

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053969.D
 Acq On : 26 Feb 2019 21:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 27 02:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	642211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1069480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	933859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	430127	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	391249	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	7.59	113	348013	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
50) Toluene-d8	10.09	98	1294170	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	433325	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	298019	50.423	ug/l	99
3) Chloromethane	2.06	50	429292	52.364	ug/l	100
4) Vinyl Chloride	2.19	62	422527	51.438	ug/l	100
5) Bromomethane	2.57	94	253330	46.567	ug/l	100
6) Chloroethane	2.71	64	257688	50.442	ug/l	100
7) Trichlorofluoromethane	3.02	101	521906	49.734	ug/l	100
8) Diethyl Ether	3.41	74	201125	51.156	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	326439	49.254	ug/l	95
10) Methyl Iodide	3.95	142	492920	56.601	ug/l	98
11) Tert butyl alcohol	4.78	59	121004	253.550	ug/l	100
12) 1,1-Dichloroethene	3.74	96	319309	50.367	ug/l	94
13) Acrolein	3.60	56	140486	284.324	ug/l	97
14) Allyl chloride	4.32	41	588163	52.896	ug/l	95
15) Acrylonitrile	4.98	53	664703	264.266	ug/l	98
16) Acetone	3.81	43	462200	231.014	ug/l	97
17) Carbon Disulfide	4.05	76	988491	48.333	ug/l	98
18) Methyl Acetate	4.32	43	281566	53.489	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	924928	54.386	ug/l	98
20) Methylene Chloride	4.55	84	375997	50.464	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	347206	50.602	ug/l	92
22) Diisopropyl ether	5.95	45	1176404	54.841	ug/l	95
23) Vinyl Acetate	5.89	43	4281412	277.446	ug/l	96
24) 1,1-Dichloroethane	5.85	63	678045	51.544	ug/l	98
25) 2-Butanone	6.83	43	744746	251.950	ug/l	98
26) 2,2-Dichloropropane	6.82	77	444704	47.583	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	397271	52.061	ug/l	95
28) Bromochloromethane	7.19	49	328694	54.589	ug/l #	81
29) Tetrahydrofuran	7.21	42	524602	266.506	ug/l	92
30) Chloroform	7.37	83	654412	51.304	ug/l	98
31) Cyclohexane	7.65	56	621682	51.655	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	541207	51.459	ug/l	97
36) 1,1-Dichloropropene	7.79	75	508135	51.090	ug/l	96
37) Ethyl Acetate	6.93	43	340435	47.938	ug/l	98
38) Carbon Tetrachloride	7.77	117	476313	46.048	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	573629	47.852	ug/l	96
40) Benzene	8.04	78	1523489	49.862	ug/l	100
41) Methacrylonitrile	7.21	41	487587	106.626	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	470891	49.781	ug/l	98
43) Isopropyl Acetate	8.16	43	602131	50.217	ug/l #	90
44) Trichloroethene	8.83	130	400943	49.498	ug/l	97
45) 1,2-Dichloropropane	9.12	63	413376	50.147	ug/l	99
46) Dibromomethane	9.21	93	233254	48.740	ug/l	94
47) Bromodichloromethane	9.40	83	501267	49.702	ug/l	99
48) Methyl methacrylate	9.20	41	292092	52.960	ug/l	94
49) 1,4-Dioxane	9.20	88	72340	968.391	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1638608	265.940	ug/l	96
52) Toluene	10.16	92	898328	49.932	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	506160	51.580	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	593577	51.310	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	332617	49.504	ug/l	99
56) Ethyl methacrylate	10.43	69	425755	48.392	ug/l	90
57) 1,3-Dichloropropane	10.71	76	575106	50.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	943358	231.083	ug/l	95
59) 2-Hexanone	10.75	43	1043966	260.511	ug/l	93
60) Dibromochloromethane	10.90	129	363414	48.668	ug/l	99
61) 1,2-Dibromoethane	11.00	107	324123	50.008	ug/l	98
64) Tetrachloroethene	10.63	164	377959	47.796	ug/l	98
65) Chlorobenzene	11.43	112	962103	48.816	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	354425	49.897	ug/l	100
67) Ethyl Benzene	11.51	91	1677066	50.758	ug/l	99
68) m/p-Xylenes	11.62	106	1267576	101.648	ug/l	97
69) o-Xylene	11.95	106	613852	50.098	ug/l	97
70) Styrene	11.96	104	996136	52.856	ug/l	98
71) Bromoform	12.13	173	243610	49.298	ug/l #	100
73) Isopropylbenzene	12.25	105	1624292	48.512	ug/l	99
74) N-amyl acetate	12.07	43	470649	53.631	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	395857	47.279	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	494764	71.705	ug/l #	100
77) Bromobenzene	12.53	156	406705	47.842	ug/l	90
78) n-propylbenzene	12.59	91	1893269	49.720	ug/l	98
79) 2-Chlorotoluene	12.67	91	1121461	49.027	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1372457	50.070	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	105811	48.468	ug/l	94
82) 4-Chlorotoluene	12.77	91	1125844	49.799	ug/l	96
83) tert-Butylbenzene	12.99	119	1192948	49.207	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1384727	50.601	ug/l	99
85) sec-Butylbenzene	13.17	105	1622132	48.989	ug/l	98
86) p-Isopropyltoluene	13.29	119	1408568	50.320	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	717373	48.782	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	698140	48.933	ug/l	99
89) n-Butylbenzene	13.62	91	1198990	50.824	ug/l	99
90) Hexachloroethane	13.87	117	249701	46.033	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	700373	49.199	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57281	48.411	ug/l	92

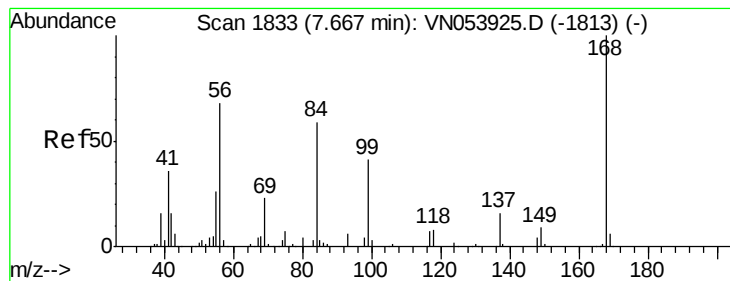
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	367904	46.689	ug/l	98
94) Hexachlorobutadiene	15.01	225	236976	46.084	ug/l	99
95) Naphthalene	15.13	128	762029	45.082	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	358218	47.323	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

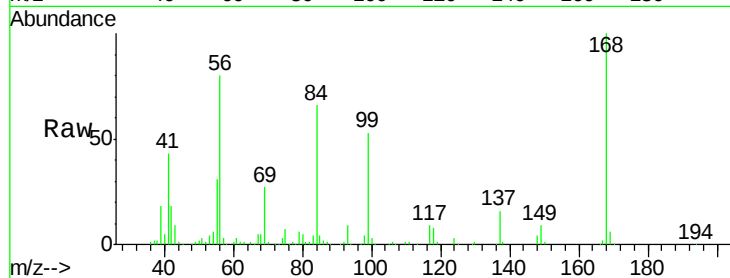
VSTDCCC050EC

Tot Ion:168 Resp: 642211

Ion Ratio Lower Upper

168 100

99 51.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

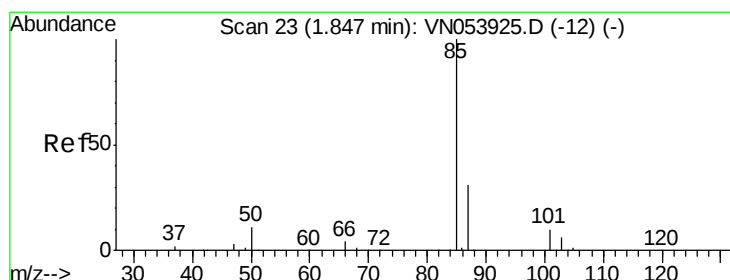
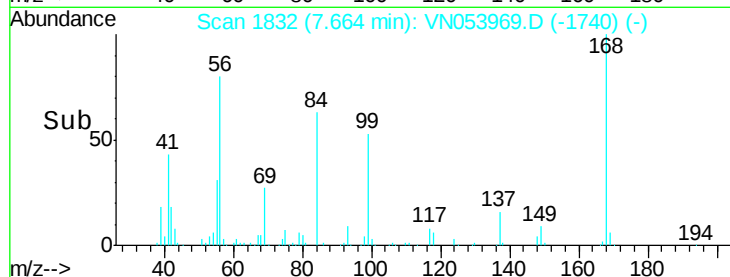
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.423 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053969.D

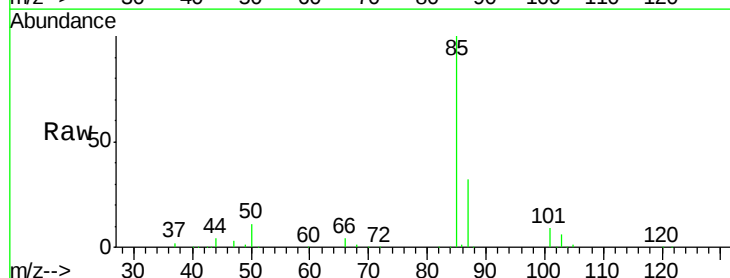
Acq: 26 Feb 2019 21:32

Tgt Ion: 85 Resp: 298019

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

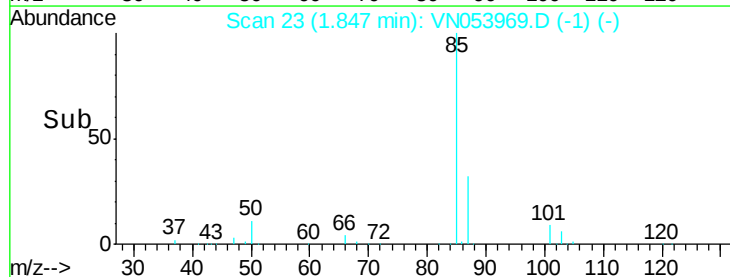
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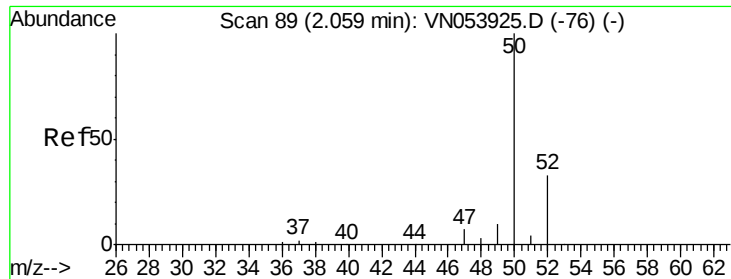
100000

50000

0

Time-->





#3

Chloromethane

Concen: 52.364 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

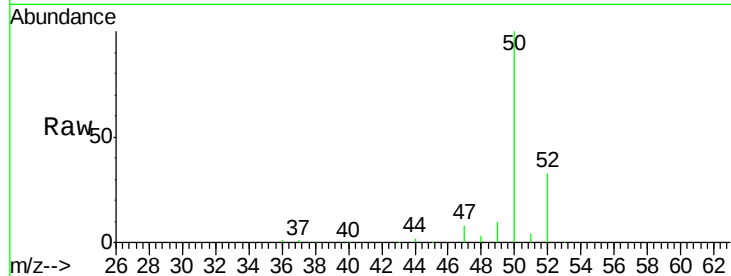
VSTDCCC050EC

Tot Ion: 50 Resp: 429292

Ion Ratio Lower Upper

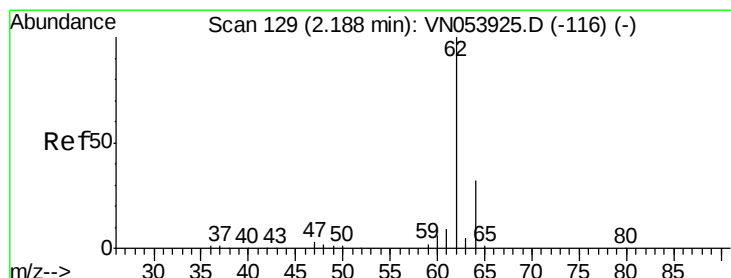
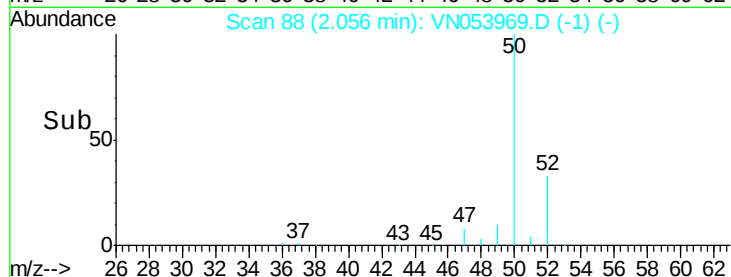
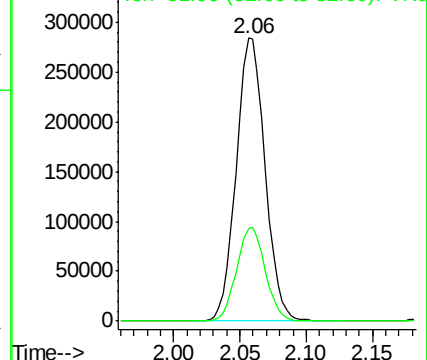
50 100

52 32.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.438 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053969.D

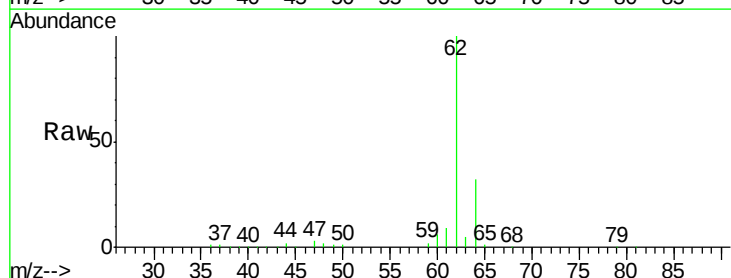
Acq: 26 Feb 2019 21:32

Tgt Ion: 62 Resp: 422527

Ion Ratio Lower Upper

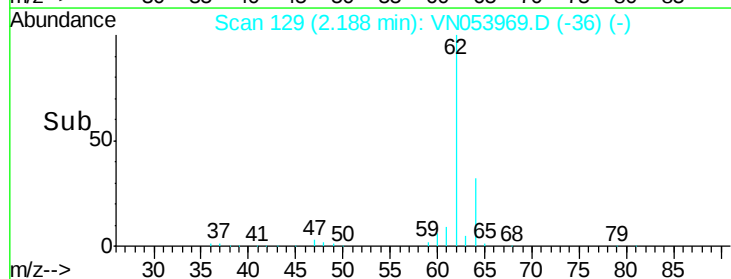
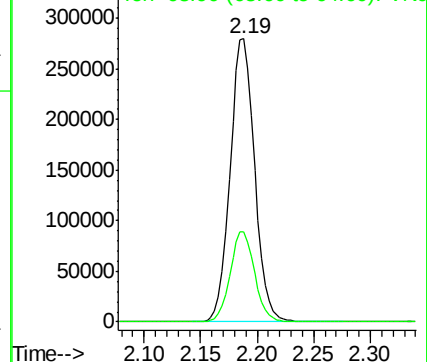
62 100

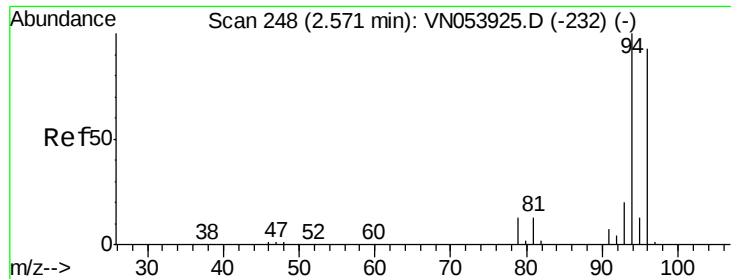
64 31.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

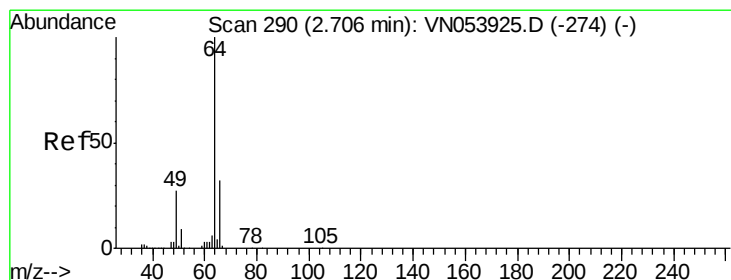
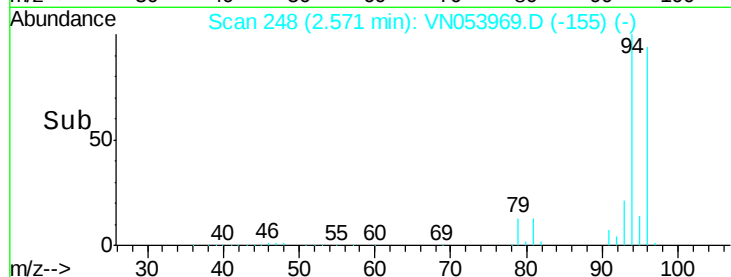
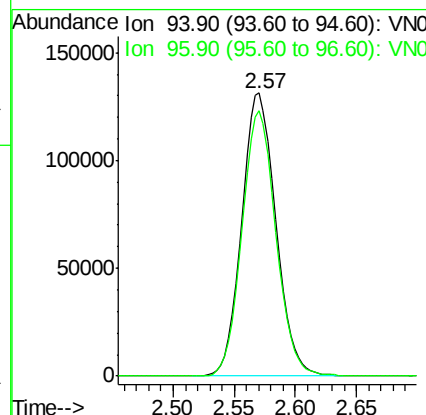
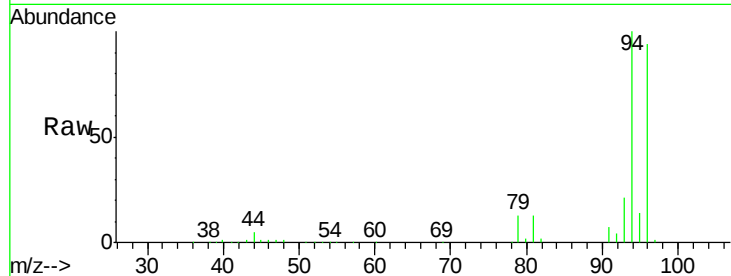




#5
Bromomethane
Concen: 46.567 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

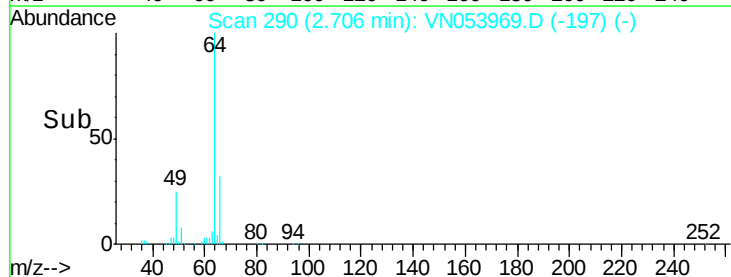
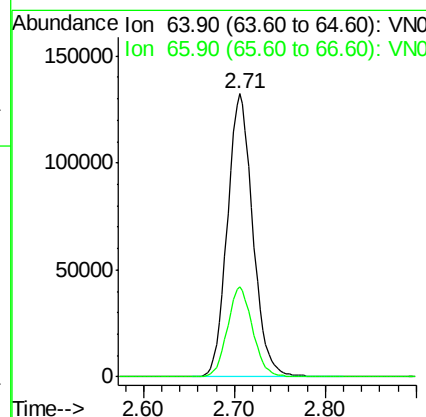
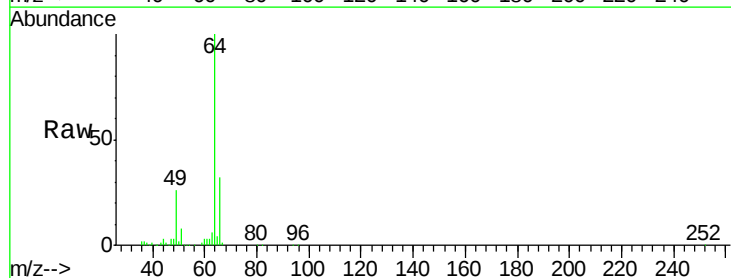
Instrument :
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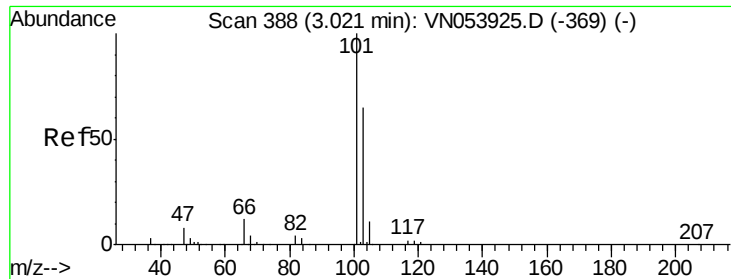
Tot Ion: 94 Resp: 253330
Ion Ratio Lower Upper
94 100
96 93.7 74.9 112.3



#6
Chloroethane
Concen: 50.442 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 64 Resp: 257688
Ion Ratio Lower Upper
64 100
66 31.9 25.5 38.3



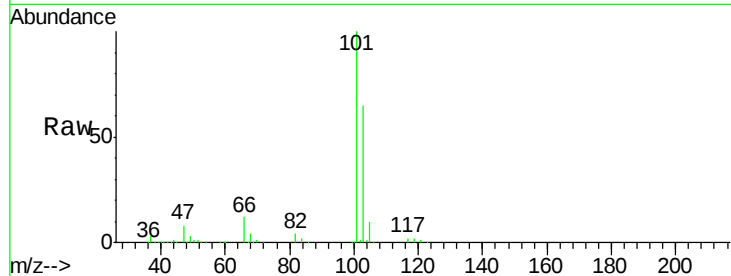


#7

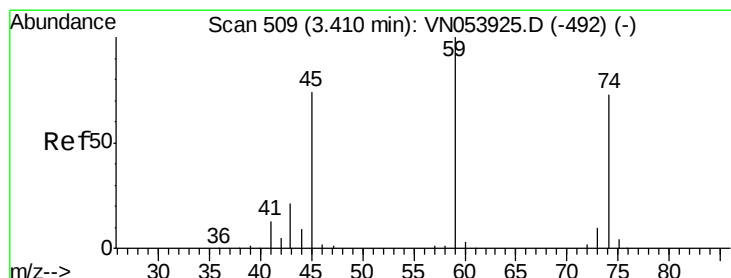
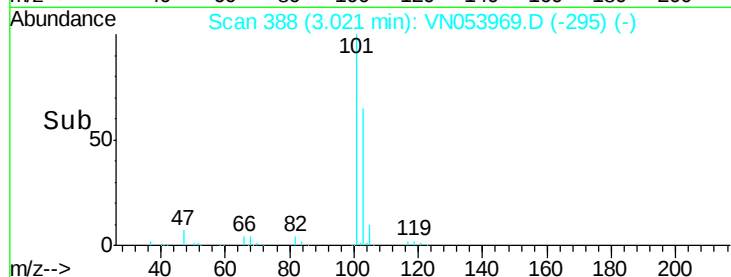
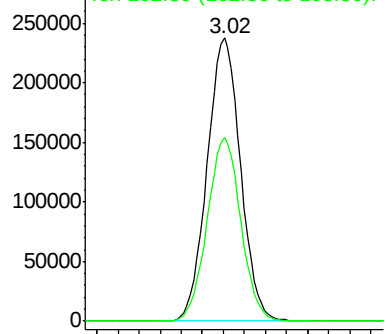
Trichlorofluoromethane
 Concen: 49.734 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 521906
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.9 77.9



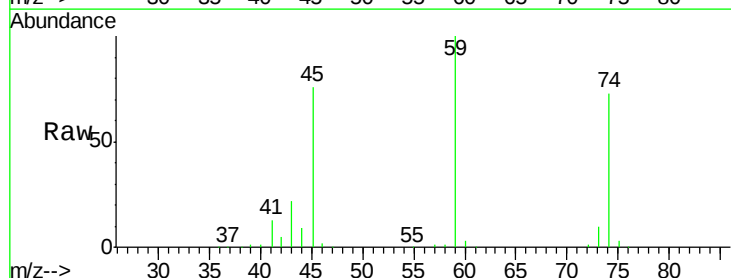
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



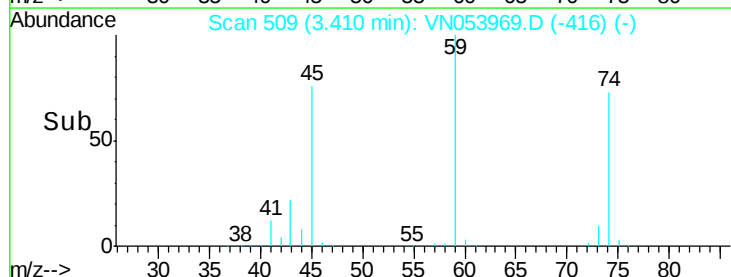
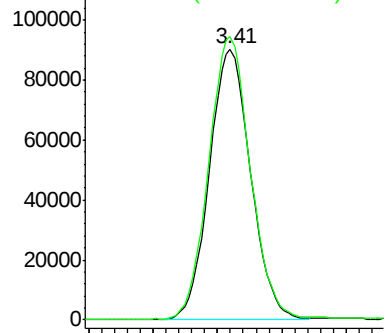
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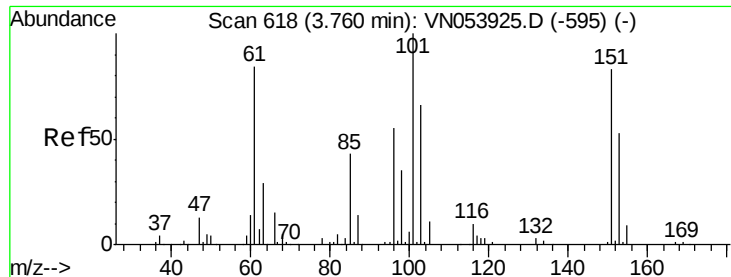
Diethyl Ether
 Concen: 51.156 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion: 74 Resp: 201125
 Ion Ratio Lower Upper
 74 100
 45 104.7 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.254 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

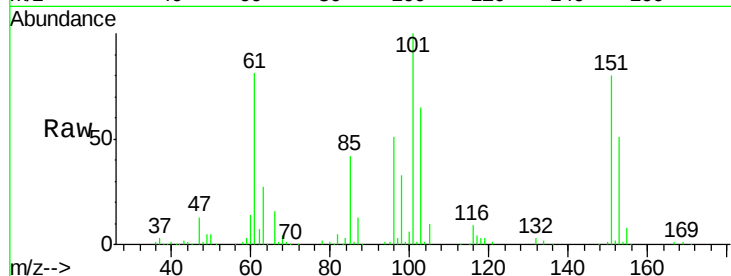
Tot Ion:101 Resp: 326439

Ion Ratio Lower Upper

101 100

85 41.4 32.5 48.7

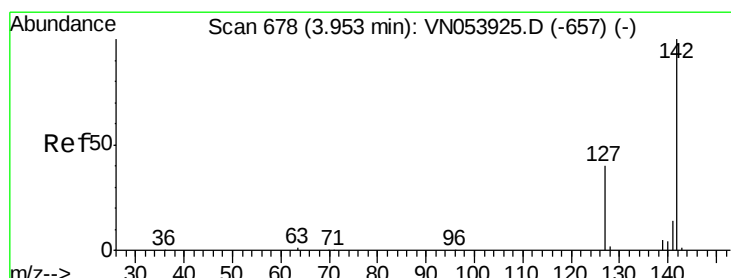
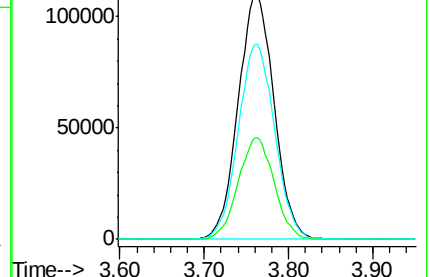
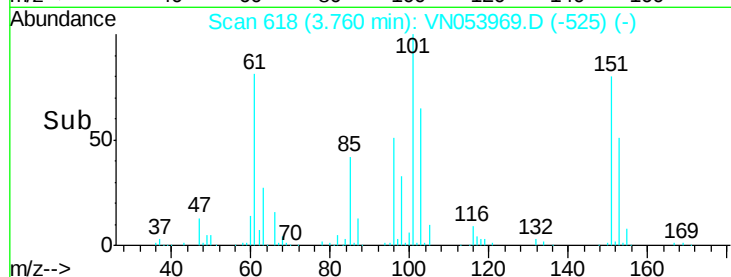
151 80.8 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 56.601 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

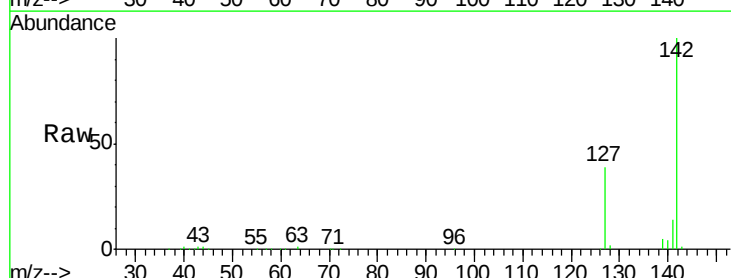
Tgt Ion:142 Resp: 492920

Ion Ratio Lower Upper

142 100

127 40.0 31.0 46.4

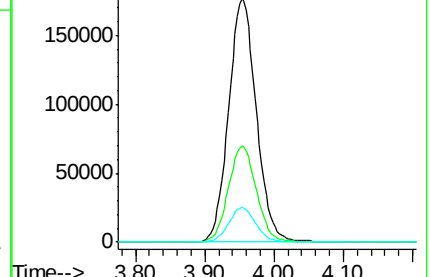
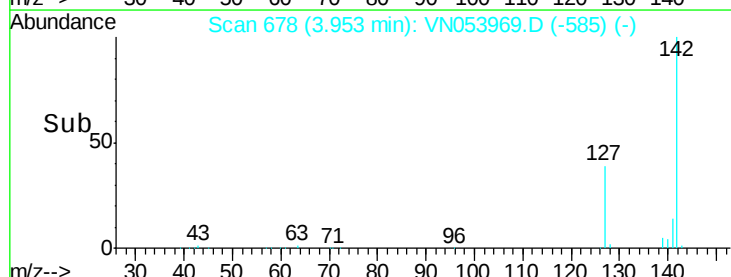
141 13.9 11.3 16.9

