

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072718\
 Data File : VN050124.D
 Acq On : 27 Jul 2018 11:08
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 27 11:26:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	153670	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	872653	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	752444	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	314986	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	12.40	95	346183	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	10.09	98	1051791	29.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	224994	21.246 ug/l	96
3) Chloromethane	2.06	50	193340	17.708 ug/l	100
4) Vinyl Chloride	2.18	62	225924	19.436 ug/l	98
5) Bromomethane	2.56	94	78974	11.145 ug/l	98
6) Chloroethane	2.70	64	132339	19.250 ug/l	99
7) Trichlorofluoromethane	3.01	101	310354	20.432 ug/l	100
8) Diethyl Ether	3.41	74	105494	20.705 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	190249	20.589 ug/l	99
10) 1,1-Dichloroethene	3.73	96	169321	20.666 ug/l	96
11) Methyl Iodide	3.95	142	71899	5.964 ug/l	95
12) Methyl Acetate	4.33	43	198221	21.120 ug/l	98
13) Acrolein	3.61	56	30366	52.353 ug/l	95
14) Acrylonitrile	4.99	53	306355	97.822 ug/l	98
15) Acetone	3.82	58	89745	107.828 ug/l	97
16) Carbon Disulfide	4.05	76	483370	19.278 ug/l	100
17) Allyl chloride	4.32	41	259054	20.021 ug/l	100
18) Methylene Chloride	4.55	84	186818	19.760 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	178446	20.343 ug/l	95
20) Diisopropyl ether	5.96	45	547665	20.643 ug/l	99
21) 1,1-Dichloroethane	5.85	63	331907	19.896 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	203515	20.921 ug/l	100
23) tert-Butyl Alcohol	4.80	59	75339	107.660 ug/l	# 100
25) Chloroform	7.37	83	336306	19.914 ug/l	98
26) Cyclohexane	7.65	56	280844	21.185 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	253234	18.699 ug/l	100
30) 2-Butanone	6.84	43	389490	91.650 ug/l	98
31) 2,2-Dichloropropane	6.83	77	288022	19.240 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	295179	18.517 ug/l	99
33) Carbon Tetrachloride	7.77	117	260159	18.309 ug/l	99
34) Benzene	8.04	78	757677	18.422 ug/l	99
35) Methacrylonitrile	7.18	41	87204	18.022 ug/l	98
36) 1,2-Dichloroethane	8.13	62	246927	18.285 ug/l	100
37) Trichloroethene	8.84	130	208051	19.287 ug/l	96
38) Methylcyclohexane	9.08	83	282204	19.766 ug/l	97
39) 1,2-Dichloropropane	9.12	63	198530	18.323 ug/l	98
40) Dibromomethane	9.21	93	122138	18.239 ug/l	99
41) Bromodichloromethane	9.40	83	255923	18.118 ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	1841769	92.097	ug/l	99
43) Ethyl Acetate	6.93	43	163776	18.455	ug/l	93
44) Isopropyl Acetate	8.17	43	328871	20.006	ug/l	94
45) 1,4-Dioxane	9.20	88	41855	386.917	ug/l	99
46) Methyl methacrylate	9.20	41	143343	17.987	ug/l	98
47) n-amyl Acetate	12.07	43	232060	18.141	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	260804	19.371	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	295715	18.693	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	176764	18.390	ug/l	99
51) Ethyl methacrylate	10.43	69	222938	19.109	ug/l	98
52) 1,3-Dichloropropane	10.71	76	293213	18.576	ug/l	99
53) Dibromochloromethane	10.90	129	197630	18.117	ug/l	99
54) 1,2-Dibromoethane	11.01	107	175733	18.668	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	469619	88.941	ug/l	99
56) Bromoform	12.13	173	134392	17.448	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	835204	95.393	ug/l	99
59) 2-Hexanone	10.75	43	573434	96.002	ug/l	99
61) Tetrachloroethene	10.63	164	191610	18.800	ug/l	97
62) Toluene	10.16	91	832071	19.382	ug/l	100
64) Chlorobenzene	11.44	112	508369	19.528	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	196499	19.352	ug/l	99
66) Ethyl Benzene	11.51	91	878373	20.021	ug/l	99
67) m/p-Xylenes	11.62	106	674423	39.946	ug/l	100
68) o-Xylene	11.95	106	326395	20.319	ug/l	99
69) Styrene	11.97	104	505124	19.615	ug/l	99
70) Isopropylbenzene	12.25	105	879732	20.563	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	218541	18.605	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	262239	26.139	ug/l	53
73) Bromobenzene	12.53	156	219918	19.297	ug/l	99
74) n-propylbenzene	12.59	91	993135	19.932	ug/l	99
75) 2-Chlorotoluene	12.68	91	589284	19.691	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	717969	20.432	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	54830	16.717	ug/l	95
78) 4-Chlorotoluene	12.77	91	577951	19.488	ug/l	100
79) tert-butylbenzene	12.99	119	618915	20.602	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	728030	20.449	ug/l	100
81) sec-Butylbenzene	13.17	105	832673	20.403	ug/l	100
82) p-Isopropyltoluene	13.29	119	712327	20.457	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	379080	19.103	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	358020	19.092	ug/l	99
85) n-Butylbenzene	13.62	91	563031	19.923	ug/l	99
86) Hexachloroethane	13.88	117	120422	17.306	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	371525	19.154	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	34150	18.663	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	182090	19.654	ug/l	99
90) Hexachlorobutadiene	15.01	225	124477	20.378	ug/l	99
91) Naphthalene	15.14	128	450843	23.166	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	190445	20.212	ug/l	98

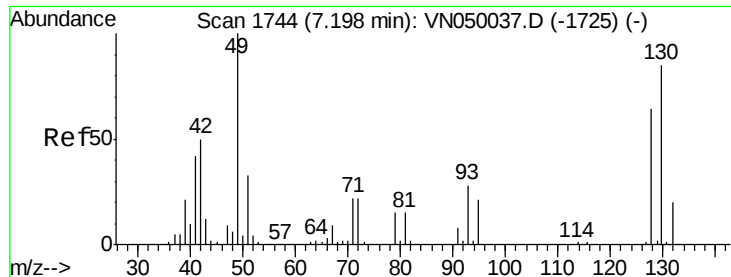
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072718\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

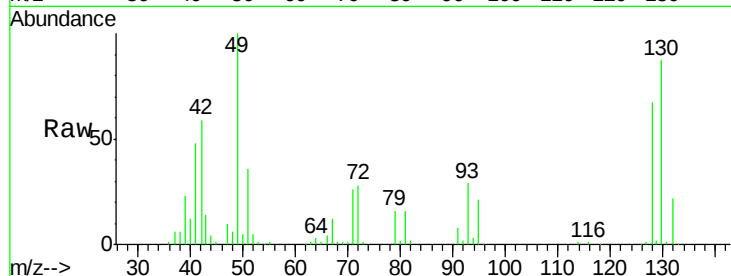
Tgt Ion:128 Resp: 153670

Ion Ratio Lower Upper

128 100

49 150.4 0.0 378.3

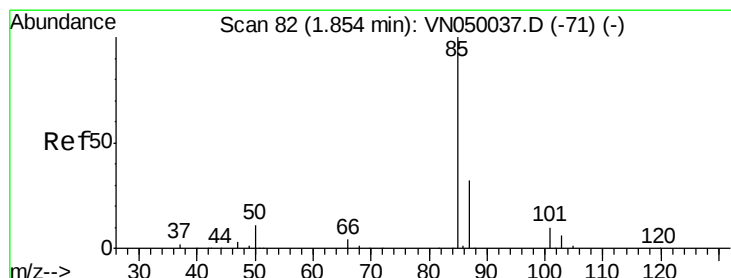
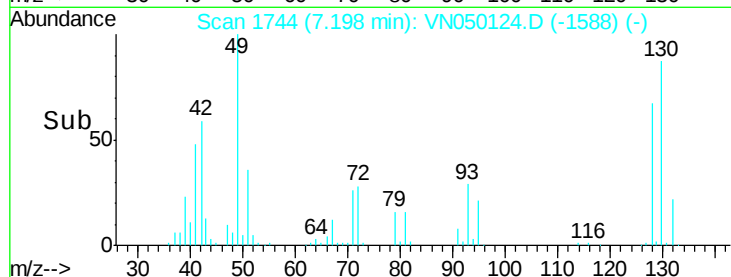
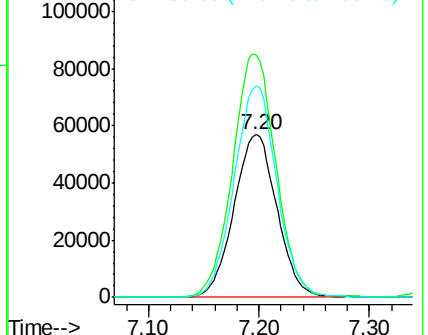
130 130.1 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.246 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050124.D

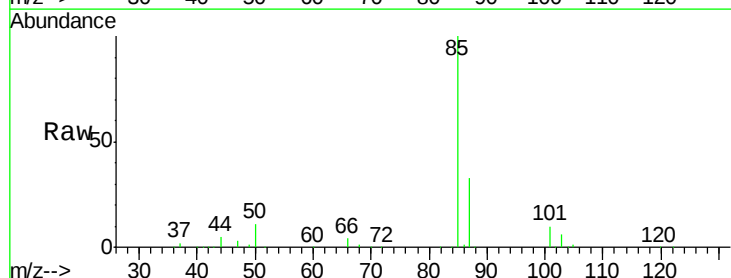
Acq: 27 Jul 2018 11:08

Tgt Ion: 85 Resp: 224994

Ion Ratio Lower Upper

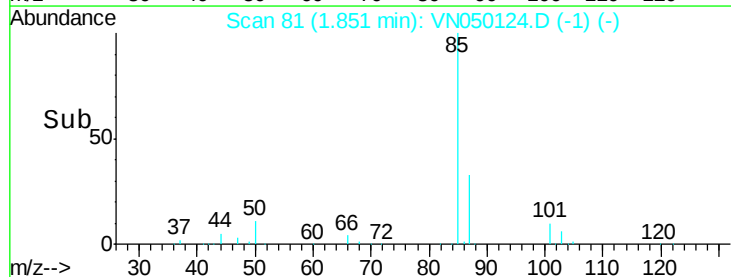
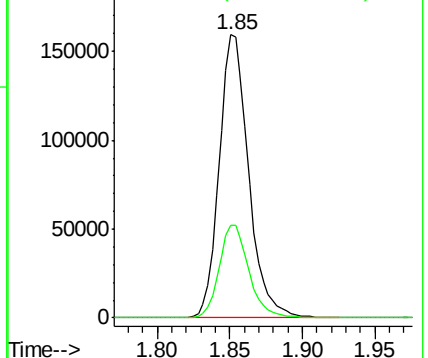
85 100

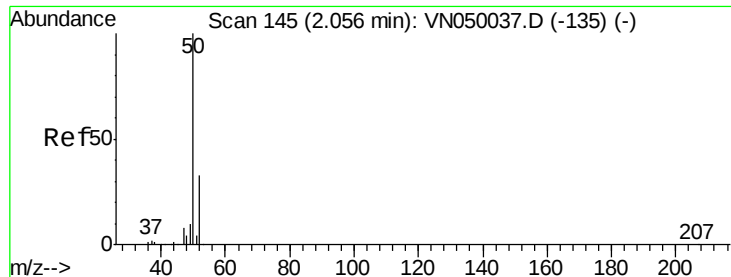
87 32.9 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 17.708 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

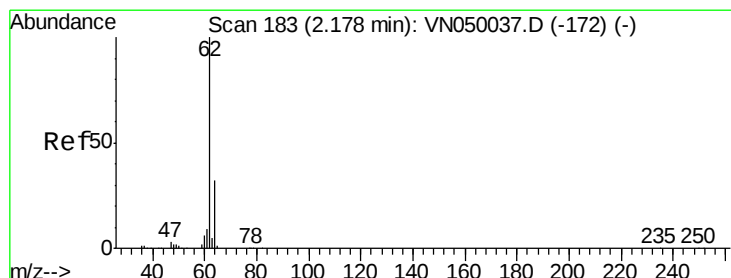
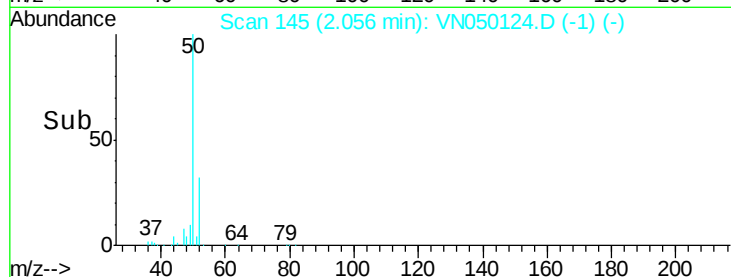
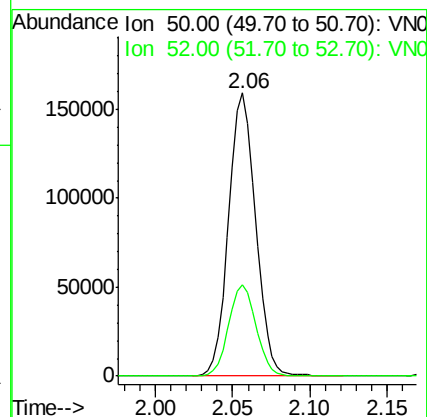
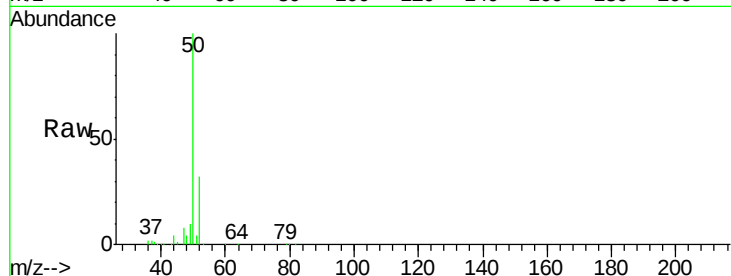
VSTDCCC020

Tgt Ion: 50 Resp: 193340

Ion Ratio Lower Upper

50 100

52 32.4 26.1 39.1



#4

Vinyl Chloride

Concen: 19.436 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050124.D

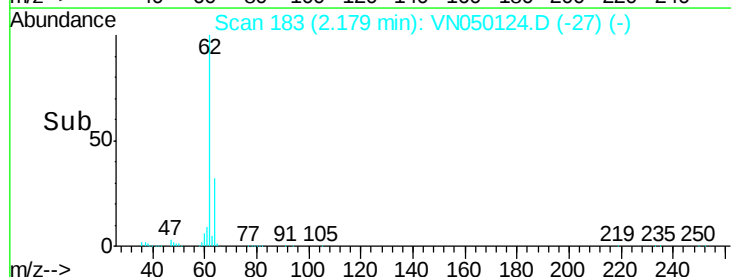
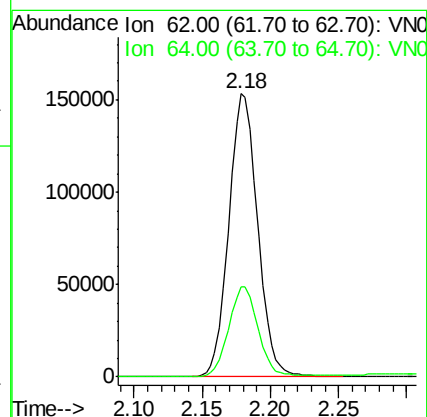
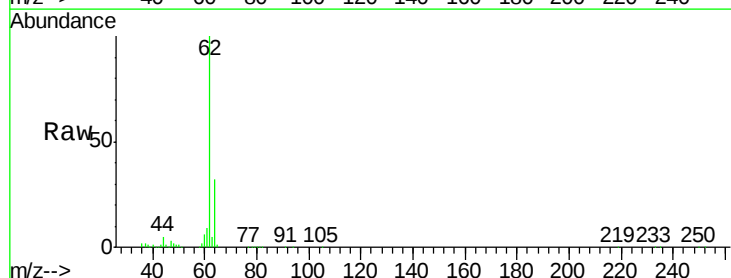
Acq: 27 Jul 2018 11:08

Tgt Ion: 62 Resp: 225924

Ion Ratio Lower Upper

62 100

64 31.5 24.4 36.6





#5

Bromomethane

Concen: 11.145 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

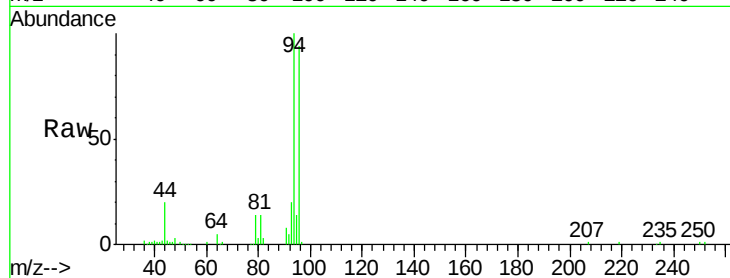
VSTDCCC020

Tgt Ion: 94 Resp: 78974

Ion Ratio Lower Upper

94 100

96 92.9 75.9 113.9

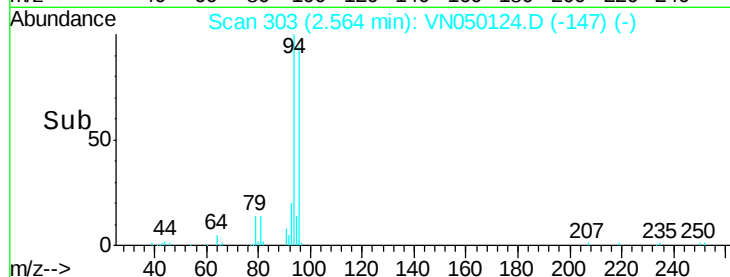


Abundance Ion 94.00 (93.70 to 94.70): VN050124.D (-147) (-)

Ion 96.00 (95.70 to 96.70): VN050124.D (-147) (-)

2.56

Time-->



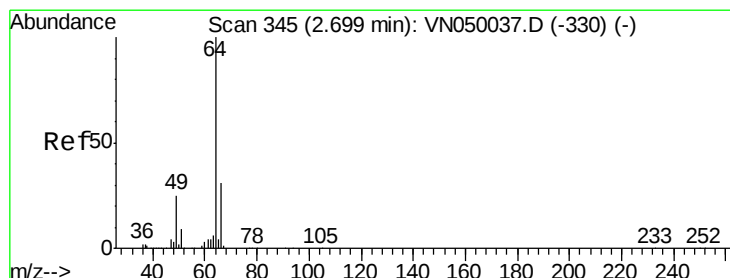
Abundance

Ion 94.00 (93.70 to 94.70): VN050124.D (-147) (-)

Ion 96.00 (95.70 to 96.70): VN050124.D (-147) (-)

2.56

Time-->



#6

Chloroethane

Concen: 19.250 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050124.D

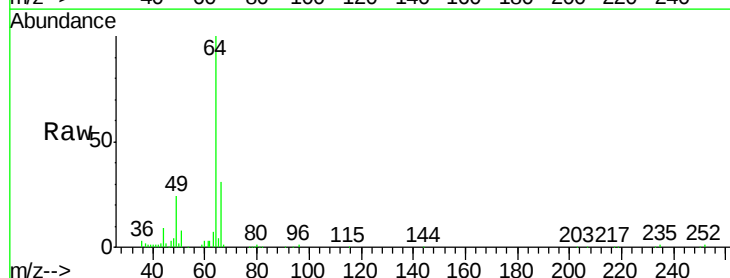
Acq: 27 Jul 2018 11:08

Tgt Ion: 64 Resp: 132339

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4

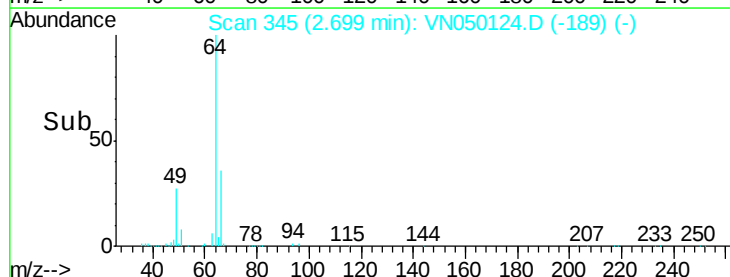


Abundance Ion 64.00 (63.70 to 64.70): VN050124.D (-189) (-)

Ion 66.00 (65.70 to 66.70): VN050124.D (-189) (-)

2.70

Time-->



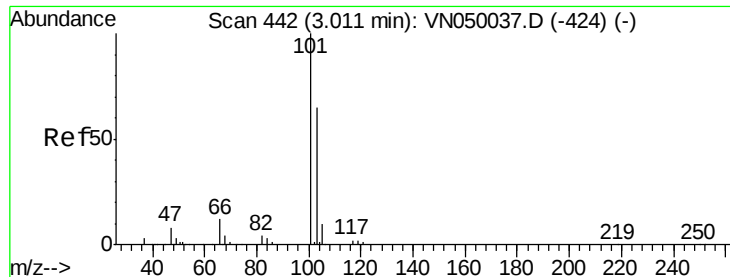
Abundance

Ion 64.00 (63.70 to 64.70): VN050124.D (-189) (-)

Ion 66.00 (65.70 to 66.70): VN050124.D (-189) (-)

2.70

Time-->

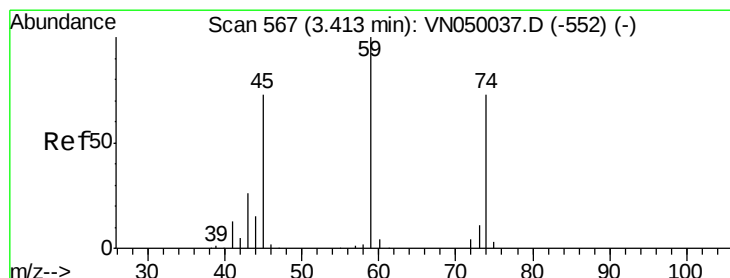
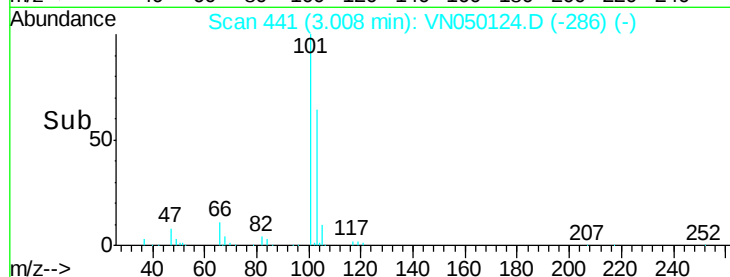
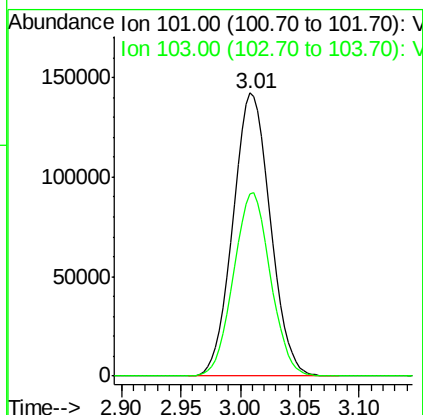
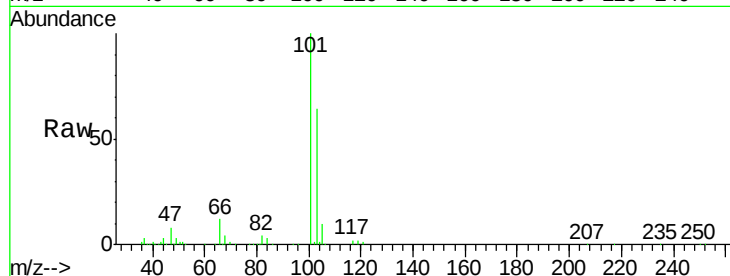


#7

Trichlorofluoromethane
Concen: 20.432 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

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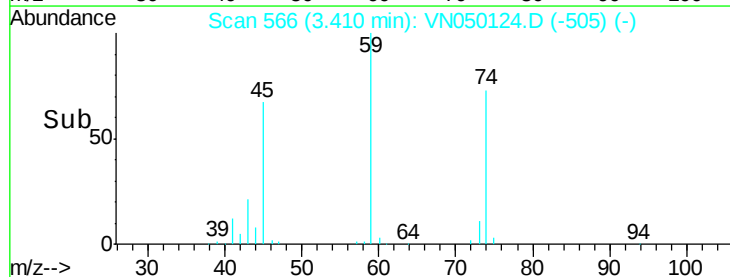
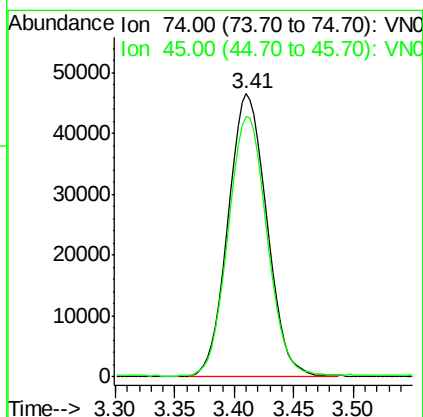
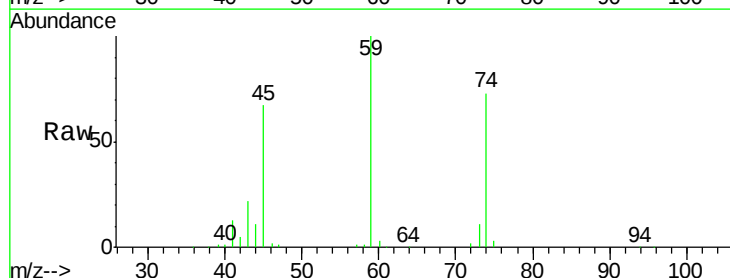
Tgt Ion:101 Resp: 310354
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3

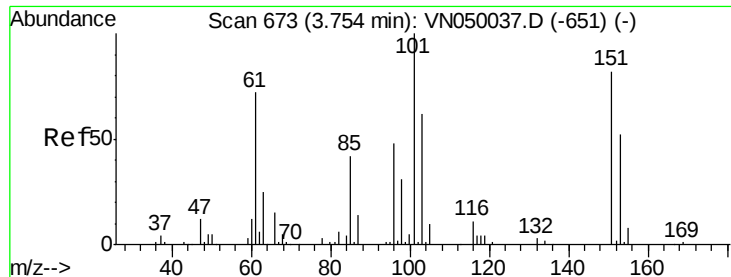


#8

Diethyl Ether
Concen: 20.705 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion: 74 Resp: 105494
Ion Ratio Lower Upper
74 100
45 91.7 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.589 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

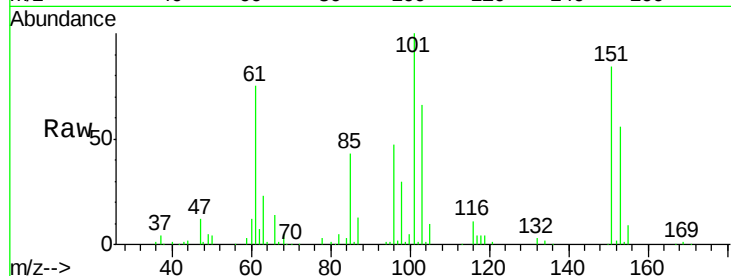
Tgt Ion: 101 Resp: 190249

Ion Ratio Lower Upper

101 100

85 42.2 0.0 83.0

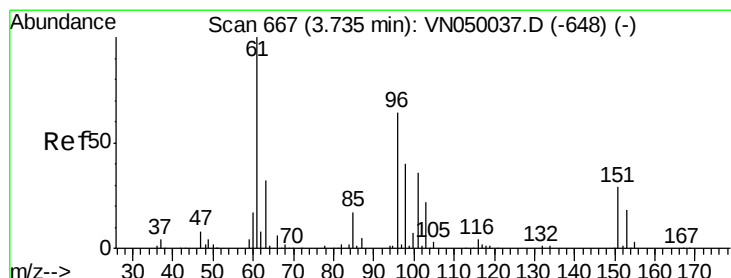
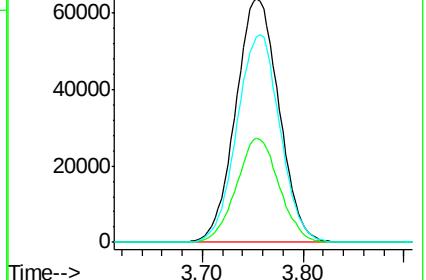
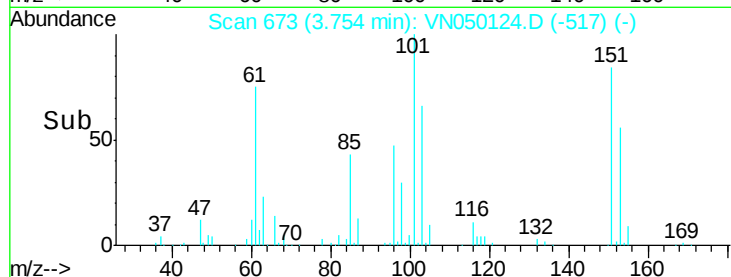
151 84.8 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): VN050037.D (-651) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-651) (-)

Ion 151.00 (150.70 to 151.70): VN050037.D (-651) (-)



#10

1,1-Dichloroethene

Concen: 20.666 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

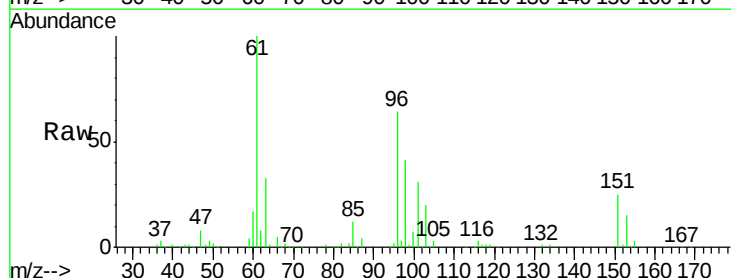
Tgt Ion: 96 Resp: 169321

Ion Ratio Lower Upper

96 100

61 157.1 130.6 195.8

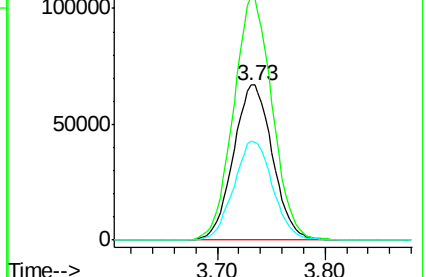
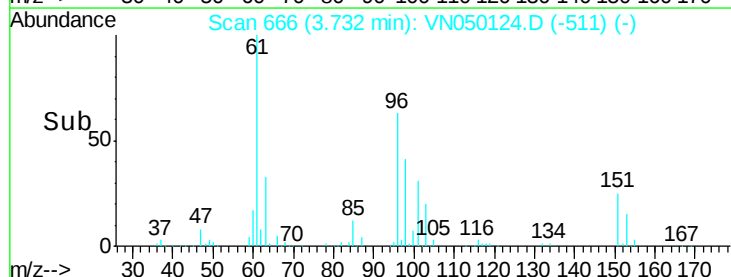
98 63.8 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-648) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-648) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-648) (-)

