

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053466.D
 Acq On : 18 Jan 2019 12:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 19 00:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	131059	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	735236	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	655724	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	247723	29.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.17%
60) 4-Bromofluorobenzene	12.40	95	305507	30.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.50%
63) Toluene-d8	10.09	98	885582	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	128017	14.660	ug/l 98
3) Chloromethane	2.06	50	166705	16.266	ug/l 98
4) Vinyl Chloride	2.19	62	170104	16.866	ug/l 96
5) Bromomethane	2.57	94	115202	17.717	ug/l 99
6) Chloroethane	2.71	64	100186	17.245	ug/l 99
7) Trichlorofluoromethane	3.03	101	234321	18.814	ug/l 98
8) Diethyl Ether	3.41	74	87191	18.843	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	143626	18.354	ug/l 94
10) 1,1-Dichloroethene	3.74	96	138103	18.085	ug/l 94
11) Methyl Iodide	3.96	142	207591	18.562	ug/l 99
12) Methyl Acetate	4.33	43	125721	21.122	ug/l 98
13) Acrolein	3.61	56	68025	95.725	ug/l 99
14) Acrylonitrile	4.99	53	270115	101.442	ug/l 99
15) Acetone	3.82	58	67533	119.336	ug/l 93
16) Carbon Disulfide	4.06	76	388418	16.534	ug/l 100
17) Allyl chloride	4.33	41	221930	18.474	ug/l 98
18) Methylene Chloride	4.56	84	163114	18.663	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	151733	18.801	ug/l 90
20) Diisopropyl ether	5.95	45	483329	18.786	ug/l 98
21) 1,1-Dichloroethane	5.86	63	281461	18.790	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	171346	18.848	ug/l 96
23) tert-Butyl Alcohol	4.78	59	39316	87.588	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	383108	19.239	ug/l 97
25) Chloroform	7.37	83	279028	19.379	ug/l 99
26) Cyclohexane	7.66	56	244929	17.530	ug/l # 94
29) 1,1-Dichloropropene	7.79	75	209148	18.779	ug/l 98
30) 2-Butanone	6.84	43	302808	108.982	ug/l 98
31) 2,2-Dichloropropane	6.83	77	208166	19.308	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	232856	19.956	ug/l 97
33) Carbon Tetrachloride	7.78	117	200481	19.628	ug/l 98
34) Benzene	8.04	78	651209	19.456	ug/l 99
35) Methacrylonitrile	7.18	41	67477	18.820	ug/l 96
36) 1,2-Dichloroethane	8.12	62	194354	20.002	ug/l 99
37) Trichloroethene	8.84	130	178769	19.716	ug/l 93
38) Methylcyclohexane	9.08	83	251853	19.334	ug/l 97
39) 1,2-Dichloropropane	9.12	63	170325	19.488	ug/l 97
40) Dibromomethane	9.21	93	101469	20.529	ug/l 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053466.D
 Acq On : 18 Jan 2019 12:14
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 19 00:10:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	207866	19.583	ug/l	99
42) Vinyl Acetate	5.90	43	1530079	100.938	ug/l	97
43) Ethyl Acetate	6.93	43	129613	20.888	ug/l #	68
44) Isopropyl Acetate	8.17	43	236542	20.464	ug/l	96
45) 1,4-Dioxane	9.20	88	23028	325.798	ug/l	90
46) Methyl methacrylate	9.20	41	116745	19.993	ug/l	93
47) n-amyl Acetate	12.07	43	203986	20.095	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	211009	19.477	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	246757	19.343	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	145097	20.474	ug/l	99
51) Ethyl methacrylate	10.43	69	183370	19.853	ug/l	93
52) 1,3-Dichloropropane	10.71	76	245916	20.143	ug/l	100
53) Dibromochloromethane	10.90	129	160674	20.186	ug/l	97
54) 1,2-Dibromoethane	11.01	107	144878	20.264	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	514597	97.081	ug/l	98
56) Bromoform	12.13	173	109978	20.198	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	666468	106.663	ug/l	98
59) 2-Hexanone	10.75	43	452652	104.935	ug/l	96
61) Tetrachloroethene	10.63	164	196522	20.281	ug/l	96
62) Toluene	10.16	91	700530	19.480	ug/l	100
64) Chlorobenzene	11.43	112	440471	19.518	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	157853	19.941	ug/l	98
66) Ethyl Benzene	11.51	91	749862	19.228	ug/l	99
67) m/p-Xylenes	11.62	106	572325	38.803	ug/l	99
68) o-Xylene	11.95	106	283628	19.844	ug/l	96
69) Styrene	11.96	104	459826	19.710	ug/l	99
70) Isopropylbenzene	12.25	105	741603	19.721	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	167405	21.148	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	218516	31.522	ug/l	44
73) Bromobenzene	12.53	156	196379	20.316	ug/l	93
74) n-propylbenzene	12.59	91	851289	19.998	ug/l	98
75) 2-Chlorotoluene	12.68	91	504338	20.005	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	603380	20.227	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	48108	19.751	ug/l	95
78) 4-Chlorotoluene	12.77	91	508563	19.817	ug/l	99
79) tert-butylbenzene	12.99	119	535220	20.573	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	612904	20.500	ug/l	98
81) sec-Butylbenzene	13.17	105	730858	21.215	ug/l	100
82) p-Isopropyltoluene	13.29	119	633714	21.288	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	338532	20.569	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	331444	20.659	ug/l	99
85) n-Butylbenzene	13.62	91	521189	21.529	ug/l	99
86) Hexachloroethane	13.88	117	95227	20.036	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	331945	21.705	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21701	19.169	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	138439	18.651	ug/l	99
90) Hexachlorobutadiene	15.01	225	108188	24.079	ug/l	98
91) Naphthalene	15.13	128	234484	14.889	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	104361	15.759	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
Data File : VN053466.D
Acq On : 18 Jan 2019 12:14
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Jan 19 00:10:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

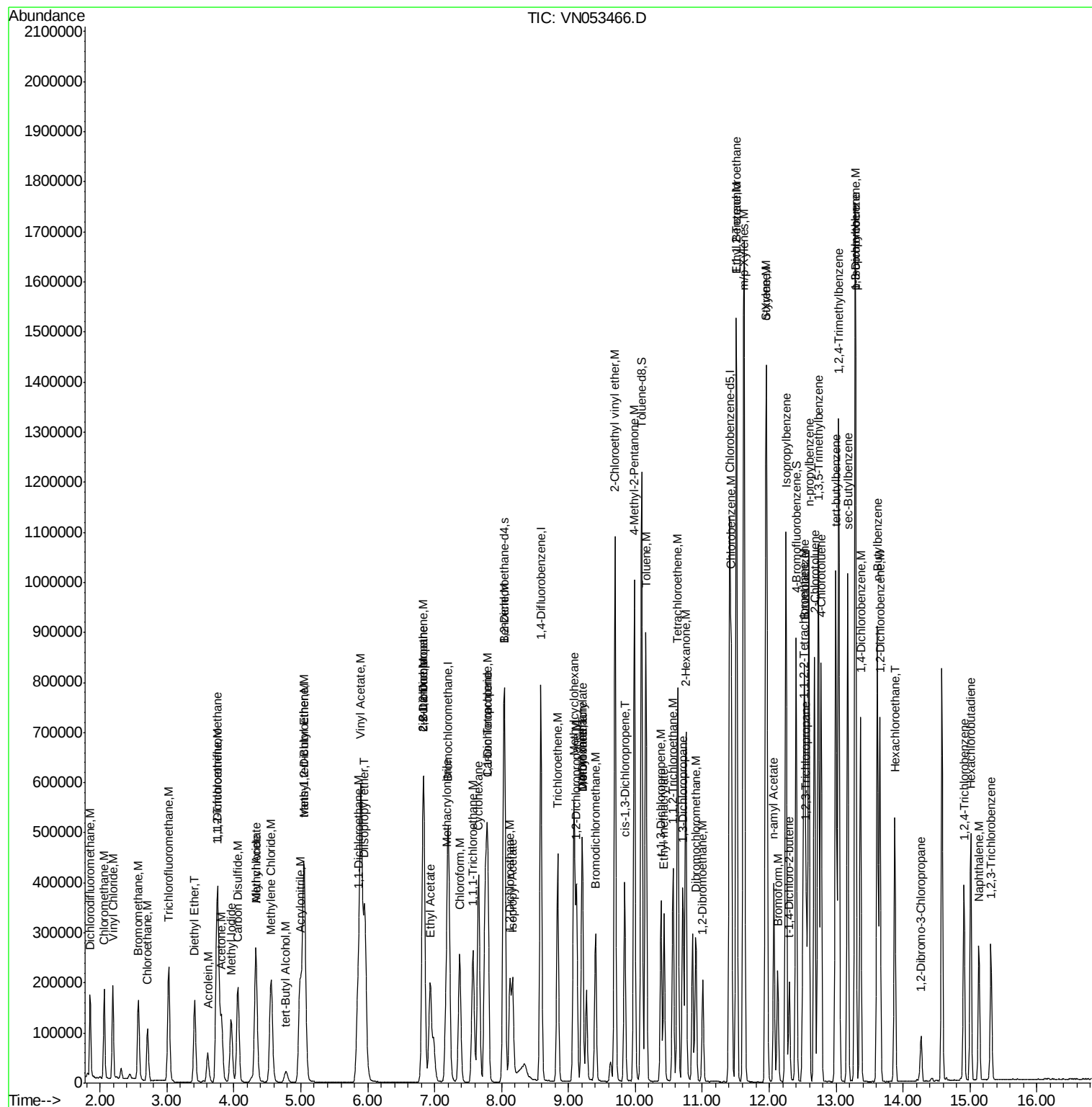
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

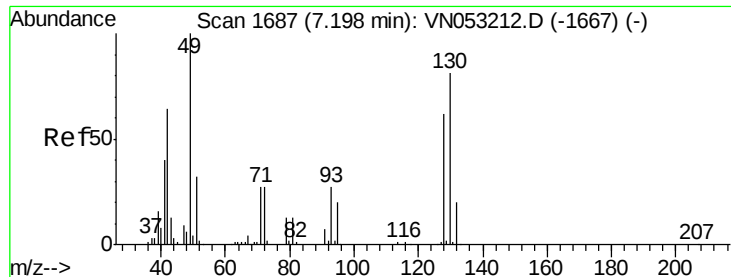
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
Data File : VN053466.D
Acq On : 18 Jan 2019 12:14
Operator : JC/SP
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Quant Time: Jan 19 00:10:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

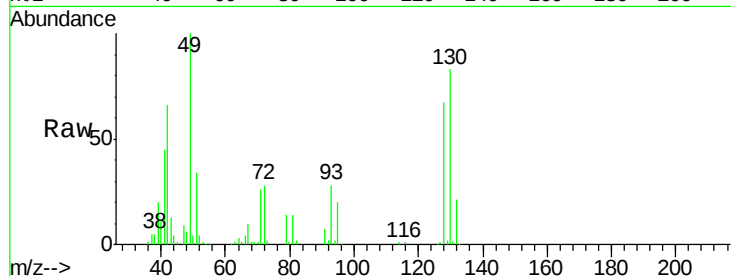
Tot Ion:128 Resp: 131059

Ion Ratio Lower Upper

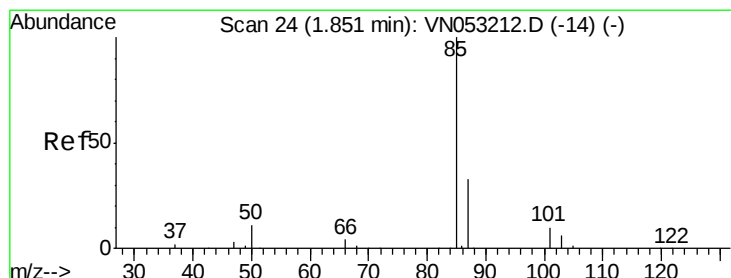
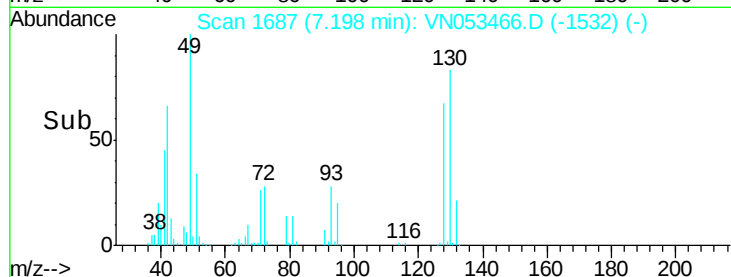
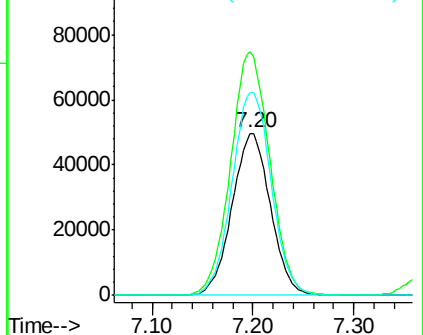
128 100

49 153.9 0.0 431.8

130 128.6 0.0 317.0



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



#2

Dichlorodifluoromethane

Concen: 14.660 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053466.D

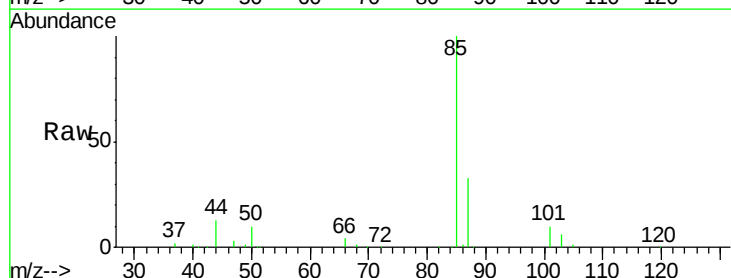
Acq: 18 Jan 2019 12:14

Tgt Ion: 85 Resp: 128017

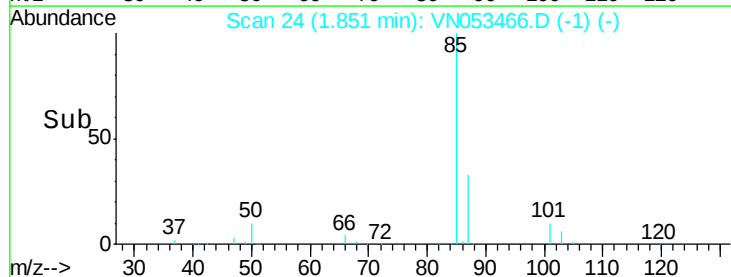
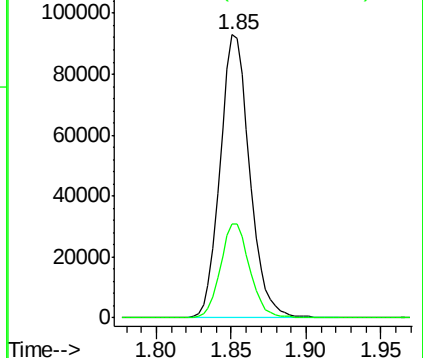
Ion Ratio Lower Upper

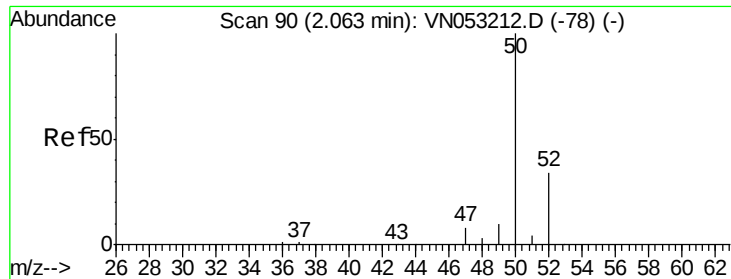
85 100

87 33.2 16.1 48.3



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

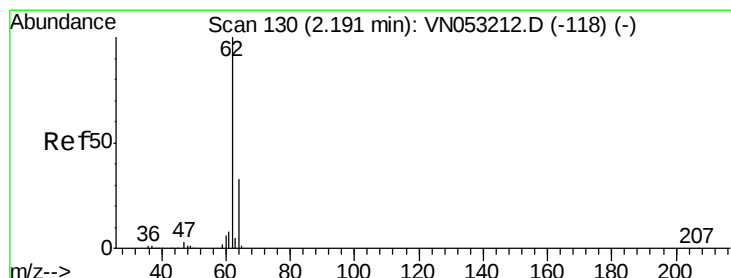
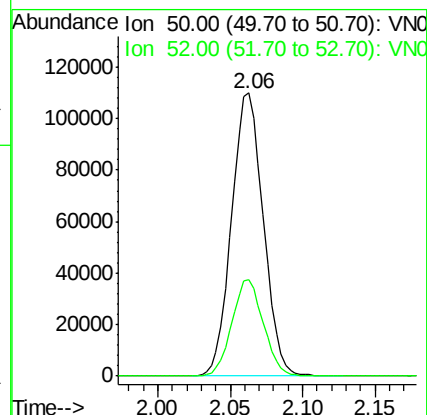
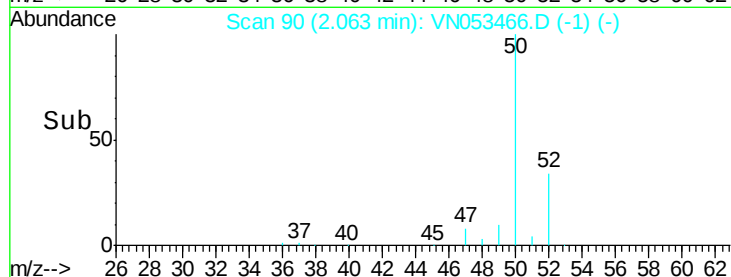
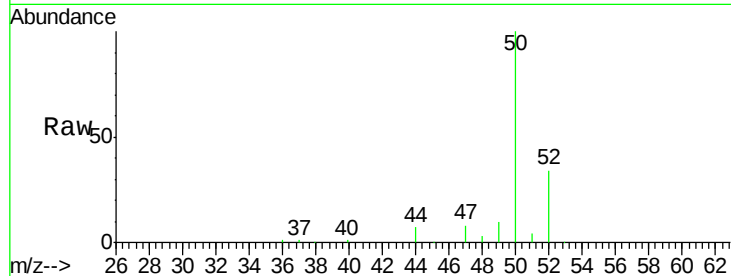




#3
Chloromethane
Concen: 16.266 ug/l
RT: 2.06 min Scan# 90
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

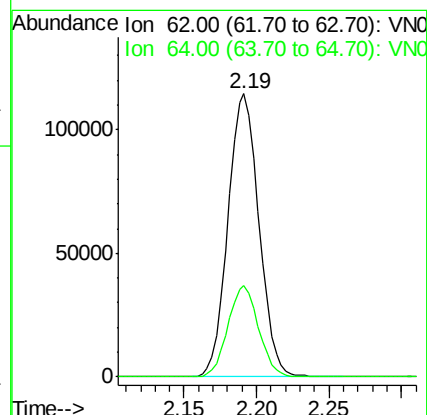
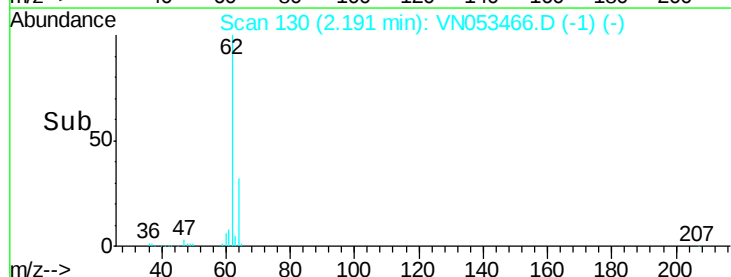
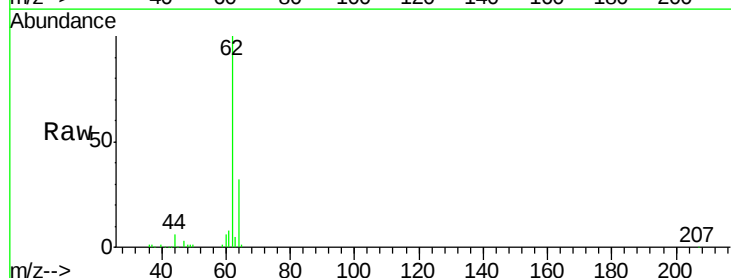
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

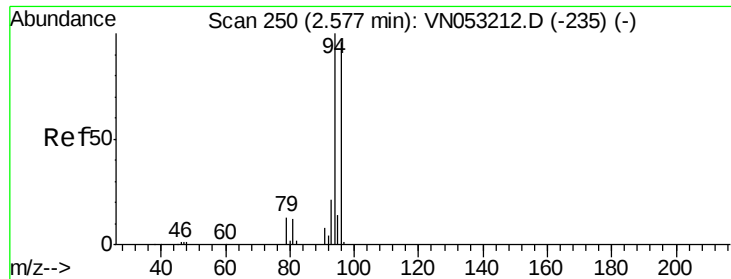
Tot Ion: 50 Resp: 166705
Ion Ratio Lower Upper
50 100
52 34.1 26.5 39.7



#4
Vinyl Chloride
Concen: 16.866 ug/l
RT: 2.19 min Scan# 130
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 62 Resp: 170104
Ion Ratio Lower Upper
62 100
64 32.4 24.2 36.4





#5

Bromomethane

Concen: 17.717 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

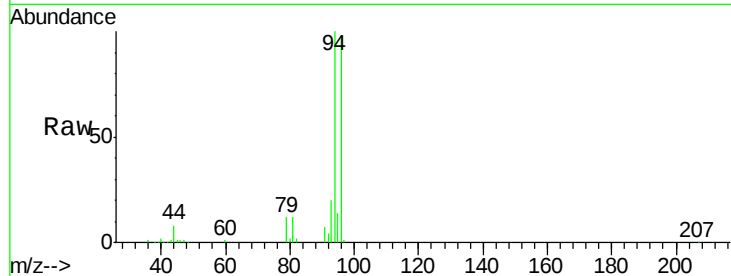
VSTDCCC020EC

Tot Ion: 94 Resp: 115202

Ion Ratio Lower Upper

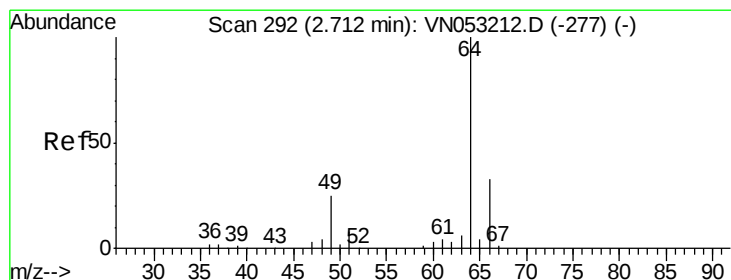
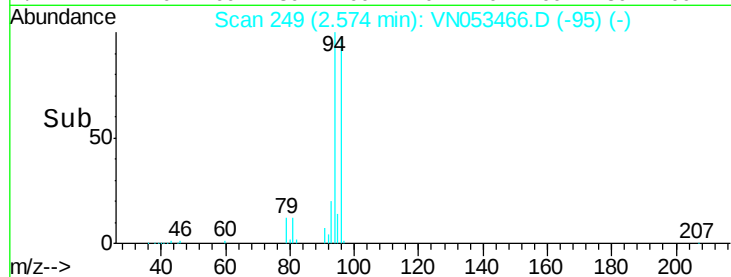
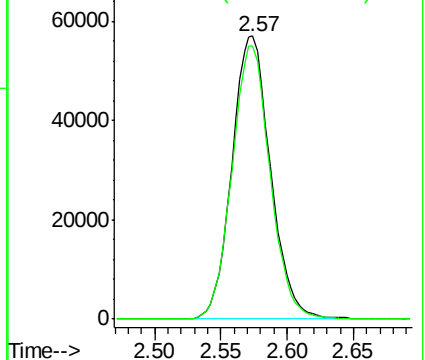
94 100

96 96.6 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.245 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053466.D

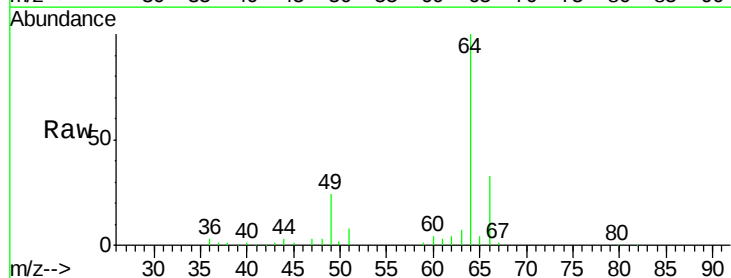
Acq: 18 Jan 2019 12:14

Tgt Ion: 64 Resp: 100186

Ion Ratio Lower Upper

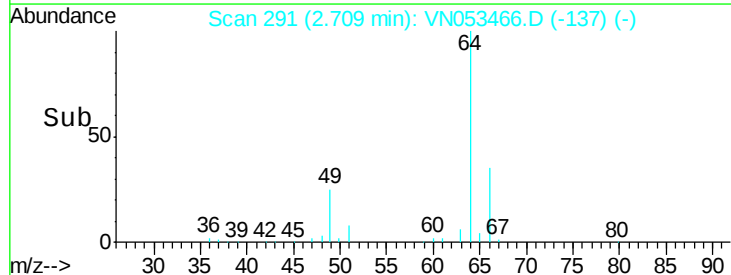
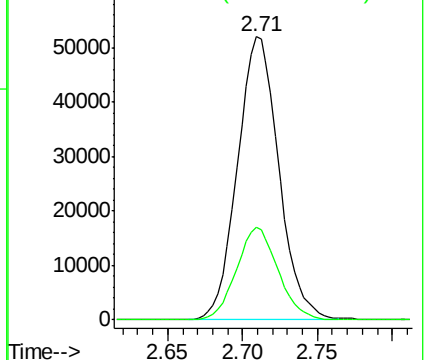
64 100

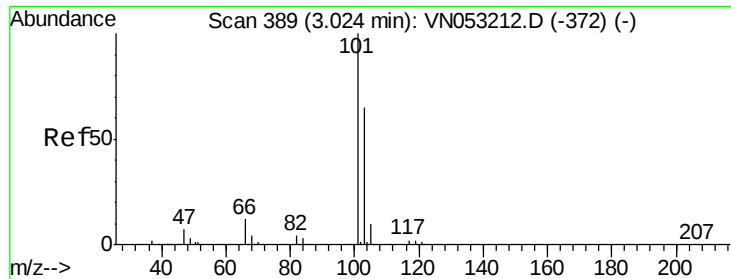
66 32.7 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



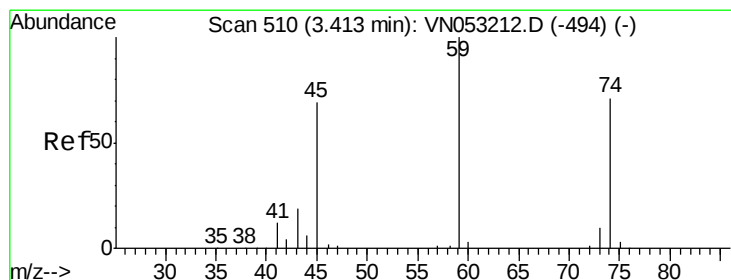
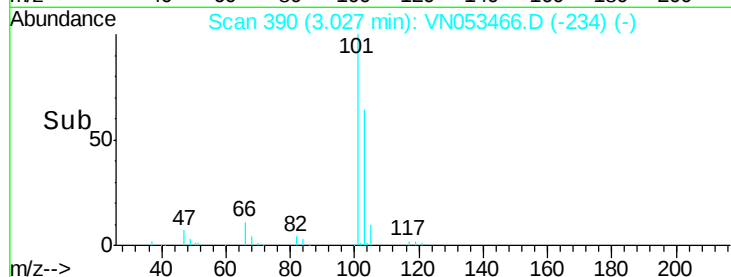
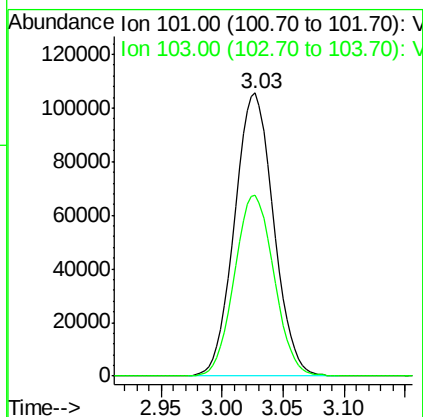
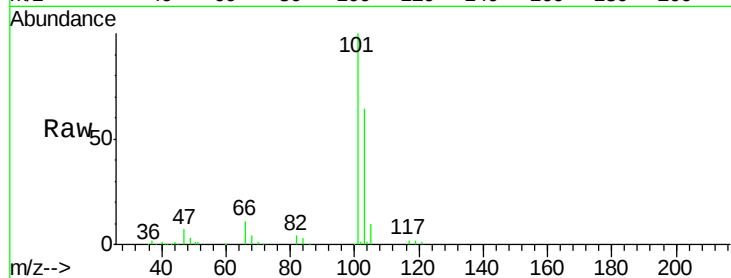


#7

Trichlorofluoromethane
 Concen: 18.814 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

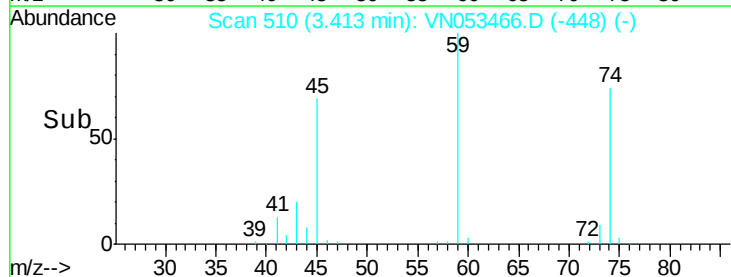
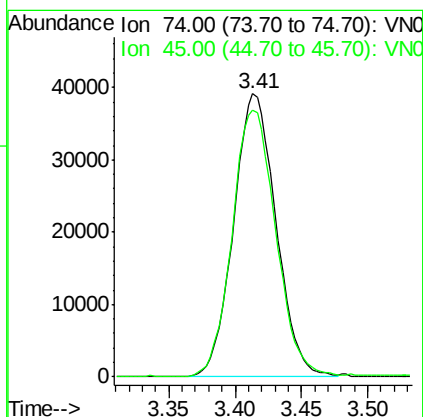
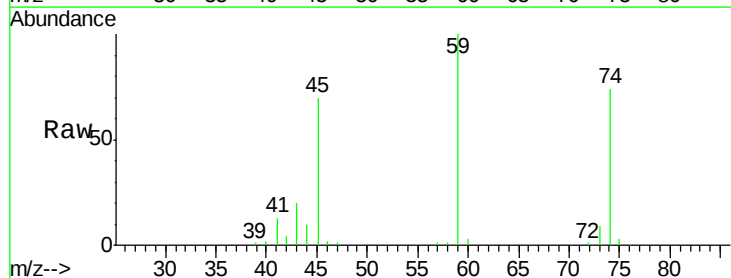
Tot Ion:101 Resp: 234321
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.1 78.1

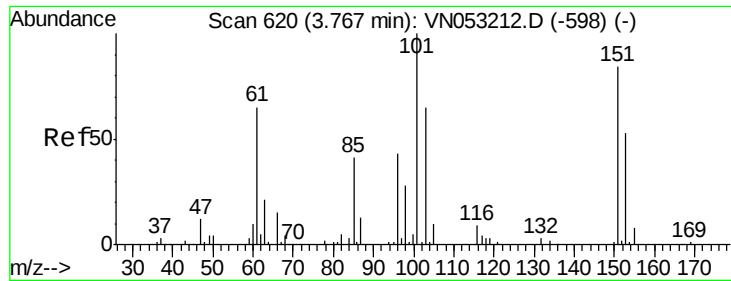


#8

Diethyl Ether
 Concen: 18.843 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 74 Resp: 87191
 Ion Ratio Lower Upper
 74 100
 45 97.0 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.354 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