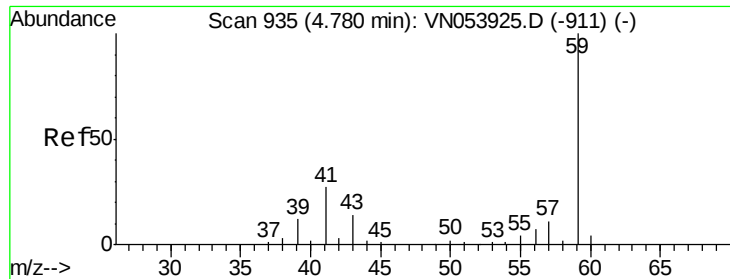


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

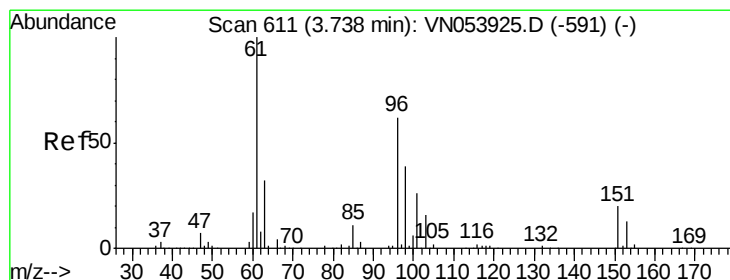
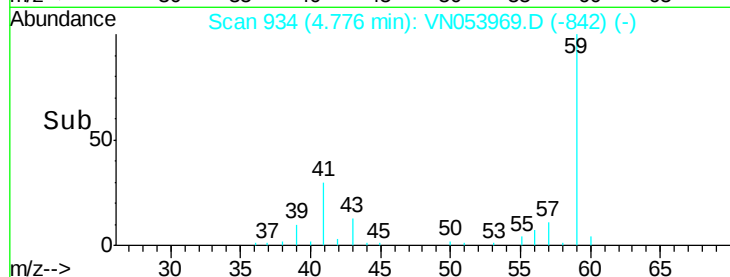
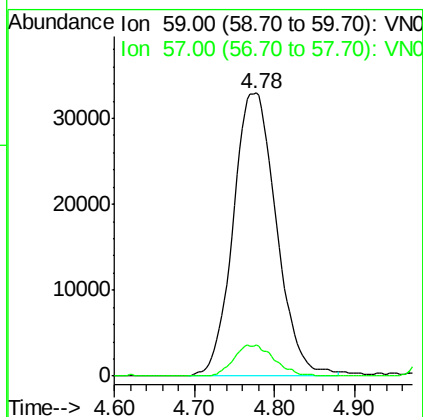
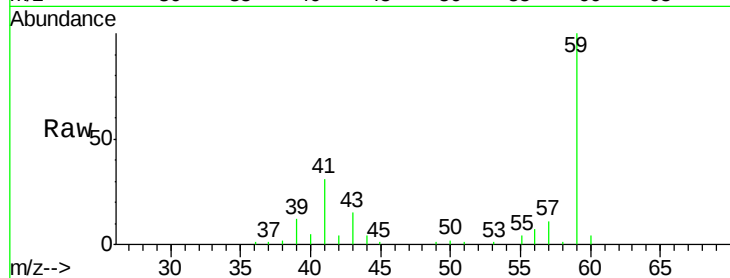




#11
Tert butyl alcohol
Concen: 253.550 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

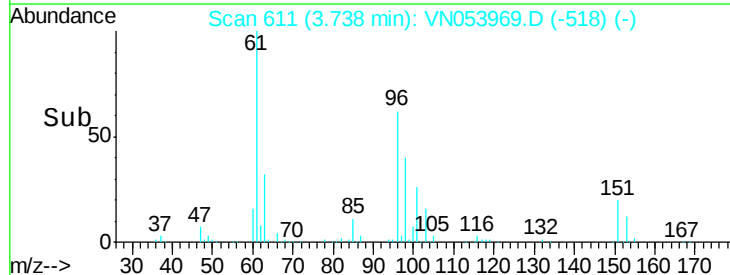
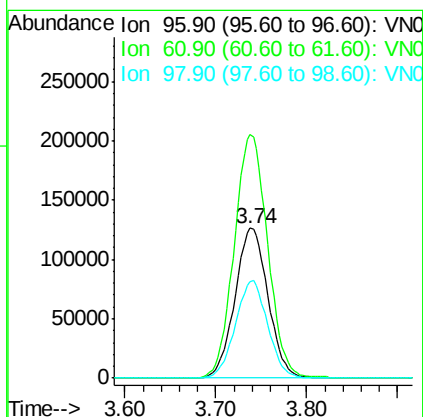
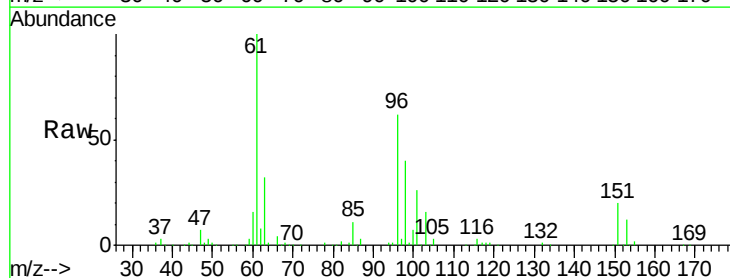
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

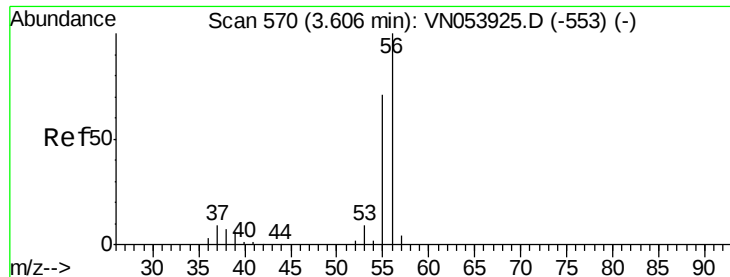
Tot Ion: 59 Resp: 121004
Ion Ratio Lower Upper
59 100
57 10.3 8.1 12.1



#12
1,1-Dichloroethene
Concen: 50.367 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 96 Resp: 319309
Ion Ratio Lower Upper
96 100
61 162.6 121.0 181.4
98 64.6 52.2 78.2





#13

Acrolein

Concen: 284.324 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

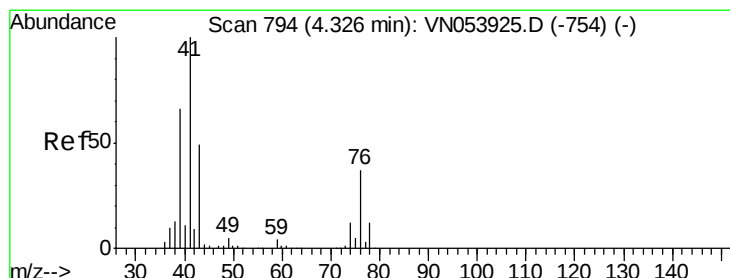
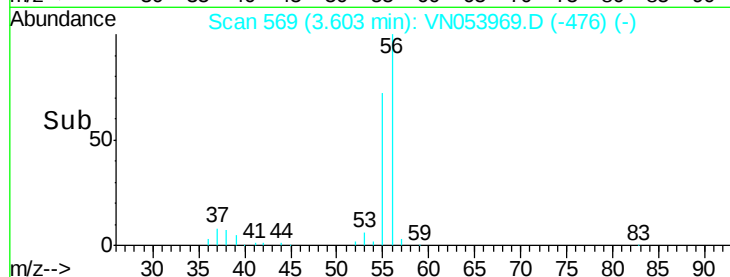
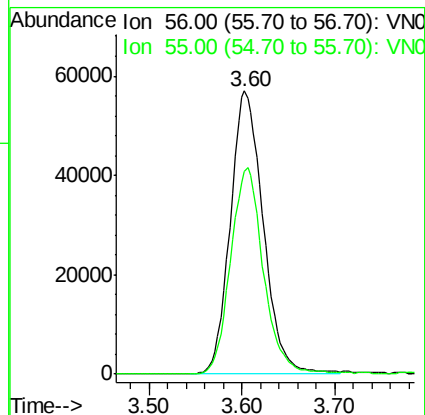
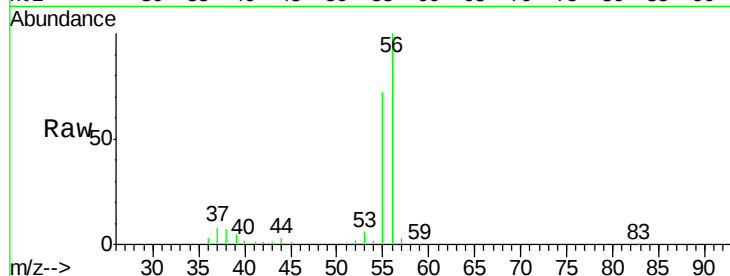
VSTDCCC050EC

Tot Ion: 56 Resp: 140486

Ion Ratio Lower Upper

56 100

55 72.6 56.3 84.5



#14

Allyl chloride

Concen: 52.896 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

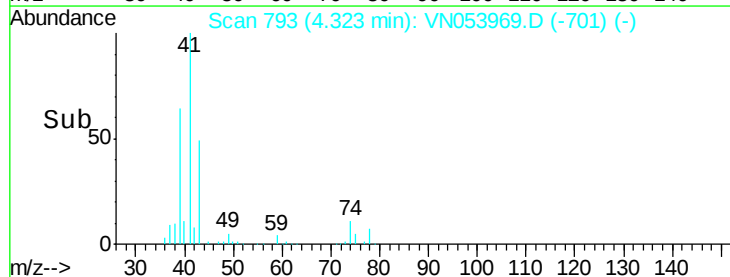
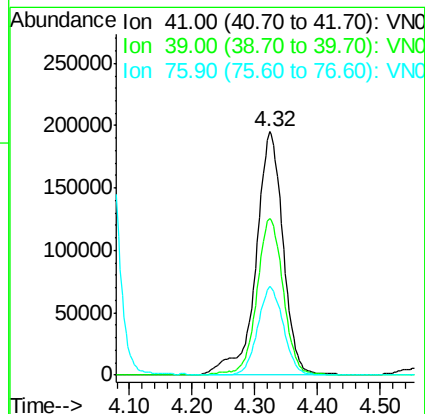
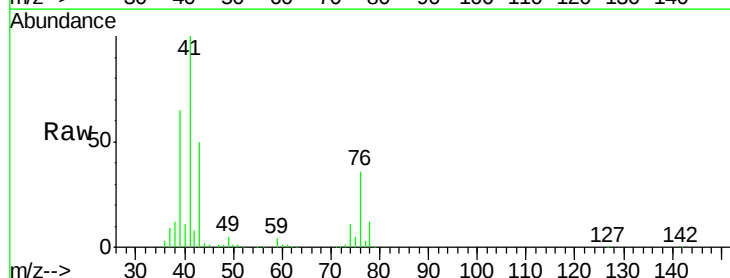
Tgt Ion: 41 Resp: 588163

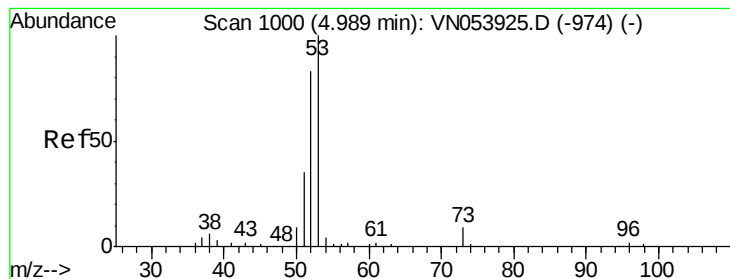
Ion Ratio Lower Upper

41 100

39 62.7 48.8 73.2

76 33.7 30.9 46.3





#15

Acrylonitrile

Concen: 264.266 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

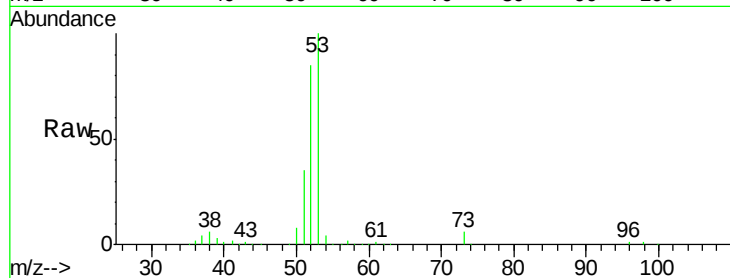
Tot Ion: 53 Resp: 664703

Ion Ratio Lower Upper

53 100

52 82.7 65.1 97.7

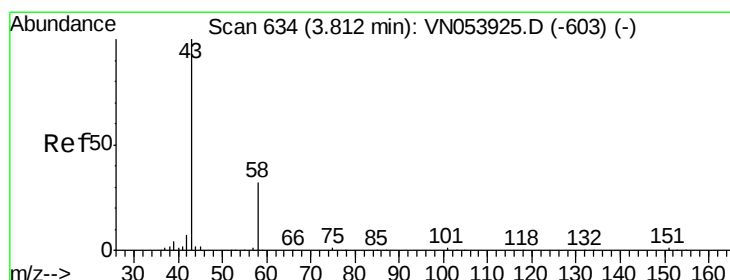
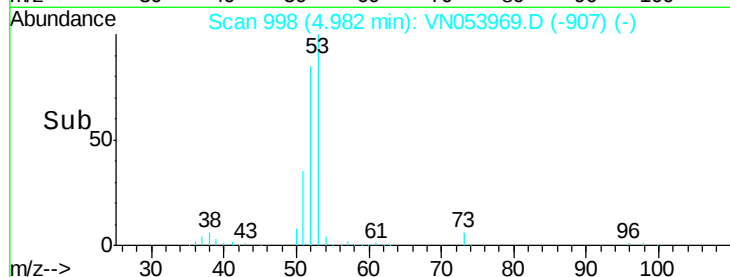
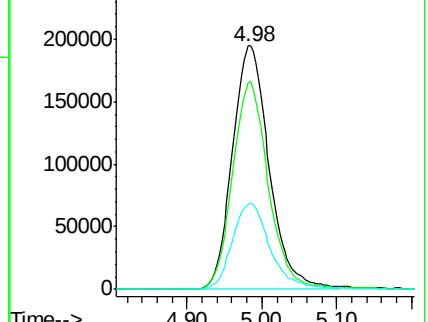
51 36.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN053969.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN053969.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN053969.D (-907) (-)



#16

Acetone

Concen: 231.014 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053969.D

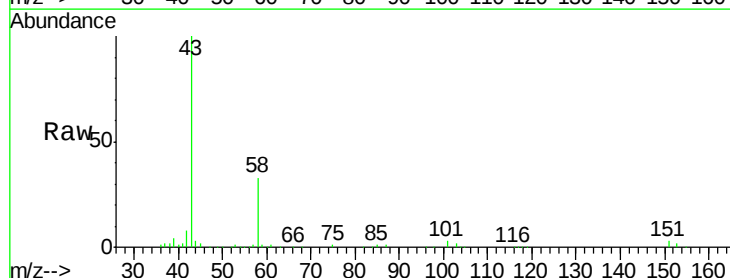
Acq: 26 Feb 2019 21:32

Tgt Ion: 43 Resp: 462200

Ion Ratio Lower Upper

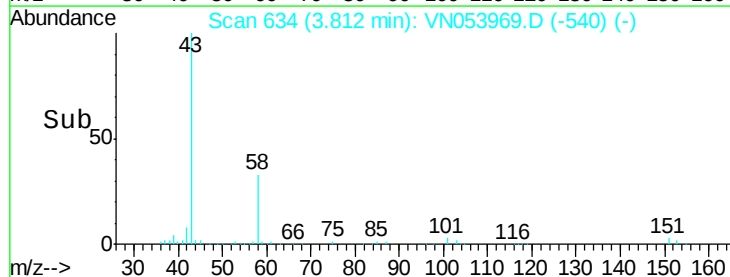
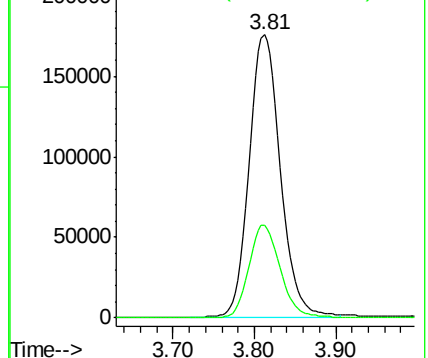
43 100

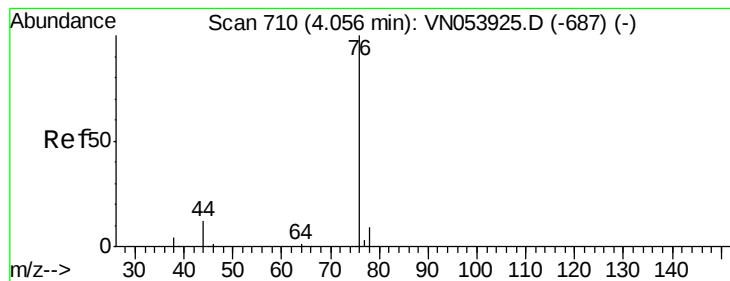
58 32.8 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053969.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN053969.D (-540) (-)





#17

Carbon Disulfide

Concen: 48.333 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

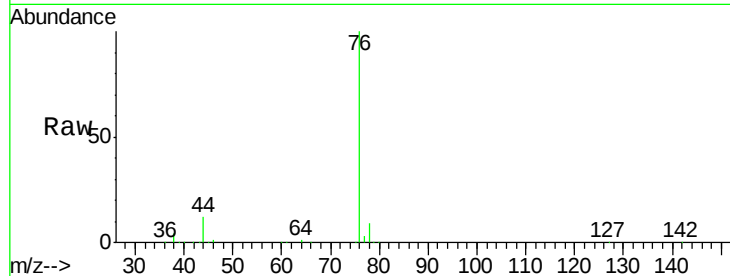
VSTDCCC050EC

Tot Ion: 76 Resp: 988491

Ion Ratio Lower Upper

76 100

78 8.6 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.05

400000

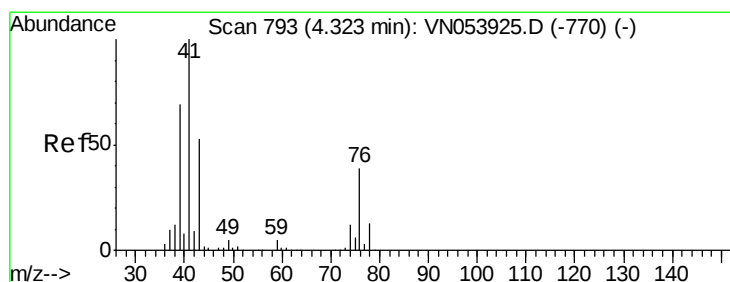
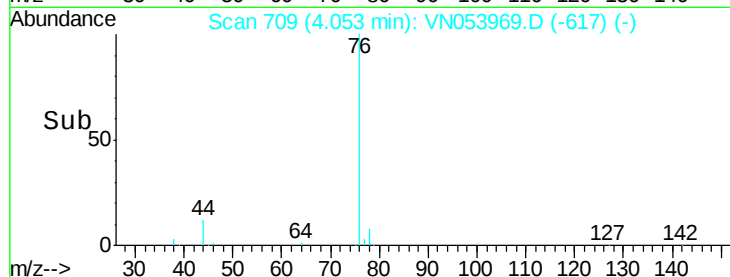
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.489 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053969.D

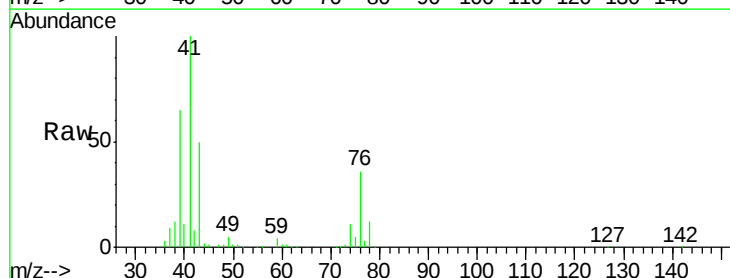
Acq: 26 Feb 2019 21:32

Tgt Ion: 43 Resp: 281566

Ion Ratio Lower Upper

43 100

74 22.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.32

100000

80000

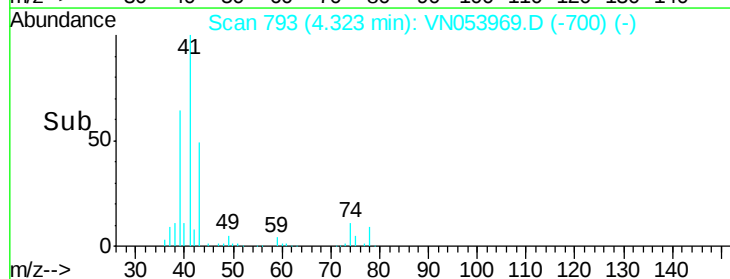
60000

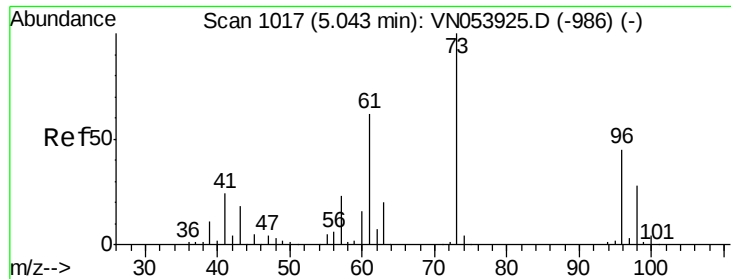
40000

20000

0

Time-->

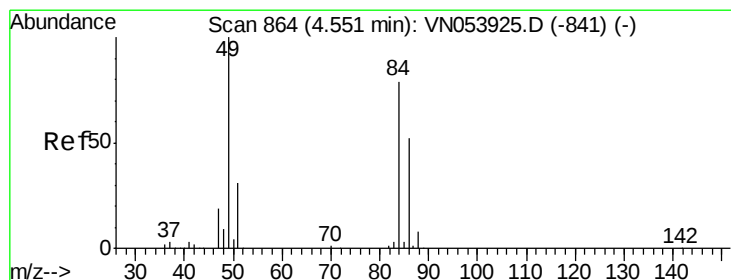
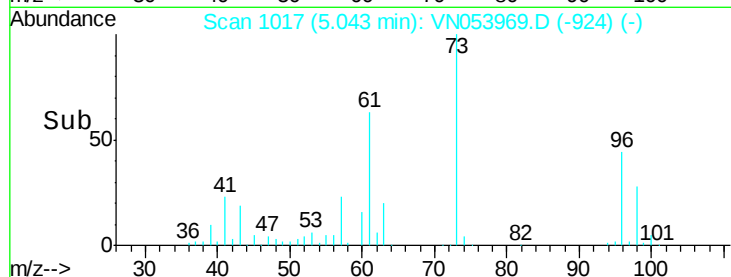
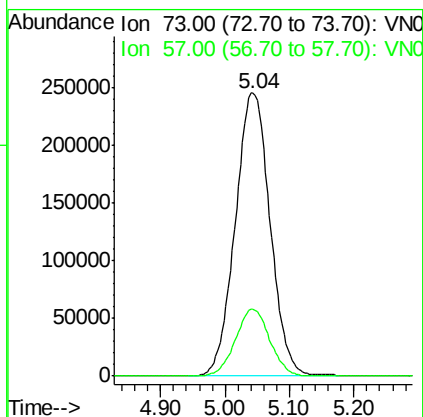
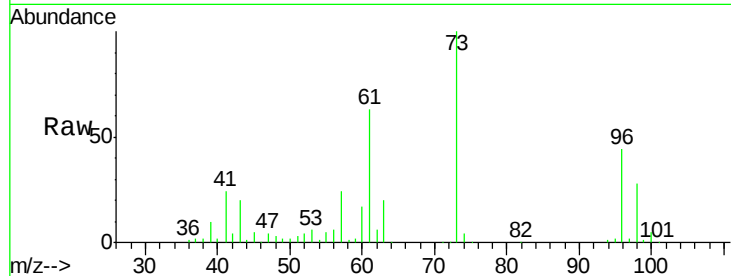




#19
Methvl tert-butvl Ether
Concen: 54.386 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

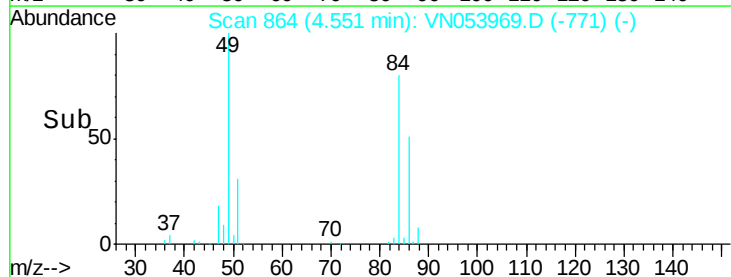
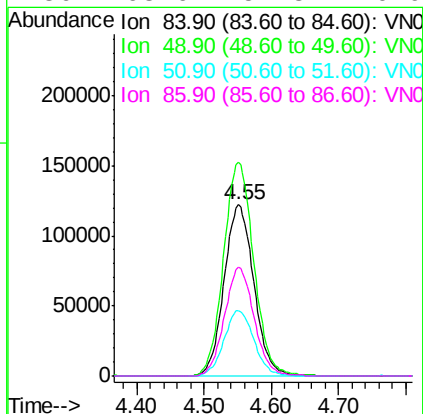
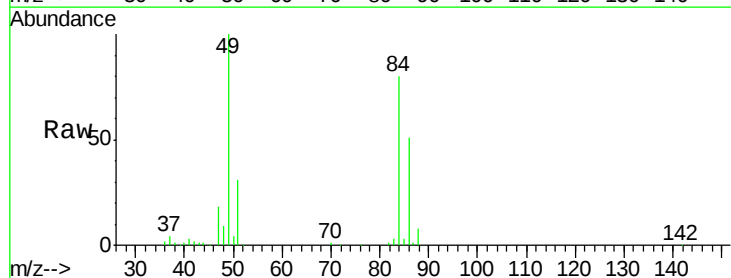
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

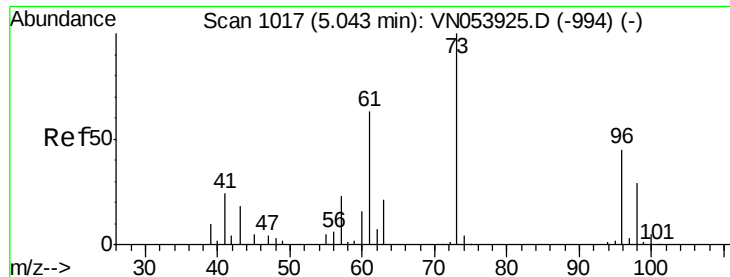
Tot Ion: 73 Resp: 924928
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0



#20
Methylene Chloride
Concen: 50.464 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 84 Resp: 375997
Ion Ratio Lower Upper
84 100
49 124.6 89.7 134.5
51 38.5 27.8 41.8
86 63.6 51.3 76.9

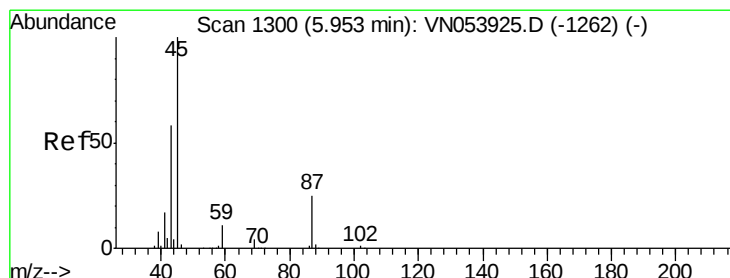
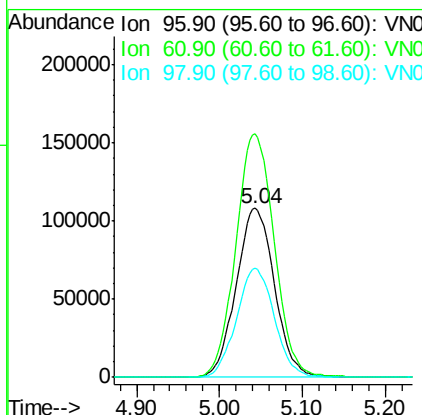
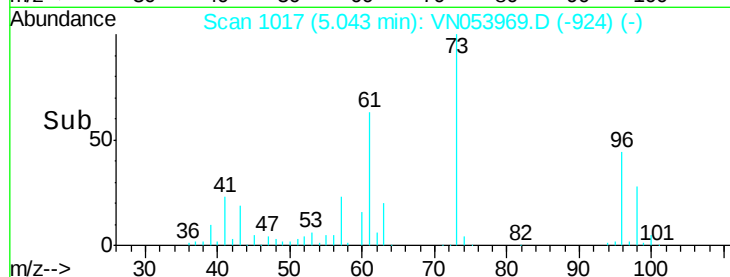
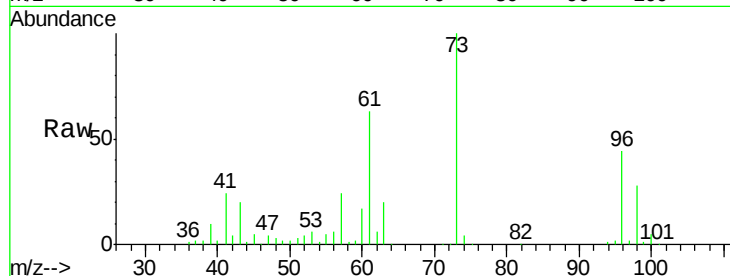




#21
trans-1,2-Dichloroethene
Concen: 50.602 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

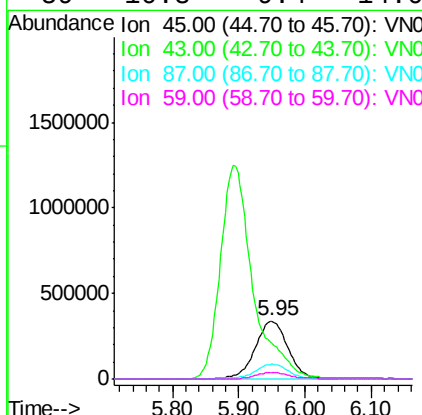
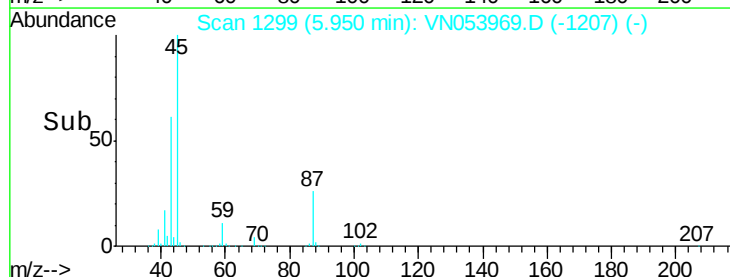
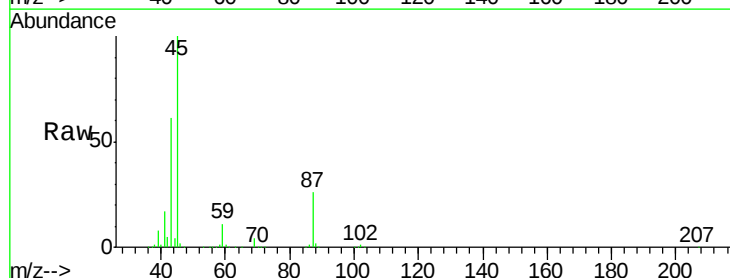
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

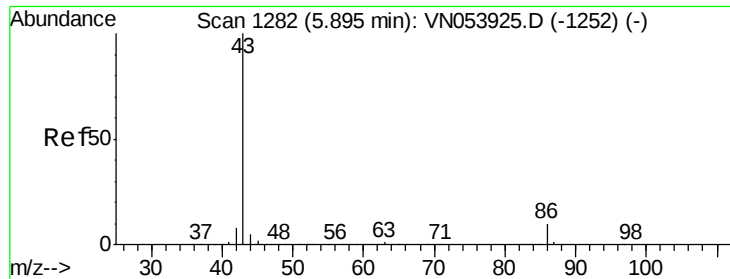
Tot Ion: 96 Resp: 347206
Ion Ratio Lower Upper
96 100
61 144.0 104.5 156.7
98 64.8 50.6 76.0



#22
Diisopropyl ether
Concen: 54.841 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 45 Resp: 1176404
Ion Ratio Lower Upper
45 100
43 60.7 46.2 69.4
87 25.4 23.4 35.0
59 10.8 9.4 14.0