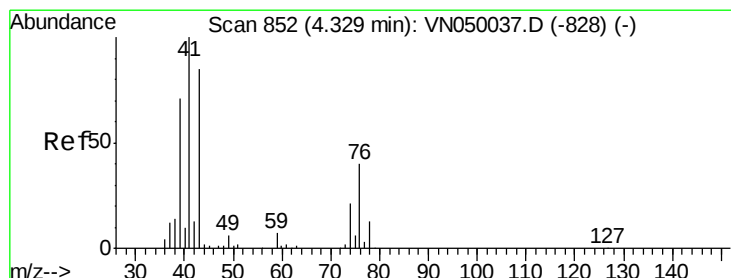
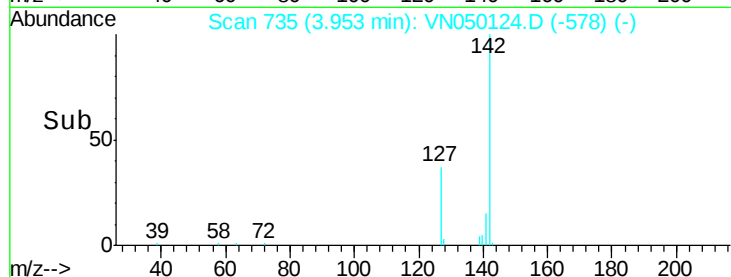
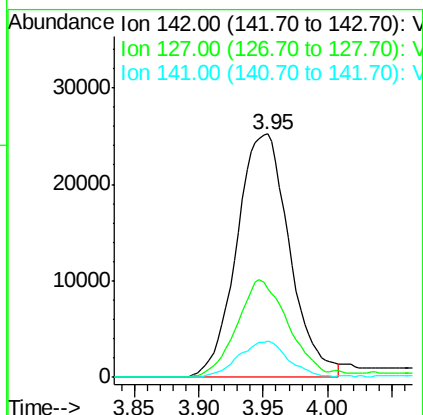
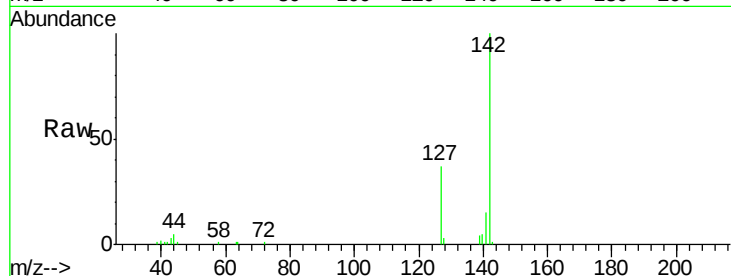




#11
Methyl Iodide
Concen: 5.964 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

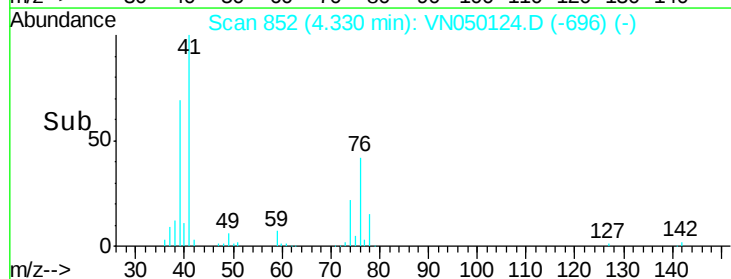
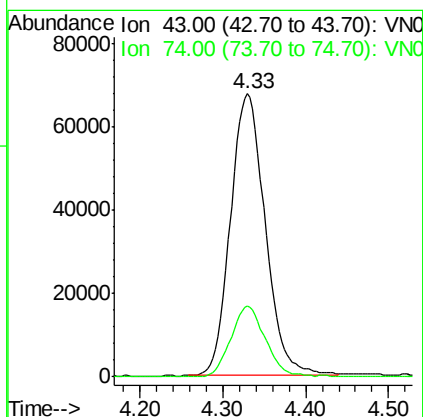
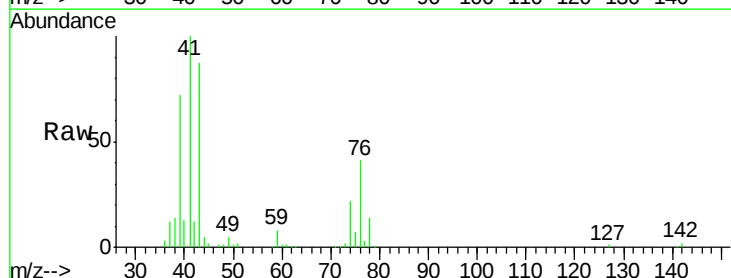
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

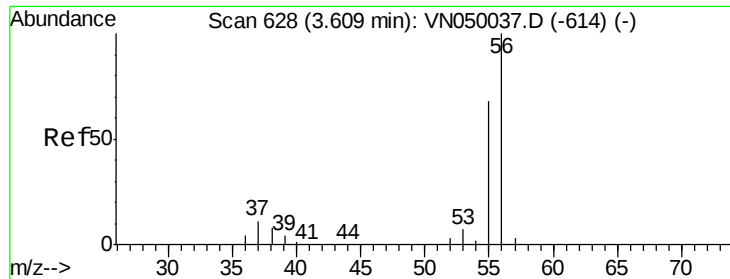
Tgt Ion: 142 Resp: 71899
Ion Ratio Lower Upper
142 100
127 36.3 20.2 60.5
141 14.7 6.9 20.6



#12
Methyl Acetate
Concen: 21.120 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion: 43 Resp: 198221
Ion Ratio Lower Upper
43 100
74 25.2 19.3 28.9





#13

Acrolein

Concen: 52.353 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

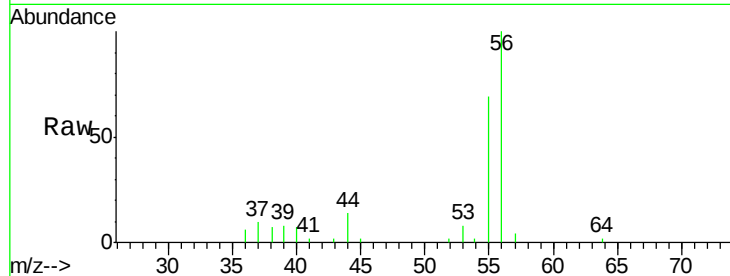
VSTDCCC020

Tgt Ion: 56 Resp: 30366

Ion Ratio Lower Upper

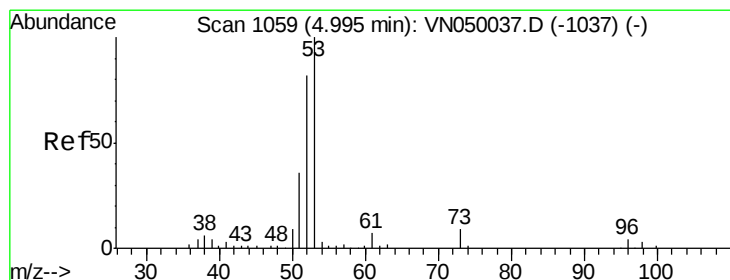
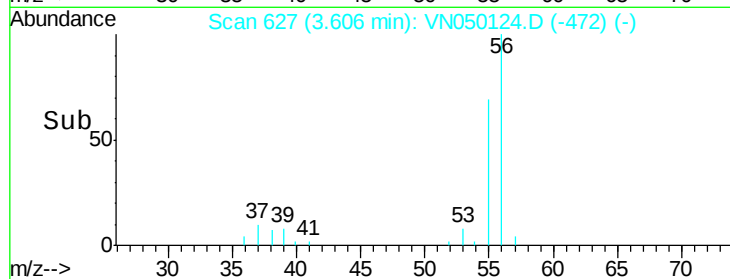
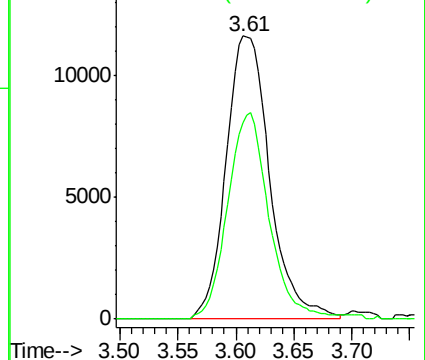
56 100

55 68.7 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 97.822 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

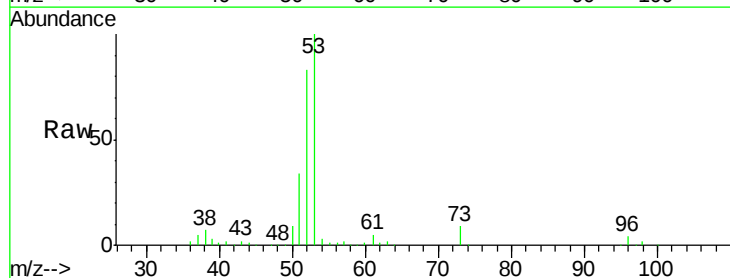
Tgt Ion: 53 Resp: 306355

Ion Ratio Lower Upper

53 100

52 81.6 41.5 124.5

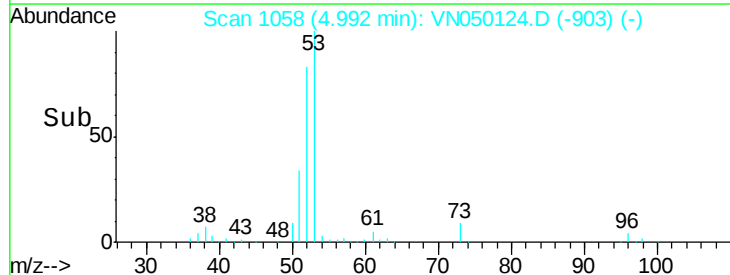
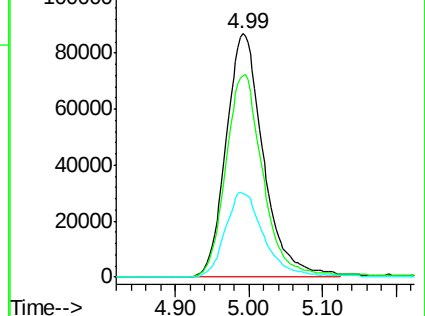
51 35.6 18.7 56.1

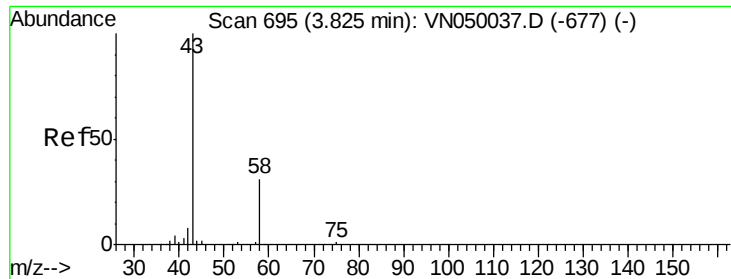


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 107.828 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

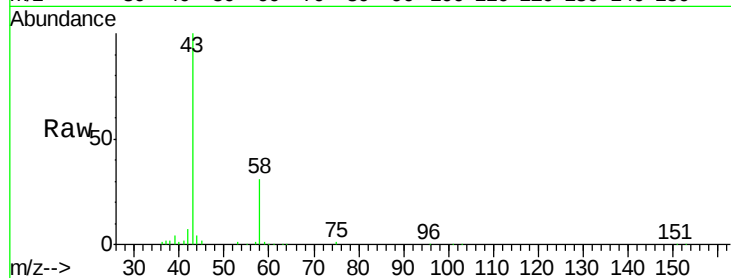
VSTDCCC020

Tgt Ion: 58 Resp: 89745

Ion Ratio Lower Upper

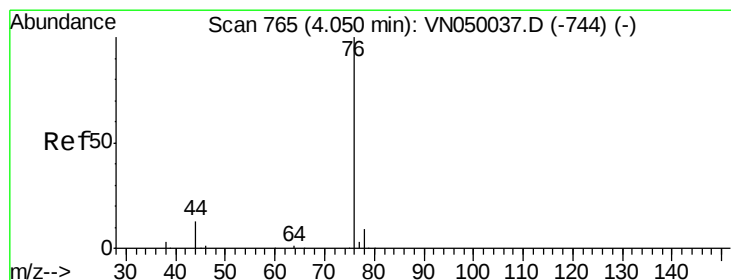
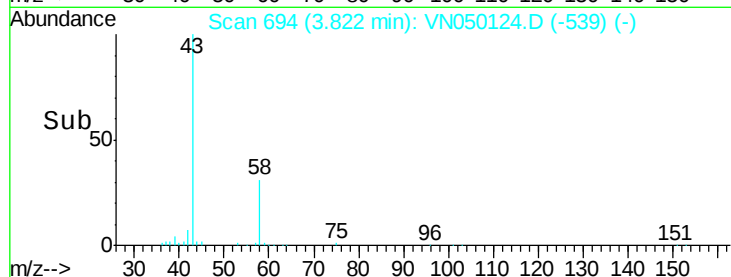
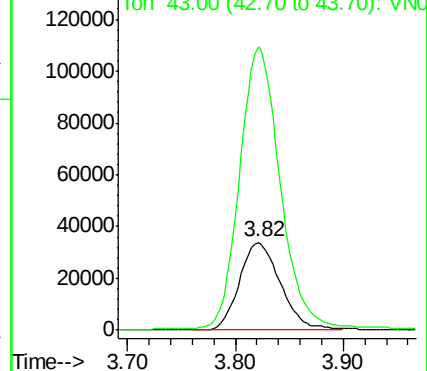
58 100

43 320.5 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.278 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050124.D

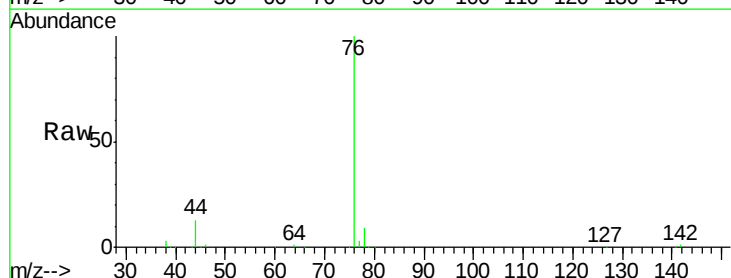
Acq: 27 Jul 2018 11:08

Tgt Ion: 76 Resp: 483370

Ion Ratio Lower Upper

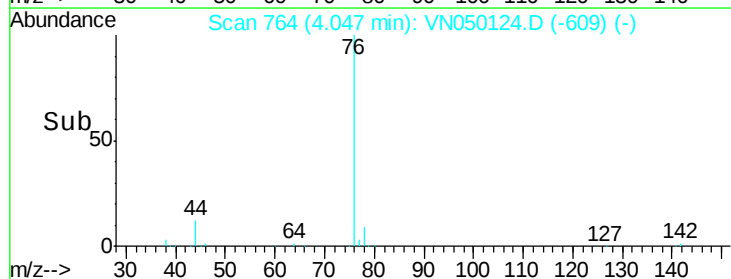
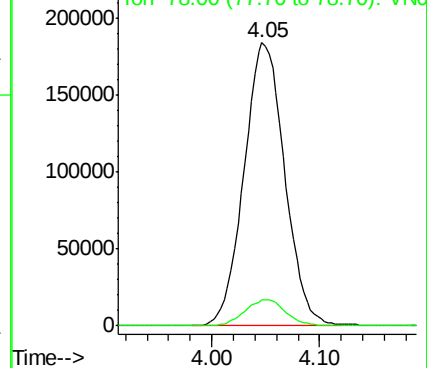
76 100

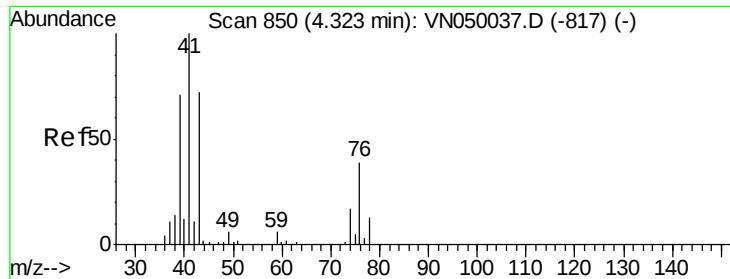
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

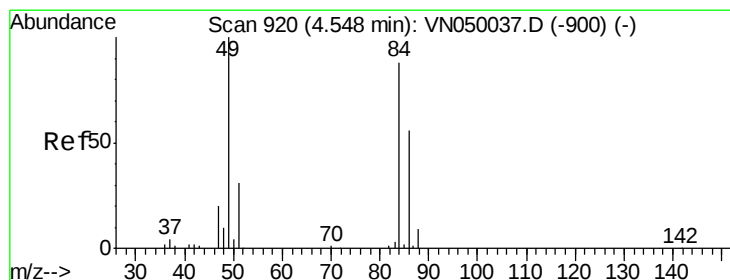
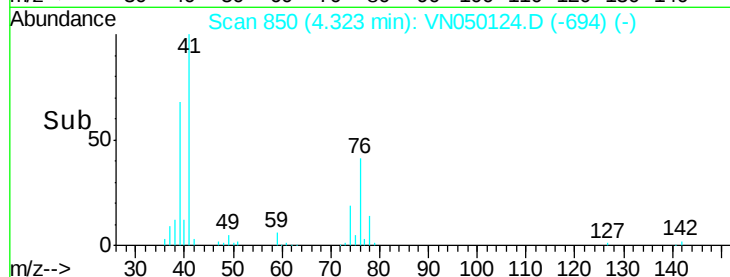
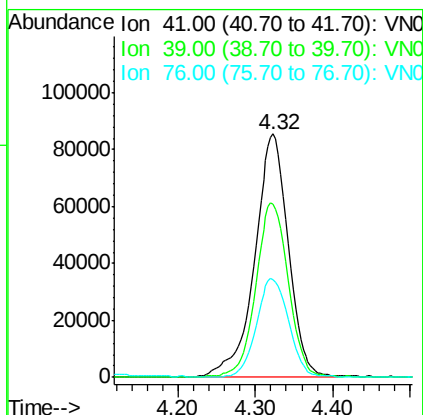
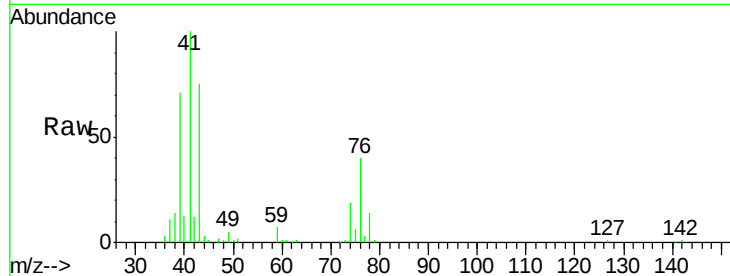




#17
 Allyl chloride
 Concen: 20.021 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

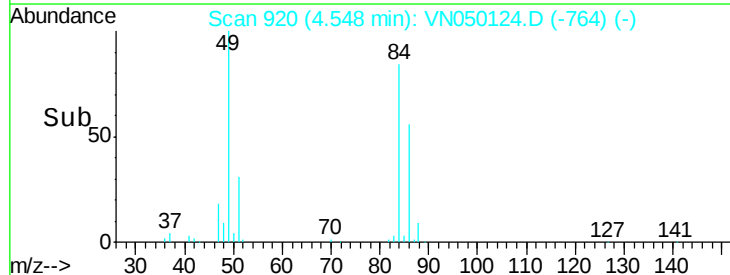
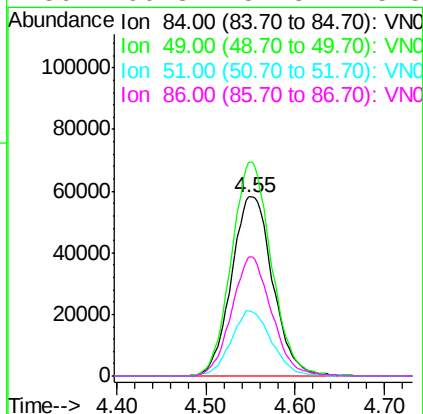
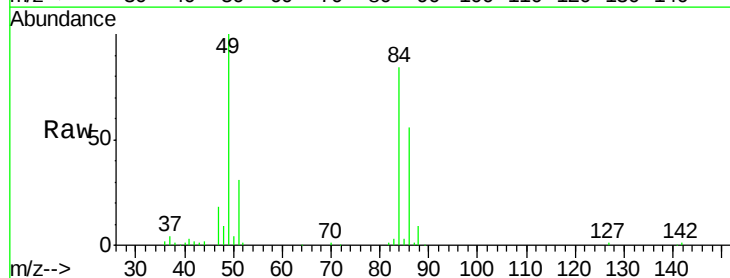
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

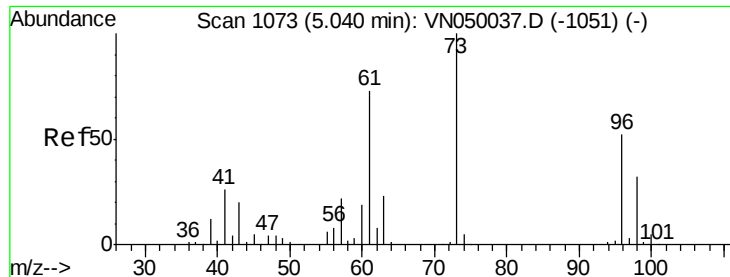
Tgt Ion: 41 Resp: 259054
 Ion Ratio Lower Upper
 41 100
 39 70.9 35.4 106.3
 76 40.0 19.7 59.1



#18
 Methylene Chloride
 Concen: 19.760 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 84 Resp: 186818
 Ion Ratio Lower Upper
 84 100
 49 119.0 95.1 142.7
 51 36.8 28.8 43.2
 86 66.3 52.3 78.5





#19

trans-1,2-Dichloroethene

Concen: 20.343 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

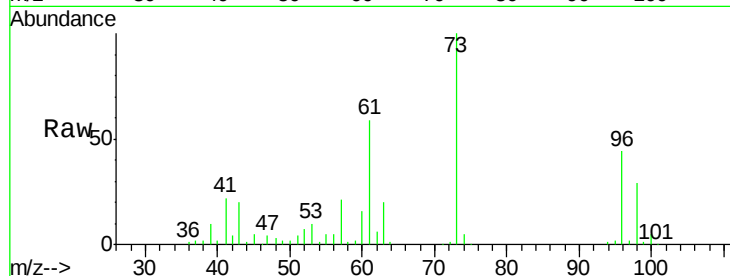
Tgt Ion: 96 Resp: 178446

Ion Ratio Lower Upper

96 100

61 131.9 112.1 168.1

98 64.8 51.3 76.9

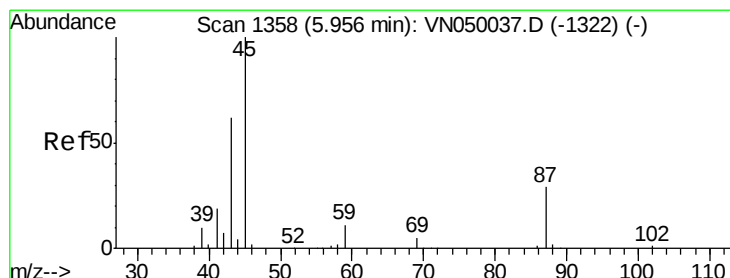
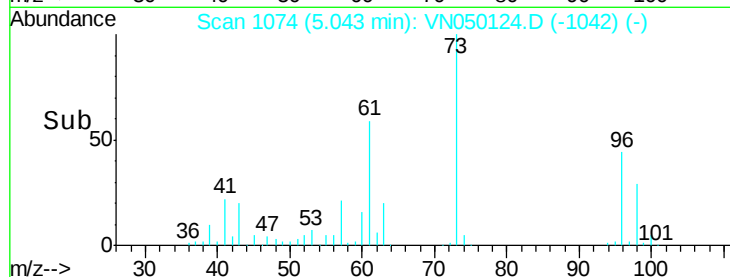
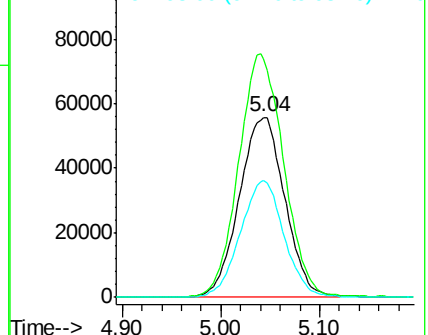


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 20.643 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion: 45 Resp: 547665

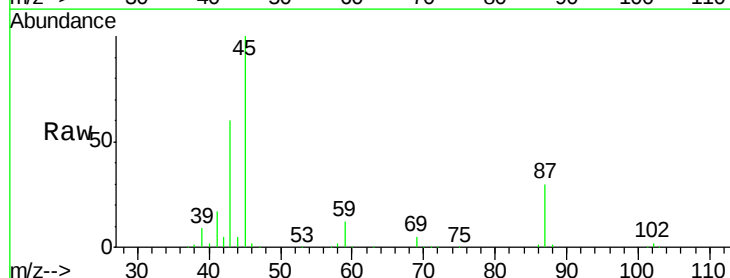
Ion Ratio Lower Upper

45 100

43 58.2 46.6 70.0

87 29.5 22.3 33.5

59 12.1 9.5 14.3



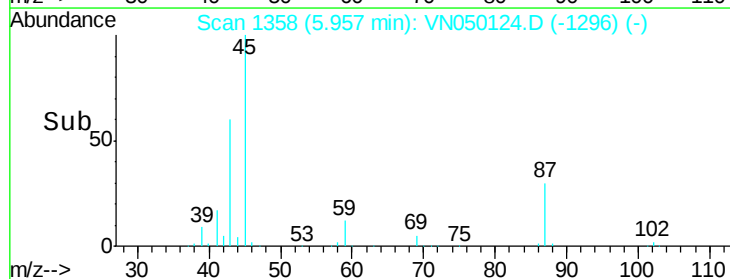
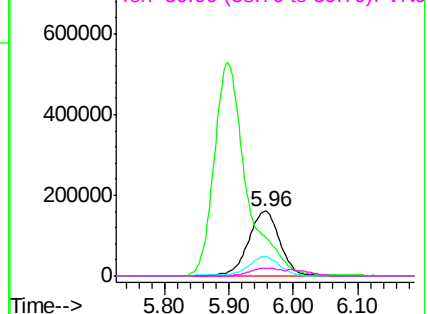
Abundance

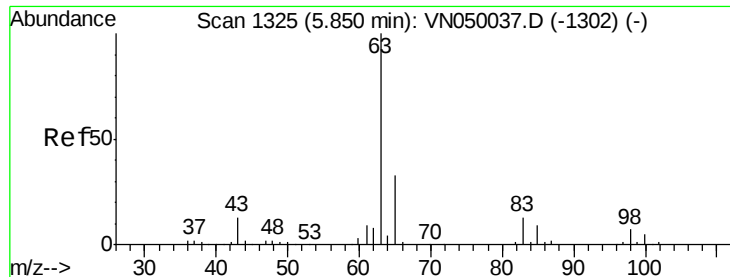
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

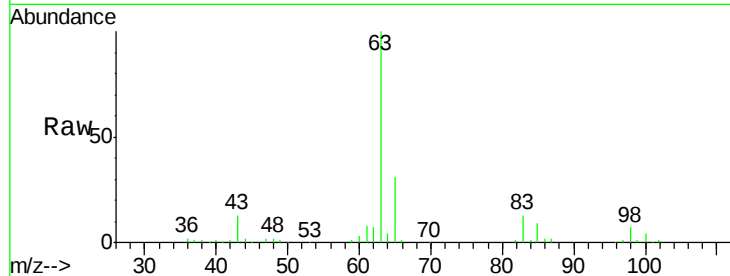




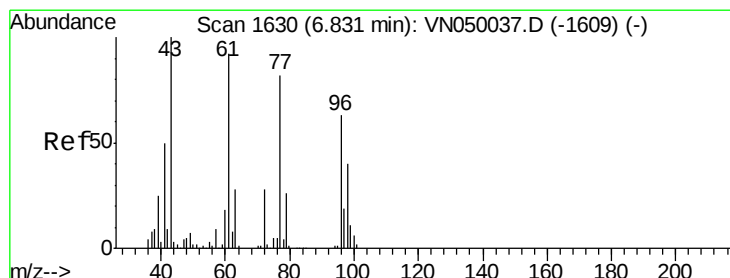
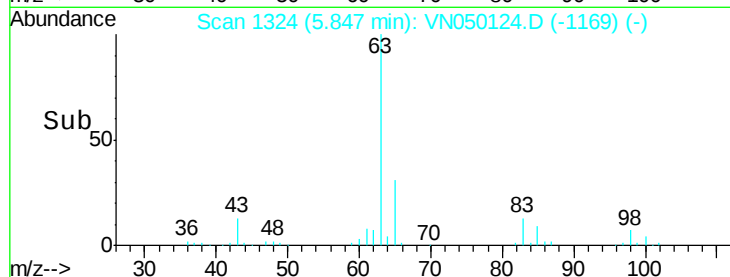
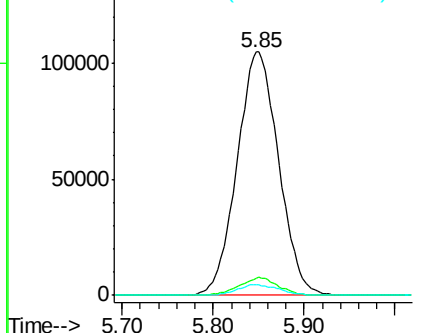
#21
 1,1-Dichloroethane
 Concen: 19.896 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 63 Resp: 331907
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.5 10.6
 100 4.4 2.3 6.8

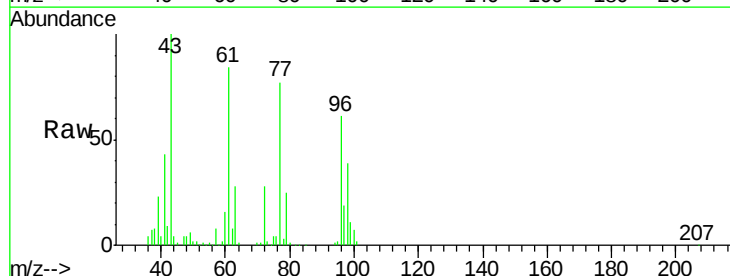


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

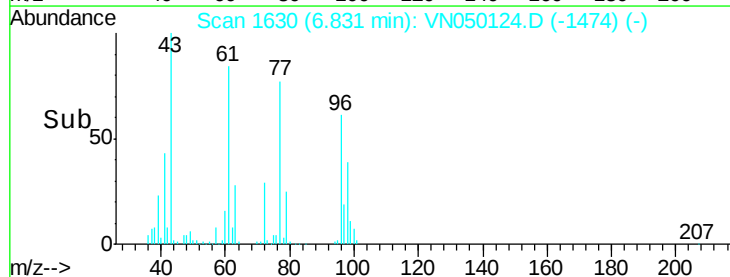
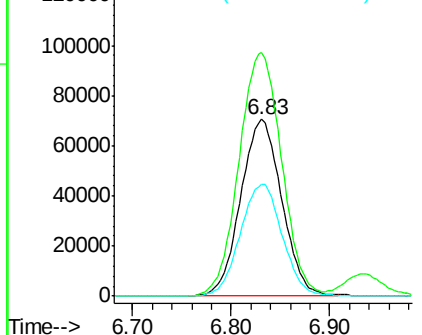