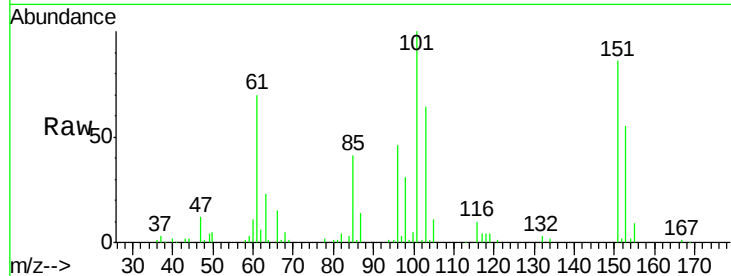
Tot Ion:101 Resp: 143626

Ion Ratio Lower Upper

101 100

85 42.6 0.0 82.6

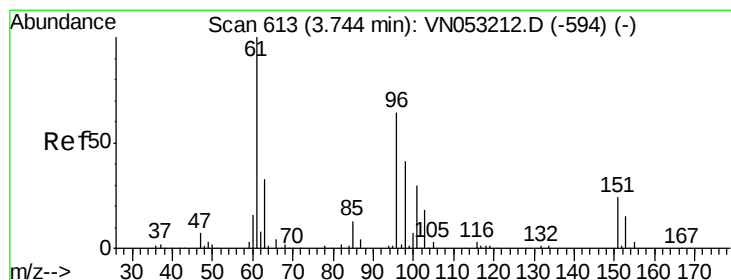
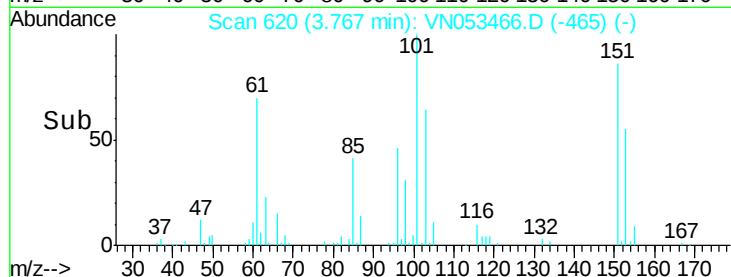
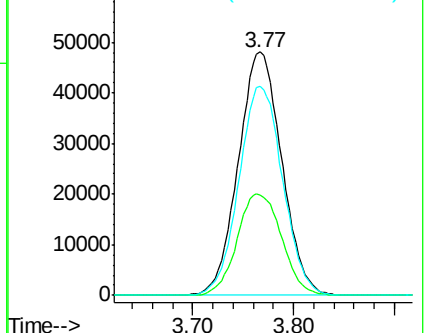
151 86.6 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.085 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

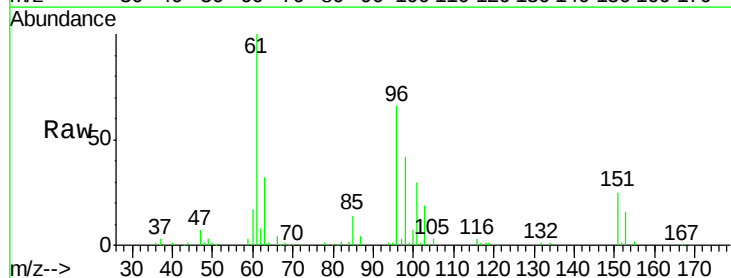
Tgt Ion: 96 Resp: 138103

Ion Ratio Lower Upper

96 100

61 151.6 129.4 194.2

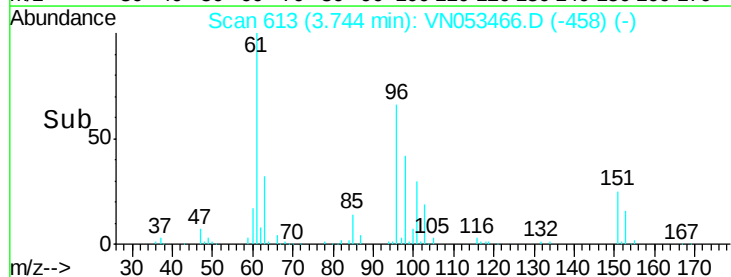
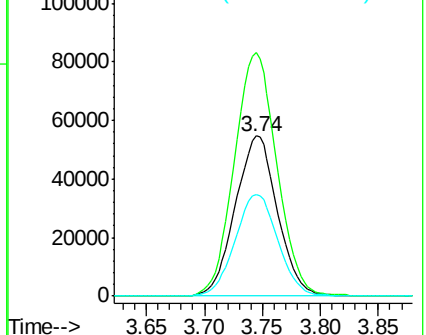
98 63.2 50.4 75.6

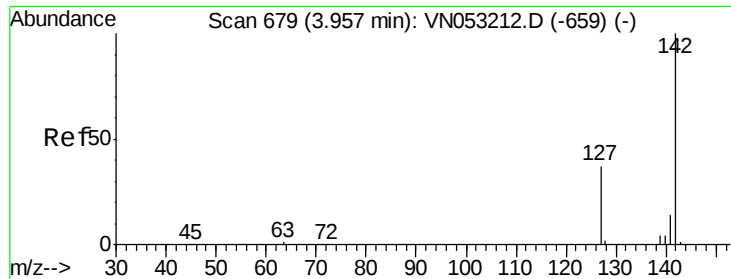


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

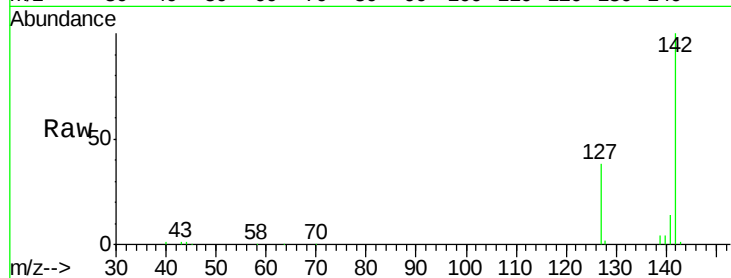




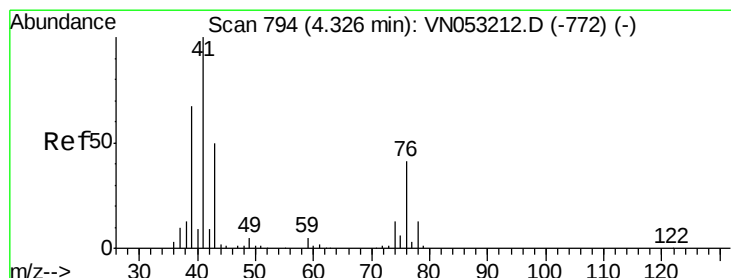
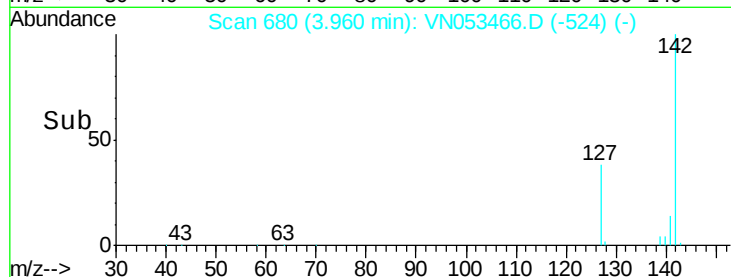
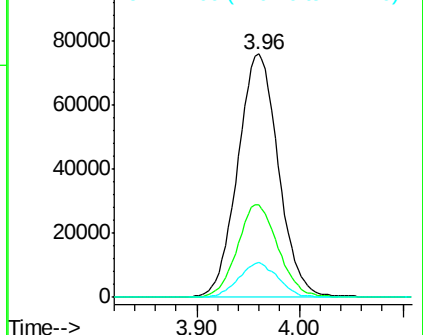
#11
Methyl Iodide
Concen: 18.562 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 207591
Ion Ratio Lower Upper
142 100
127 38.0 19.4 58.1
141 14.3 7.2 21.6

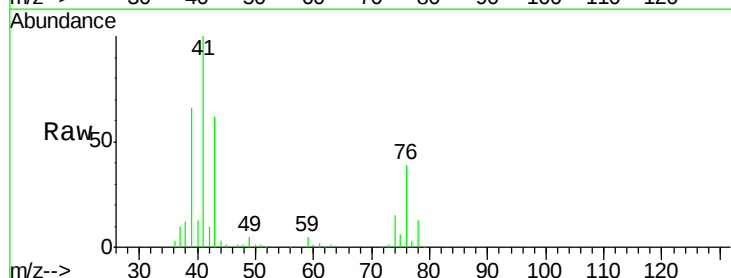


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

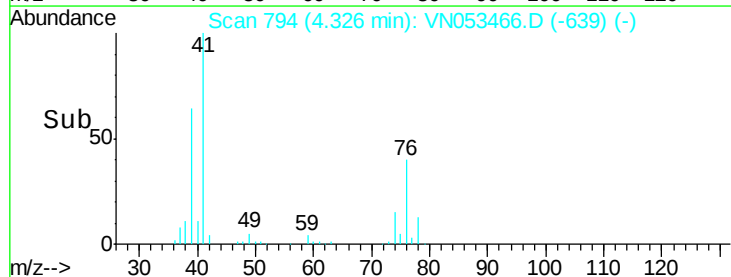
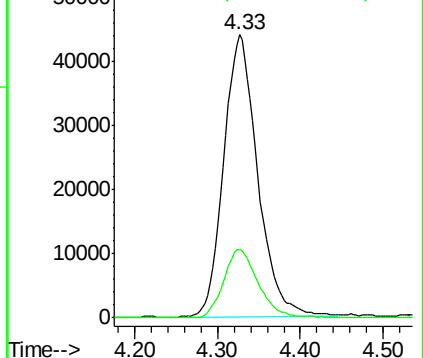


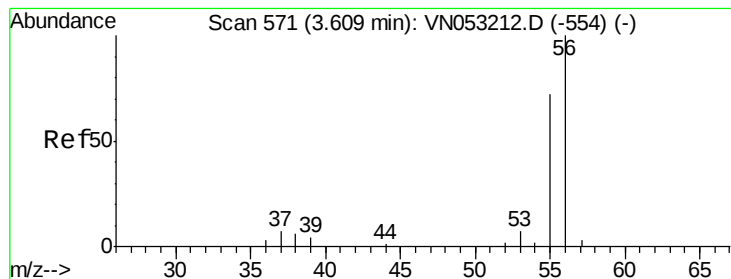
#12
Methyl Acetate
Concen: 21.122 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 43 Resp: 125721
Ion Ratio Lower Upper
43 100
74 24.5 18.9 28.3



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





#13

Acrolein

Concen: 95.725 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

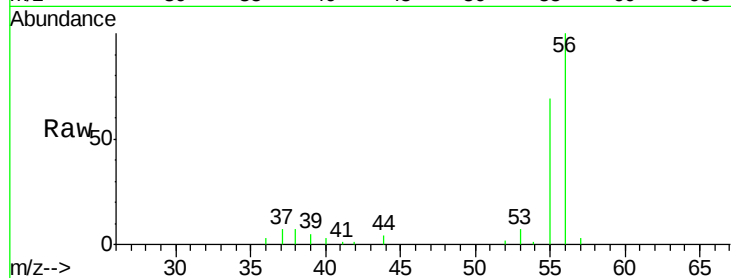
VSTDCCC020EC

Tot Ion: 56 Resp: 68025

Ion Ratio Lower Upper

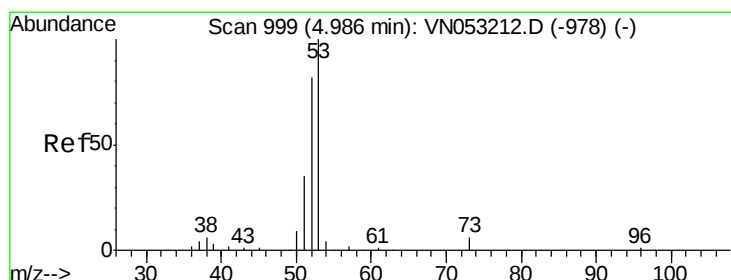
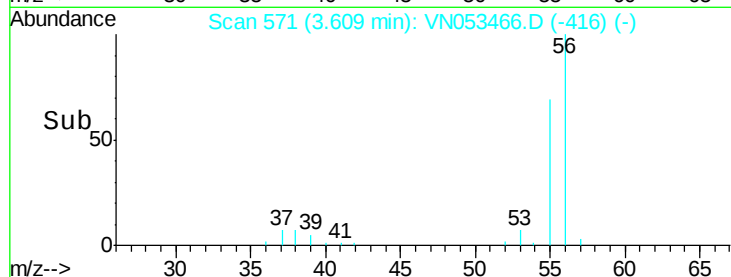
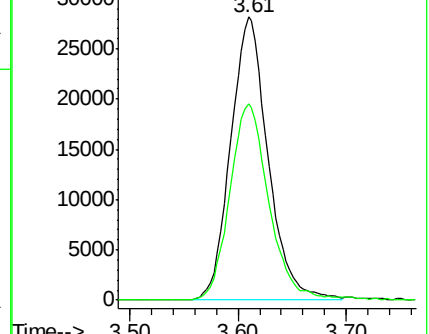
56 100

55 71.7 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 101.442 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

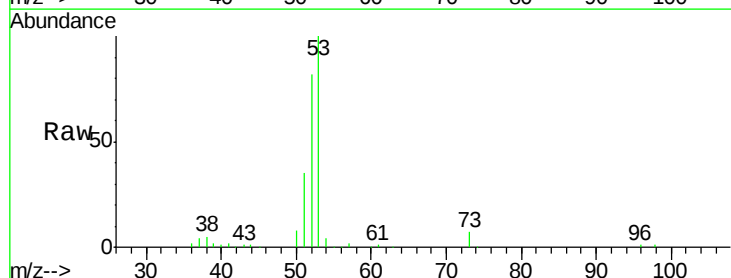
Tgt Ion: 53 Resp: 270115

Ion Ratio Lower Upper

53 100

52 80.7 39.9 119.7

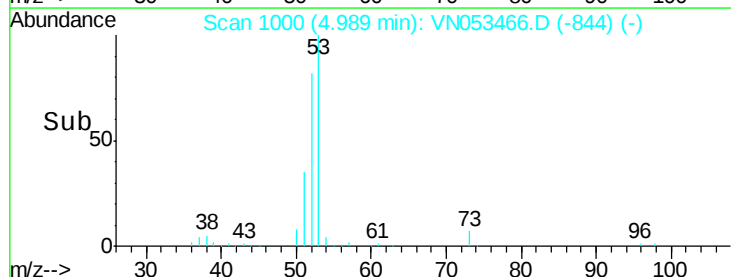
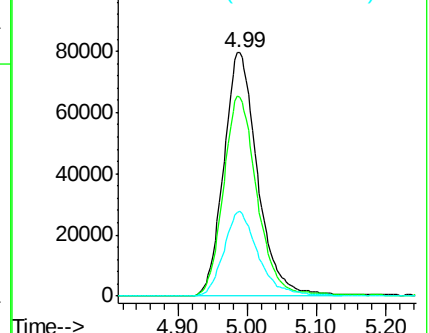
51 35.1 17.6 52.9

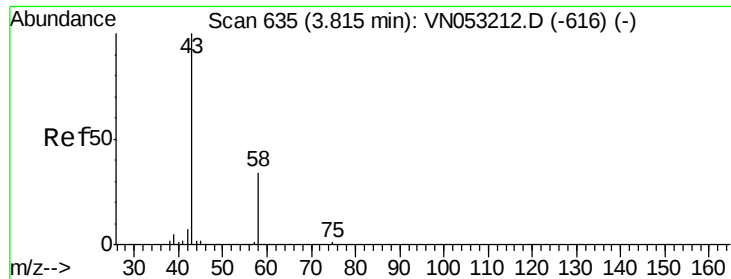


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 119.336 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

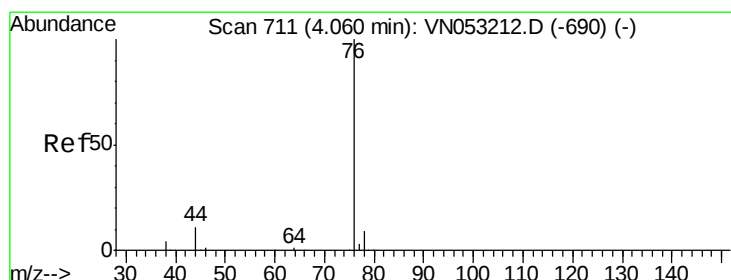
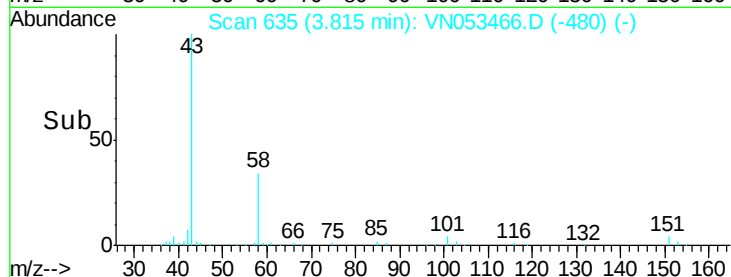
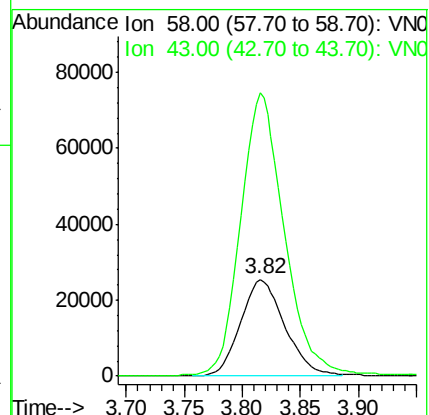
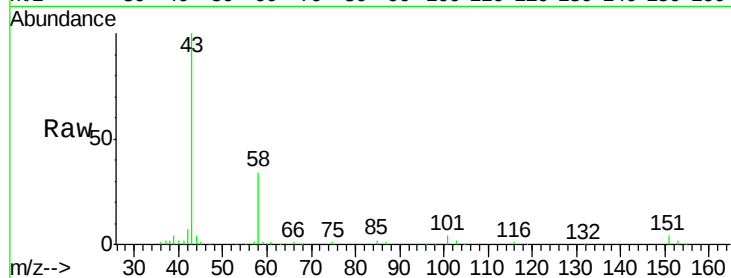
VSTDCCC020EC

Tot Ion: 58 Resp: 67533

Ion Ratio Lower Upper

58 100

43 291.4 243.6 365.4



#16

Carbon Disulfide

Concen: 16.534 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053466.D

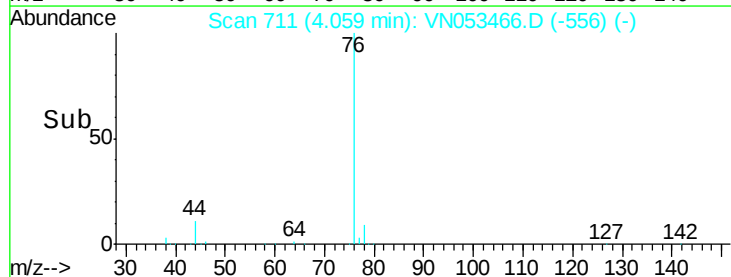
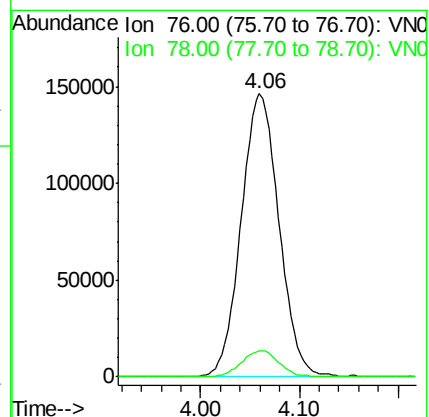
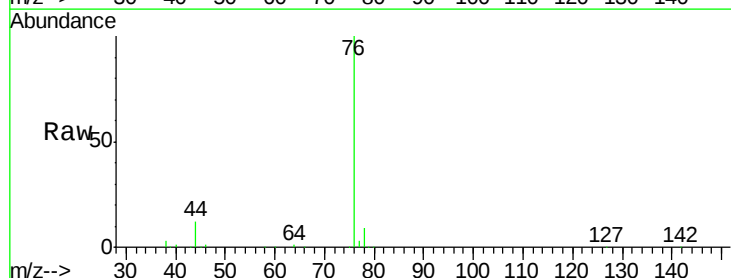
Acq: 18 Jan 2019 12:14

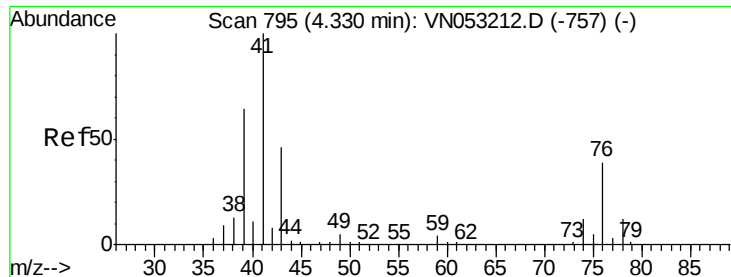
Tgt Ion: 76 Resp: 388418

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





#17

Allvl chloride

Concen: 18.474 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

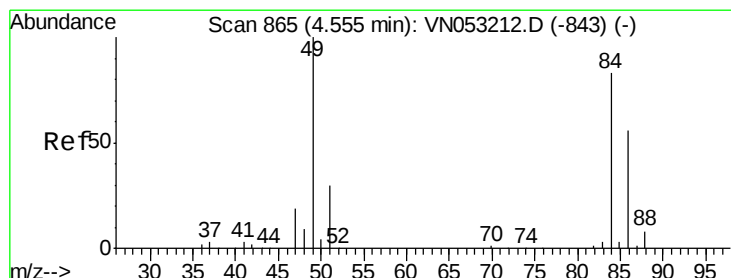
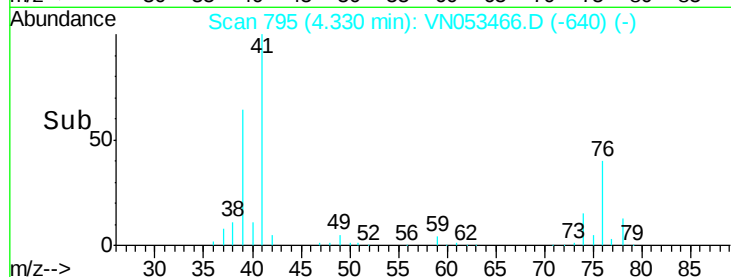
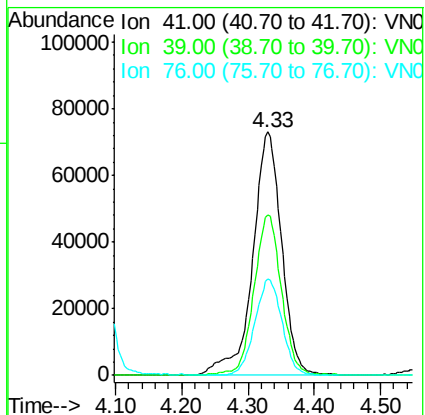
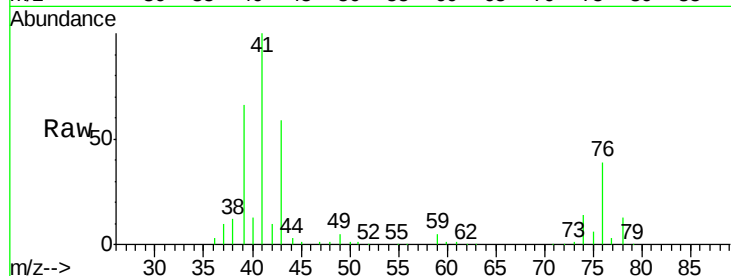
Tot Ion: 41 Resp: 221930

Ion Ratio Lower Upper

41 100

39 66.0 32.8 98.3

76 39.4 18.6 55.8



#18

Methylene Chloride

Concen: 18.663 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion: 84 Resp: 163114

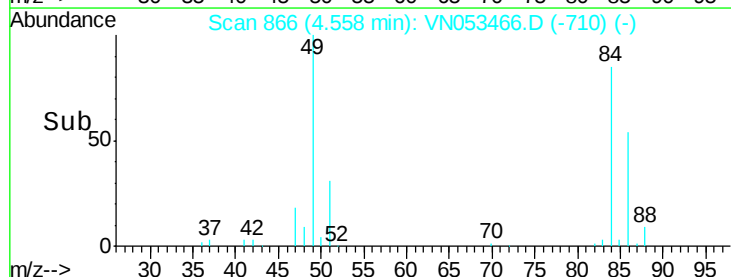
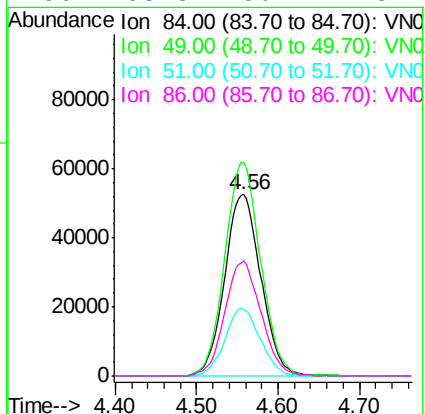
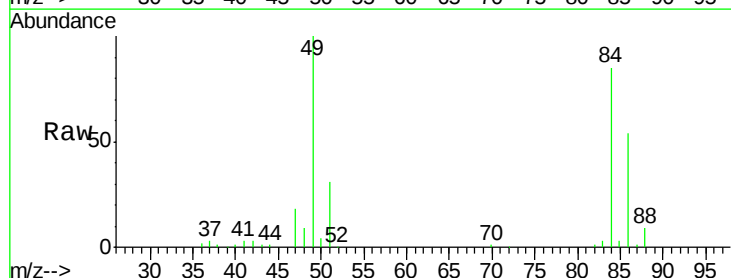
Ion Ratio Lower Upper

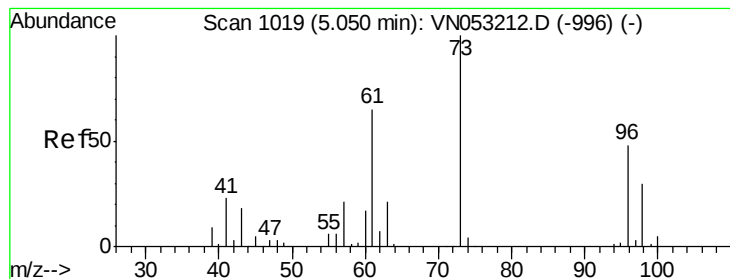
84 100

49 117.4 101.4 152.0

51 36.9 31.7 47.5

86 63.3 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 18.801 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

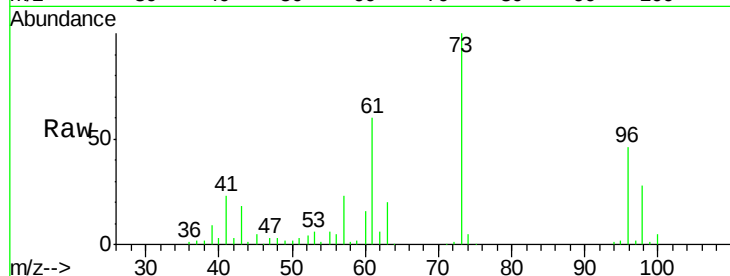
Tot Ion: 96 Resp: 151733

Ion Ratio Lower Upper

96 100

61 132.0 118.2 177.4

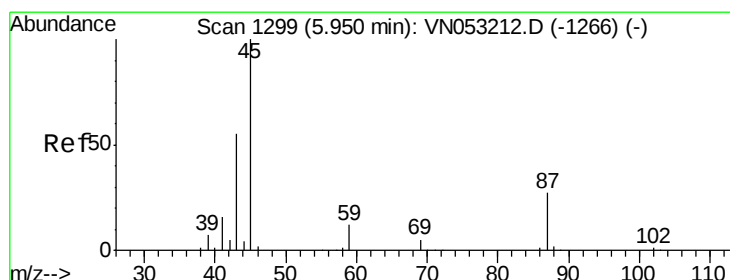
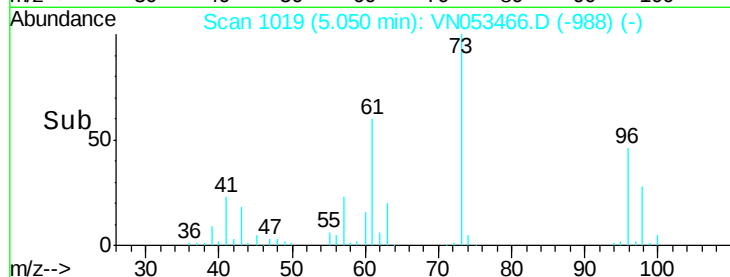
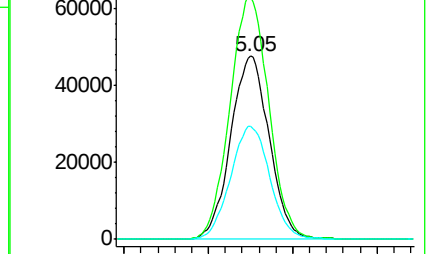
98 61.7 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN053212.D (-996) (-)

Ion 61.00 (60.70 to 61.70): VN053212.D (-996) (-)

Ion 98.00 (97.70 to 98.70): VN053212.D (-996) (-)



#20

Diisopropyl ether

Concen: 18.786 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Tgt Ion: 45 Resp: 483329

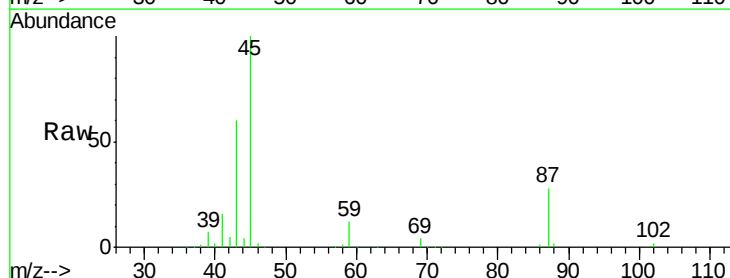
Ion Ratio Lower Upper

45 100

43 58.4 47.8 71.8

87 28.4 21.3 31.9

59 12.0 8.9 13.3

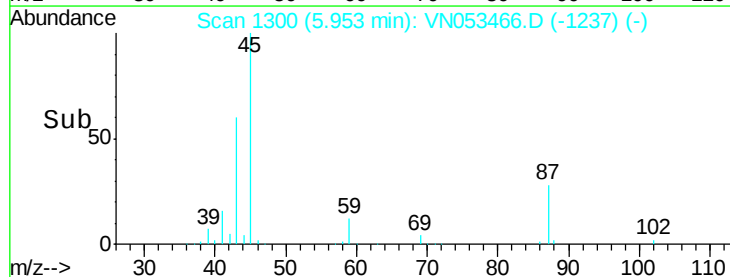
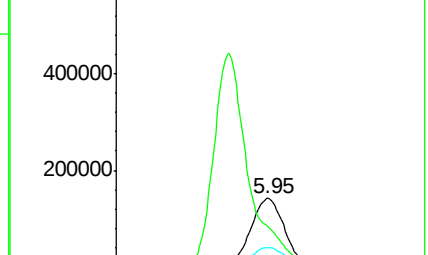


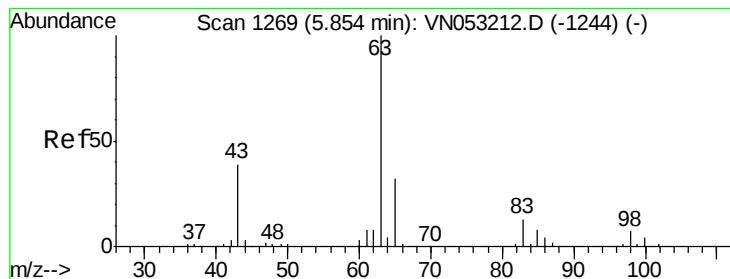
Abundance Ion 45.00 (44.70 to 45.70): VN053212.D (-1266) (-)

