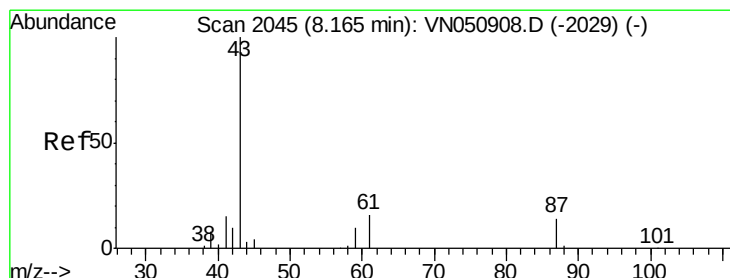
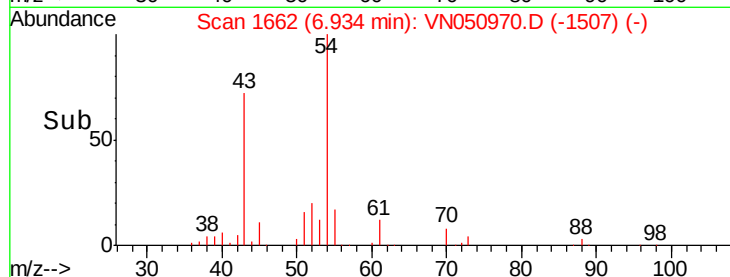
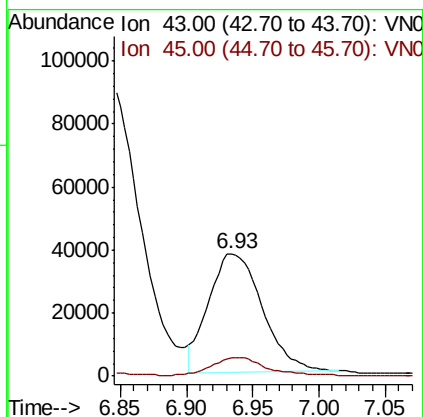
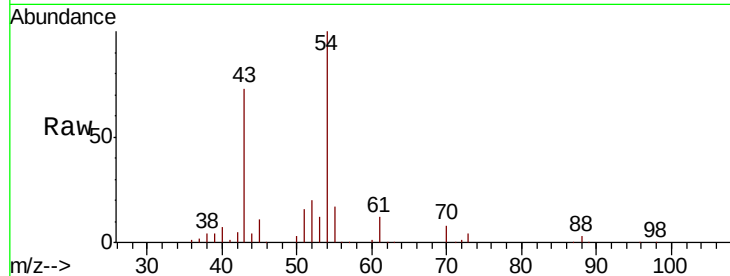




#43
Ethyl Acetate
Concen: 17.06 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

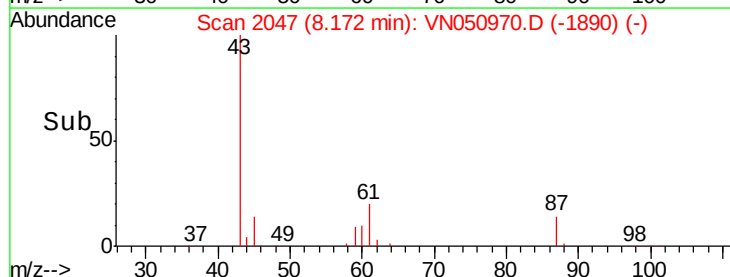
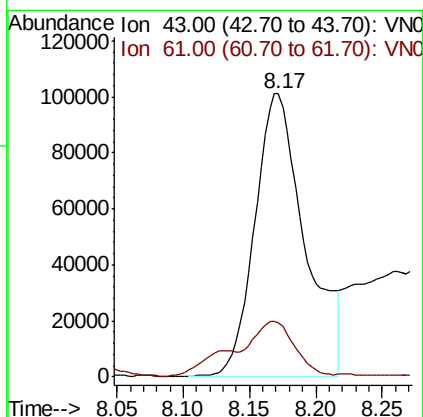
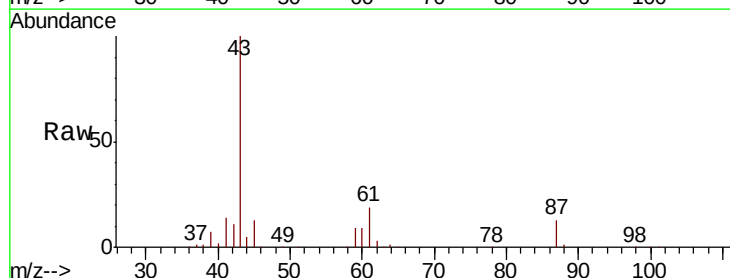
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

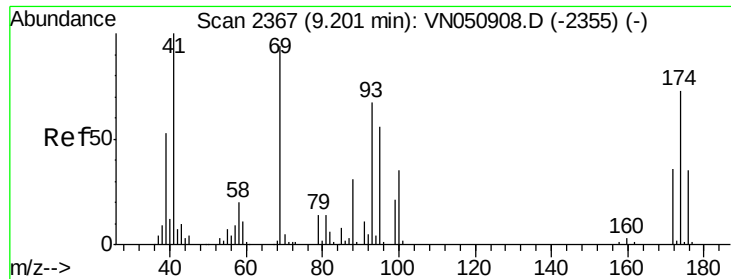
Tot Ion: 43 Resp: 106211
Ion Ratio Lower Upper
43 100
45 14.3 10.2 15.2



#44
Isopropyl Acetate
Concen: 24.16 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.01 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 43 Resp: 265498
Ion Ratio Lower Upper
43 100
61 15.9 16.3 24.5#

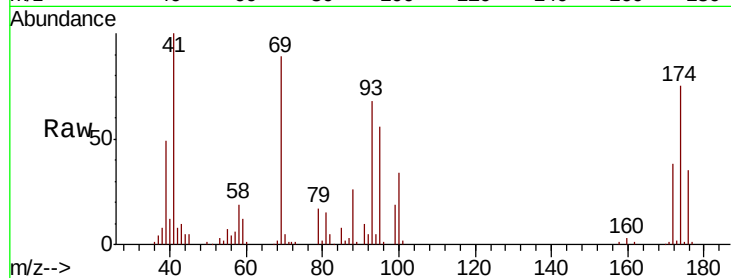




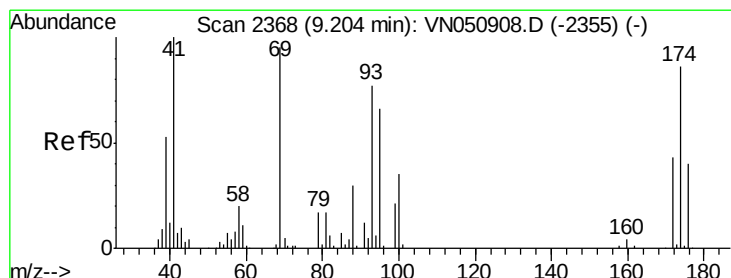
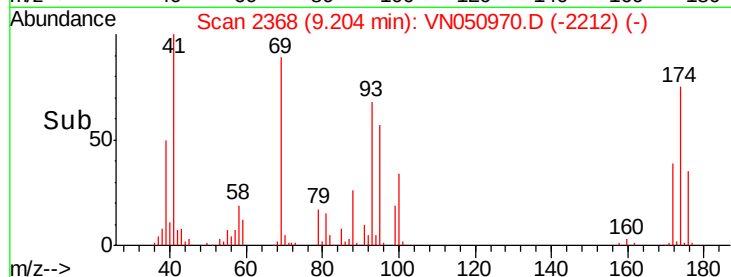
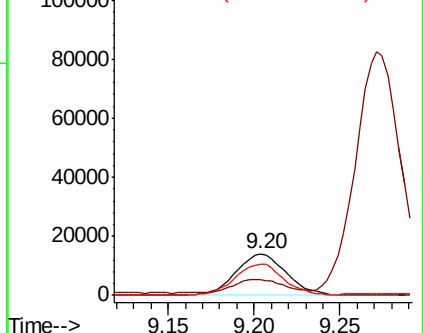
#45
 1,4-Dioxane
 Concen: 347.87 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 28394
 Ion Ratio Lower Upper
 88 100
 43 32.9 23.5 35.3
 58 74.6 55.2 82.8

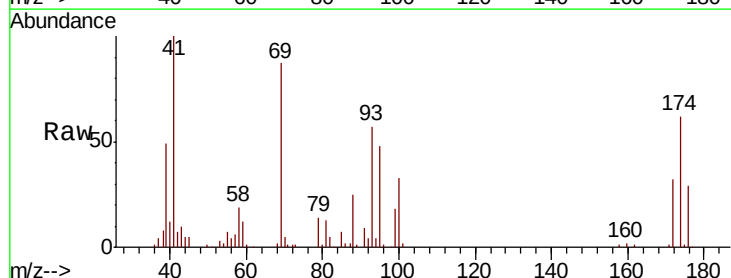


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

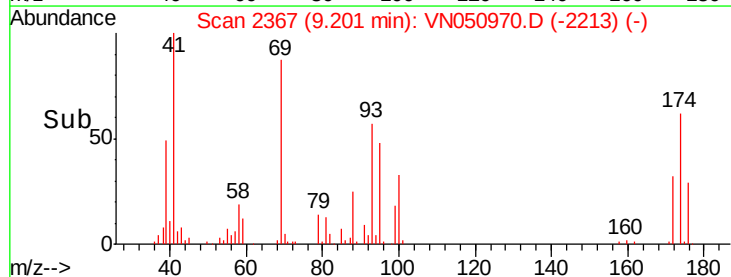
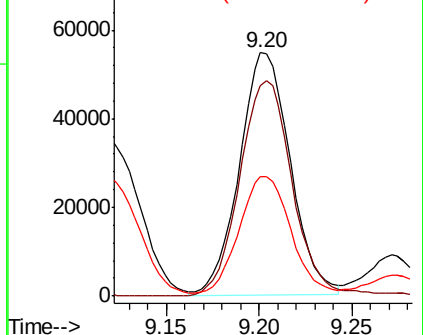


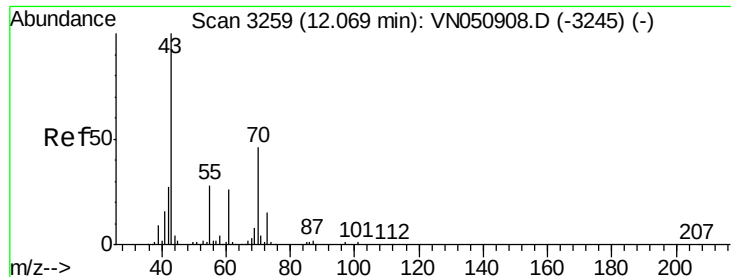
#46
 Methyl methacrylate
 Concen: 18.97 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion: 41 Resp: 104390
 Ion Ratio Lower Upper
 41 100
 69 87.7 47.4 142.2
 39 48.7 26.6 79.7



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





#47

n-amvl Acetate

Concen: 16.71 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

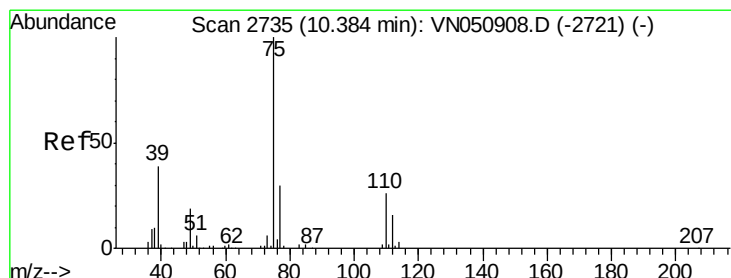
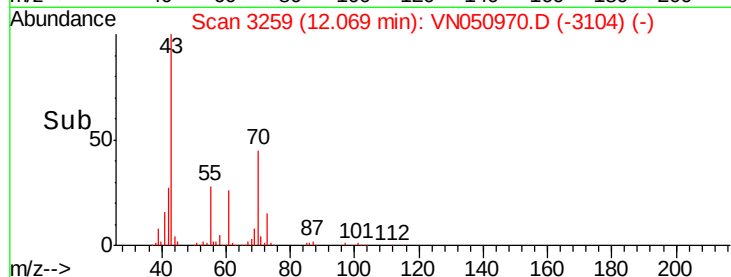
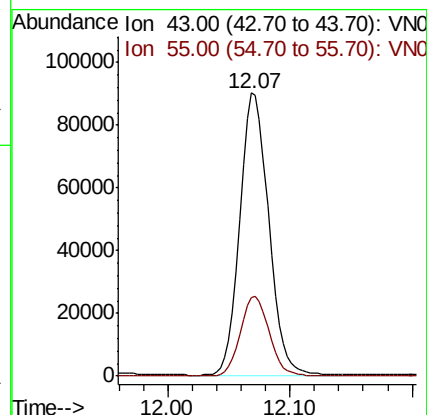
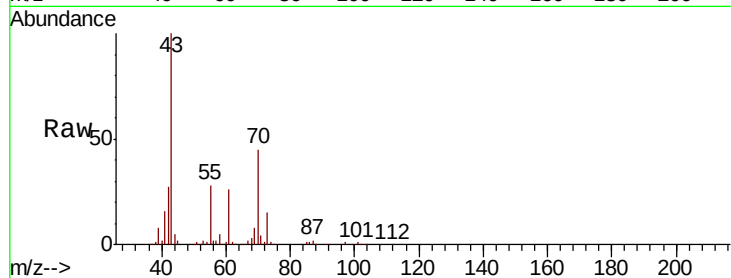
VSTDCCC020

Tot Ion: 43 Resp: 147634

Ion Ratio Lower Upper

43 100

55 28.1 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 18.06 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050970.D

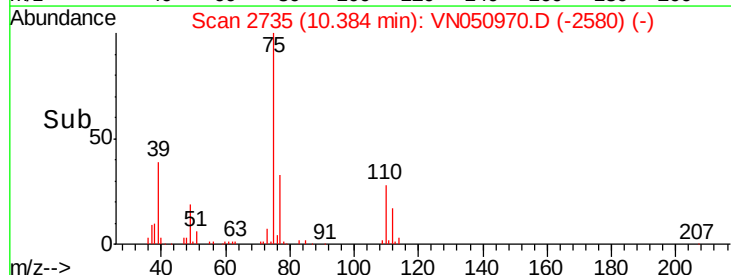
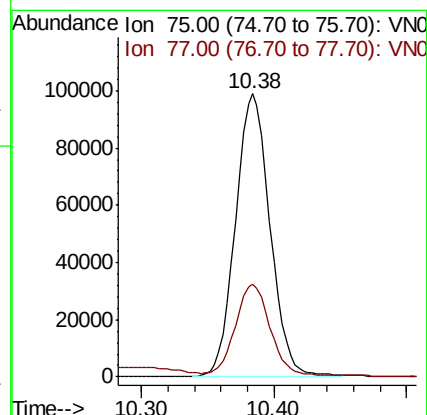
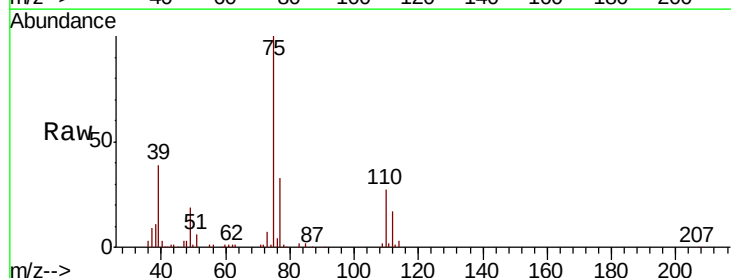
Acq: 30 Aug 2018 18:20

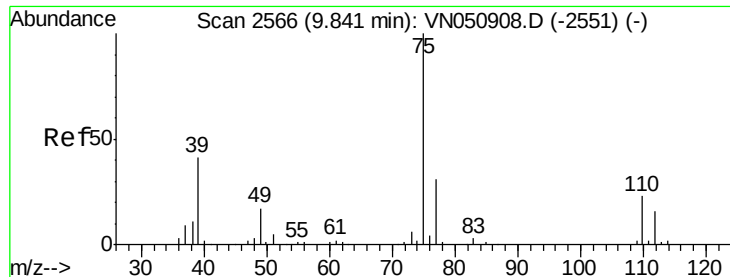
Tgt Ion: 75 Resp: 179459

Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 18.63 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