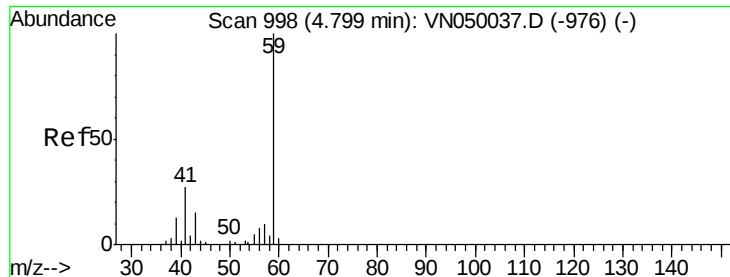
#22
 cis-1,2-Dichloroethene
 Concen: 20.921 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 96 Resp: 203515
 Ion Ratio Lower Upper
 96 100
 61 142.8 114.2 171.2
 98 64.5 51.7 77.5



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

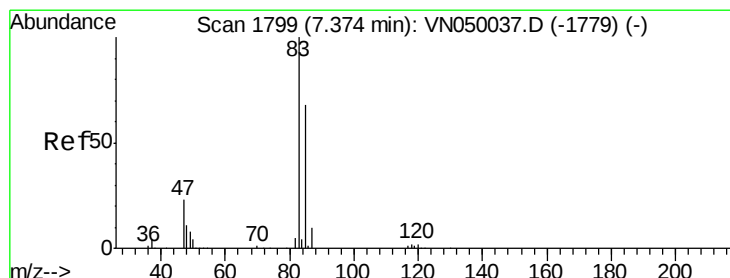
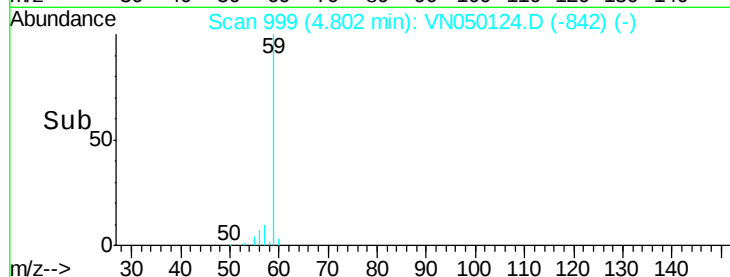
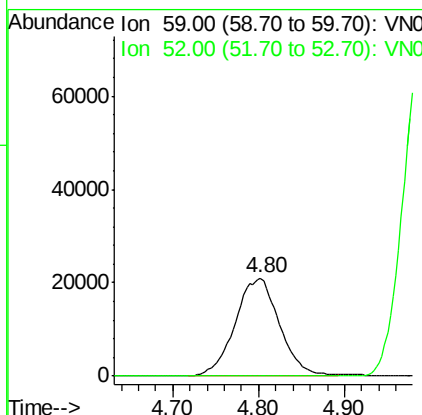
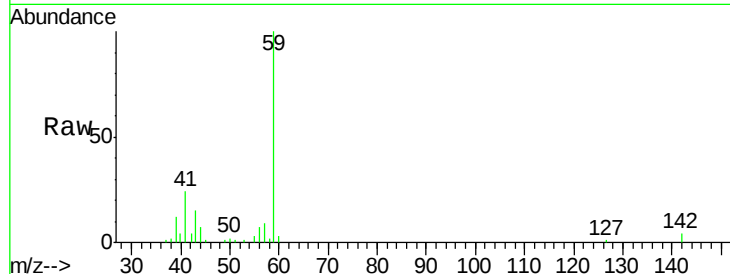




#23
 tert-Butyl Alcohol
 Concen: 107.660 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

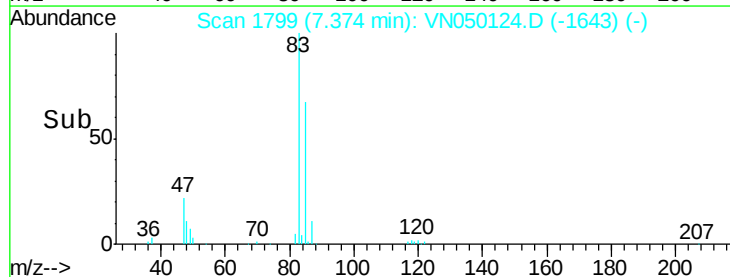
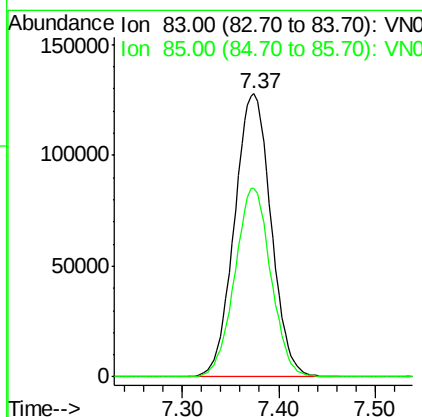
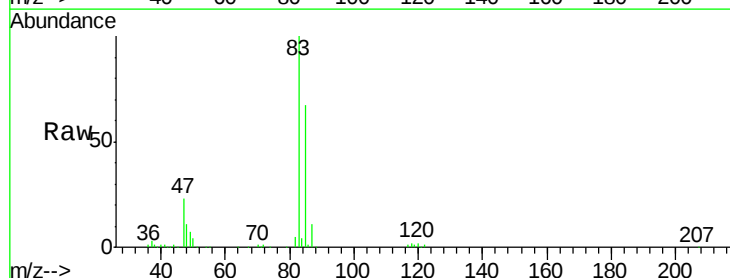
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

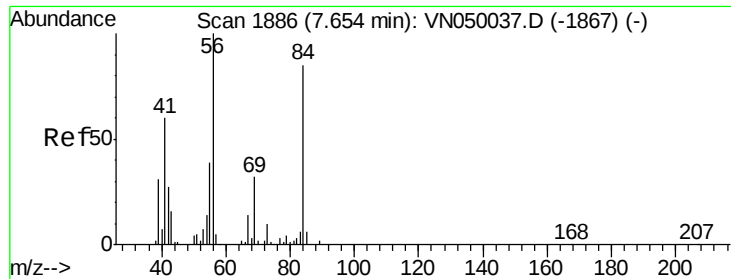
Tgt Ion: 59 Resp: 75339
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#25
 Chloroform
 Concen: 19.914 ug/l
 RT: 7.37 min Scan# 1799
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 83 Resp: 336306
 Ion Ratio Lower Upper
 83 100
 85 66.8 52.1 78.1

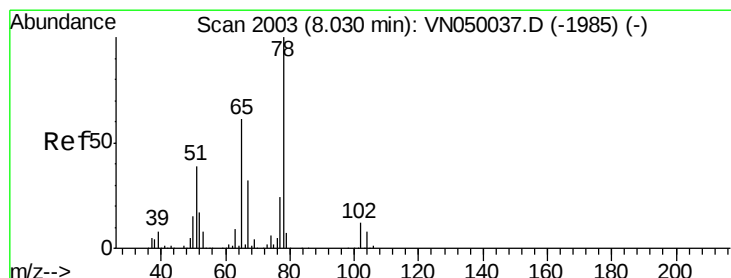
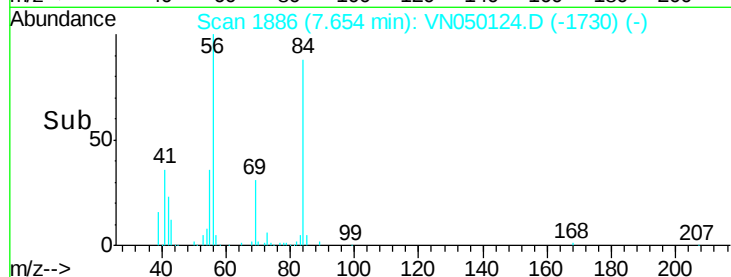
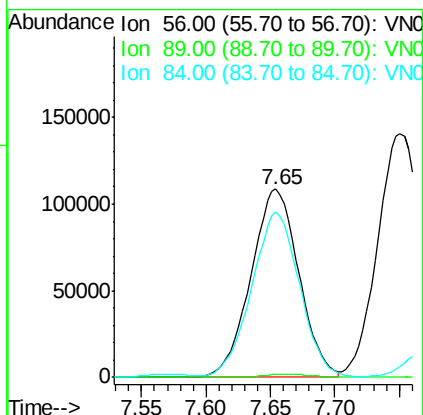
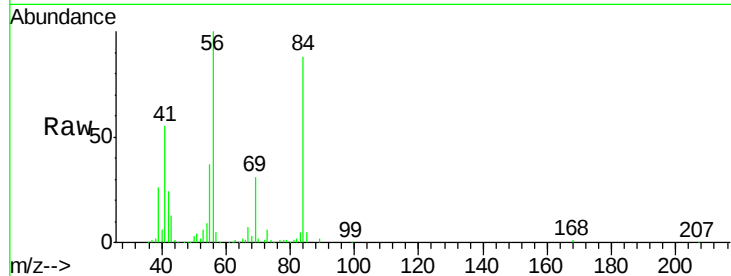




#26
Cyclohexane
Concen: 21.185 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

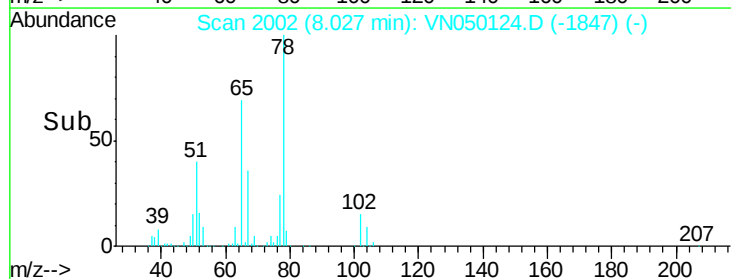
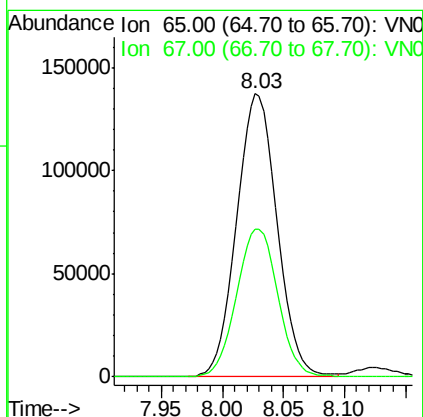
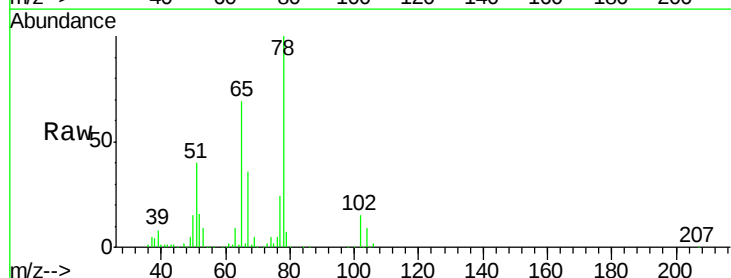
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

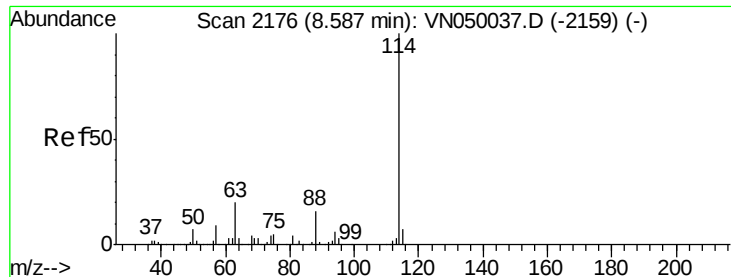
Tgt Ion: 56 Resp: 280844
Ion Ratio Lower Upper
56 100
89 1.7 3.0 4.4#
84 88.1 69.8 104.8



#27
1,2-Dichloroethane-d4
Concen: 30.156 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion: 65 Resp: 314986
Ion Ratio Lower Upper
65 100
67 53.4 42.7 64.1

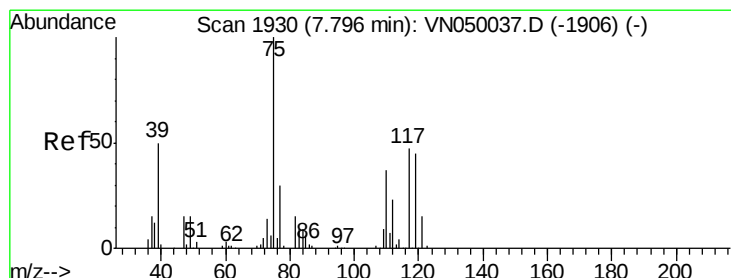
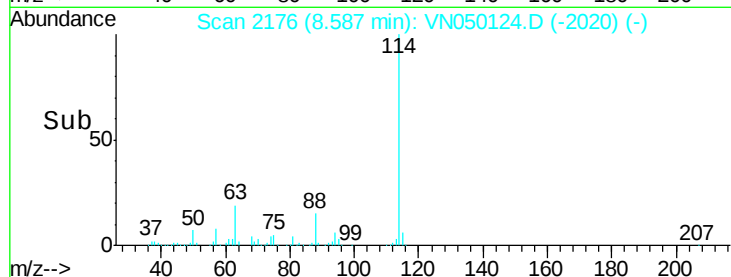
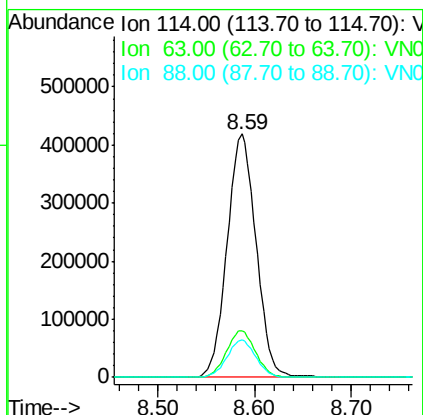
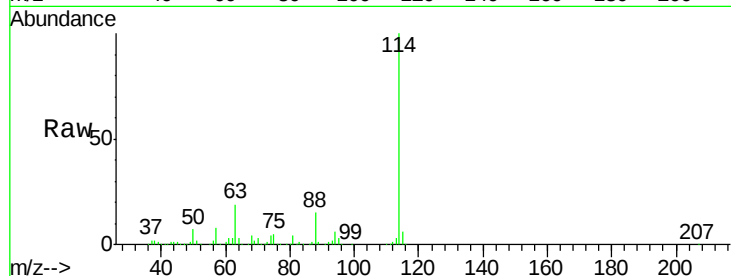




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

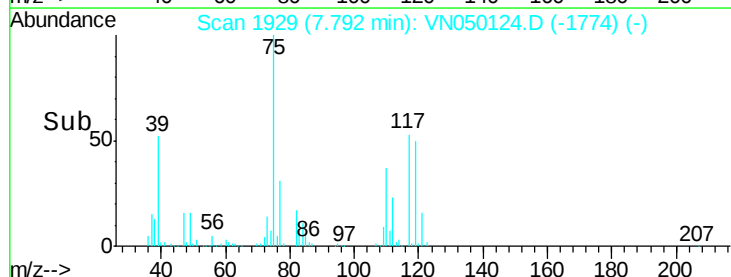
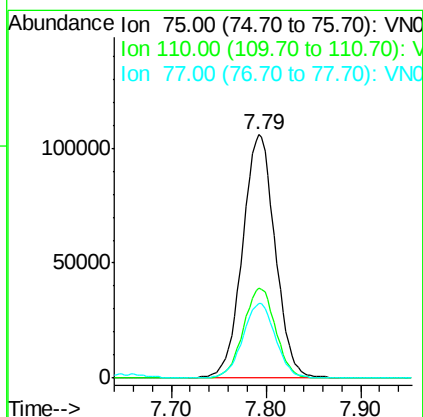
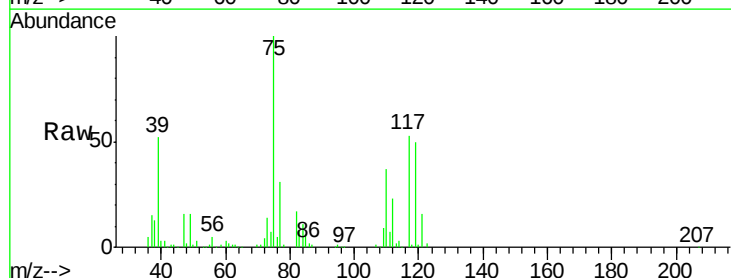
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

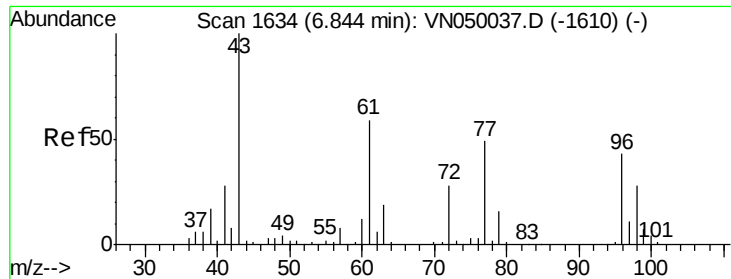
Tgt Ion: 114 Resp: 872653
 Ion Ratio Lower Upper
 114 100
 63 19.2 16.2 24.2
 88 15.2 12.3 18.5



#29
 1,1-Dichloropropene
 Concen: 18.699 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 75 Resp: 253234
 Ion Ratio Lower Upper
 75 100
 110 36.5 0.0 73.2
 77 31.0 0.0 62.0

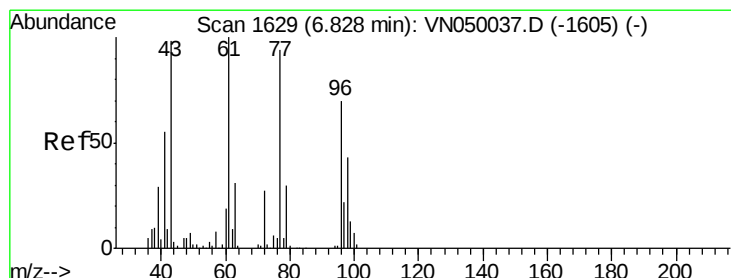
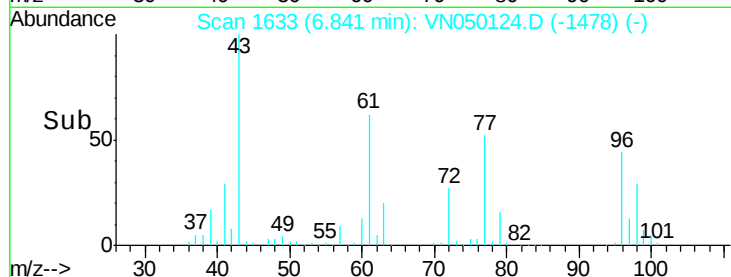
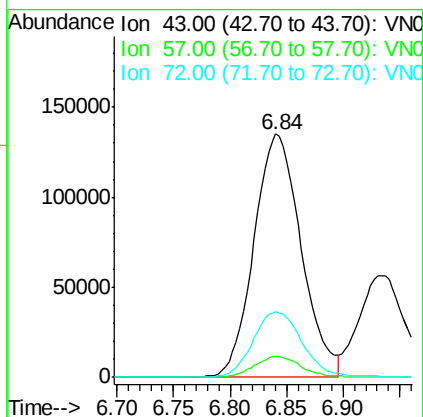
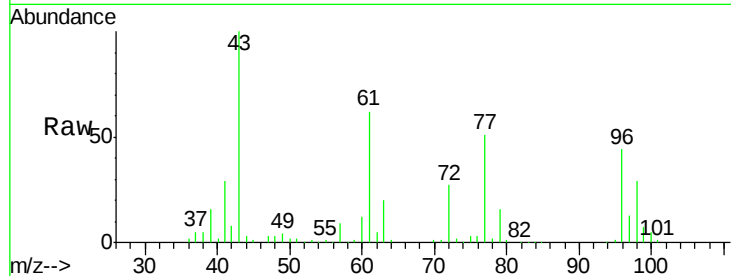




#30
2-Butanone
Concen: 91.650 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

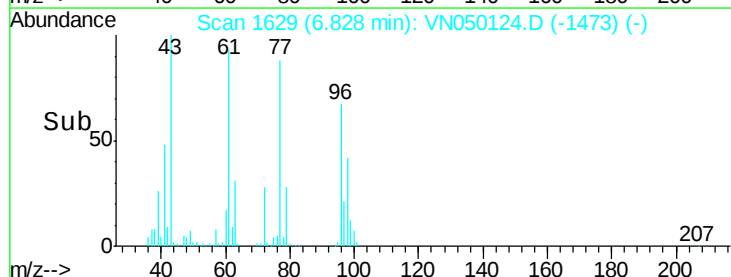
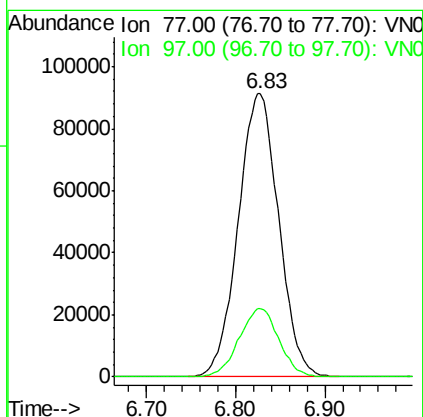
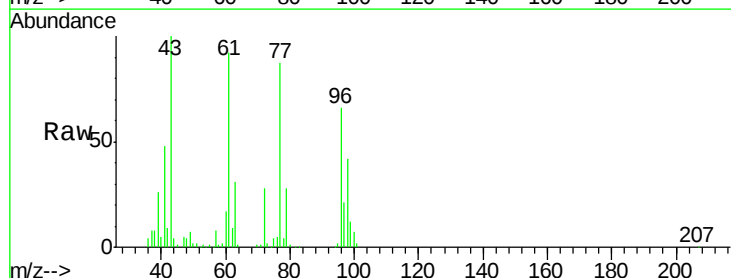
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

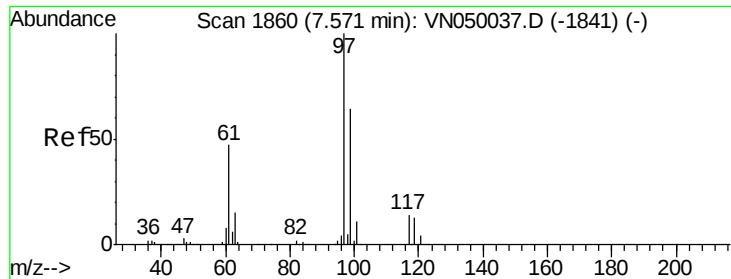
Tgt Ion: 43 Resp: 389490
Ion Ratio Lower Upper
43 100
57 8.7 6.8 10.2
72 28.1 21.4 32.0



#31
2,2-Dichloropropane
Concen: 19.240 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion: 77 Resp: 288022
Ion Ratio Lower Upper
77 100
97 23.7 18.9 28.3





#32

1,1,1-Trichloroethane

Concen: 18.517 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

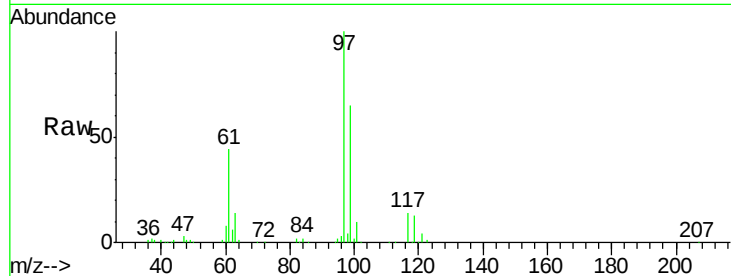
Tgt Ion: 97 Resp: 295179

Ion Ratio Lower Upper

97 100

99 64.1 51.2 76.8

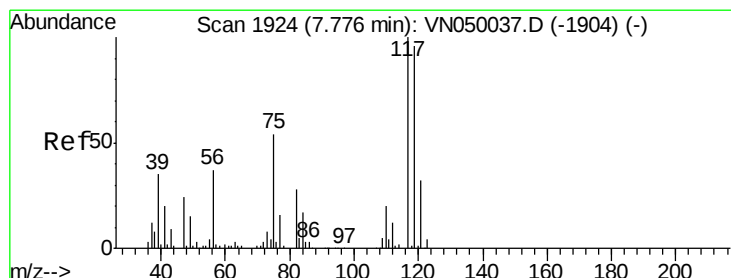
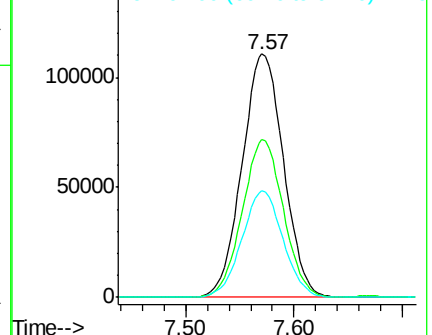
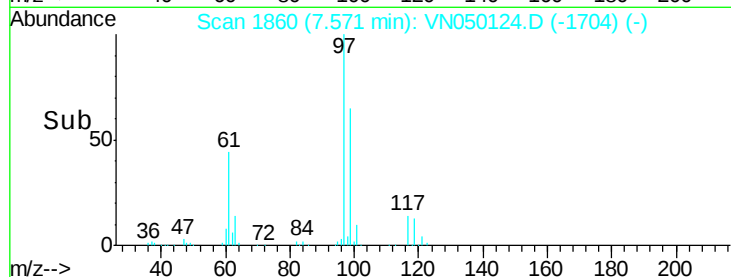
61 43.4 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VN050124.D (-1704) (-)

Ion 99.00 (98.70 to 99.70): VN050124.D (-1704) (-)

Ion 61.00 (60.70 to 61.70): VN050124.D (-1704) (-)



#33

Carbon Tetrachloride

Concen: 18.309 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

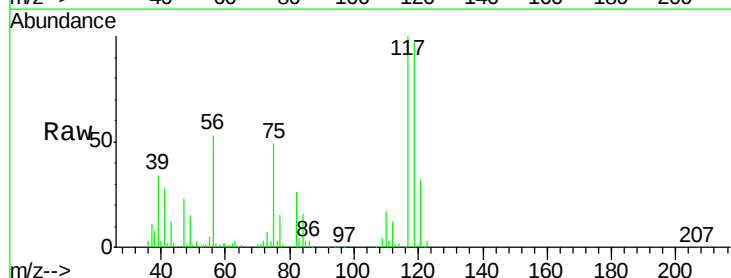
Tgt Ion: 117 Resp: 260159

Ion Ratio Lower Upper

117 100

119 97.2 76.9 115.3

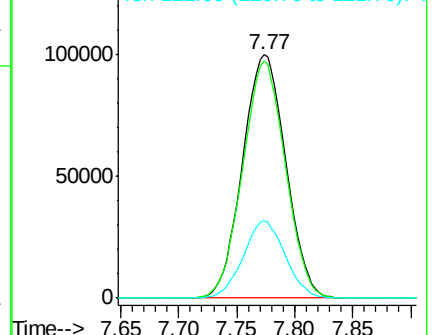
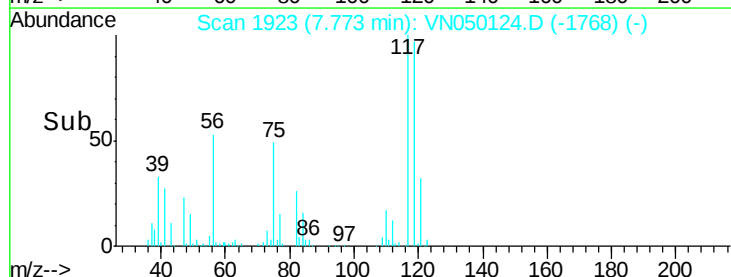
121 31.9 24.4 36.6

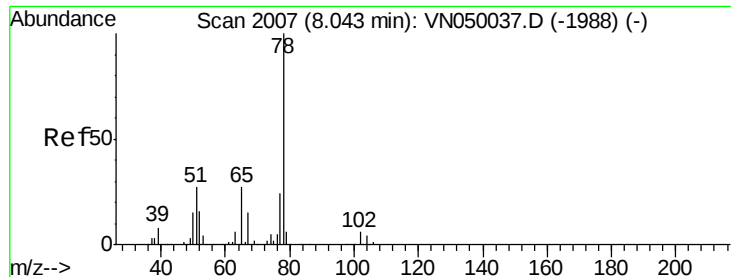


Abundance Ion 117.00 (116.70 to 117.70): VN050124.D (-1768) (-)

Ion 119.00 (118.70 to 119.70): VN050124.D (-1768) (-)

Ion 121.00 (120.70 to 121.70): VN050124.D (-1768) (-)





#34

Benzene

Concen: 18.422 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

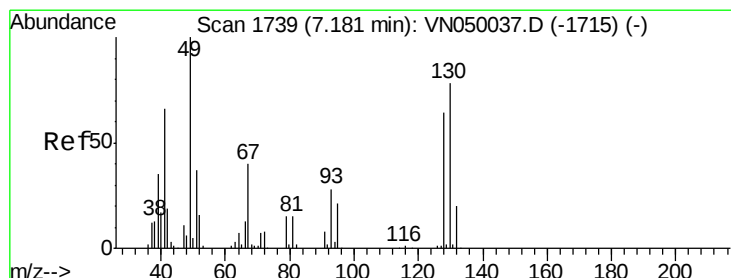
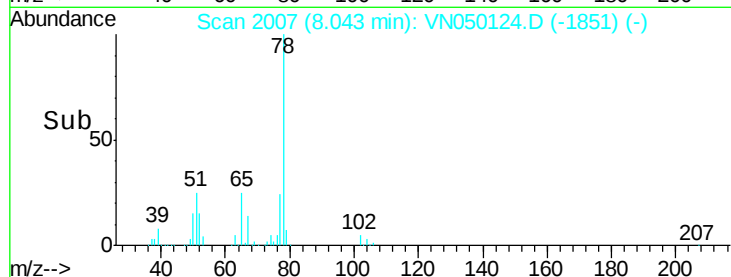
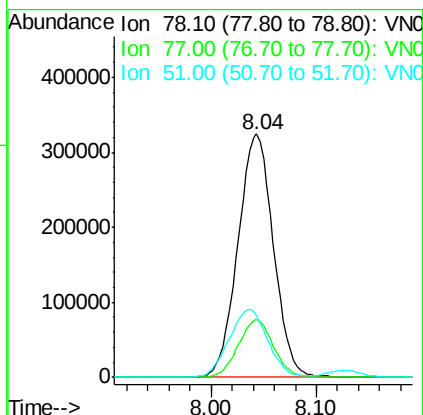
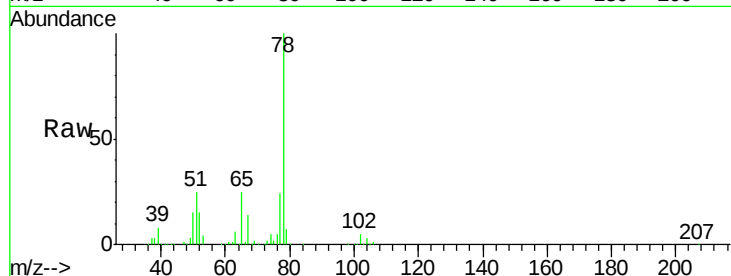
Tgt Ion: 78 Resp: 757677