Ion 43.00 (42.70 to 43.70): VN053212.D (-1266) (-)

Ion 87.00 (86.70 to 87.70): VN053212.D (-1266) (-)

Ion 59.00 (58.70 to 59.70): VN053212.D (-1266) (-)





#21

1,1-Dichloroethane

Concen: 18.790 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

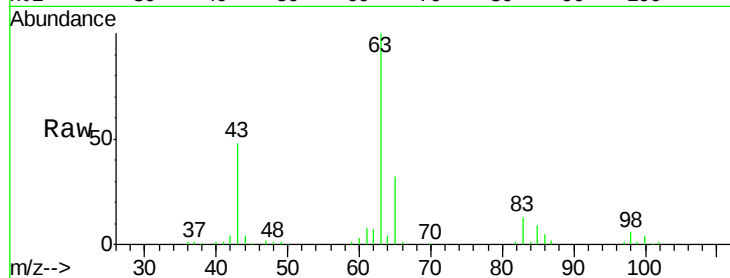
Tot Ion: 63 Resp: 281461

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.2 1.8 5.5

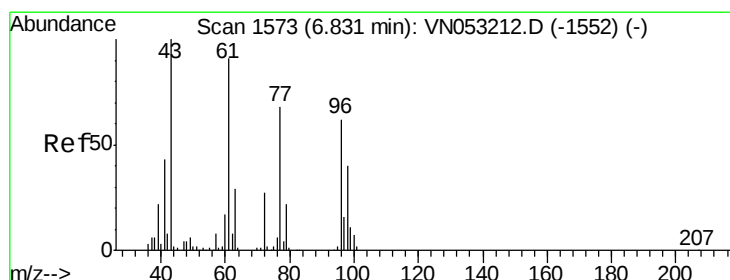
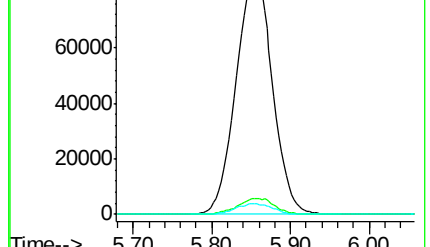
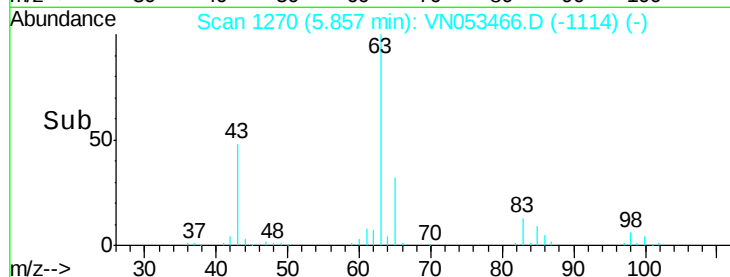


Abundance Ion 63.00 (62.70 to 63.70): VN053466.D (-1114) (-)

Ion 98.00 (97.70 to 98.70): VN053466.D (-1114) (-)

Ion 100.00 (99.70 to 100.70): VN053466.D (-1114) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 18.848 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

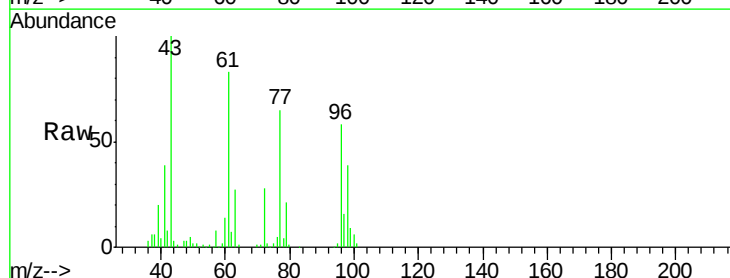
Tgt Ion: 96 Resp: 171346

Ion Ratio Lower Upper

96 100

61 140.2 116.7 175.1

98 65.8 50.8 76.2

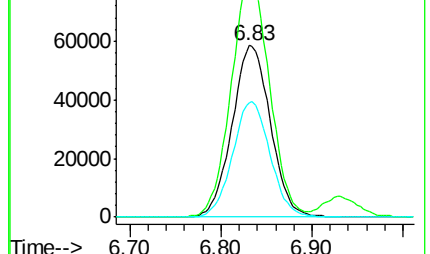
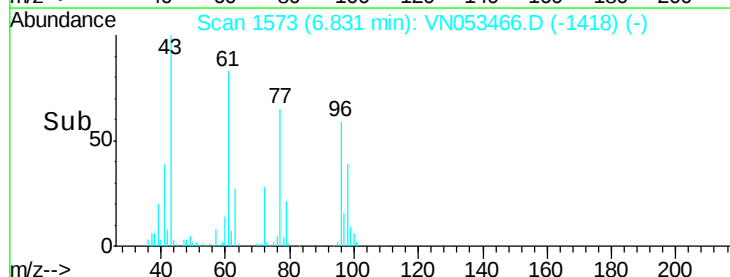


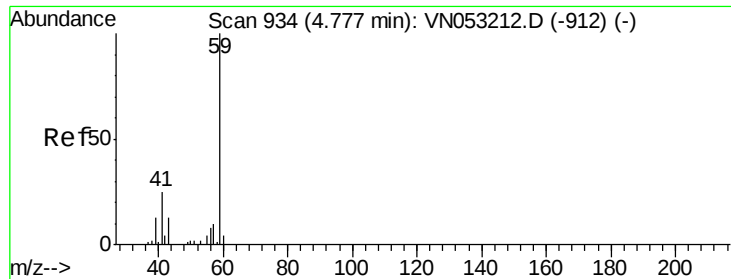
Abundance Ion 96.00 (95.70 to 96.70): VN053466.D (-1418) (-)

Ion 61.00 (60.70 to 61.70): VN053466.D (-1418) (-)

Ion 98.00 (97.70 to 98.70): VN053466.D (-1418) (-)

Time-->



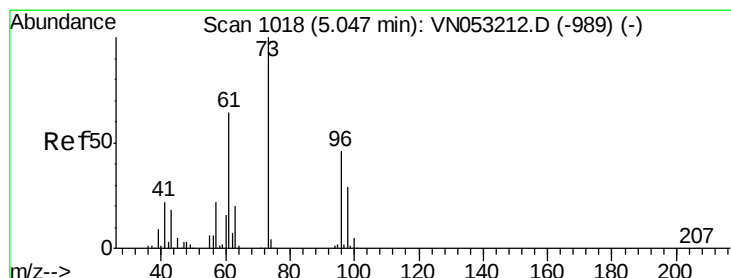
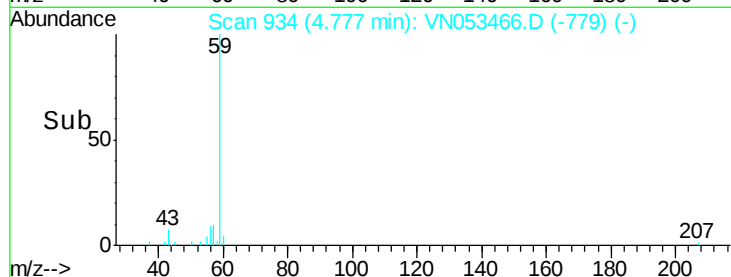
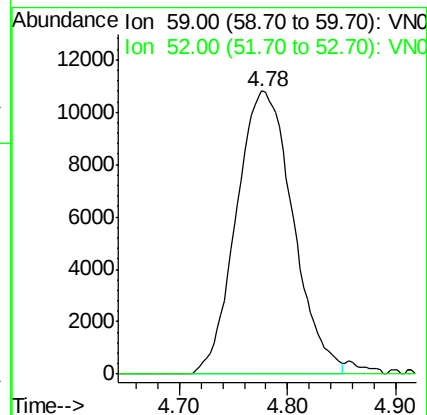
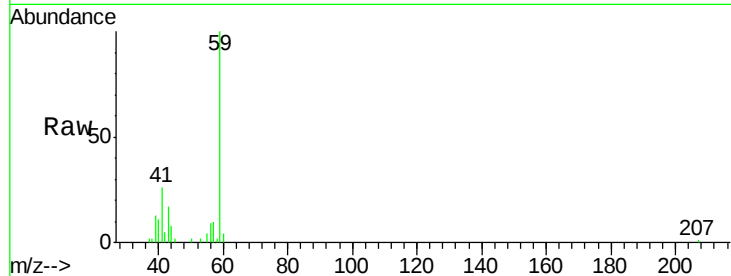


#23

tert-Butyl Alcohol
Concen: 87.588 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

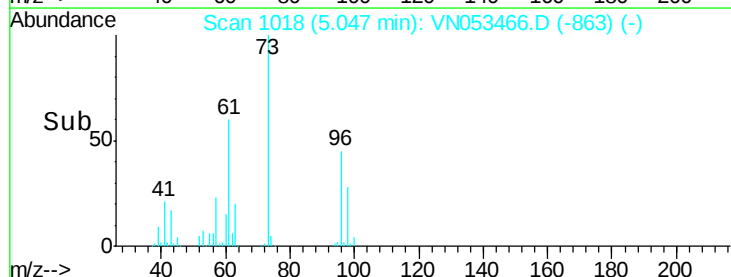
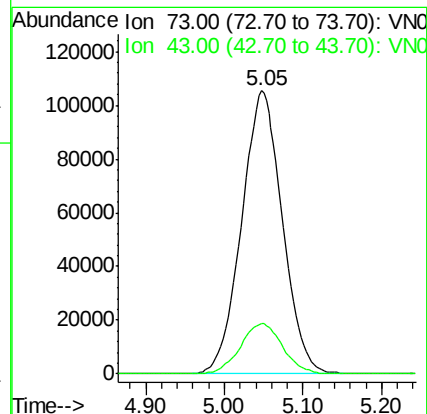
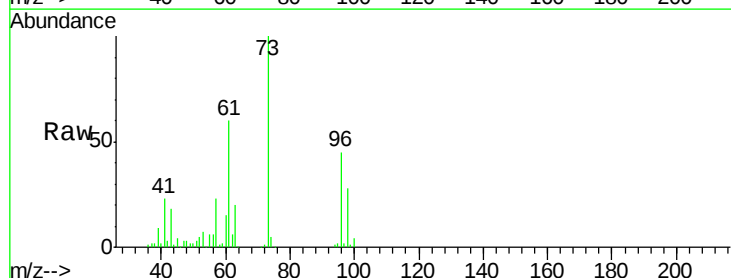
Tot Ion: 59 Resp: 39316
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

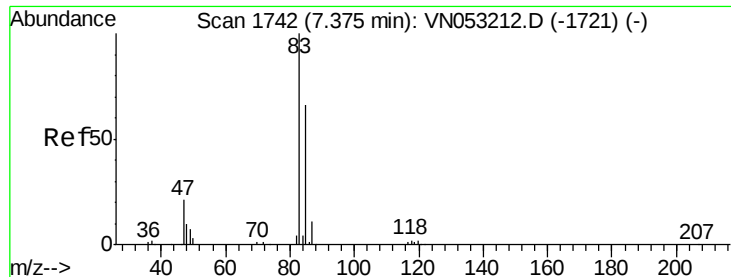


#24

Methyl tert-Butyl Ether
Concen: 19.239 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 73 Resp: 383108
Ion Ratio Lower Upper
73 100
43 18.5 15.8 23.8





#25

Chloroform

Concen: 19.379 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

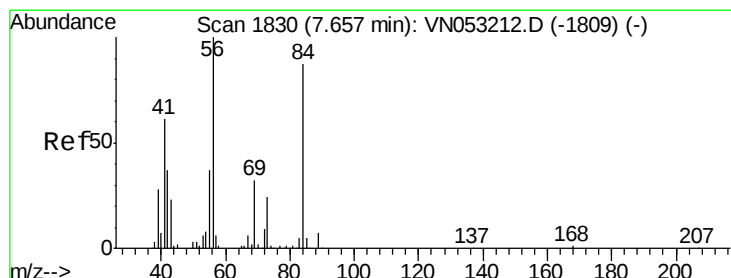
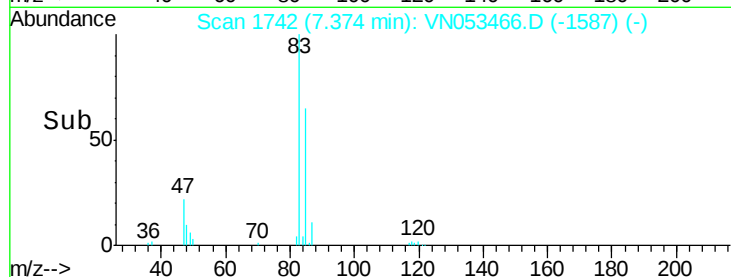
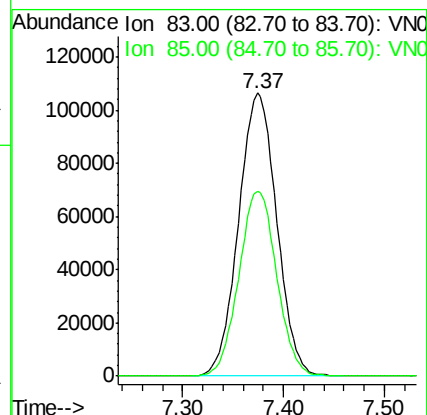
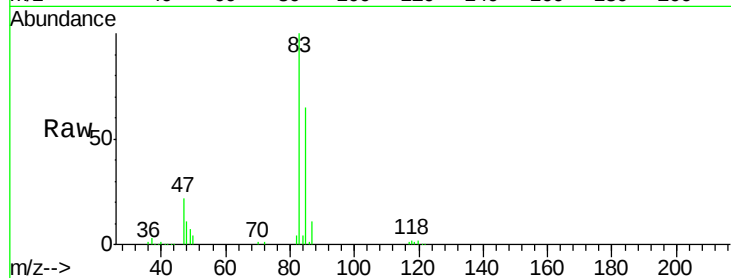
VSTDCCC020EC

Tot Ion: 83 Resp: 279028

Ion Ratio Lower Upper

83 100

85 65.4 51.7 77.5



#26

Cyclohexane

Concen: 17.530 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

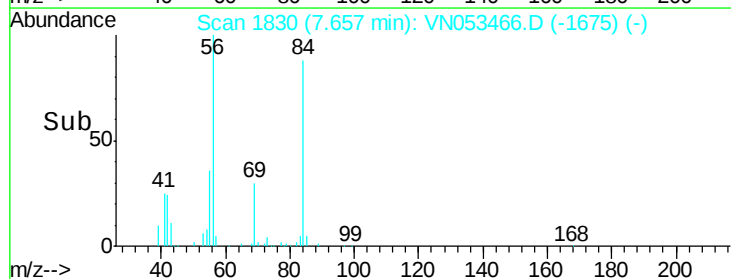
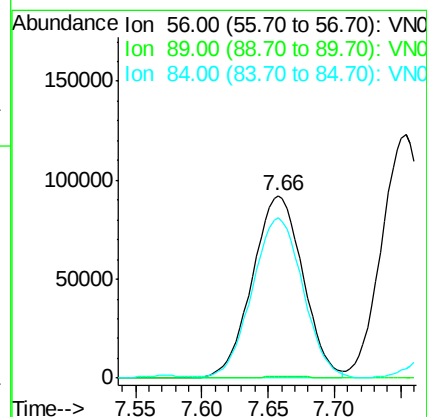
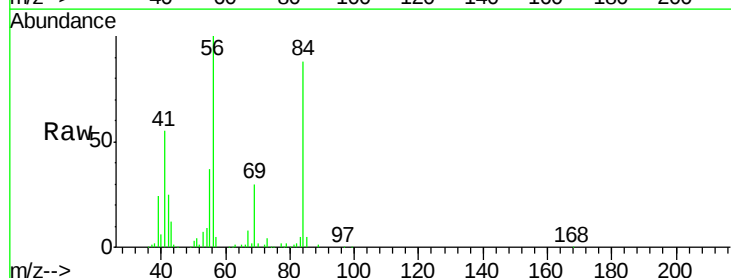
Tgt Ion: 56 Resp: 244929

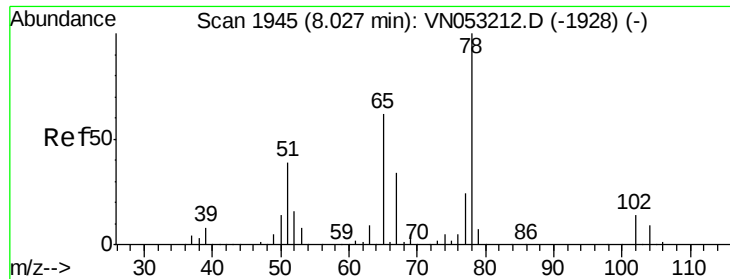
Ion Ratio Lower Upper

56 100

89 1.1 0.5 0.7#

84 88.0 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 17.530 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

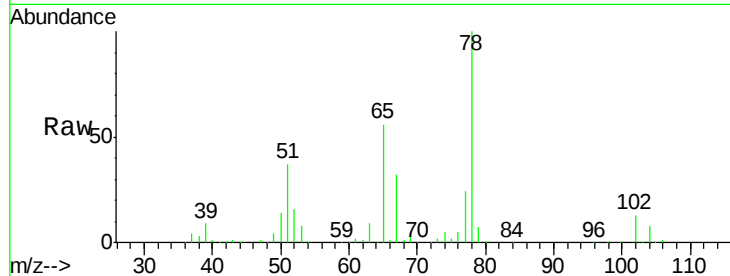
VSTDCCC020EC

Tot Ion: 65 Resp: 247723

Ion Ratio Lower Upper

65 100

67 54.5 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN053212.D (-1928) (-)

Ion 67.00 (66.70 to 67.70): VN053212.D (-1928) (-)

8.03

100000

80000

60000

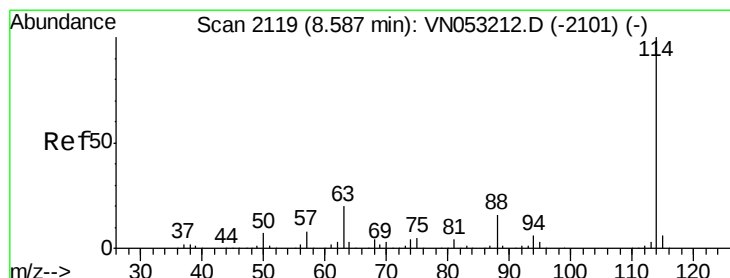
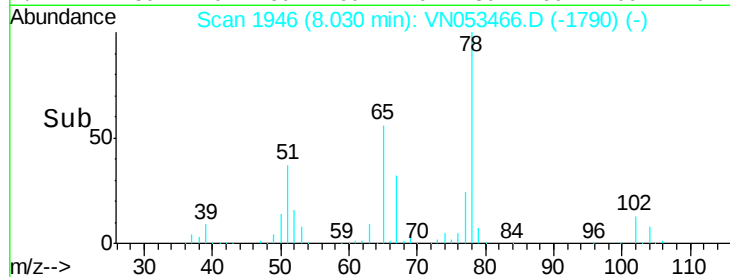
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

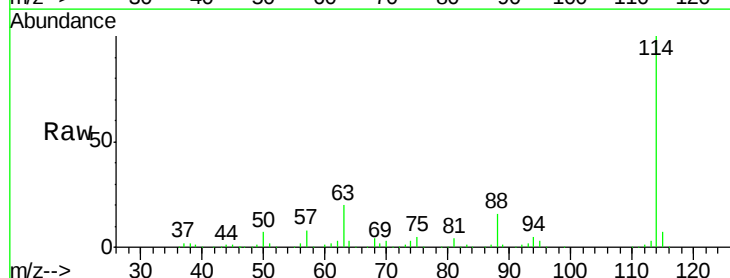
Tgt Ion: 114 Resp: 735236

Ion Ratio Lower Upper

114 100

63 19.3 16.9 25.3

88 15.3 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN053212.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN053212.D (-2101) (-)

Ion 88.00 (87.70 to 88.70): VN053212.D (-2101) (-)

8.59

500000

400000

300000

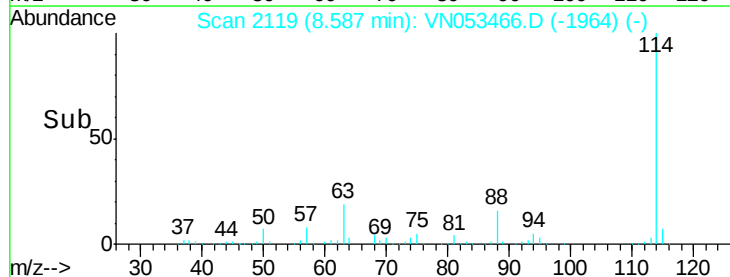
200000

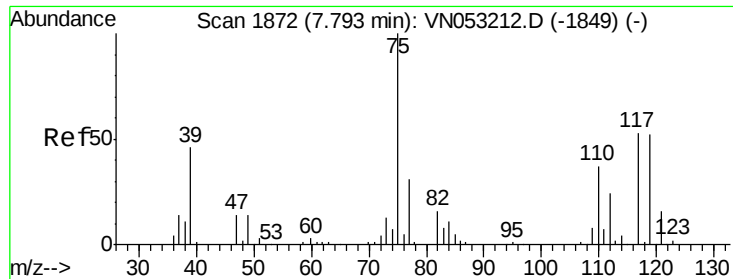
100000

0

8.50 8.55 8.60 8.65

Time-->

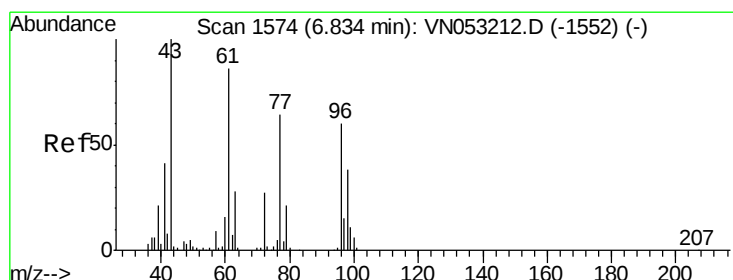
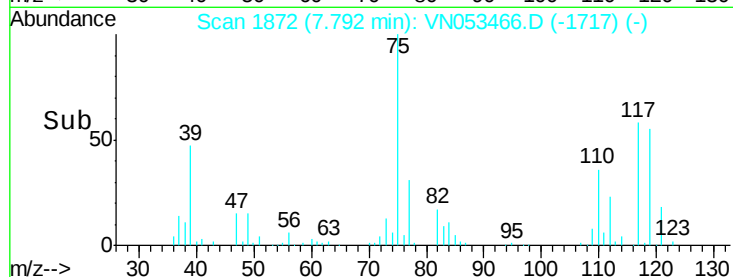
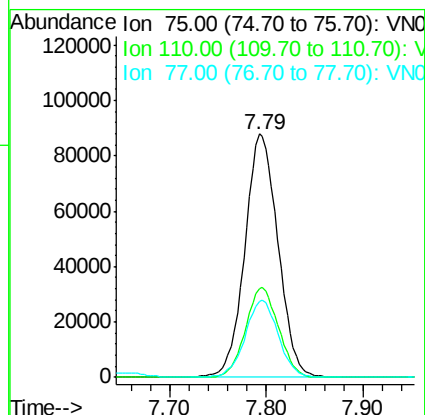
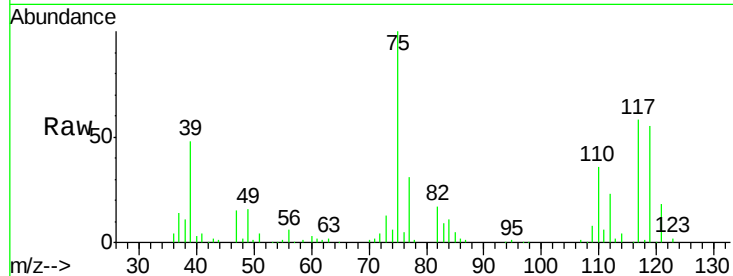




#29
 1,1-Dichloropropene
 Concen: 18.779 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

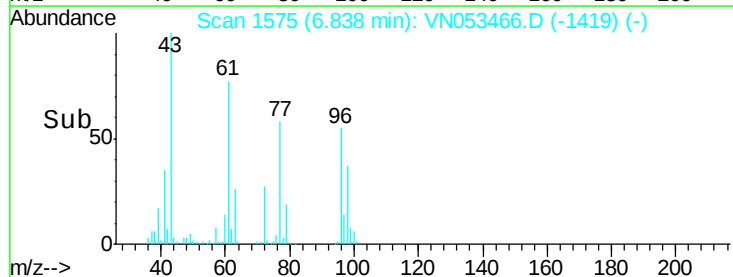
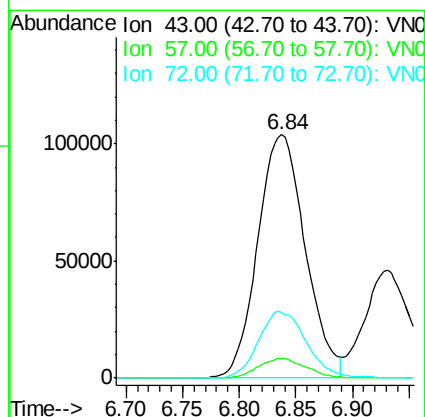
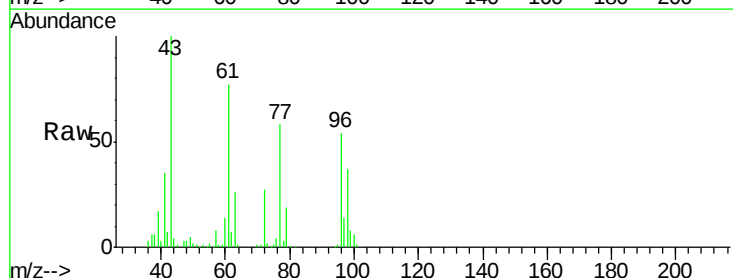
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

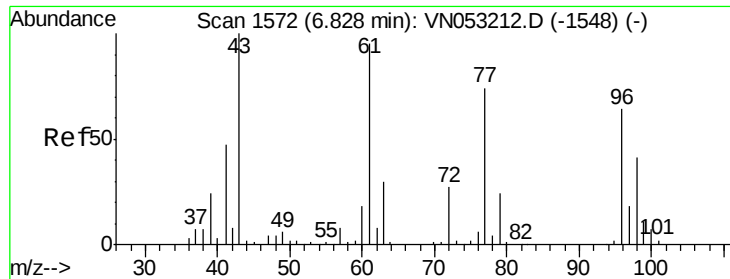
Tot Ion: 75 Resp: 209148
 Ion Ratio Lower Upper
 75 100
 110 36.6 0.0 70.2
 77 31.6 0.0 62.6



#30
 2-Butanone
 Concen: 108.982 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 43 Resp: 302808
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.2 9.4
 72 27.8 21.0 31.6

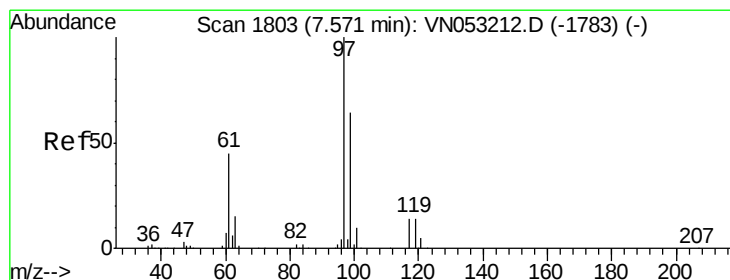
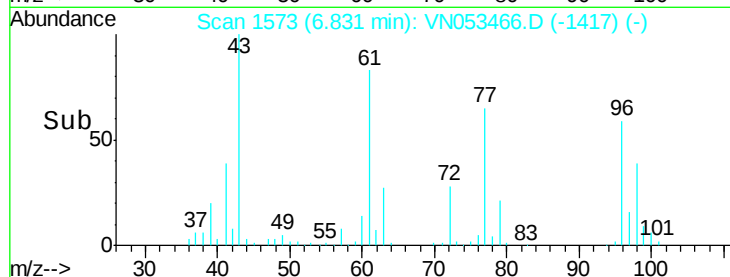
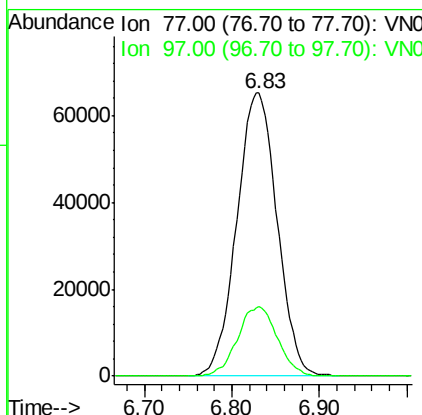
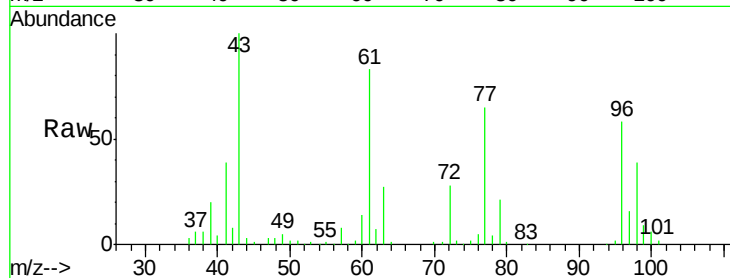




#31
 2,2-Dichloropropane
 Concen: 19.308 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

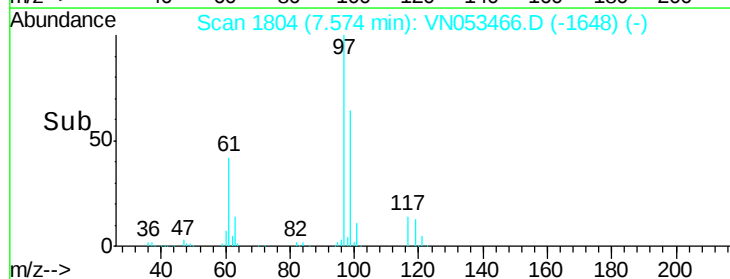
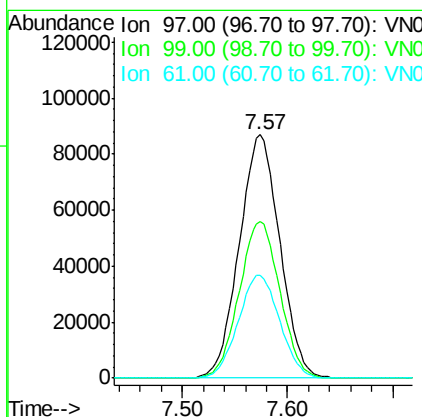
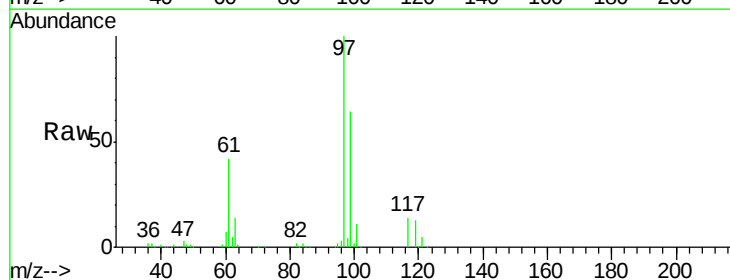
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

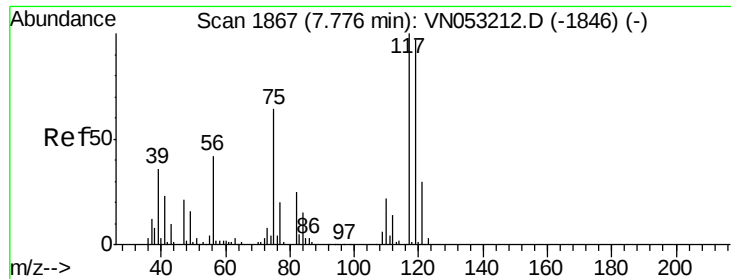
Tot Ion: 77 Resp: 208166
 Ion Ratio Lower Upper
 77 100
 97 24.3 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 19.956 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 97 Resp: 232856
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.9 76.3
 61 43.1 38.1 57.1