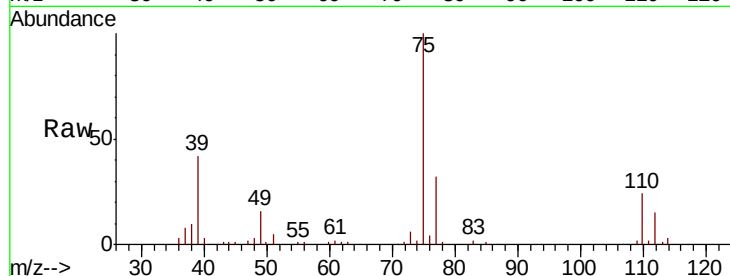
Tot Ion: 75 Resp: 212643

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.4

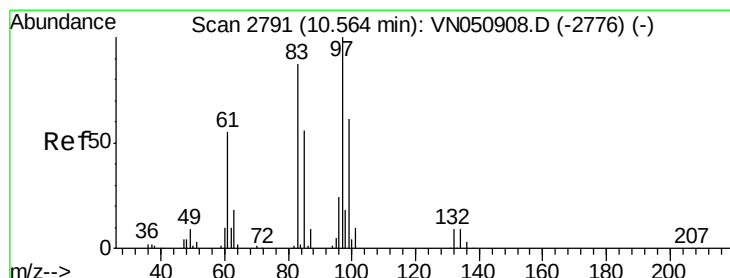
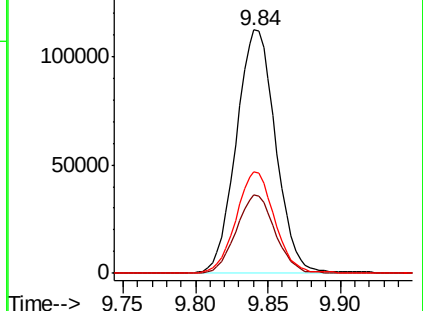
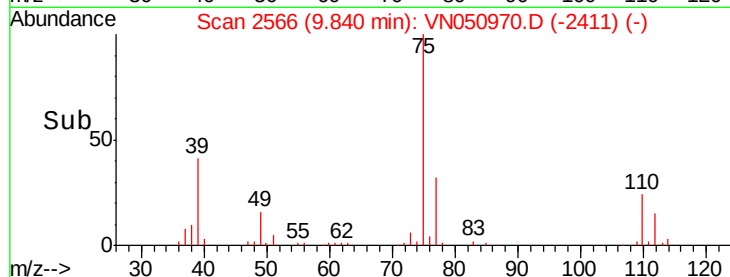
39 41.5 32.9 49.3



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



#50

1,1,2-Trichloroethane

Concen: 18.99 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Tgt Ion: 97 Resp: 132686

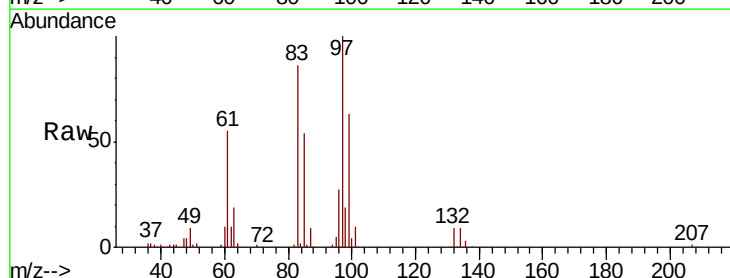
Ion Ratio Lower Upper

97 100

83 86.3 69.8 104.6

85 53.8 45.0 67.6

99 63.0 49.1 73.7

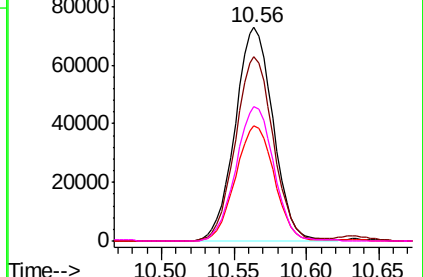
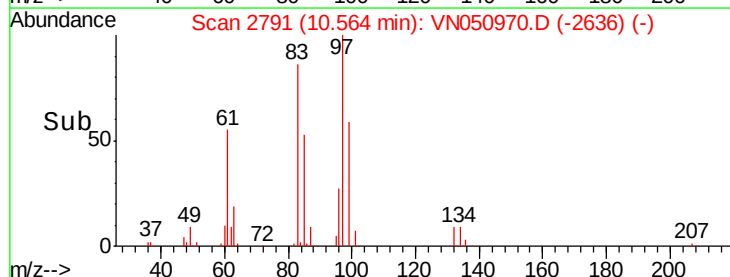


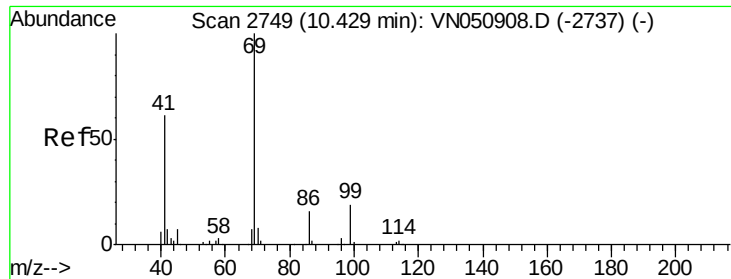
Abundance Ion 97.00 (96.70 to 97.70): VN0

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: 17.22 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

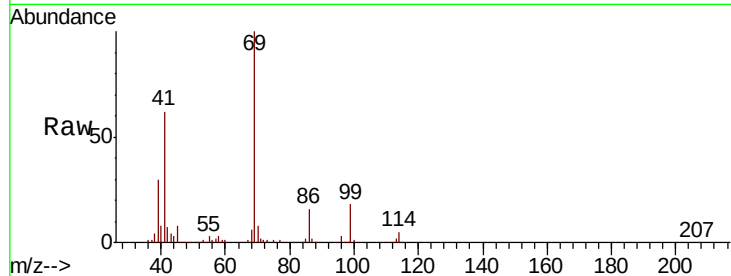
MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 69 Resp: 147204

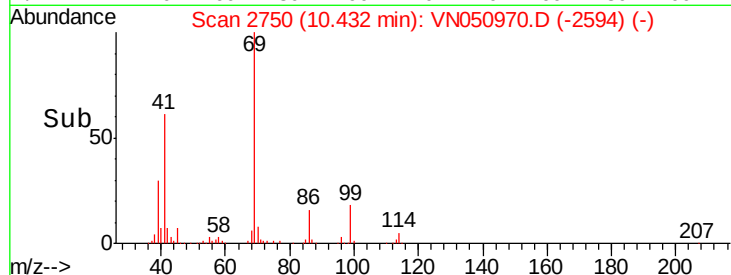
Ion	Ratio	Lower	Upper
69	100		
41	61.4	30.5	91.5
39	29.7	15.3	45.8



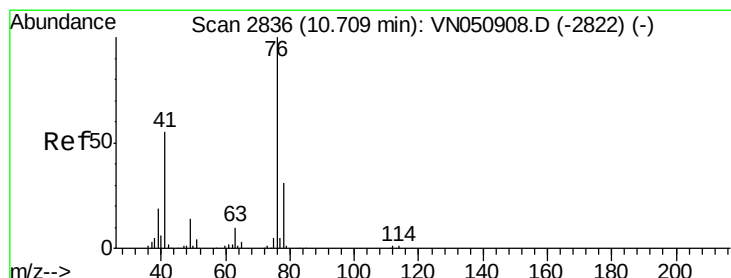
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#52

1,3-Dichloropropane

Concen: 18.45 ug/l

RT: 10.71 min Scan# 2836

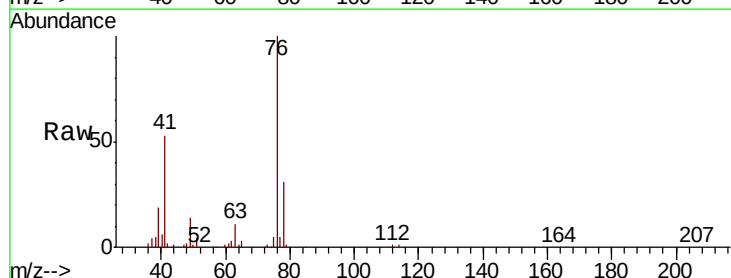
Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

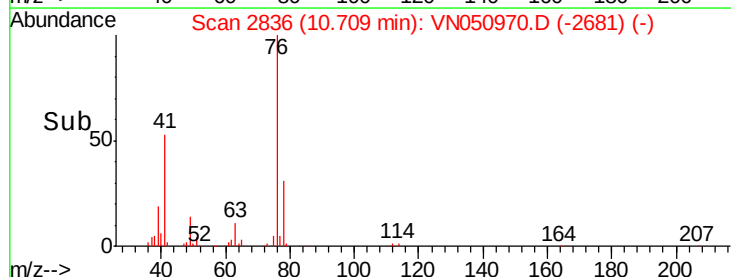
Tgt Ion: 76 Resp: 213541

Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	63.4

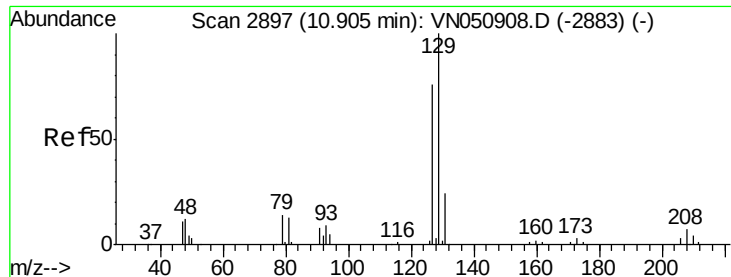


Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->



#53

Dibromochloromethane

Concen: 18.21 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

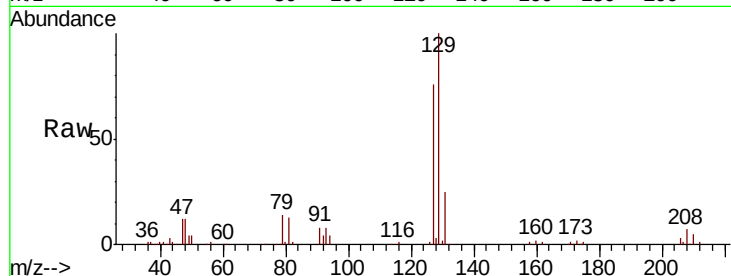
VSTDCCC020

Tot Ion:129 Resp: 144685

Ion Ratio Lower Upper

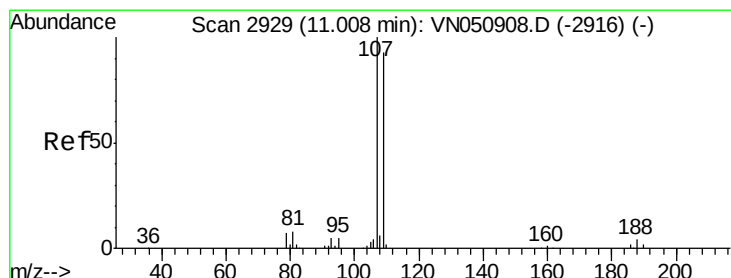
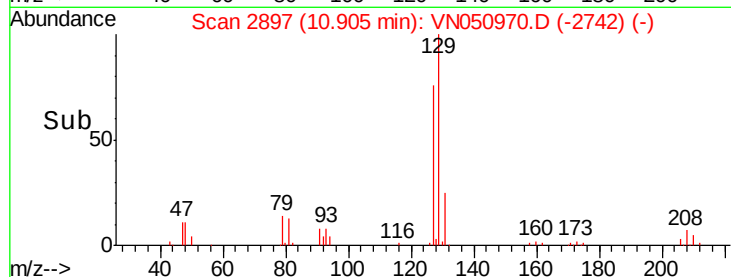
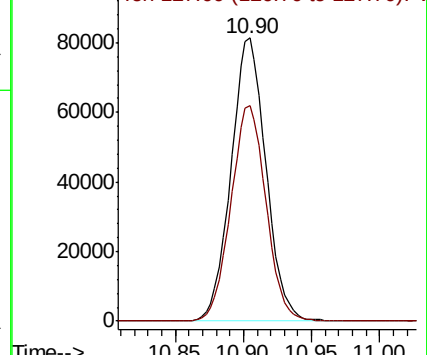
129 100

127 76.6 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.87 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050970.D

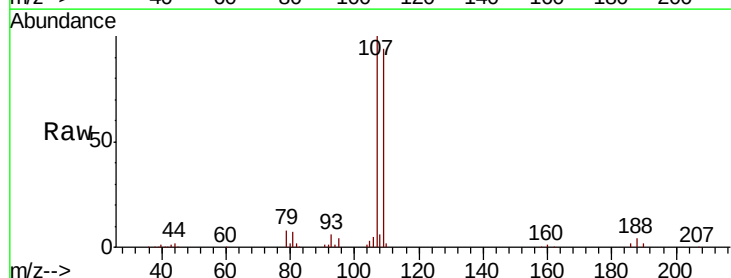
Acq: 30 Aug 2018 18:20

Tgt Ion:107 Resp: 123481

Ion Ratio Lower Upper

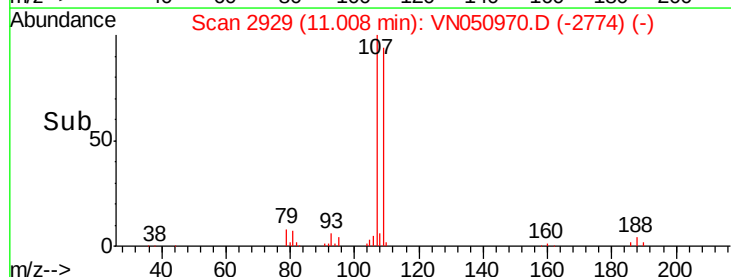
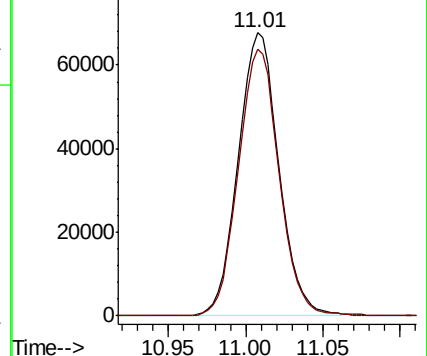
107 100

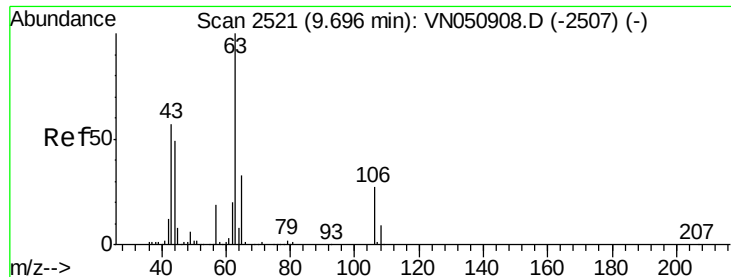
109 94.6 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

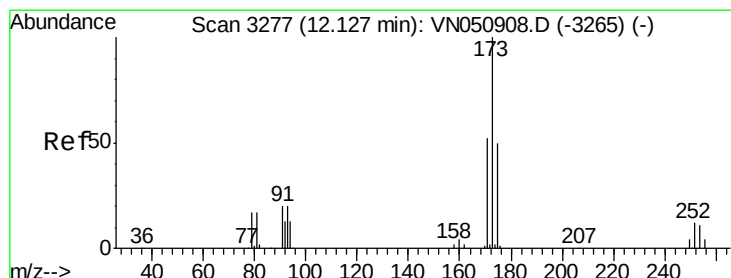
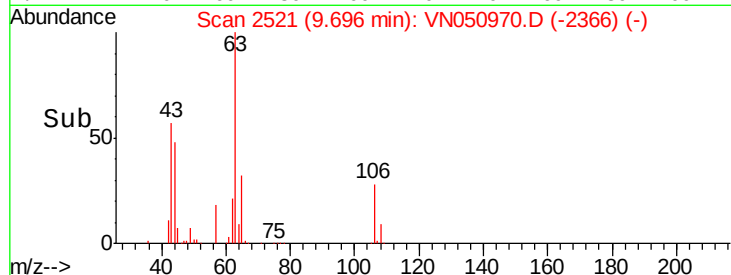
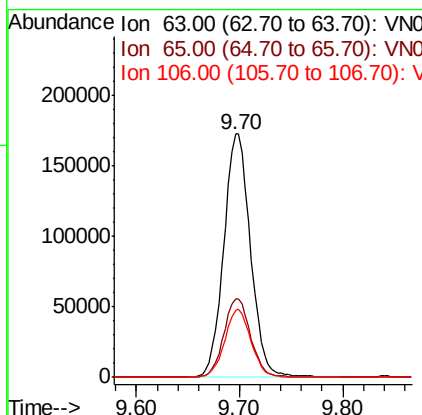
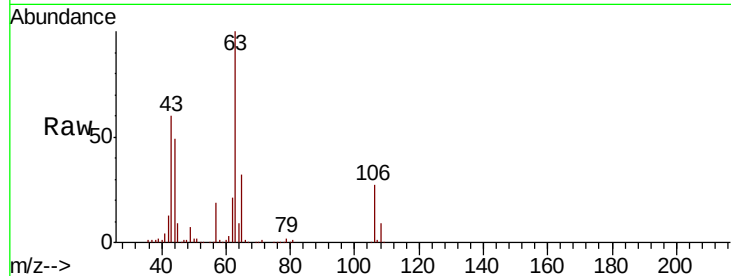