Ion Ratio Lower Upper

78 100

77 23.8 19.1 28.7

51 25.0 21.0 31.4



#35

Methacrylonitrile

Concen: 18.022 ug/l

RT: 7.18 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion: 41 Resp: 87204

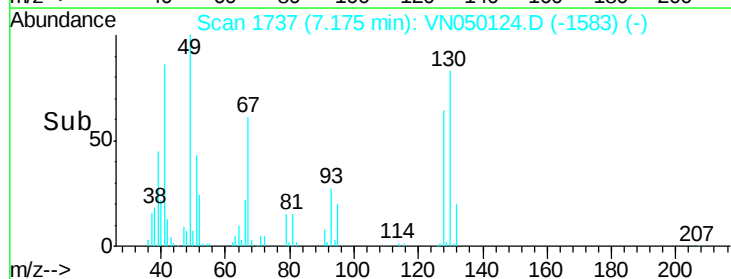
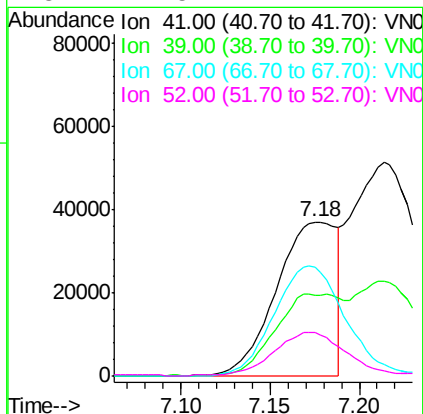
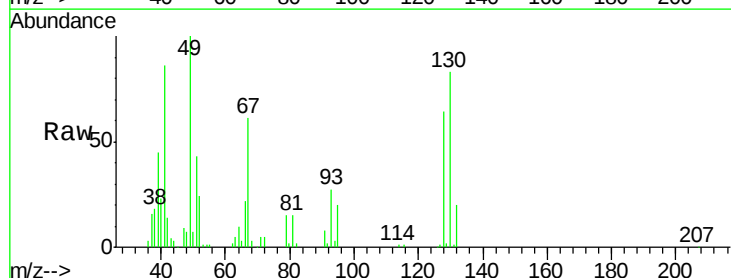
Ion Ratio Lower Upper

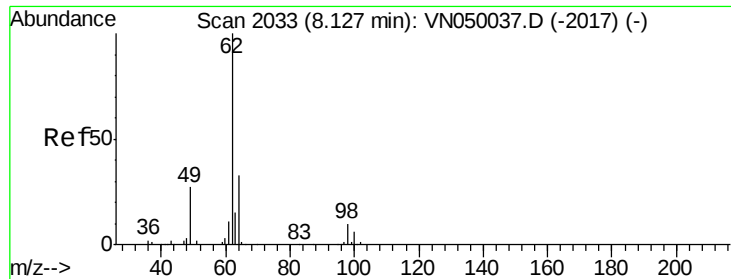
41 100

39 52.5 27.6 82.7

67 70.5 35.1 105.5

52 27.5 14.1 42.4

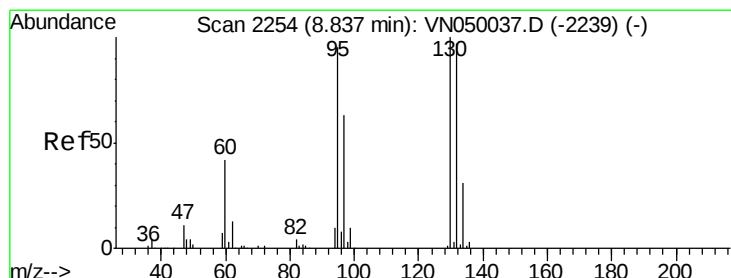
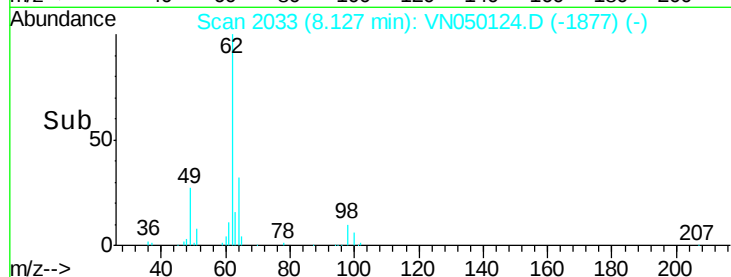
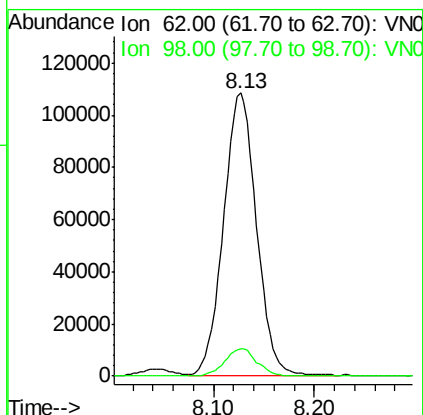
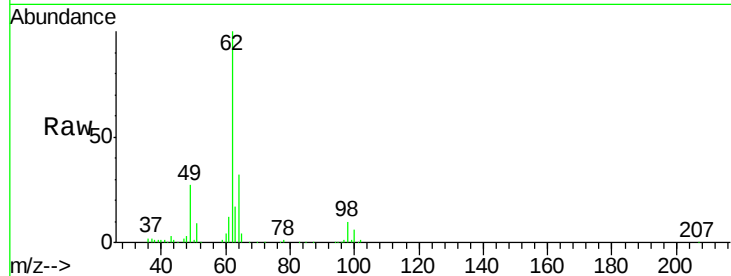




#36
 1,2-Dichloroethane
 Concen: 18.285 ug/l
 RT: 8.13 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

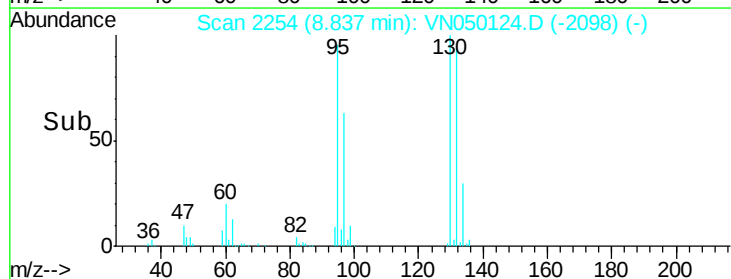
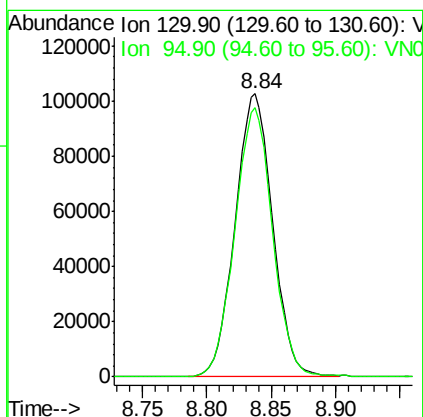
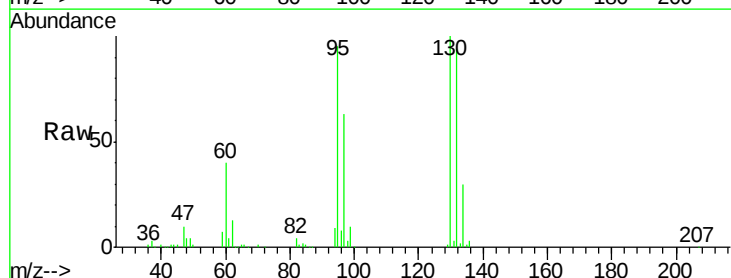
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

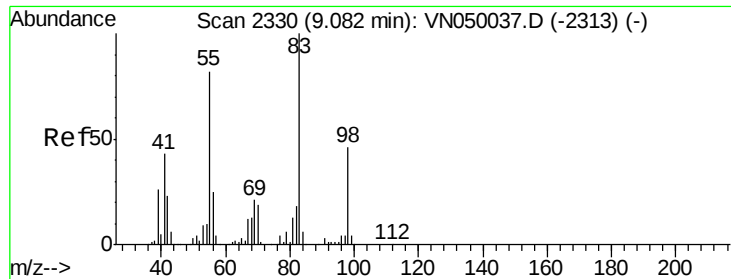
Tgt Ion: 62 Resp: 246927
 Ion Ratio Lower Upper
 62 100
 98 9.5 7.8 11.6



#37
 Trichloroethene
 Concen: 19.287 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 130 Resp: 208051
 Ion Ratio Lower Upper
 130 100
 95 95.1 79.7 119.5

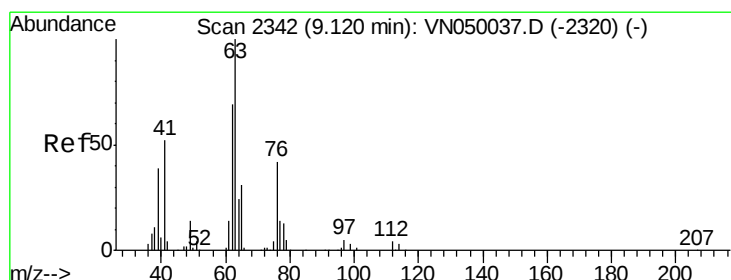
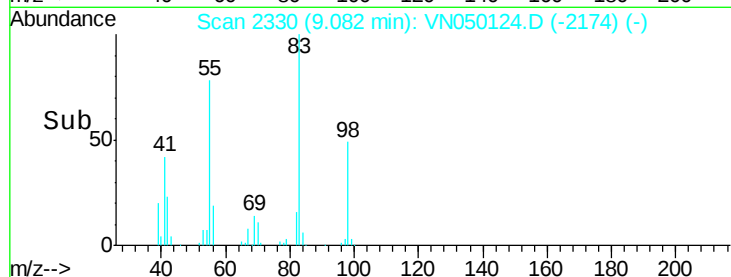
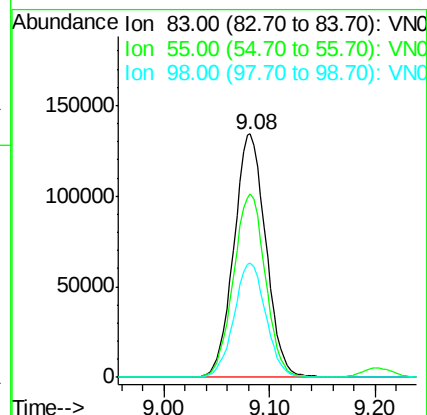
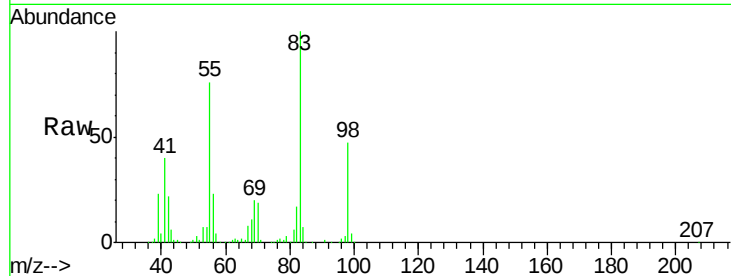




#38
Methylcyclohexane
Concen: 19.766 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

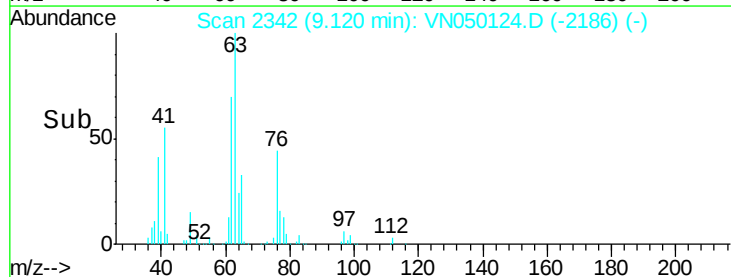
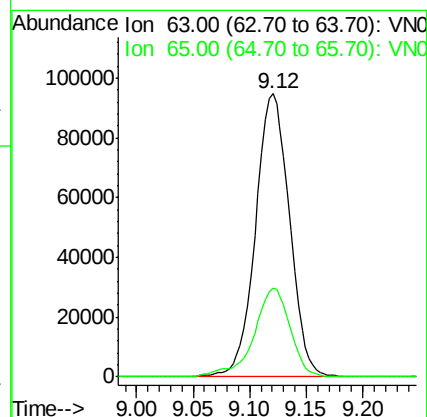
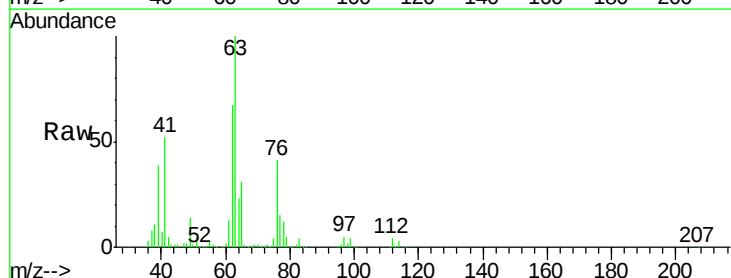
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

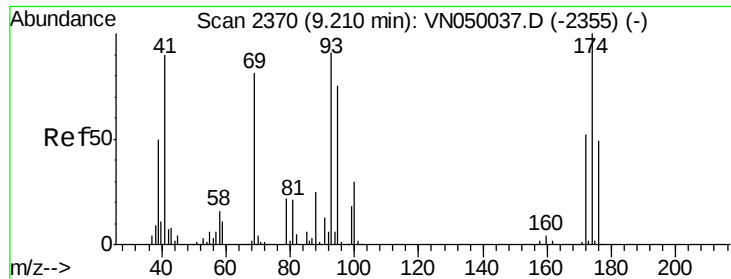
Tgt Ion: 83 Resp: 282204
Ion Ratio Lower Upper
83 100
55 75.1 39.3 117.8
98 46.6 23.0 69.0



#39
1,2-Dichloropropane
Concen: 18.323 ug/l
RT: 9.12 min Scan# 2342
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion: 63 Resp: 198530
Ion Ratio Lower Upper
63 100
65 31.0 24.2 36.2





#40

Dibromomethane

Concen: 18.239 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

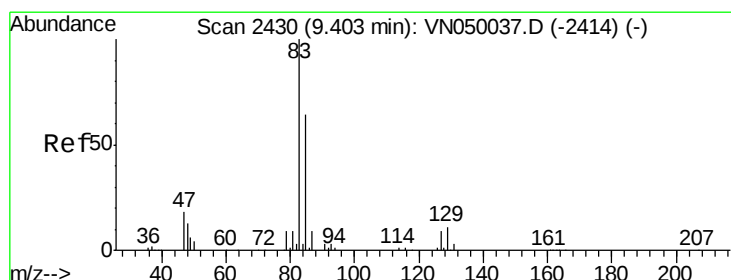
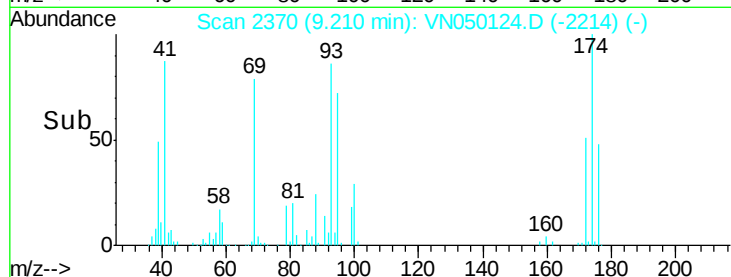
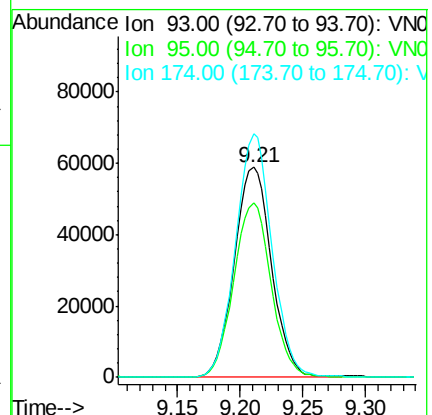
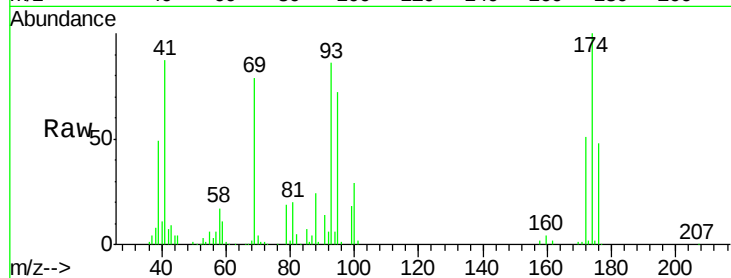
Tgt Ion: 93 Resp: 122138

Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

174 112.7 0.0 223.2



#41

Bromodichloromethane

Concen: 18.118 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

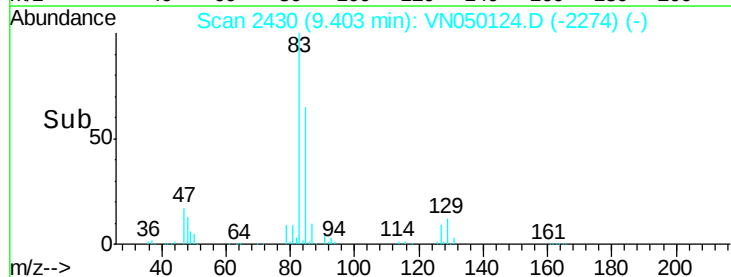
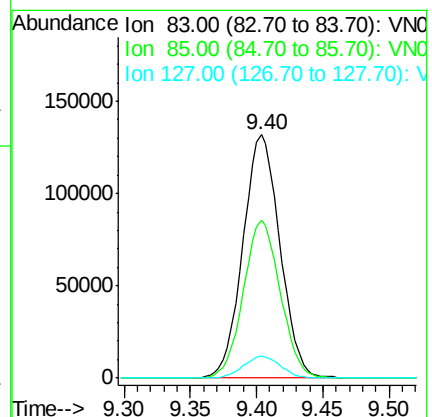
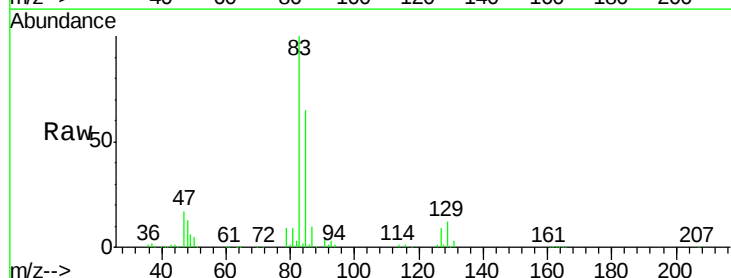
Tgt Ion: 83 Resp: 255923

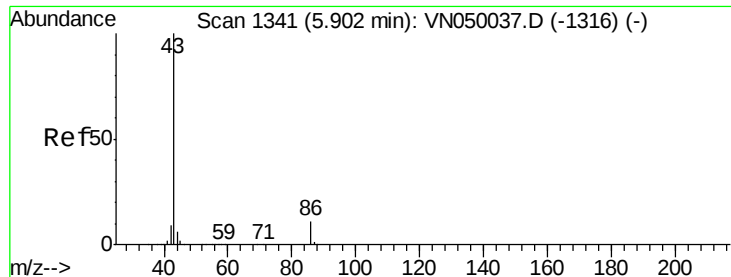
Ion Ratio Lower Upper

83 100

85 64.8 52.6 78.8

127 8.9 7.0 10.4

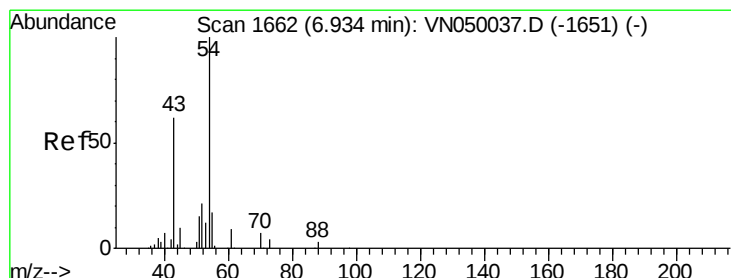
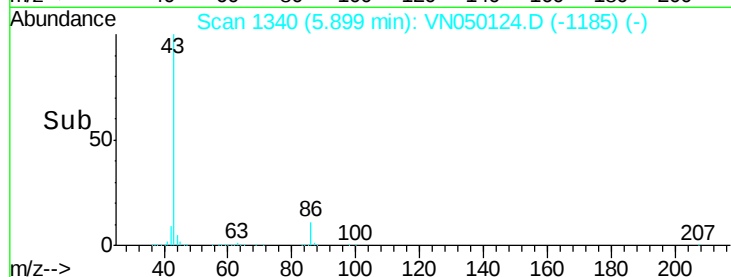
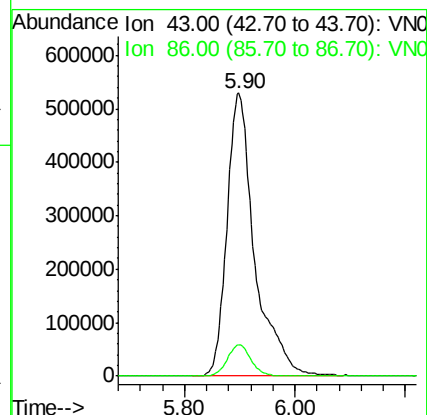
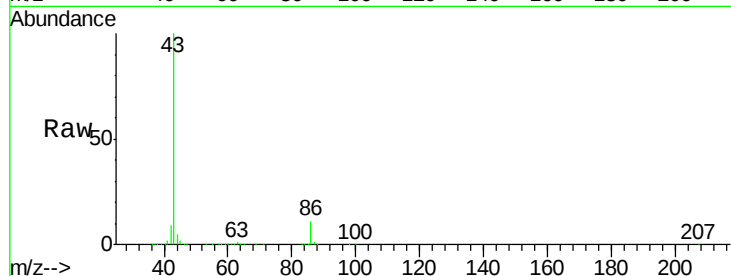




#42
 Vinyl Acetate
 Concen: 92.097 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

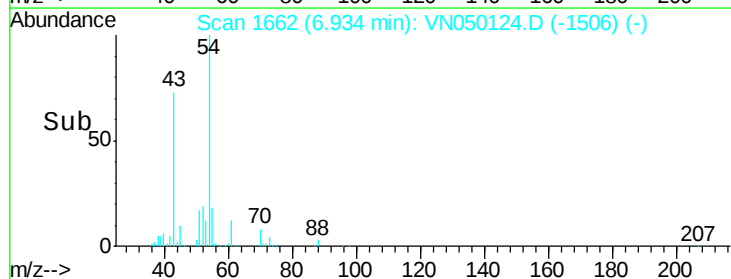
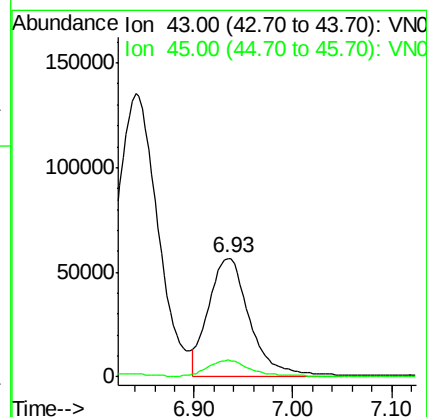
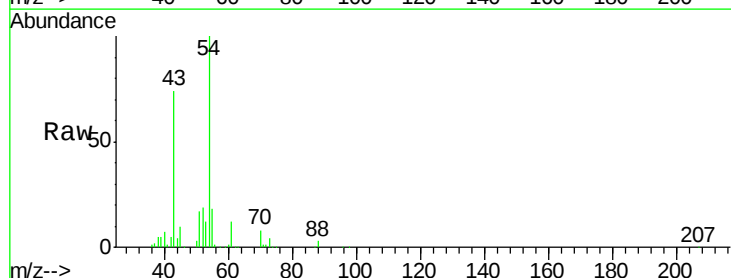
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

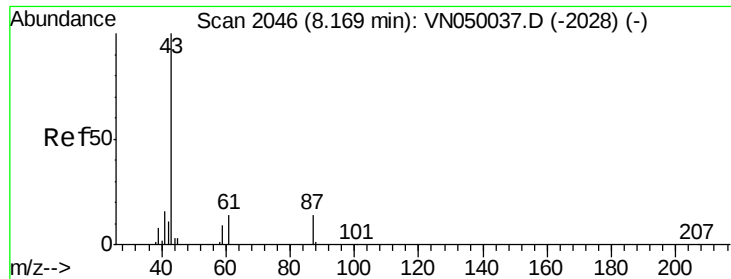
Tgt Ion: 43 Resp: 1841769
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.3 10.9



#43
 Ethyl Acetate
 Concen: 18.455 ug/l
 RT: 6.93 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 43 Resp: 163776
 Ion Ratio Lower Upper
 43 100
 45 13.2 13.0 19.6





#44

Isopropyl Acetate

Concen: 20.006 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

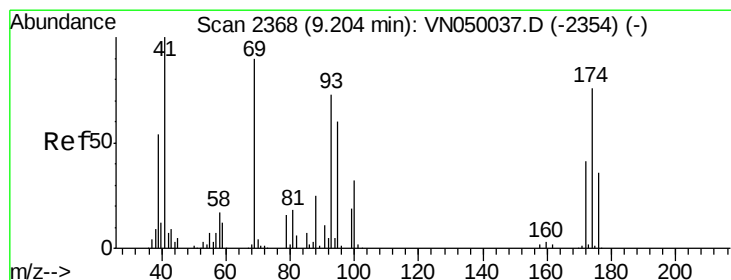
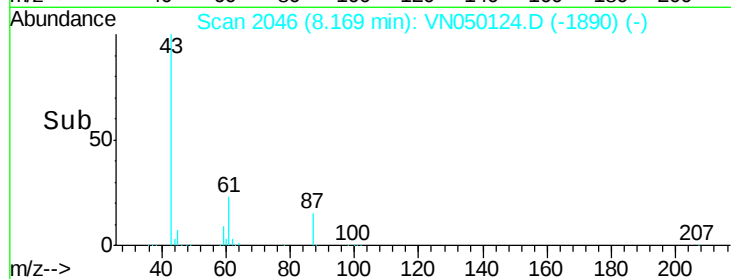
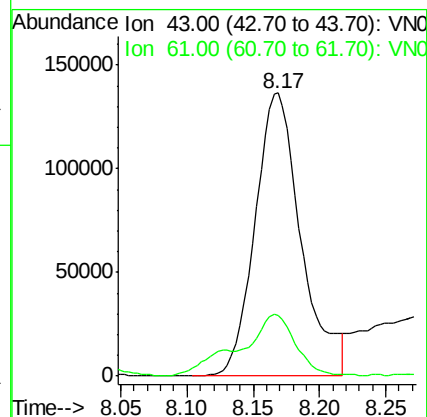
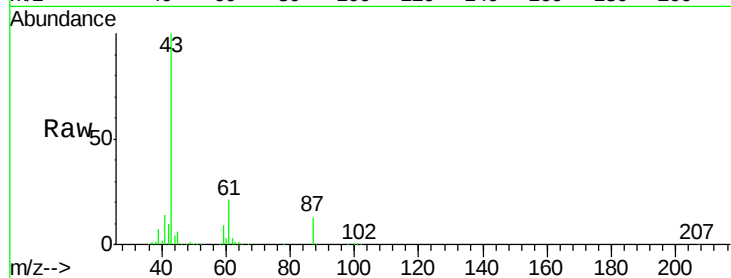
VSTDCCC020

Tgt Ion: 43 Resp: 328871

Ion Ratio Lower Upper

43 100

61 17.5 16.4 24.6



#45

1,4-Dioxane

Concen: 386.917 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

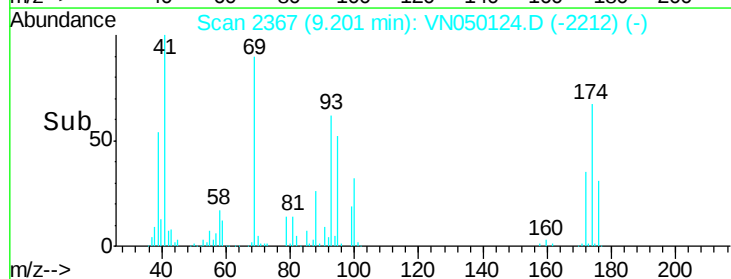
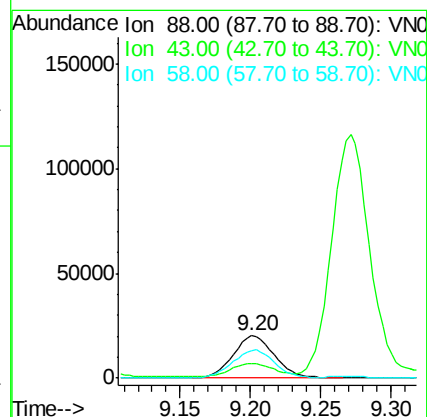
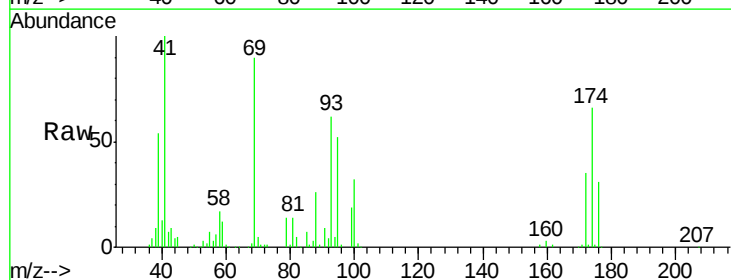
Tgt Ion: 88 Resp: 41855