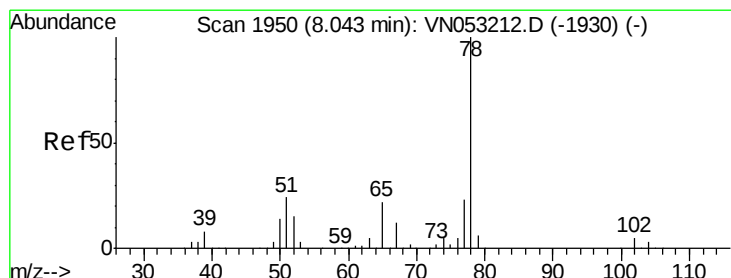
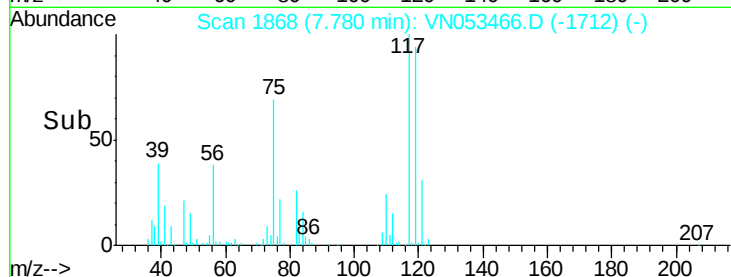
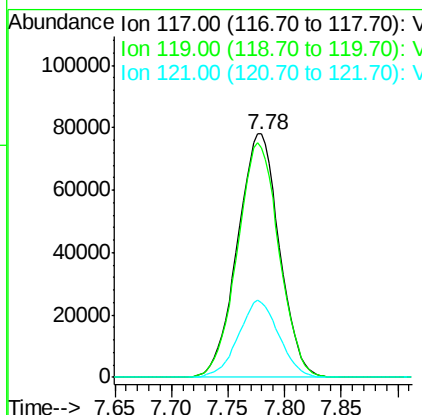
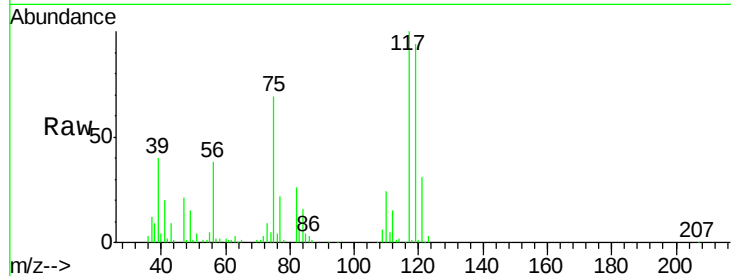




#33
Carbon Tetrachloride
Concen: 19.628 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

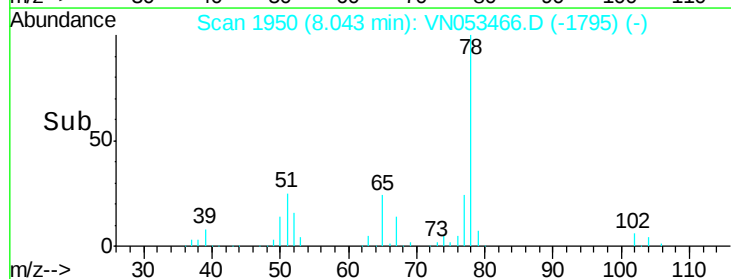
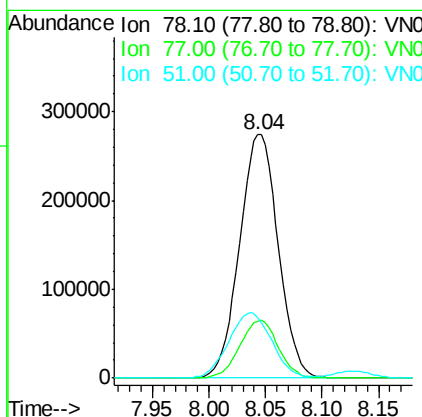
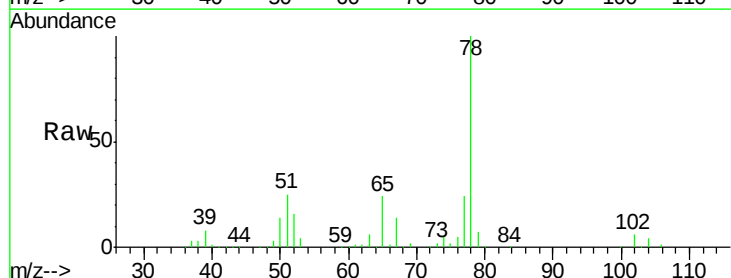
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

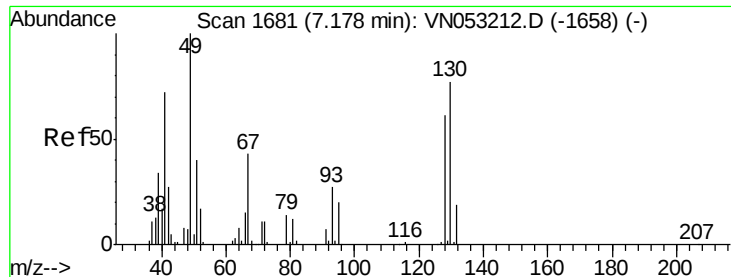
Tot Ion:117 Resp: 200481
Ion Ratio Lower Upper
117 100
119 94.4 77.3 115.9
121 30.9 24.9 37.3



#34
Benzene
Concen: 19.456 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 78 Resp: 651209
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6
51 24.8 20.5 30.7

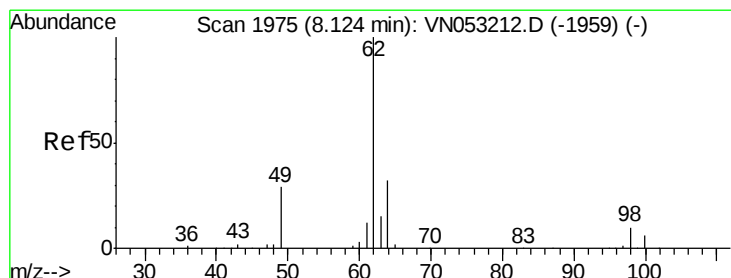
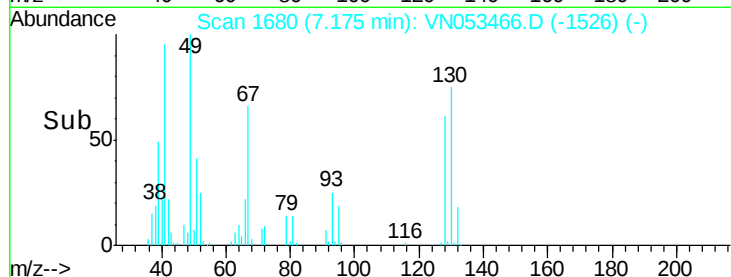
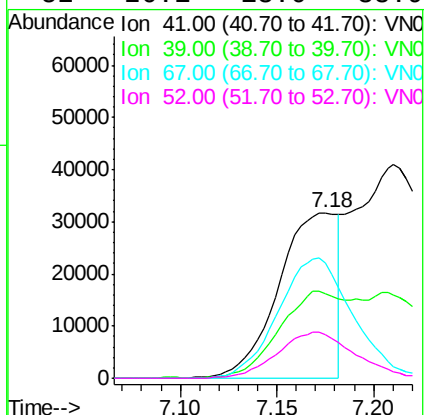
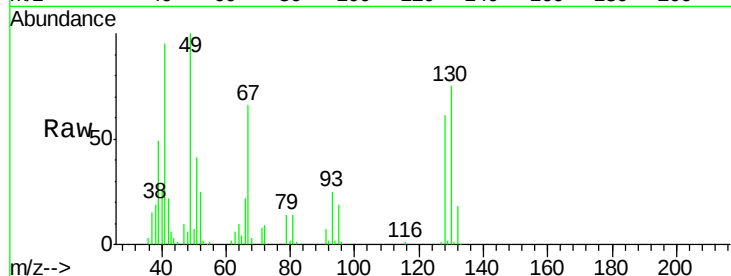




#35
Methacrylonitrile
Concen: 18.820 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

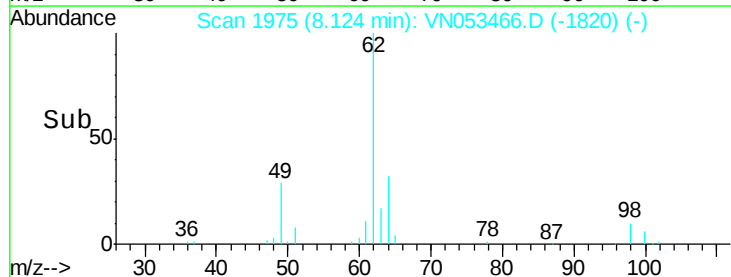
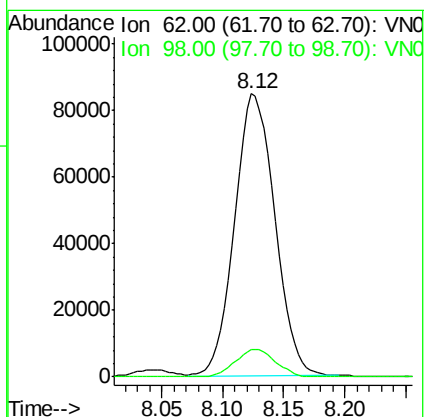
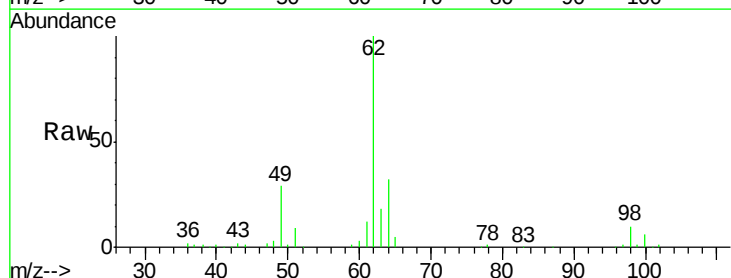
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

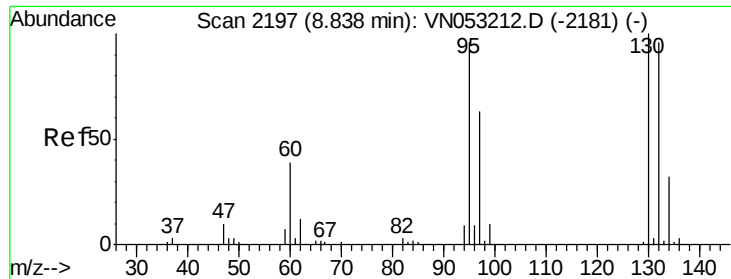
Tot Ion:	41	Resp:	67477
Ion	Ratio	Lower	Upper
41	100		
39	51.3	26.6	79.7
67	69.4	32.3	96.9
52	26.1	13.0	38.9



#36
1,2-Dichloroethane
Concen: 20.002 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion:	62	Resp:	194354
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.4	11.2

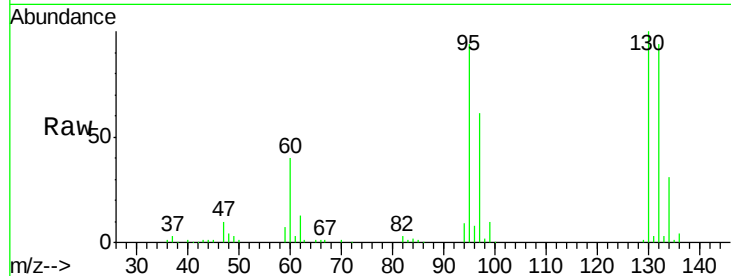




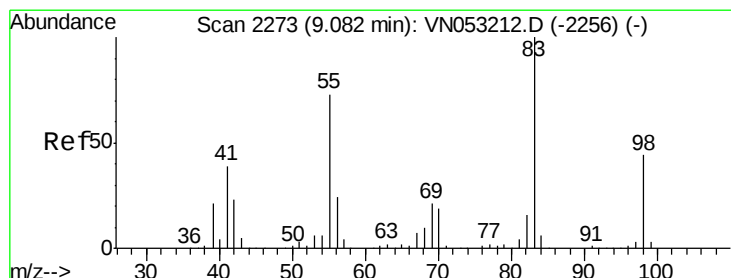
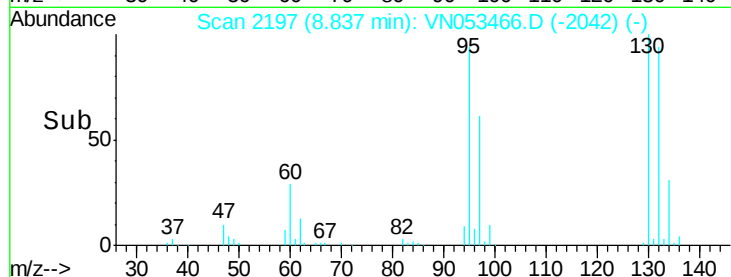
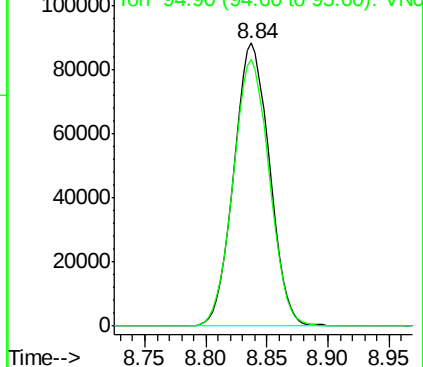
#37
 Trichloroethene
 Concen: 19.716 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 178769
 Ion Ratio Lower Upper
 130 100
 95 94.1 81.0 121.4

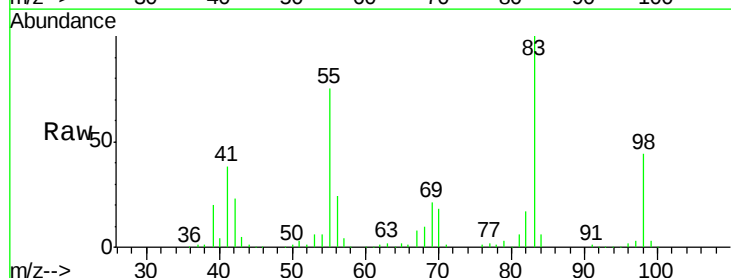


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

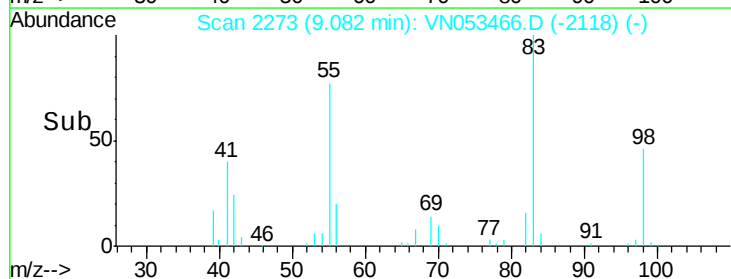
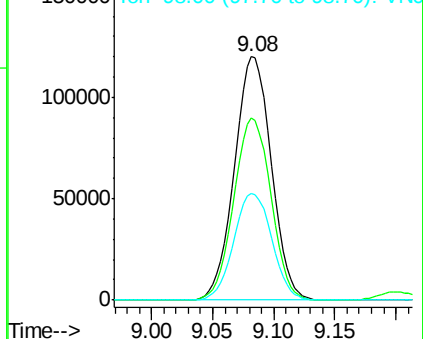


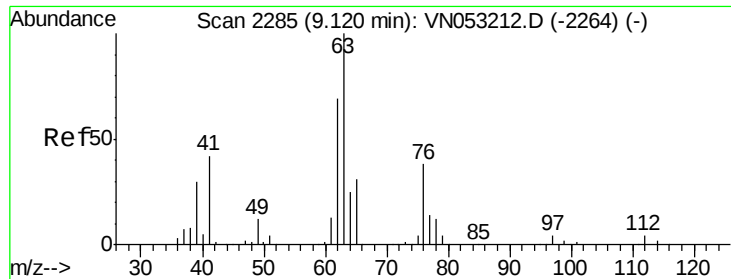
#38
 Methylcyclohexane
 Concen: 19.334 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 83 Resp: 251853
 Ion Ratio Lower Upper
 83 100
 55 75.4 39.8 119.4
 98 45.2 22.9 68.5



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

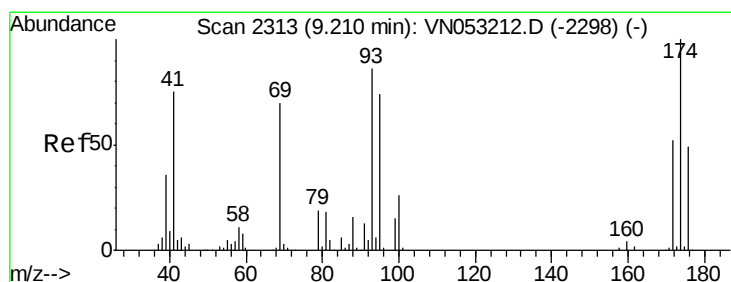
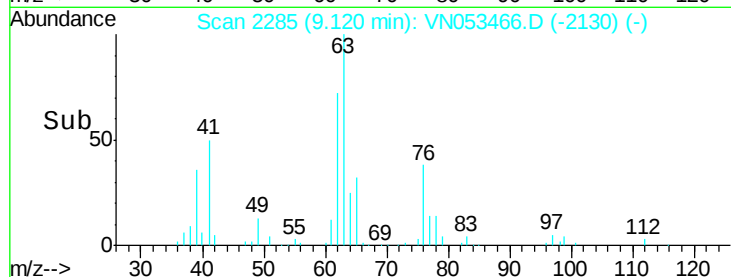
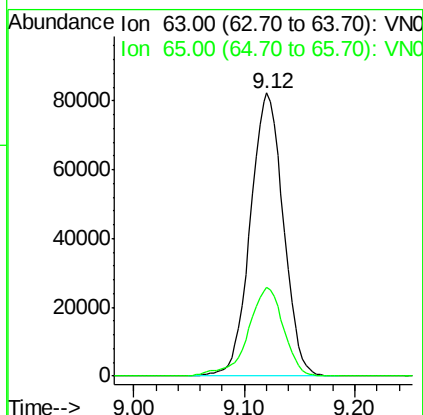
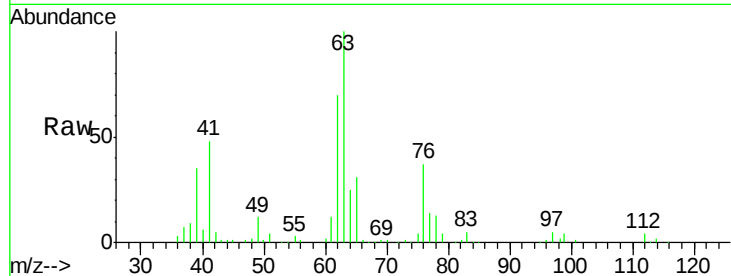




#39
 1,2-Dichloropropane
 Concen: 19.488 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

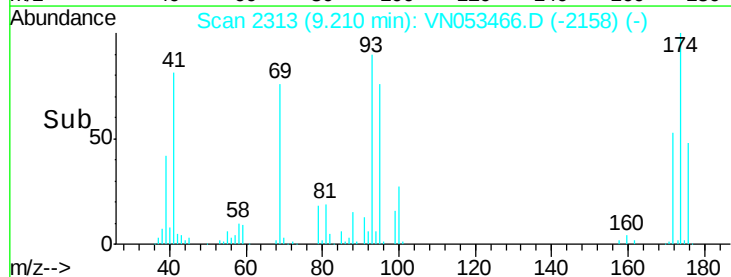
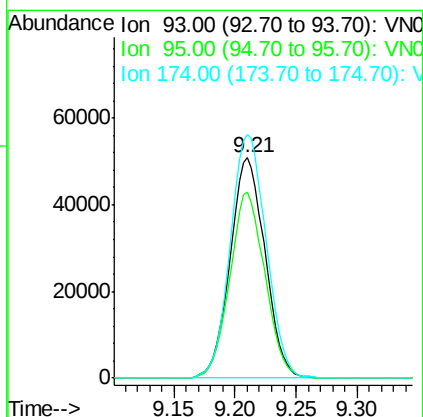
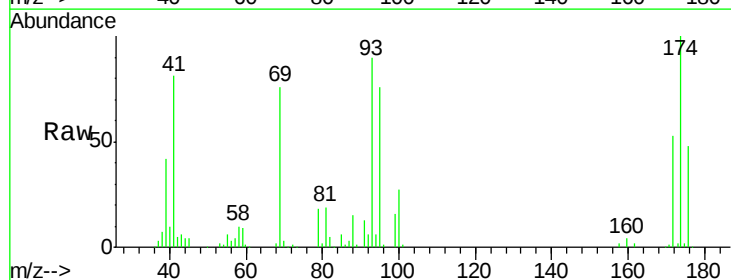
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

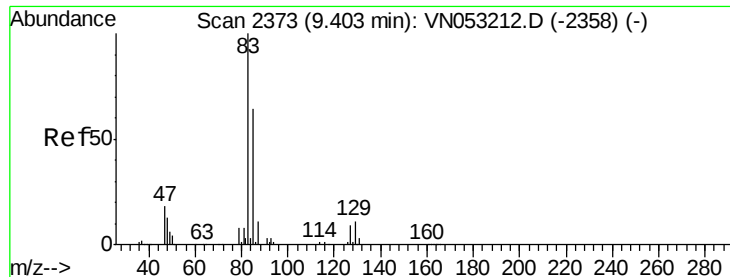
Tot Ion: 63 Resp: 170325
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.6 35.4



#40
 Dibromomethane
 Concen: 20.529 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 93 Resp: 101469
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 168.4
 174 113.3 0.0 210.0





#41

Bromodichloromethane

Concen: 19.583 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

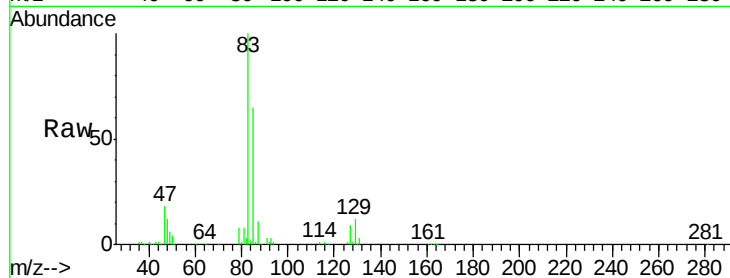
Tot Ion: 83 Resp: 207866

Ion Ratio Lower Upper

83 100

85 64.7 52.4 78.6

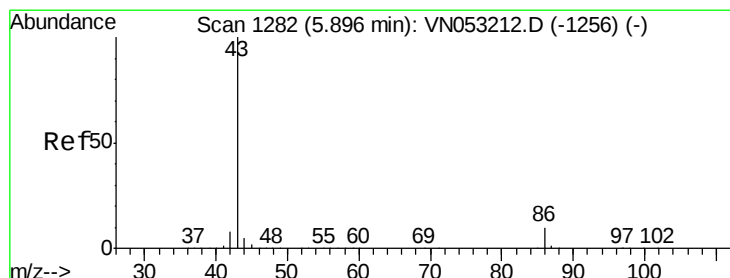
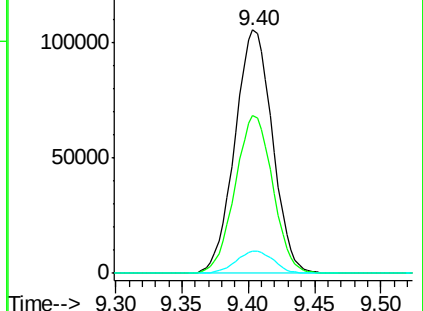
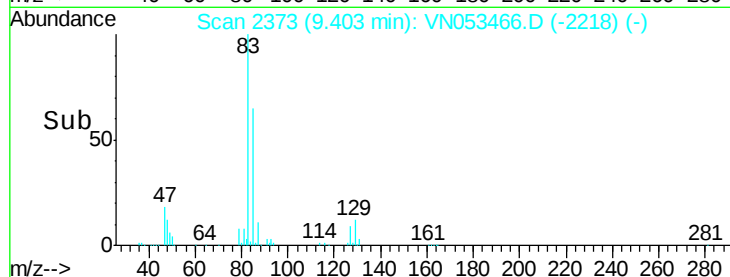
127 9.0 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN053466.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN053466.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN053466.D (-2218) (-)



#42

Vinyl Acetate

Concen: 100.938 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053466.D

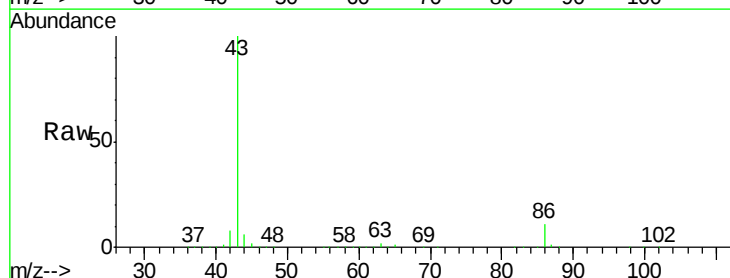
Acq: 18 Jan 2019 12:14

Tgt Ion: 43 Resp: 1530079

Ion Ratio Lower Upper

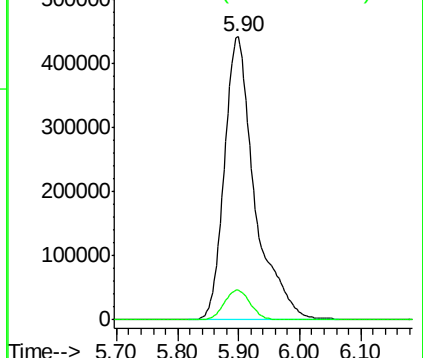
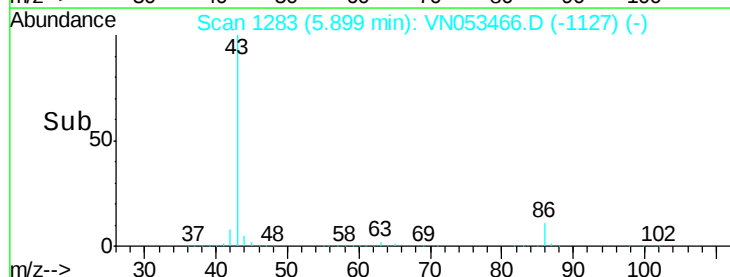
43 100

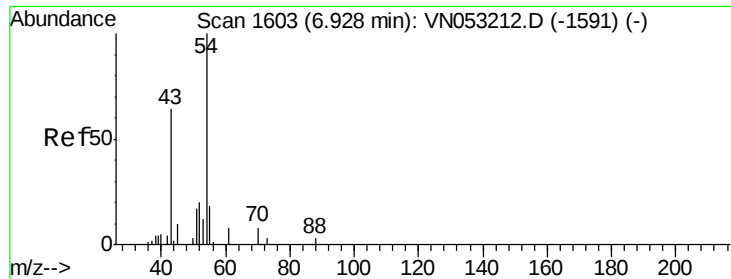
86 9.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN053466.D (-1127) (-)

Ion 86.00 (85.70 to 86.70): VN053466.D (-1127) (-)





#43

Ethyl Acetate

Concen: 20.888 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

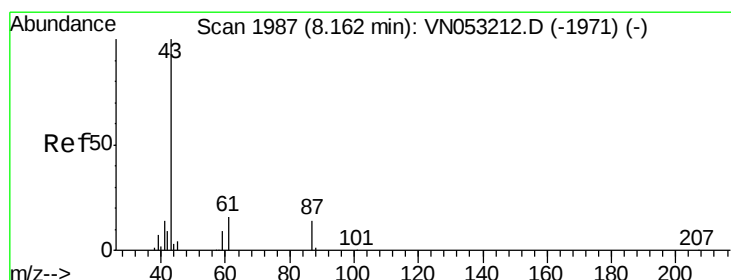
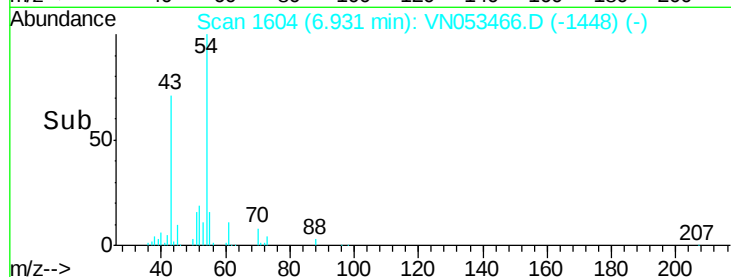
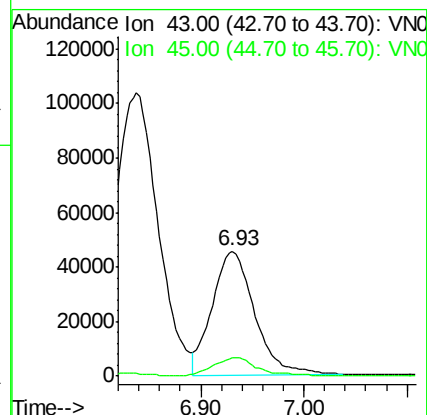
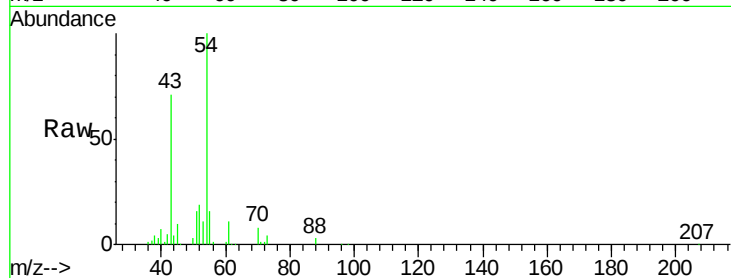
VSTDCCC020EC

Tot Ion: 43 Resp: 129613

Ion Ratio Lower Upper

43 100

45 14.1 1.0 1.6#



#44

Isopropyl Acetate

Concen: 20.464 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053466.D

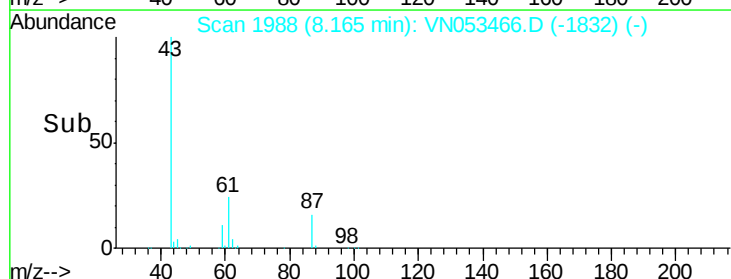
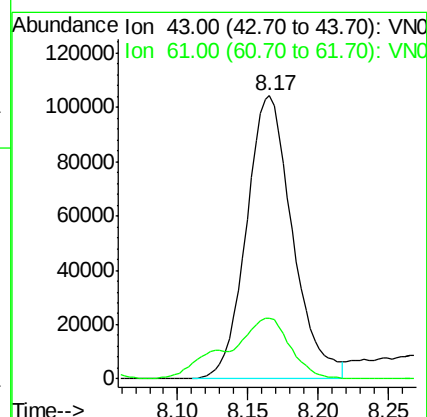
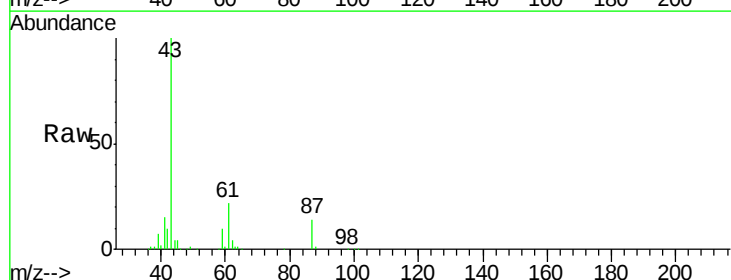
Acq: 18 Jan 2019 12:14