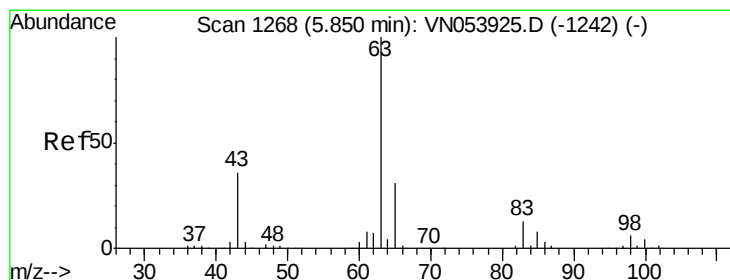
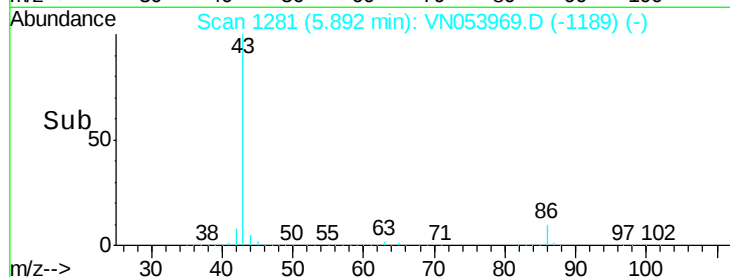
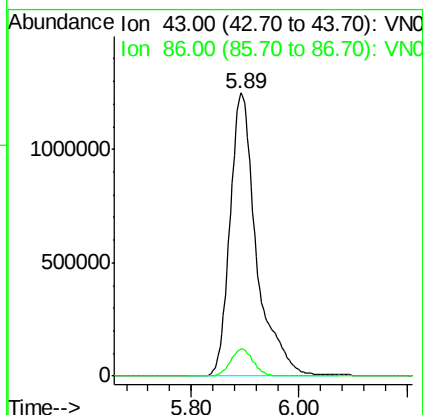
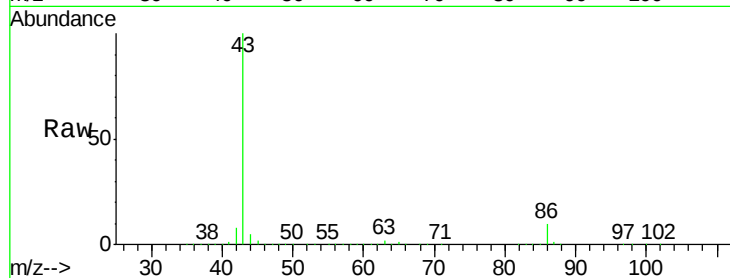




#23
 Vinyl Acetate
 Concen: 277.446 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

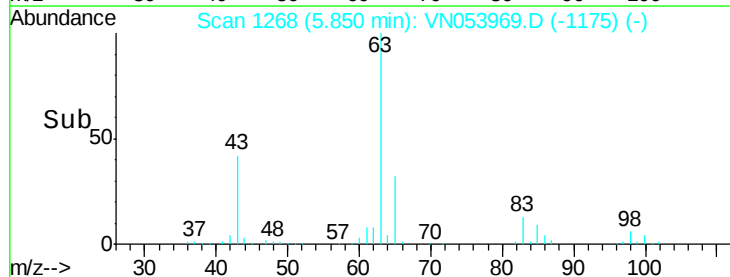
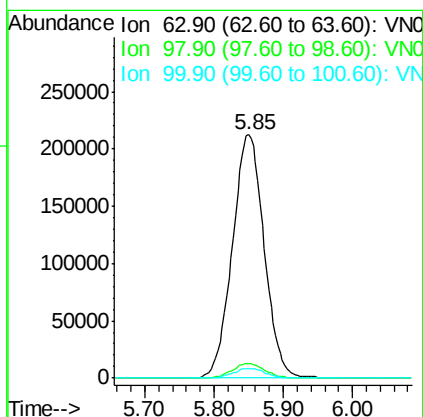
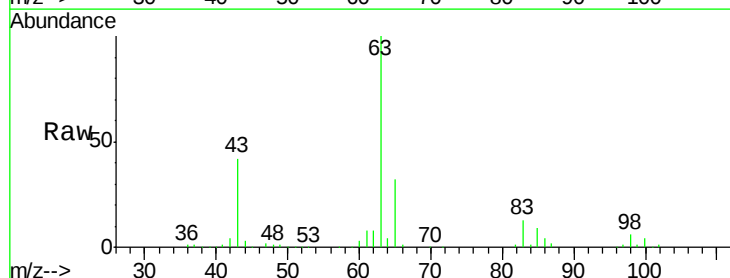
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

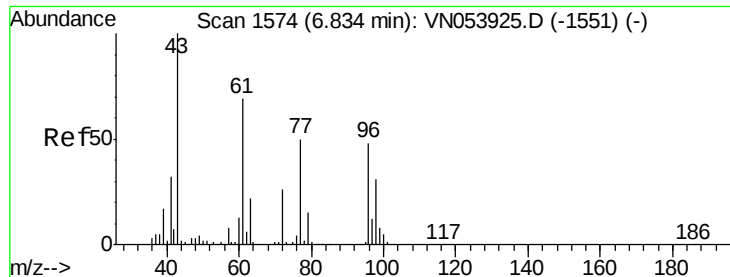
Tot Ion: 43 Resp: 4281412
 Ion Ratio Lower Upper
 43 100
 86 9.7 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 51.544 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion: 63 Resp: 678045
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.4 10.2
 100 3.9 2.2 6.6

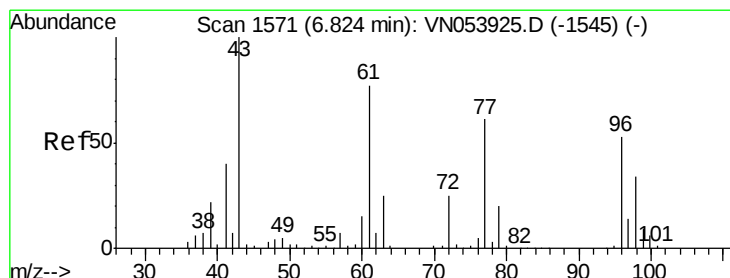
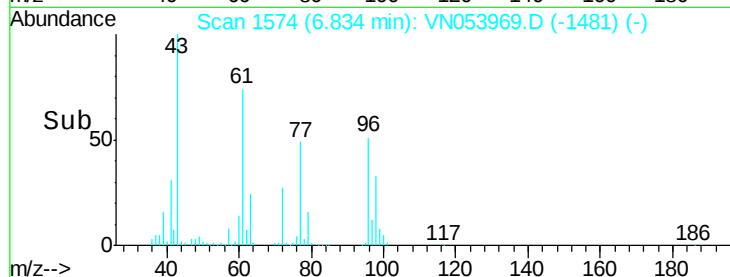
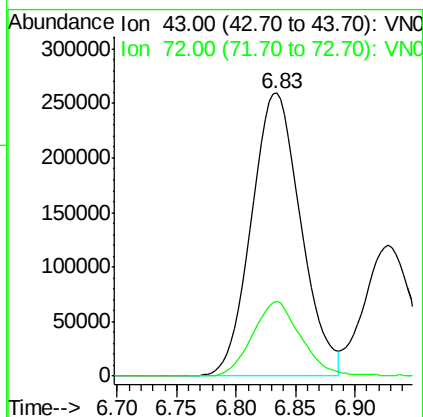
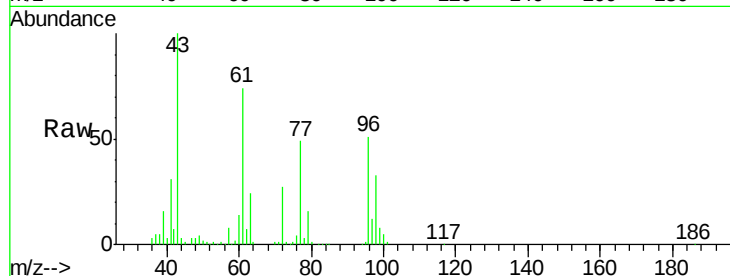




#25
2-Butanone
Concen: 251.950 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

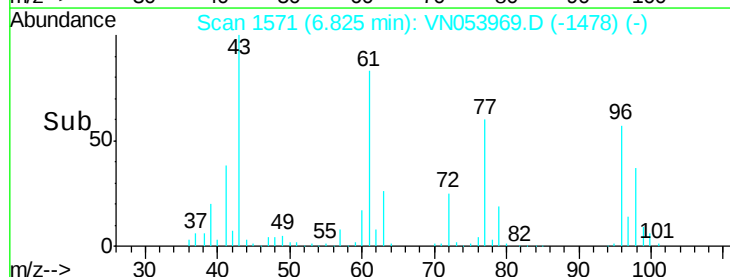
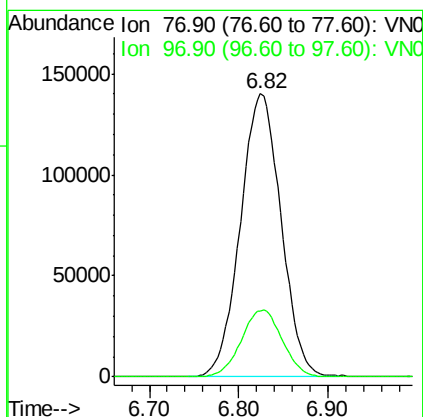
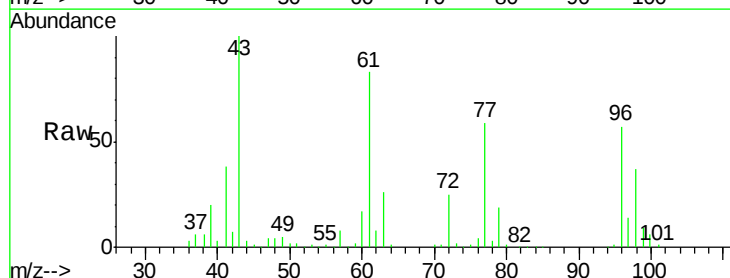
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

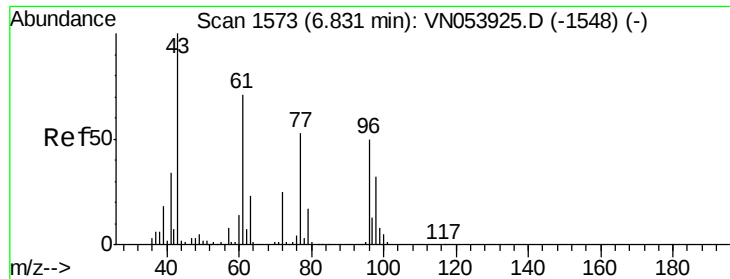
Tot Ion: 43 Resp: 744746
Ion Ratio Lower Upper
43 100
72 26.7 22.1 33.1



#26
2,2-Dichloropropane
Concen: 47.583 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 77 Resp: 444704
Ion Ratio Lower Upper
77 100
97 23.9 12.3 36.9

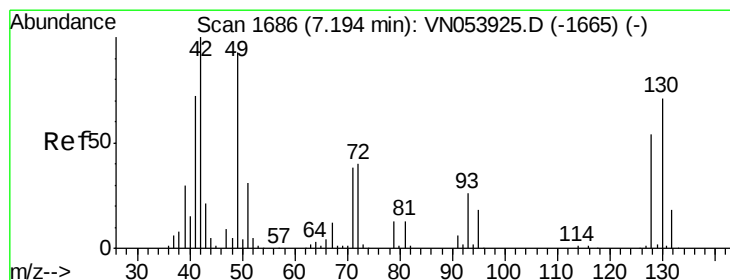
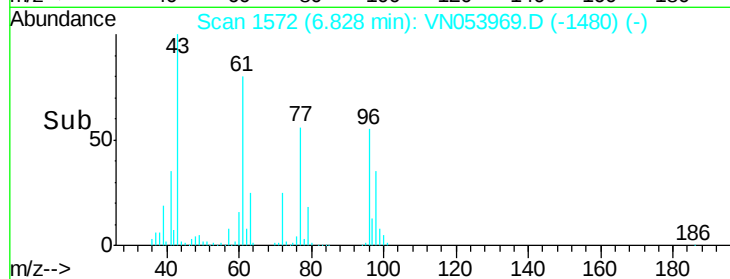
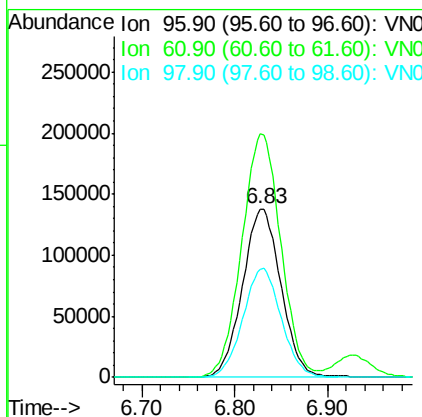
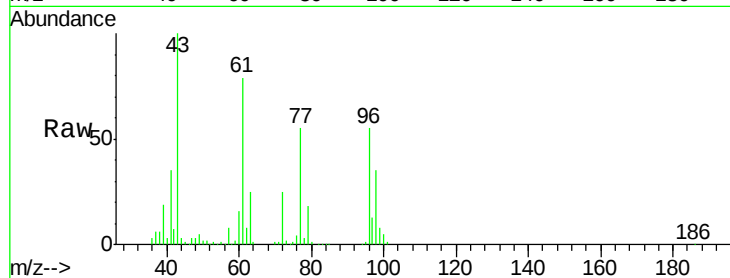




#27
 cis-1,2-Dichloroethene
 Concen: 52.061 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

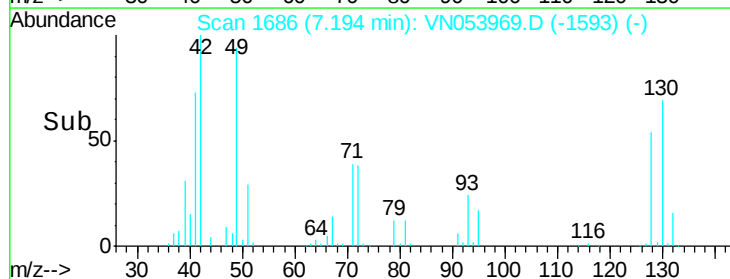
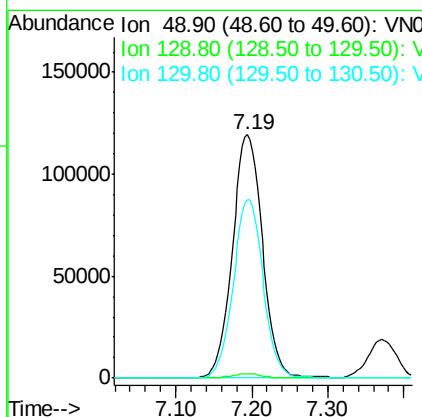
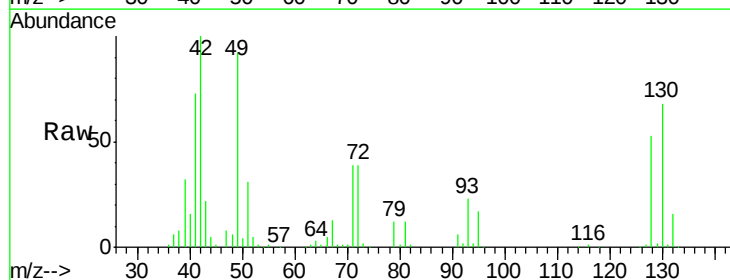
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

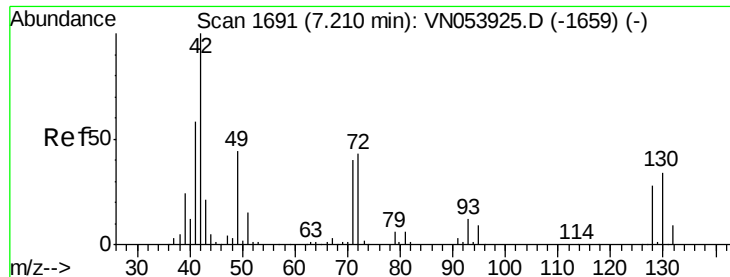
Tot Ion: 96 Resp: 397271
 Ion Ratio Lower Upper
 96 100
 61 147.0 0.0 275.6
 98 64.7 0.0 130.0



#28
 Bromochloromethane
 Concen: 54.589 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion: 49 Resp: 328694
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.6
 130 72.6 72.9 109.3#





#29

Tetrahydrofuran

Concen: 266.506 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

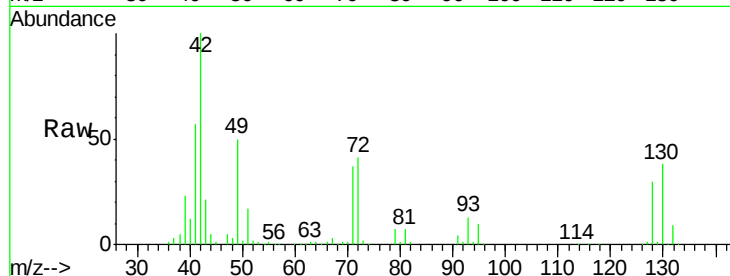
Tot Ion: 42 Resp: 524602

Ion Ratio Lower Upper

42 100

72 40.3 36.9 55.3

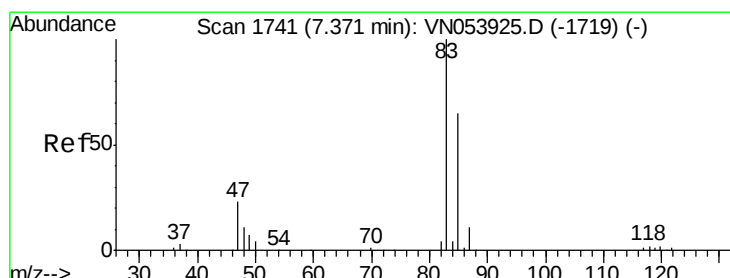
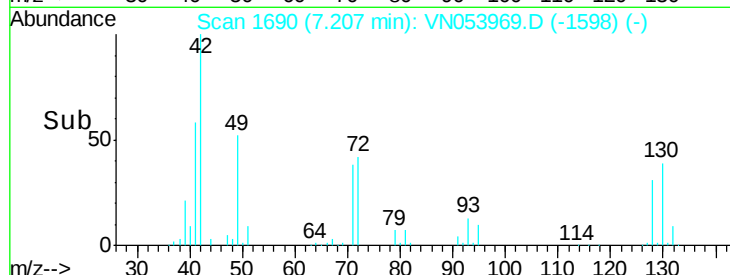
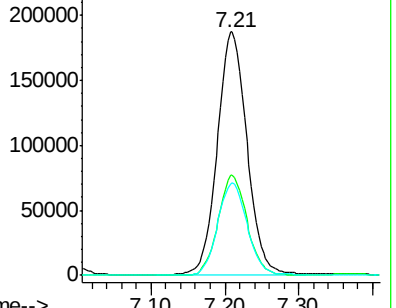
71 38.0 34.6 52.0



Abundance Ion 42.00 (41.70 to 42.70): VN053925.D (-1659) (-)

Ion 72.00 (71.70 to 72.70): VN053925.D (-1659) (-)

Ion 71.00 (70.70 to 71.70): VN053925.D (-1659) (-)



#30

Chloroform

Concen: 51.304 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053969.D

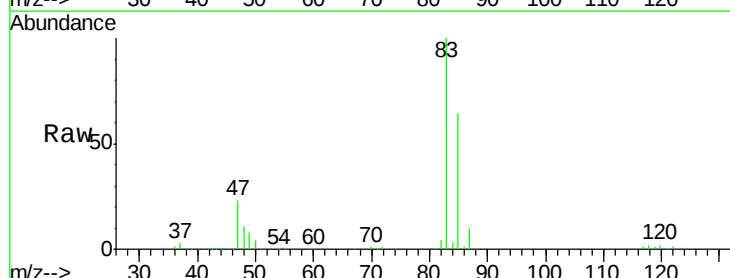
Acq: 26 Feb 2019 21:32

Tgt Ion: 83 Resp: 654412

Ion Ratio Lower Upper

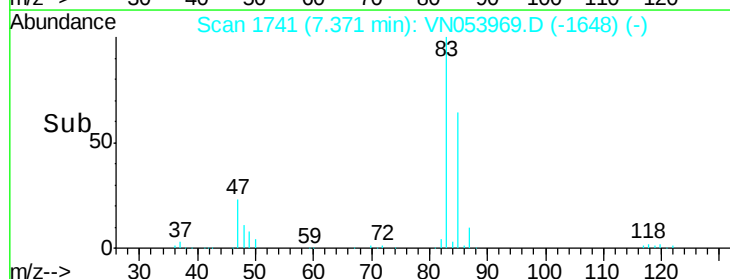
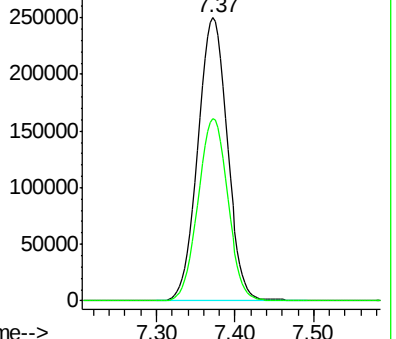
83 100

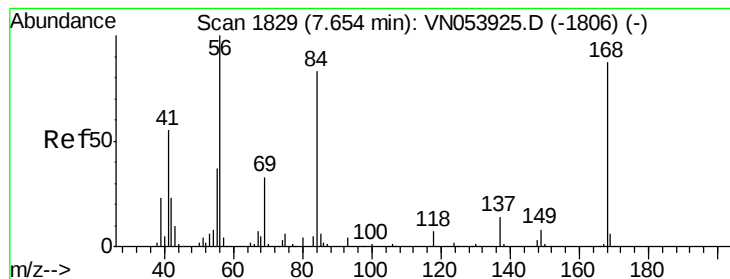
85 64.4 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN053925.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053925.D (-1719) (-)





#31

Cyclohexane

Concen: 51.655 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

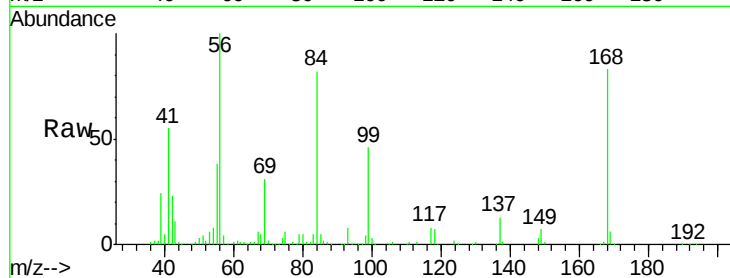
Tot Ion: 56 Resp: 621682

Ion Ratio Lower Upper

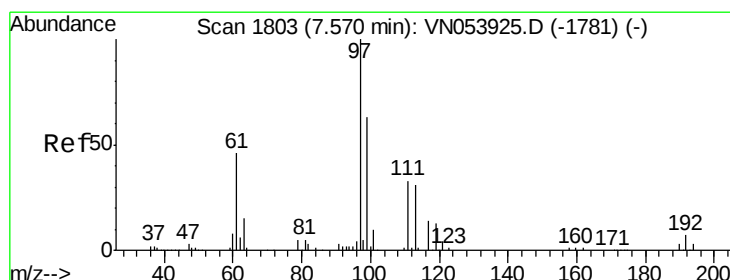
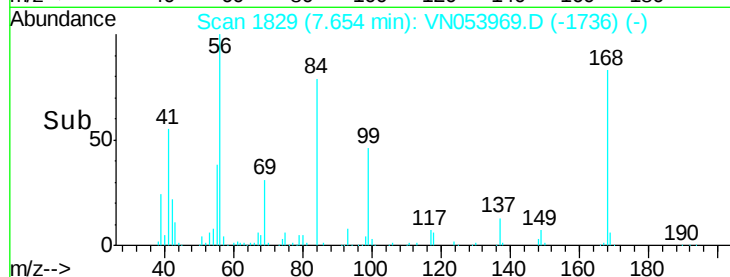
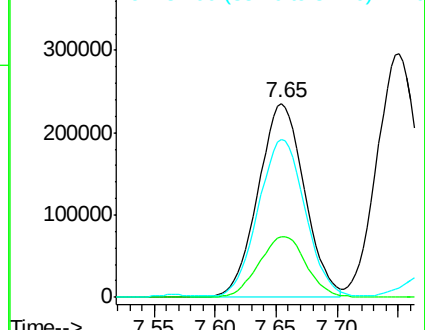
56 100

69 31.3 26.0 39.0

84 80.6 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 51.459 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

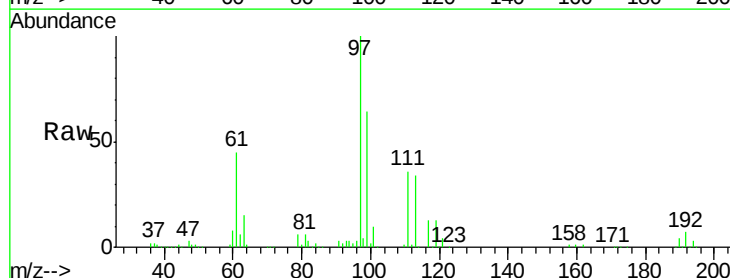
Tgt Ion: 97 Resp: 541207

Ion Ratio Lower Upper

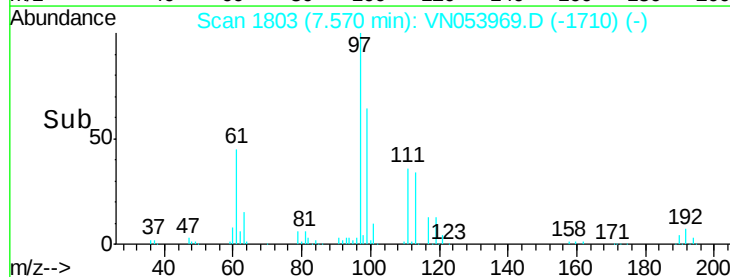
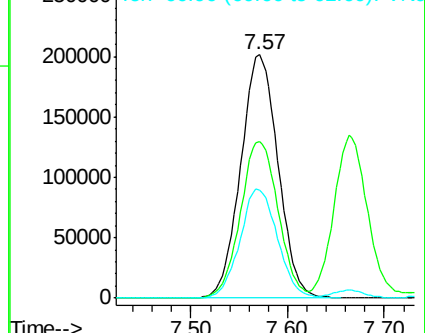
97 100

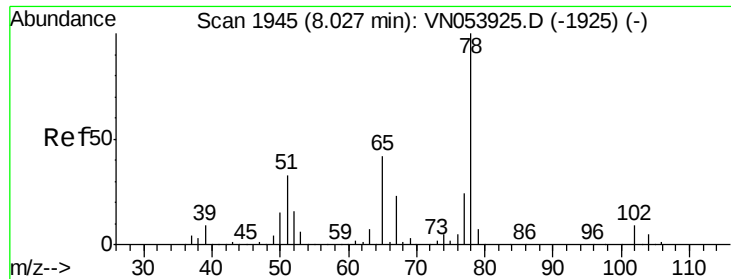
99 65.3 51.8 77.8

61 45.0 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

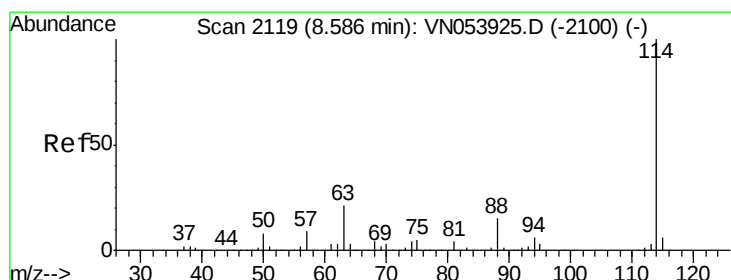
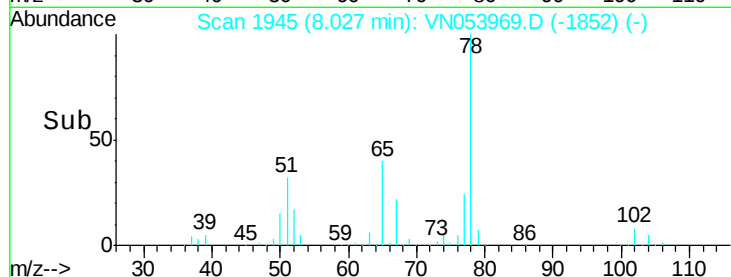
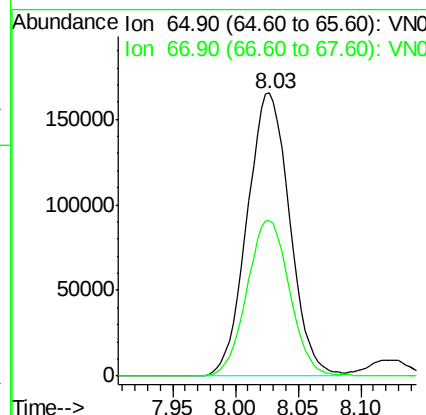
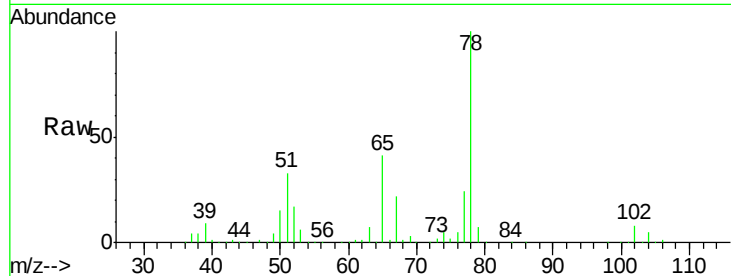




#33
 1,2-Dichloroethane-d4
 Concen: 51.971 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

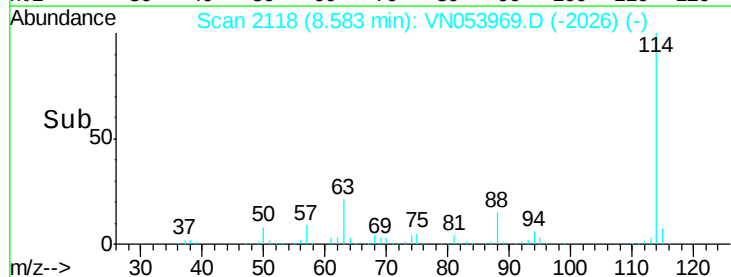
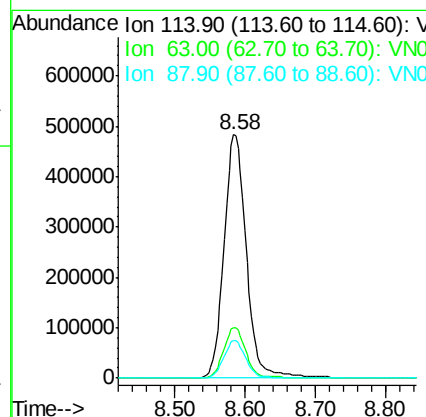
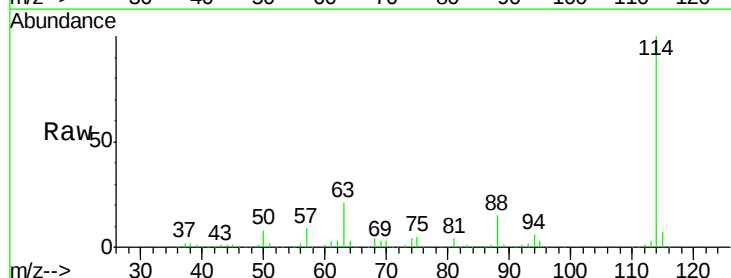
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

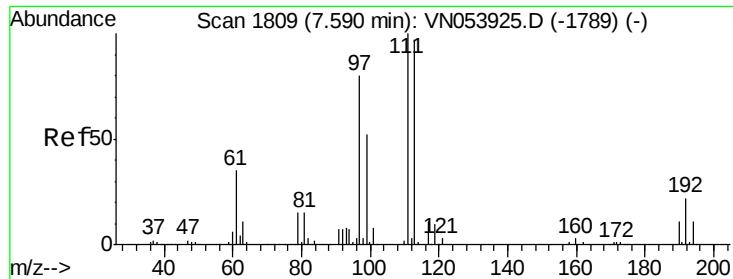
Tot Ion: 65 Resp: 391249
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion: 114 Resp: 1069480
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 37.4
 88 15.4 0.0 30.4