#55
 2-Chloroethyl vinyl ether
 Concen: 87.77 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

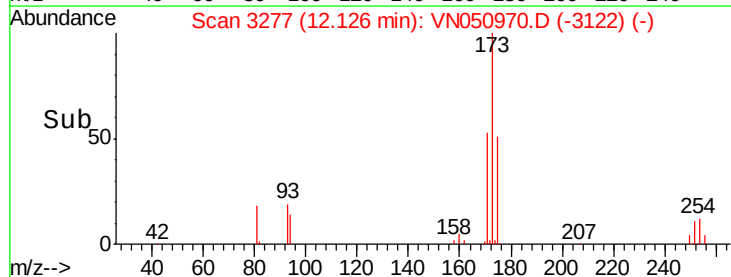
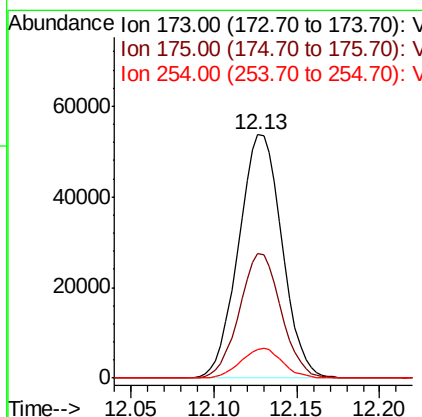
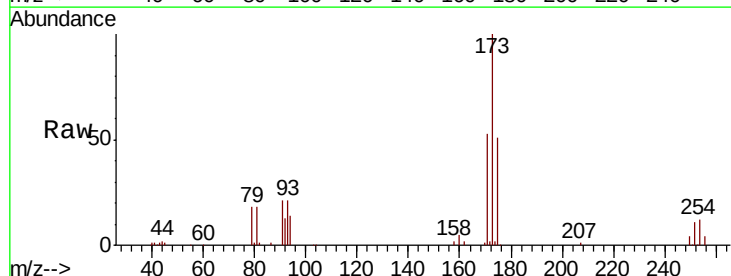
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

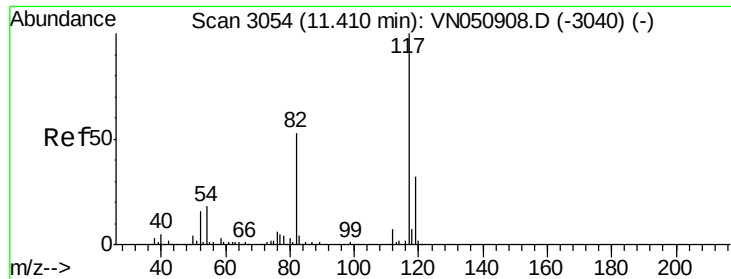
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	27.5	22.0	33.0



#56
 Bromoform
 Concen: 17.33 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	39.2	58.8
254	11.7	9.0	13.6

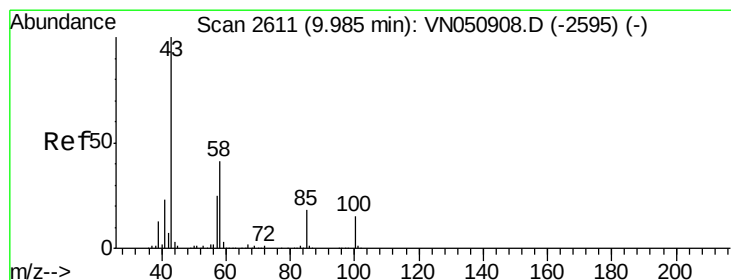
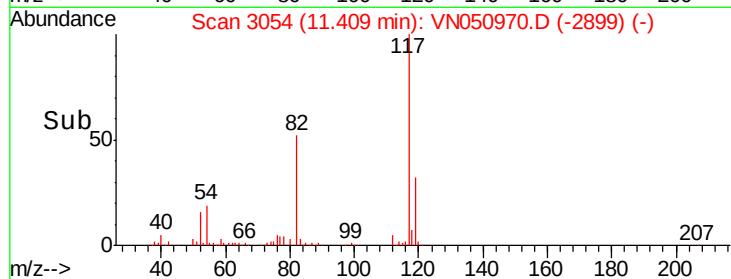
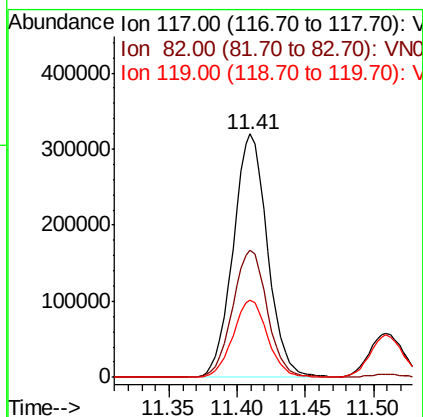
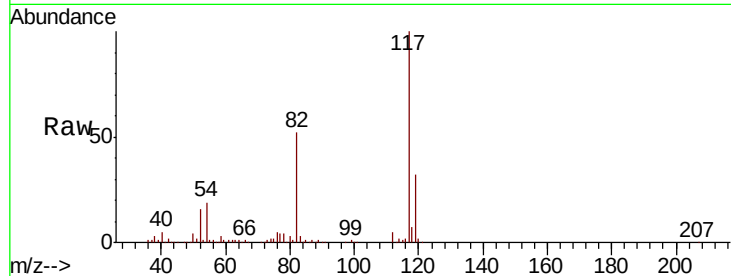




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

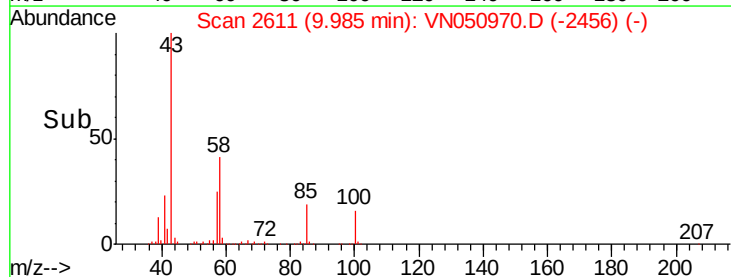
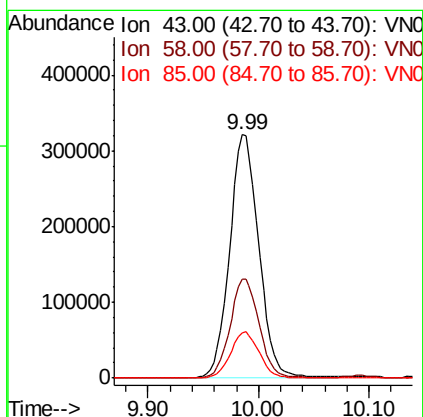
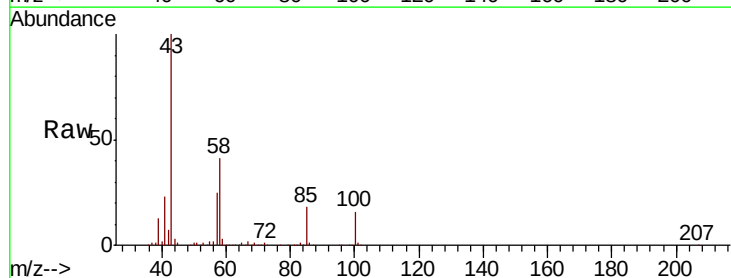
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

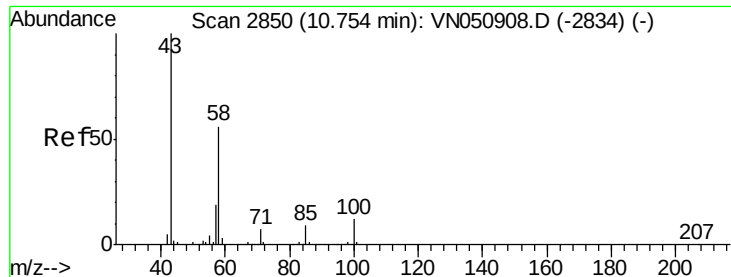
Tot Ion:117 Resp: 559108
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.0 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 91.89 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 43 Resp: 587799
Ion Ratio Lower Upper
43 100
58 40.8 32.3 48.5
85 18.6 14.9 22.3

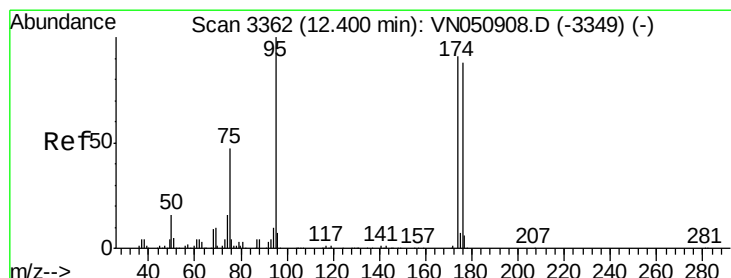
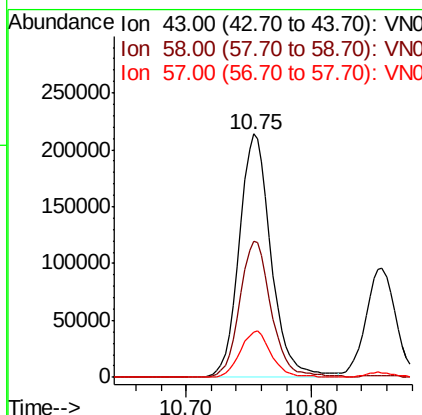
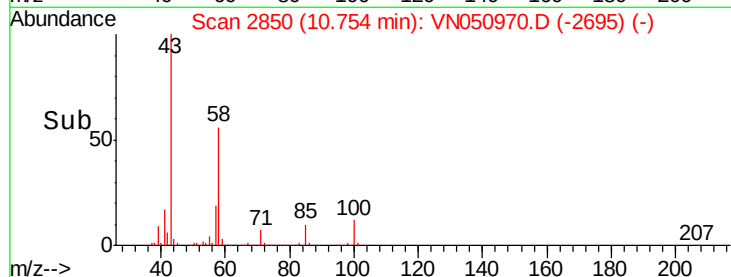
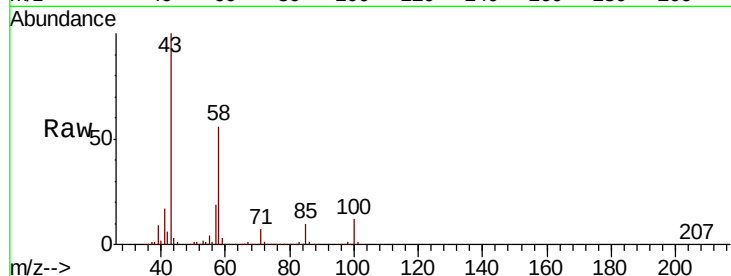




#59
2-Hexanone
Concen: 89.64 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

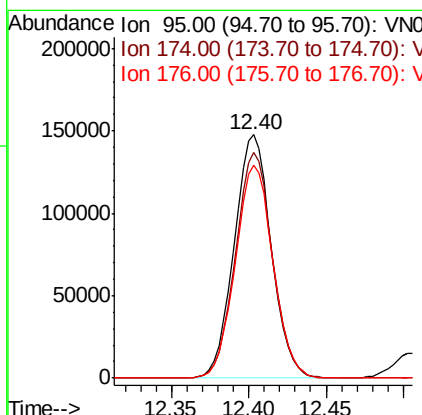
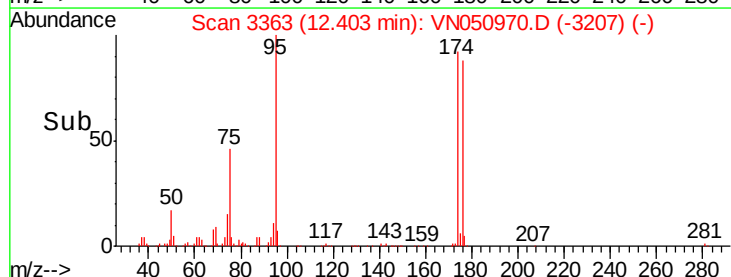
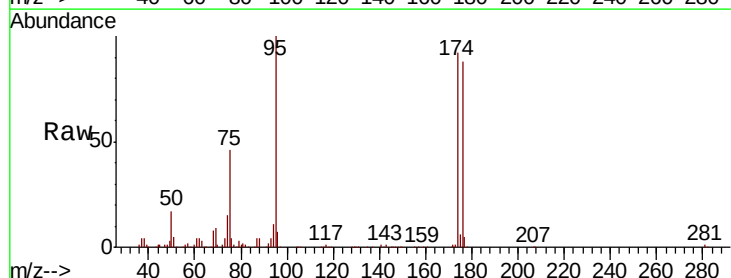
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

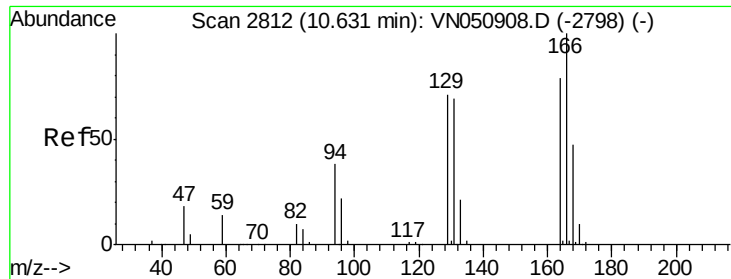
Tot Ion: 43 Resp: 374831
Ion Ratio Lower Upper
43 100
58 56.1 45.5 68.3
57 19.0 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 29.49 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 95 Resp: 245148
Ion Ratio Lower Upper
95 100
174 92.7 74.6 112.0
176 88.8 71.5 107.3





#61

Tetrachloroethene

Concen: 18.98 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 132233

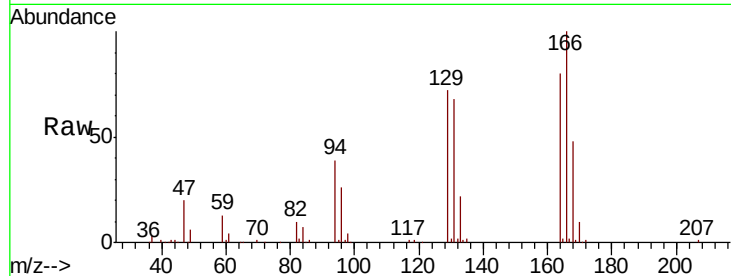
Ion Ratio Lower Upper

164 100

166 125.3 100.6 151.0

129 90.2 71.0 106.6

131 85.3 69.3 103.9

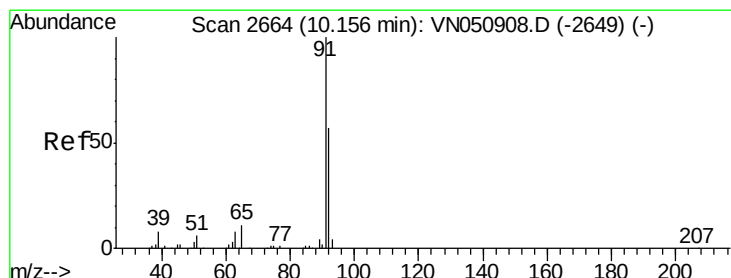
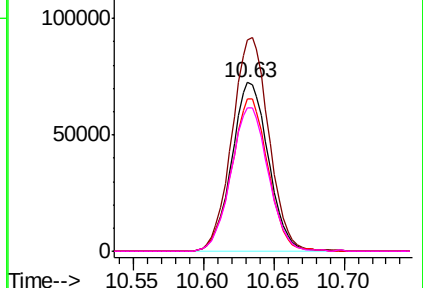
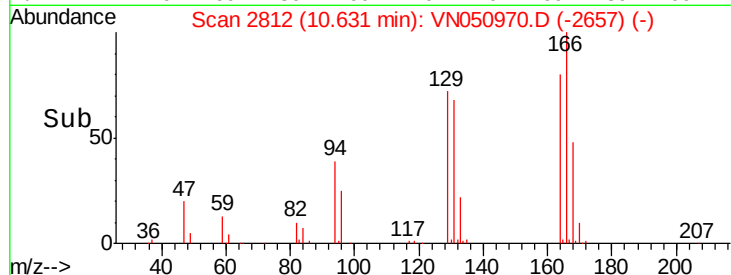