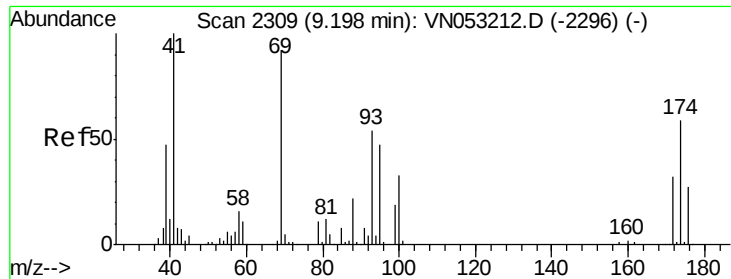
Tgt Ion: 43 Resp: 236542

Ion Ratio Lower Upper

43 100

61 21.7 16.0 24.0

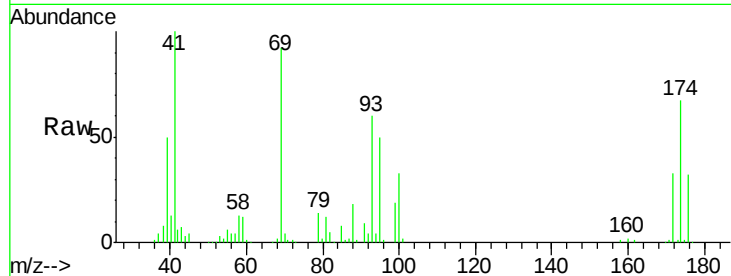




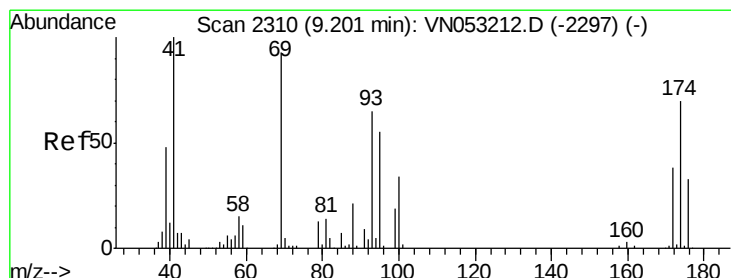
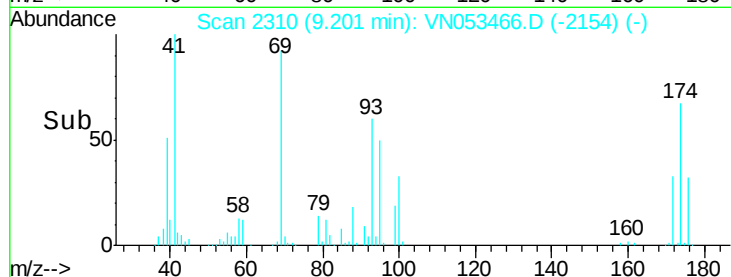
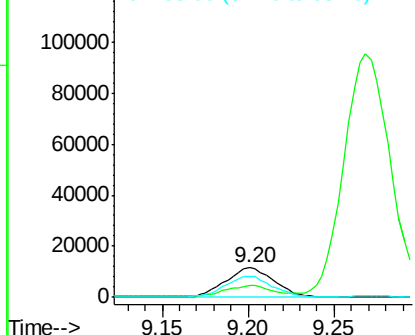
#45
1,4-Dioxane
Concen: 325.798 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 88 Resp: 23028
Ion Ratio Lower Upper
88 100
43 30.6 29.5 44.3
58 69.2 61.5 92.3

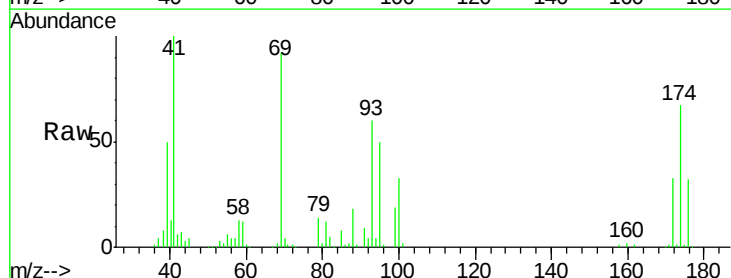


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

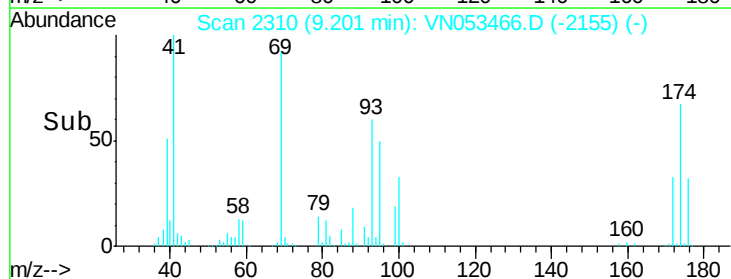
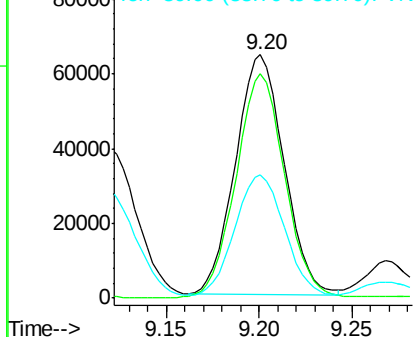


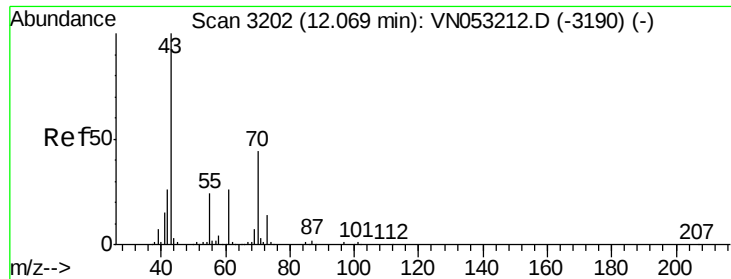
#46
Methyl methacrylate
Concen: 19.993 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 41 Resp: 116745
Ion Ratio Lower Upper
41 100
69 92.8 42.5 127.6
39 50.1 26.3 78.9



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





#47

n-amvl Acetate

Concen: 20.095 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

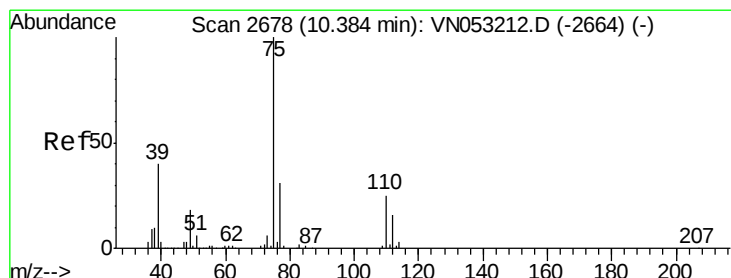
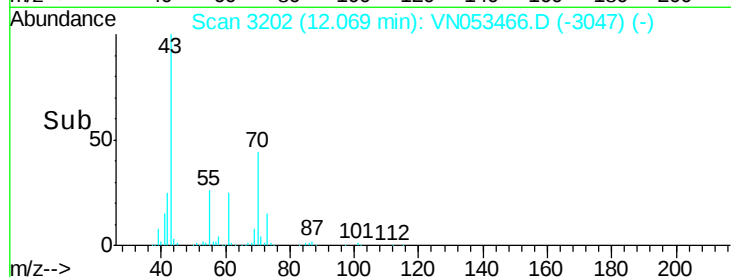
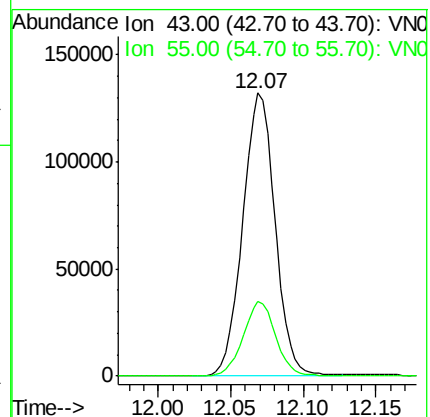
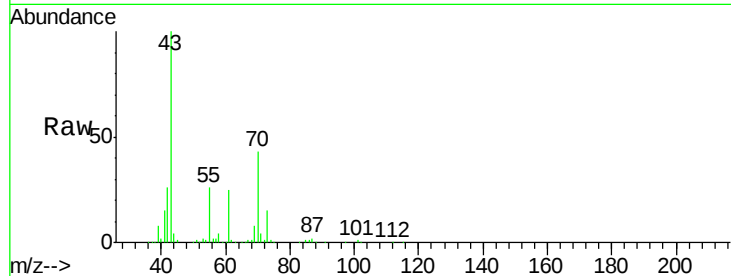
VSTDCCC020EC

Tot Ion: 43 Resp: 203986

Ion Ratio Lower Upper

43 100

55 26.6 21.1 31.7



#48

t-1,3-Dichloropropene

Concen: 19.477 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN053466.D

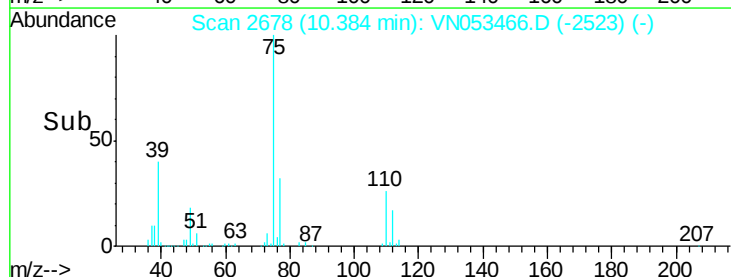
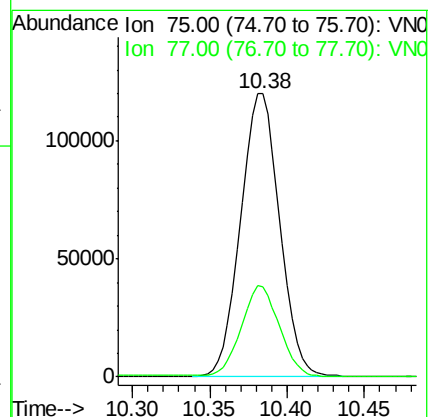
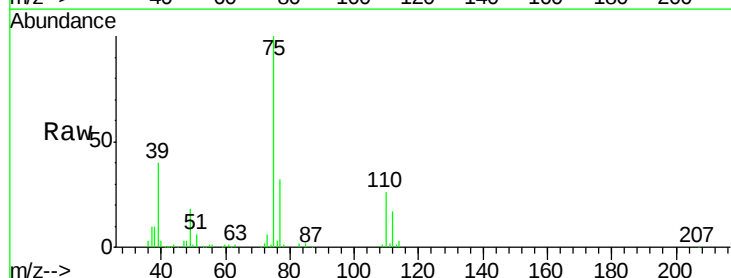
Acq: 18 Jan 2019 12:14

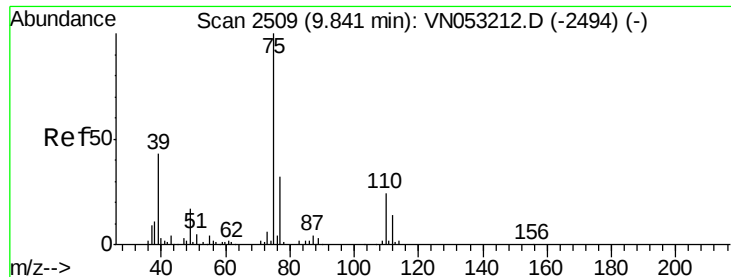
Tgt Ion: 75 Resp: 211009

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



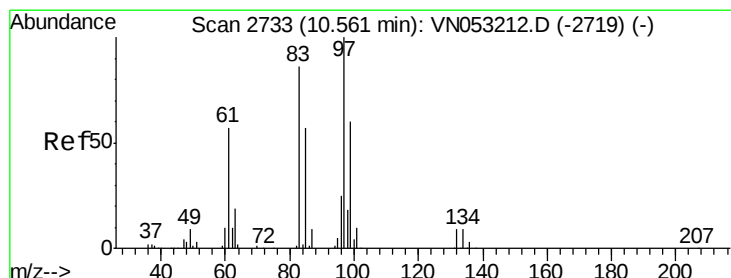
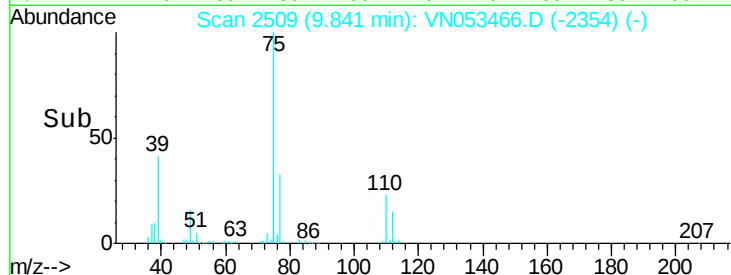
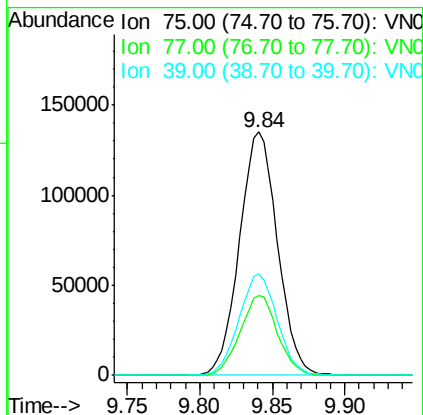
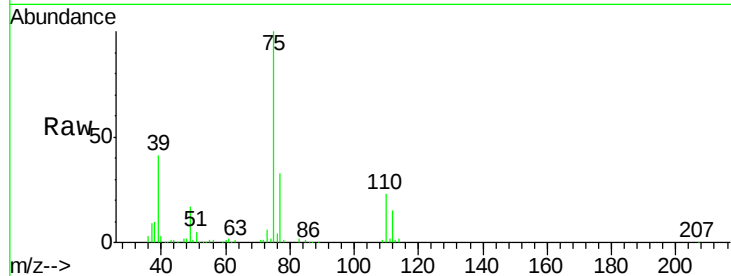


#49

cis-1,3-Dichloropropene
Concen: 19.343 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

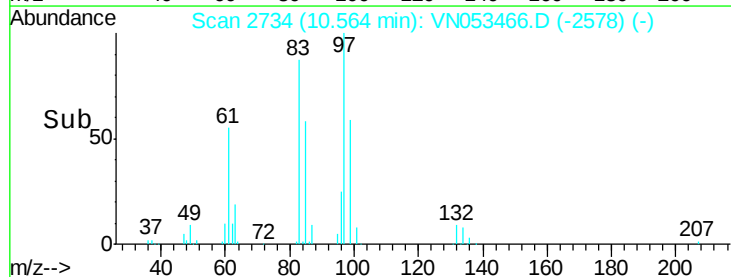
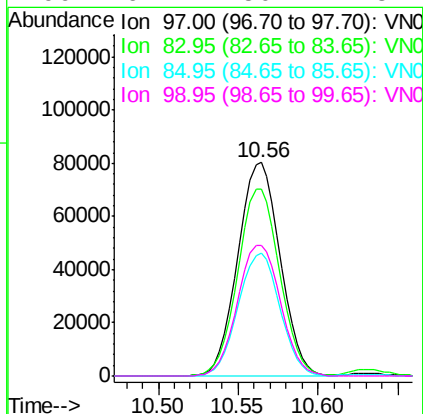
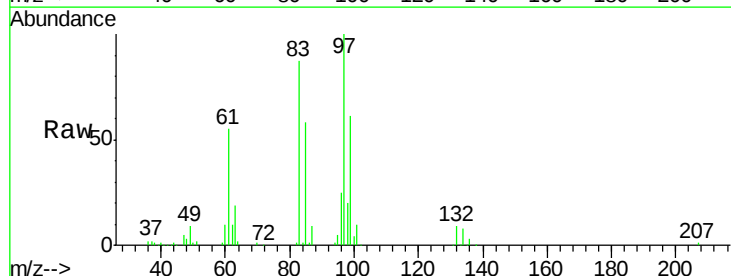
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.4	38.0
39	41.5	37.3	55.9

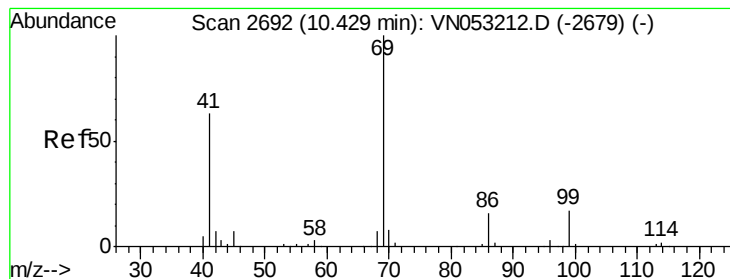


#50

1,1,2-Trichloroethane
Concen: 20.474 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.4	105.6
85	57.8	45.0	67.6
99	61.2	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.853 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

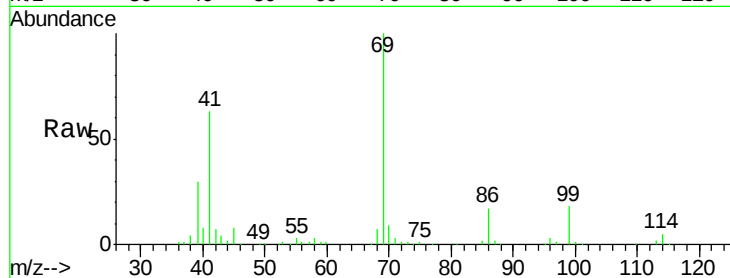
Tot Ion: 69 Resp: 183370

Ion Ratio Lower Upper

69 100

41 62.8 34.4 103.3

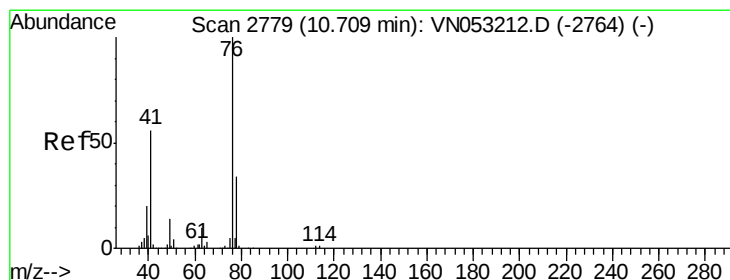
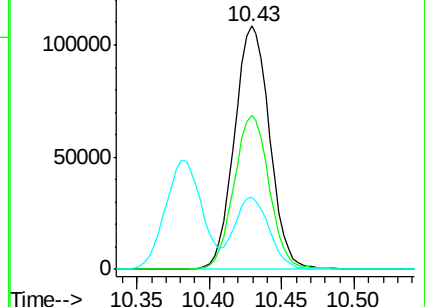
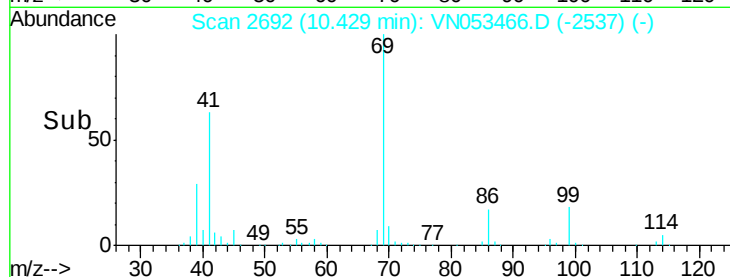
39 29.4 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN053466.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN053466.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN053466.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 20.143 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053466.D

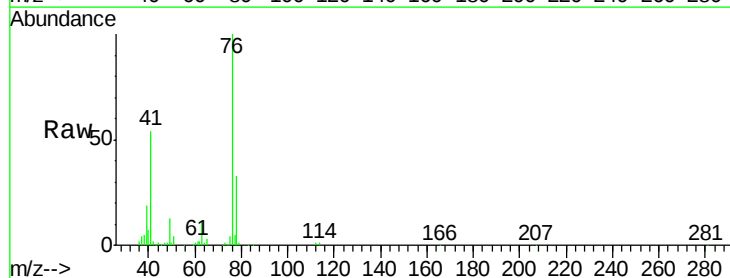
Acq: 18 Jan 2019 12:14

Tgt Ion: 76 Resp: 245916

Ion Ratio Lower Upper

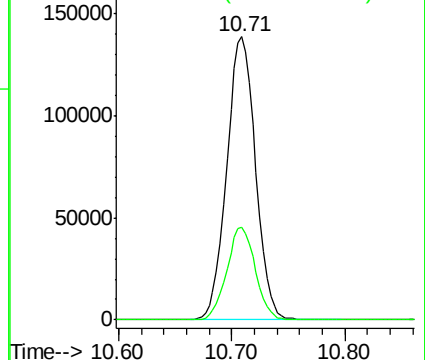
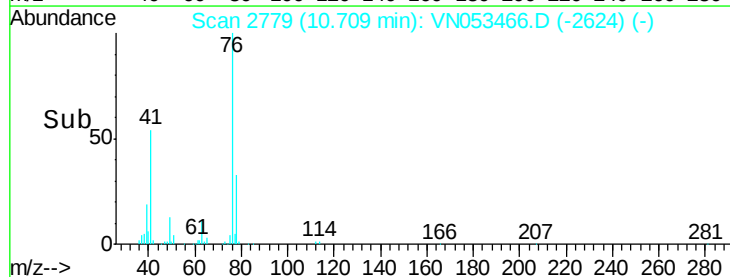
76 100

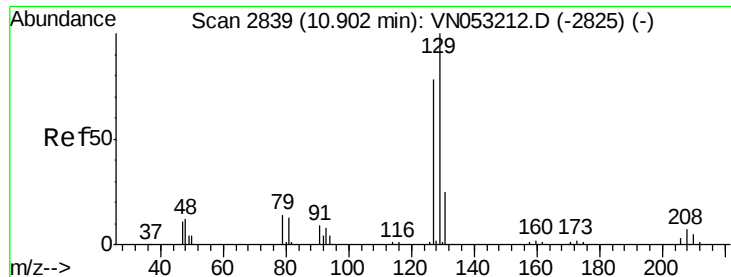
78 32.4 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN053466.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN053466.D (-2624) (-)





#53

Dibromochloromethane

Concen: 20.186 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

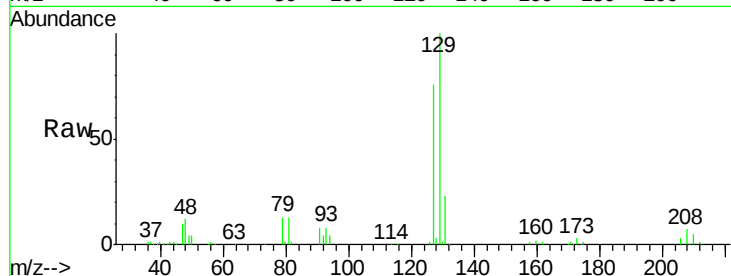
VSTDCCC020EC

Tot Ion:129 Resp: 160674

Ion Ratio Lower Upper

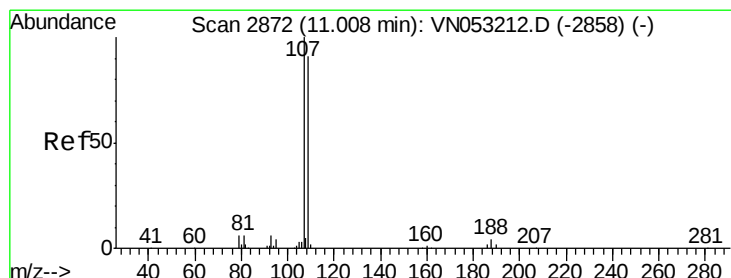
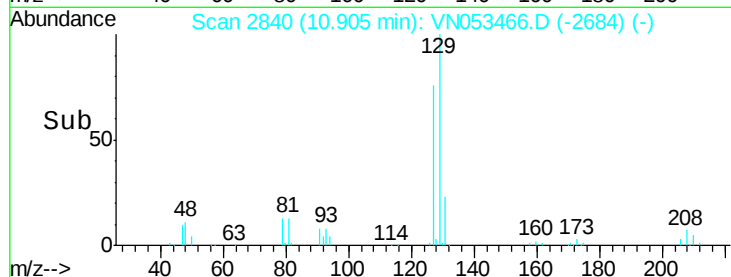
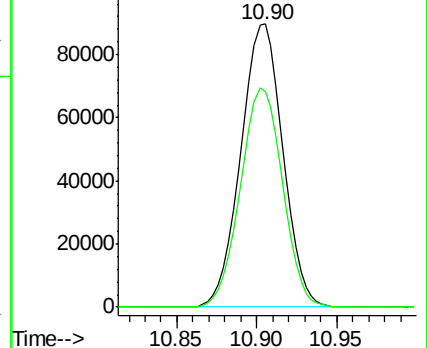
129 100

127 77.7 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.264 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN053466.D

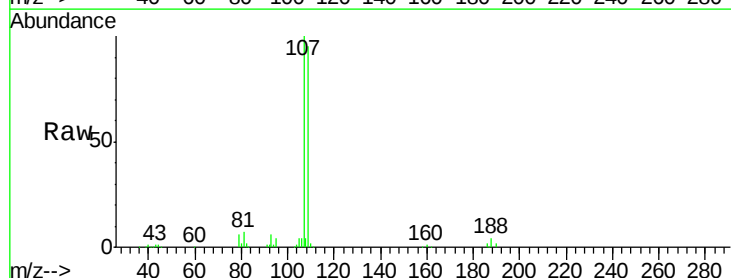
Acq: 18 Jan 2019 12:14

Tgt Ion:107 Resp: 144878

Ion Ratio Lower Upper

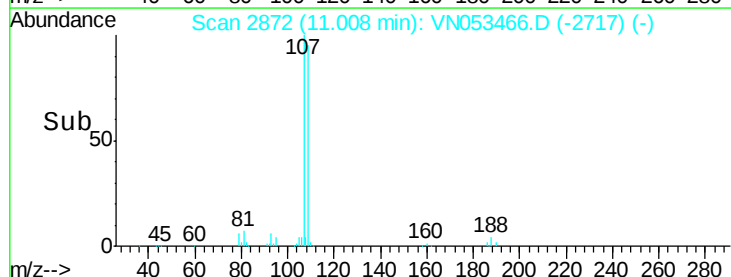
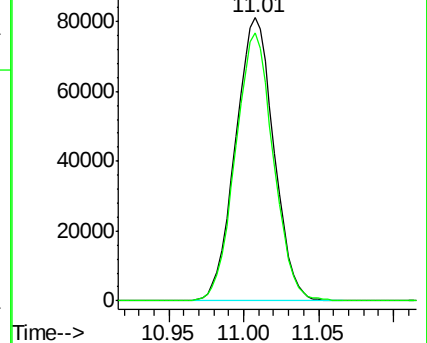
107 100

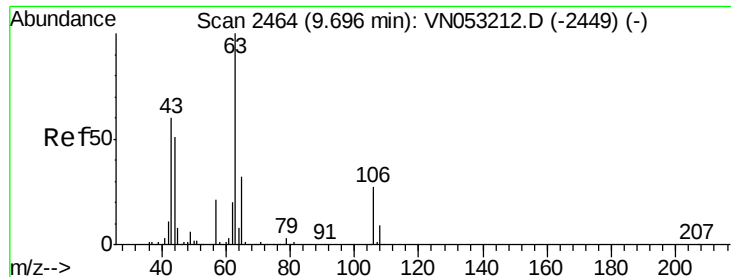
109 93.3 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

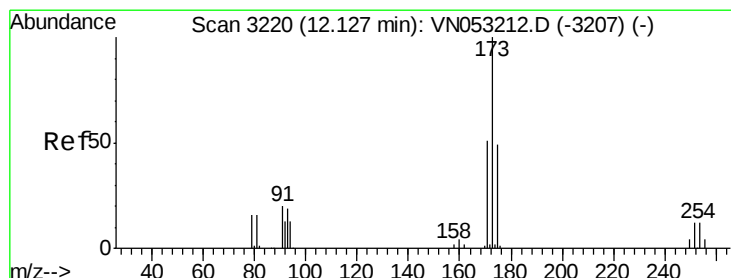
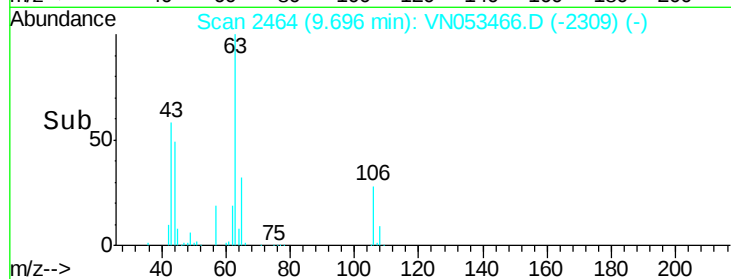
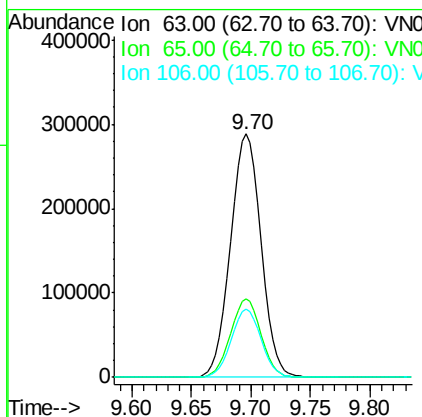
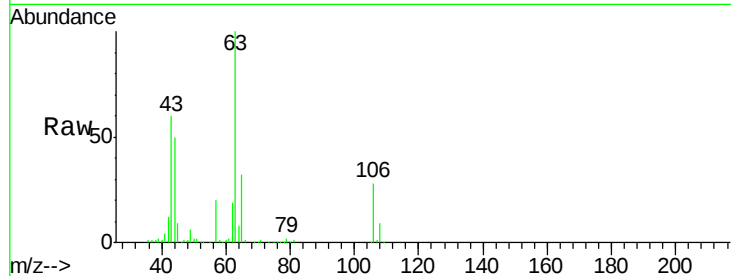




#55
 2-Chloroethyl vinyl ether
 Concen: 97.081 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

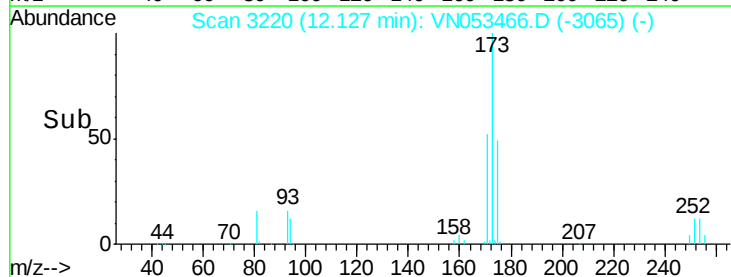
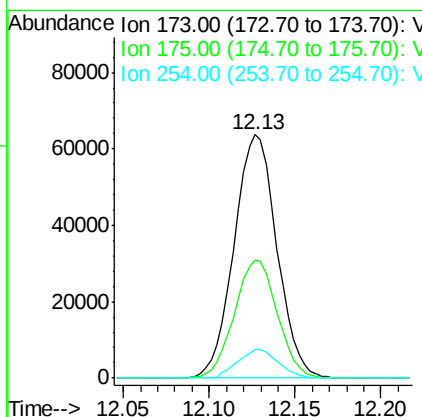
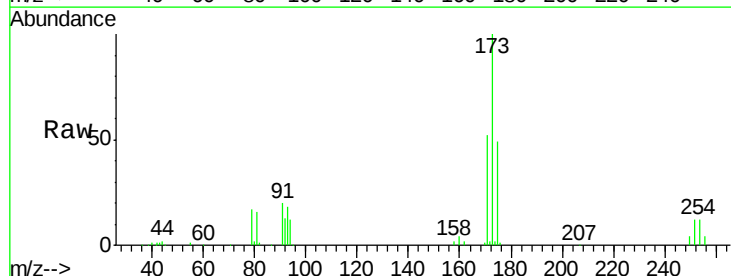
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