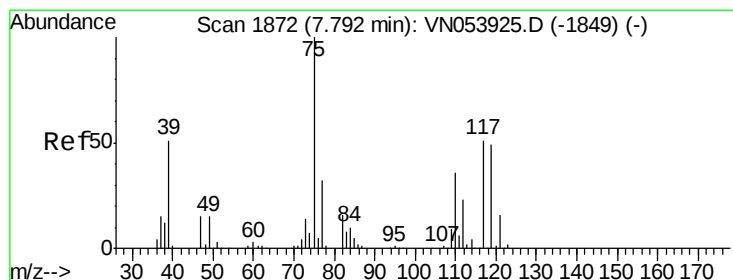
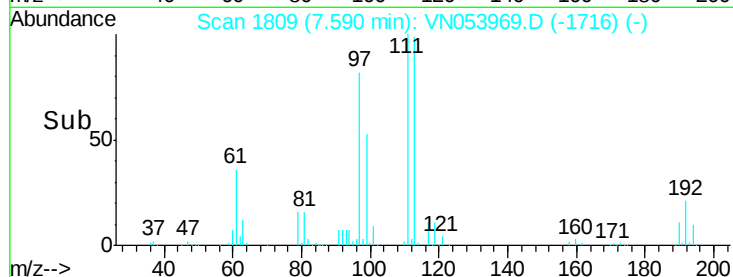
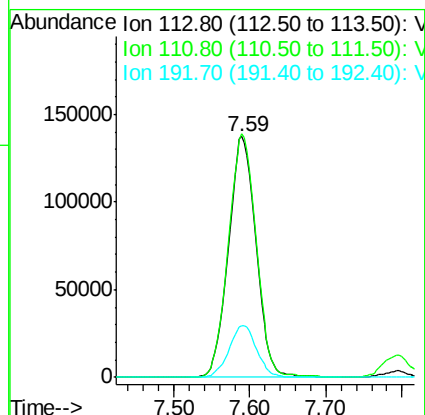
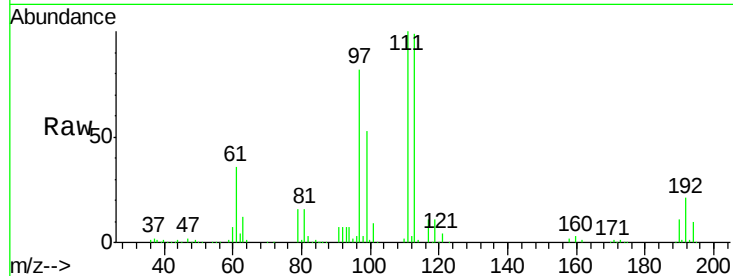




#35
 Dibromofluoromethane
 Concen: 50.321 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

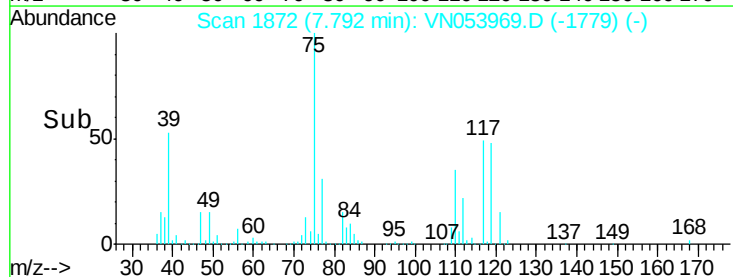
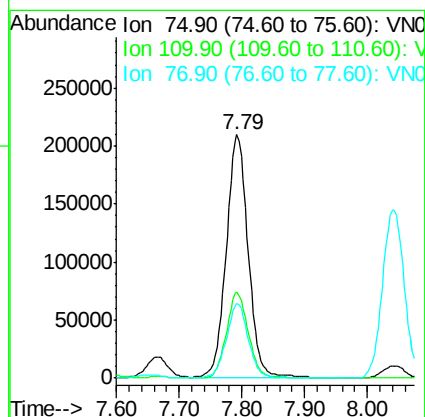
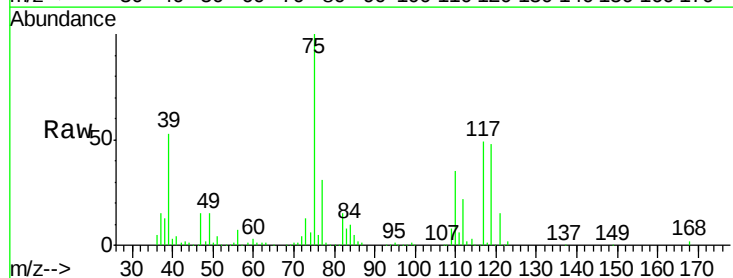
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

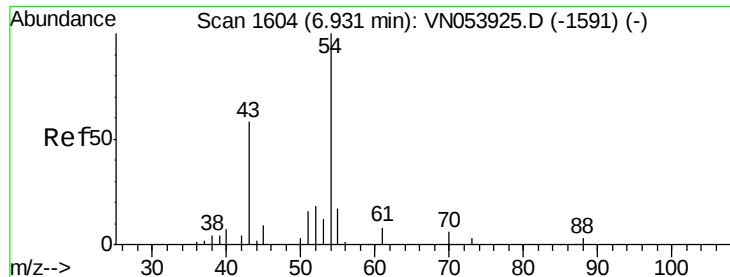
Tot Ion:113 Resp: 348013
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 21.4 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 51.090 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion: 75 Resp: 508135
 Ion Ratio Lower Upper
 75 100
 110 35.2 19.0 57.0
 77 30.4 25.4 38.0

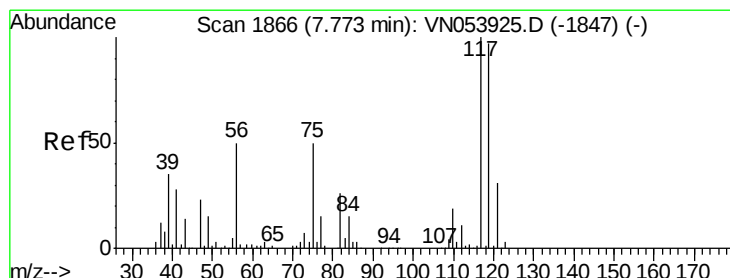
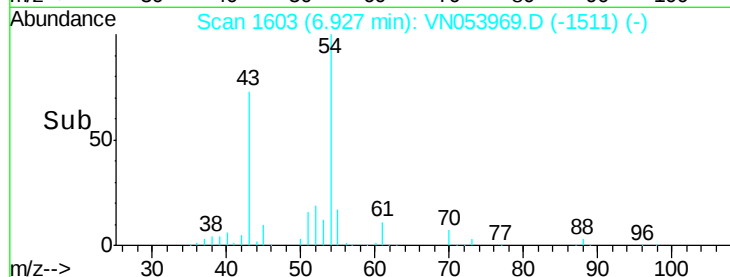
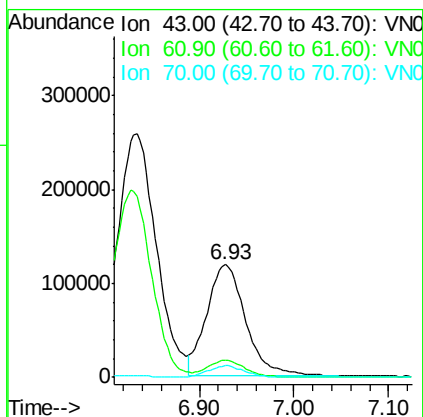
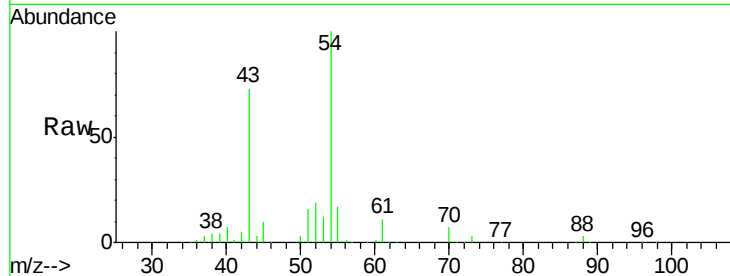




#37
Ethyl Acetate
Concen: 47.938 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

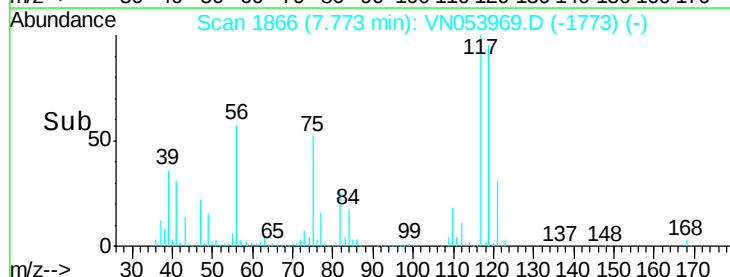
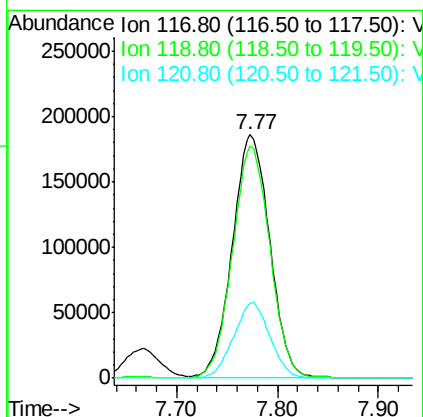
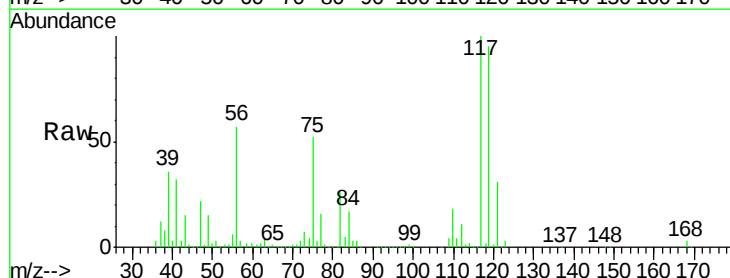
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

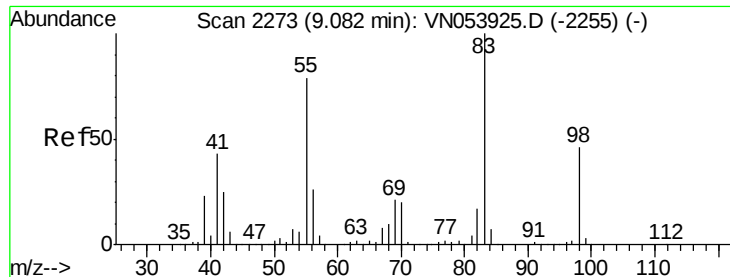
Tot Ion: 43 Resp: 340435
Ion Ratio Lower Upper
43 100
61 14.5 12.0 18.0
70 10.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 46.048 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 117 Resp: 476313
Ion Ratio Lower Upper
117 100
119 95.6 76.2 114.2
121 31.0 24.6 36.8

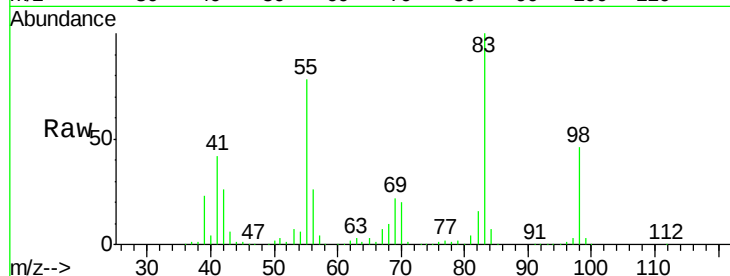




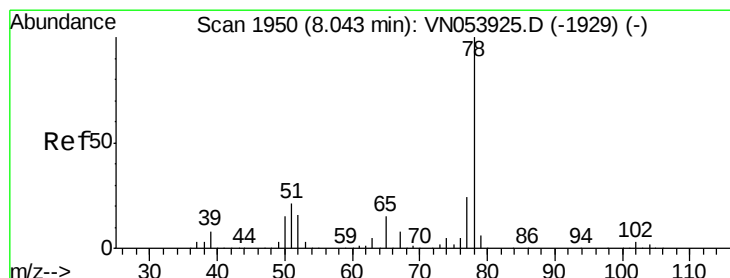
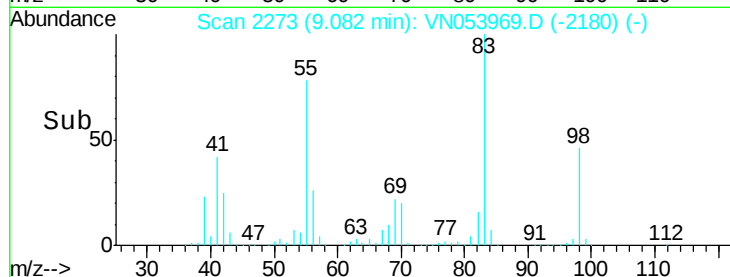
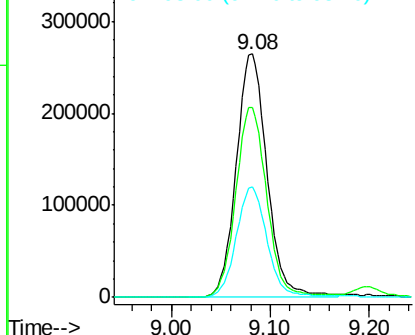
#39
Methvlcvclohexane
Concen: 47.852 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 573629
Ion Ratio Lower Upper
83 100
55 78.2 58.2 87.4
98 45.6 37.2 55.8

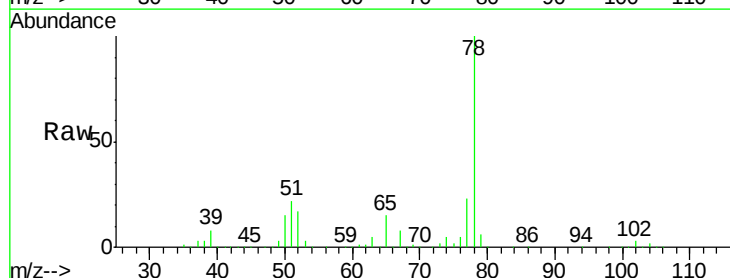


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

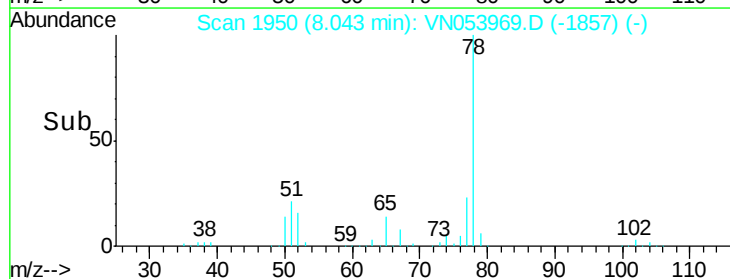
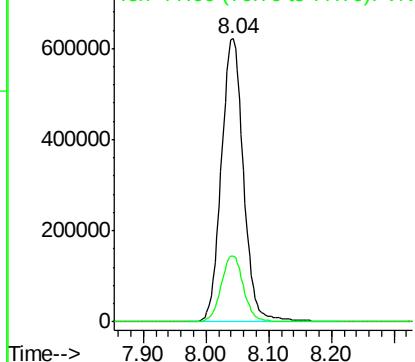


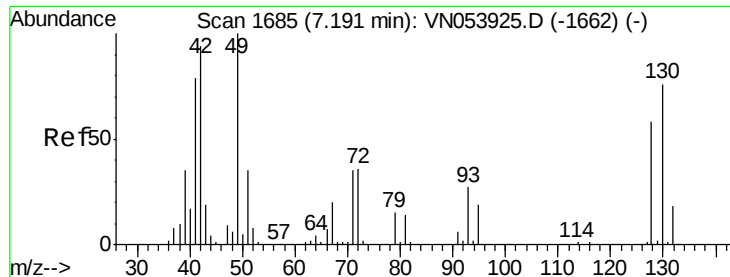
#40
Benzene
Concen: 49.862 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 78 Resp: 1523489
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

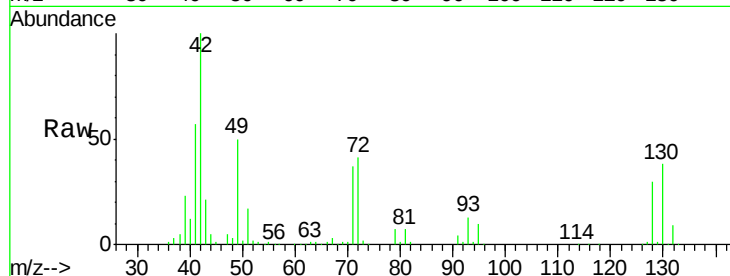




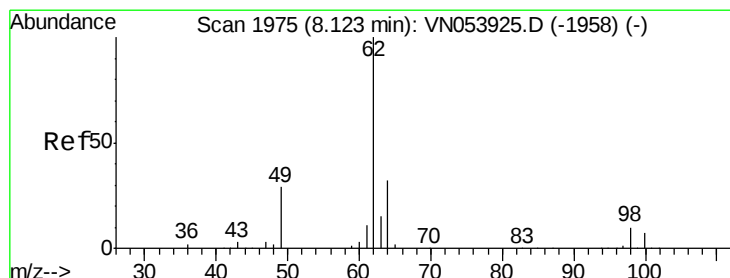
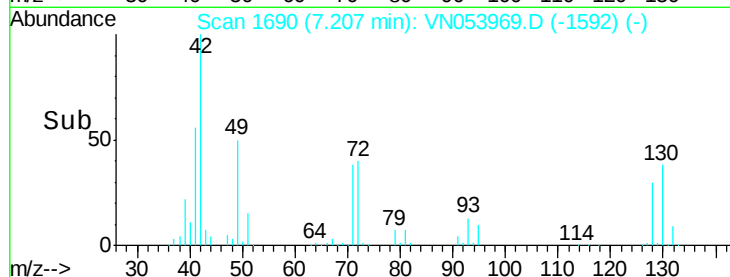
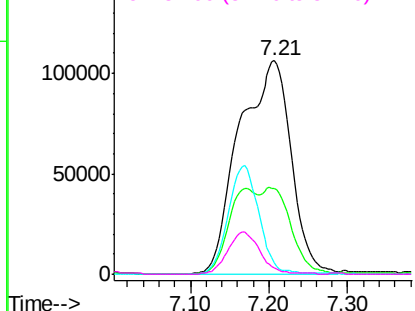
#41
Methacrylonitrile
Concen: 106.626 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.02 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	487587
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

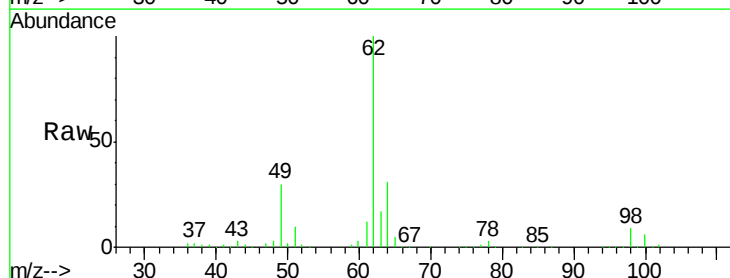


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

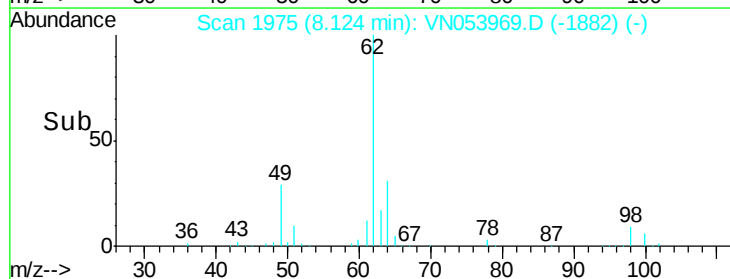
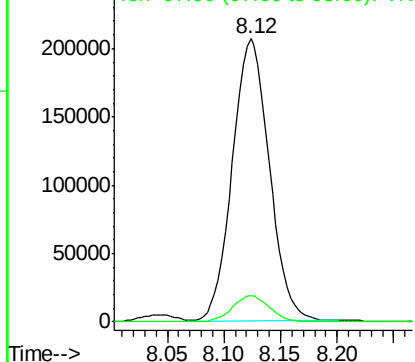


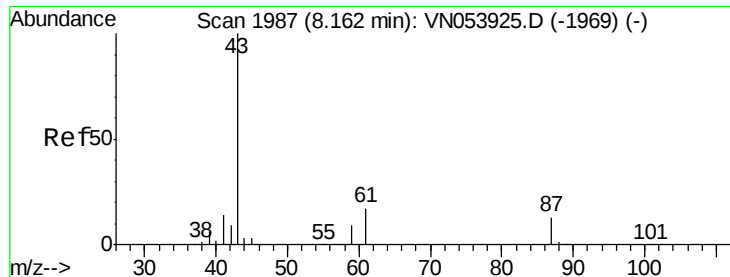
#42
1,2-Dichloroethane
Concen: 49.781 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion:	62	Resp:	470891
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 50.217 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

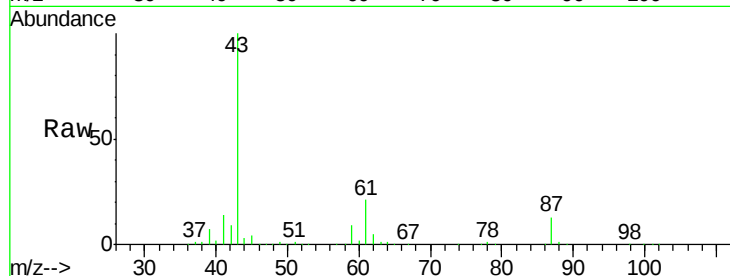
Tot Ion: 43 Resp: 602131

Ion Ratio Lower Upper

43 100

61 28.0 17.4 26.0#

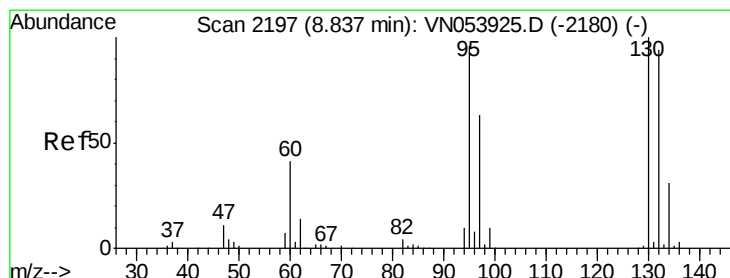
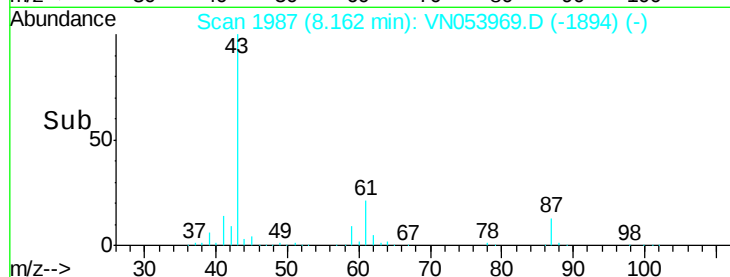
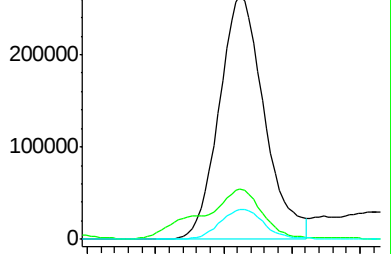
87 12.5 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)



#44

Trichloroethene

Concen: 49.498 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053969.D

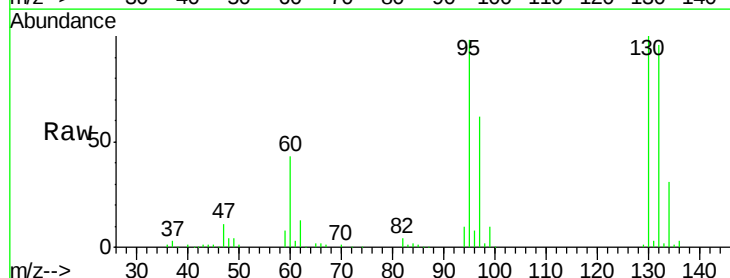
Acq: 26 Feb 2019 21:32

Tgt Ion:130 Resp: 400943

Ion Ratio Lower Upper

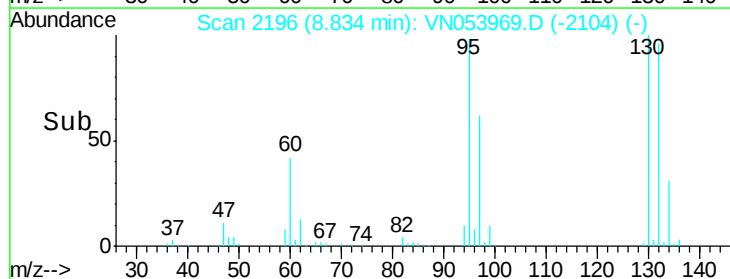
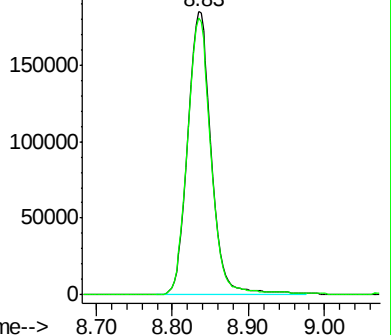
130 100

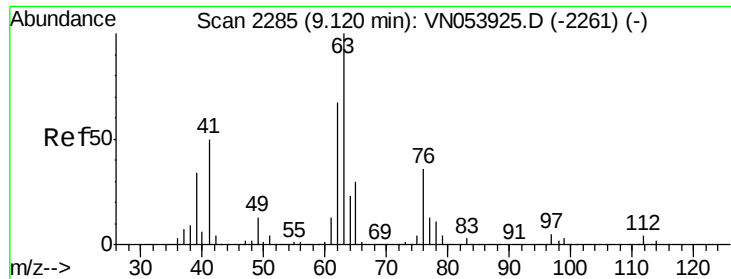
95 98.1 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053925.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053925.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 50.147 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

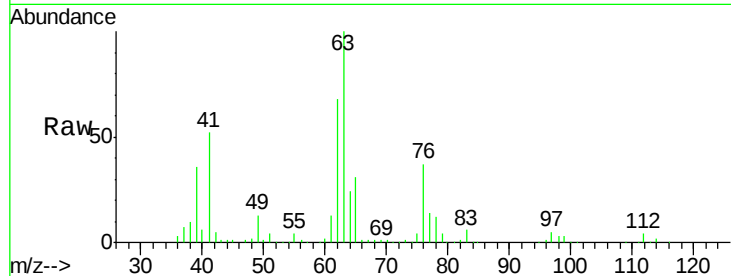
VSTDCCC050EC

Tot Ion: 63 Resp: 413376

Ion Ratio Lower Upper

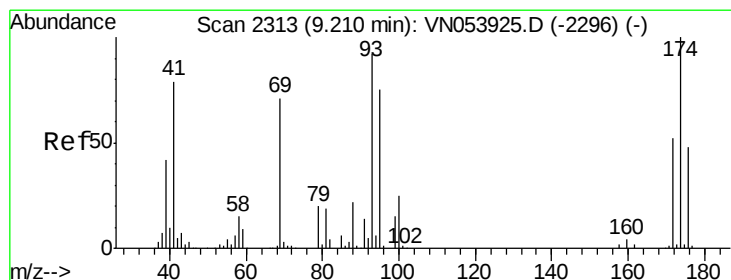
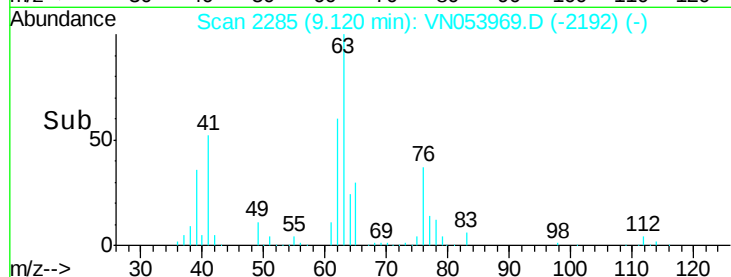
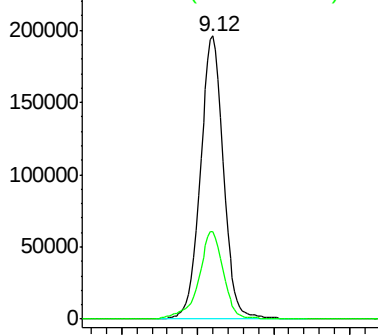
63 100

65 30.8 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.740 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

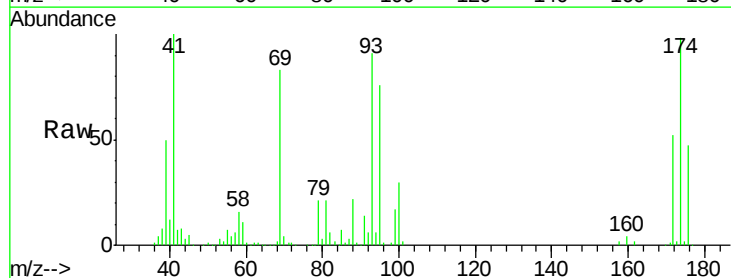
Tgt Ion: 93 Resp: 233254

Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

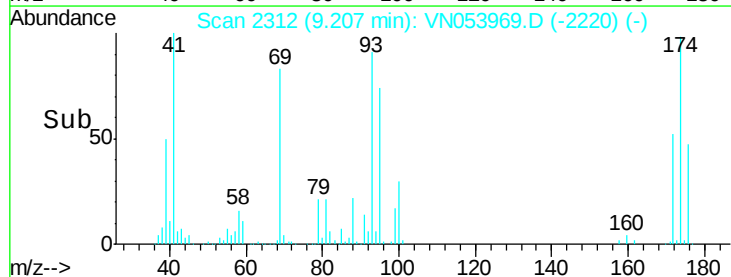
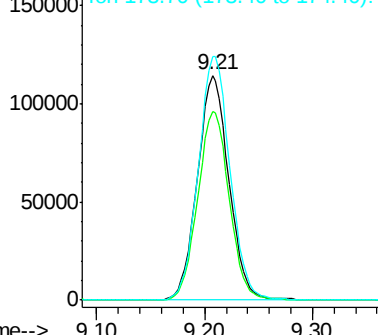
174 109.0 96.2 144.4

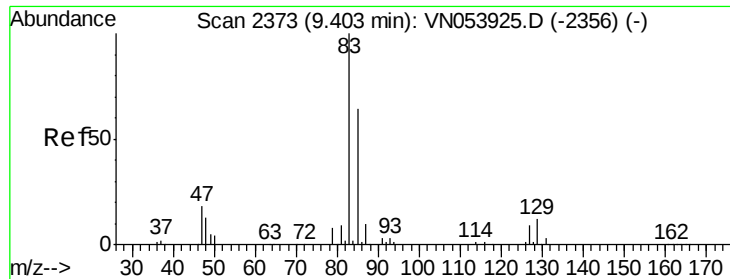


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.702 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

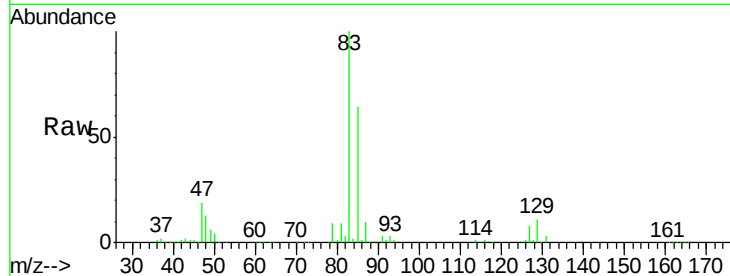
Tot Ion: 83 Resp: 501267

Ion Ratio Lower Upper

83 100

85 64.1 51.8 77.6

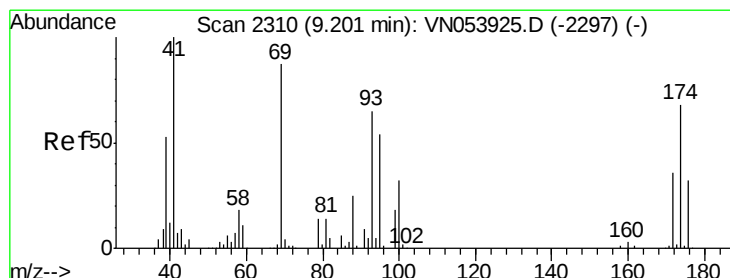
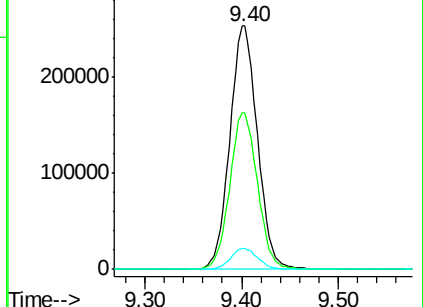
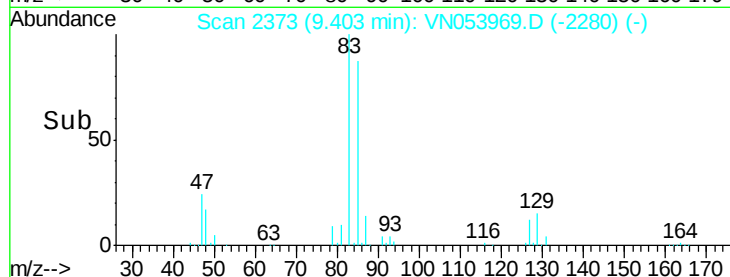
127 8.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053969.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053969.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053969.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.960 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