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.33 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050970.D

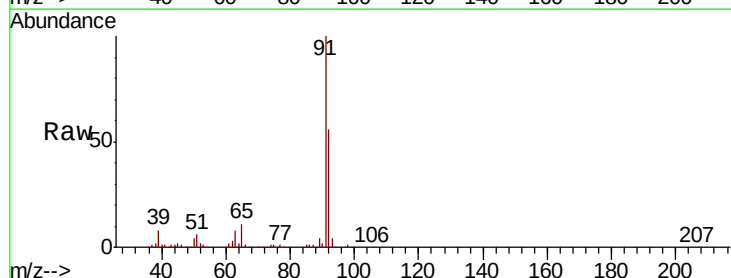
Acq: 30 Aug 2018 18:20

Tgt Ion: 91 Resp: 602968

Ion Ratio Lower Upper

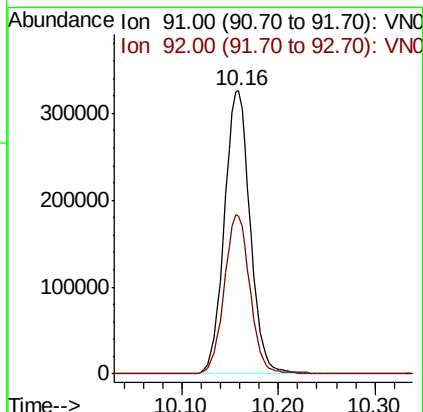
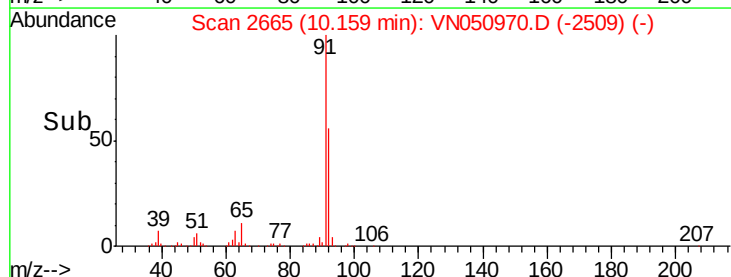
91 100

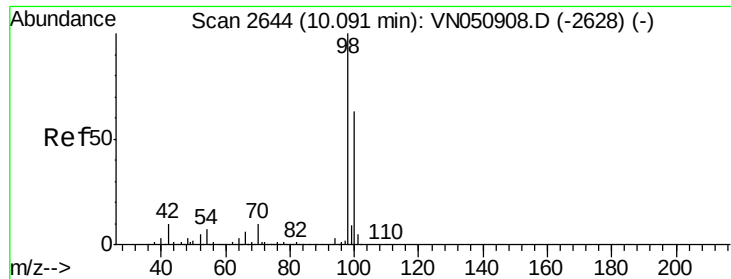
92 56.1 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.99 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

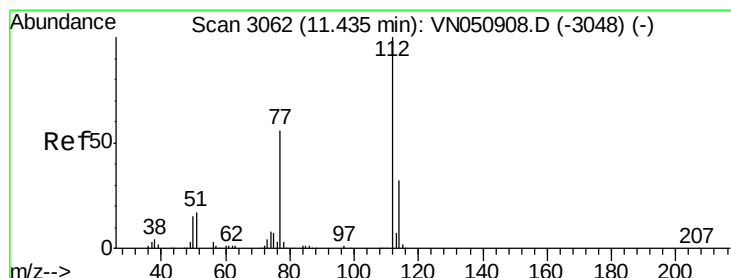
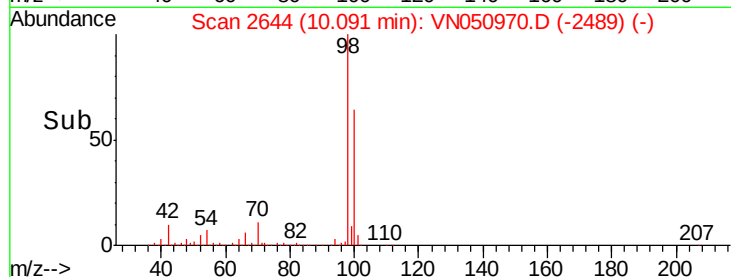
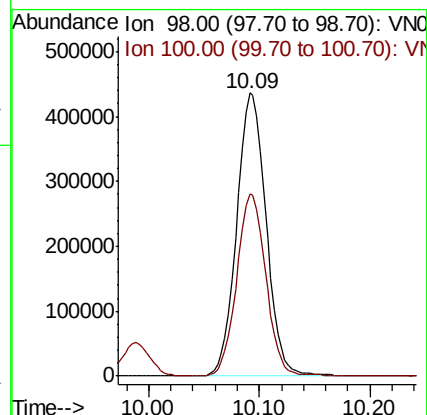
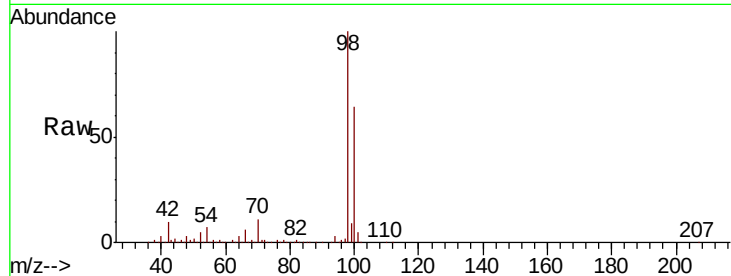
VSTDCCC020

Tot Ion: 98 Resp: 807958

Ion Ratio Lower Upper

98 100

100 64.0 50.6 75.8



#64

Chlorobenzene

Concen: 18.61 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050970.D

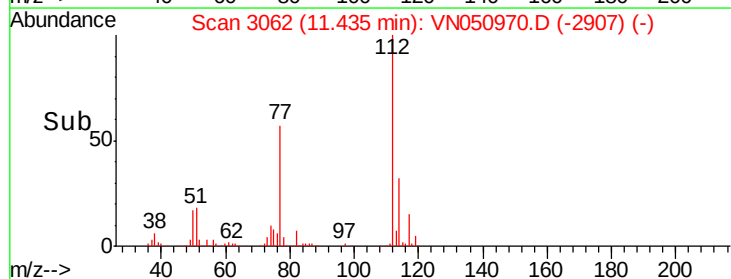
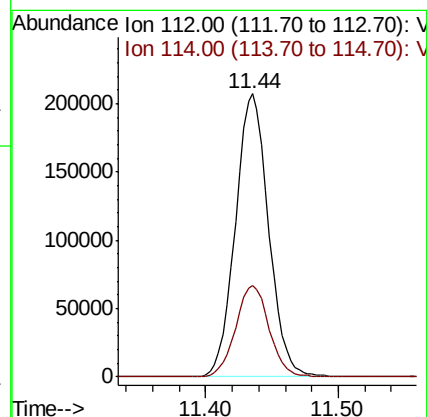
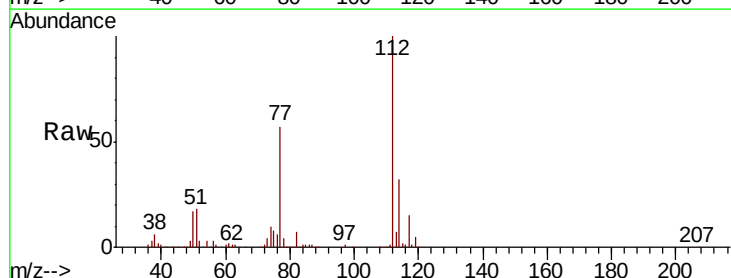
Acq: 30 Aug 2018 18:20

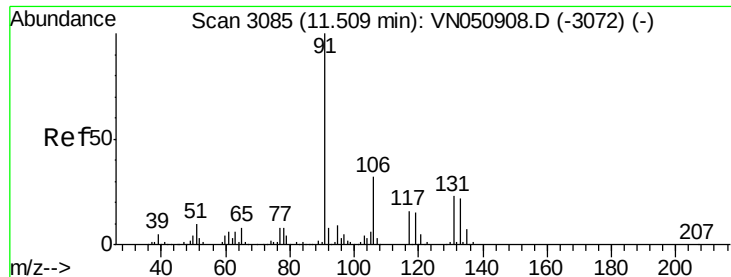
Tgt Ion: 112 Resp: 359861

Ion Ratio Lower Upper

112 100

114 32.5 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

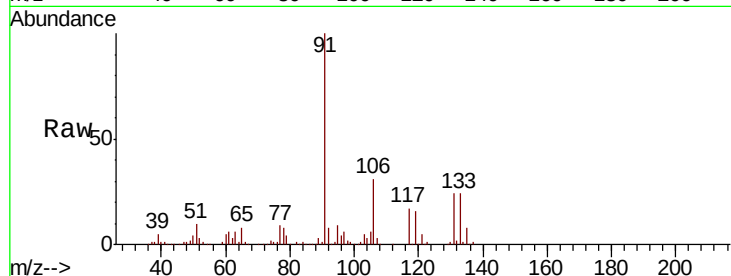
Tot Ion:131 Resp: 142303

Ion Ratio Lower Upper

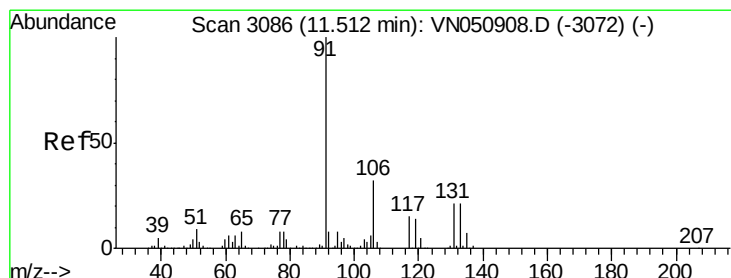
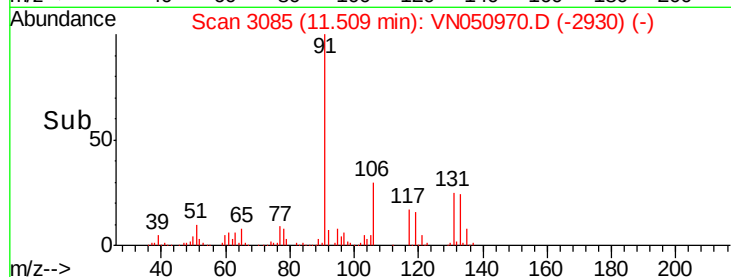
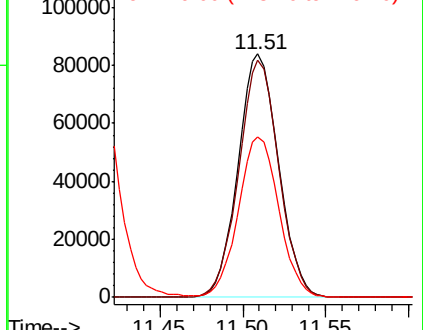
131 100

133 96.6 0.0 189.4

119 66.3 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.23 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050970.D

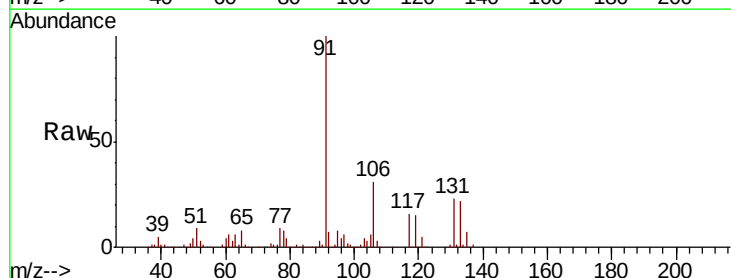
Acq: 30 Aug 2018 18:20

Tgt Ion: 91 Resp: 588945

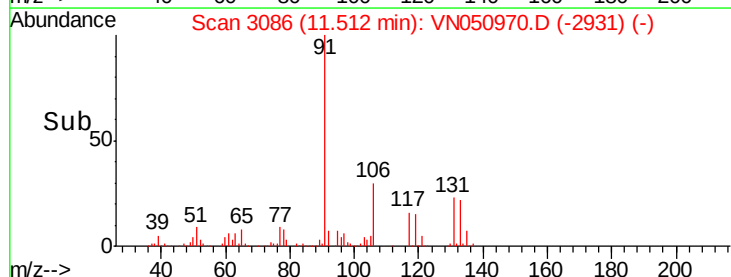
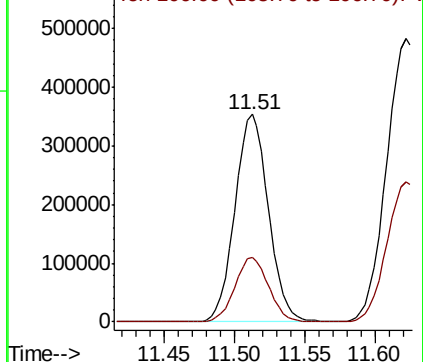
Ion Ratio Lower Upper

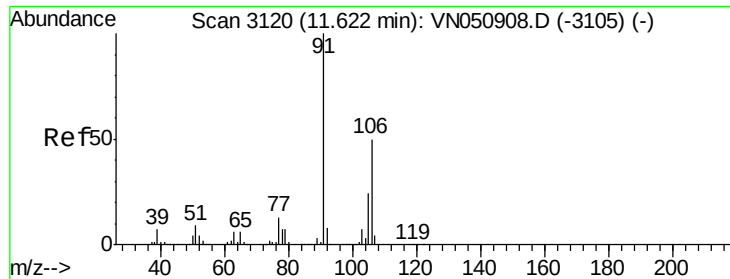
91 100

106 31.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

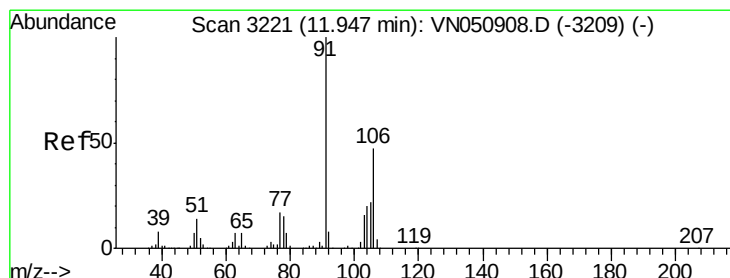
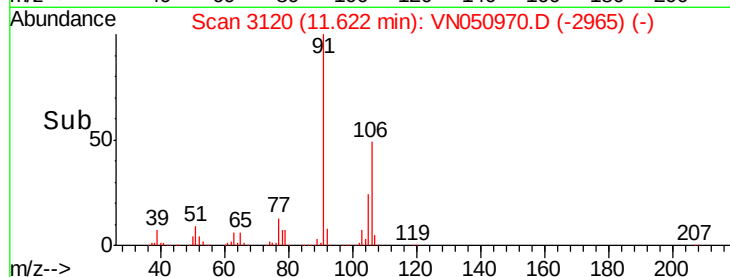
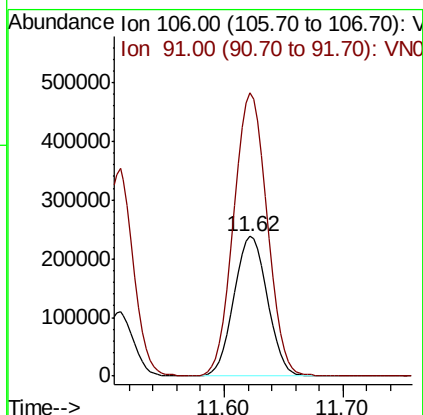
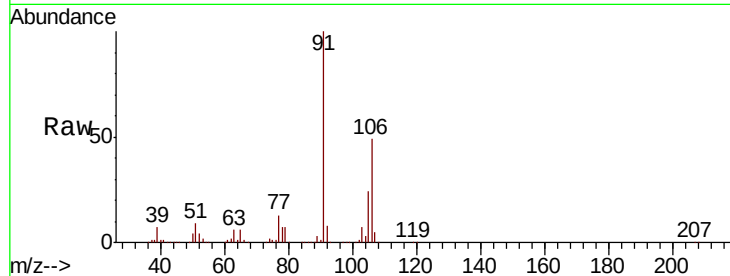