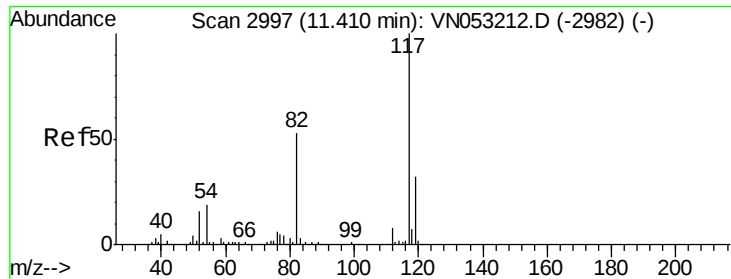
Tot Ion: 63 Resp: 514597
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.4 38.2
 106 27.4 20.4 30.6



#56
 Bromoform
 Concen: 20.198 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 173 Resp: 109978
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.7 58.1
 254 11.0 8.4 12.6

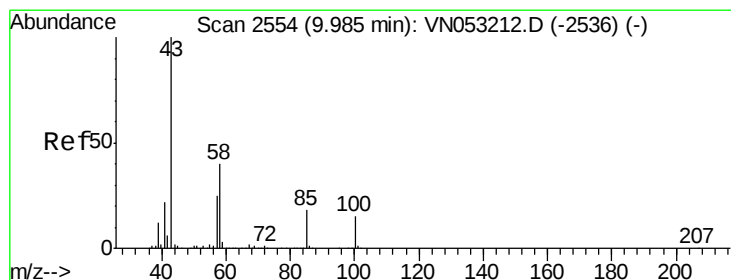
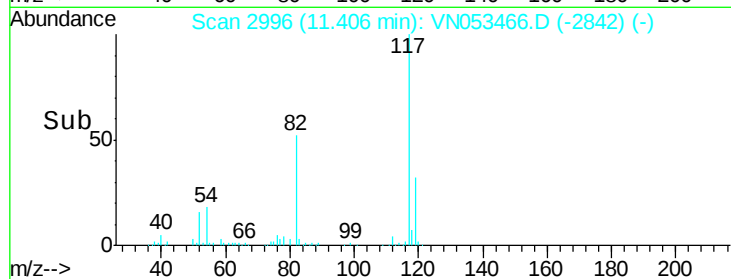
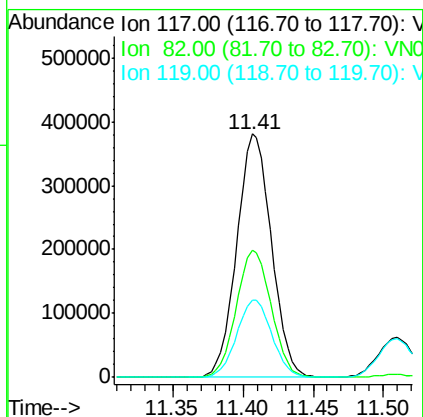
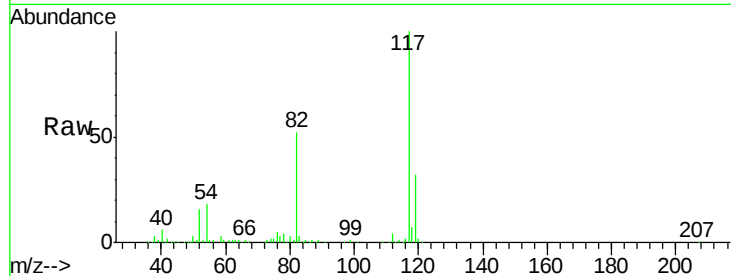




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

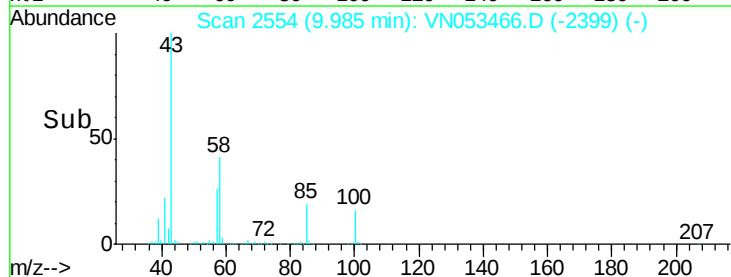
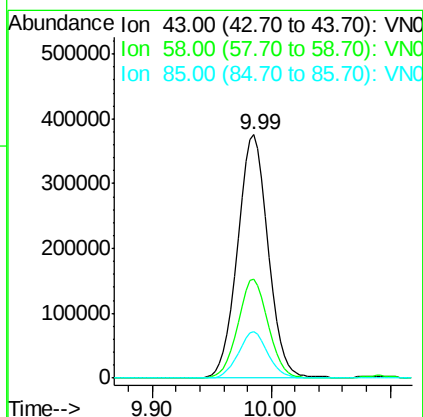
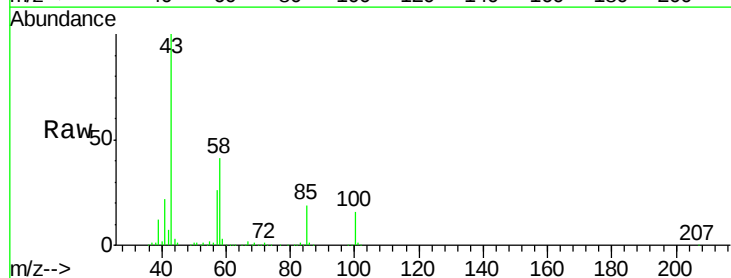
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

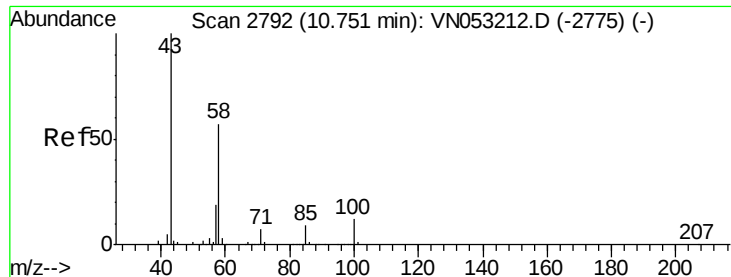
Tot Ion:117 Resp: 655724
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 32.1 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 106.663 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 43 Resp: 666468
Ion Ratio Lower Upper
43 100
58 40.5 31.6 47.4
85 18.5 13.3 19.9

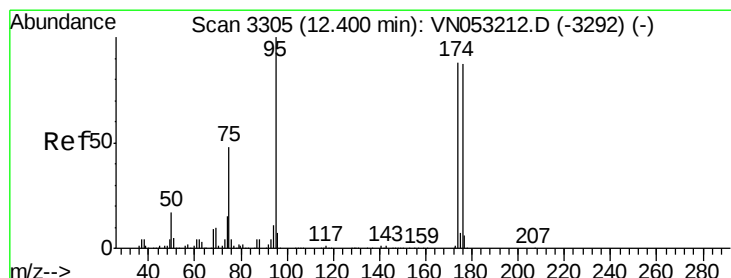
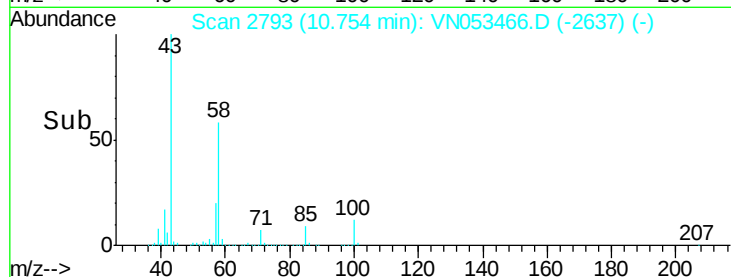
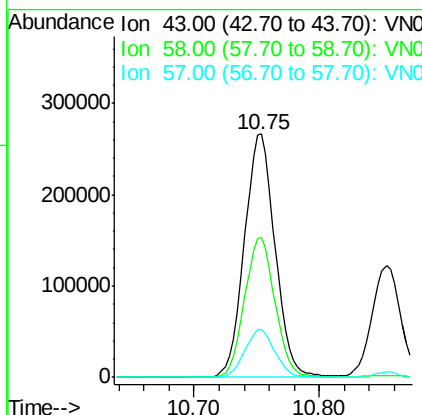
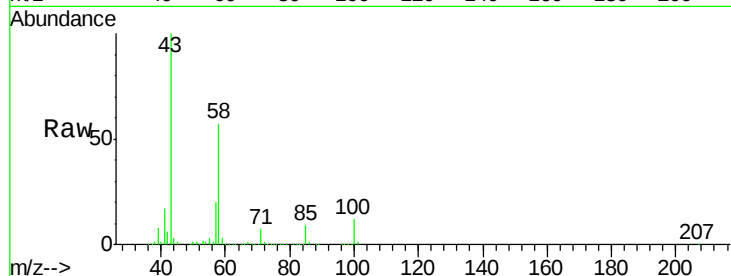




#59
2-Hexanone
Concen: 104.935 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

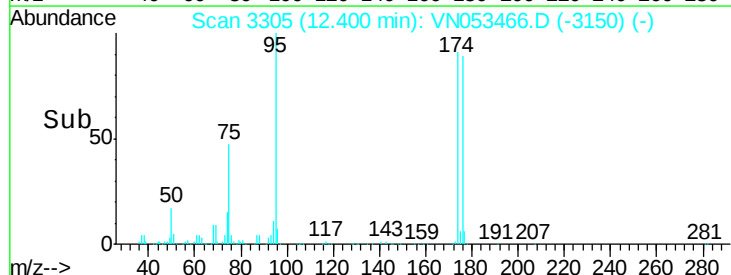
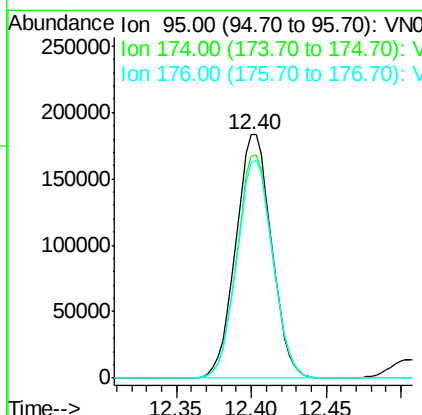
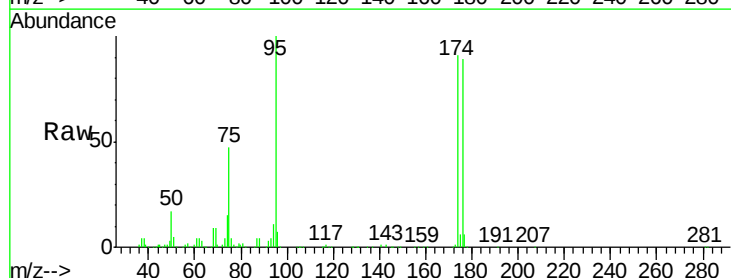
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

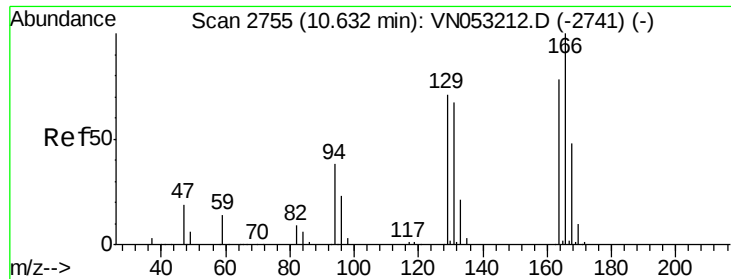
Tot Ion: 43 Resp: 452652
Ion Ratio Lower Upper
43 100
58 57.1 43.2 64.8
57 19.7 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 104.935 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 95 Resp: 305507
Ion Ratio Lower Upper
95 100
174 91.2 67.9 101.9
176 89.4 66.4 99.6





#61

Tetrachloroethene

Concen: 20.281 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 196522

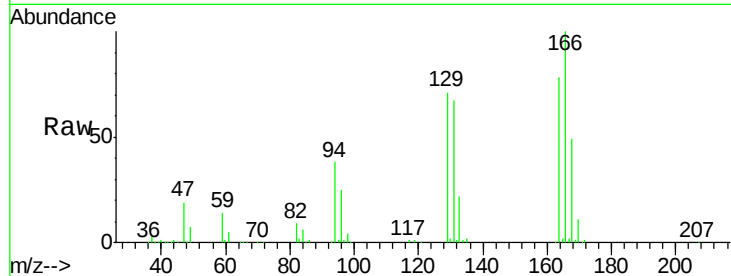
Ion Ratio Lower Upper

164 100

166 127.5 104.6 157.0

129 91.0 75.3 112.9

131 85.8 74.3 111.5

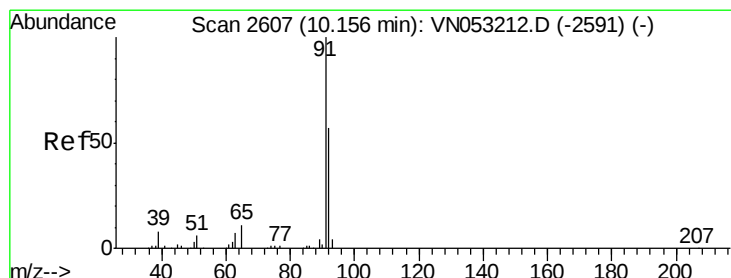
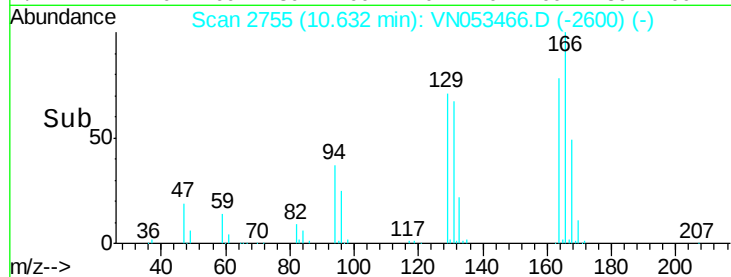
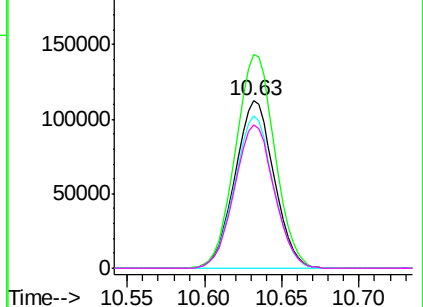


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.480 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053466.D

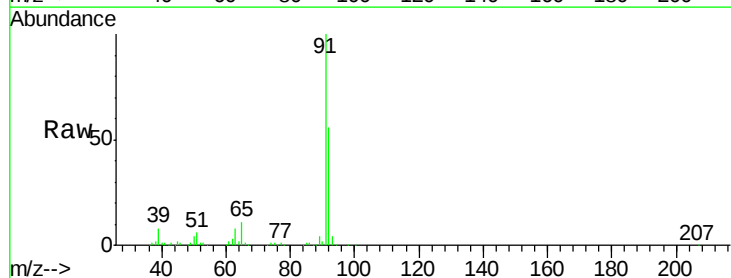
Acq: 18 Jan 2019 12:14

Tgt Ion: 91 Resp: 700530

Ion Ratio Lower Upper

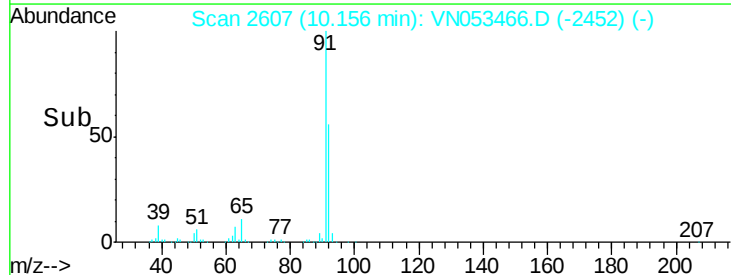
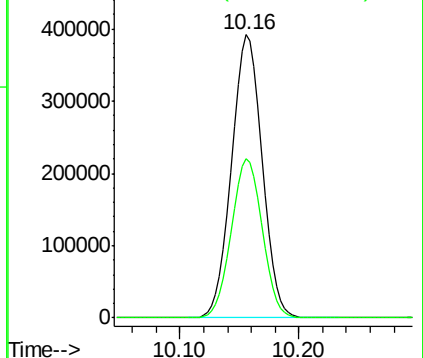
91 100

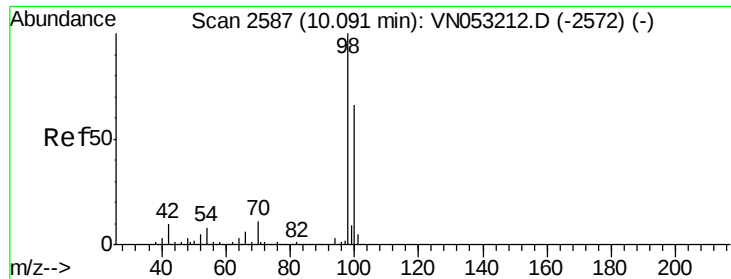
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 19.480 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

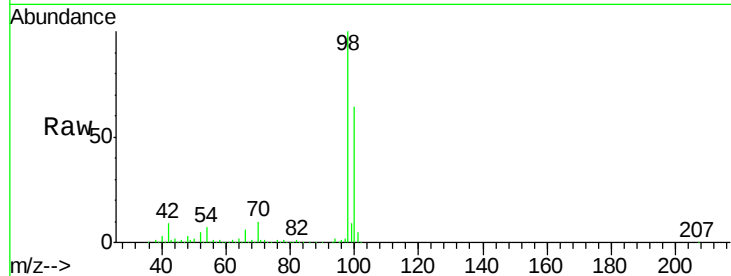
VSTDCCC020EC

Tot Ion: 98 Resp: 885582

Ion Ratio Lower Upper

98 100

100 64.4 51.1 76.7

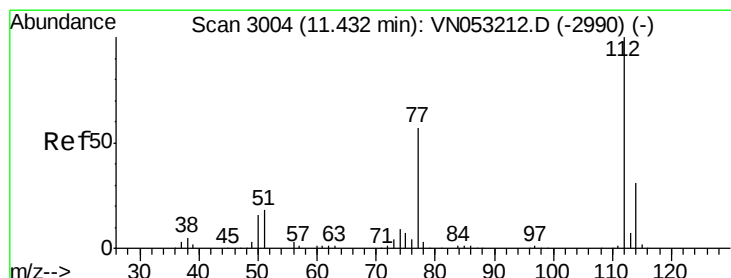
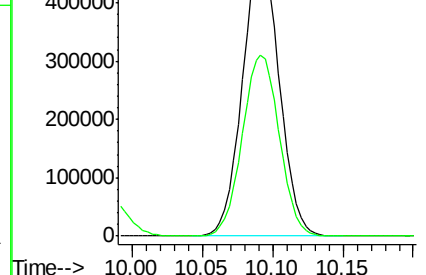
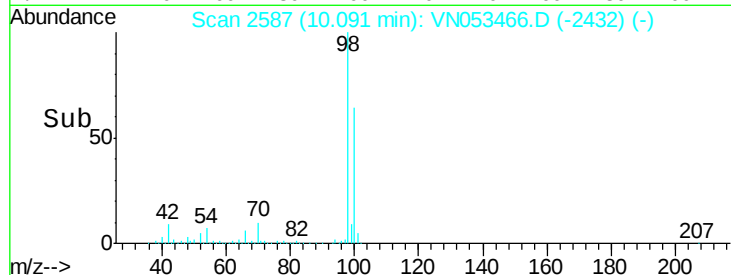


Abundance Ion 98.00 (97.70 to 98.70): VN053466.D (-2432) (-)

Ion 100.00 (99.70 to 100.70): VN053466.D (-2432) (-)

10.09

Time-->



#64

Chlorobenzene

Concen: 19.518 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053466.D

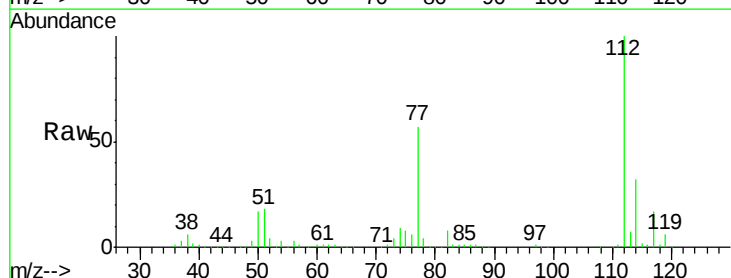
Acq: 18 Jan 2019 12:14

Tgt Ion: 112 Resp: 440471

Ion Ratio Lower Upper

112 100

114 32.1 25.6 38.4

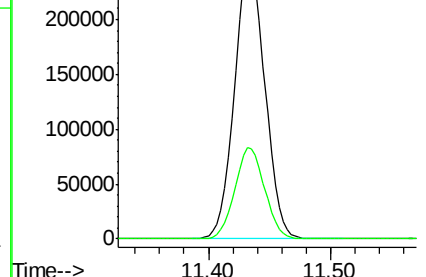
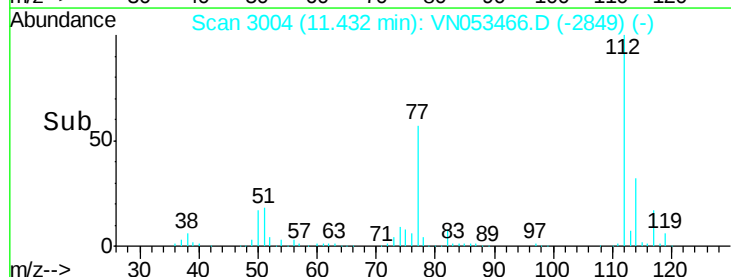


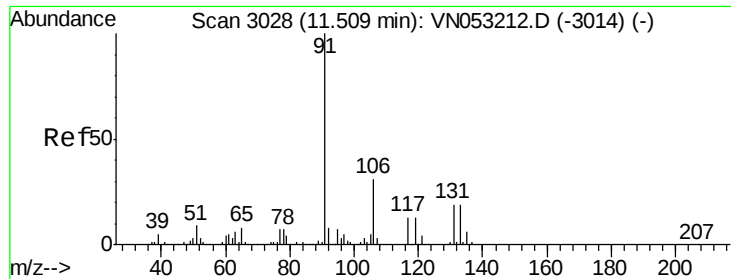
Abundance Ion 112.00 (111.70 to 112.70): VN053466.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN053466.D (-2849) (-)

11.43

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.941 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

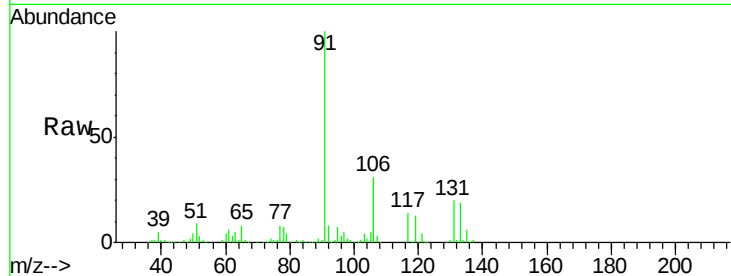
Tot Ion:131 Resp: 157853

Ion Ratio Lower Upper

131 100

133 93.7 0.0 193.4

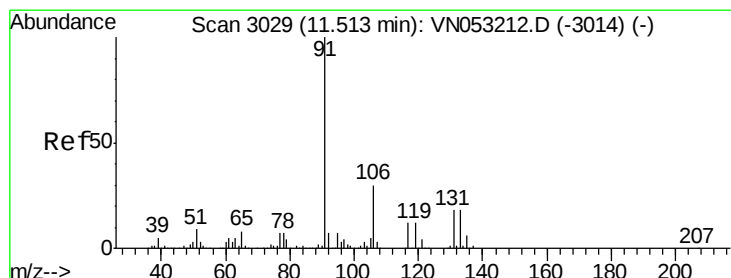
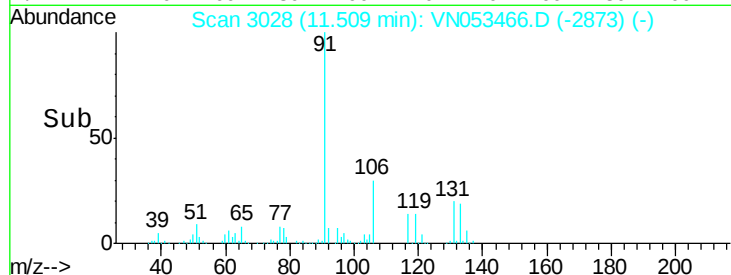
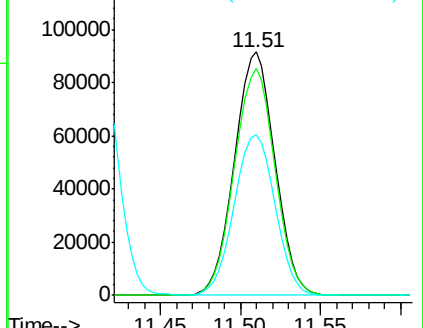
119 66.9 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.228 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053466.D

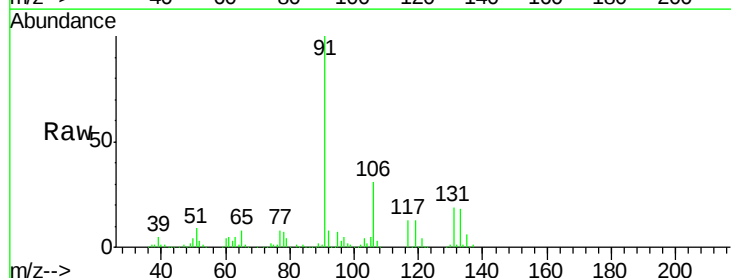
Acq: 18 Jan 2019 12:14

Tgt Ion: 91 Resp: 749862

Ion Ratio Lower Upper

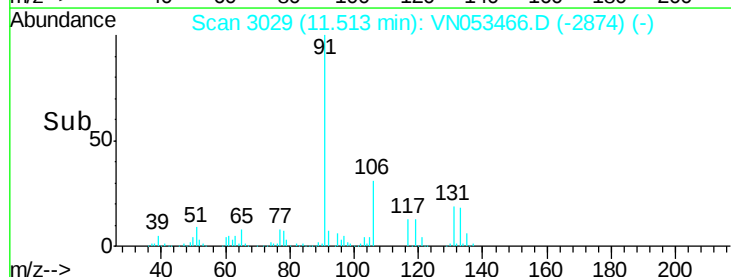
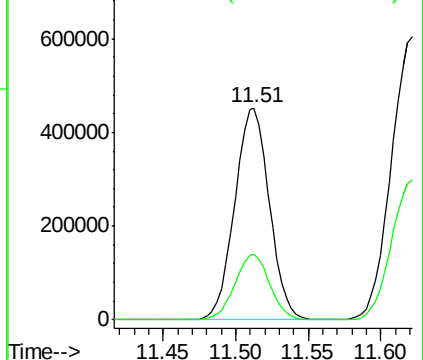
91 100

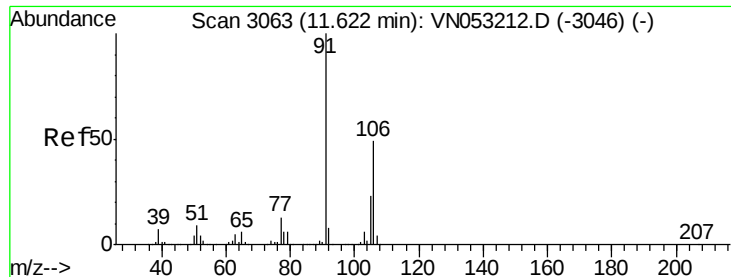
106 31.0 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.803 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

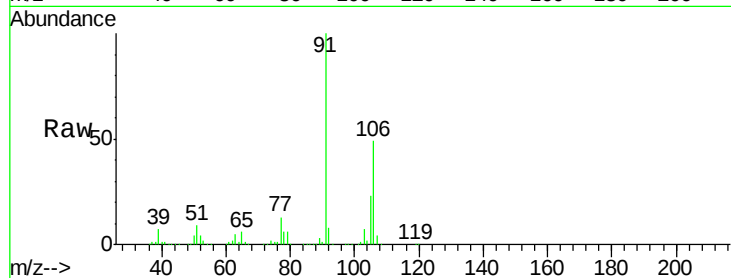
VSTDCCC020EC

Tot Ion:106 Resp: 572325

Ion Ratio Lower Upper

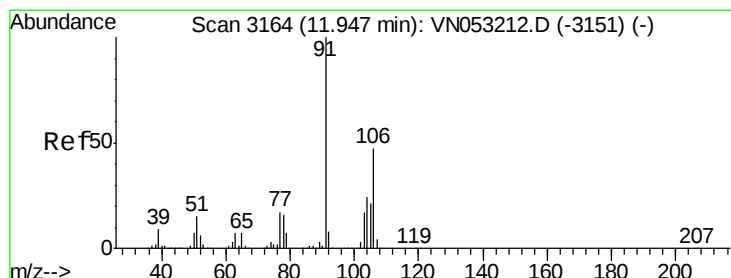
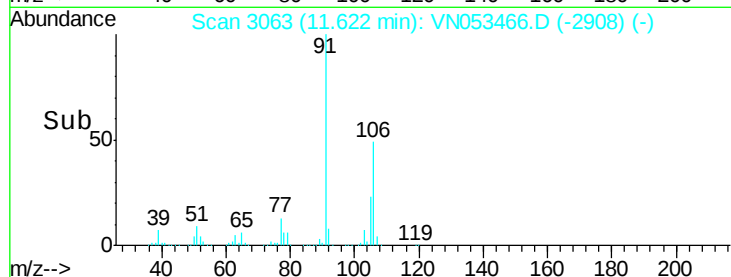
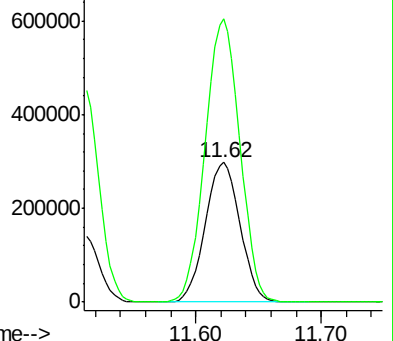
106 100

91 202.9 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.844 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN053466.D

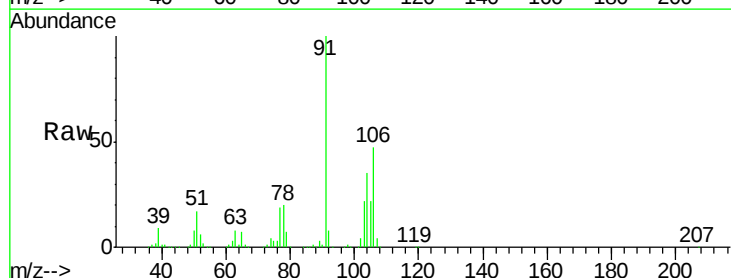
Acq: 18 Jan 2019 12:14

Tgt Ion:106 Resp: 283628

Ion Ratio Lower Upper

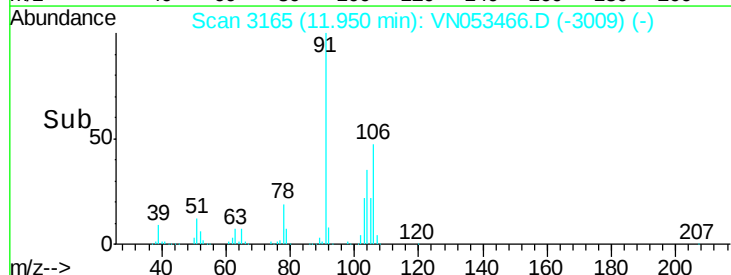
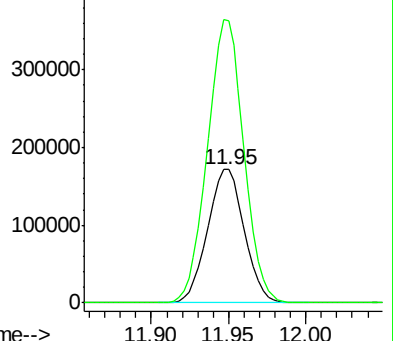
106 100