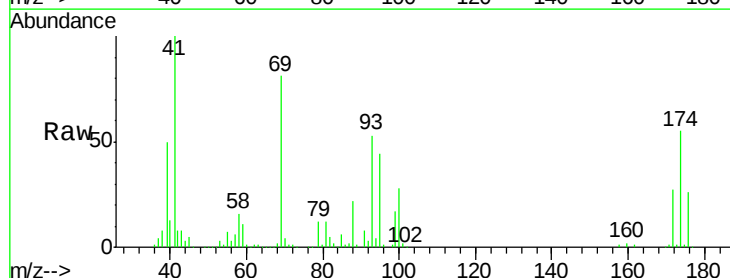
Tgt Ion: 41 Resp: 292092

Ion Ratio Lower Upper

41 100

69 88.4 74.8 112.2

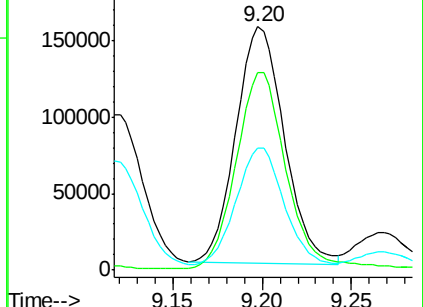
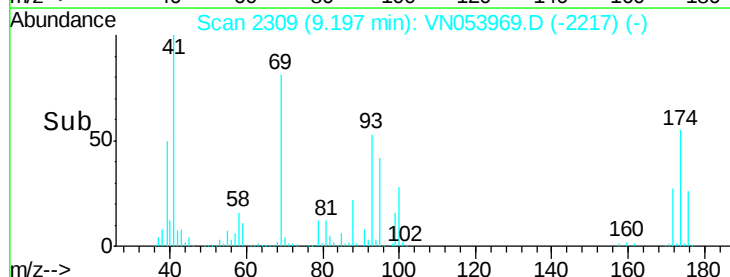
39 53.6 39.0 58.6

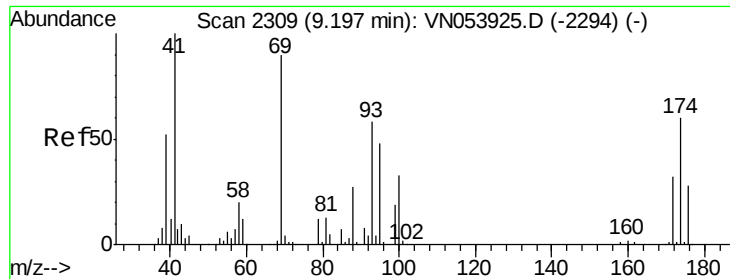


Abundance Ion 41.00 (40.70 to 41.70): VN053969.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053969.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053969.D (-2217) (-)





#49

1,4-Dioxane

Concen: 968.391 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

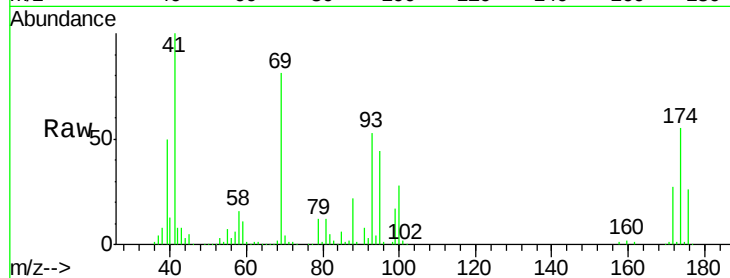
Tot Ion: 88 Resp: 72340

Ion Ratio Lower Upper

88 100

43 33.0 21.2 31.8#

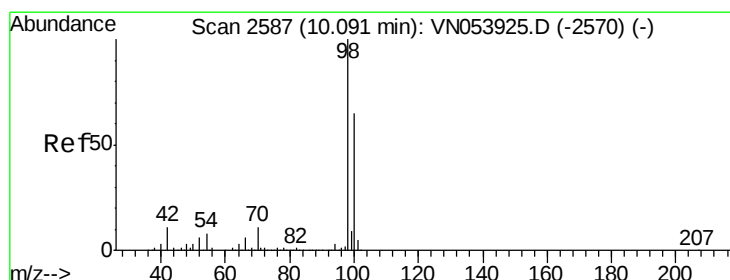
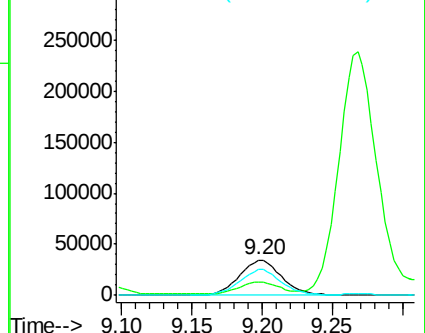
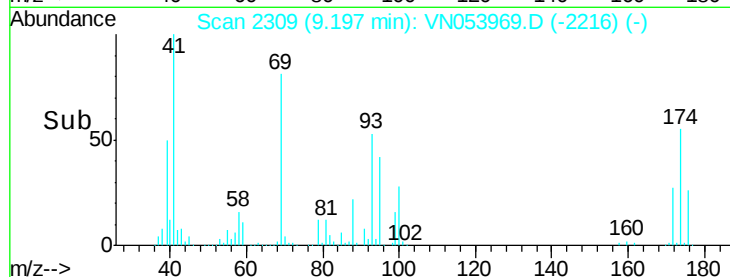
58 72.4 54.2 81.2



Abundance Ion 88.00 (87.70 to 88.70): VN053969.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053969.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053969.D (-2216) (-)



#50

Toluene-d8

Concen: 50.269 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053969.D

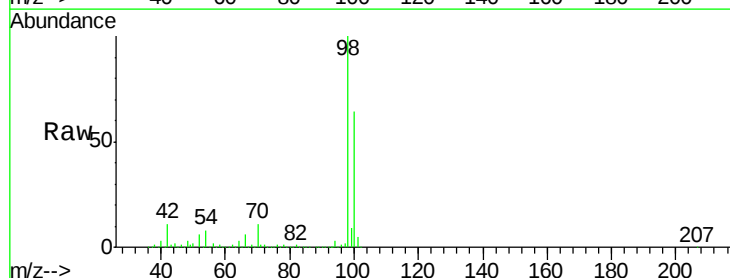
Acq: 26 Feb 2019 21:32

Tgt Ion: 98 Resp: 1294170

Ion Ratio Lower Upper

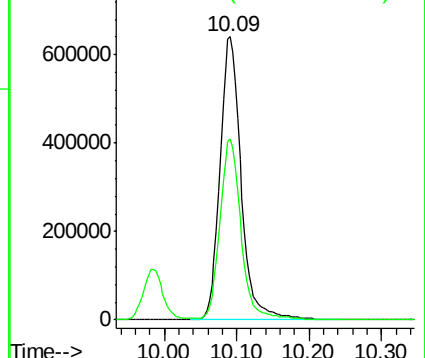
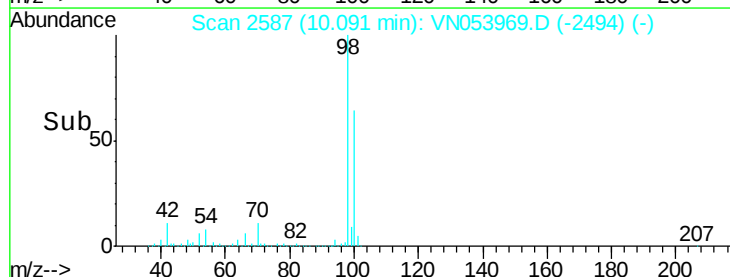
98 100

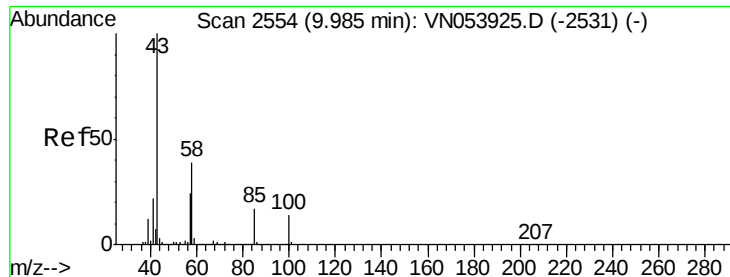
100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053969.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053969.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 265.940 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

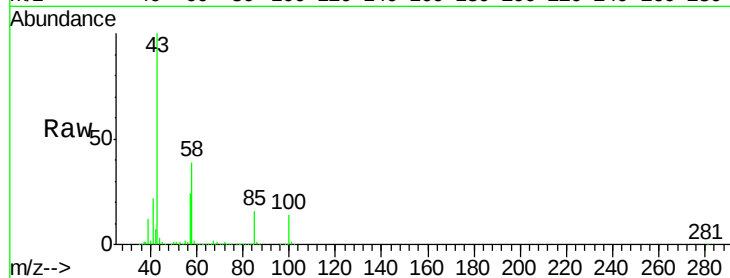
VSTDCCC050EC

Tot Ion: 43 Resp: 1638608

Ion Ratio Lower Upper

43 100

58 38.4 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-2531) (-)

9.99

800000

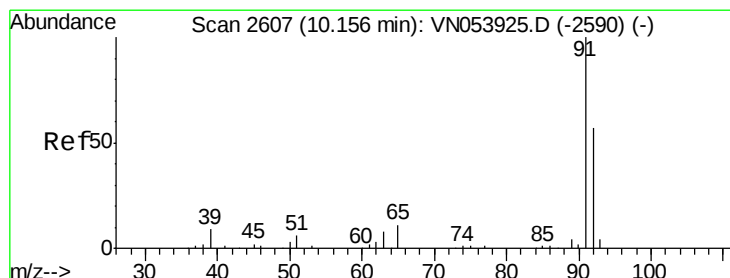
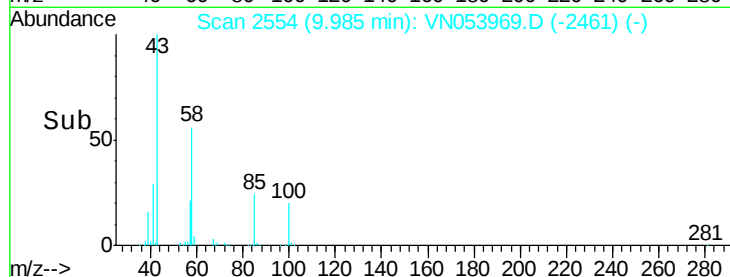
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.932 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053969.D

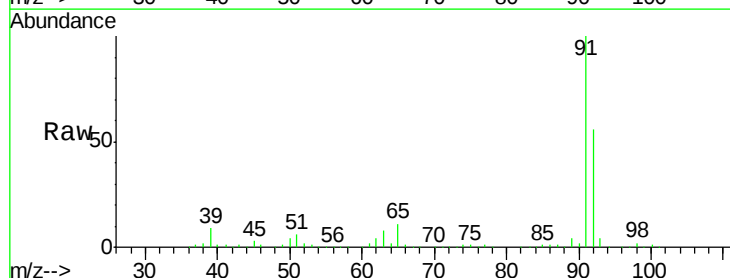
Acq: 26 Feb 2019 21:32

Tgt Ion: 92 Resp: 898328

Ion Ratio Lower Upper

92 100

91 177.1 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053925.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN053925.D (-2590) (-)

10.16

800000

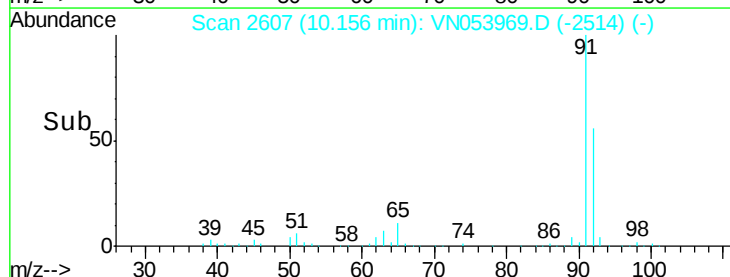
600000

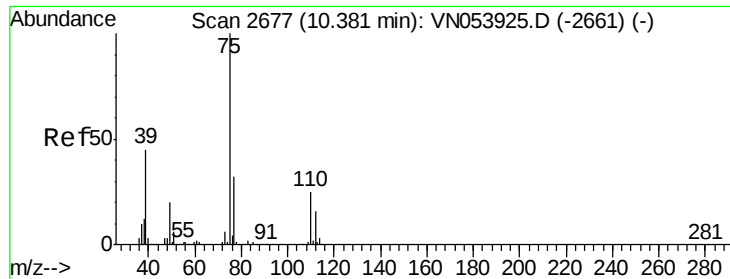
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.580 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

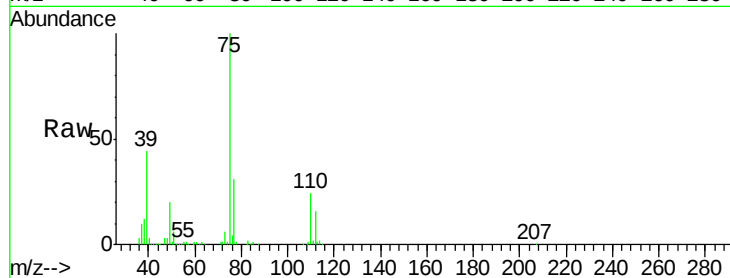
VSTDCCC050EC

Tot Ion: 75 Resp: 506160

Ion Ratio Lower Upper

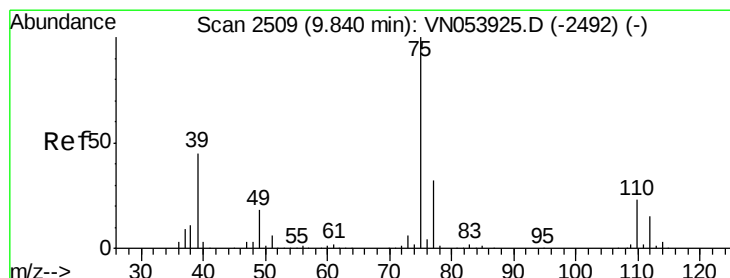
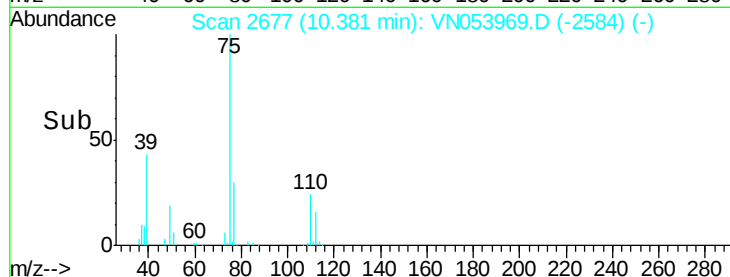
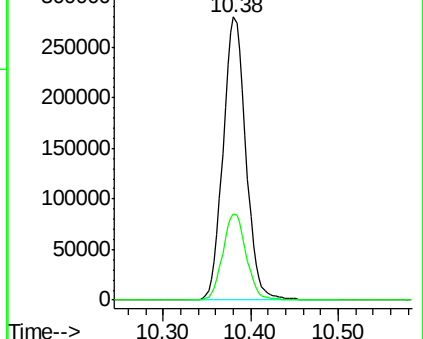
75 100

77 30.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.310 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

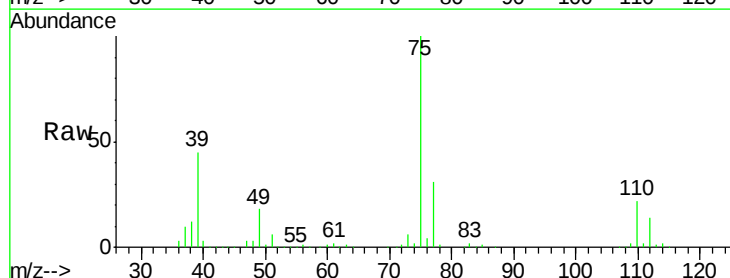
Tgt Ion: 75 Resp: 593577

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

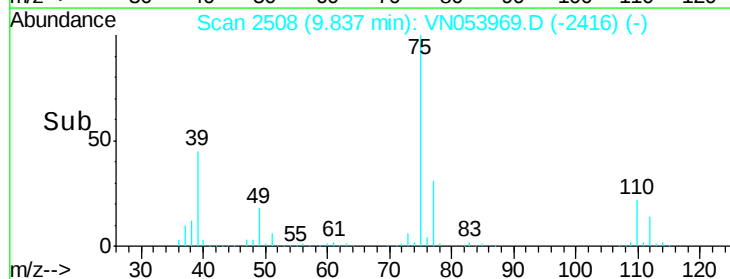
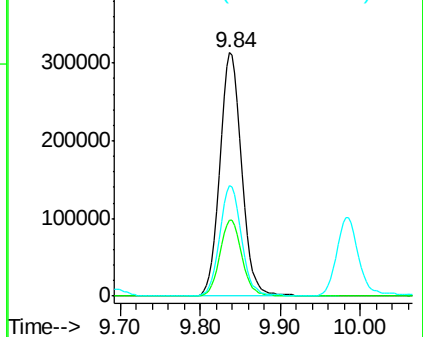
39 45.1 31.4 47.0

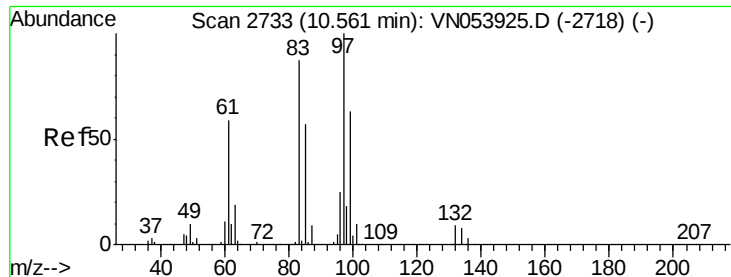


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

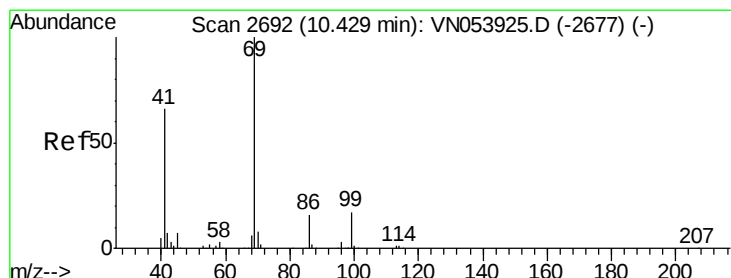
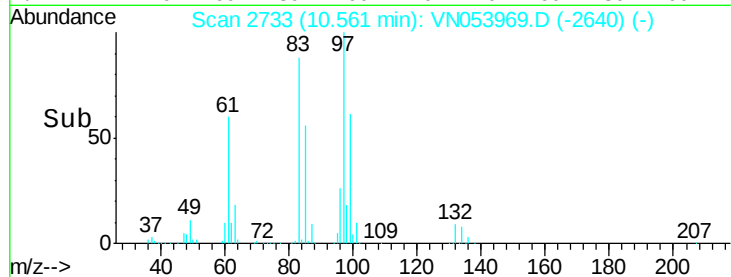
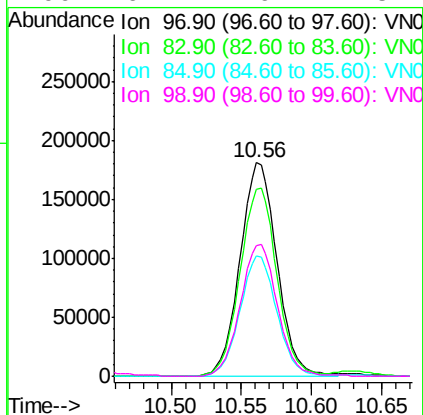
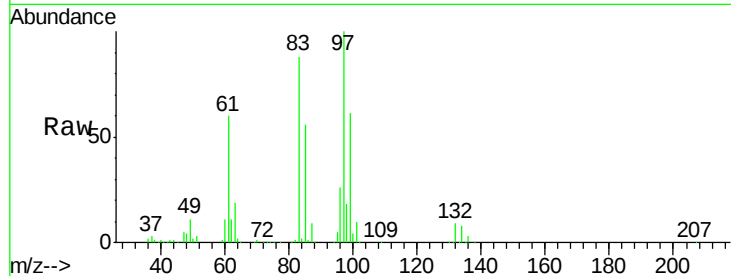




#55
 1,1,2-Trichloroethane
 Concen: 49.504 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

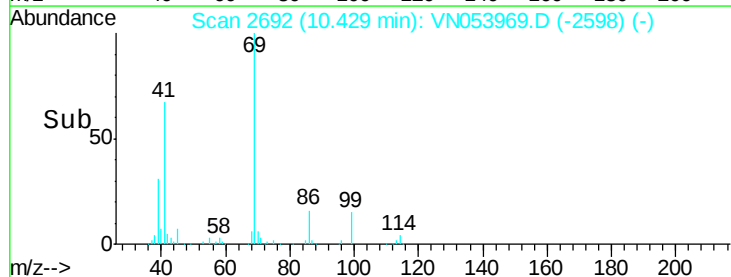
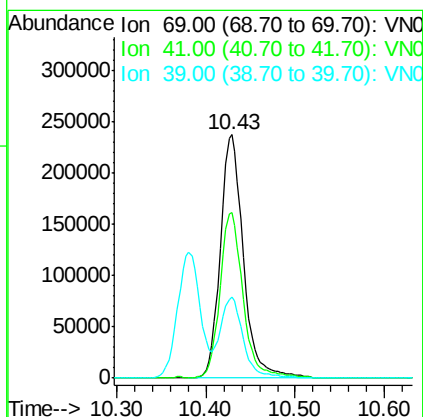
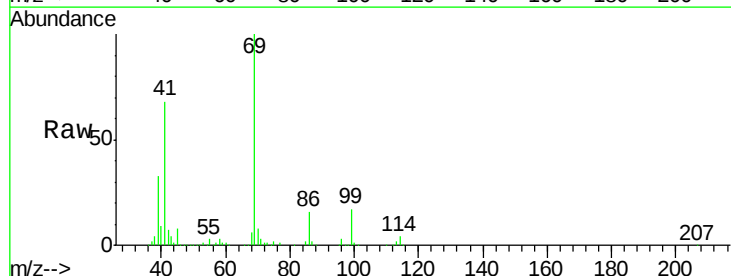
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

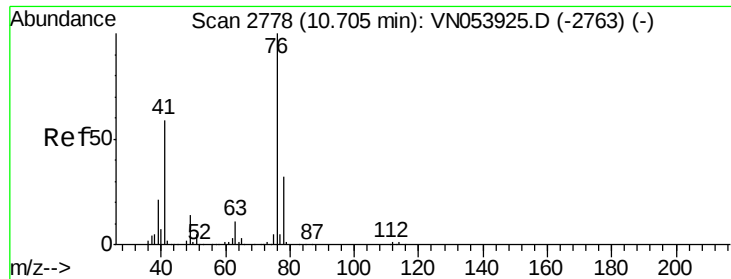
Tot Ion:	97	Resp:	332617
Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.5	104.3
85	56.2	45.9	68.9
99	61.2	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 48.392 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion:	69	Resp:	425755
Ion	Ratio	Lower	Upper
69	100		
41	67.7	47.5	71.3
39	33.0	23.4	35.0





#57

1,3-Dichloropropane

Concen: 50.659 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

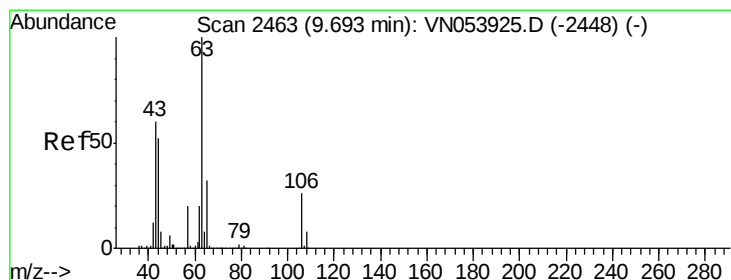
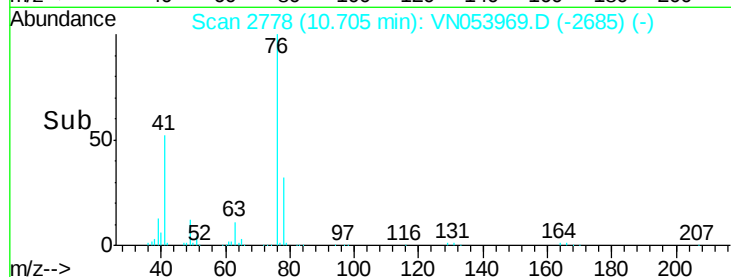
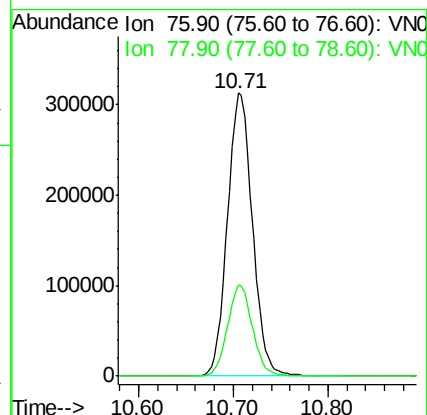
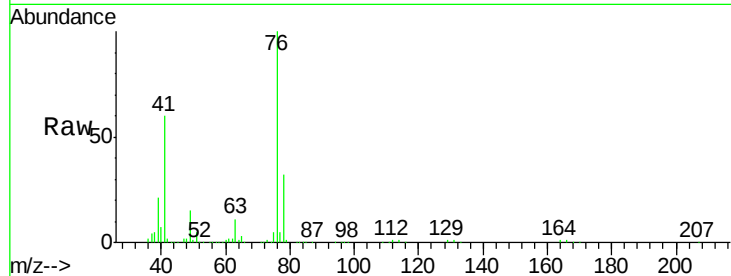
VSTDCCC050EC

Tot Ion: 76 Resp: 575106

Ion Ratio Lower Upper

76 100

78 32.2 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 231.083 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053969.D

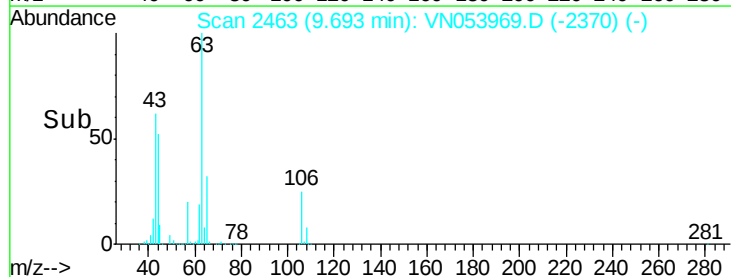
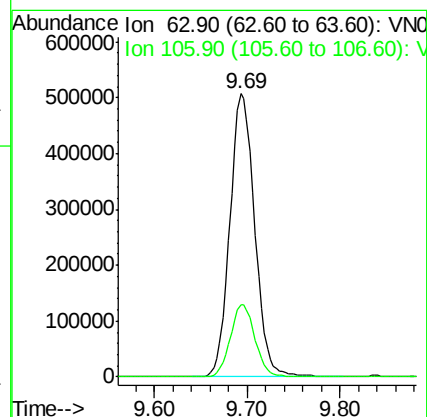
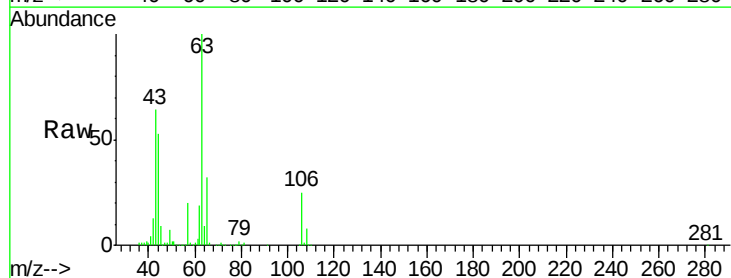
Acq: 26 Feb 2019 21:32

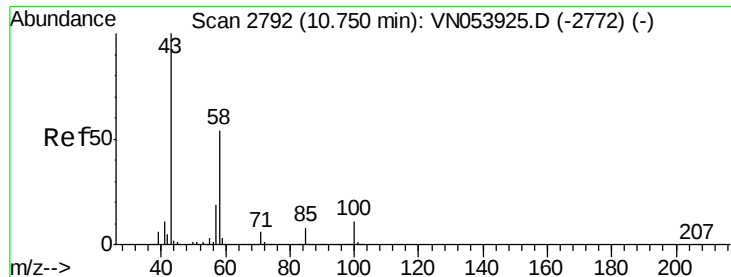
Tgt Ion: 63 Resp: 943358

Ion Ratio Lower Upper

63 100

106 25.3 22.2 33.2

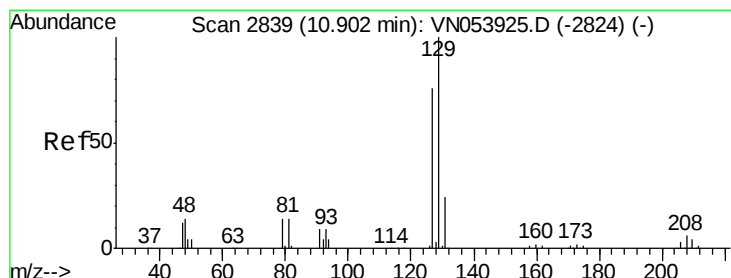
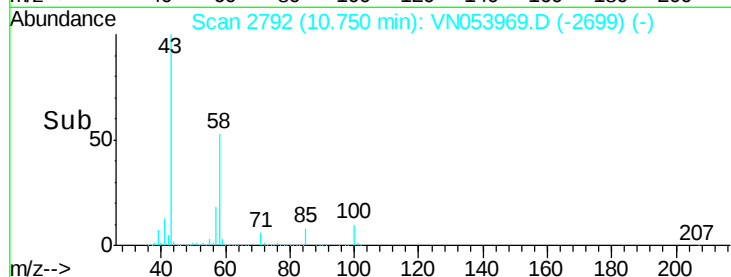
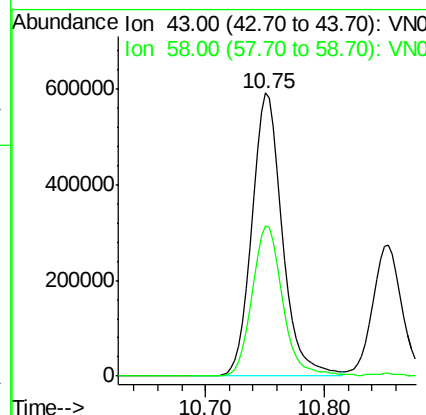
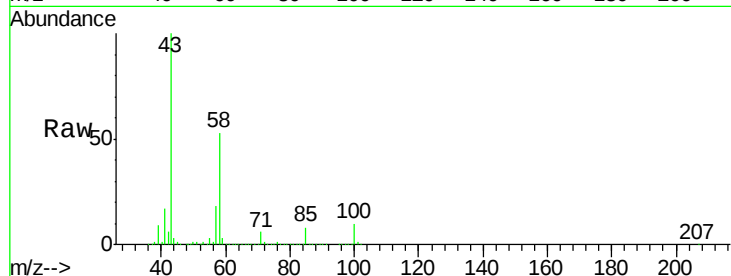




#59
2-Hexanone
Concen: 260.511 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