#67
m/p-Xylenes
Concen: 37.48 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

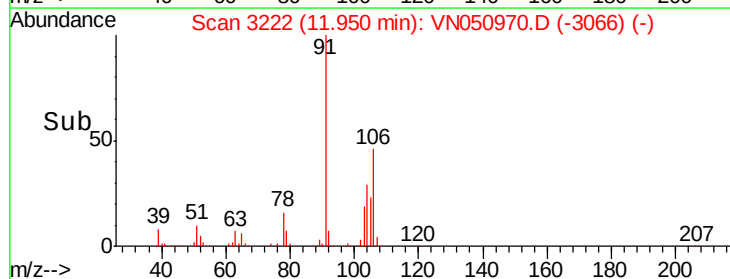
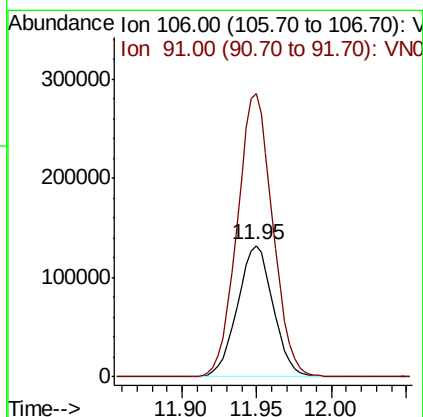
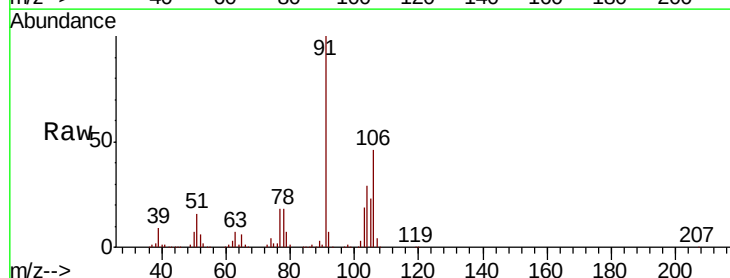
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

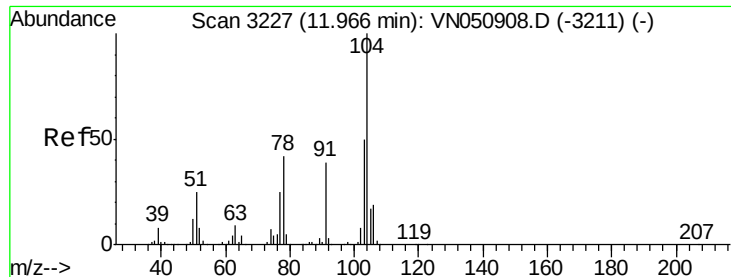
Tot Ion:106 Resp: 465935
Ion Ratio Lower Upper
106 100
91 201.9 160.6 241.0



#68
o-Xylene
Concen: 18.48 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion:106 Resp: 219549
Ion Ratio Lower Upper
106 100
91 214.8 106.4 319.2

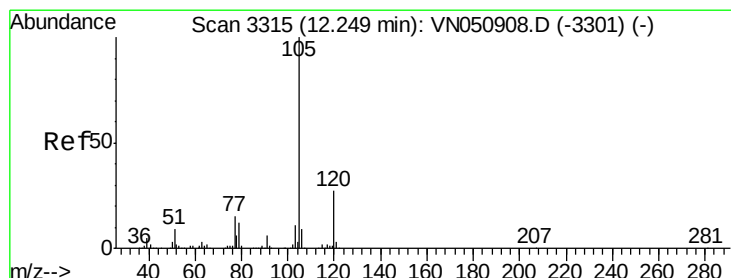
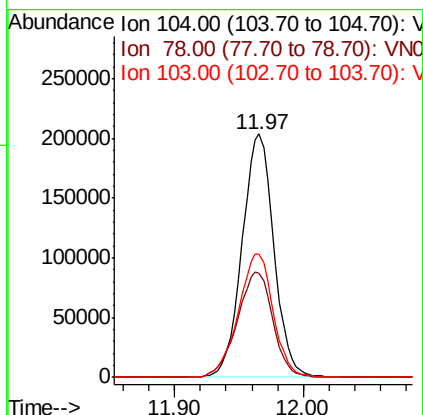
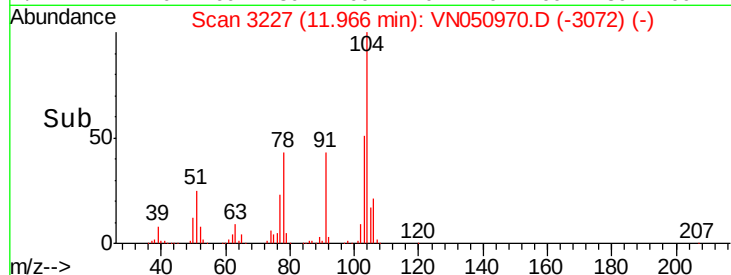
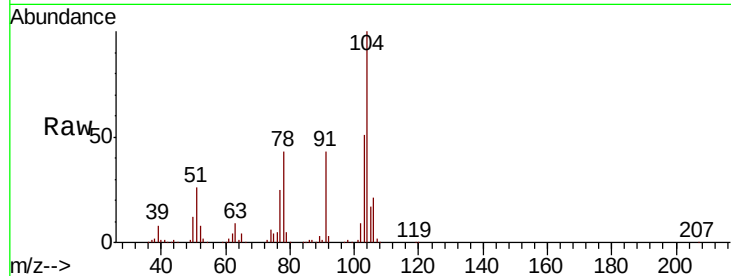




#69
Stvrene
Concen: 18.53 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

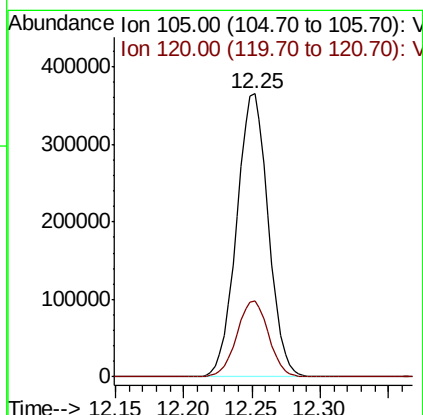
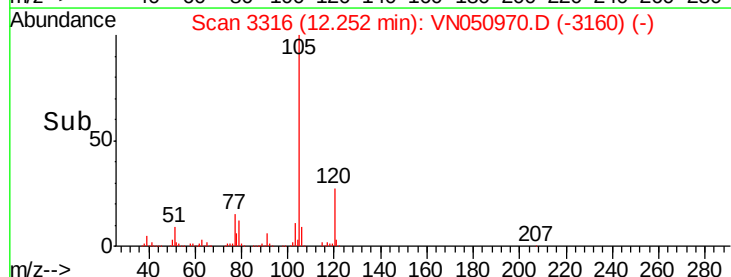
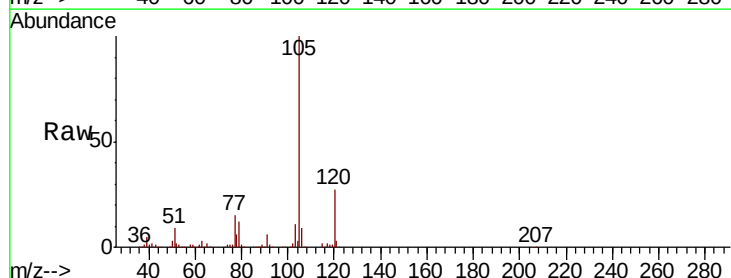
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

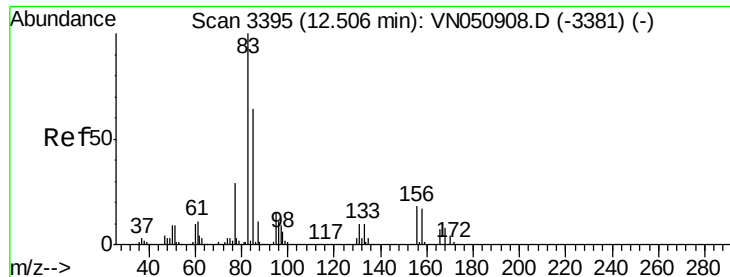
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.4	38.6	58.0
103	55.6	45.4	68.2



#70
Isopropylbenzene
Concen: 18.62 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	18.6	34.6

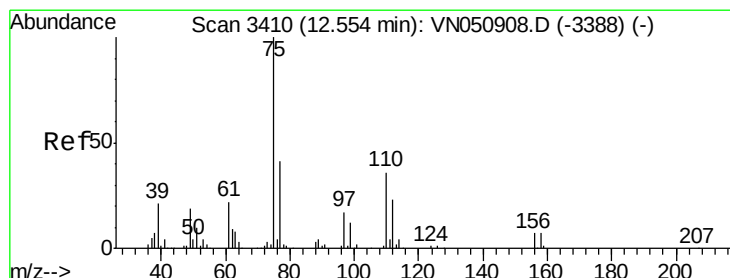
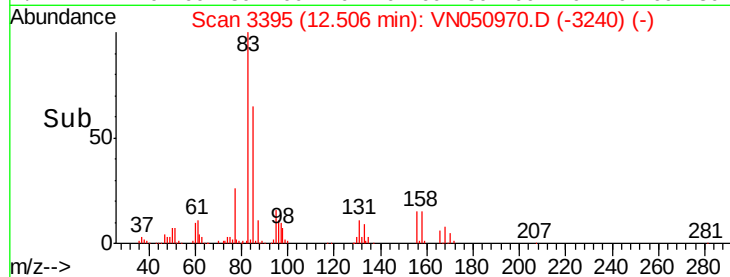
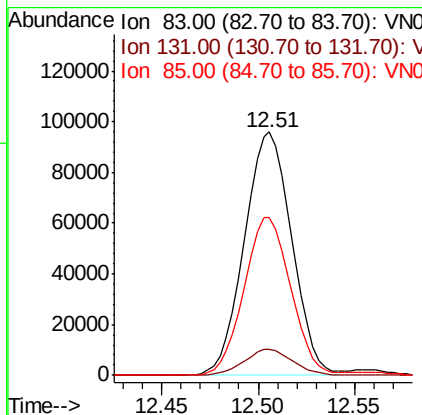
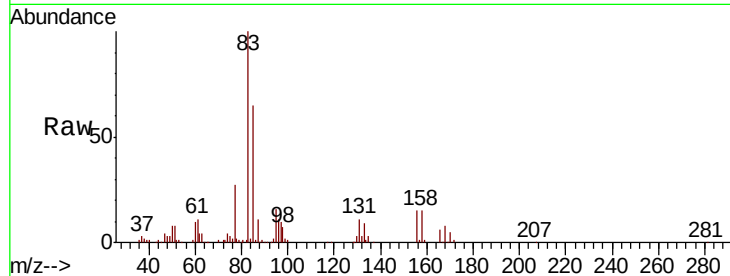




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.11 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

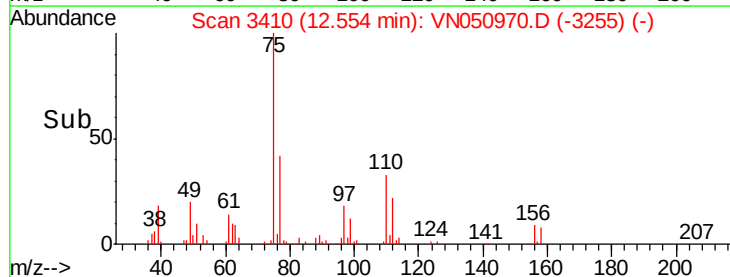
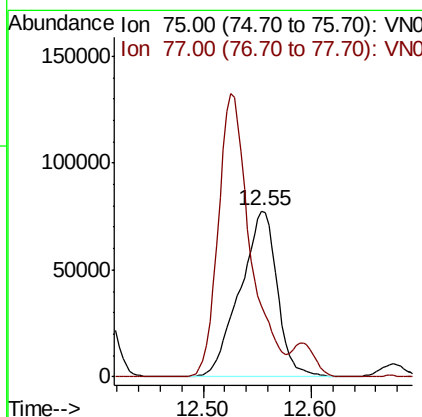
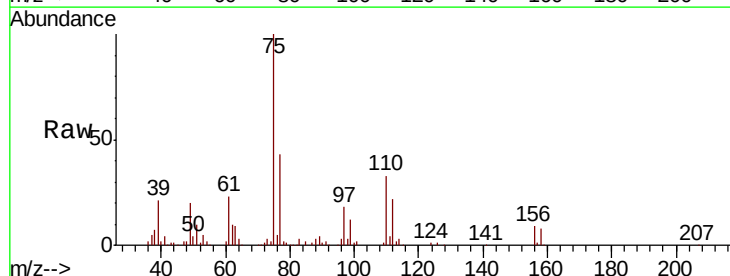
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

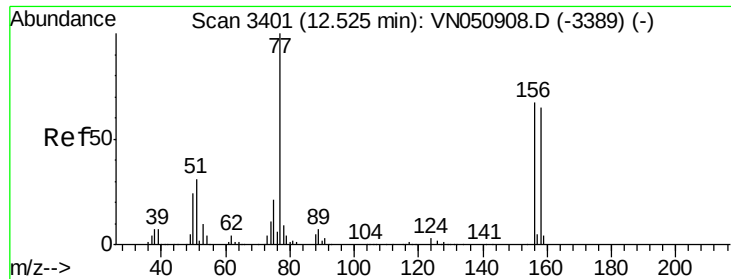
Tot Ion	83	Resp	163329
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.9
85	64.0	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 25.20 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion	75	Resp	185785
Ion Ratio	Lower	Upper	
75	100		
77	146.8	0.0	301.6





#73

Bromobenzene

Concen: 18.40 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

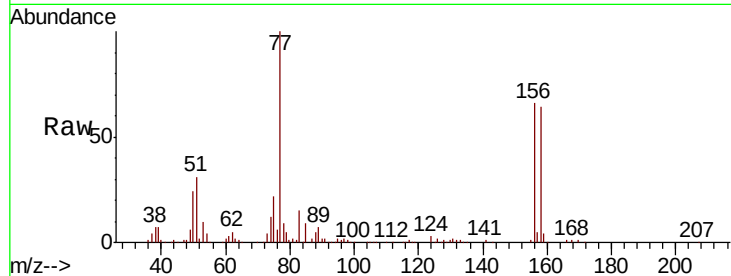
Tot Ion:156 Resp: 152844

Ion Ratio Lower Upper

156 100

77 178.4 0.0 359.4

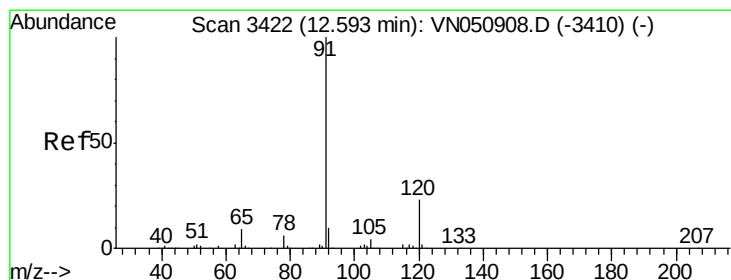
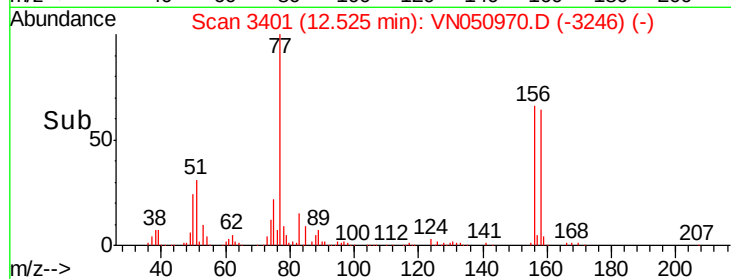
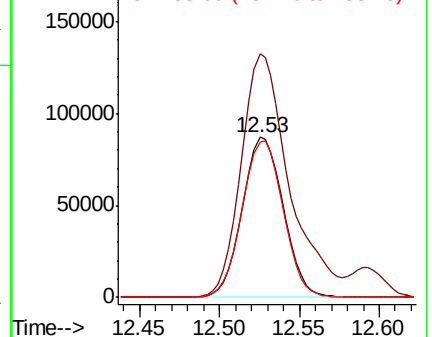
158 97.4 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.22 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050970.D