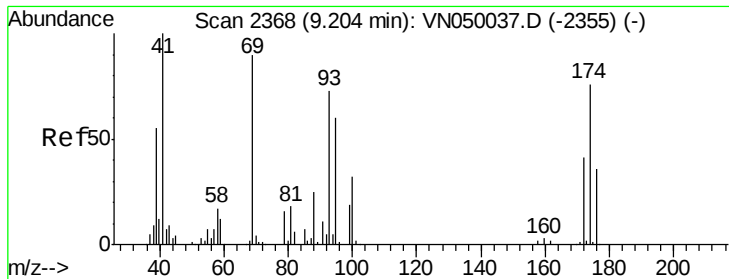
Ion Ratio Lower Upper

88 100

43 32.3 26.9 40.3

58 67.2 53.6 80.4

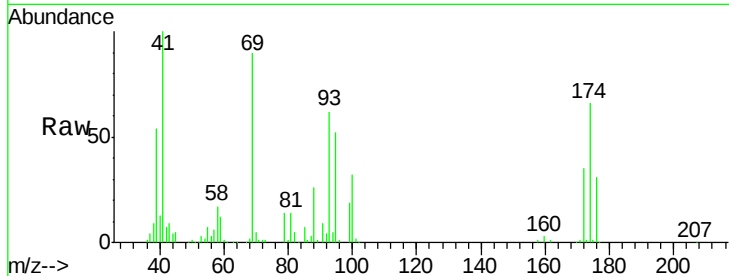




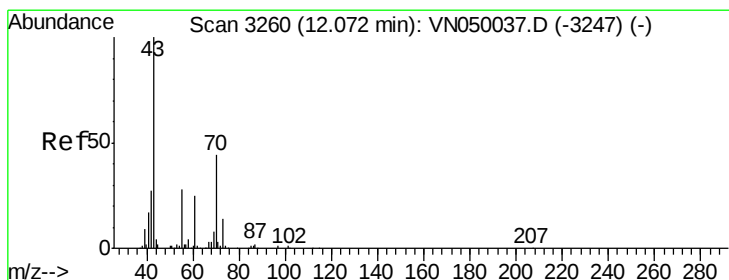
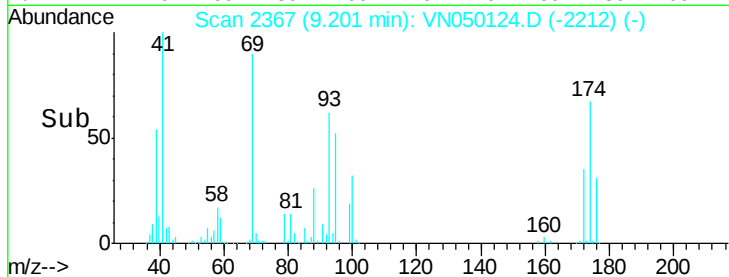
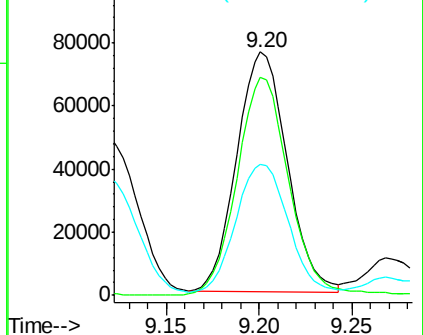
#46
Methyl methacrylate
Concen: 17.987 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 41 Resp: 143343
Ion Ratio Lower Upper
41 100
69 90.6 44.0 132.1
39 53.5 27.0 80.8

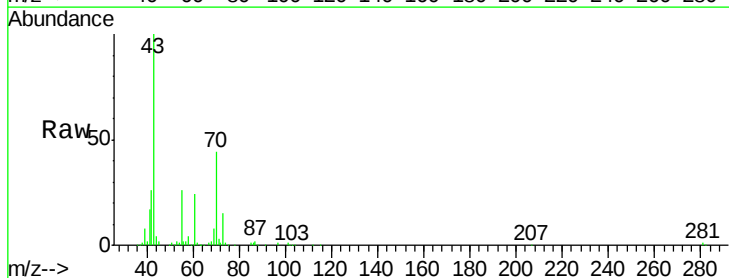


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

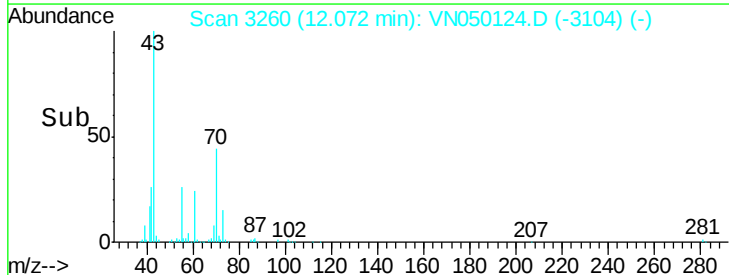
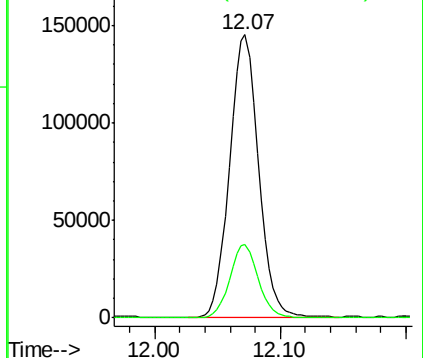


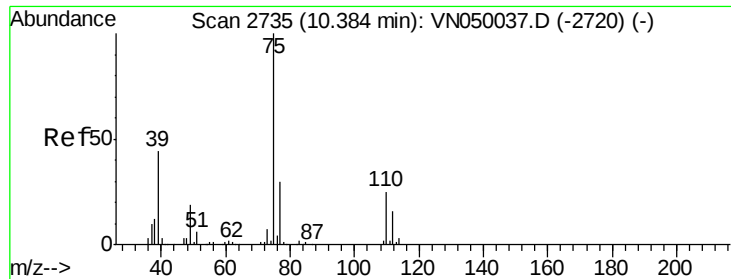
#47
n-ethyl acetate
Concen: 18.141 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion: 43 Resp: 232060
Ion Ratio Lower Upper
43 100
55 25.7 21.0 31.4



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





#48

t-1,3-Dichloropropene

Concen: 19.371 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

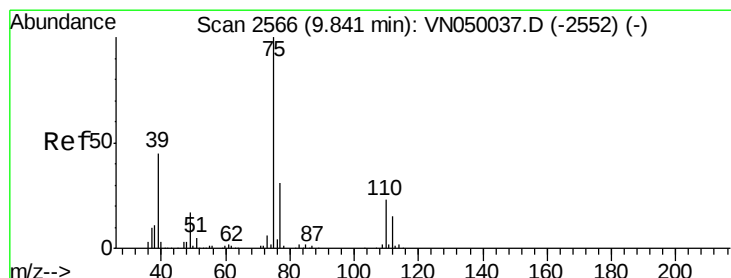
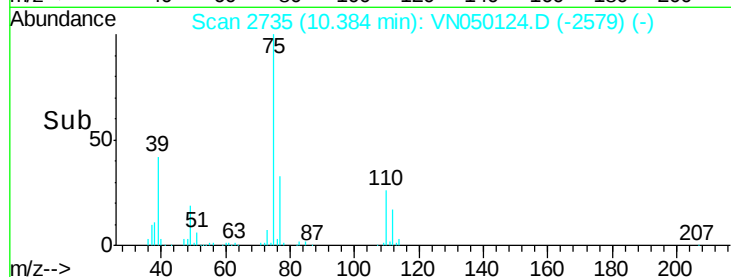
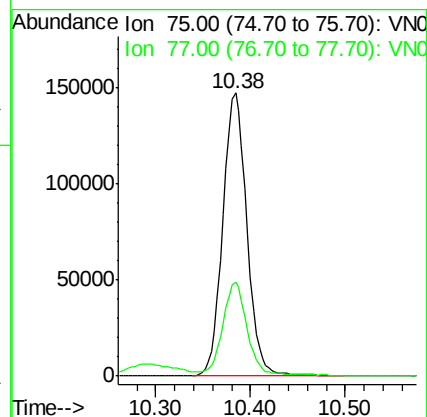
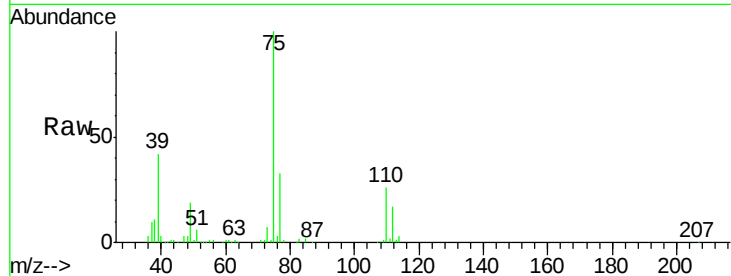
VSTDCCC020

Tgt Ion: 75 Resp: 260804

Ion Ratio Lower Upper

75 100

77 32.9 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 18.693 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

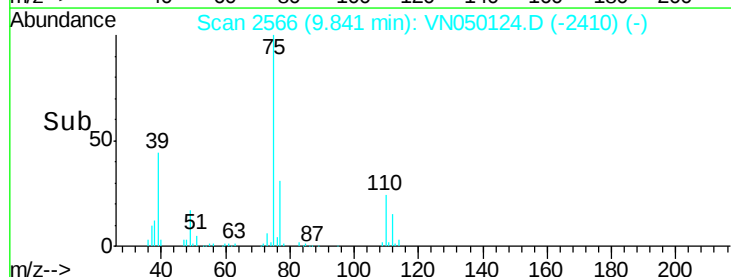
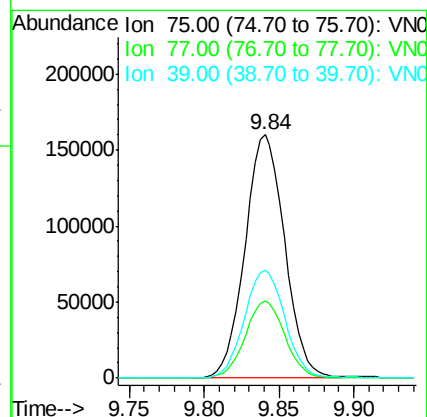
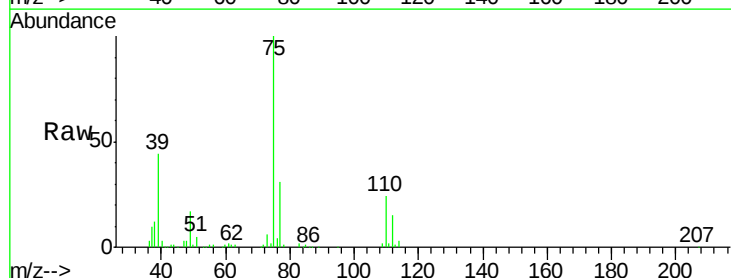
Tgt Ion: 75 Resp: 295715

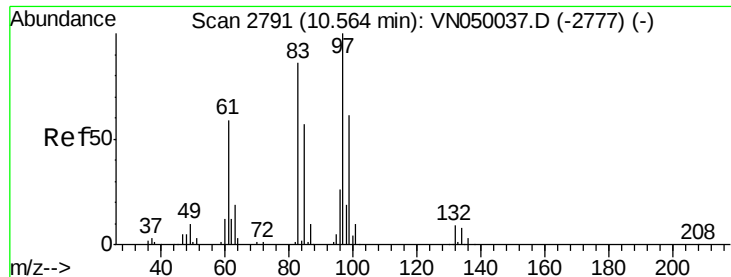
Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 44.3 36.3 54.5

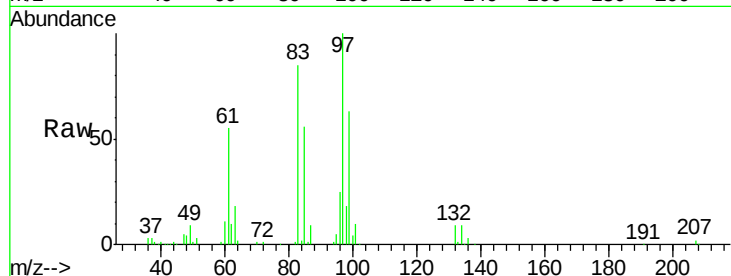




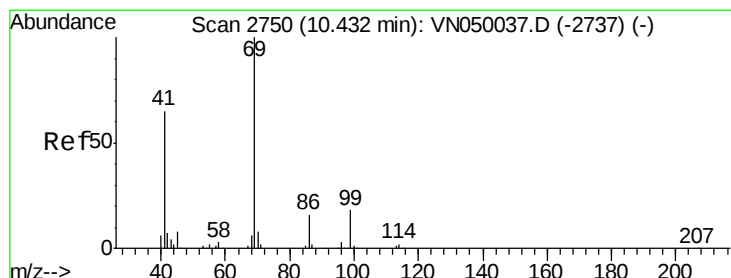
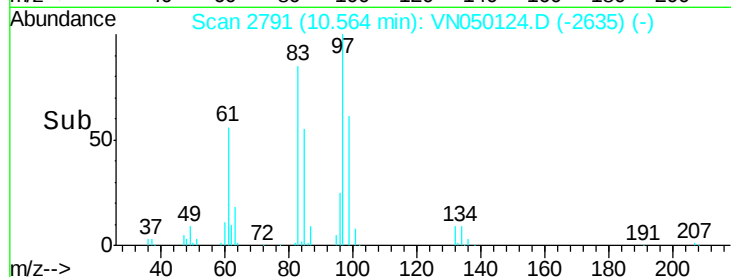
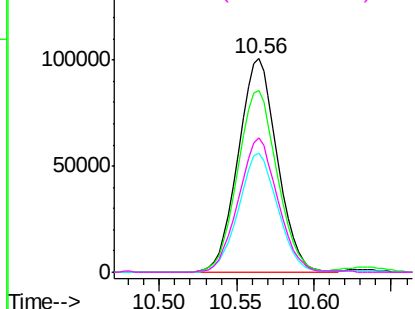
#50
 1,1,2-Trichloroethane
 Concen: 18.390 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 97 Resp: 176764
 Ion Ratio Lower Upper
 97 100
 83 84.8 68.1 102.1
 85 55.6 45.4 68.2
 99 62.9 49.4 74.0

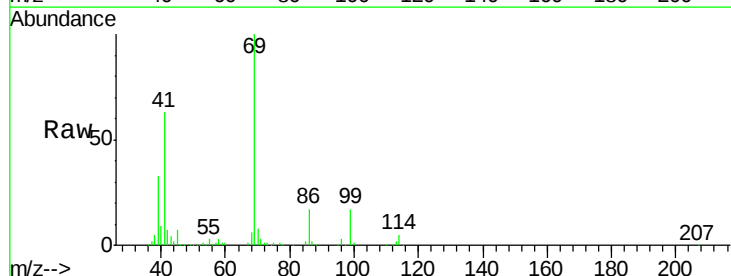


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

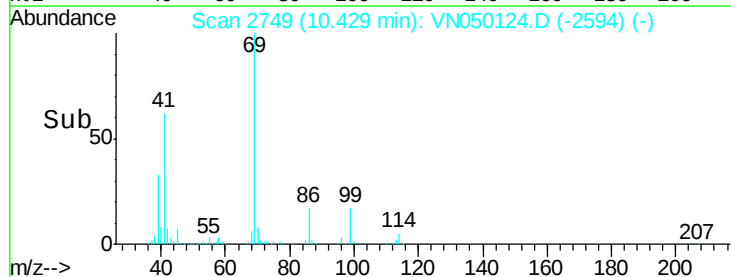
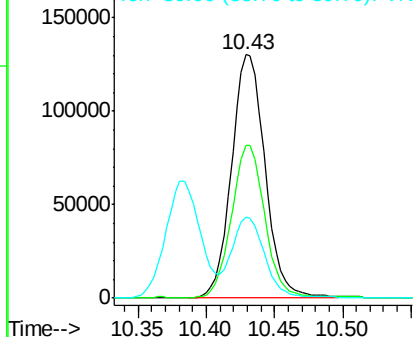


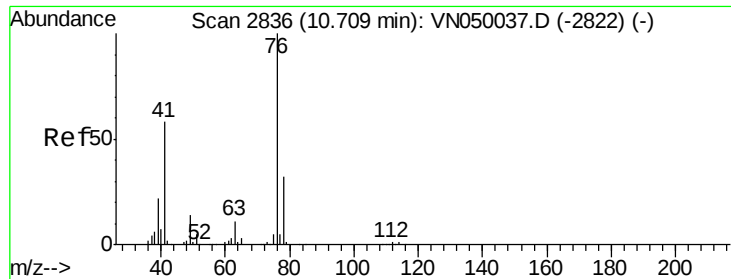
#51
 Ethyl methacrylate
 Concen: 19.109 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 69 Resp: 222938
 Ion Ratio Lower Upper
 69 100
 41 62.2 31.9 95.9
 39 32.7 16.7 50.1



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

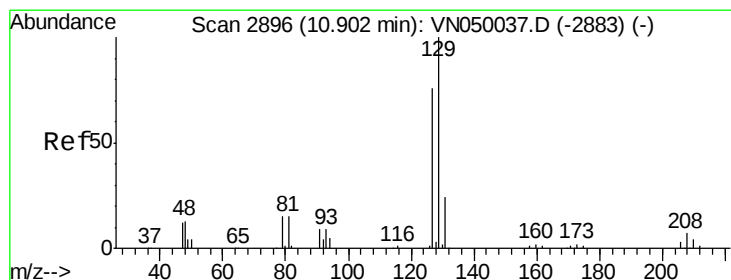
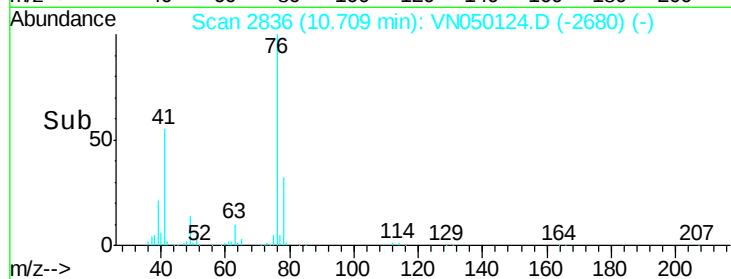
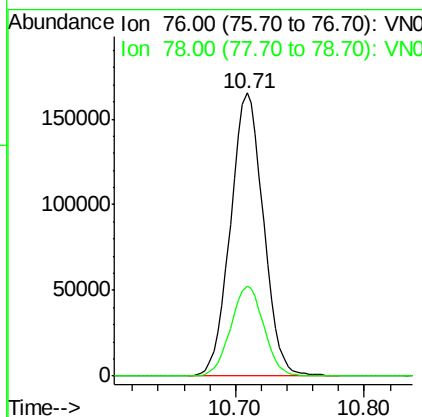
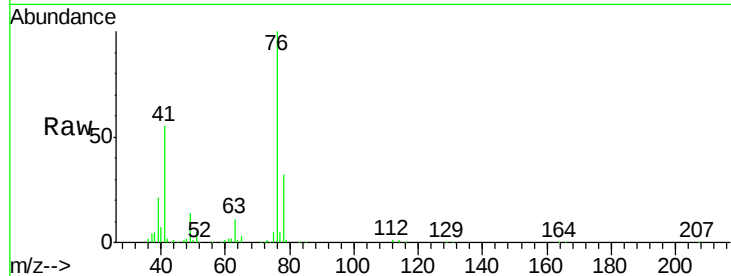




#52
 1,3-Dichloropropane
 Concen: 18.576 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

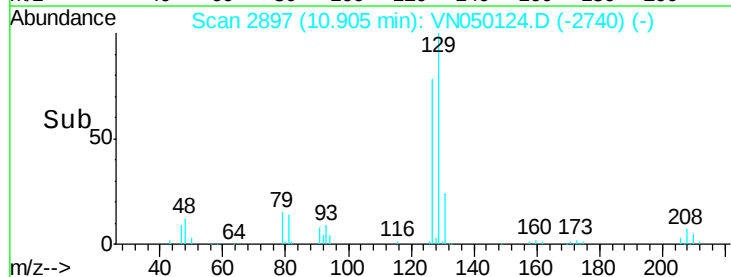
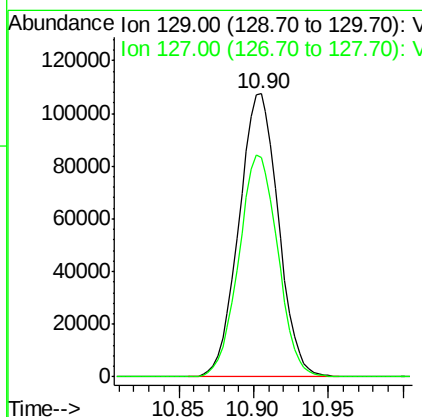
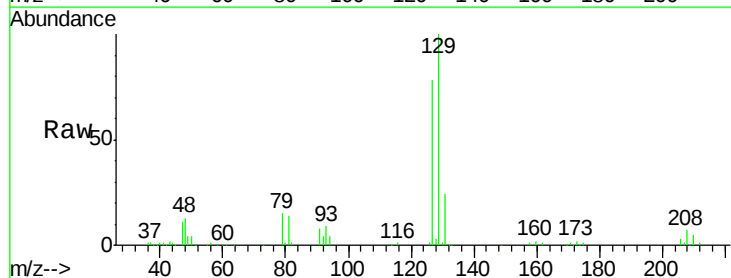
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

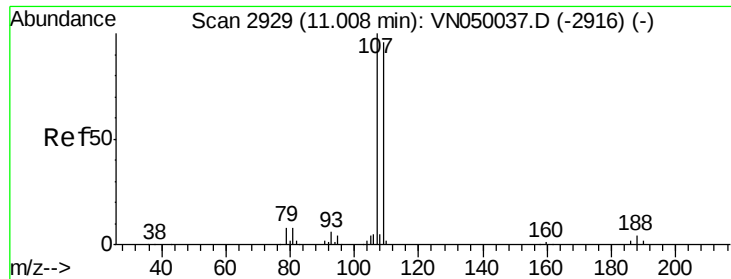
Tgt Ion: 76 Resp: 293213
 Ion Ratio Lower Upper
 76 100
 78 32.1 0.0 65.6



#53
 Dibromochloromethane
 Concen: 18.117 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 129 Resp: 197630
 Ion Ratio Lower Upper
 129 100
 127 77.5 38.1 114.5

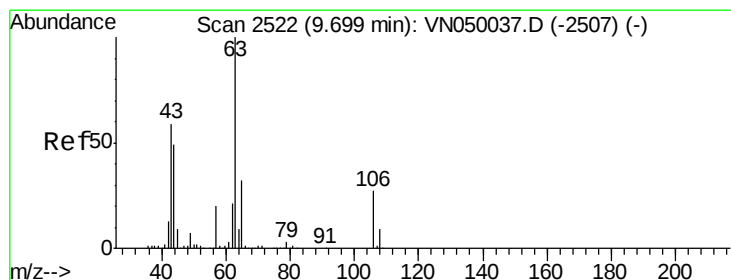
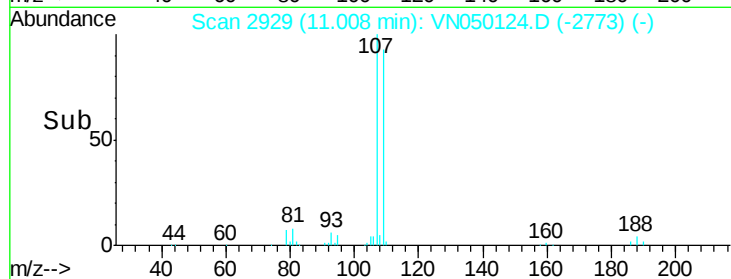
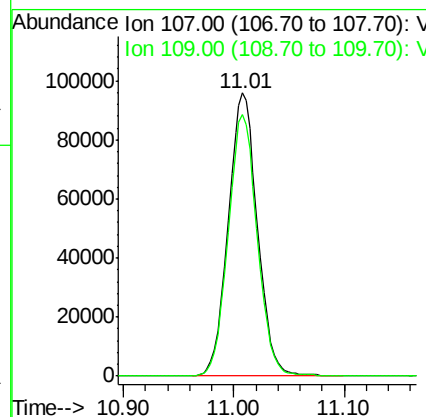
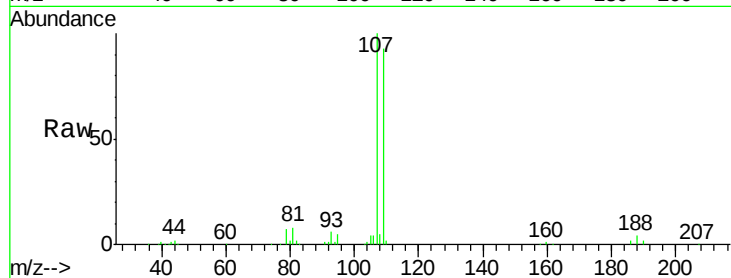




#54
 1,2-Dibromoethane
 Concen: 18.668 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

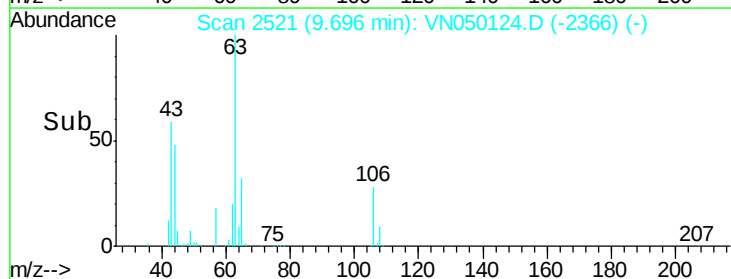
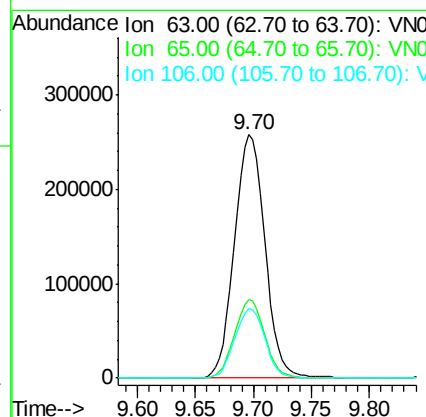
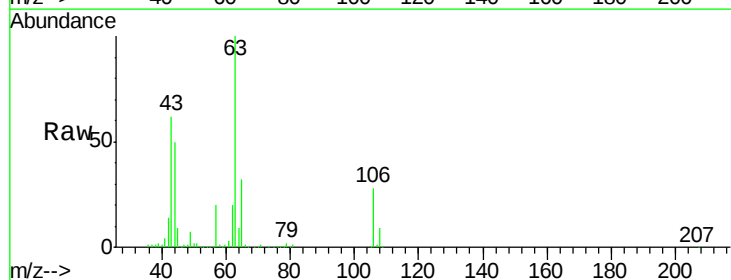
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

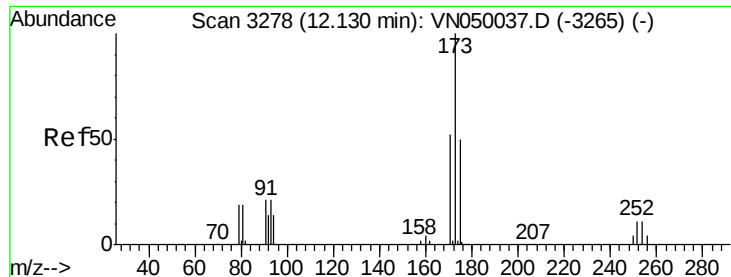
Tgt Ion: 107 Resp: 175733
 Ion Ratio Lower Upper
 107 100
 109 91.9 76.2 114.2



#55
 2-Chloroethyl vinyl ether
 Concen: 88.941 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 63 Resp: 469619
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.5 38.3
 106 28.3 21.8 32.6

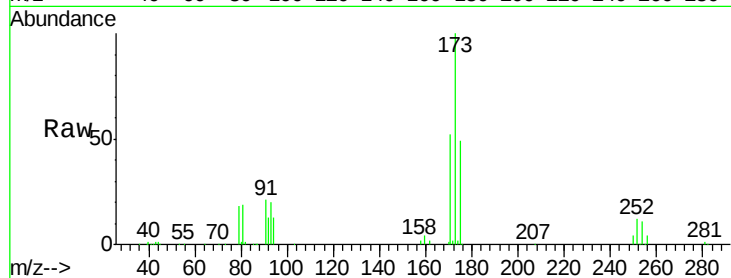




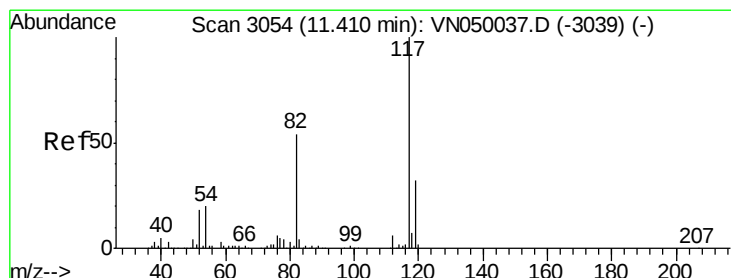
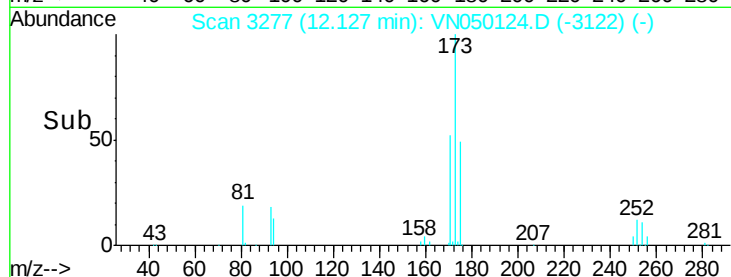
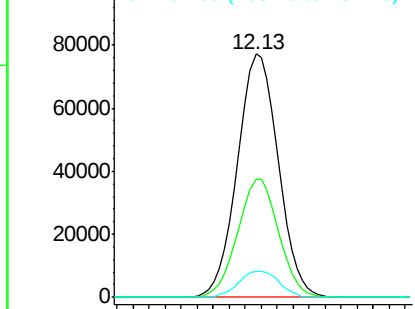
#56
Bromoform
Concen: 17.448 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:173 Resp: 134392
Ion Ratio Lower Upper
173 100
175 48.6 38.6 57.8
254 10.6 8.8 13.2

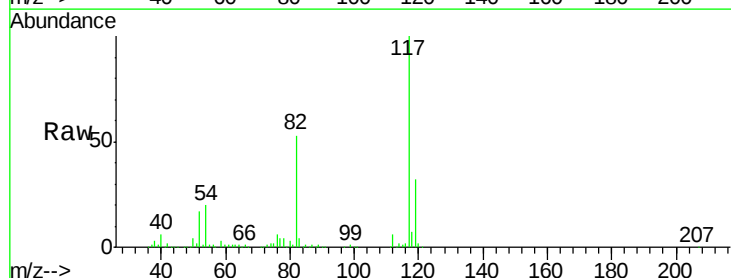


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

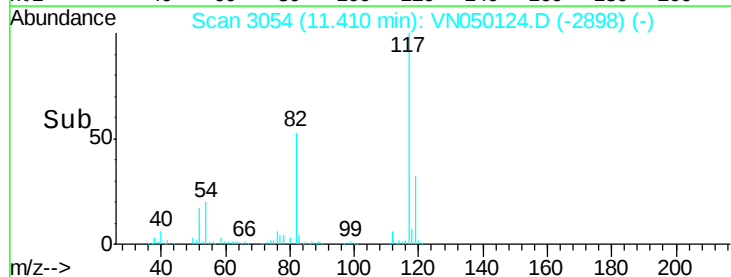
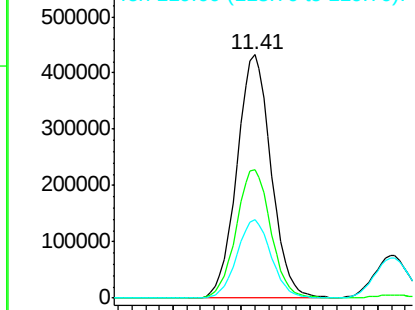