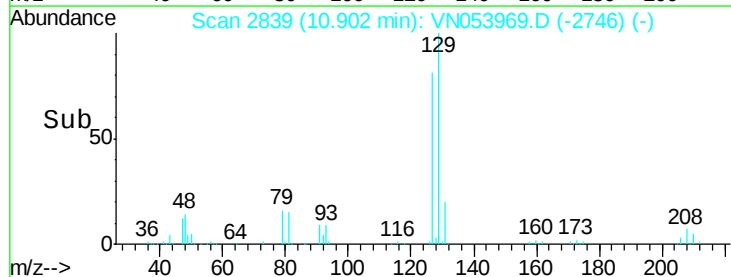
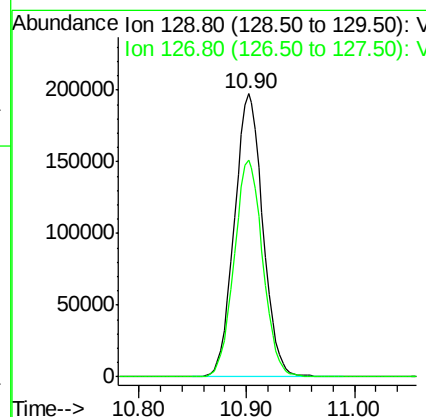
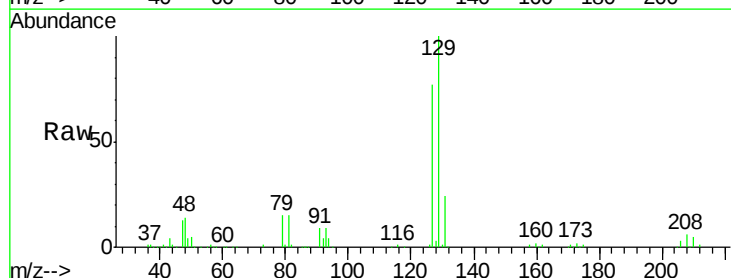
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

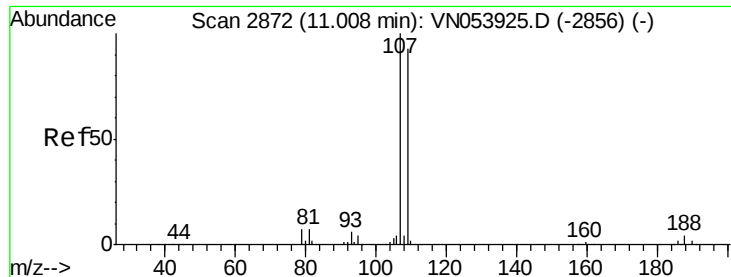
Tot Ion: 43 Resp: 1043966
Ion Ratio Lower Upper
43 100
58 53.4 29.1 87.4



#60
Dibromochloromethane
Concen: 48.668 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 129 Resp: 363414
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.008 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

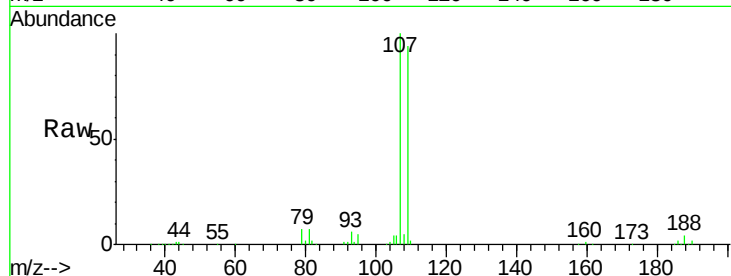
VSTDCCC050EC

Tot Ion:107 Resp: 324123

Ion Ratio Lower Upper

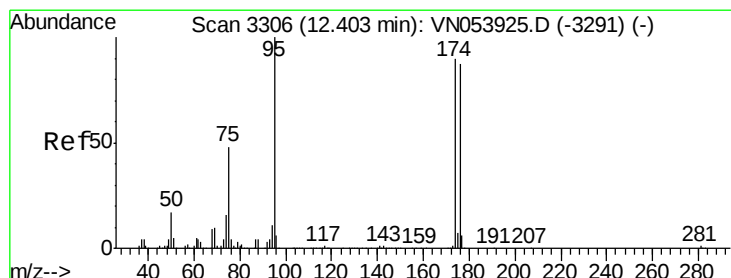
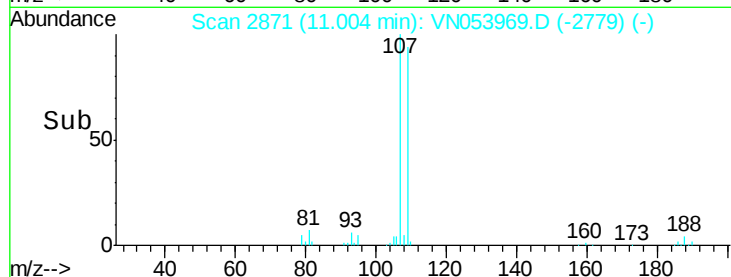
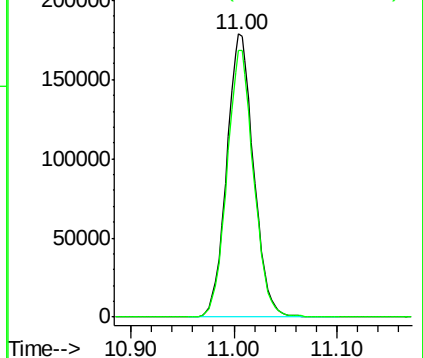
107 100

109 93.7 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.519 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

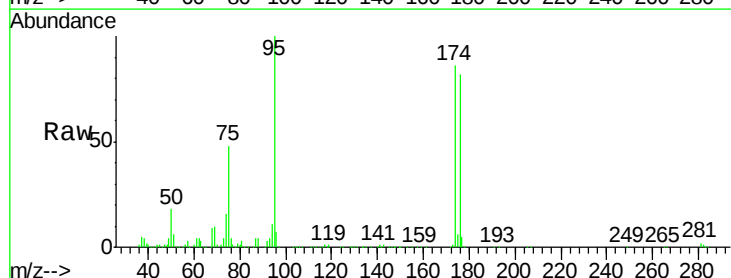
Tgt Ion: 95 Resp: 433325

Ion Ratio Lower Upper

95 100

174 87.4 0.0 188.8

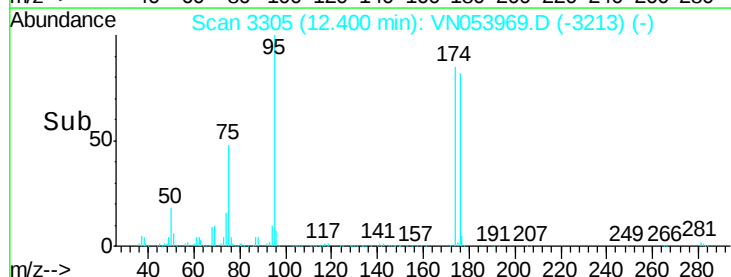
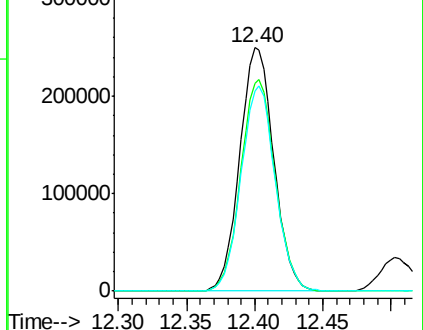
176 84.5 0.0 182.6

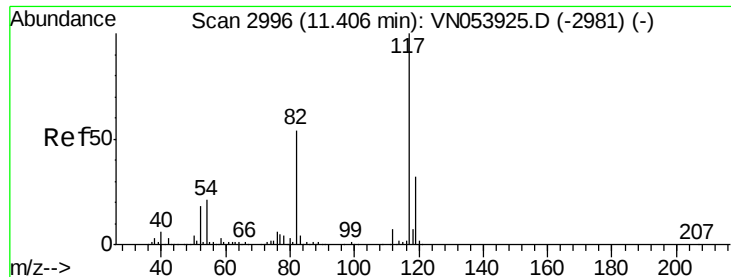


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

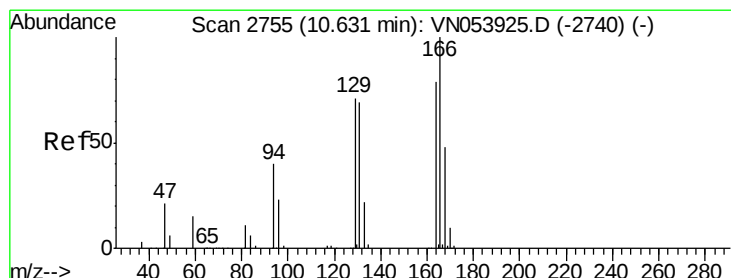
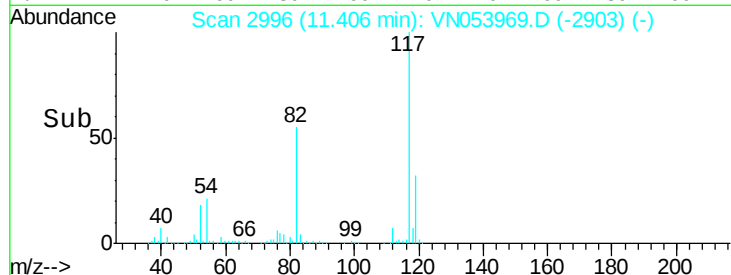
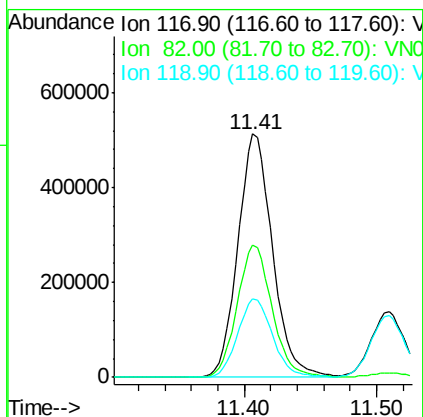
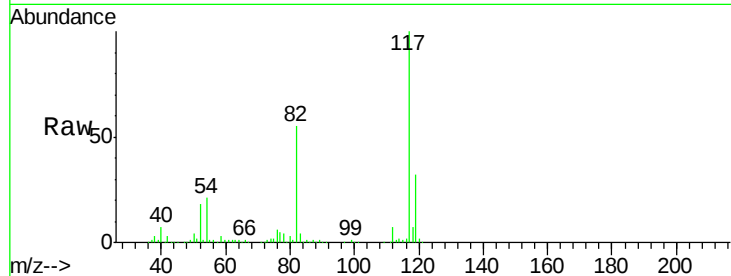




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

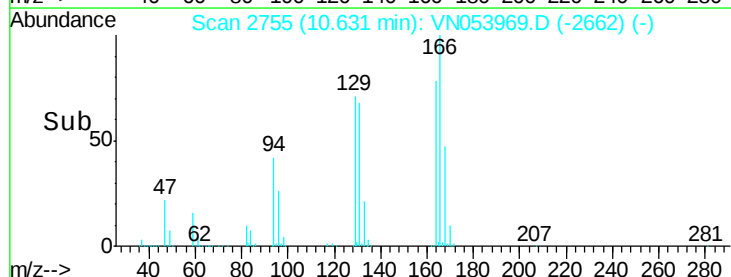
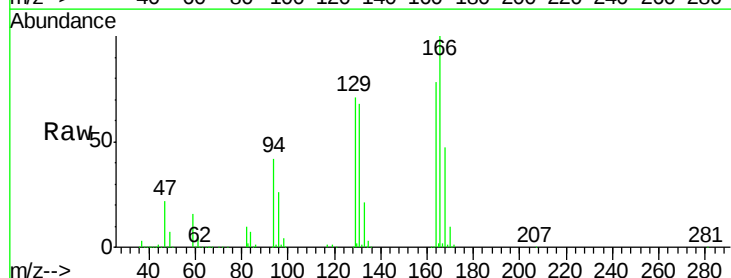
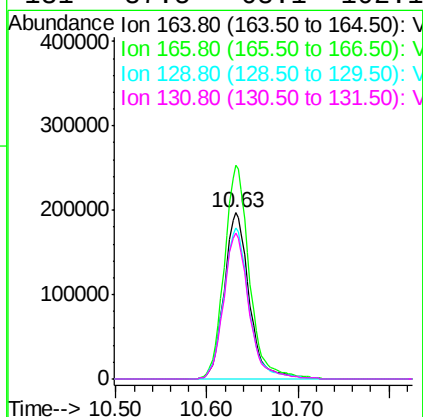
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 933859
Ion Ratio Lower Upper
117 100
82 54.5 41.4 62.2
119 32.4 25.3 37.9



#64
Tetrachloroethene
Concen: 47.796 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion:164 Resp: 377959
Ion Ratio Lower Upper
164 100
166 128.5 102.6 153.8
129 91.2 69.4 104.0
131 87.5 68.1 102.1

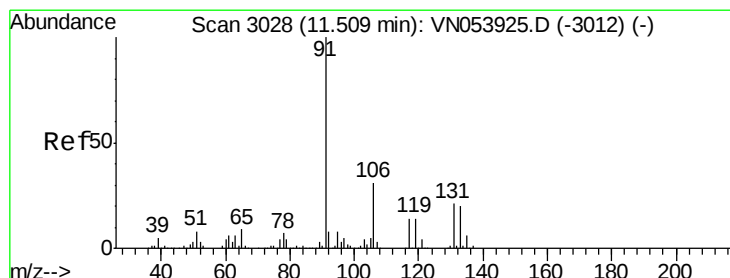
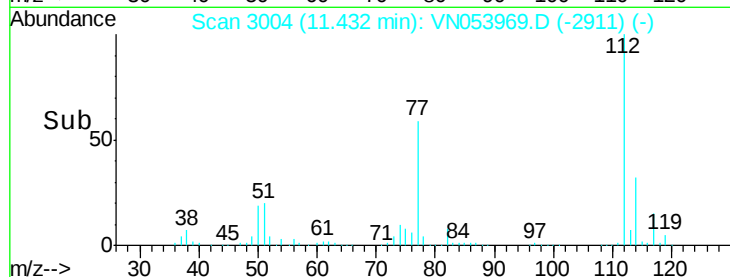
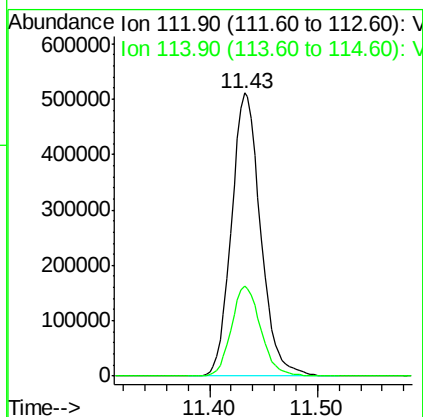
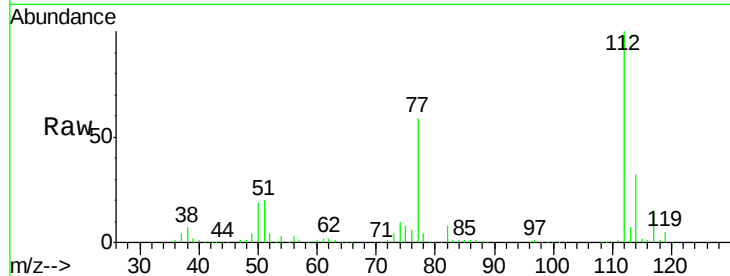




#65
Chlorobenzene
Concen: 48.816 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

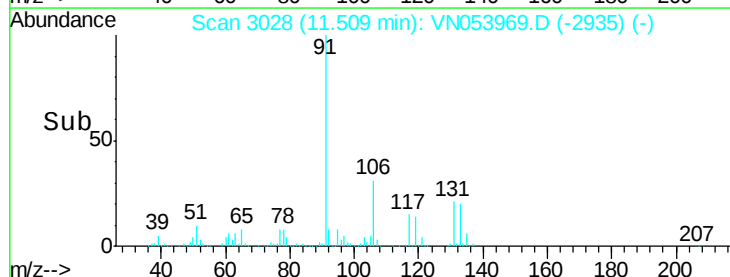
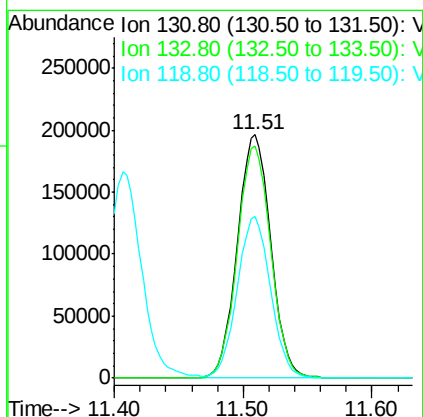
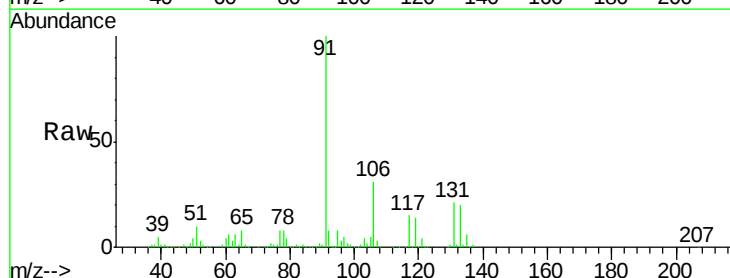
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

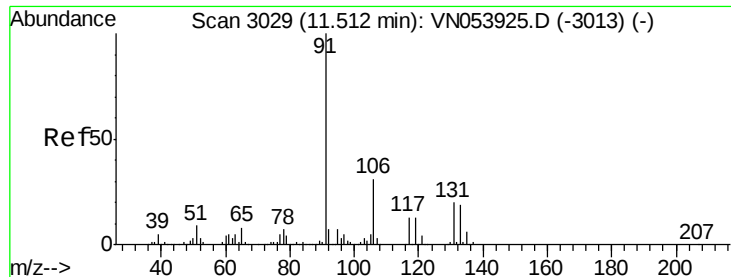
Tot Ion:112 Resp: 962103
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.897 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion:131 Resp: 354425
Ion Ratio Lower Upper
131 100
133 95.4 47.7 143.1
119 66.2 33.1 99.3

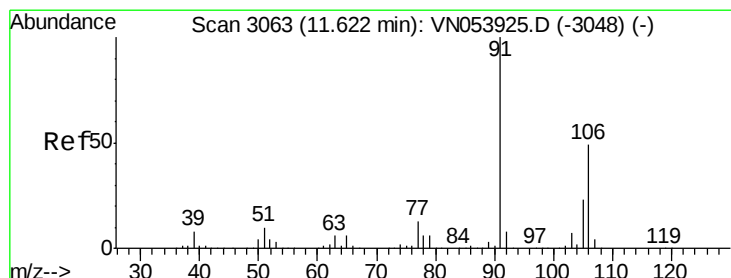
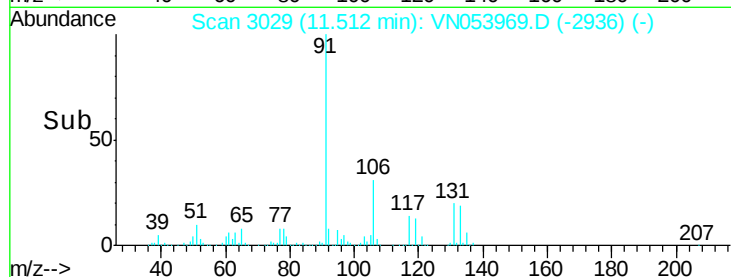
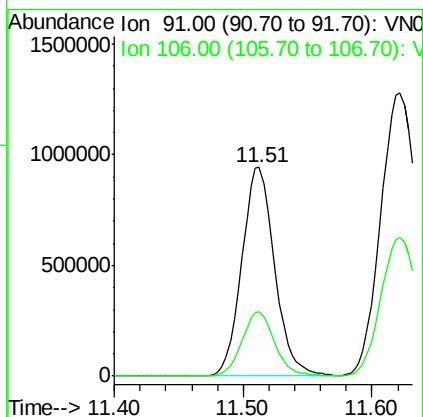
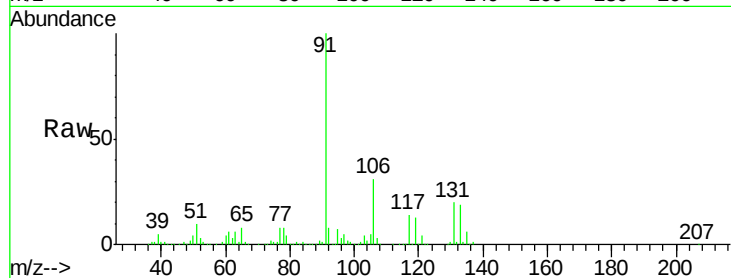




#67
Ethyl Benzene
Concen: 50.758 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

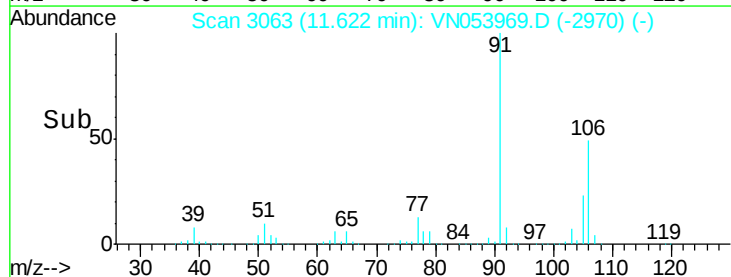
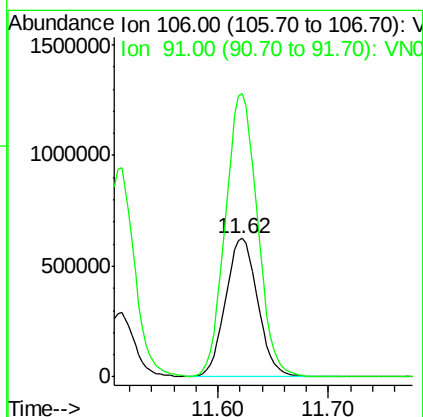
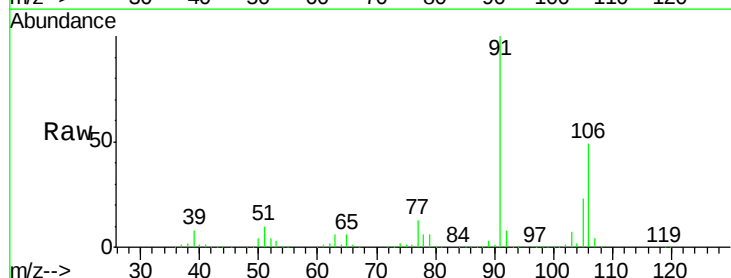
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

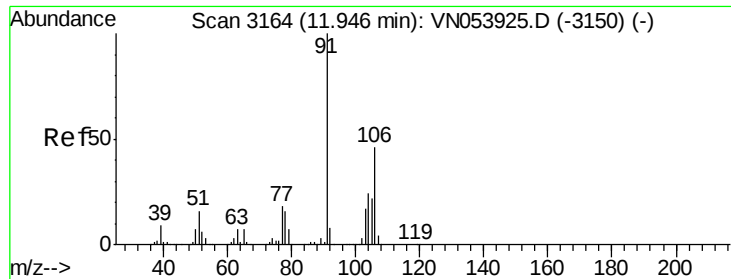
Tot Ion: 91 Resp: 1677066
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8



#68
m/p-Xylenes
Concen: 101.648 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 106 Resp: 1267576
Ion Ratio Lower Upper
106 100
91 203.9 158.9 238.3

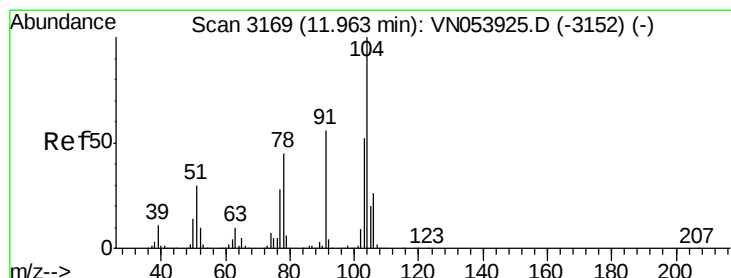
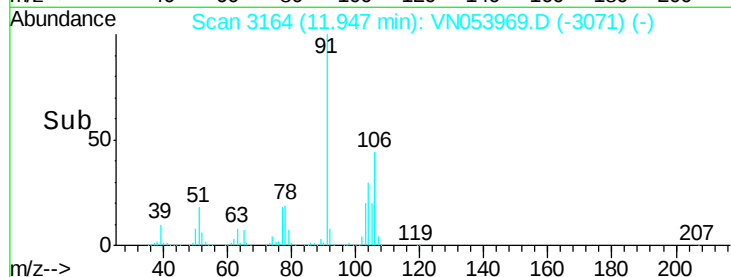
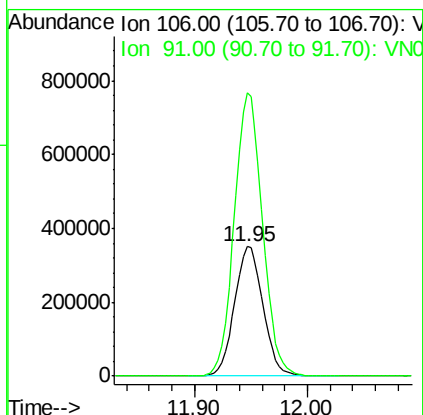
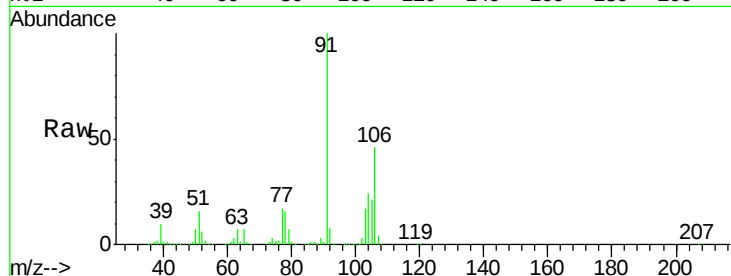




#69
o-Xylene
Concen: 50.098 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

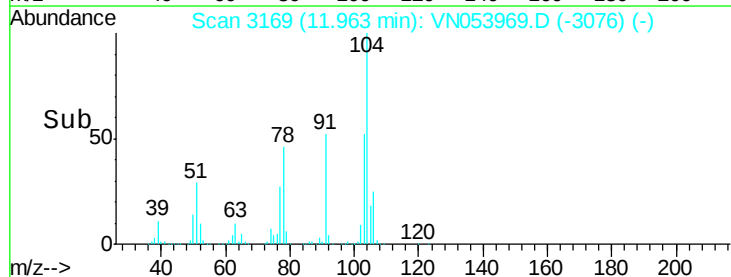
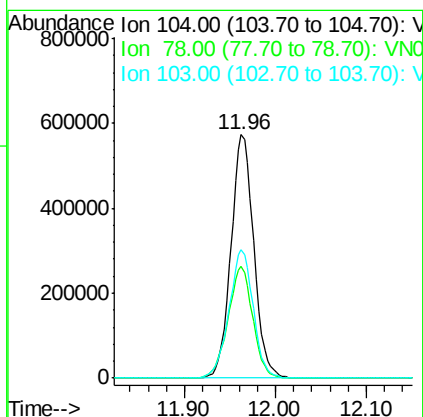
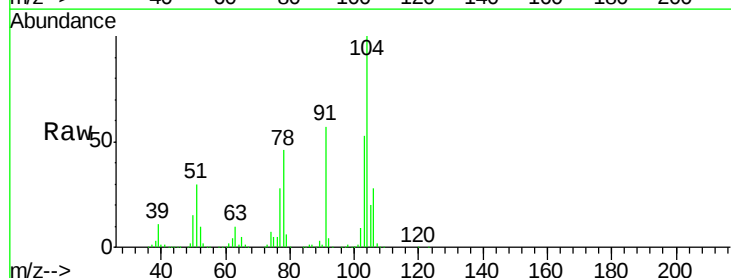
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

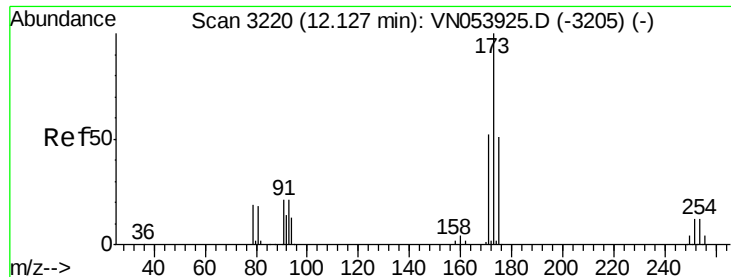
Tot Ion:106 Resp: 613852
Ion Ratio Lower Upper
106 100
91 217.0 106.0 318.0



#70
Styrene
Concen: 52.856 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion:104 Resp: 996136
Ion Ratio Lower Upper
104 100
78 49.7 38.1 57.1
103 56.2 44.6 67.0





#71

Bromoform

Concen: 49.298 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

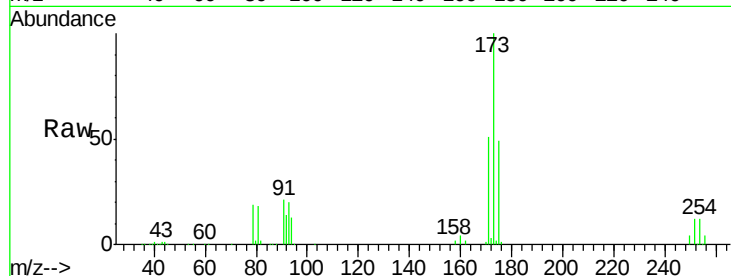
Tot Ion:173 Resp: 243610

Ion Ratio Lower Upper

173 100

175 48.5 24.3 72.8

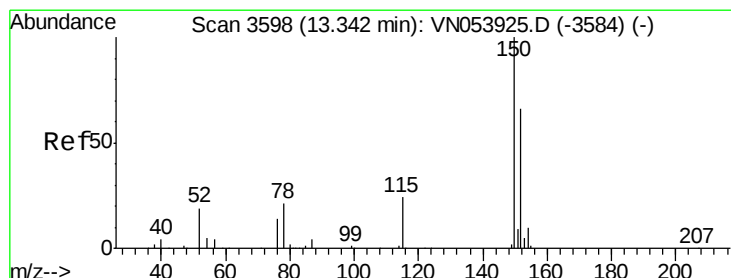
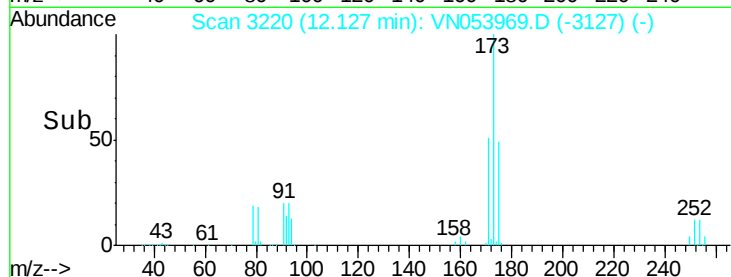
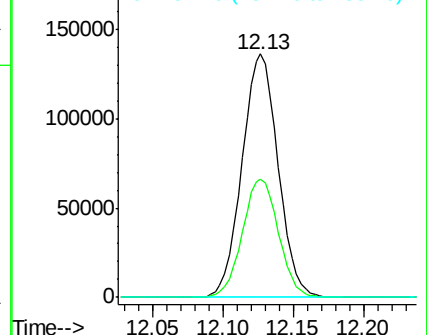
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