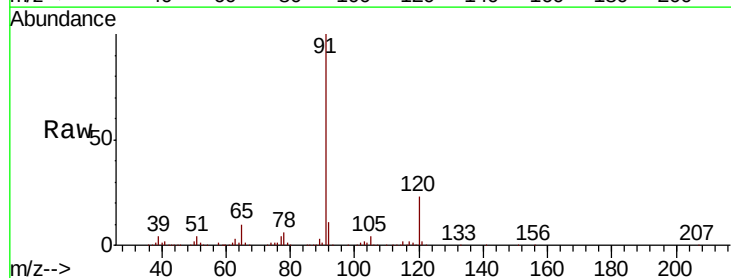
Acq: 30 Aug 2018 18:20

Tgt Ion: 91 Resp: 650303

Ion Ratio Lower Upper

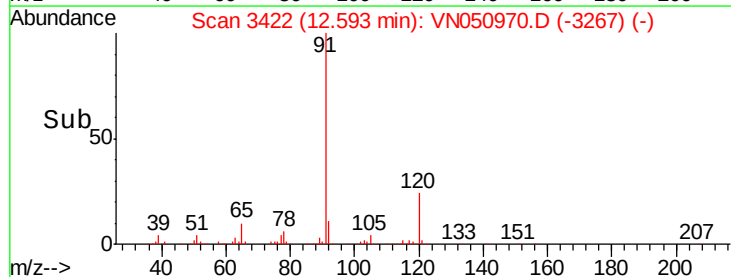
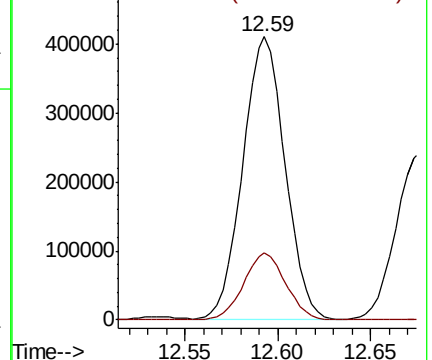
91 100

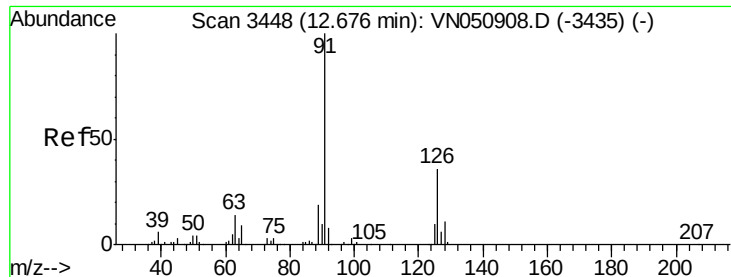
120 23.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.73 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

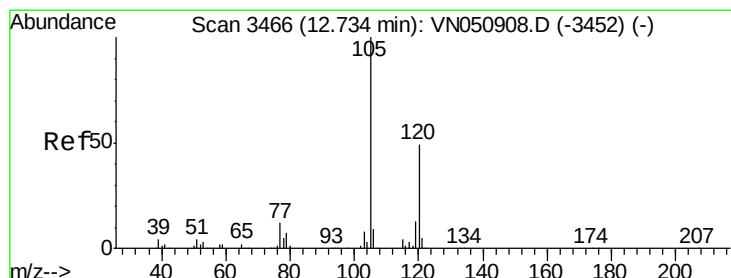
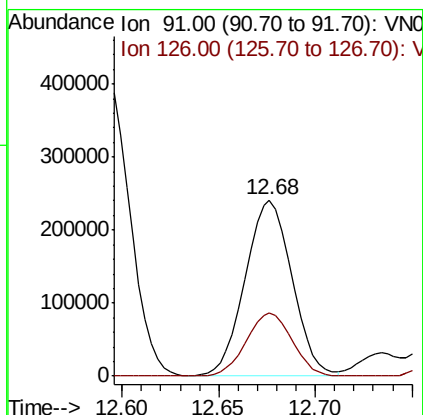
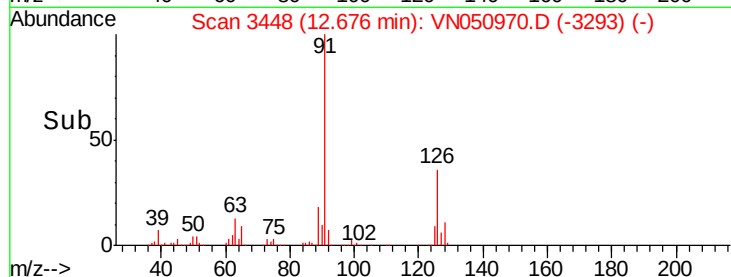
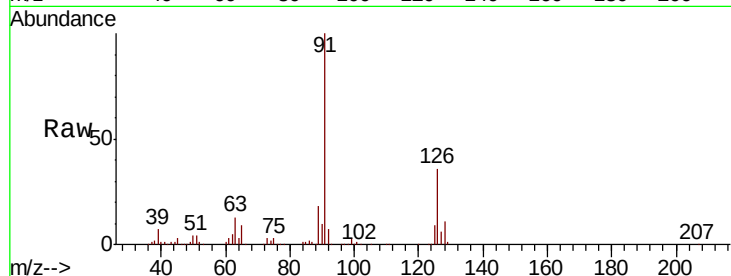
VSTDCCC020

Tot Ion: 91 Resp: 406019

Ion Ratio Lower Upper

91 100

126 35.3 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 18.50 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050970.D

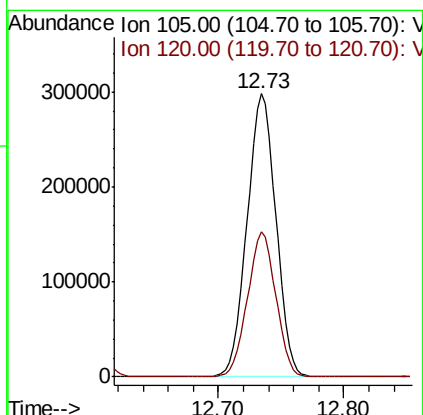
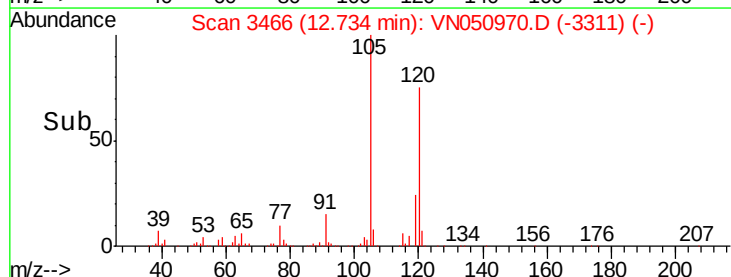
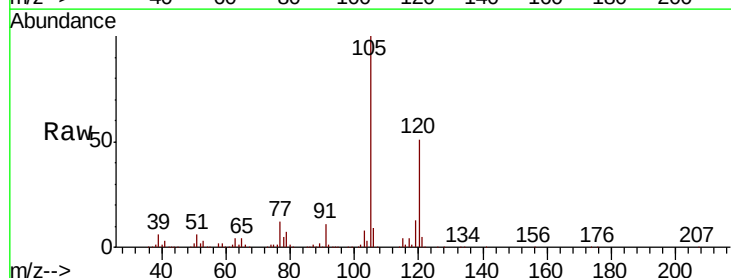
Acq: 30 Aug 2018 18:20

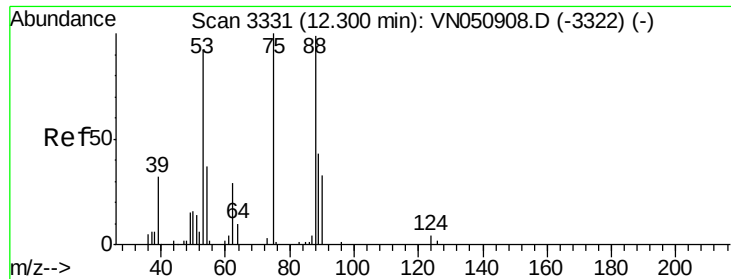
Tgt Ion: 105 Resp: 477103

Ion Ratio Lower Upper

105 100

120 50.4 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.83 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

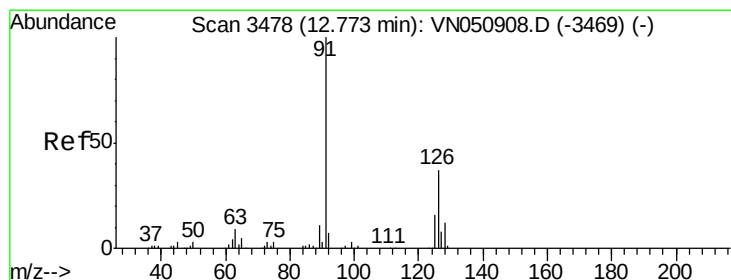
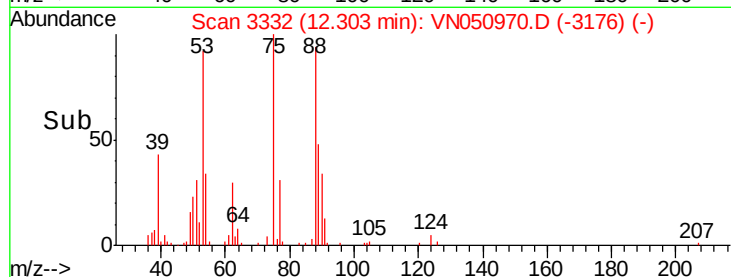
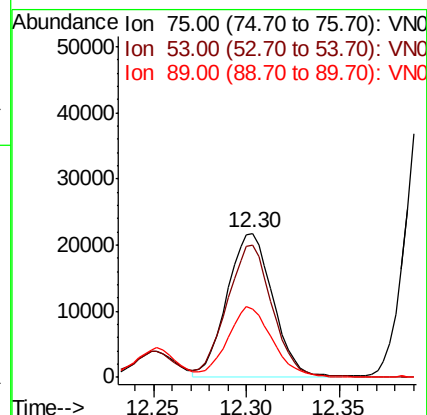
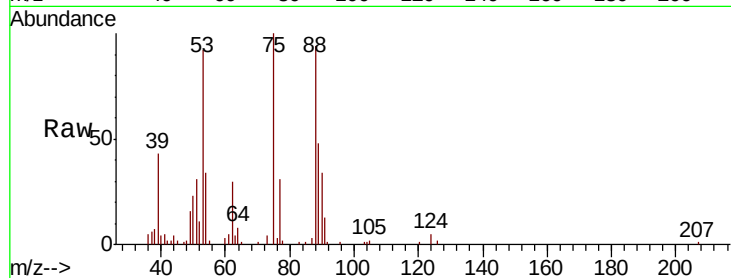
Tot Ion: 75 Resp: 37453

Ion Ratio Lower Upper

75 100

53 92.3 45.5 136.4

89 48.2 21.9 65.8



#78

4-Chlorotoluene

Concen: 18.23 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050970.D

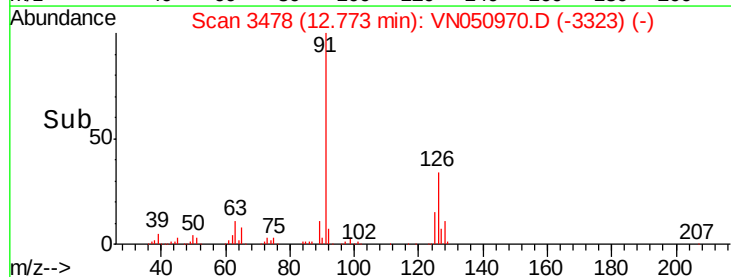
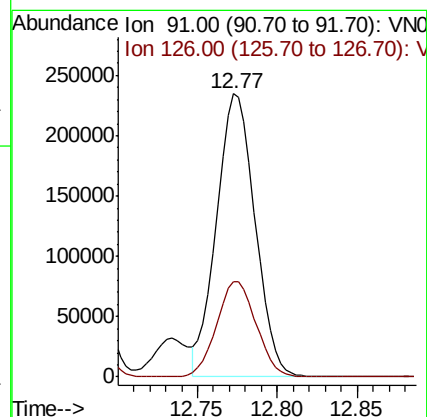
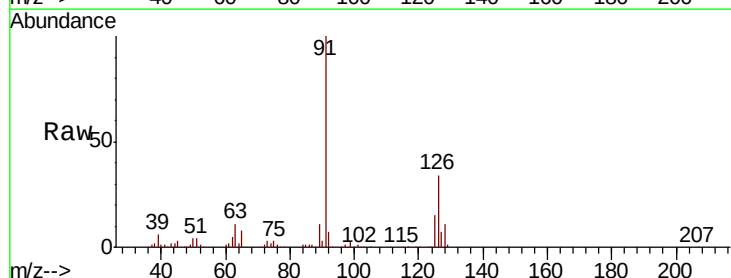
Acq: 30 Aug 2018 18:20

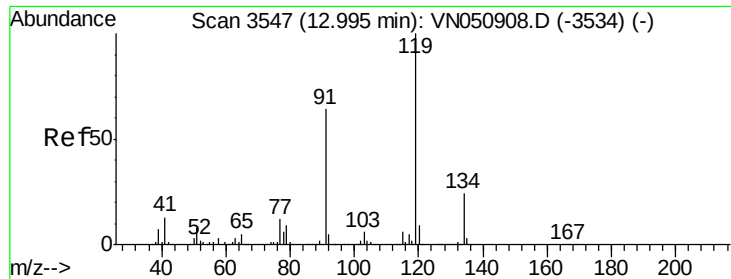
Tgt Ion: 91 Resp: 389091

Ion Ratio Lower Upper

91 100

126 34.6 0.0 69.8

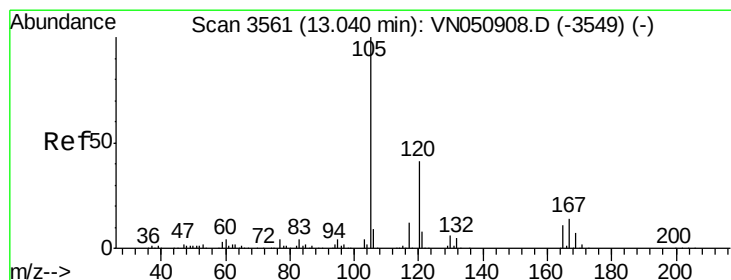
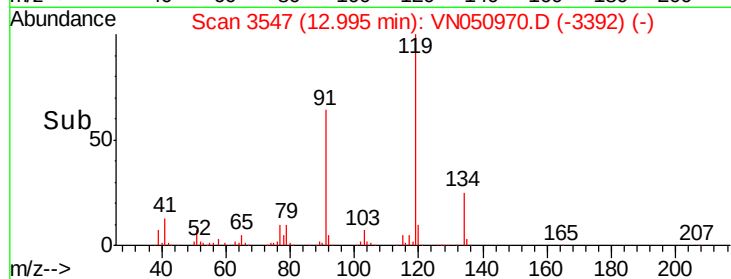
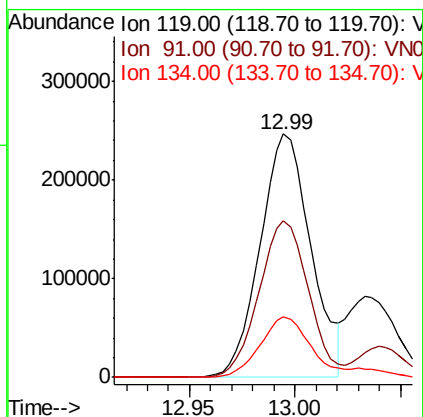
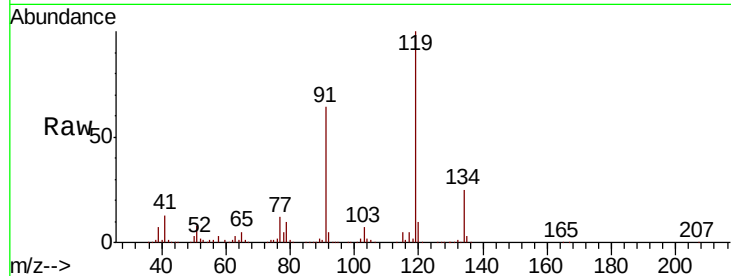