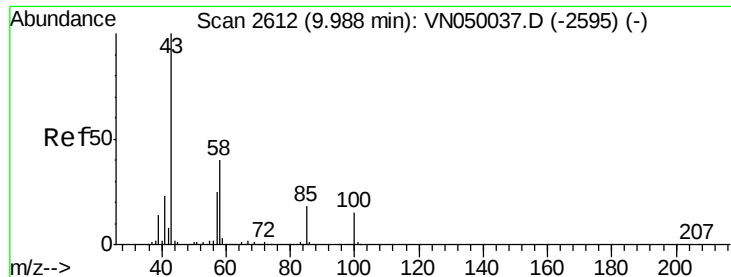
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion:117 Resp: 752444
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 32.4 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

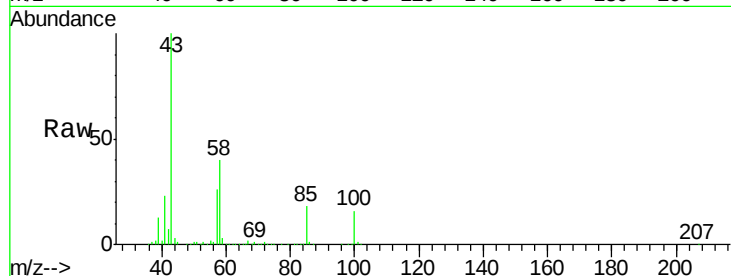




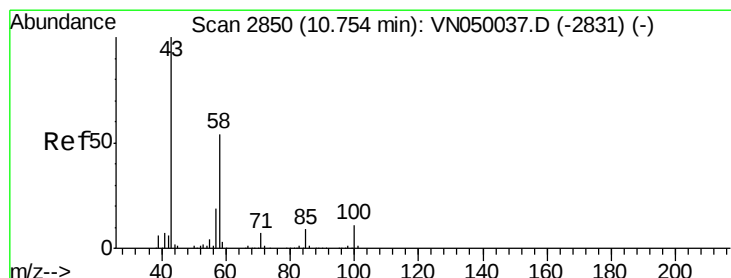
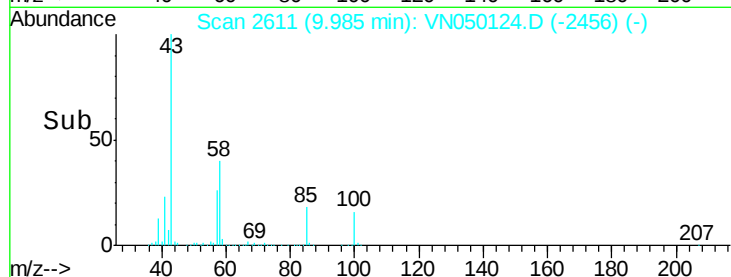
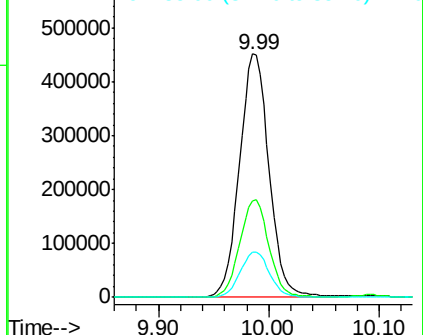
#58
 4-Methyl-2-Pentanone
 Concen: 95.393 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.2	46.8
85	18.8	14.4	21.6

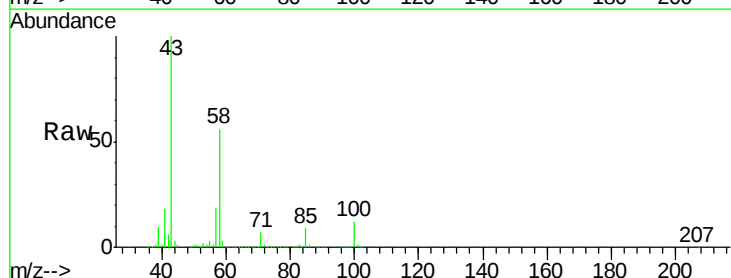


Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO
 Ion 85.00 (84.70 to 85.70): VNO

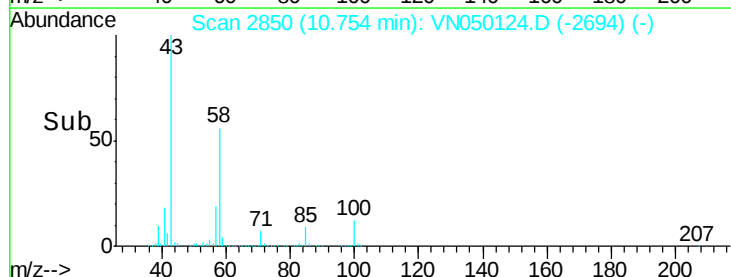
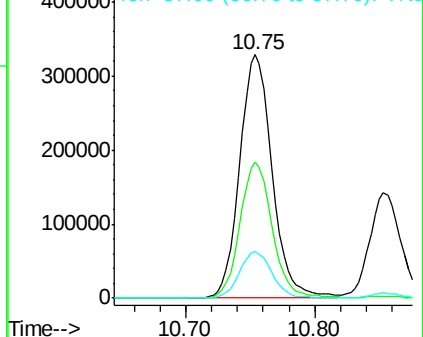


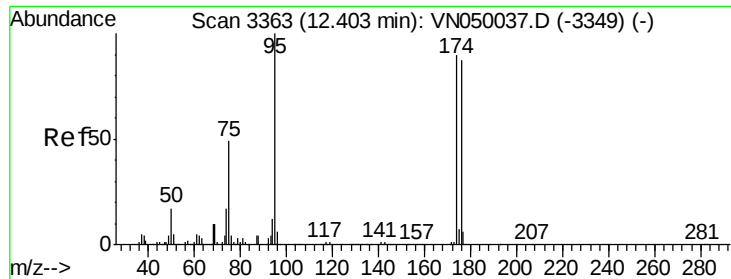
#59
 2-Hexanone
 Concen: 96.002 ug/l
 RT: 10.75 min Scan# 2850
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.8	65.8
57	19.2	15.1	22.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO
 Ion 57.00 (56.70 to 57.70): VNO





#60

4-Bromofluorobenzene

Concen: 29.947 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

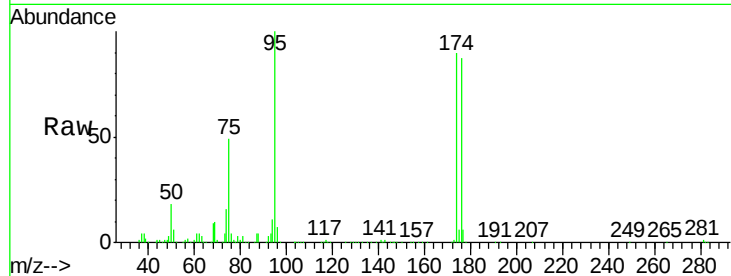
Tgt Ion: 95 Resp: 346183

Ion Ratio Lower Upper

95 100

174 90.0 72.3 108.5

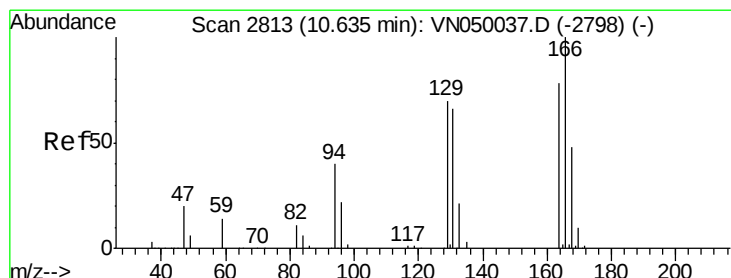
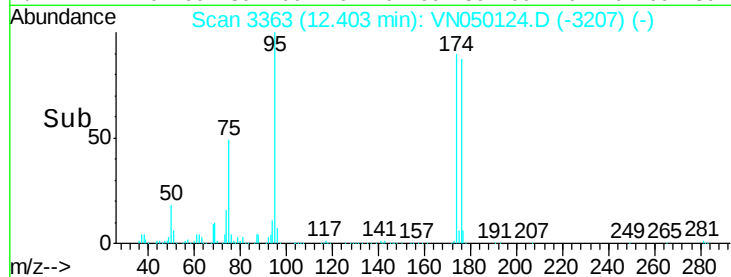
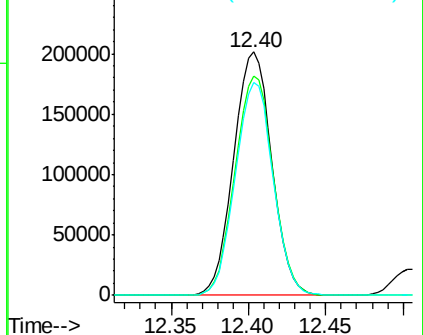
176 86.5 70.0 105.0



Abundance Ion 95.00 (94.70 to 95.70): VN050124.D (-3207) (-)

Ion 174.00 (173.70 to 174.70): VN050124.D (-3207) (-)

Ion 176.00 (175.70 to 176.70): VN050124.D (-3207) (-)



#61

Tetrachloroethene

Concen: 18.800 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Tgt Ion: 164 Resp: 191610

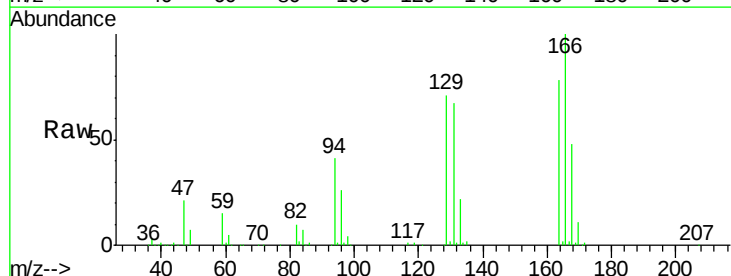
Ion Ratio Lower Upper

164 100

166 127.9 100.0 150.0

129 91.2 69.3 103.9

131 86.1 68.8 103.2

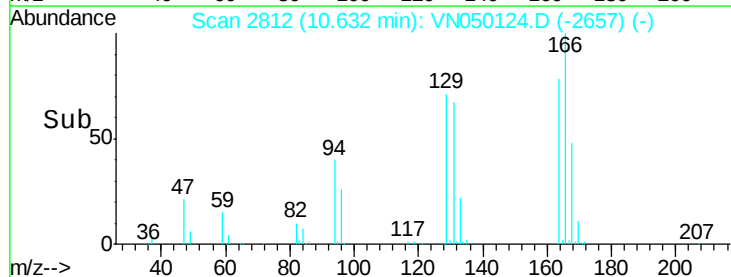
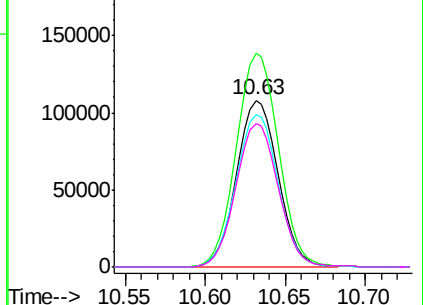


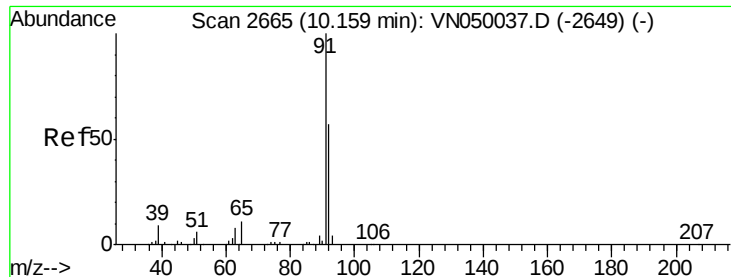
Abundance Ion 163.85 (163.55 to 164.55): VN050124.D (-2657) (-)

Ion 165.80 (165.50 to 166.50): VN050124.D (-2657) (-)

Ion 128.90 (128.60 to 129.60): VN050124.D (-2657) (-)

Ion 130.90 (130.60 to 131.60): VN050124.D (-2657) (-)





#62

Toluene

Concen: 19.382 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampled :

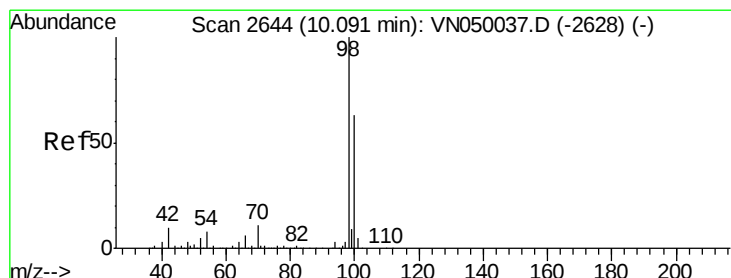
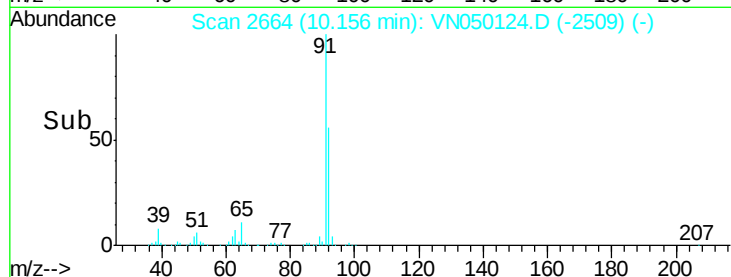
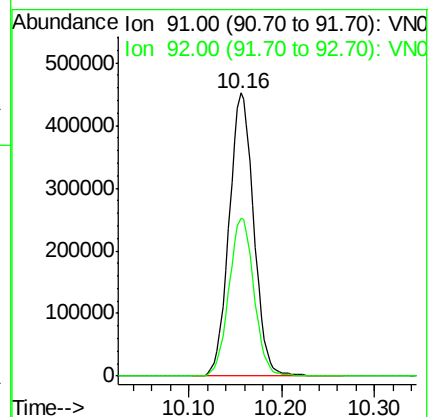
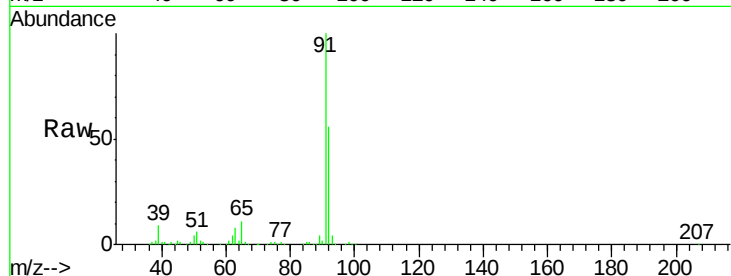
VSTDCCC020

Tgt Ion: 91 Resp: 832071

Ion Ratio Lower Upper

91 100

92 56.9 45.7 68.5



#63

Toluene-d8

Concen: 29.265 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050124.D

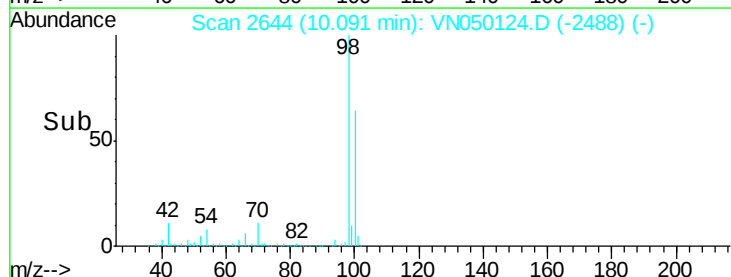
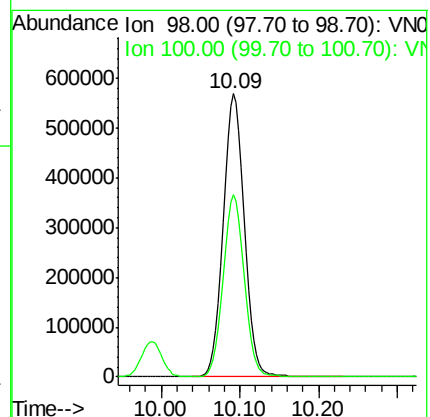
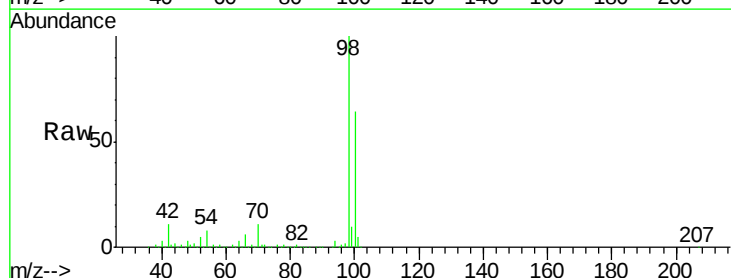
Acq: 27 Jul 2018 11:08

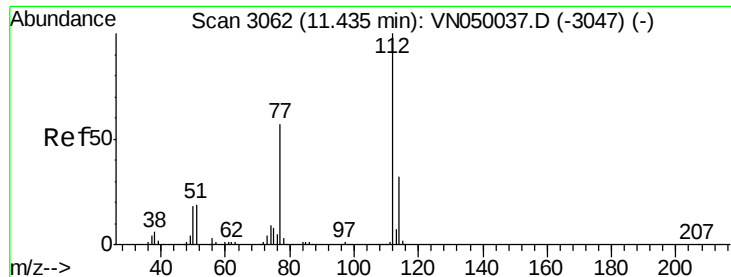
Tgt Ion: 98 Resp: 1051791

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8

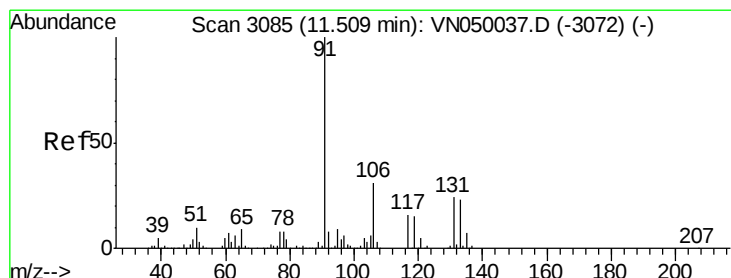
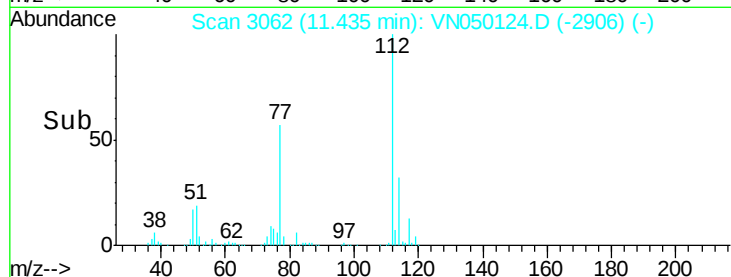
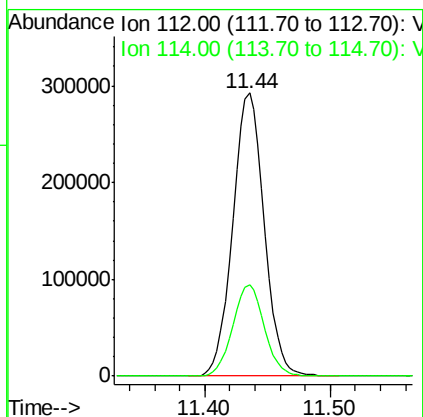
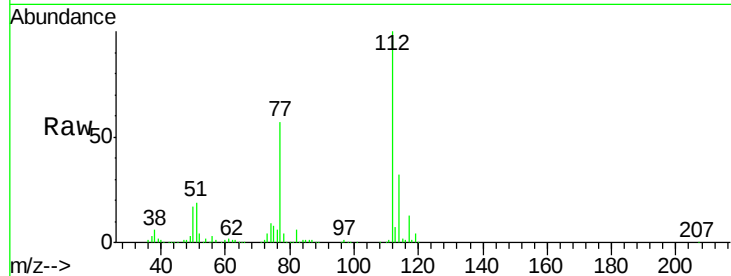




#64
Chlorobenzene
Concen: 19.528 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

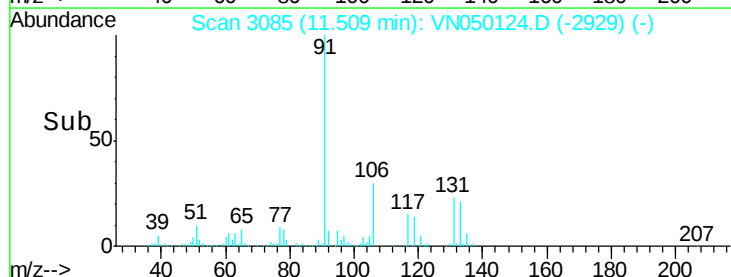
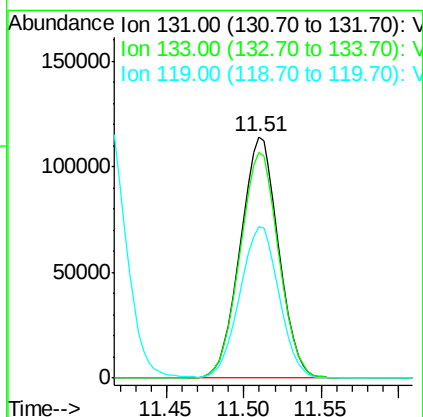
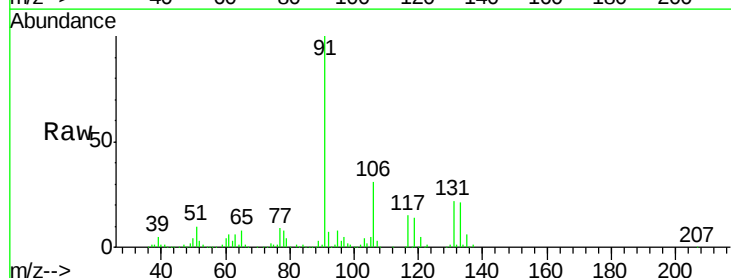
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

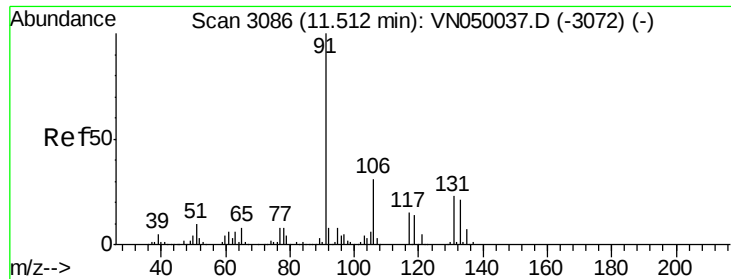
Tgt Ion:112 Resp: 508369
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.2



#65
1,1,1,2-Tetrachloroethane
Concen: 19.352 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion:131 Resp: 196499
Ion Ratio Lower Upper
131 100
133 95.2 0.0 190.0
119 64.3 0.0 131.6





#66

Ethyl Benzene

Concen: 20.021 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

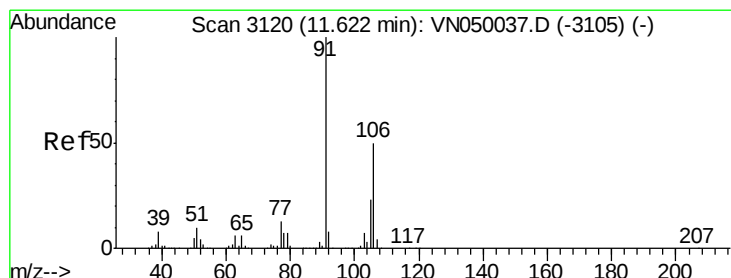
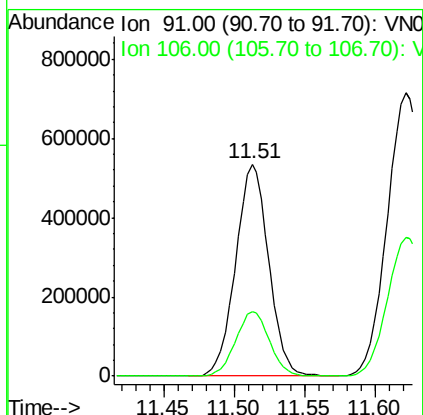
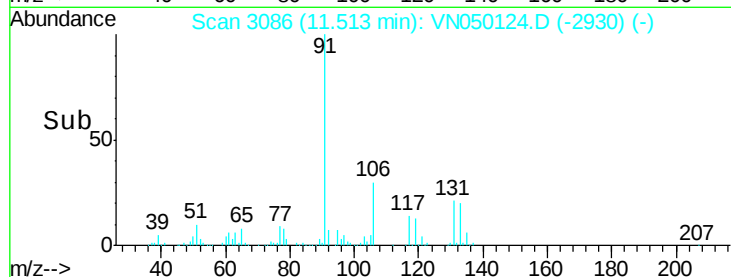
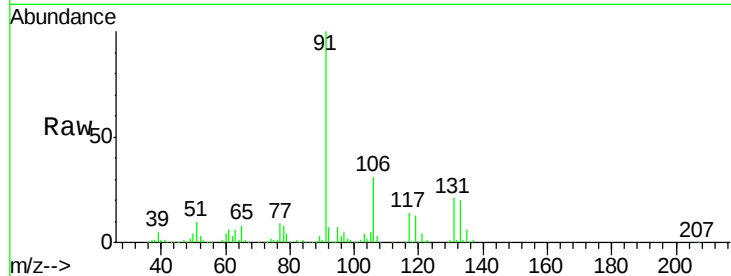
VSTDCCC020

Tgt Ion: 91 Resp: 878373

Ion Ratio Lower Upper

91 100

106 30.7 25.1 37.7



#67

m/p-Xylenes

Concen: 39.946 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050124.D

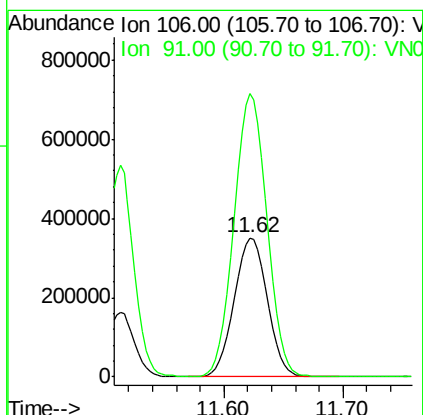
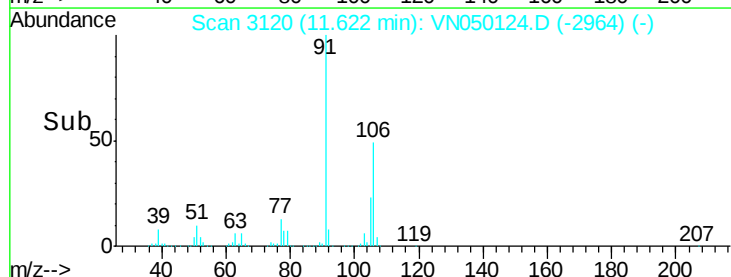
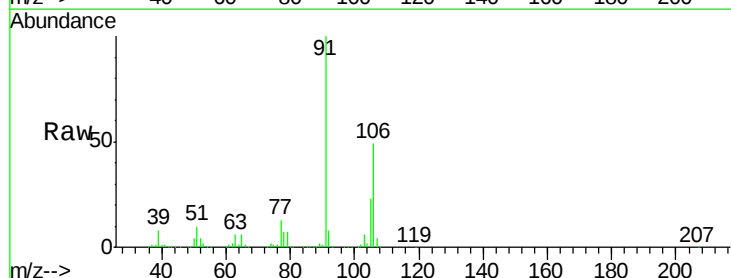
Acq: 27 Jul 2018 11:08

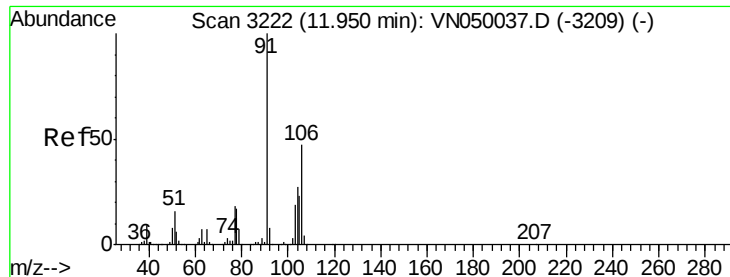
Tgt Ion: 106 Resp: 674423

Ion Ratio Lower Upper

106 100

91 202.6 162.5 243.7

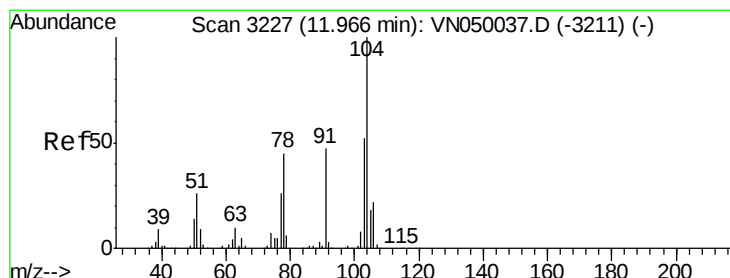
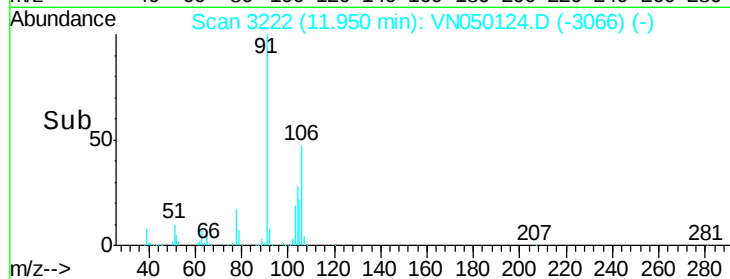
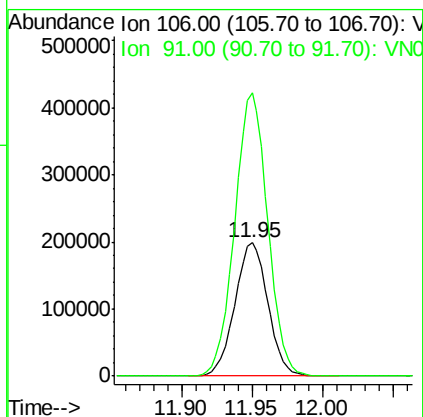
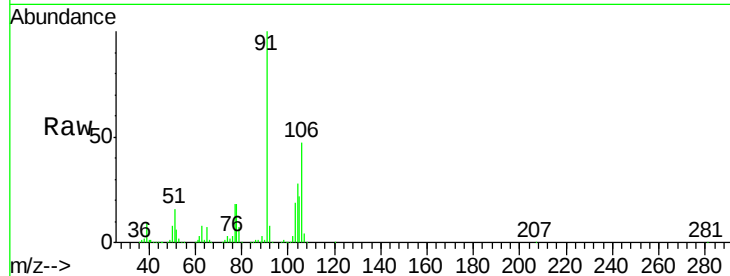




#68
o-Xylene
Concen: 20.319 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