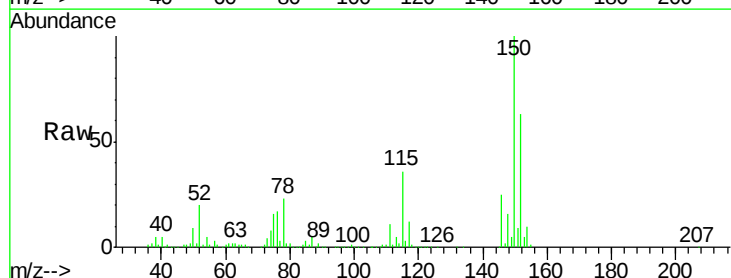
Tgt Ion:152 Resp: 430127

Ion Ratio Lower Upper

152 100

115 57.1 27.2 81.6

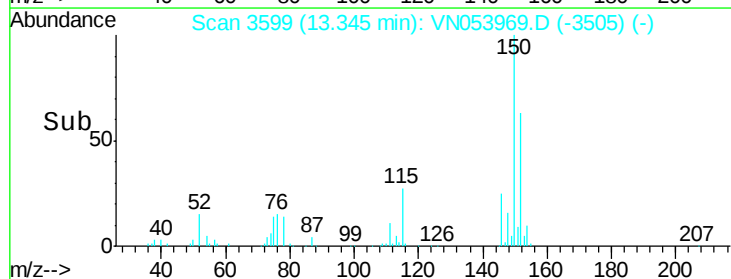
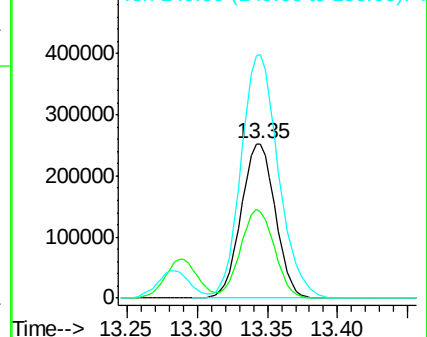
150 171.7 0.0 348.2

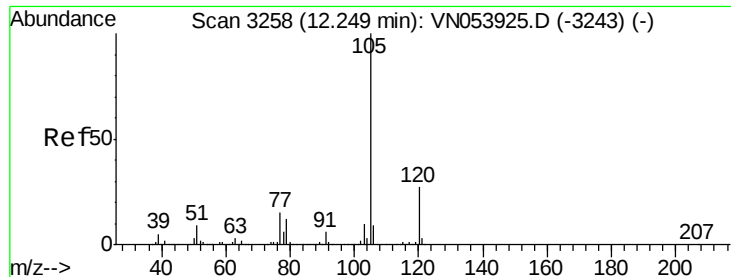


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.512 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

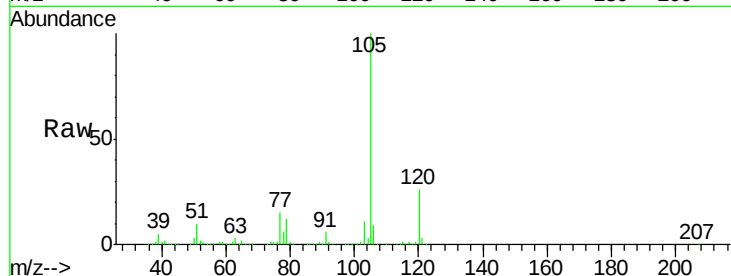
VSTDCCC050EC

Tot Ion:105 Resp: 1624292

Ion Ratio Lower Upper

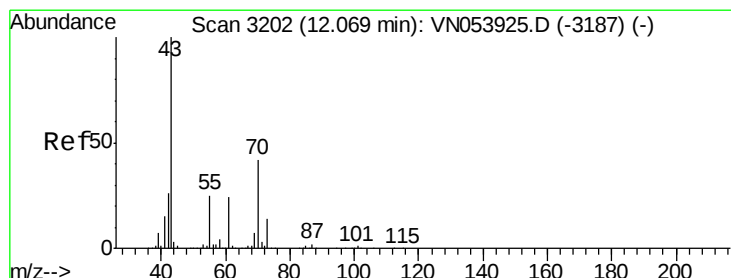
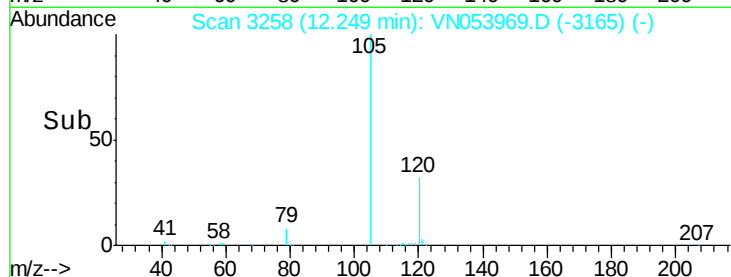
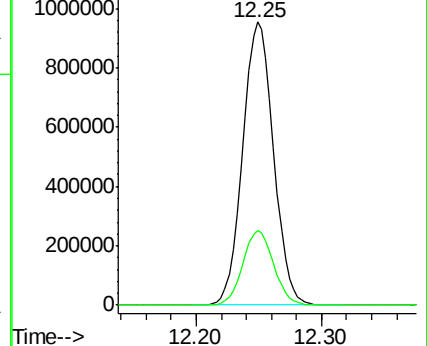
105 100

120 26.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.631 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Tgt Ion: 43 Resp: 470649

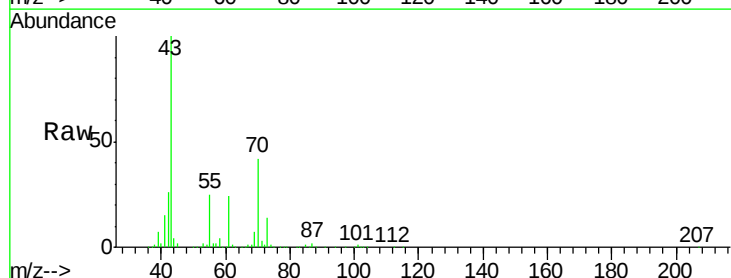
Ion Ratio Lower Upper

43 100

70 41.6 37.4 56.2

55 25.5 21.4 32.0

61 24.4 20.9 31.3

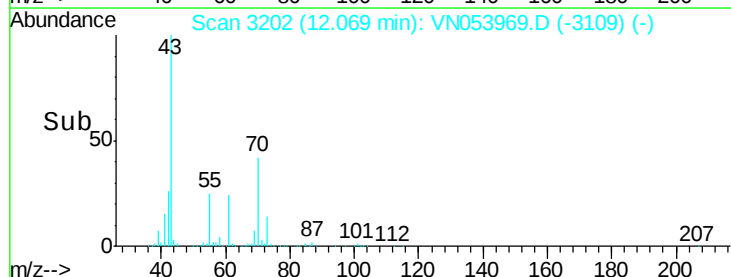
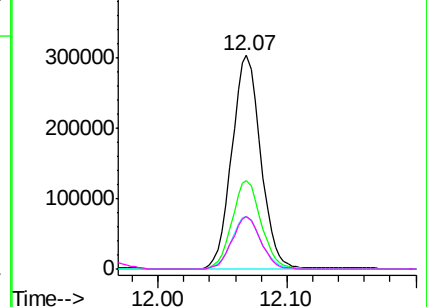


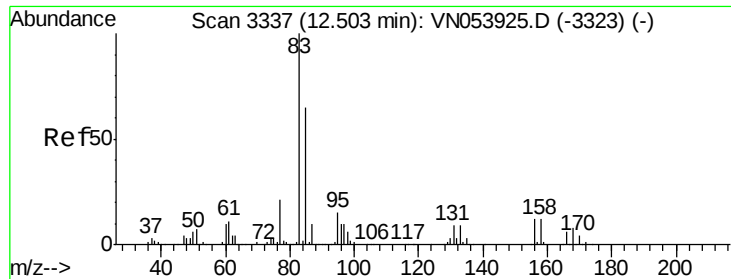
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.279 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

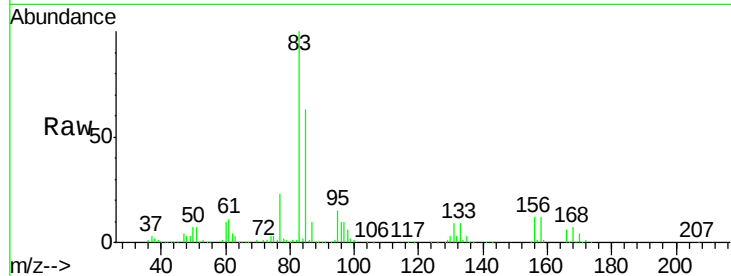
Tot Ion: 83 Resp: 395857

Ion Ratio Lower Upper

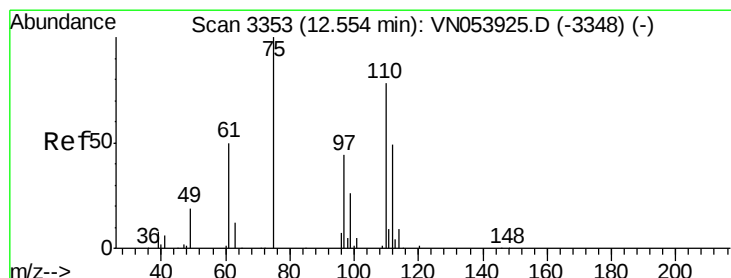
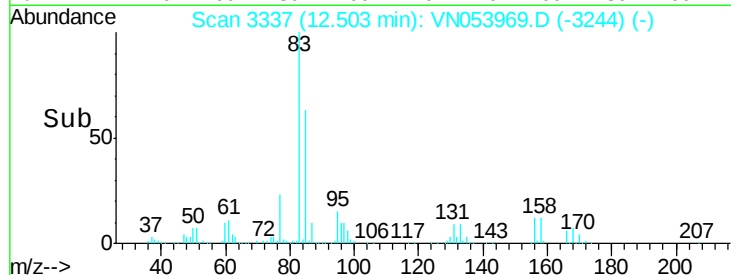
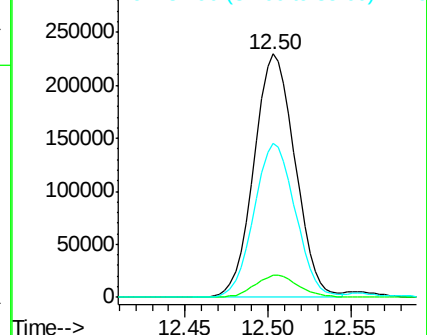
83 100

131 9.7 5.3 16.1

85 63.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 71.705 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053969.D

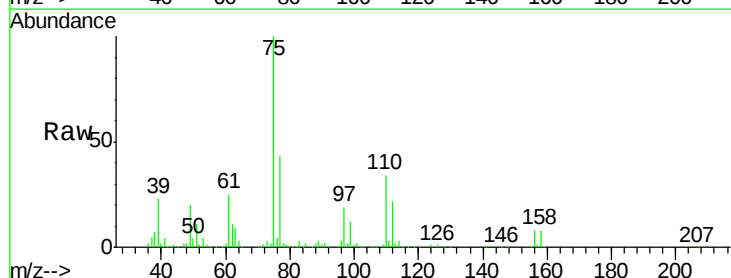
Acq: 26 Feb 2019 21:32

Tgt Ion: 75 Resp: 494764

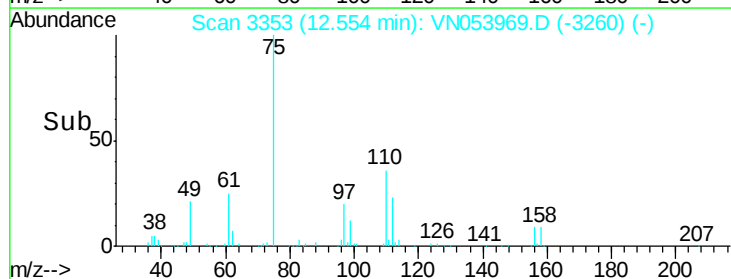
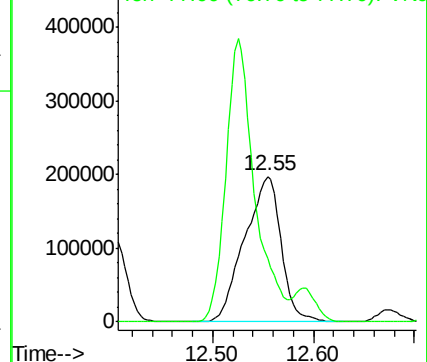
Ion Ratio Lower Upper

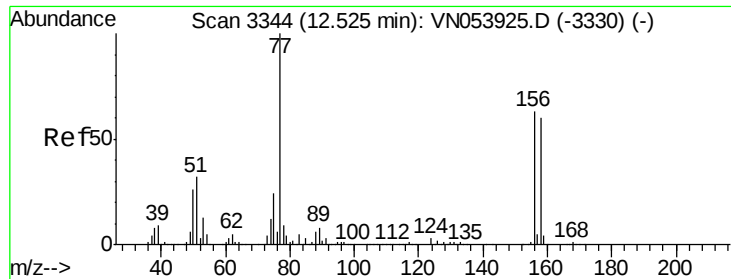
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

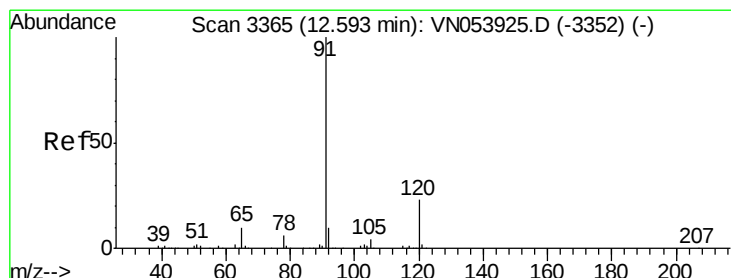
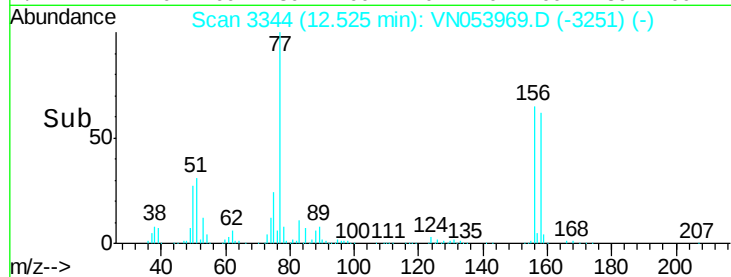
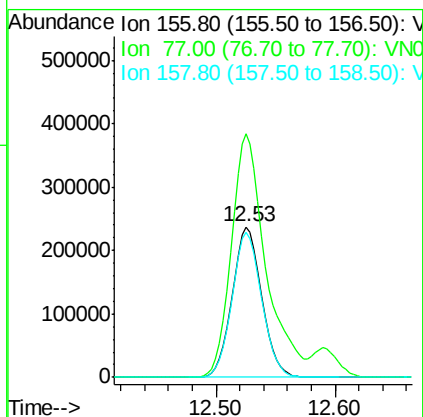
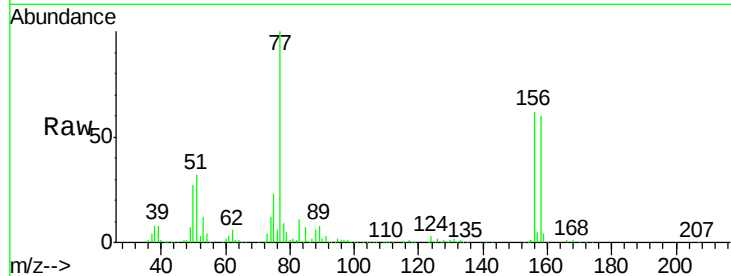




#77
Bromobenzene
Concen: 47.842 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

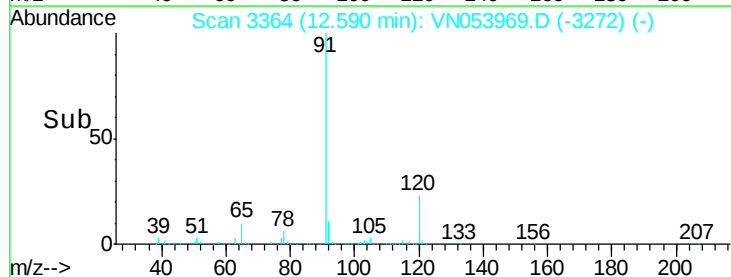
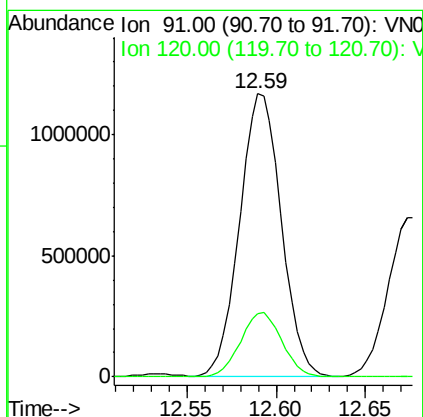
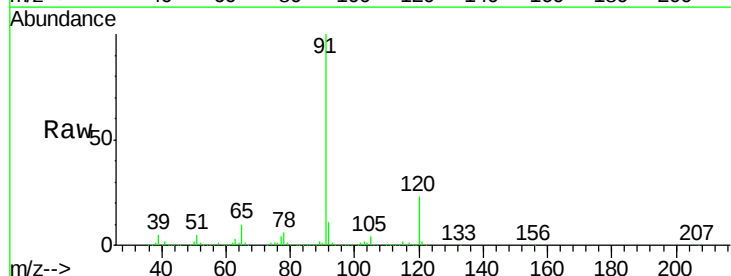
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

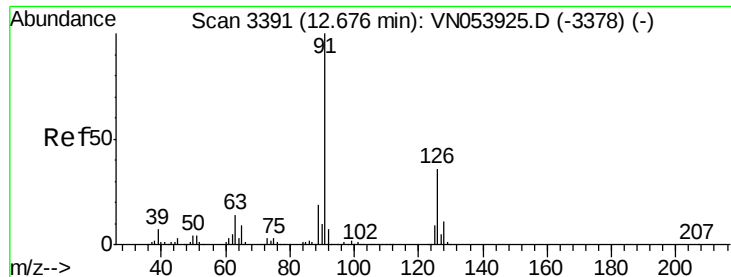
Tot Ion:156 Resp: 406705
Ion Ratio Lower Upper
156 100
77 189.6 84.0 252.2
158 97.0 48.5 145.6



#78
n-propylbenzene
Concen: 49.720 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 91 Resp: 1893269
Ion Ratio Lower Upper
91 100
120 22.8 11.9 35.9





#79

2-Chlorotoluene

Concen: 49.027 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

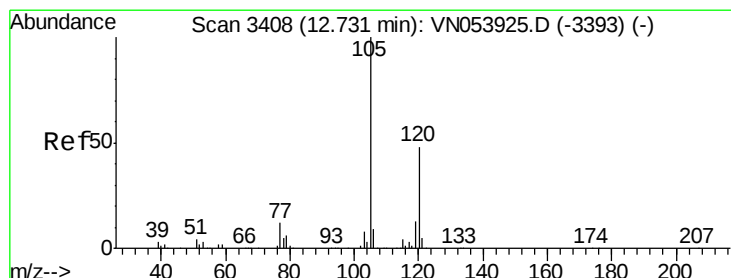
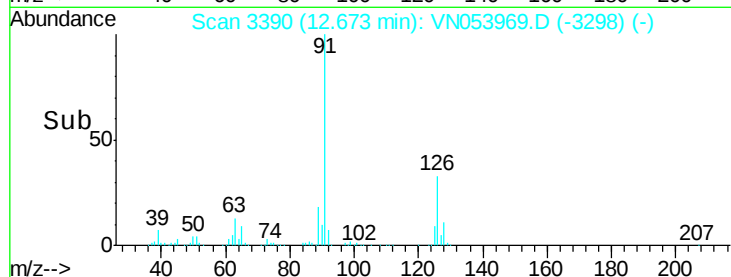
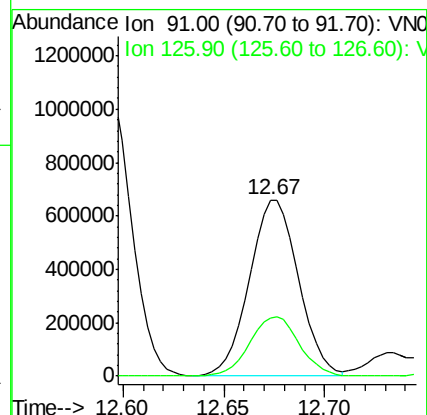
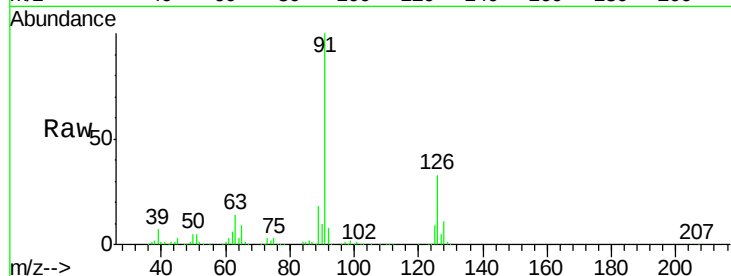
VSTDCCC050EC

Tot Ion: 91 Resp: 1121461

Ion Ratio Lower Upper

91 100

126 34.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 50.070 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053969.D

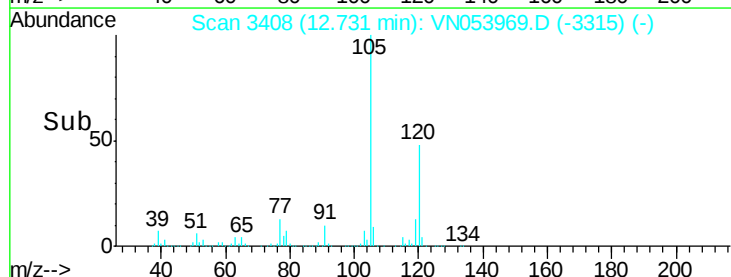
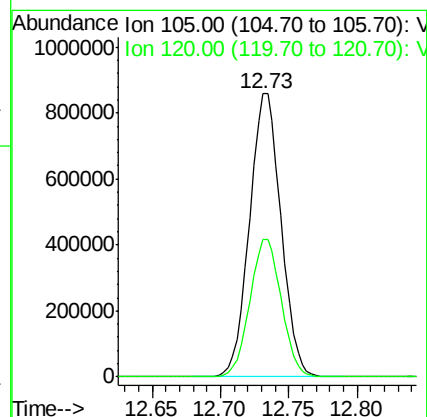
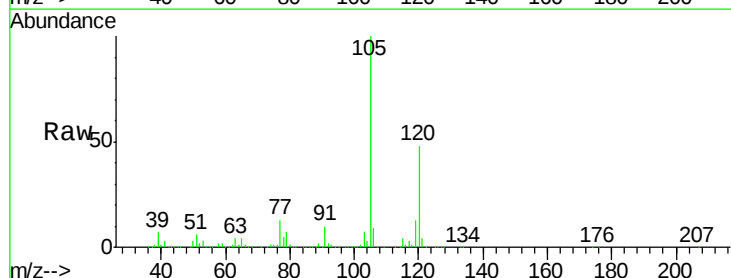
Acq: 26 Feb 2019 21:32

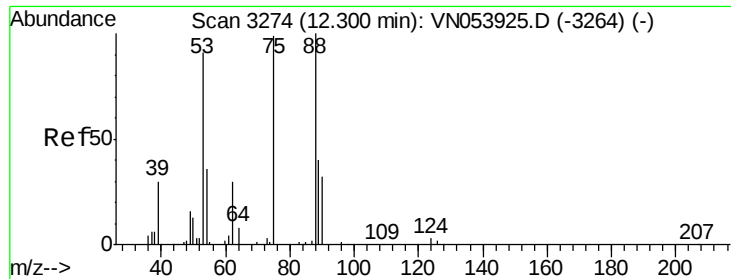
Tgt Ion:105 Resp: 1372457

Ion Ratio Lower Upper

105 100

120 48.5 25.1 75.2

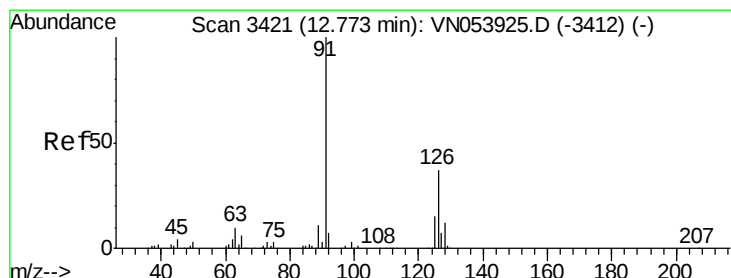
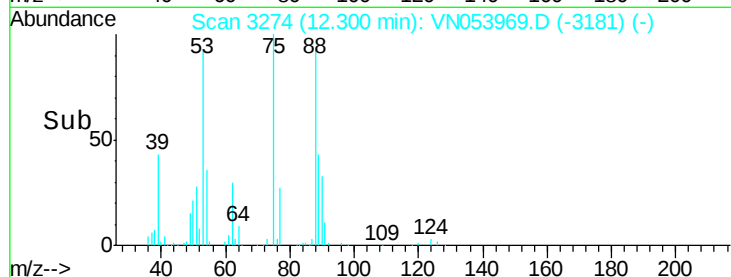
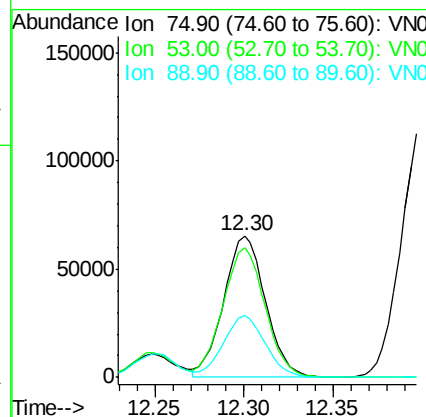
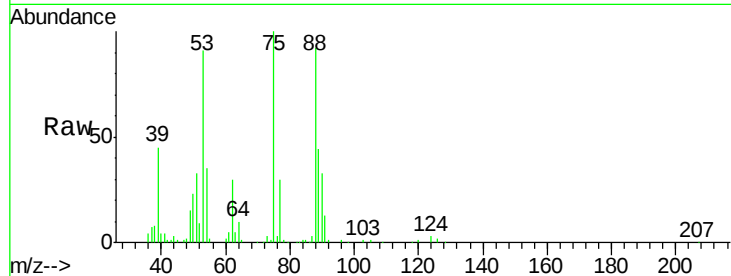




#81
trans-1,4-Dichloro-2-butene
Concen: 48.468 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

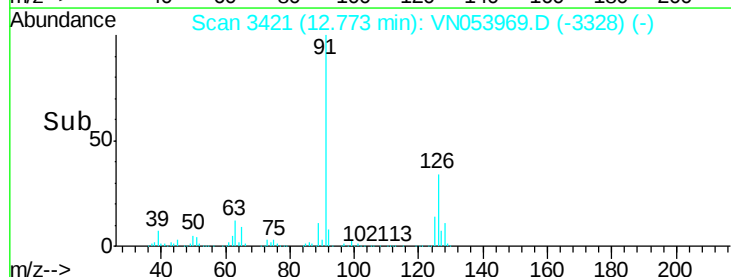
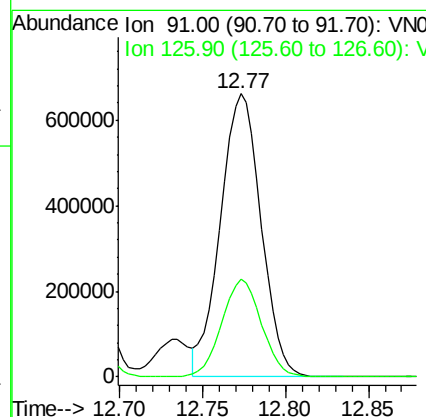
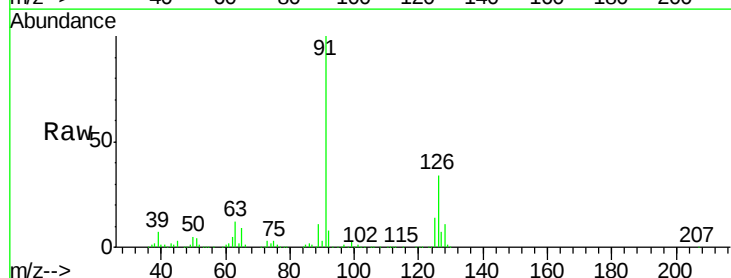
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

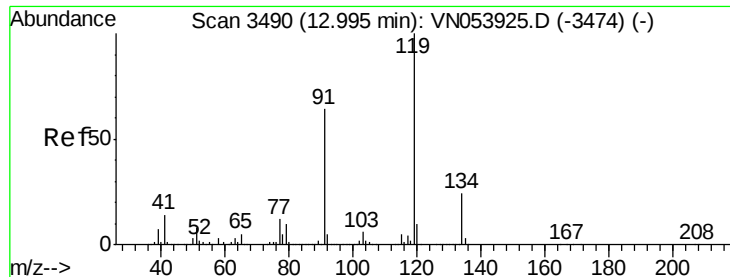
Tot Ion: 75 Resp: 105811
Ion Ratio Lower Upper
75 100
53 94.2 68.6 102.8
89 44.2 35.3 52.9



#82
4-Chlorotoluene
Concen: 49.799 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 91 Resp: 1125844
Ion Ratio Lower Upper
91 100
126 33.8 18.0 54.0

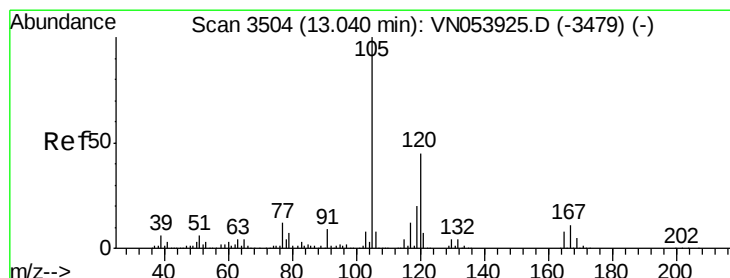
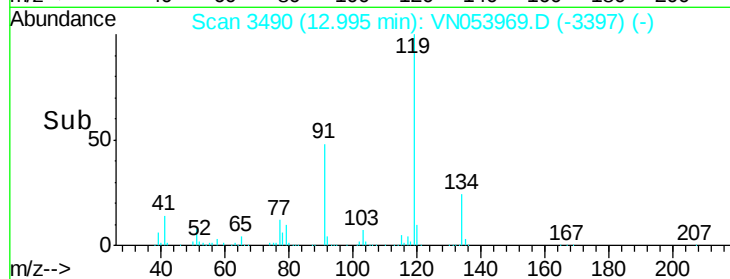
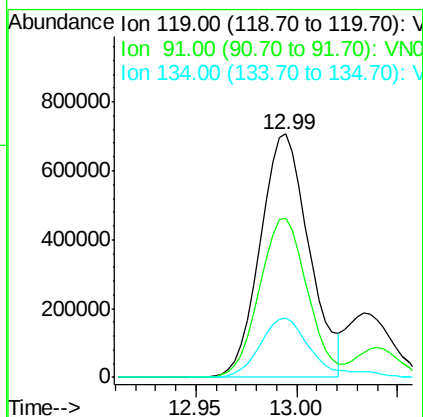
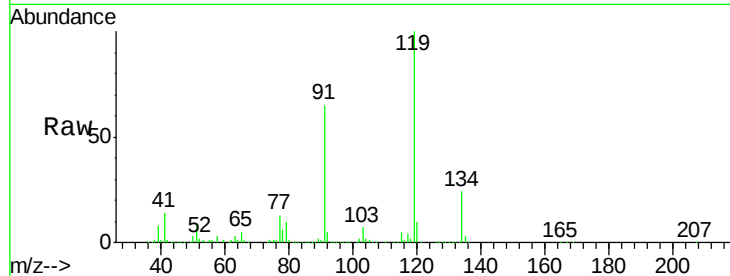




#83
 tert-Butylbenzene
 Concen: 49.207 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