#79
 tert-butylbenzene
 Concen: 18.54 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

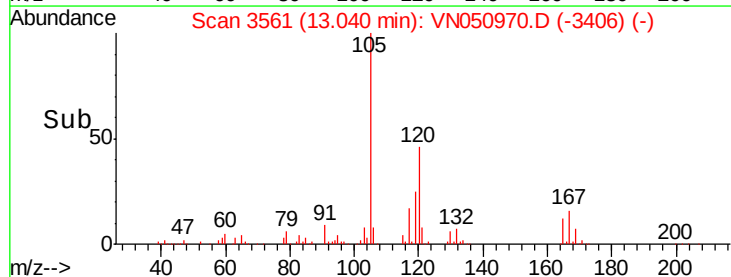
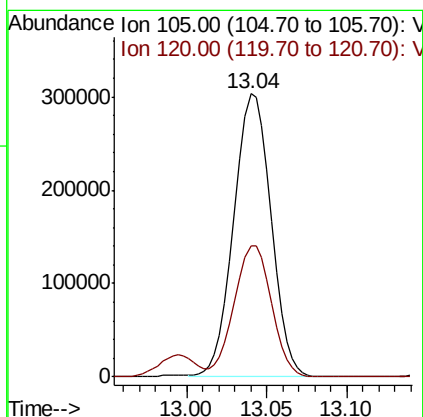
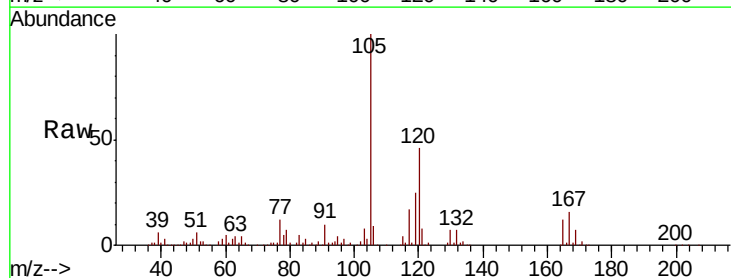
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

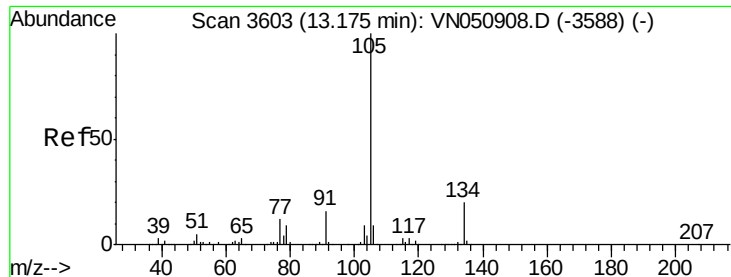
Tot Ion:119 Resp: 415262
 Ion Ratio Lower Upper
 119 100
 91 62.7 0.0 125.6
 134 24.4 0.0 48.4



#80
 1,2,4-Trimethylbenzene
 Concen: 18.75 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion:105 Resp: 482158
 Ion Ratio Lower Upper
 105 100
 120 46.1 0.0 93.6

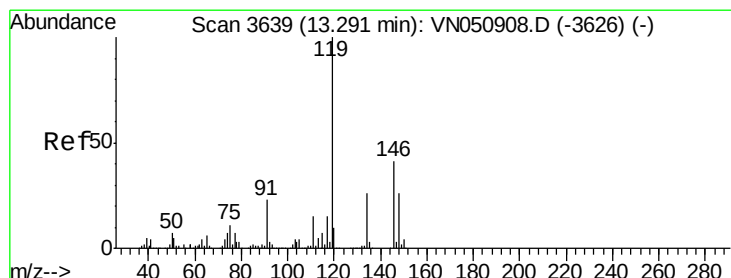
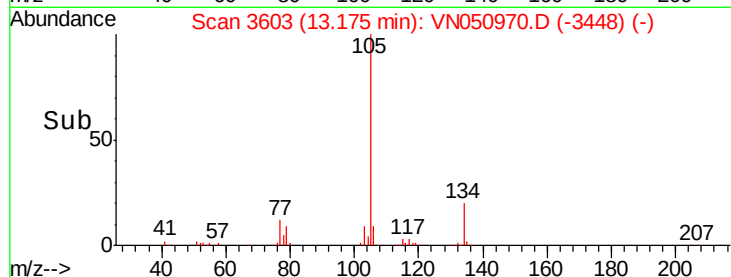
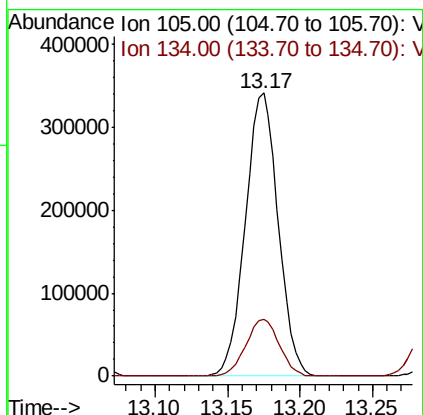
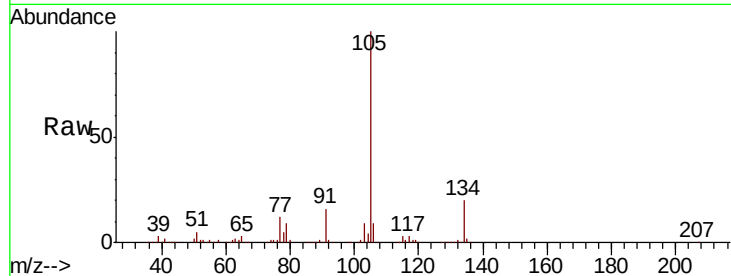




#81
 sec-Butylbenzene
 Concen: 18.31 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

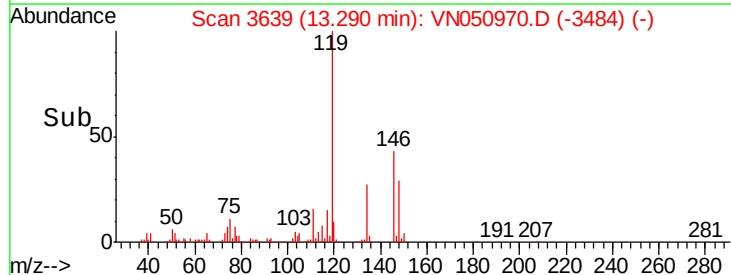
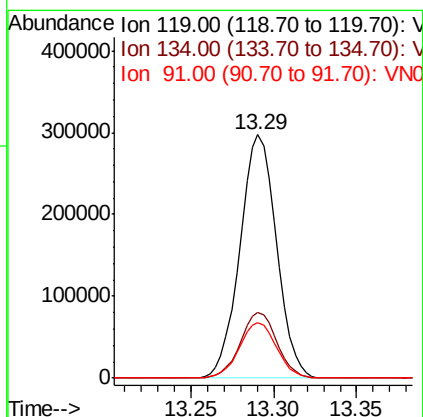
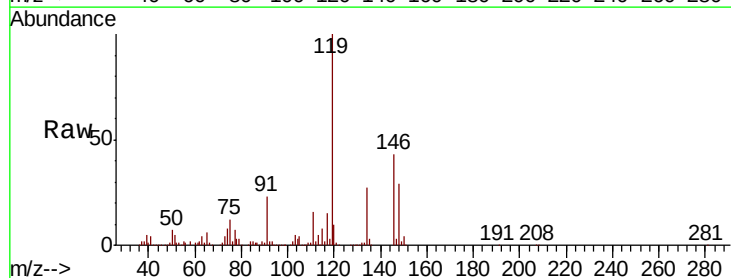
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

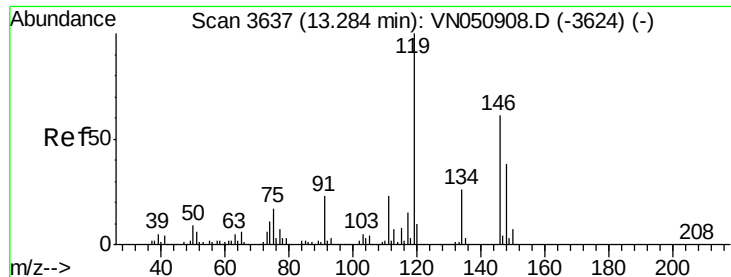
Tot Ion:105 Resp: 536673
 Ion Ratio Lower Upper
 105 100
 134 20.5 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 18.03 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion:119 Resp: 456045
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.2
 91 23.2 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 18.04 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

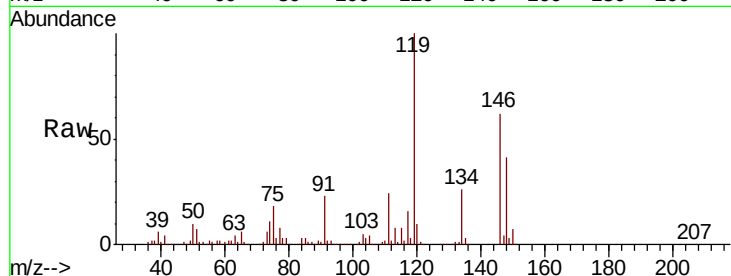
Tot Ion:146 Resp: 253324

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.6

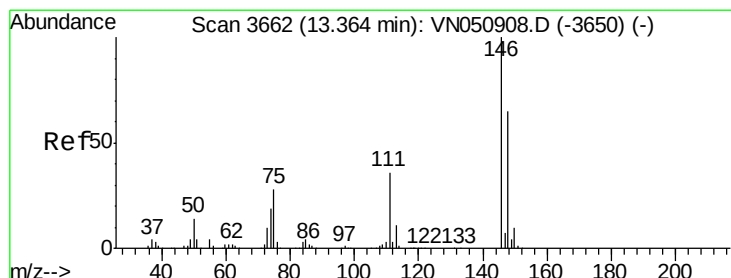
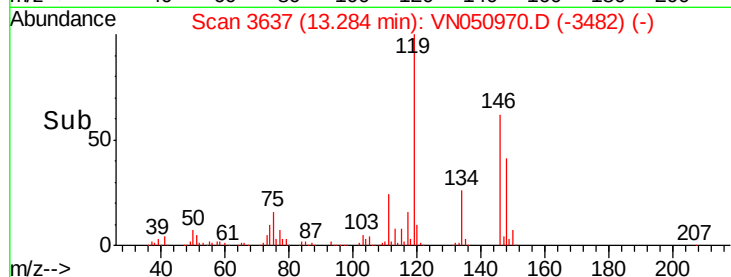
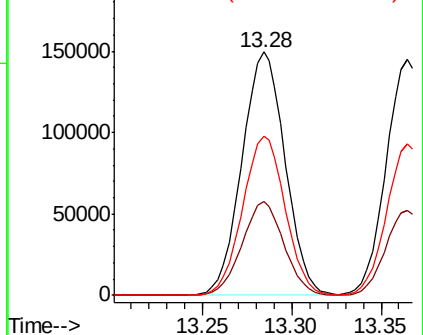
148 64.4 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 17.90 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

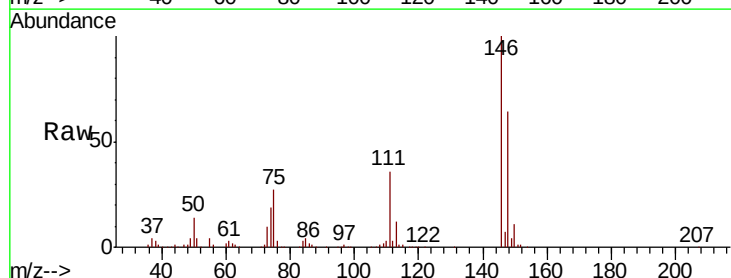
Tgt Ion:146 Resp: 238164

Ion Ratio Lower Upper

146 100

111 36.7 17.7 53.1

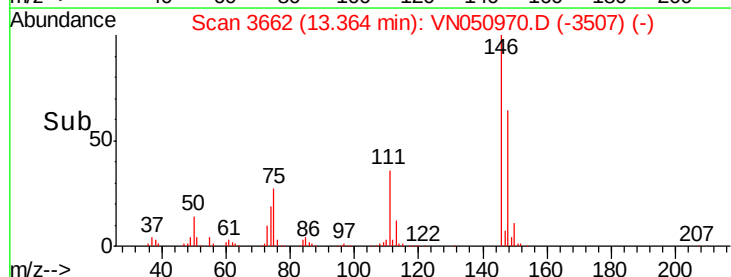
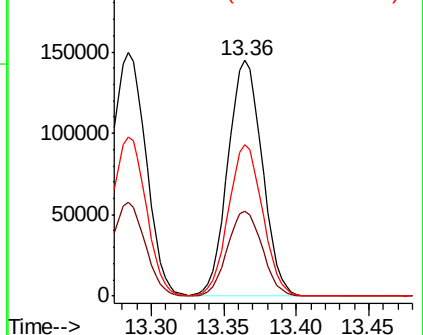
148 64.0 31.6 94.8

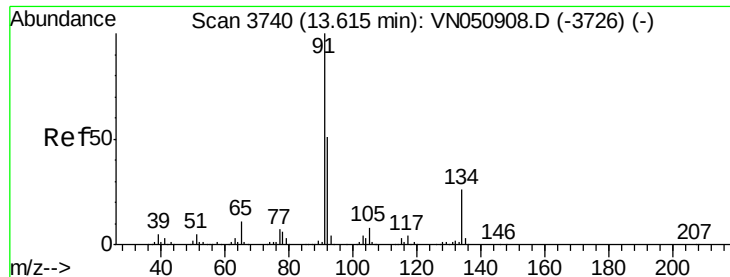


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

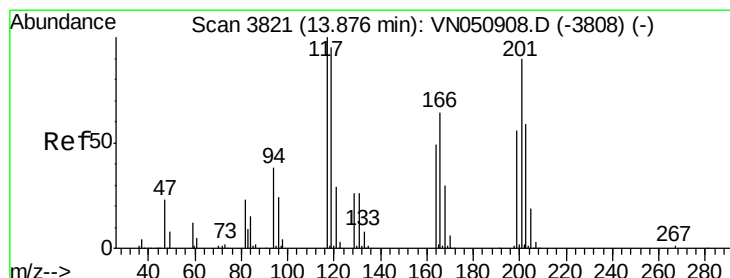
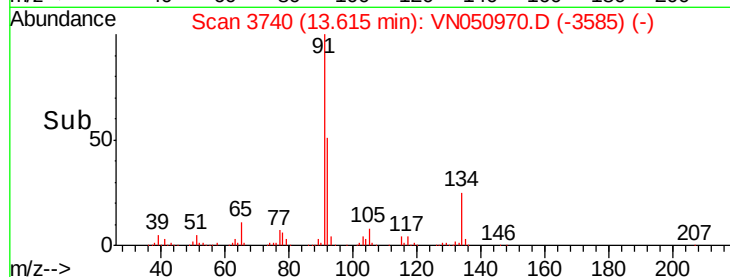
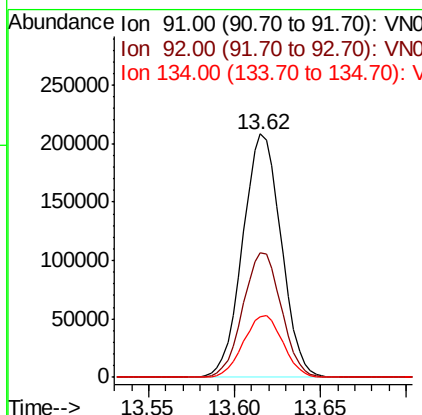
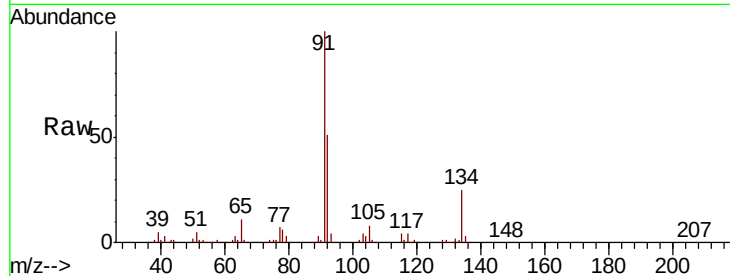




#85
n-Butylbenzene
Concen: 16.80 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