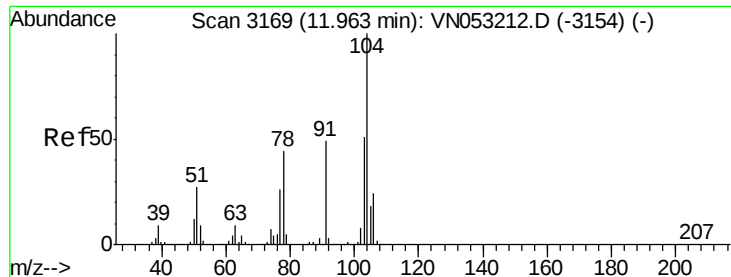
91 209.5 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

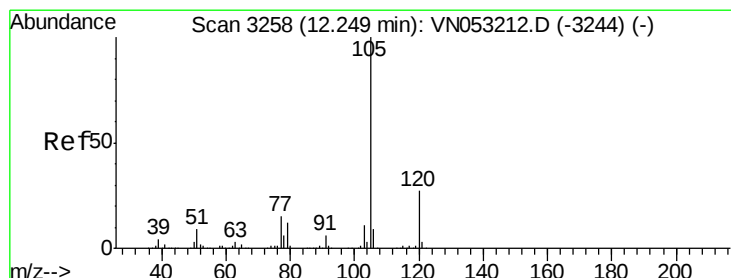
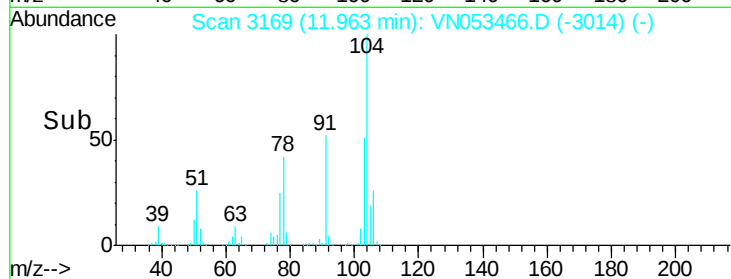
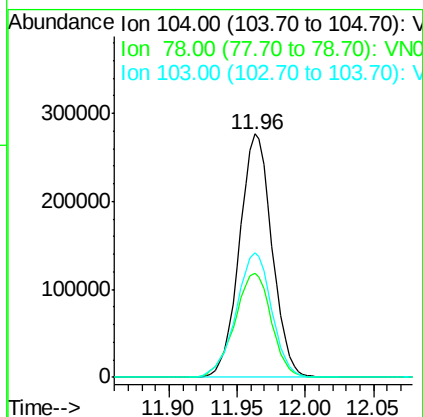
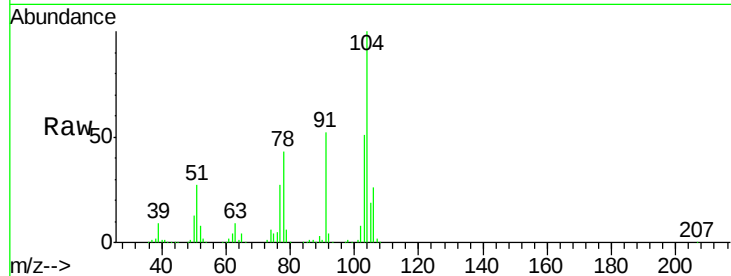




#69
Stvrene
Concen: 19.710 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

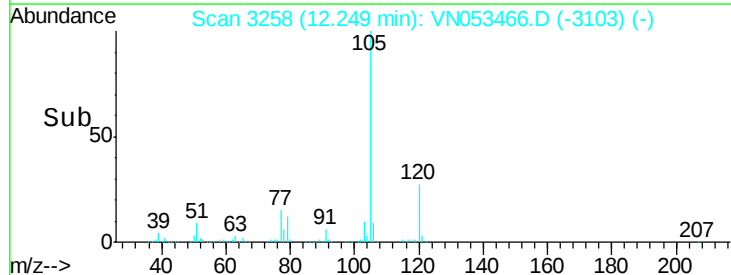
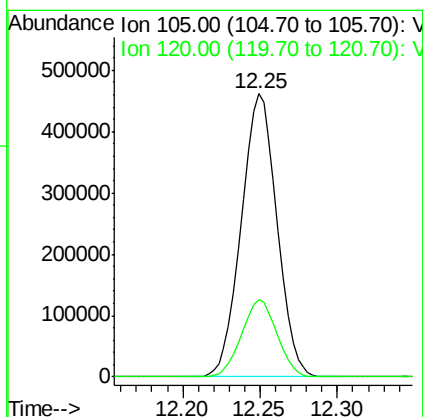
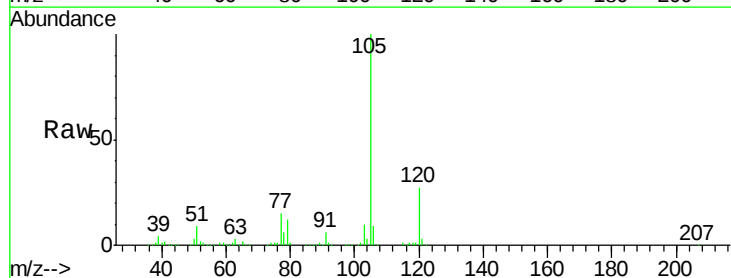
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

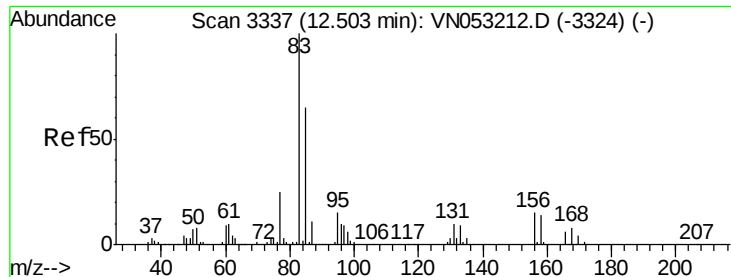
Tot Ion:104 Resp: 459826
Ion Ratio Lower Upper
104 100
78 47.8 39.3 58.9
103 55.7 44.6 66.8



#70
Isopropylbenzene
Concen: 19.721 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion:105 Resp: 741603
Ion Ratio Lower Upper
105 100
120 27.0 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 21.148 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

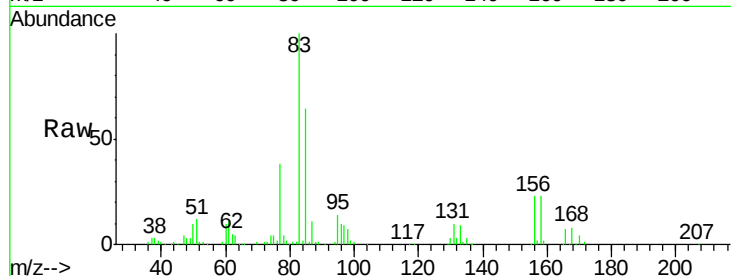
Tot Ion: 83 Resp: 167405

Ion Ratio Lower Upper

83 100

131 10.5 4.9 14.6

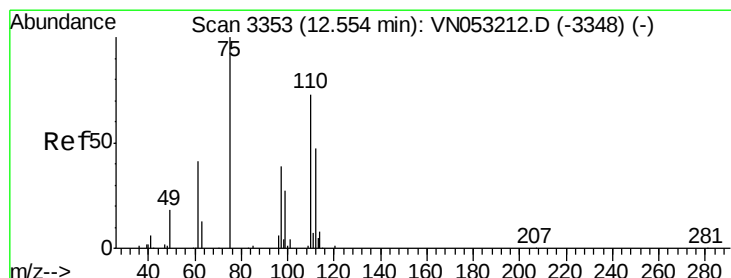
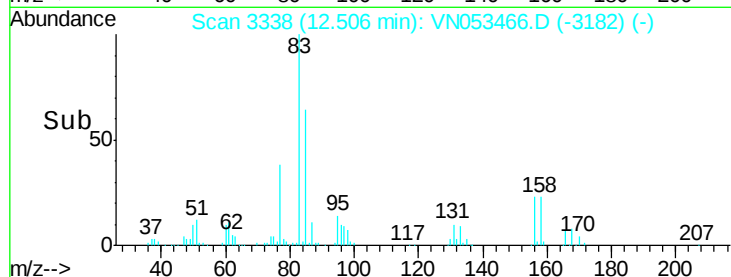
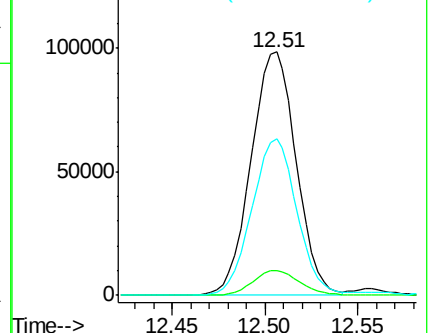
85 64.2 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 31.522 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053466.D

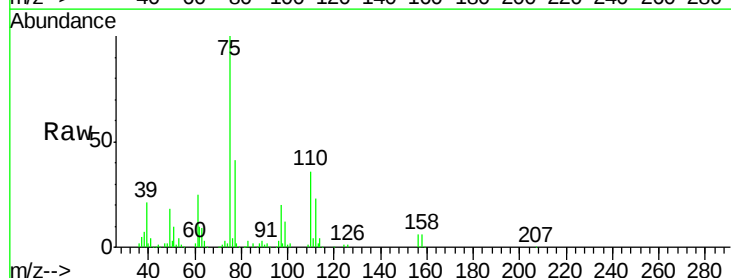
Acq: 18 Jan 2019 12:14

Tgt Ion: 75 Resp: 218516

Ion Ratio Lower Upper

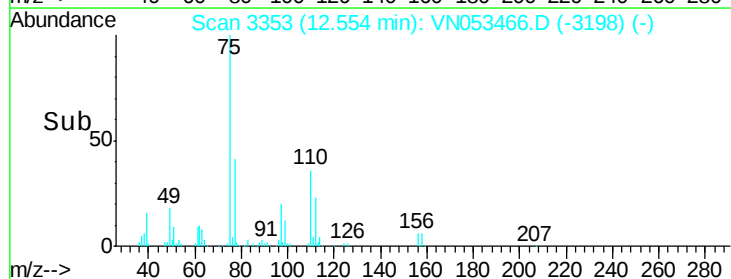
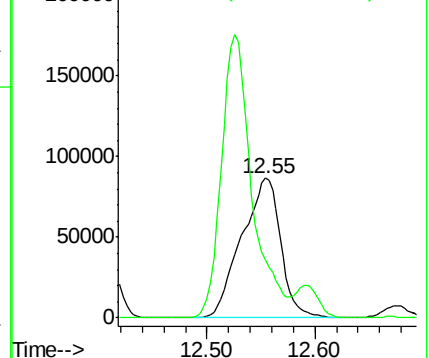
75 100

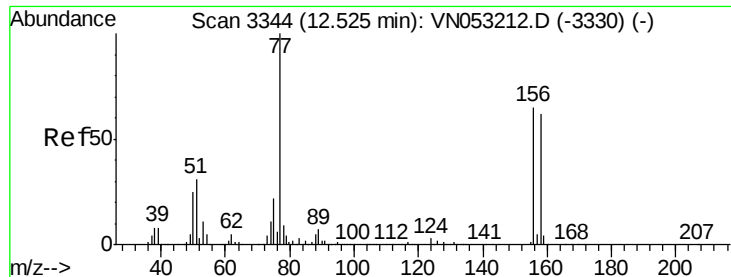
77 158.4 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.316 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

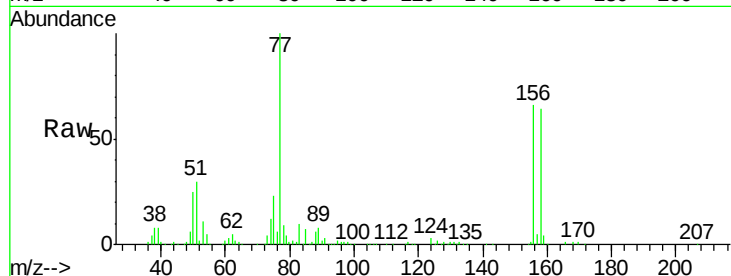
Tot Ion:156 Resp: 196379

Ion Ratio Lower Upper

156 100

77 176.2 0.0 382.6

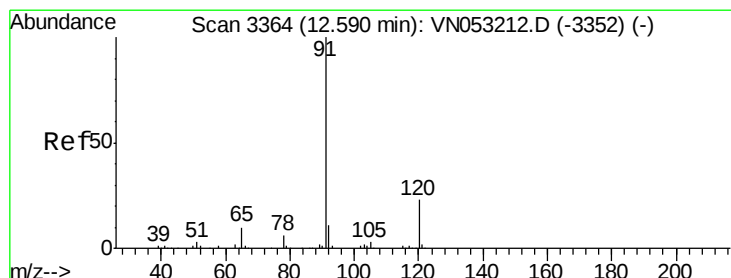
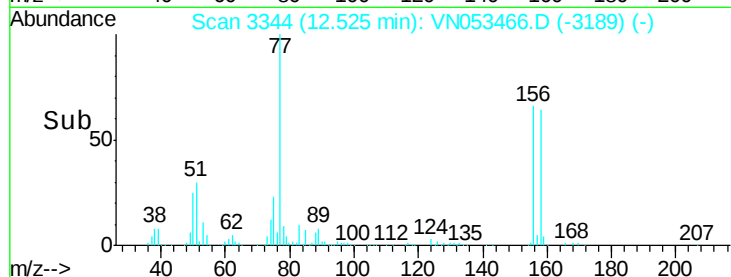
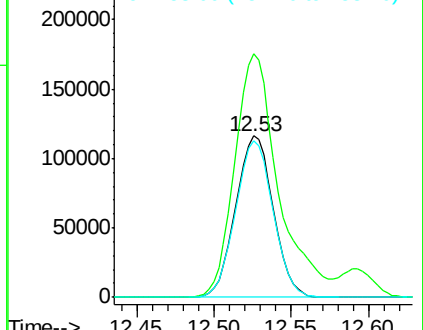
158 96.9 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.998 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053466.D

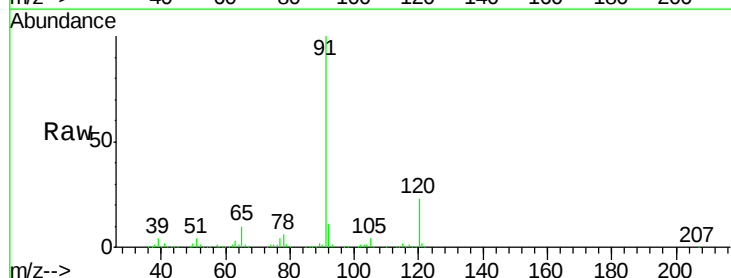
Acq: 18 Jan 2019 12:14

Tgt Ion: 91 Resp: 851289

Ion Ratio Lower Upper

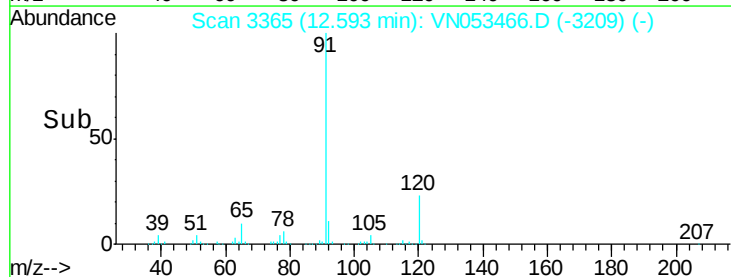
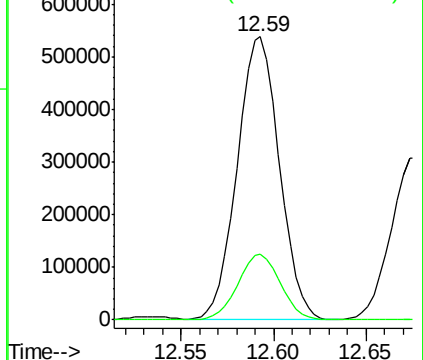
91 100

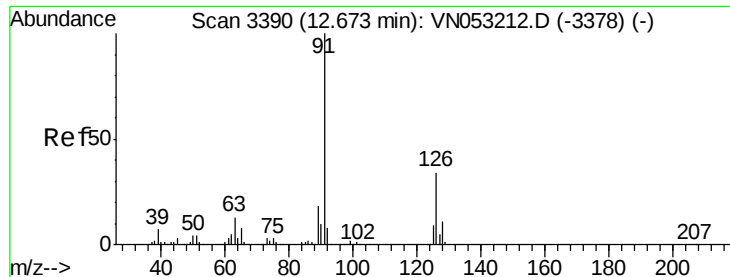
120 23.3 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.005 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

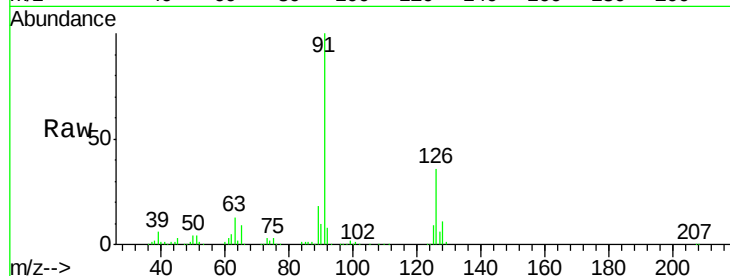
VSTDCCC020EC

Tot Ion: 91 Resp: 504338

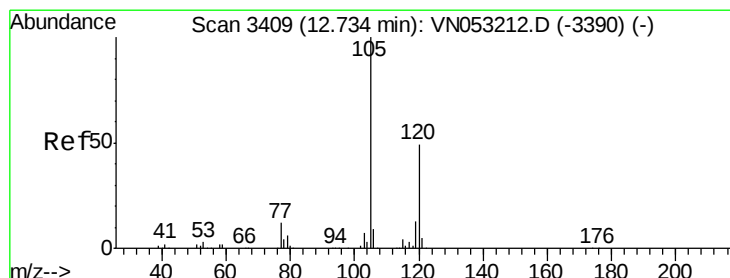
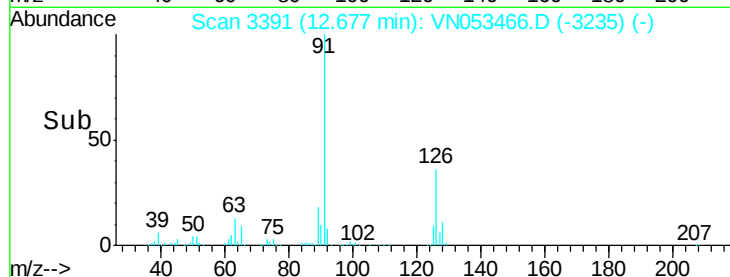
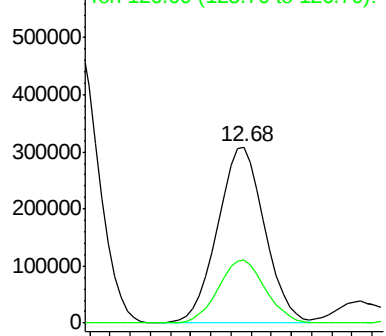
Ion Ratio Lower Upper

91 100

126 36.1 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN053212.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.227 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053466.D

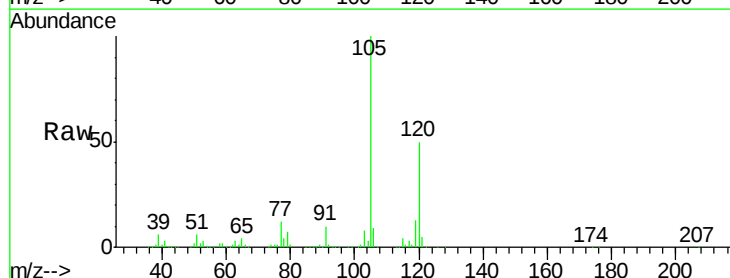
Acq: 18 Jan 2019 12:14

Tgt Ion: 105 Resp: 603380

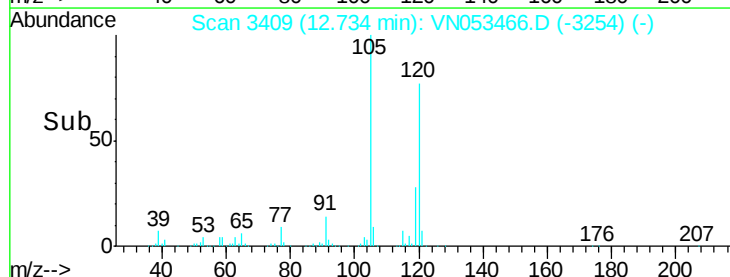
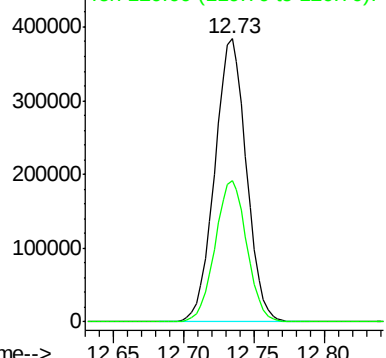
Ion Ratio Lower Upper

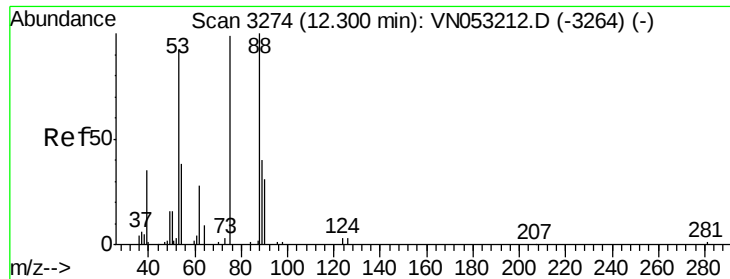
105 100

120 49.8 0.0 97.4



Abundance Ion 105.00 (104.70 to 105.70): VN053212.D (-3390) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.751 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

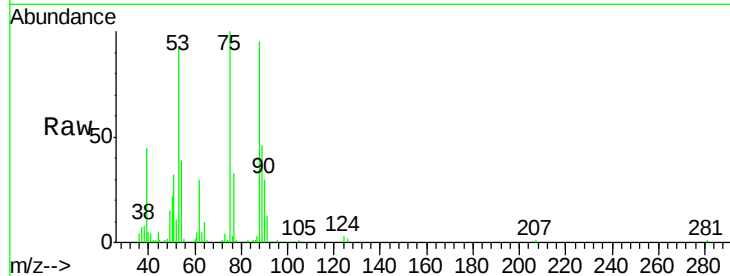
Tot Ion: 75 Resp: 48108

Ion Ratio Lower Upper

75 100

53 91.9 48.5 145.6

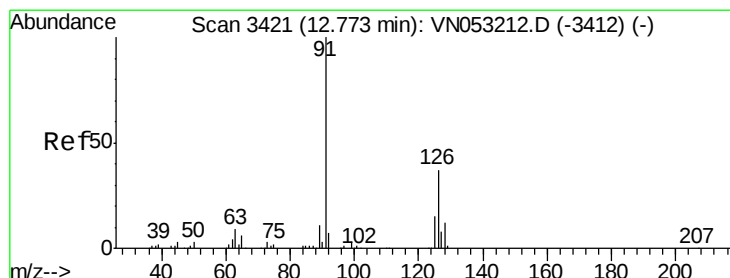
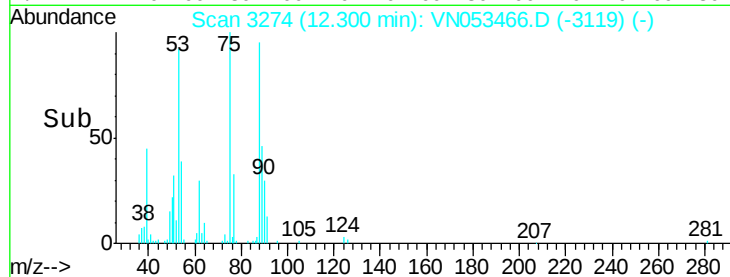
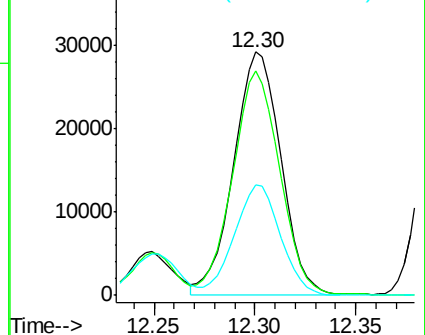
89 45.8 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.817 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053466.D

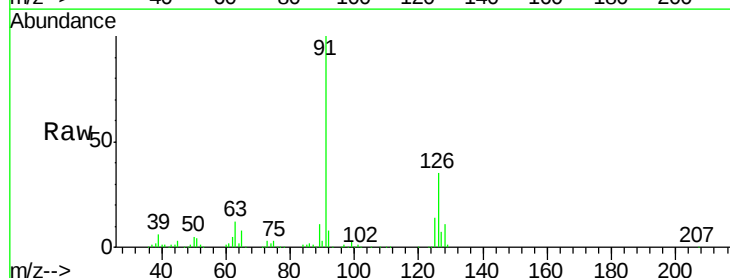
Acq: 18 Jan 2019 12:14

Tgt Ion: 91 Resp: 508563

Ion Ratio Lower Upper

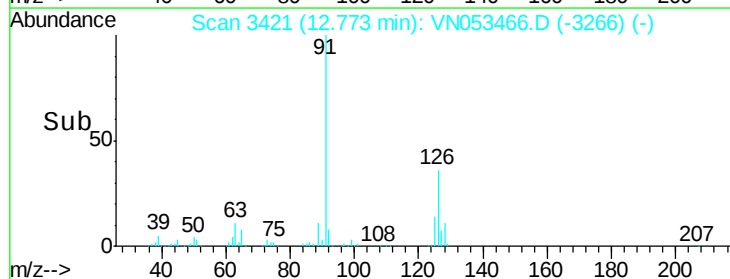
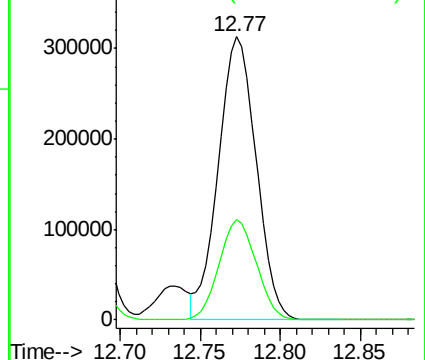
91 100

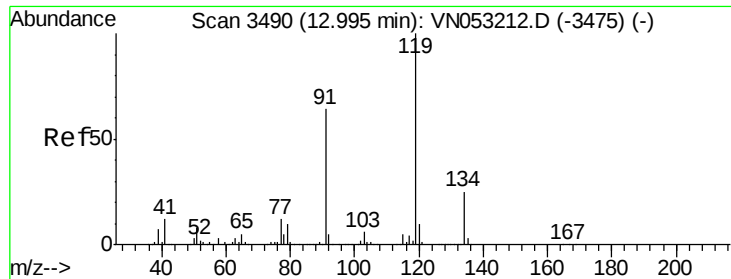
126 35.0 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

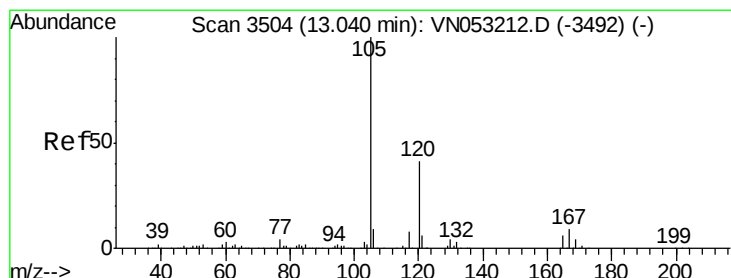
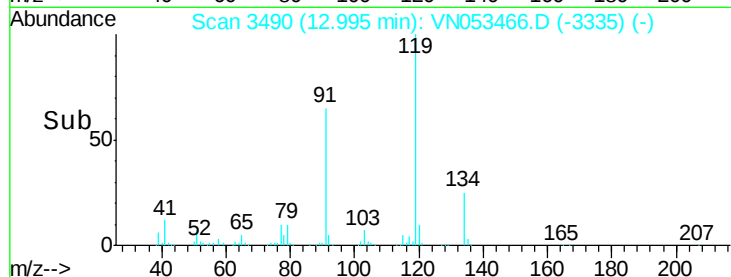
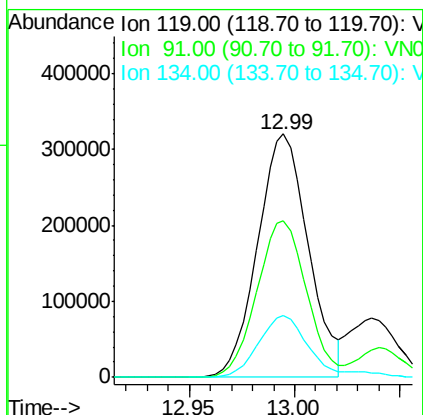
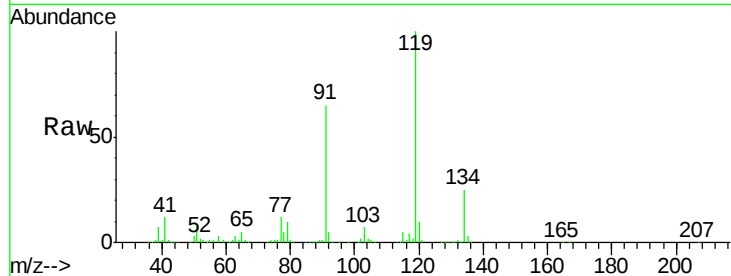




#79
tert-butylbenzene
Concen: 20.573 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

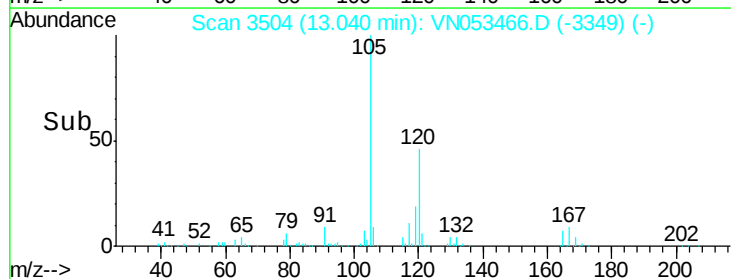
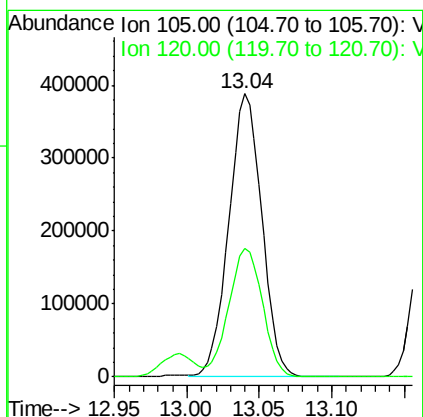
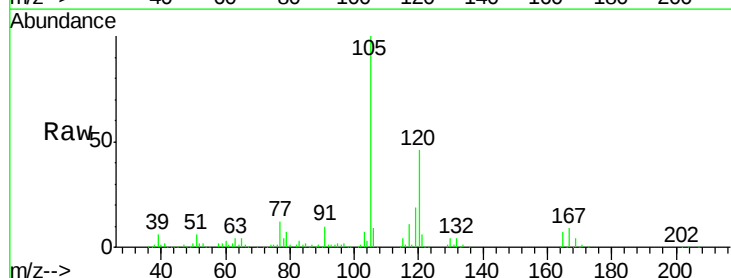
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