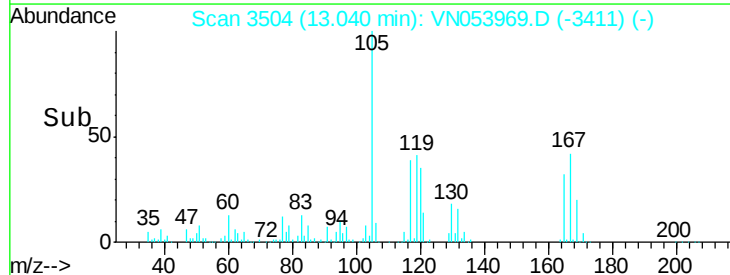
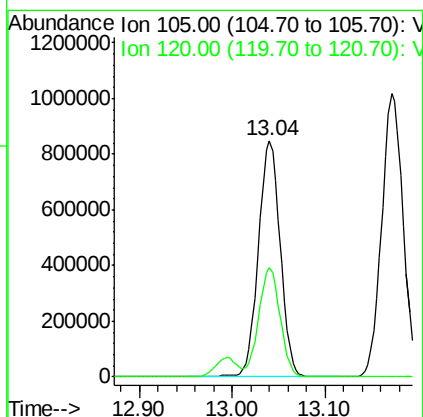
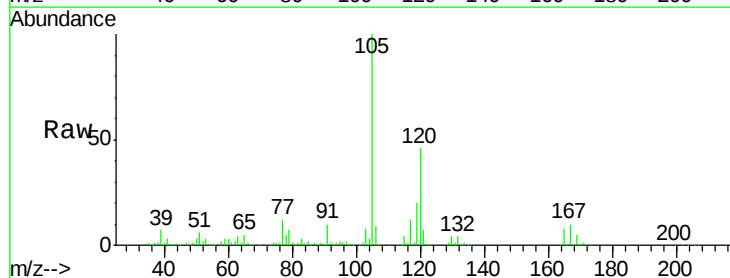
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

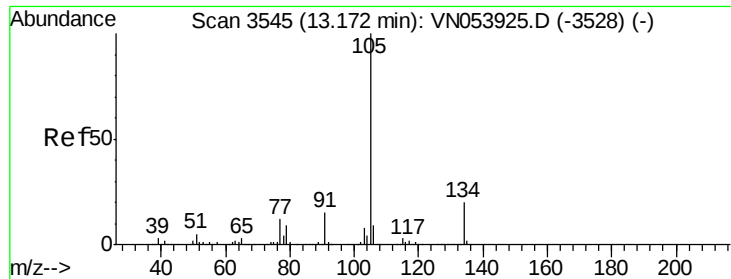
Tot Ion:119 Resp: 1192948
 Ion Ratio Lower Upper
 119 100
 91 64.4 30.6 91.8
 134 25.7 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.601 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion:105 Resp: 1384727
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 48.989 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

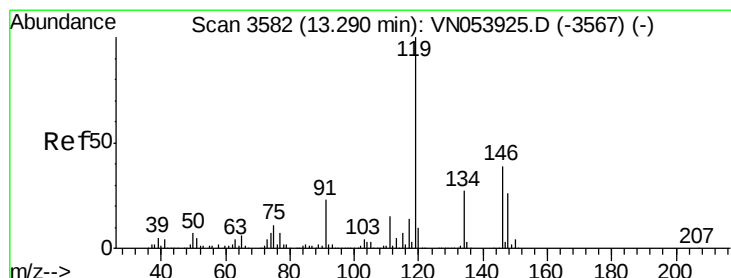
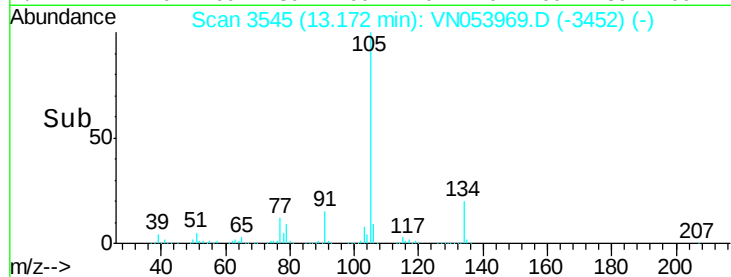
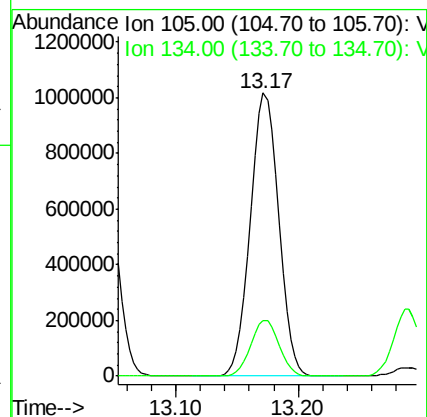
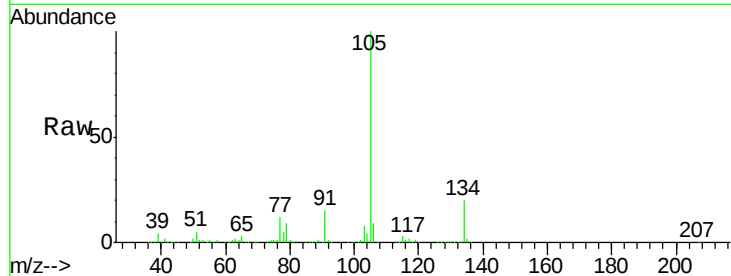
VSTDCCC050EC

Tot Ion:105 Resp: 1622132

Ion Ratio Lower Upper

105 100

134 19.7 10.4 31.1



#86

p-Isopropyltoluene

Concen: 50.320 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

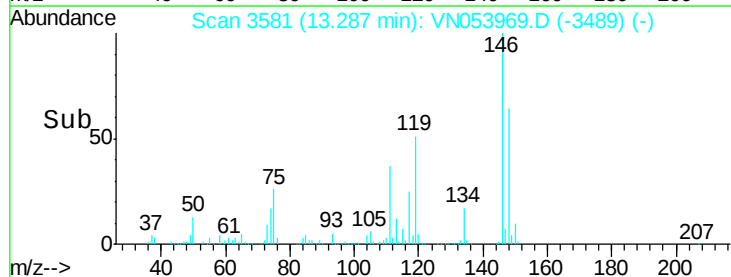
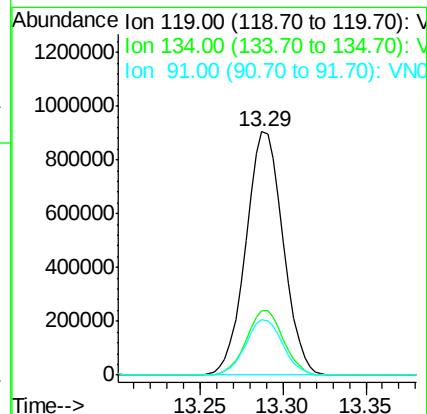
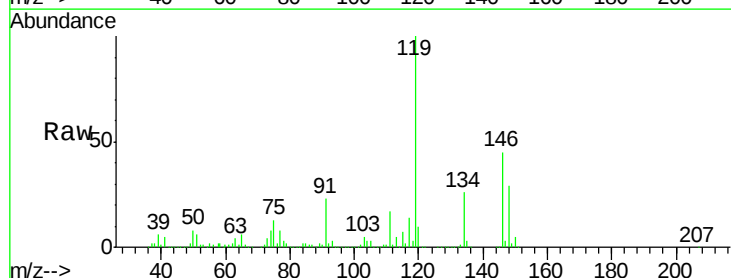
Tgt Ion:119 Resp: 1408568

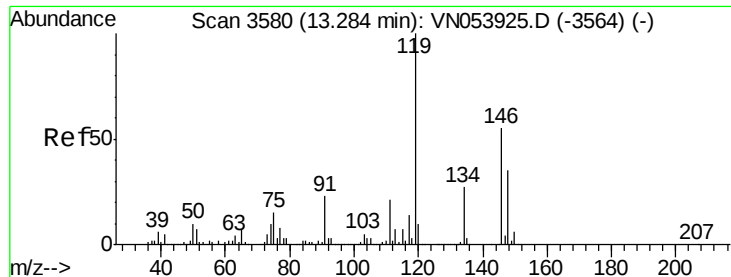
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.8 10.9 32.6

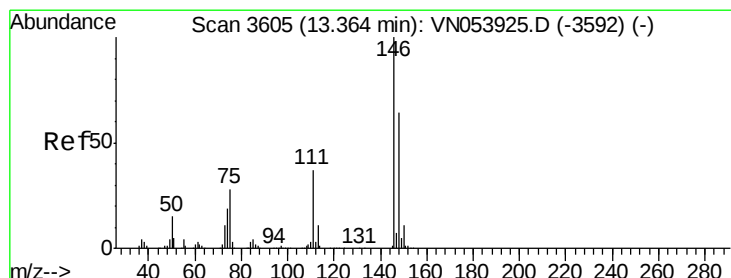
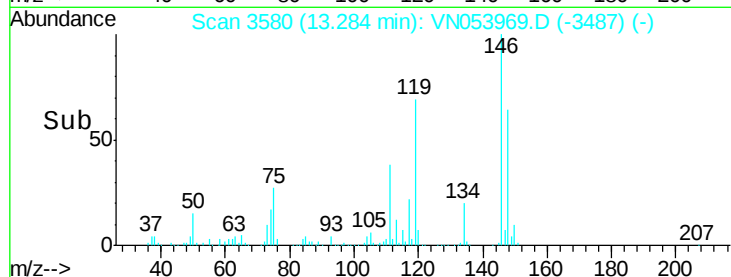
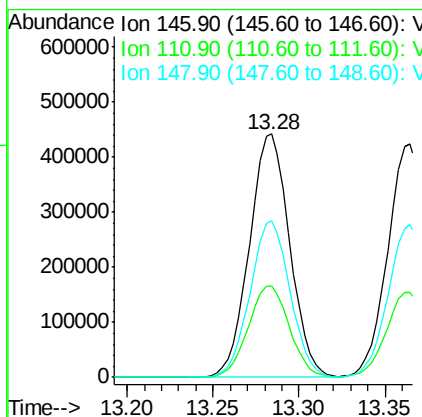
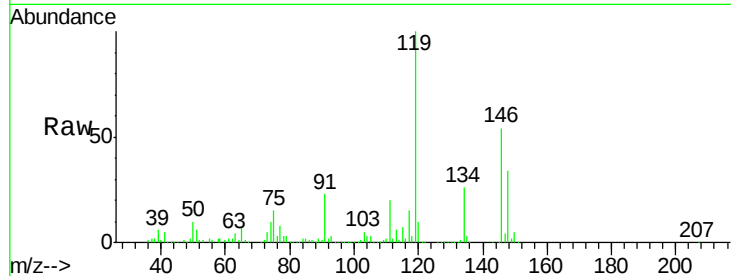




#87
 1,3-Dichlorobenzene
 Concen: 48.782 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

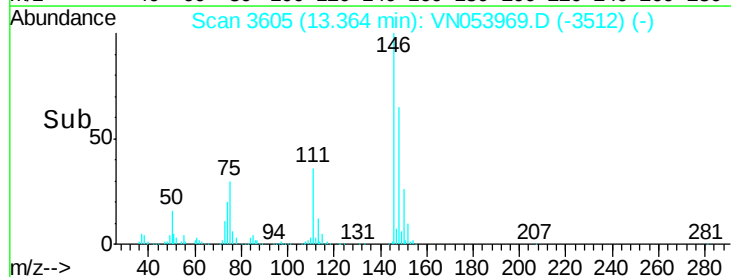
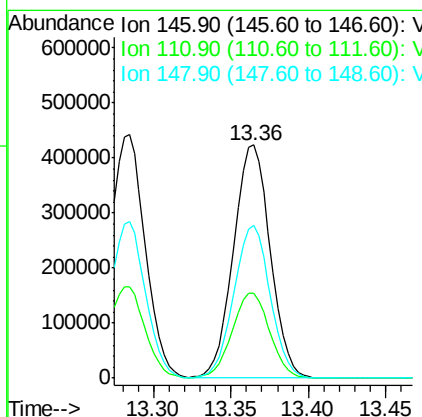
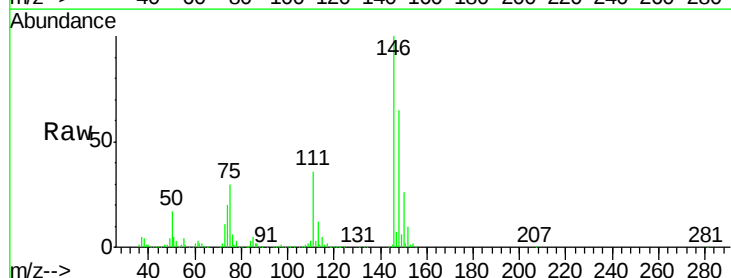
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

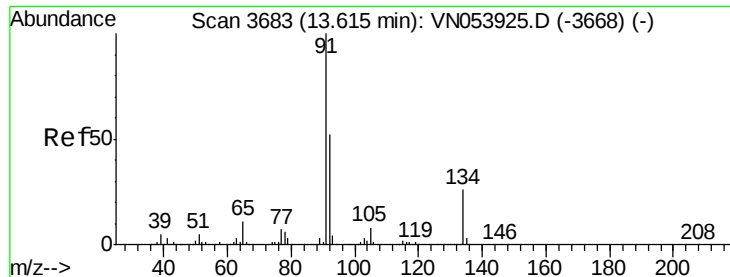
Tot Ion:146 Resp: 717373
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.7 56.1
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 48.933 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053969.D
 Acq: 26 Feb 2019 21:32

Tgt Ion:146 Resp: 698140
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.0 54.0
 148 64.7 32.1 96.5

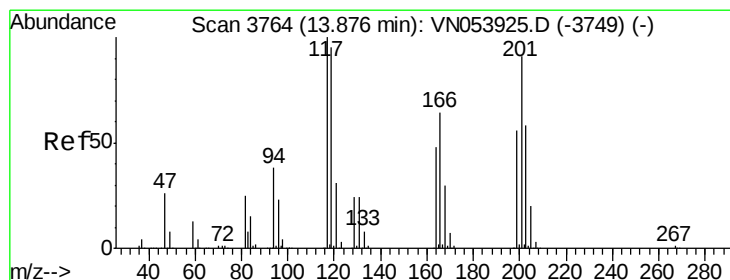
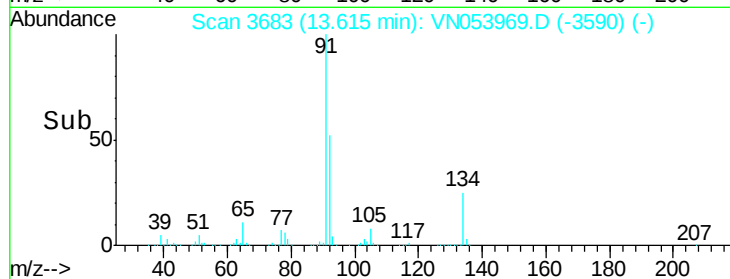
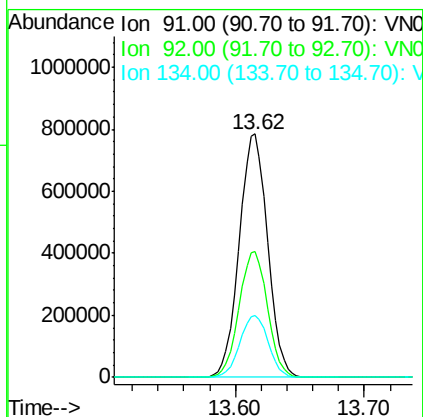
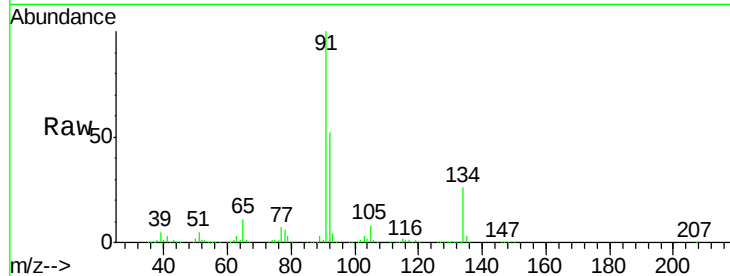




#89
n-Butylbenzene
Concen: 50.824 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

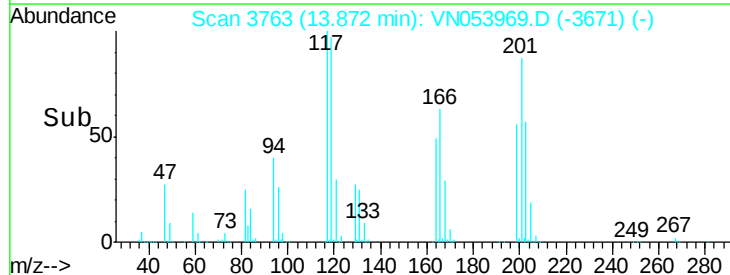
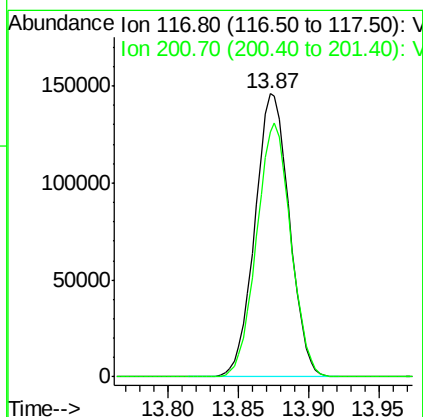
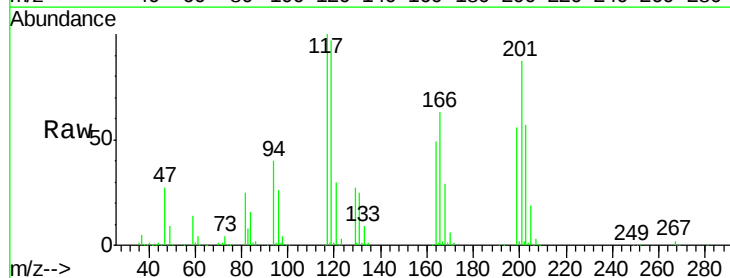
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

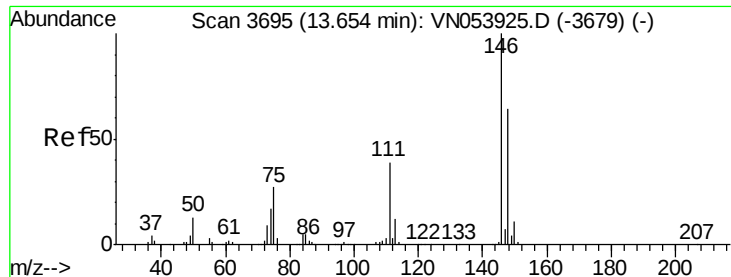
Tot Ion: 91 Resp: 1198990
Ion Ratio Lower Upper
91 100
92 51.9 26.1 78.2
134 25.5 13.6 40.8



#90
Hexachloroethane
Concen: 46.033 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053969.D
Acq: 26 Feb 2019 21:32

Tgt Ion: 117 Resp: 249701
Ion Ratio Lower Upper
117 100
201 88.6 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 49.199 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

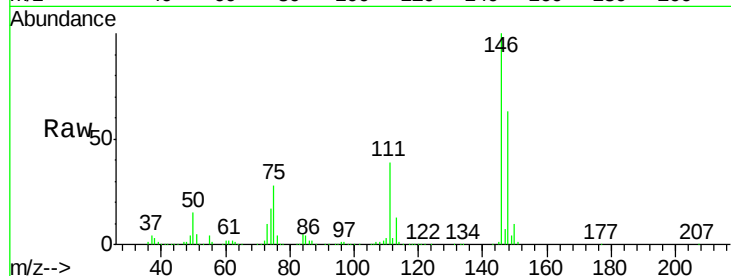
Tot Ion:146 Resp: 700373

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.5

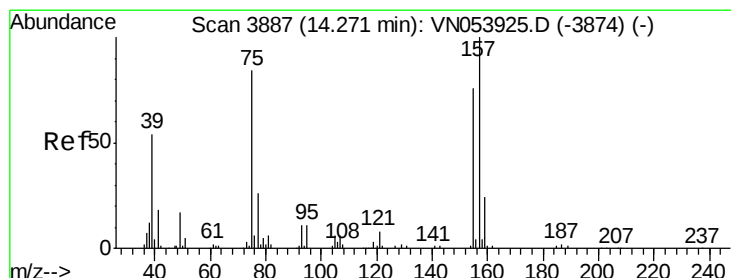
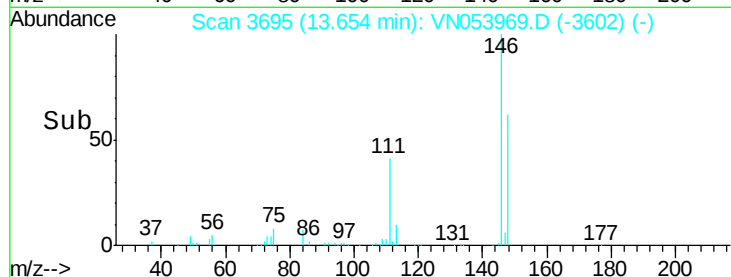
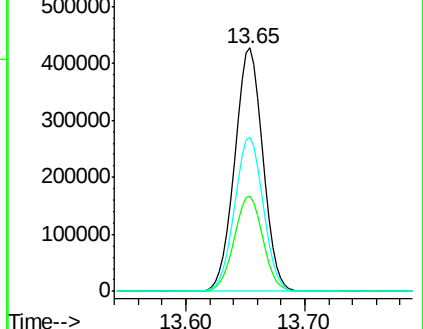
148 64.2 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.411 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

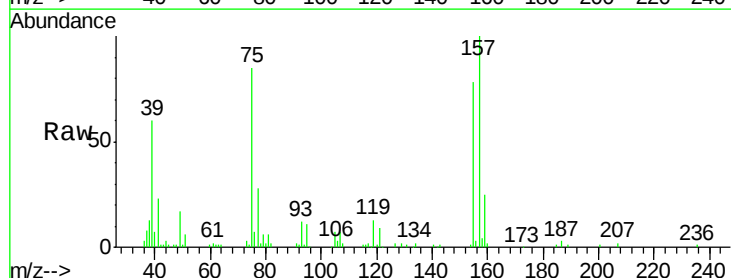
Tgt Ion: 75 Resp: 57281

Ion Ratio Lower Upper

75 100

155 92.1 49.5 148.5

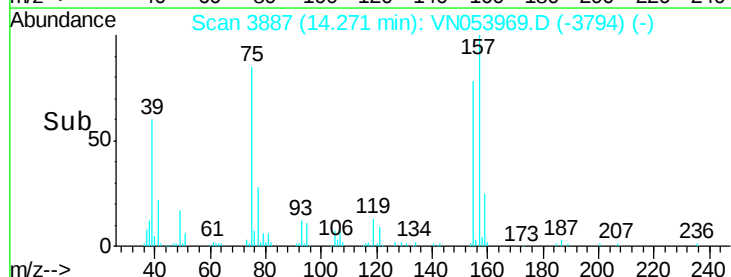
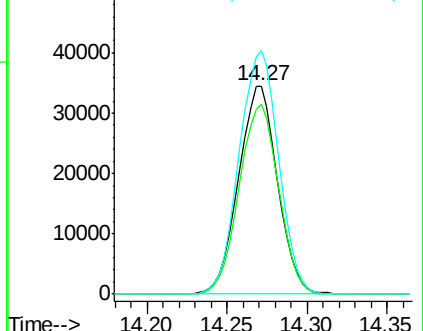
157 118.8 64.8 194.6

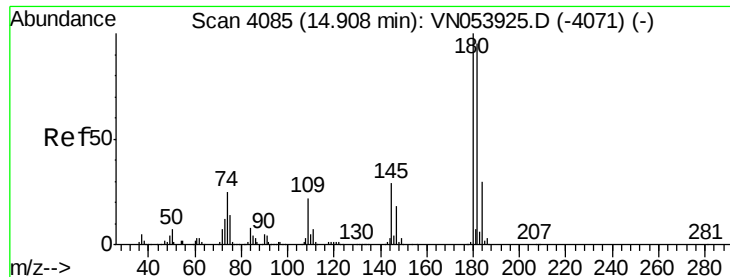


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 46.689 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

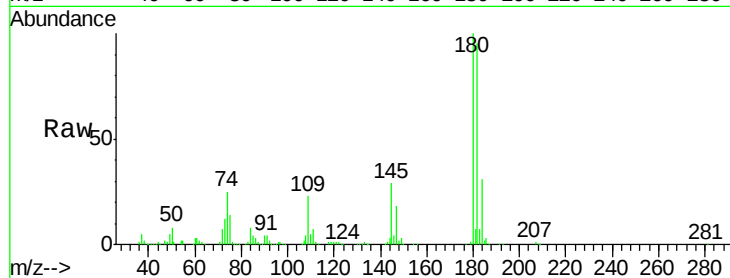
Tot Ion:180 Resp: 367904

Ion Ratio Lower Upper

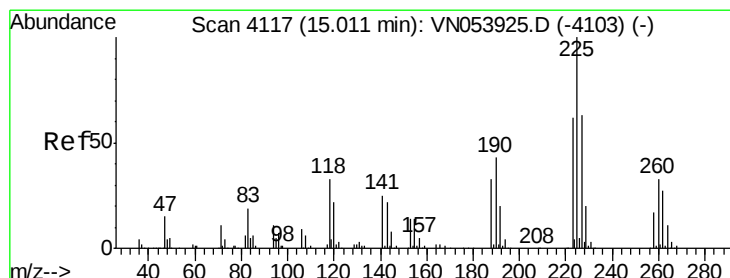
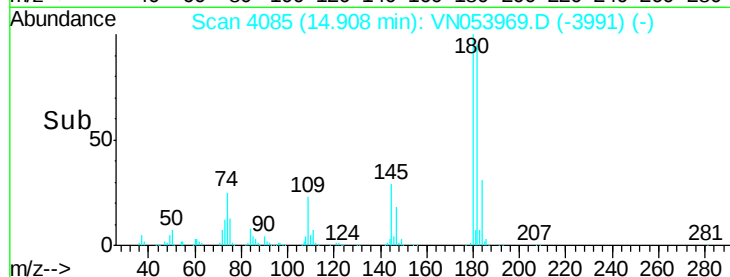
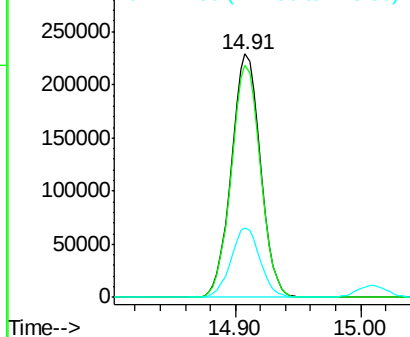
180 100

182 96.0 48.6 145.9

145 28.6 13.8 41.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 46.084 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

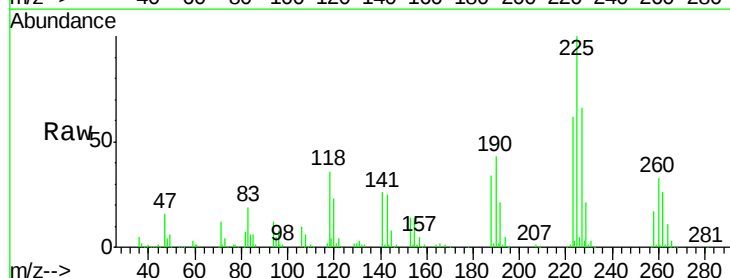
Tgt Ion:225 Resp: 236976

Ion Ratio Lower Upper

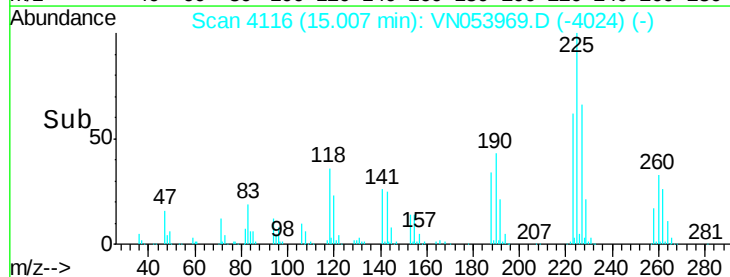
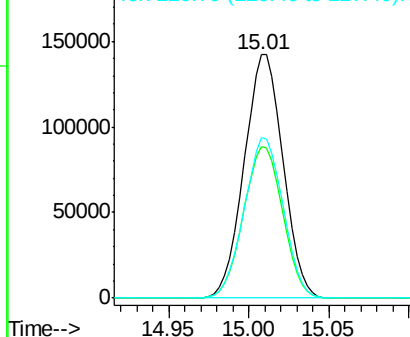
225 100

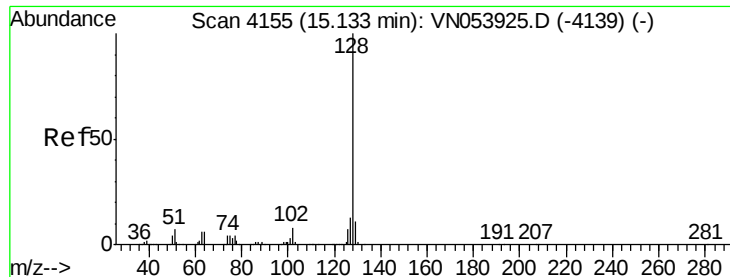
223 62.7 30.9 92.5

227 65.7 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 45.082 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

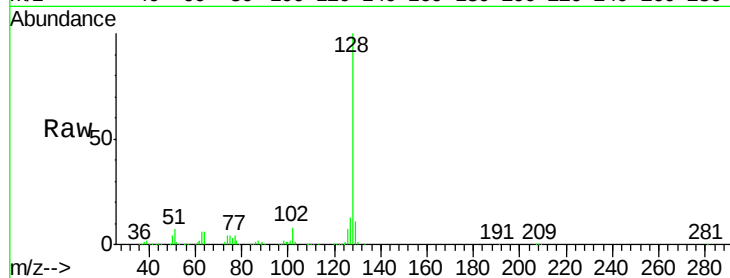
Tot Ion:128 Resp: 762029

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

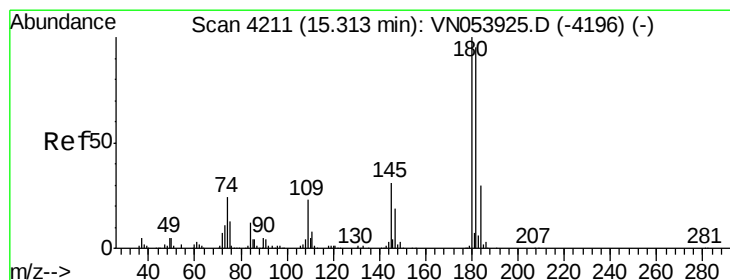
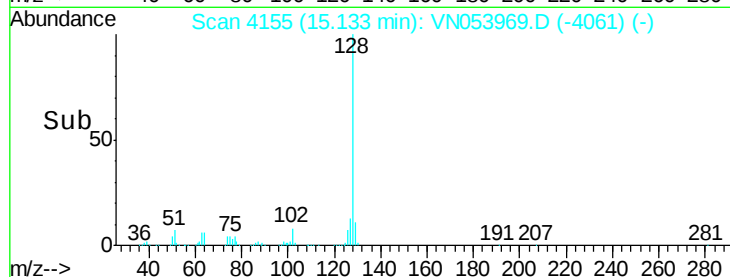
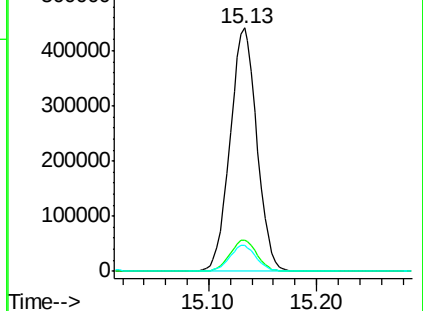
129 10.6 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 47.323 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053969.D

Acq: 26 Feb 2019 21:32

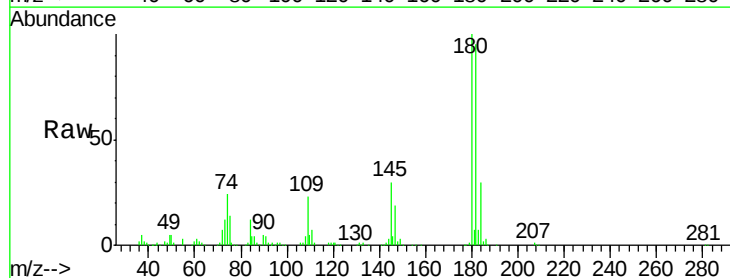
Tgt Ion:180 Resp: 358218

Ion Ratio Lower Upper

180 100

182 95.4 47.3 141.8

145 30.2 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