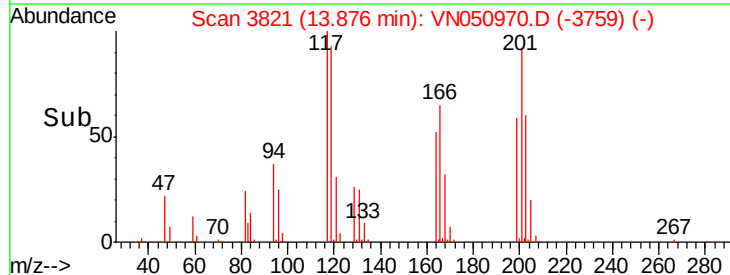
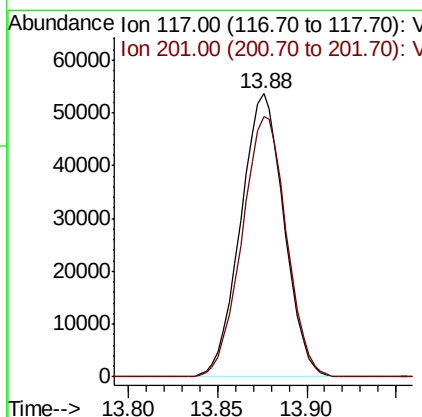
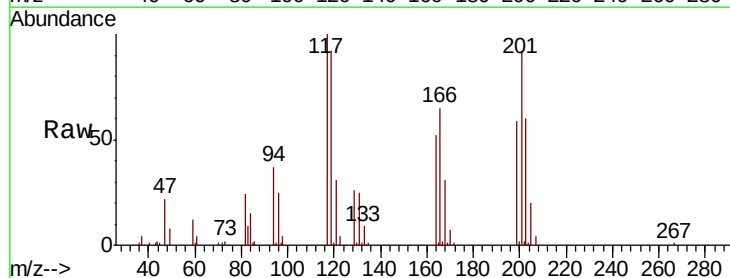
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

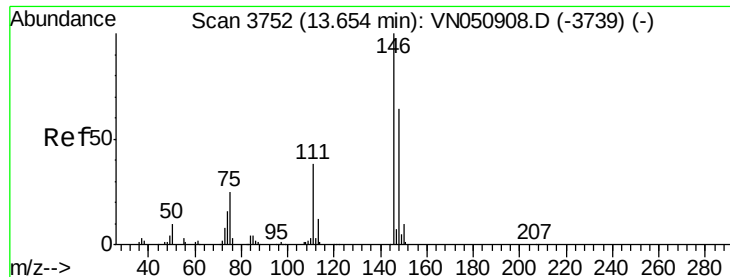
Tot Ion: 91 Resp: 324338
Ion Ratio Lower Upper
91 100
92 51.1 0.0 101.8
134 25.8 0.0 52.2



#86
Hexachloroethane
Concen: 18.78 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion: 117 Resp: 91187
Ion Ratio Lower Upper
117 100
201 93.9 45.8 137.4





#87

1,2-Dichlorobenzene

Concen: 18.33 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

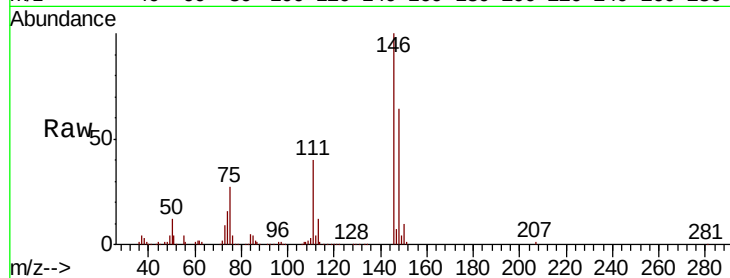
Tot Ion:146 Resp: 253336

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.1

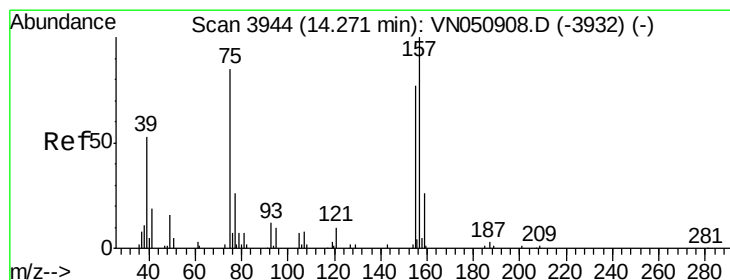
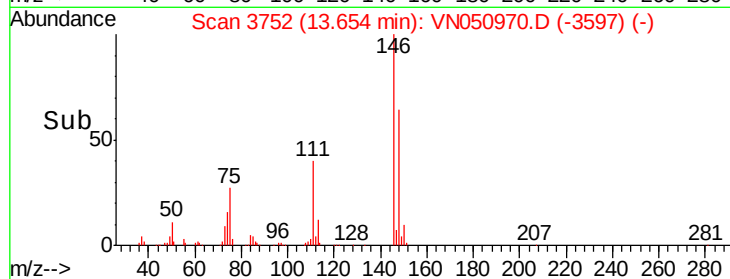
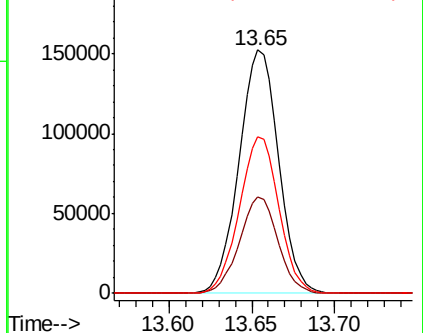
148 63.9 31.9 95.9



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: 18.40 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050970.D

Acq: 30 Aug 2018 18:20

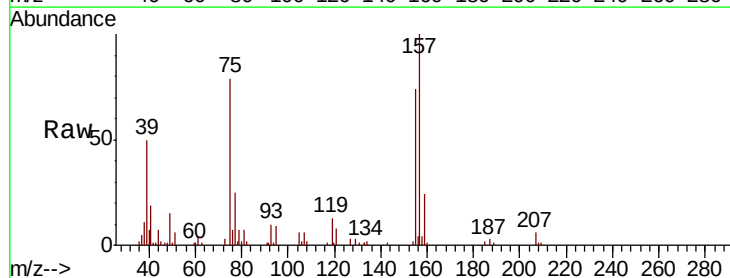
Tgt Ion: 75 Resp: 21993

Ion Ratio Lower Upper

75 100

155 93.2 71.8 107.6

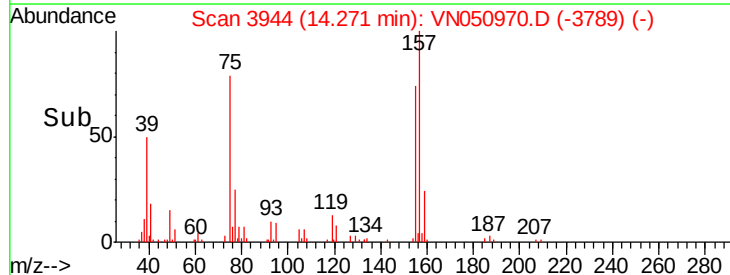
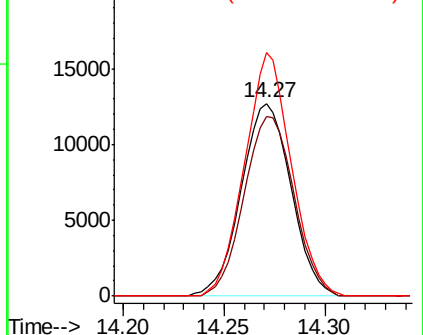
157 118.0 91.1 136.7

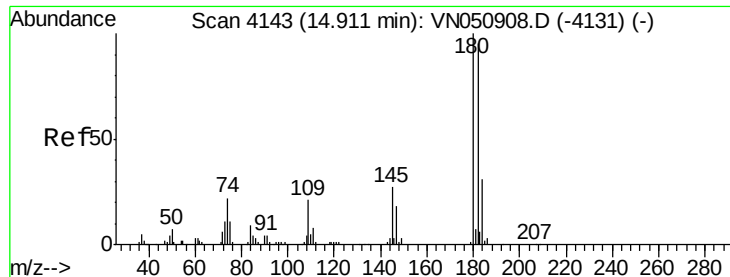


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

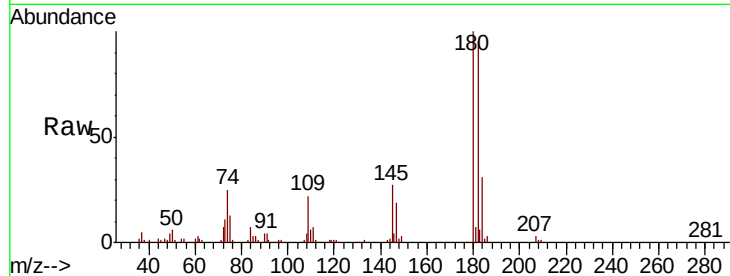




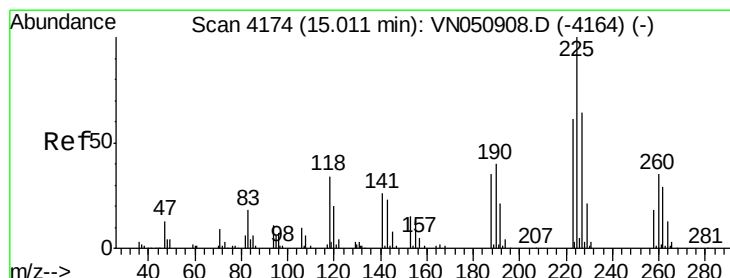
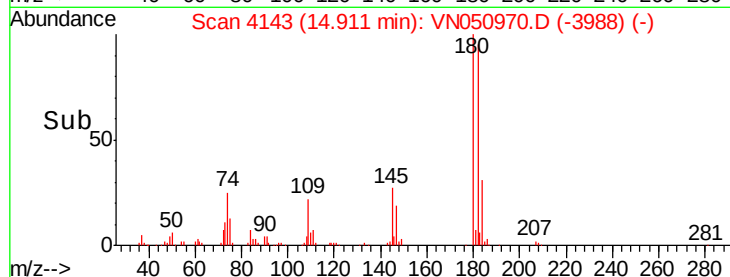
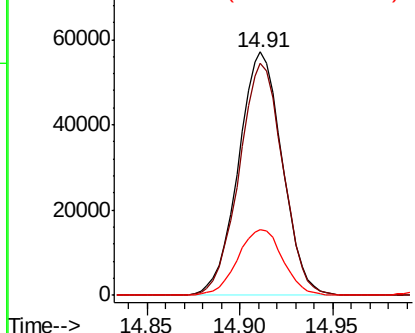
#89
 1,2,4-Trichlorobenzene
 Concen: 15.26 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:180 Resp: 93859
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.2 114.4
 145 27.8 22.2 33.4

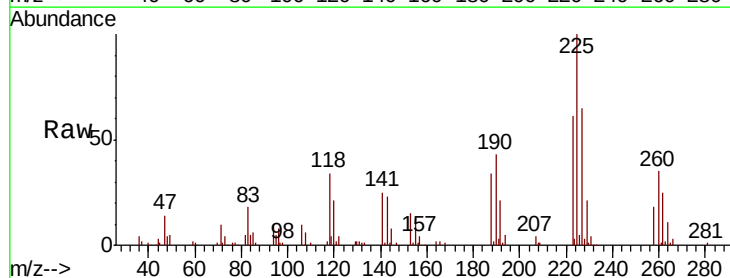


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

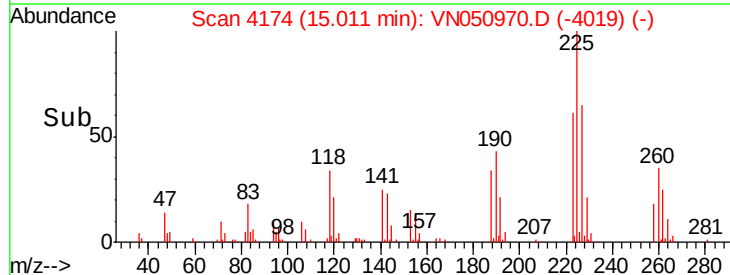
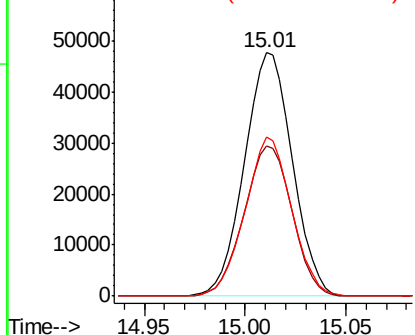


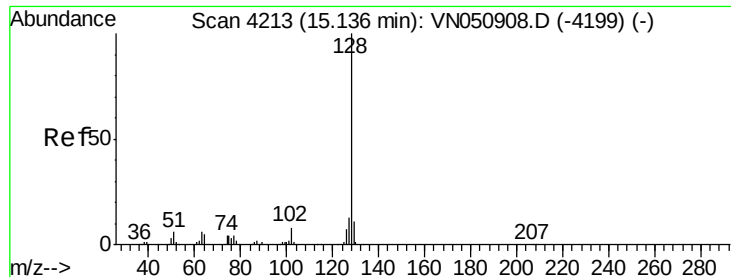
#90
 Hexachlorobutadiene
 Concen: 18.93 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050970.D
 Acq: 30 Aug 2018 18:20

Tgt Ion:225 Resp: 79116
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 127.8
 227 63.3 0.0 128.4



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

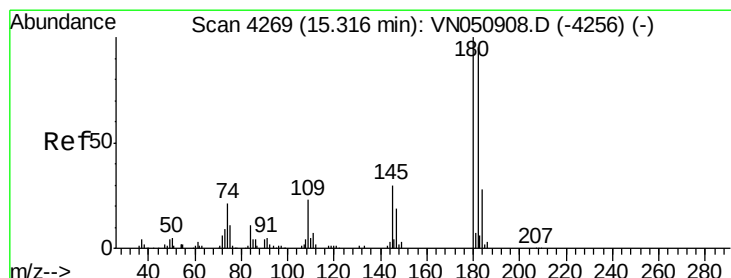
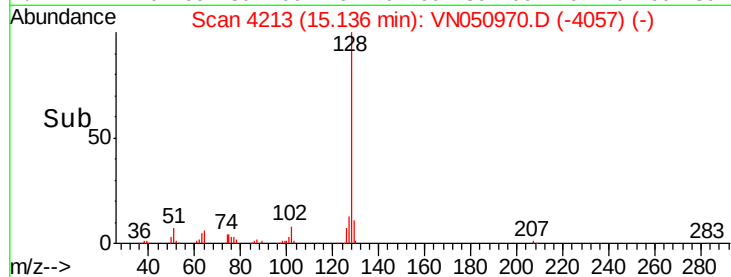
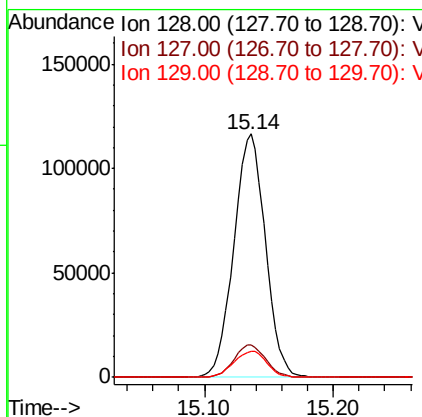
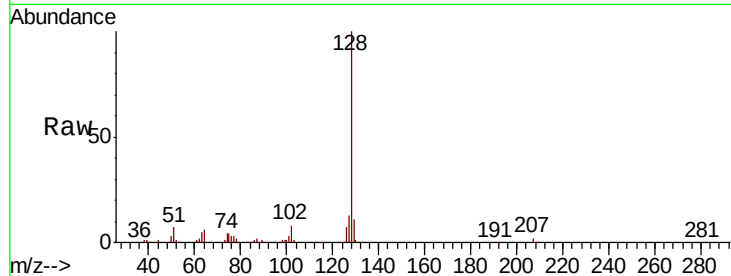




#91
Naphthalene
Concen: 18.90 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 198487
Ion Ratio Lower Upper
128 100
127 13.3 10.6 16.0
129 11.2 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 16.43 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050970.D
Acq: 30 Aug 2018 18:20

Tgt Ion:180 Resp: 101418
Ion Ratio Lower Upper
180 100
182 95.0 0.0 192.8
145 29.6 0.0 60.0