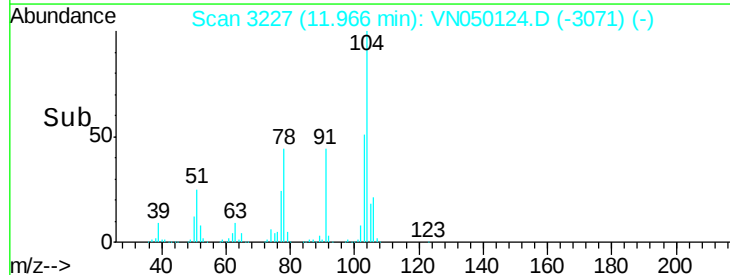
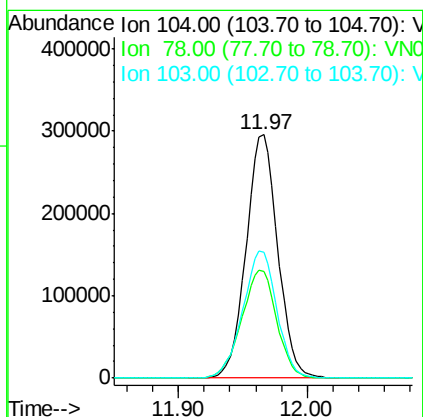
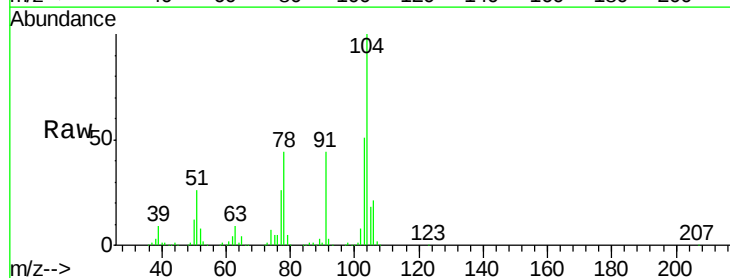
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

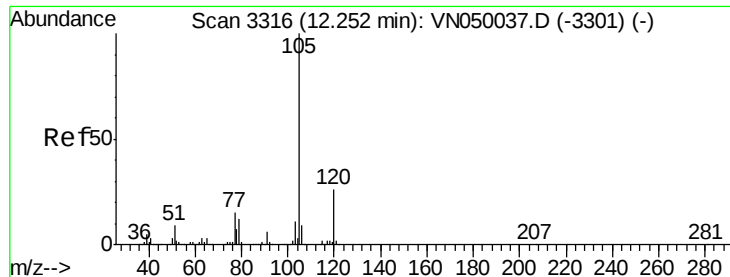
Tgt Ion:106 Resp: 326395
Ion Ratio Lower Upper
106 100
91 211.9 106.8 320.4



#69
Styrene
Concen: 19.615 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion:104 Resp: 505124
Ion Ratio Lower Upper
104 100
78 49.3 39.3 58.9
103 56.3 44.5 66.7





#70

Isopropylbenzene

Concen: 20.563 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

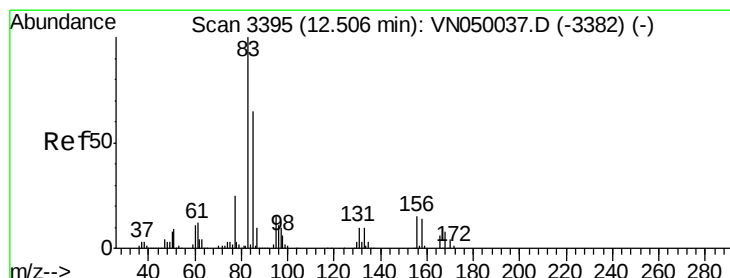
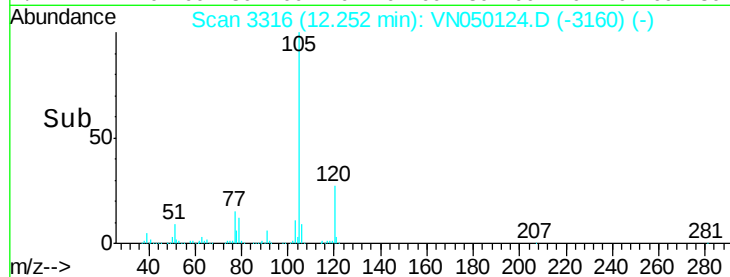
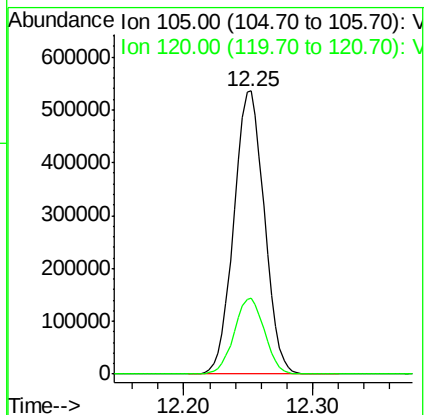
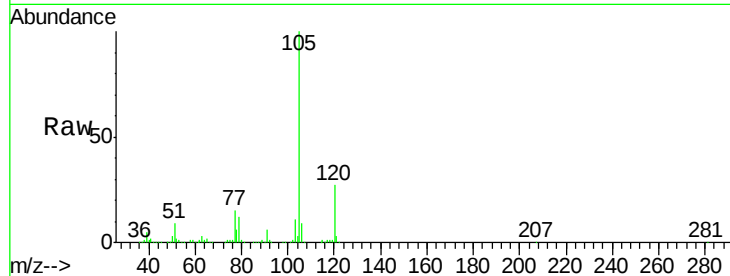
VSTDCCC020

Tgt Ion:105 Resp: 879732

Ion Ratio Lower Upper

105 100

120 26.7 18.9 35.1



#71

1,1,2,2-Tetrachloroethane

Concen: 18.605 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

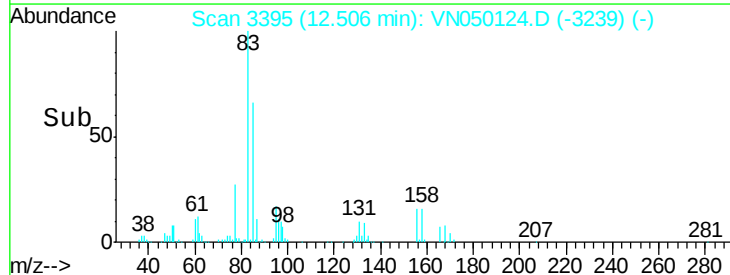
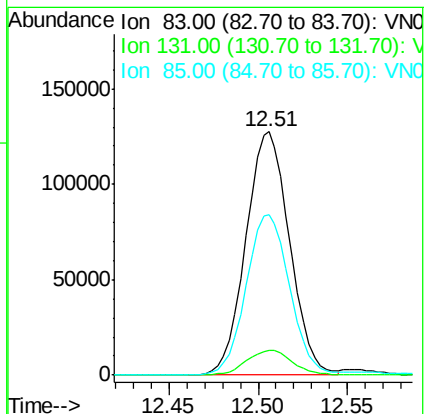
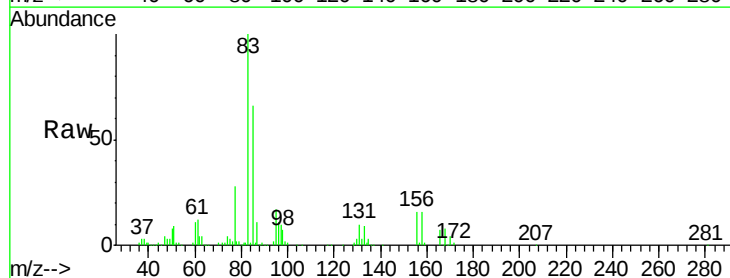
Tgt Ion: 83 Resp: 218541

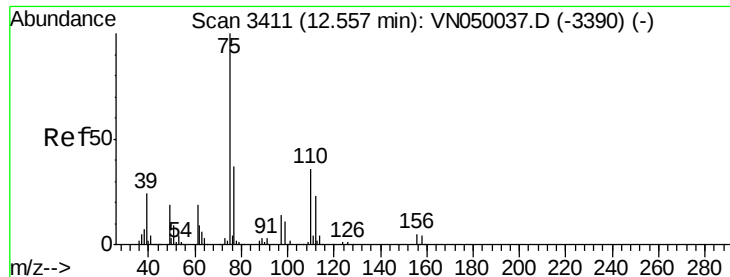
Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

85 65.7 31.7 95.1





#72

1,2,3-Trichloropropane

Concen: 26.139 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

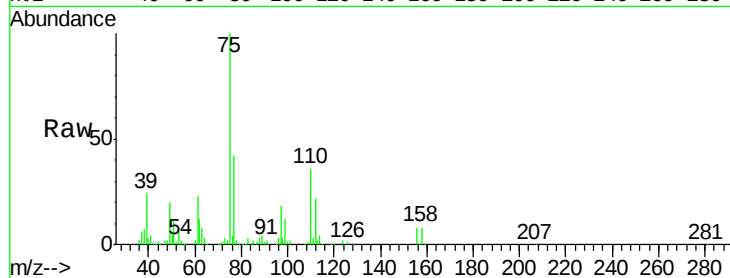
VSTDCCC020

Tgt Ion: 75 Resp: 262239

Ion Ratio Lower Upper

75 100

77 149.8 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-3390) (-)

Ion 77.00 (76.70 to 77.70): VN050037.D (-3390) (-)

12.55

200000

150000

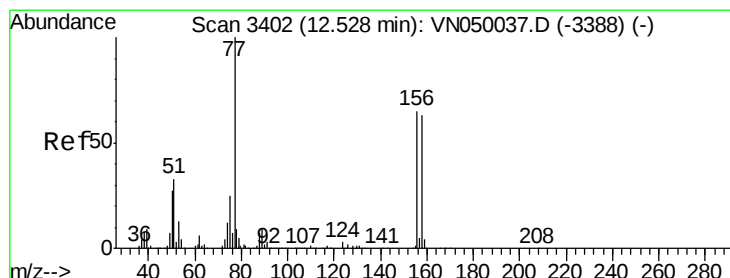
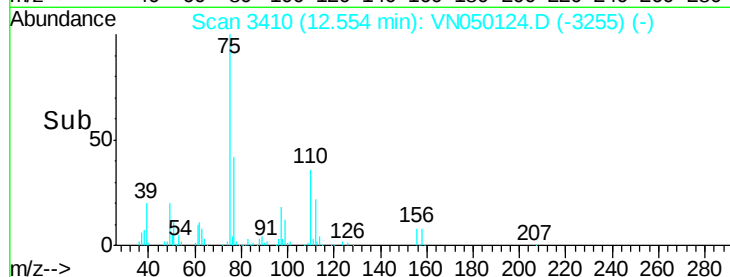
100000

50000

0

12.50 12.55 12.60

Time-->



#73

Bromobenzene

Concen: 19.297 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

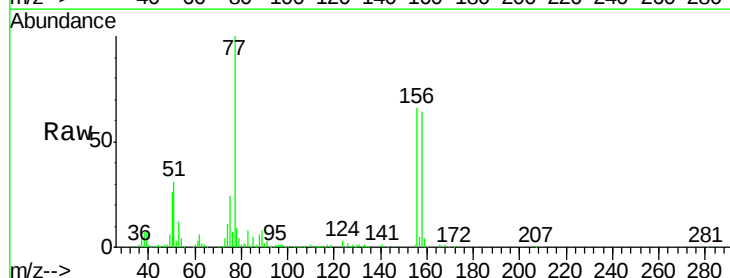
Tgt Ion: 156 Resp: 219918

Ion Ratio Lower Upper

156 100

77 178.7 0.0 359.8

158 97.0 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): VN050037.D (-3388) (-)

Ion 77.00 (76.70 to 77.70): VN050037.D (-3388) (-)

Ion 158.00 (157.70 to 158.70): VN050037.D (-3388) (-)

12.53

250000

200000

150000

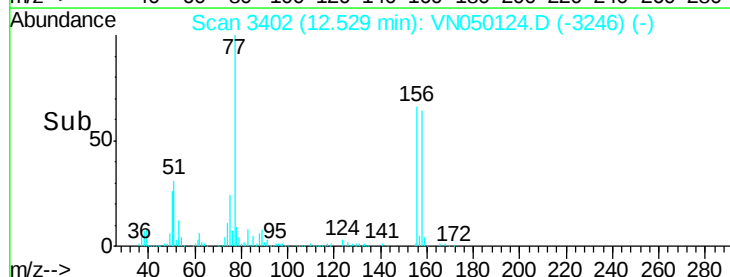
100000

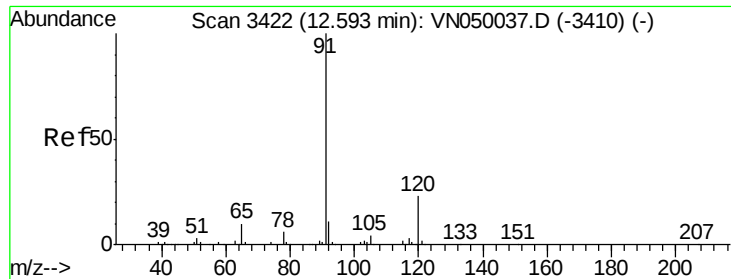
50000

0

12.45 12.50 12.55 12.60

Time-->





#74

n-propylbenzene

Concen: 19.932 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

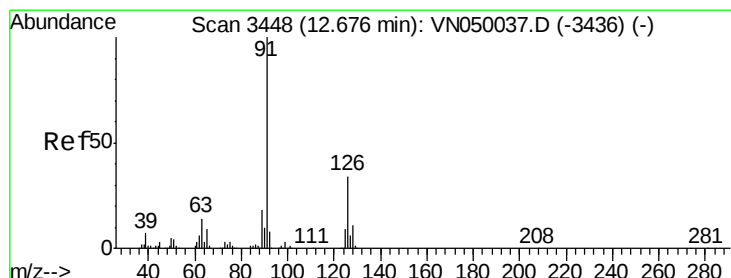
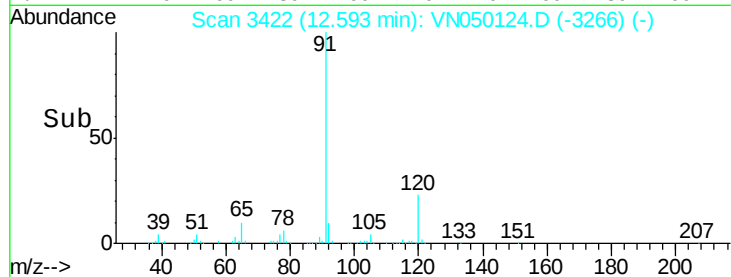
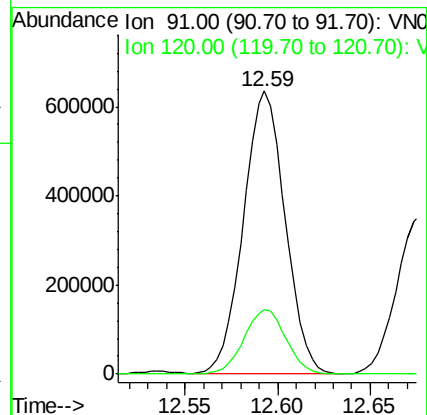
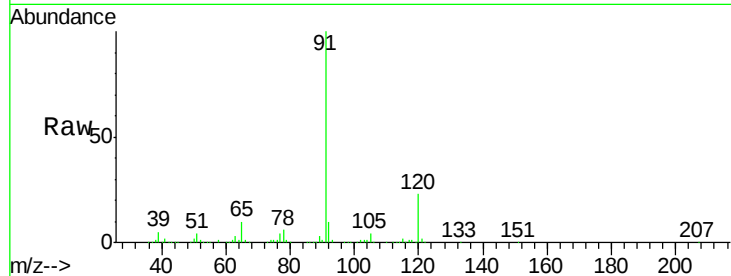
VSTDCCC020

Tgt Ion: 91 Resp: 993135

Ion Ratio Lower Upper

91 100

120 22.9 0.0 46.4



#75

2-Chlorotoluene

Concen: 19.691 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050124.D

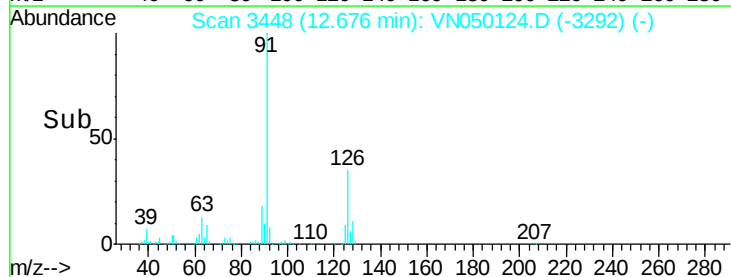
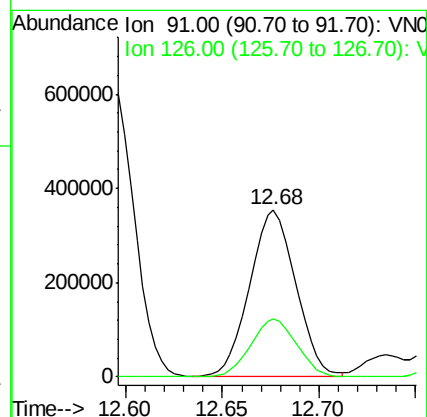
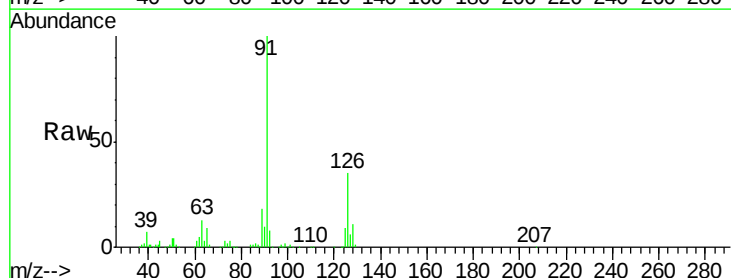
Acq: 27 Jul 2018 11:08

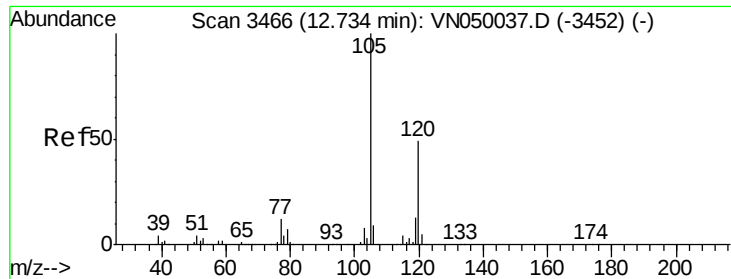
Tgt Ion: 91 Resp: 589284

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.6

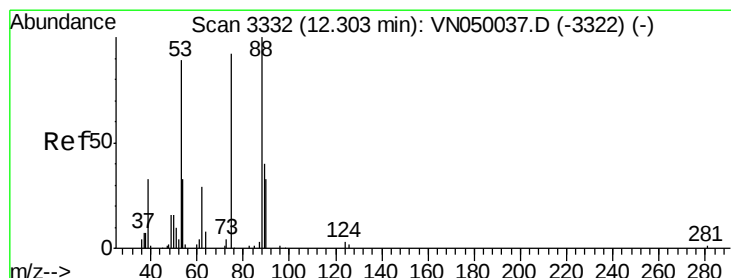
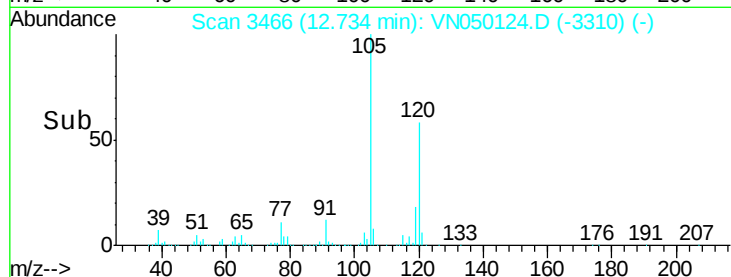
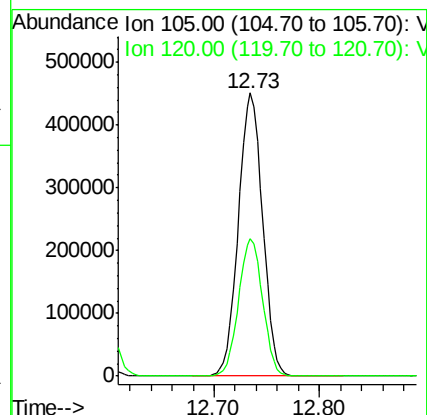
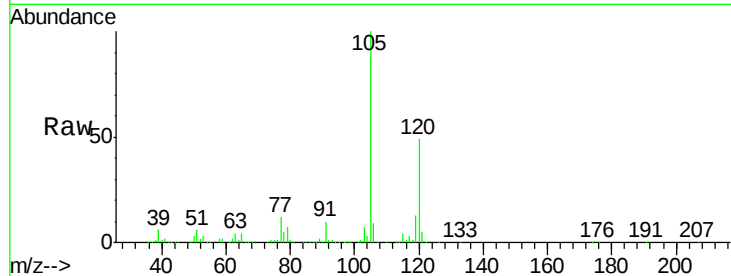




#76
 1,3,5-Trimethylbenzene
 Concen: 20.432 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

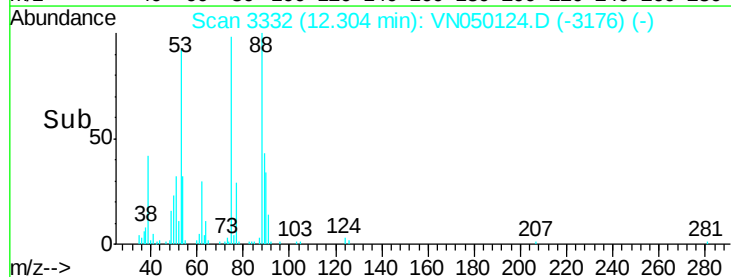
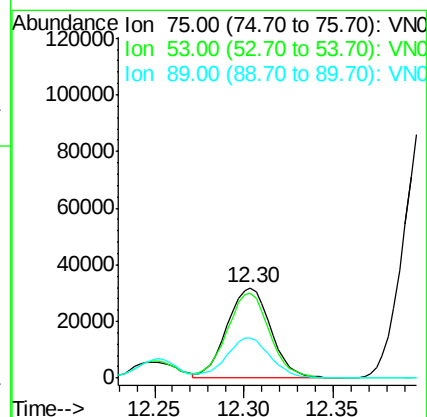
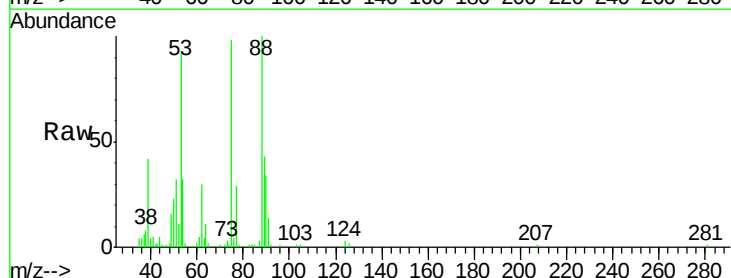
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

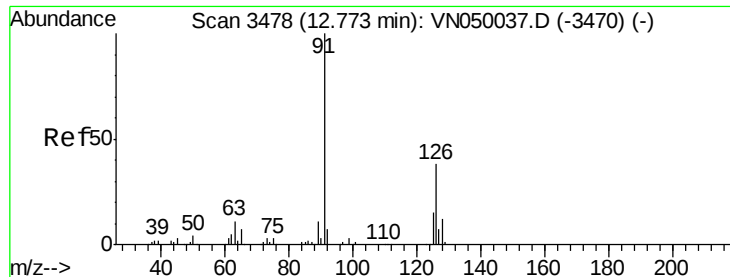
Tgt Ion: 105 Resp: 717969
 Ion Ratio Lower Upper
 105 100
 120 48.1 0.0 98.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 16.717 ug/l
 RT: 12.30 min Scan# 3332
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 75 Resp: 54830
 Ion Ratio Lower Upper
 75 100
 53 94.4 44.6 134.0
 89 44.8 20.7 62.1





#78

4-Chlorotoluene

Concen: 19.488 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

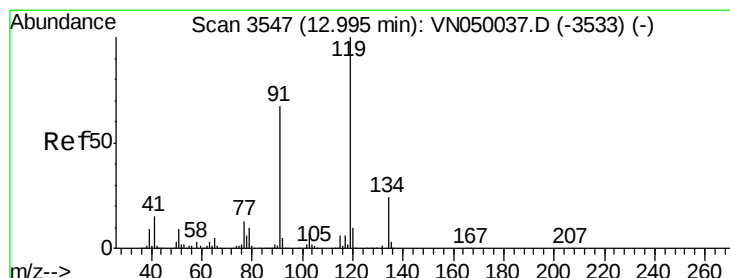
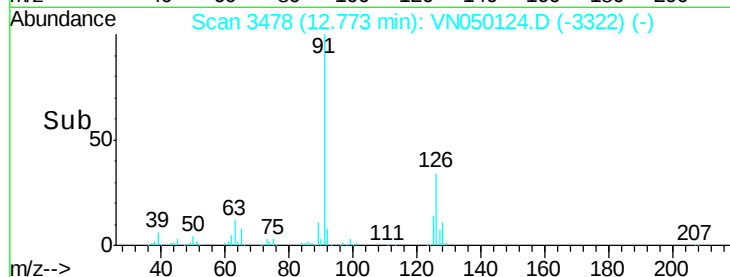
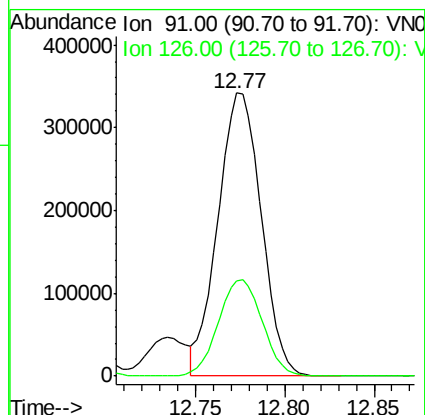
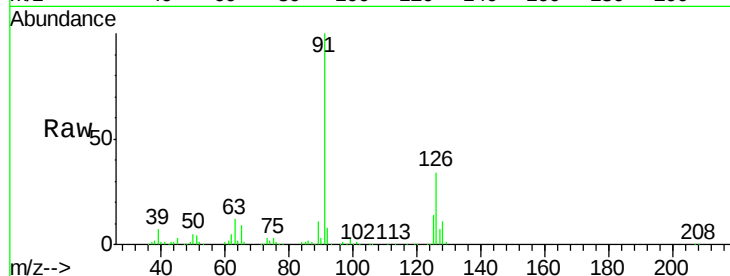
VSTDCCC020

Tgt Ion: 91 Resp: 577951

Ion Ratio Lower Upper

91 100

126 34.4 0.0 68.4



#79

tert-butylbenzene

Concen: 20.602 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

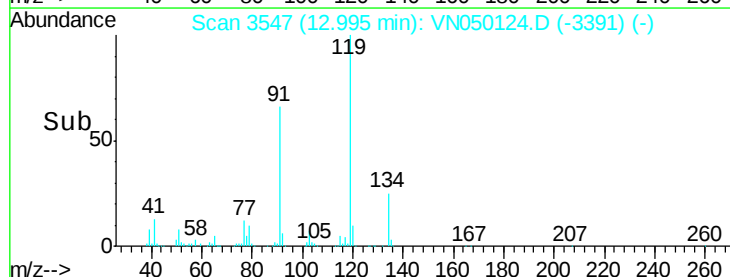
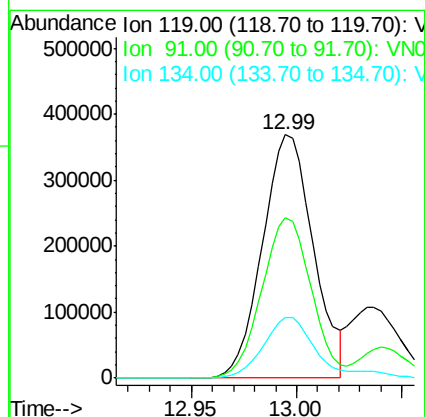
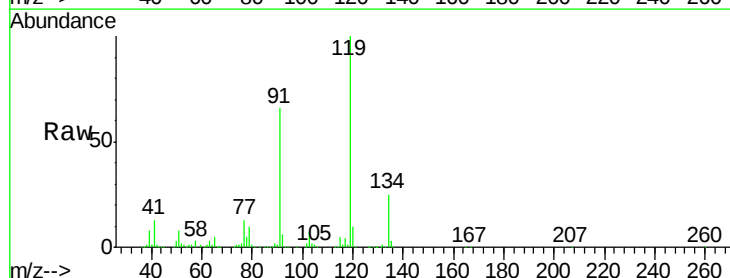
Tgt Ion: 119 Resp: 618915

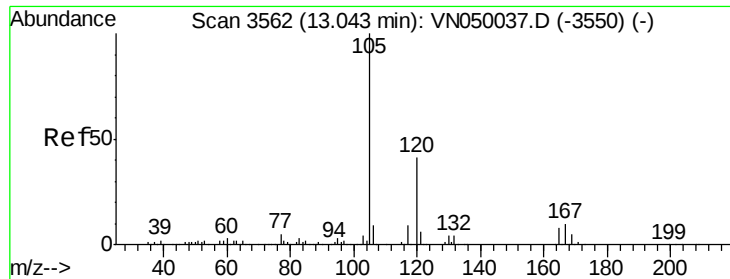
Ion Ratio Lower Upper

119 100

91 64.4 0.0 126.8

134 24.3 0.0 47.4

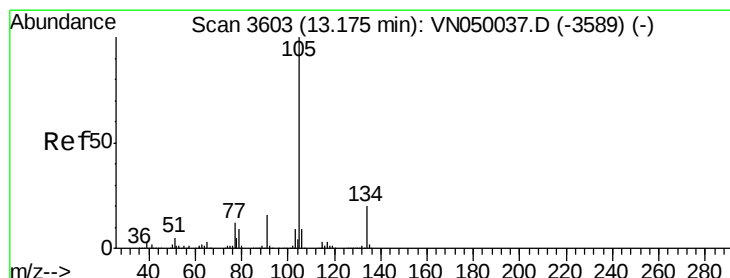
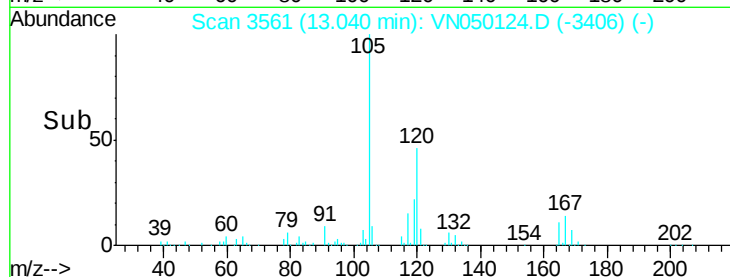
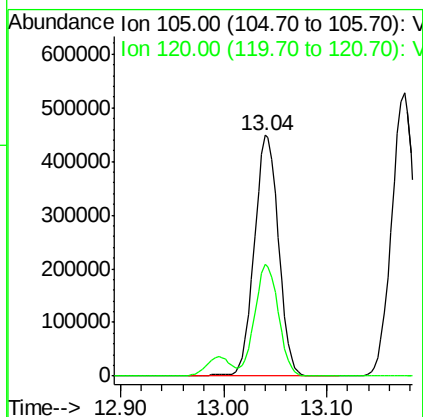
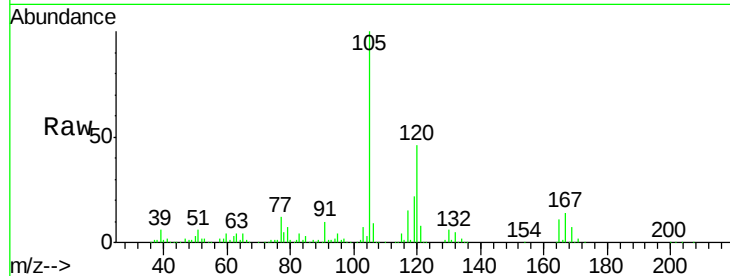