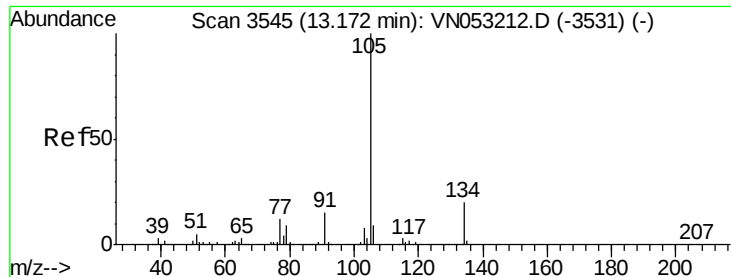
Tot Ion:119 Resp: 535220
Ion Ratio Lower Upper
119 100
91 63.4 0.0 129.8
134 26.0 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.500 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion:105 Resp: 612904
Ion Ratio Lower Upper
105 100
120 46.6 0.0 91.0

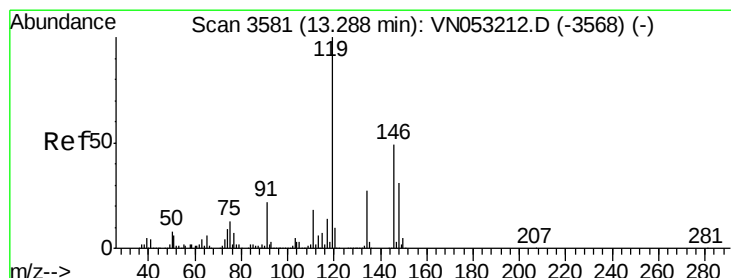
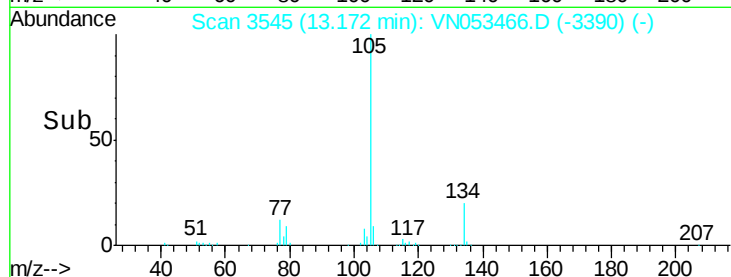
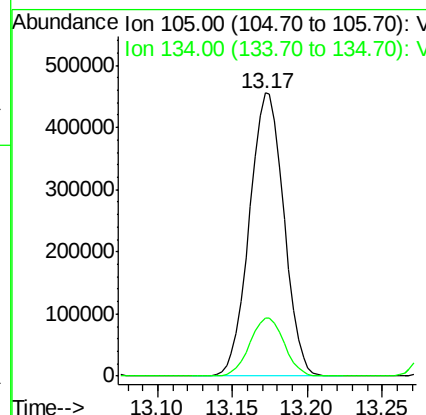
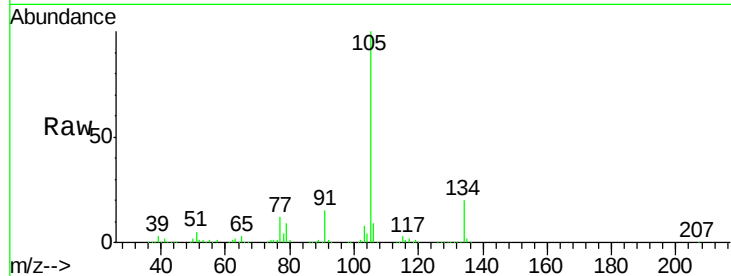




#81
 sec-Butylbenzene
 Concen: 21.215 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

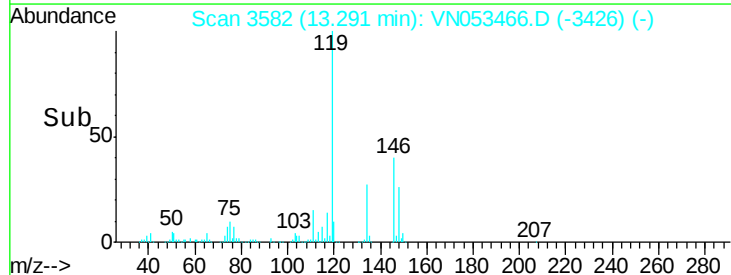
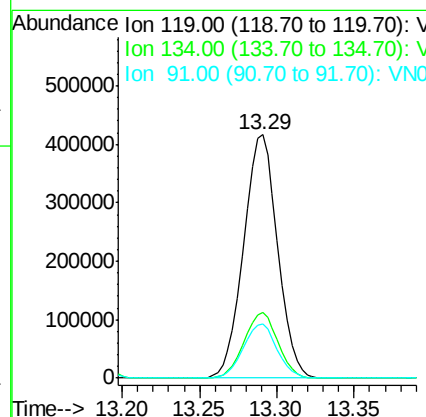
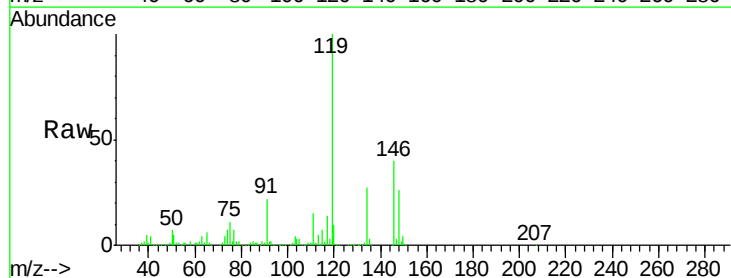
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

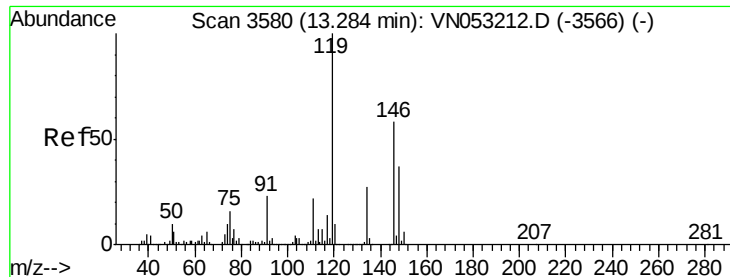
Tot Ion:105 Resp: 730858
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 21.288 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion:119 Resp: 633714
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 52.6
 91 22.2 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 20.569 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

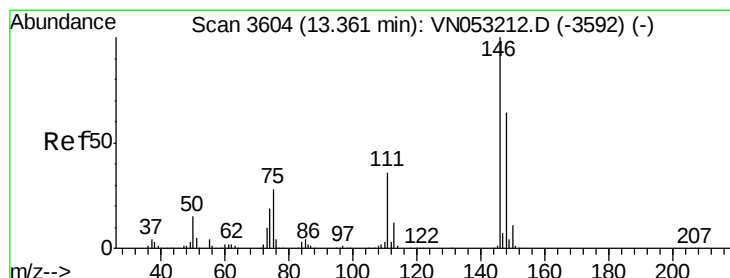
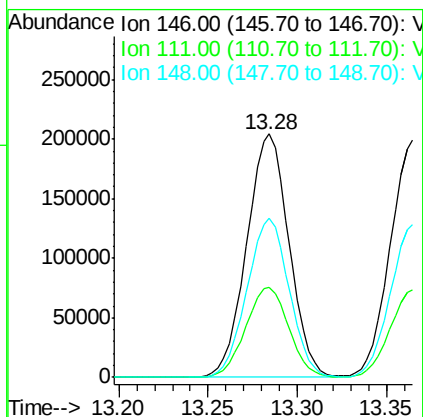
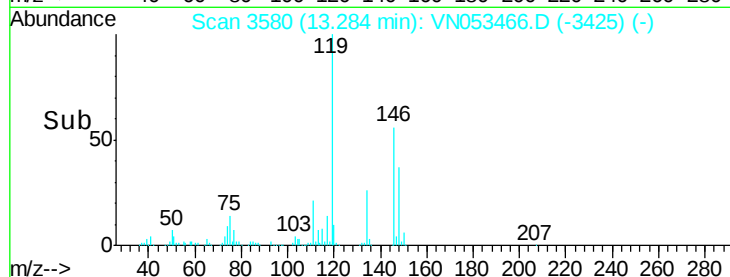
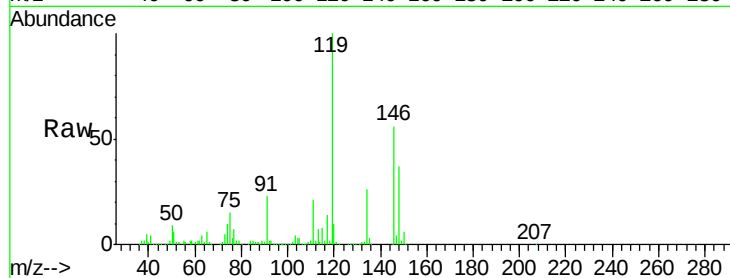
Tot Ion:146 Resp: 338532

Ion Ratio Lower Upper

146 100

111 37.7 19.7 59.0

148 65.3 32.3 96.8



#84

1,4-Dichlorobenzene

Concen: 20.659 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

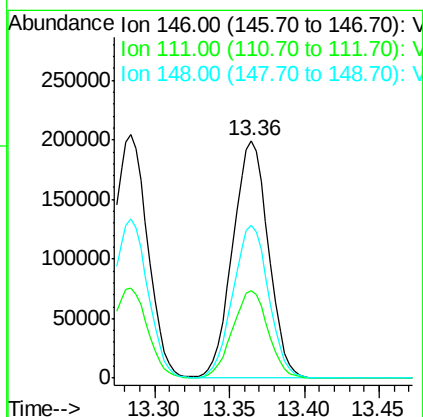
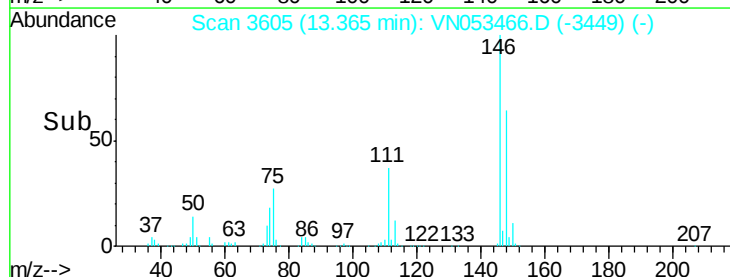
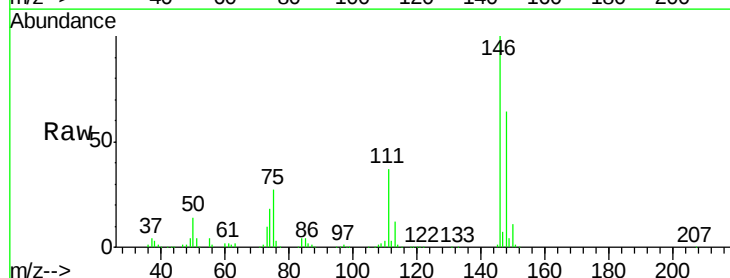
Tgt Ion:146 Resp: 331444

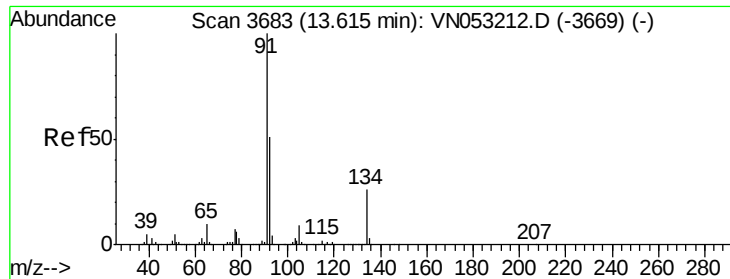
Ion Ratio Lower Upper

146 100

111 36.6 18.8 56.3

148 64.5 32.5 97.4

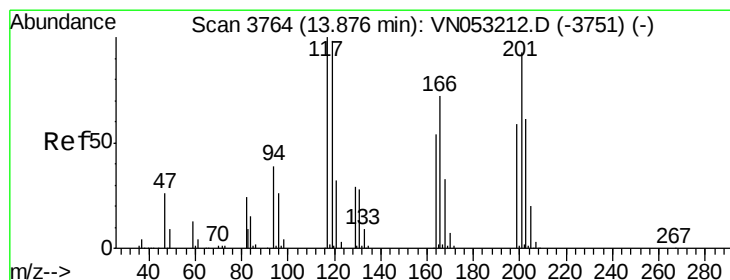
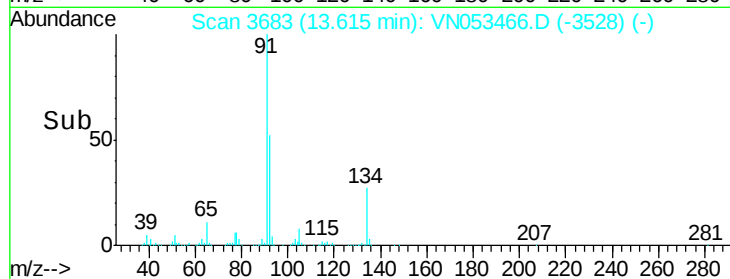
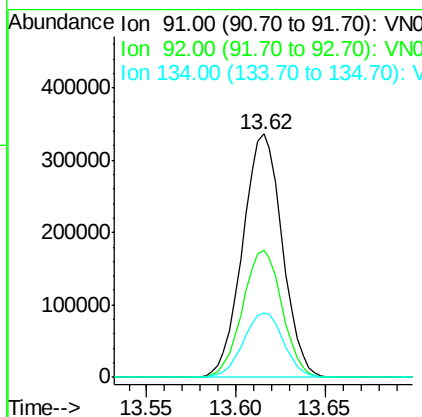
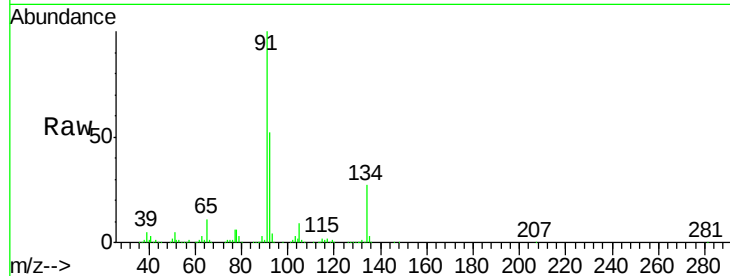




#85
n-Butylbenzene
Concen: 21.529 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

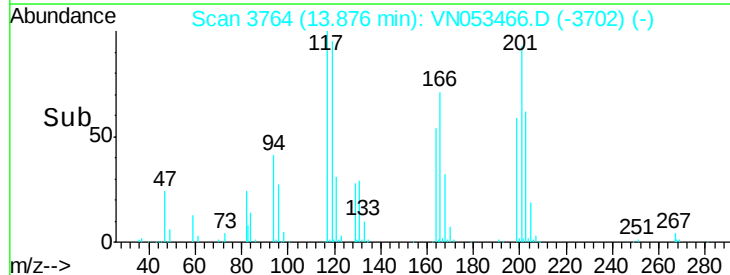
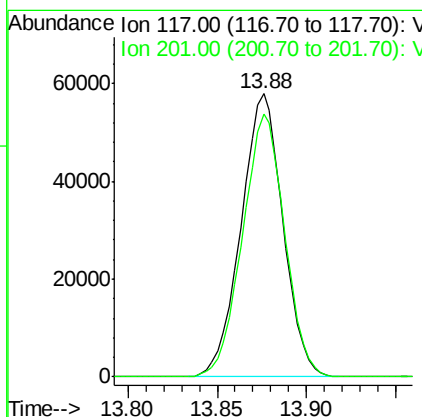
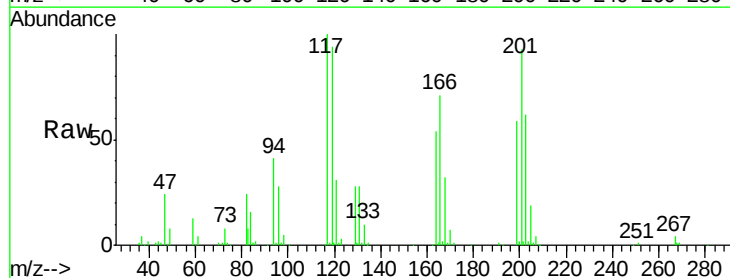
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

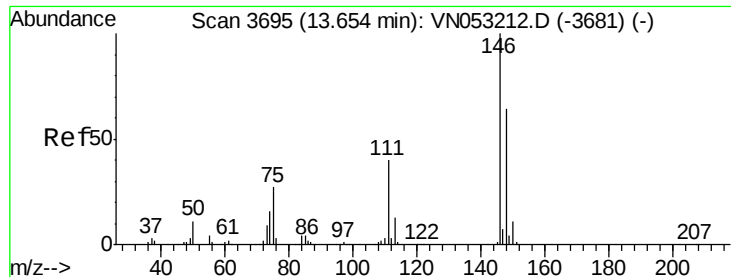
Tot Ion: 91 Resp: 521189
Ion Ratio Lower Upper
91 100
92 51.9 0.0 104.2
134 26.9 0.0 50.6



#86
Hexachloroethane
Concen: 20.036 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053466.D
Acq: 18 Jan 2019 12:14

Tgt Ion: 117 Resp: 95227
Ion Ratio Lower Upper
117 100
201 93.1 43.8 131.3

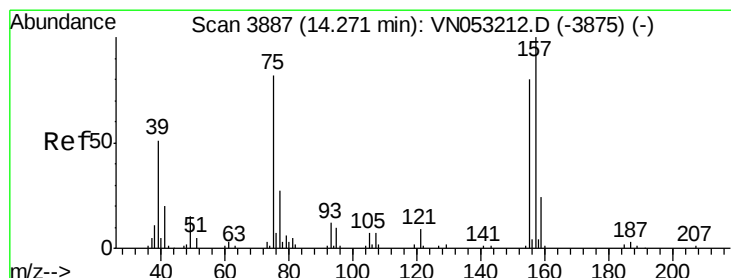
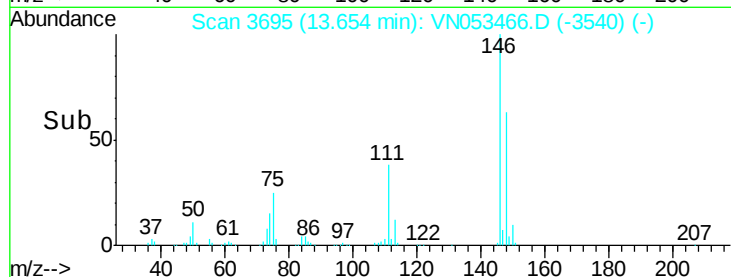
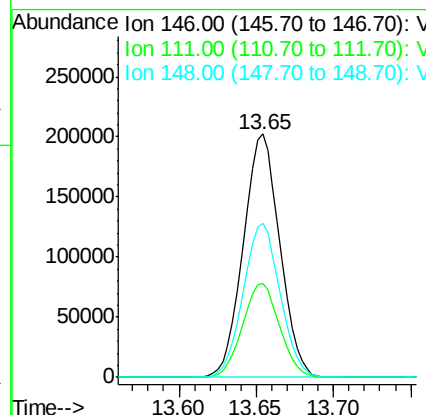
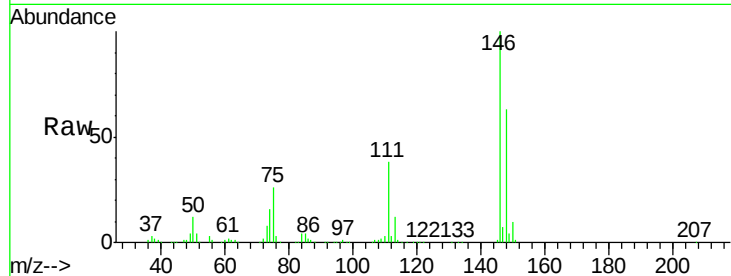




#87
 1,2-Dichlorobenzene
 Concen: 21.705 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

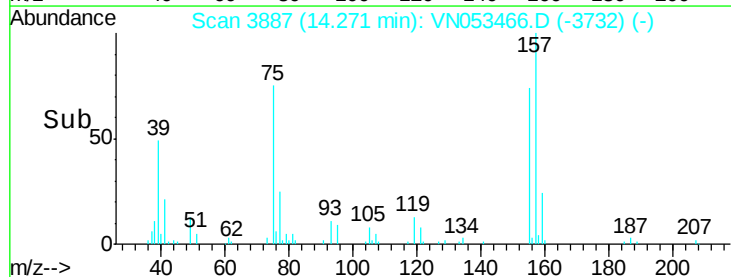
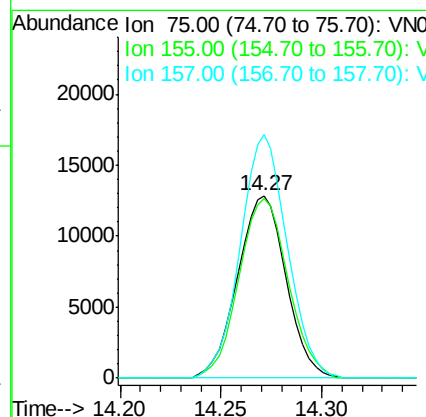
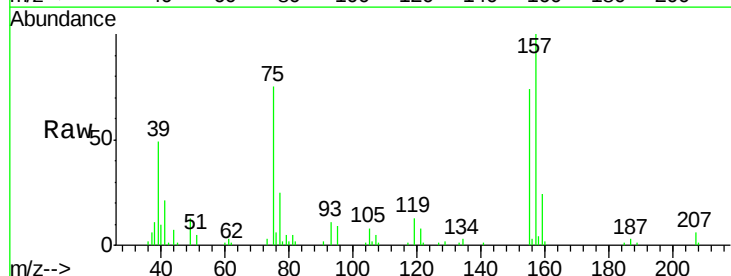
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

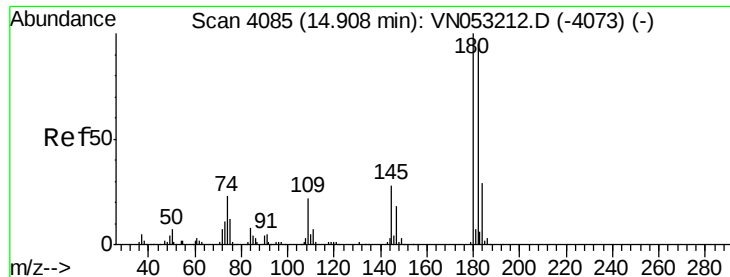
Tot Ion:146 Resp: 331945
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.3 60.8
 148 64.0 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.169 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion: 75 Resp: 21701
 Ion Ratio Lower Upper
 75 100
 155 99.6 72.2 108.2
 157 128.8 94.2 141.2

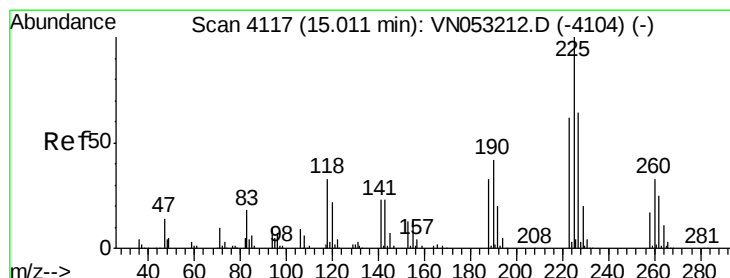
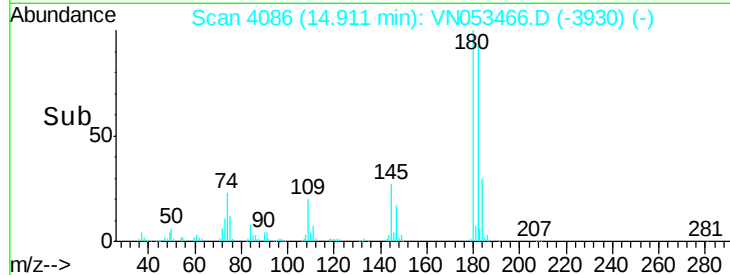
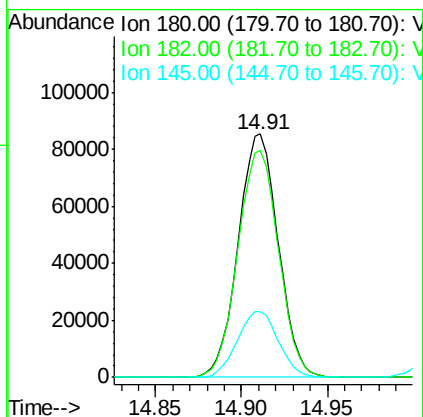
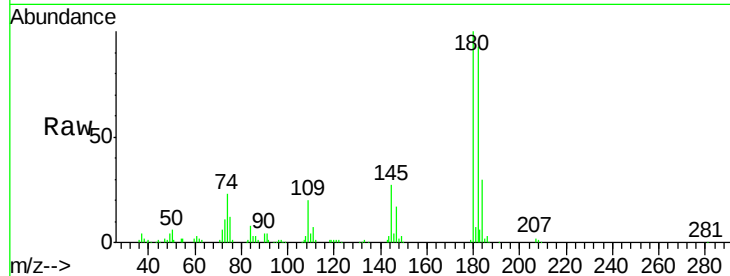




#89
 1,2,4-Trichlorobenzene
 Concen: 18.651 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

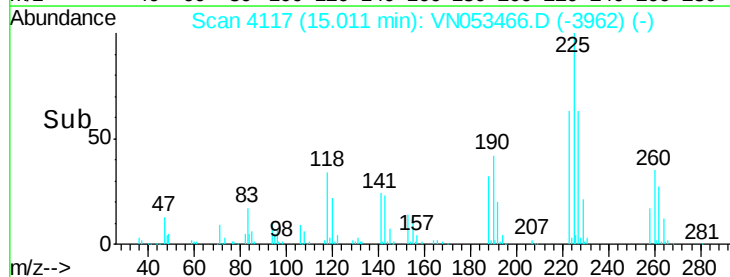
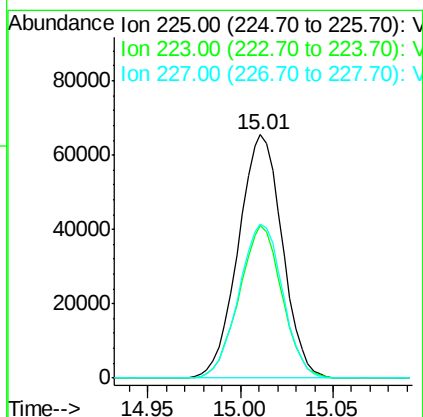
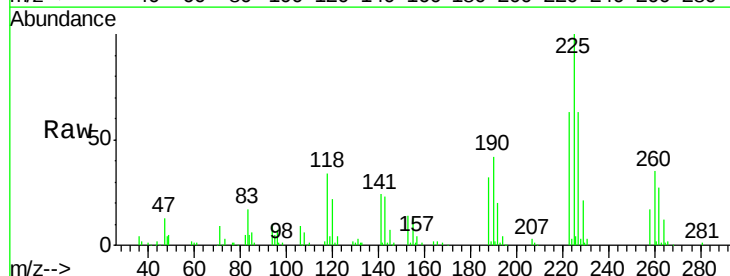
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

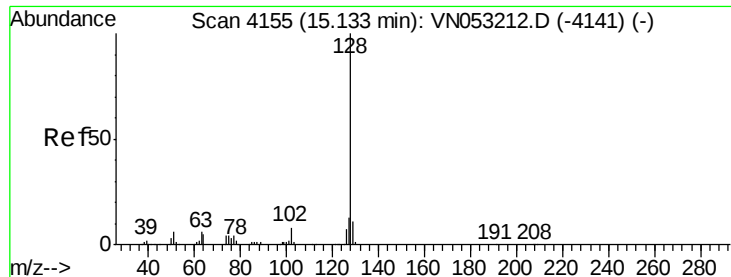
Tot Ion:180 Resp: 138439
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 145 27.8 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 24.079 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053466.D
 Acq: 18 Jan 2019 12:14

Tgt Ion:225 Resp: 108188
 Ion Ratio Lower Upper
 225 100
 223 61.0 0.0 125.6
 227 63.2 0.0 127.8





#91

Naphthalene

Concen: 14.889 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

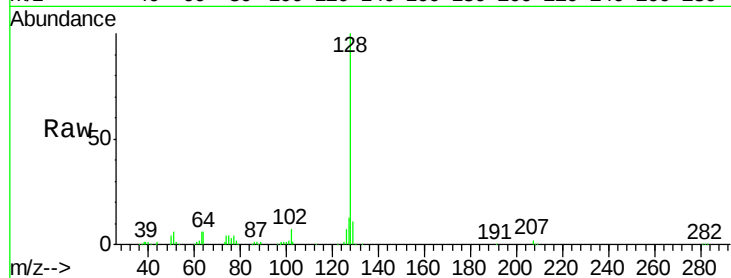
Tot Ion:128 Resp: 234484

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

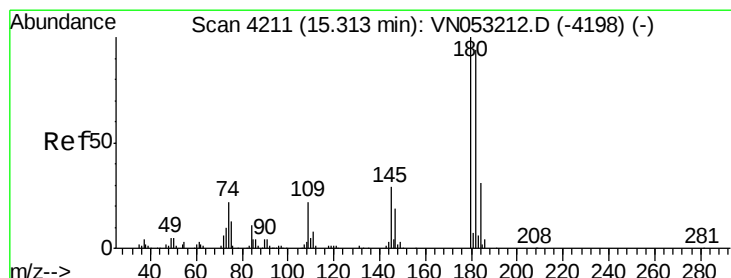
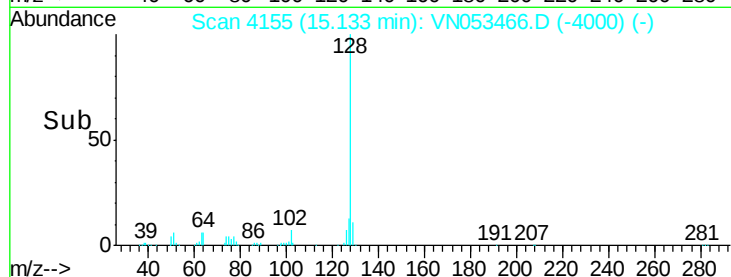
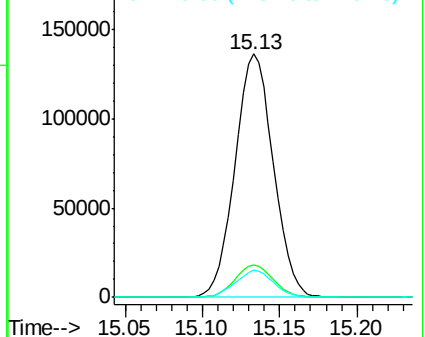
129 11.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.759 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053466.D

Acq: 18 Jan 2019 12:14

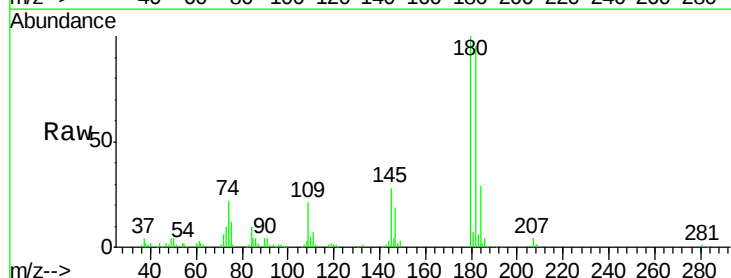
Tgt Ion:180 Resp: 104361

Ion Ratio Lower Upper

180 100

182 96.9 0.0 196.2

145 29.6 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