#80
1,2,4-Trimethylbenzene
Concen: 20.449 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

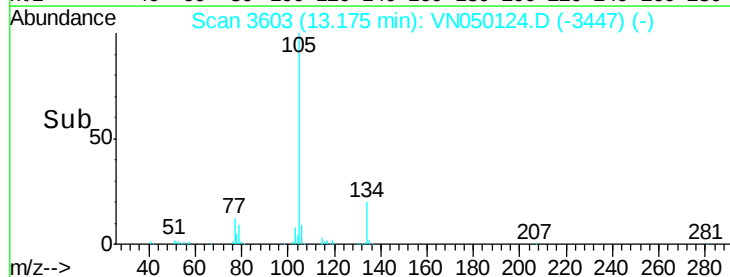
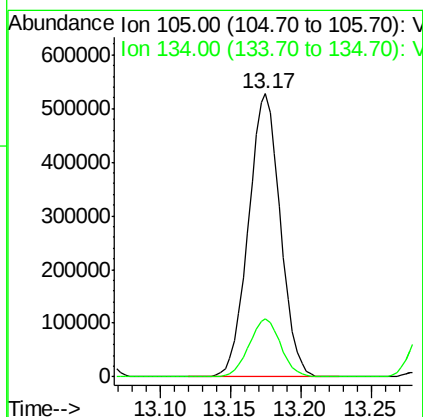
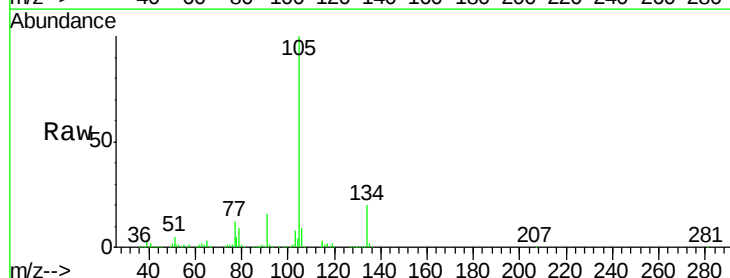
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

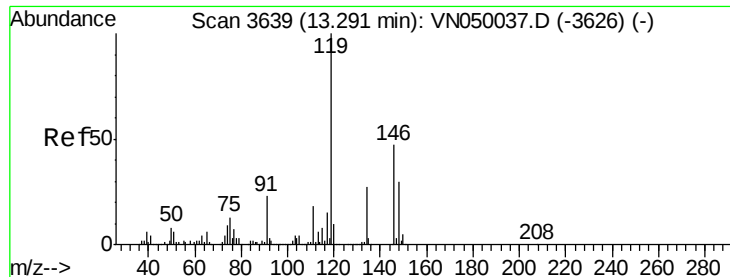
Tgt Ion:105 Resp: 728030
Ion Ratio Lower Upper
105 100
120 45.3 0.0 90.6



#81
sec-Butylbenzene
Concen: 20.403 ug/l
RT: 13.17 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion:105 Resp: 832673
Ion Ratio Lower Upper
105 100
134 20.2 0.0 40.6

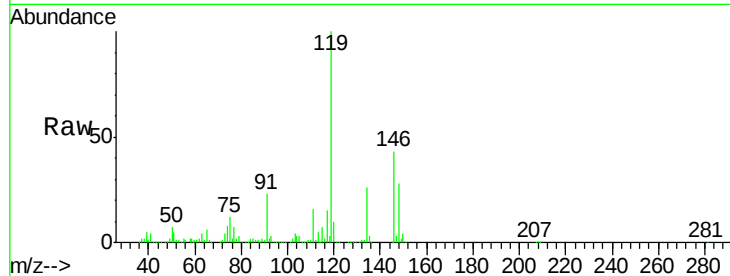




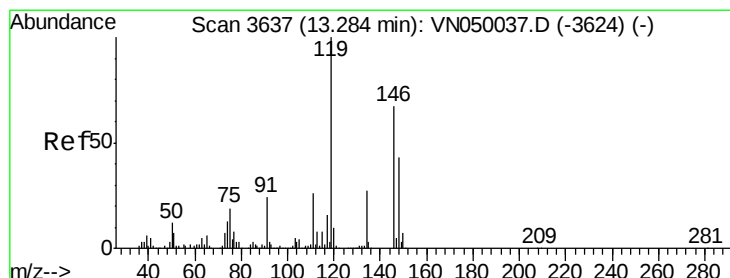
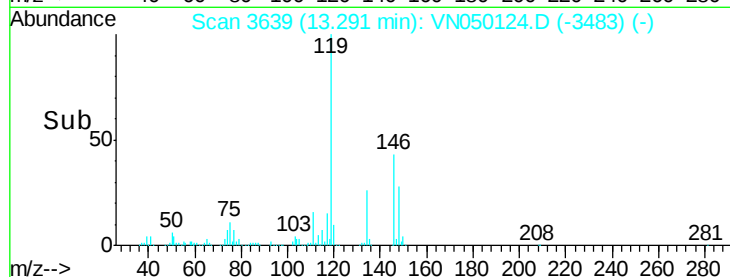
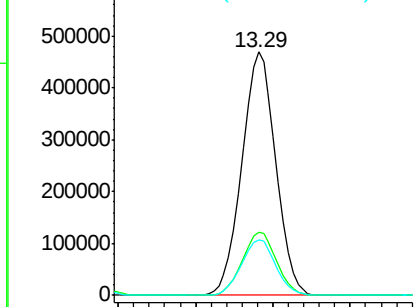
#82
p-Isopropyltoluene
Concen: 20.457 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:119 Resp: 712327
Ion Ratio Lower Upper
119 100
134 26.2 0.0 52.2
91 23.1 0.0 45.6

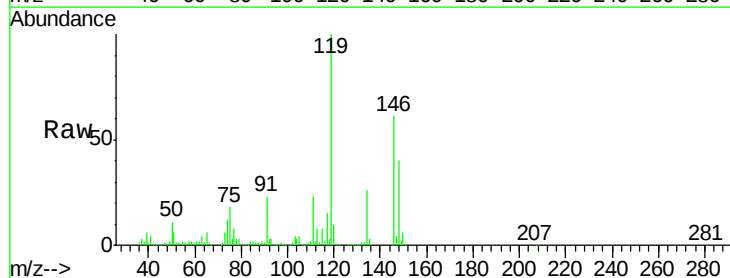


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

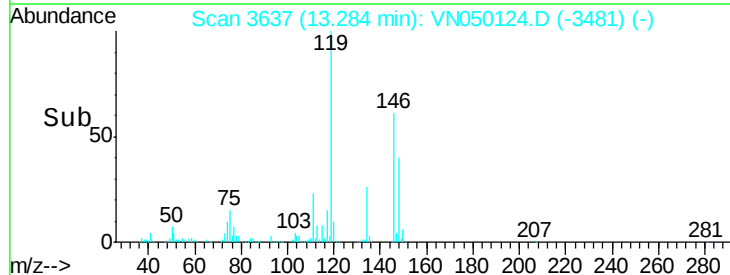
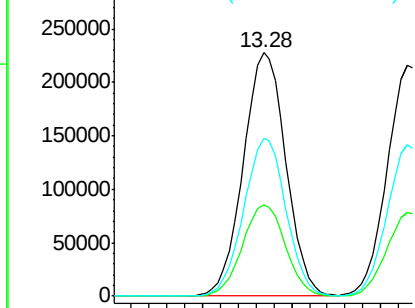


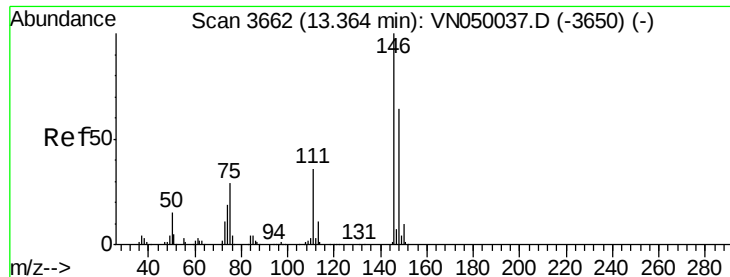
#83
1,3-Dichlorobenzene
Concen: 19.103 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion:146 Resp: 379080
Ion Ratio Lower Upper
146 100
111 37.8 19.1 57.1
148 64.4 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

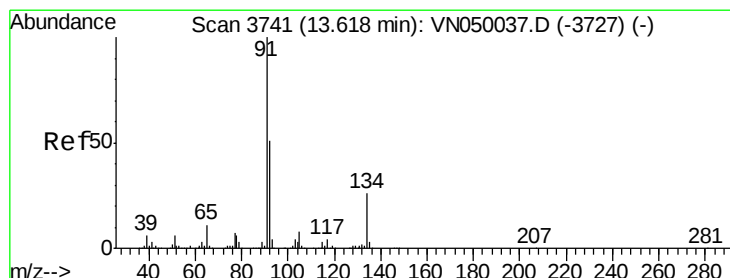
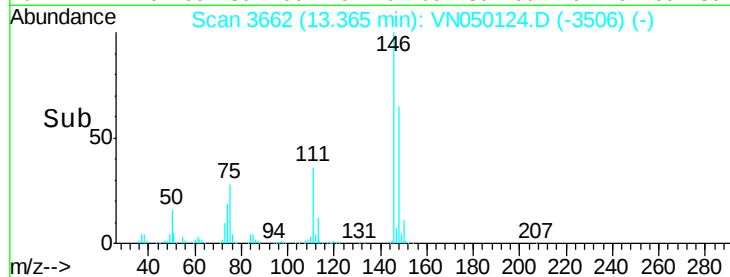
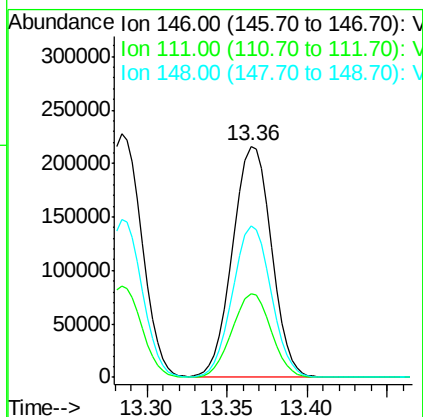
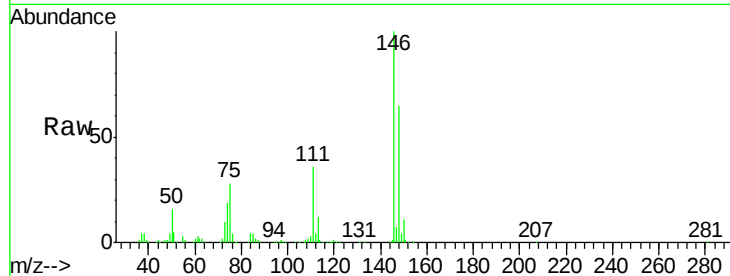




#84
 1,4-Dichlorobenzene
 Concen: 19.092 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

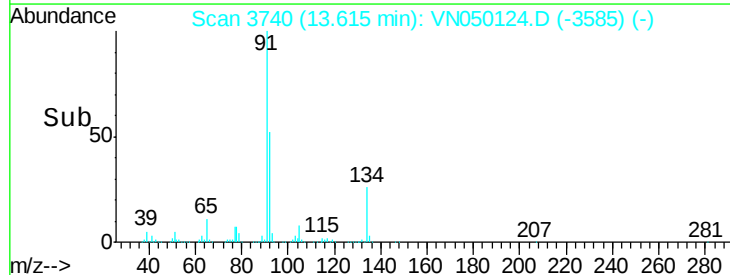
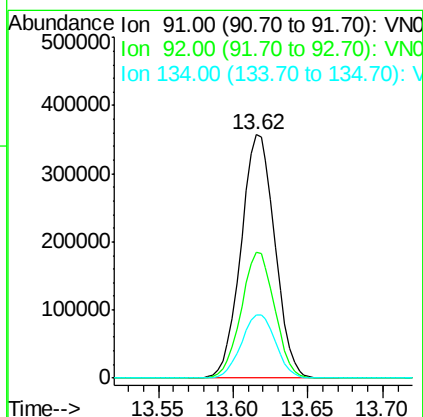
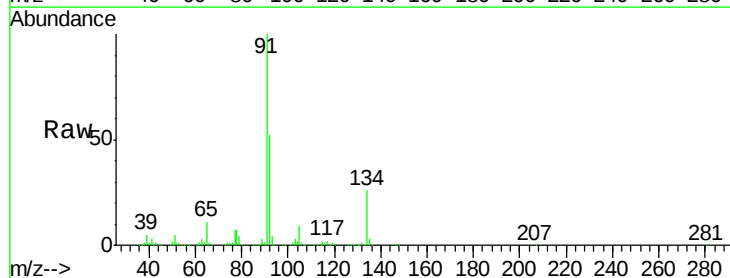
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

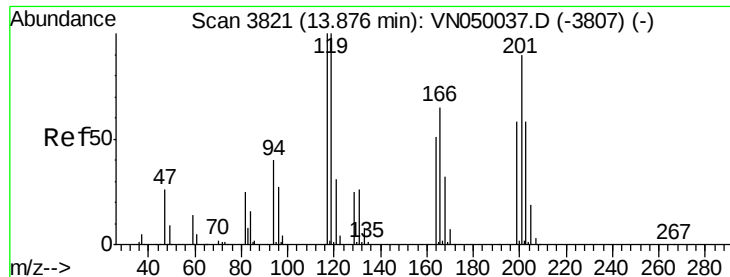
Tgt Ion:146 Resp: 358020
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.9 53.8
 148 65.2 32.4 97.0



#85
 n-Butylbenzene
 Concen: 19.923 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Tgt Ion: 91 Resp: 563031
 Ion Ratio Lower Upper
 91 100
 92 51.0 0.0 102.8
 134 26.3 0.0 51.0

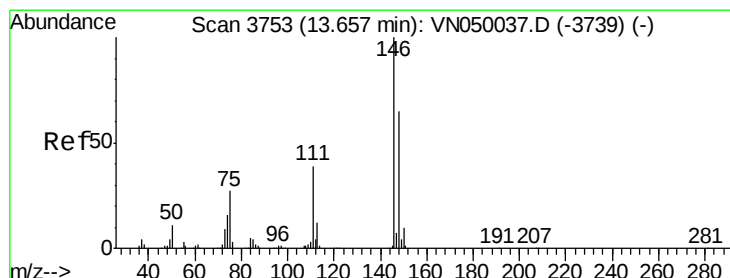
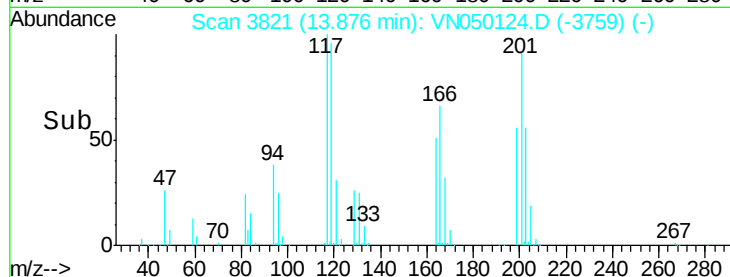
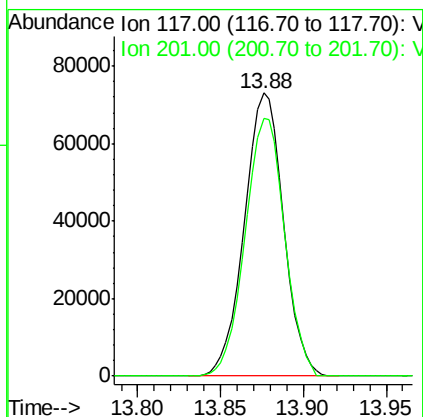
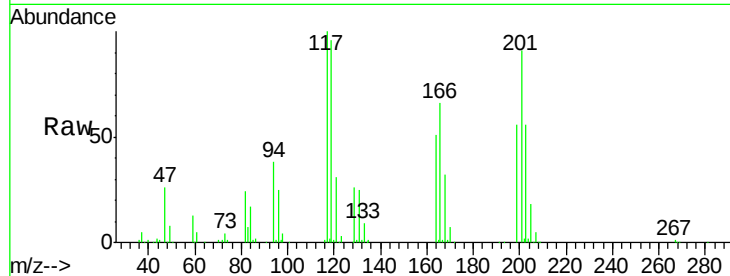




#86
Hexachloroethane
Concen: 17.306 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

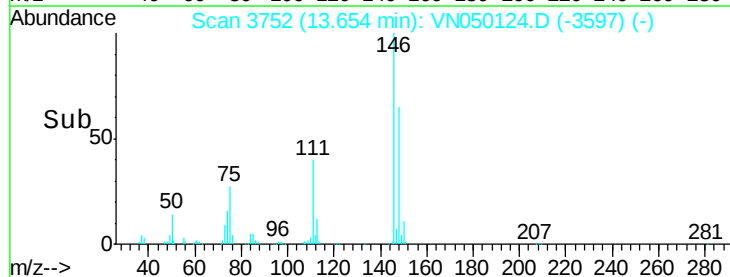
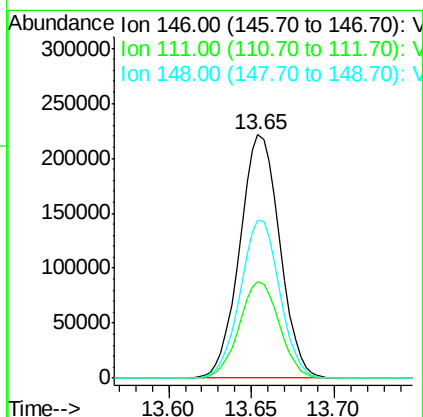
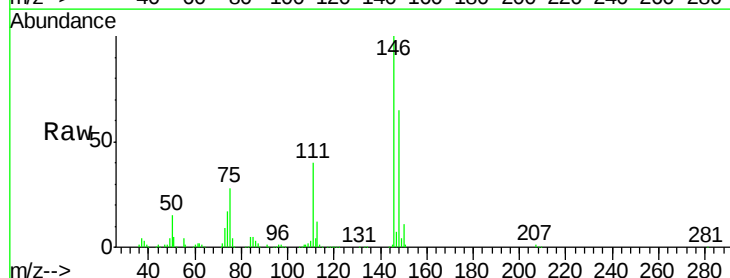
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

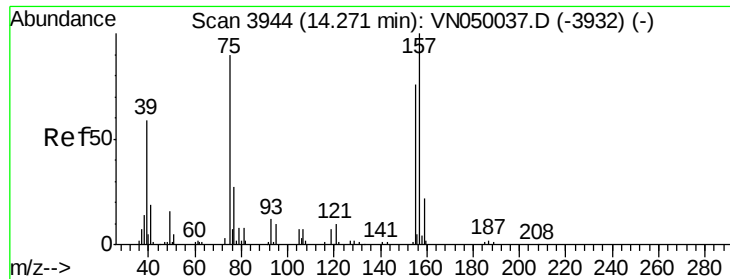
Tgt Ion:117 Resp: 120422
Ion Ratio Lower Upper
117 100
201 91.6 46.6 139.7



#87
1,2-Dichlorobenzene
Concen: 19.154 ug/l
RT: 13.65 min Scan# 3752
Delta R.T. -0.00 min
Lab File: VN050124.D
Acq: 27 Jul 2018 11:08

Tgt Ion:146 Resp: 371525
Ion Ratio Lower Upper
146 100
111 39.6 19.8 59.3
148 64.0 31.8 95.3





#88

1,2-Dibromo-3-Chloropropane

Concen: 18.663 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

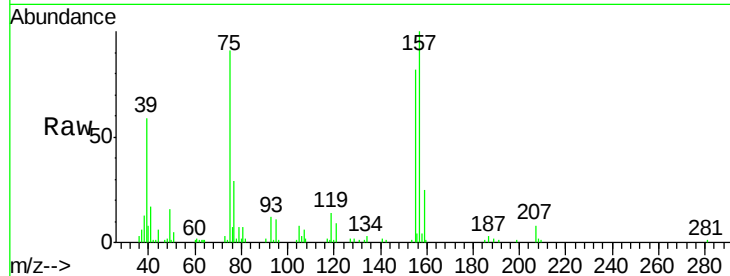
Tgt Ion: 75 Resp: 34150

Ion Ratio Lower Upper

75 100

155 91.2 73.0 109.6

157 117.9 94.9 142.3



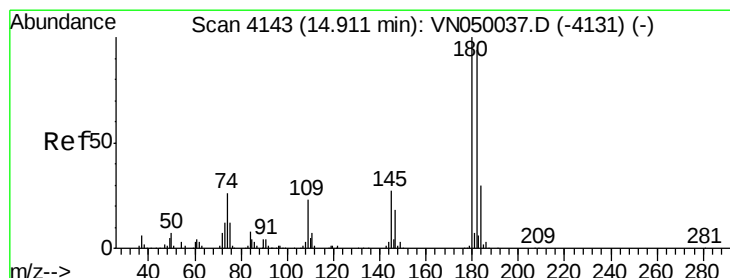
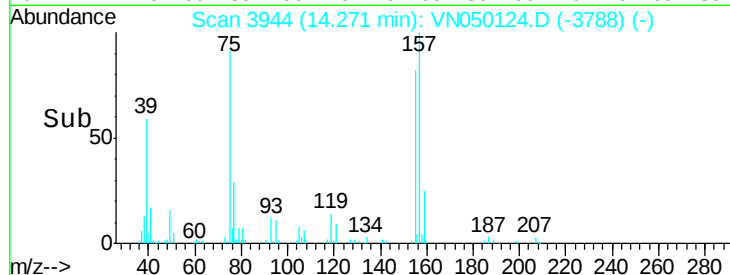
Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-3932) (-)

Ion 155.00 (154.70 to 155.70): VN050037.D (-3932) (-)

Ion 157.00 (156.70 to 157.70): VN050037.D (-3932) (-)

14.27

Time--> 14.20 14.25 14.30



#89

1,2,4-Trichlorobenzene

Concen: 19.654 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

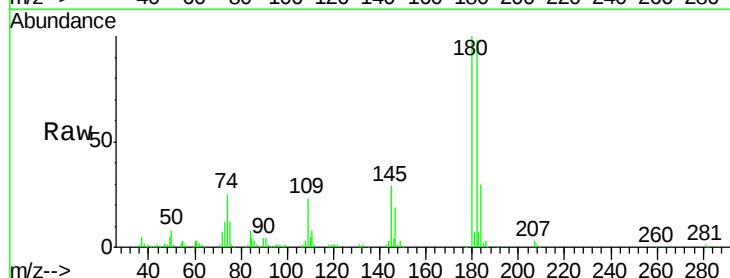
Tgt Ion: 180 Resp: 182090

Ion Ratio Lower Upper

180 100

182 96.9 76.7 115.1

145 29.1 23.4 35.0



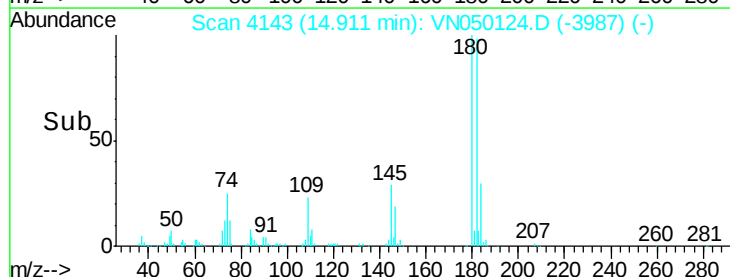
Abundance Ion 180.00 (179.70 to 180.70): VN050037.D (-4131) (-)

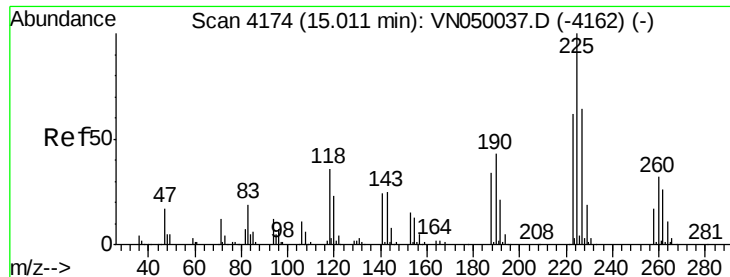
Ion 182.00 (181.70 to 182.70): VN050037.D (-4131) (-)

Ion 145.00 (144.70 to 145.70): VN050037.D (-4131) (-)

14.91

Time--> 14.85 14.90 14.95





#90

Hexachlorobutadiene

Concen: 20.378 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

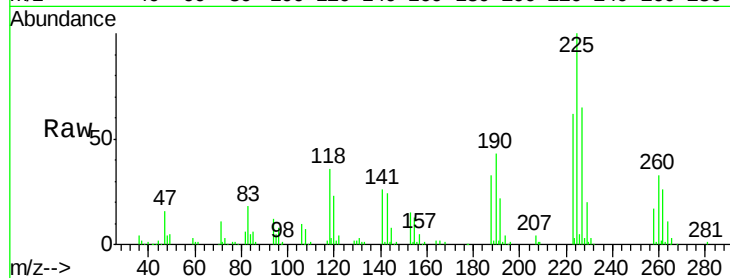
Tgt Ion:225 Resp: 124477

Ion Ratio Lower Upper

225 100

223 62.3 0.0 124.4

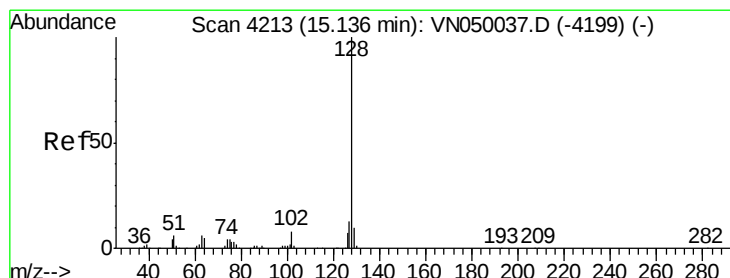
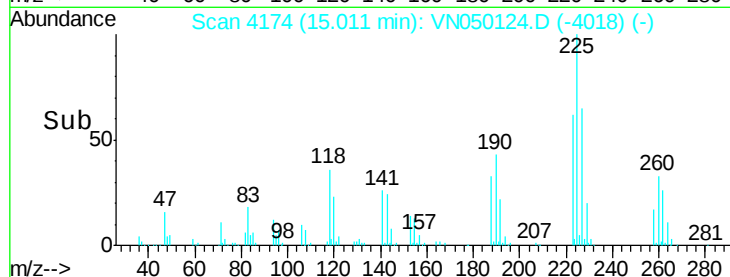
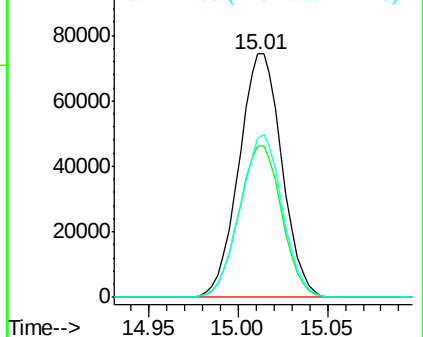
227 65.8 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 23.166 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050124.D

Acq: 27 Jul 2018 11:08

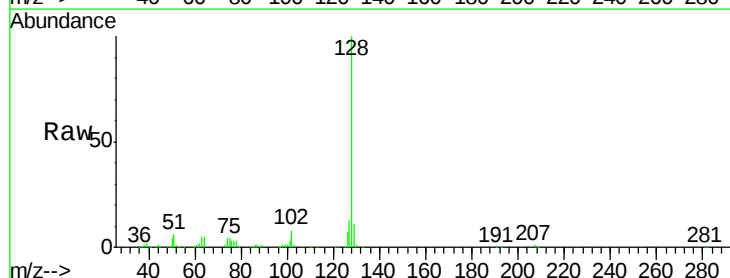
Tgt Ion:128 Resp: 450843

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

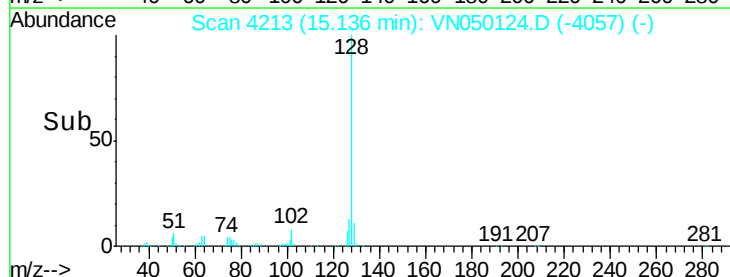
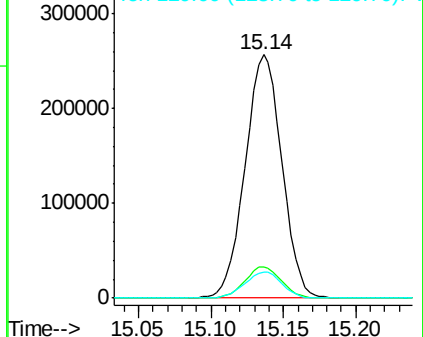
129 11.0 9.0 13.4

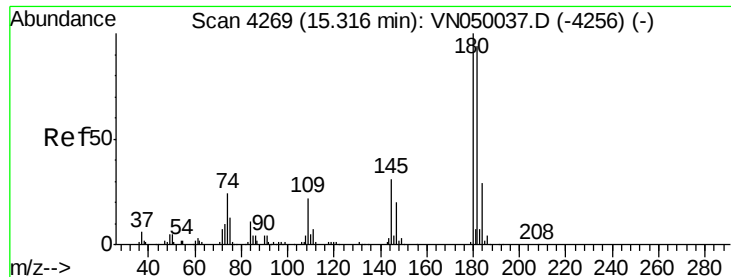


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

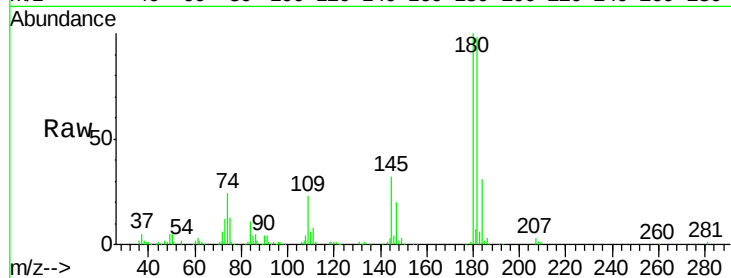




#92
 1,2,3-Trichlorobenzene
 Concen: 20.212 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050124.D
 Acq: 27 Jul 2018 11:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:	180	Resp:	190445
Ion Ratio	Lower	Upper	
180	100		
182	96.6	0.0	188.8
145	31.4	0.0	60.8



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

