

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046539.D
 Acq On : 24 Jan 2018 11:36
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 24 11:57:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\624N012418W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 24 11:16:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	37513	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	227484	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	200392	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	101228	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.41	95	109549	32.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.23%
63) Toluene-d8	10.09	98	288018	28.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.03%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	239634	87.58	ug/l	99
3) Chloromethane	2.06	50	401109	73.67	ug/l	100
4) Vinyl Chloride	2.18	62	373538	97.02	ug/l	99
5) Bromomethane	2.56	94	183873	190.94	ug/l	99
6) Chloroethane	2.70	64	209869	170.02	ug/l	99
7) Trichlorofluoromethane	3.01	101	361256	96.24	ug/l	99
8) Diethyl Ether	3.41	74	175246	106.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	239400	91.65	ug/l	99
10) 1,1-Dichloroethene	3.73	96	241152	101.97	ug/l	98
11) Methyl Iodide	3.95	142	249303	115.25	ug/l	99
12) Methyl Acetate	4.33	43	291658	113.51	ug/l	98
13) Acrolein	3.61	56	174896	509.01	ug/l	97
14) Acrylonitrile	4.99	53	599979	547.55	ug/l	99
15) Acetone	3.82	58	178054	555.93	ug/l	91
16) Carbon Disulfide	4.05	76	818059	101.21	ug/l	100
17) Allyl chloride	4.32	41	584564	115.52	ug/l	99
18) Methylene Chloride	4.55	84	285495	88.06	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	257629	102.62	ug/l	98
20) Diisopropyl ether	5.96	45	1051534	107.44	ug/l	98
21) 1,1-Dichloroethane	5.85	63	572691	98.86	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	297401	105.16	ug/l	100
23) tert-Butyl Alcohol	4.81	59	145506	695.49	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	814705	120.17	ug/l	99
25) Chloroform	7.37	83	501974	95.83	ug/l	100
26) Cyclohexane	7.65	56	547045	114.56	ug/l	# 97
29) 1,1-Dichloropropene	7.79	75	420880	100.89	ug/l	99
30) 2-Butanone	6.84	43	793358	553.07	ug/l	99
31) 2,2-Dichloropropane	6.82	77	465756	99.18	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	408438	90.49	ug/l	99
33) Carbon Tetrachloride	7.77	117	336221	88.44	ug/l	98
34) Benzene	8.04	78	1198436	91.37	ug/l	# 88
35) Methacrylonitrile	7.18	41	175849	100.21	ug/l	98
36) 1,2-Dichloroethane	8.12	62	422171	90.96	ug/l	99
37) Trichloroethene	8.84	130	273167	96.91	ug/l	97
38) Methylcyclohexane	9.08	83	495737	112.42	ug/l	100
39) 1,2-Dichloropropane	9.12	63	350305	93.55	ug/l	99
40) Dibromomethane	9.21	93	175212	90.15	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)
41) Bromodichloromethane	9.40	83	397915	95.04	ug/l	96
42) Vinyl Acetate	5.90	43	4080352	543.59	ug/l	99
43) Ethyl Acetate	6.93	43	321500	103.44	ug/l	96
44) Isopropyl Acetate	8.17	43	598878	112.21	ug/l	99
45) 1,4-Dioxane	9.20	88	65968	2220.28	ug/l	94
46) Methyl methacrylate	9.20	41	299327	122.55	ug/l	98
47) n-amyl Acetate	12.08	43	567931	113.41	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	473511	109.63	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	525275	104.14	ug/l	100
50) 1,1,2-Trichloroethane	10.57	97	251041	92.36	ug/l	99
51) Ethyl methacrylate	10.43	69	414399	120.56	ug/l	100
52) 1,3-Dichloropropane	10.71	76	479144	95.43	ug/l	100
53) Dibromochloromethane	10.90	129	265328	101.42	ug/l	100
54) 1,2-Dibromoethane	11.01	107	229135	93.55	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	901960	499.47	ug/l	100
56) Bromoform	12.13	173	164162	108.39	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1570852	563.03	ug/l	100
59) 2-Hexanone	10.76	43	1126377	569.69	ug/l	99
61) Tetrachloroethene	10.63	164	221204	98.66	ug/l	100
62) Toluene	10.16	91	1209981	96.20	ug/l	100
64) Chlorobenzene	11.44	112	710882	99.14	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	238602	98.56	ug/l	100
66) Ethyl Benzene	11.52	91	1331352	106.97	ug/l	99
67) m/p-Xylenes	11.63	106	965339	210.90	ug/l	100
68) o-Xylene	11.95	106	467302	106.79	ug/l	99
69) Styrene	11.97	104	789403	112.63	ug/l	99
70) Isopropylbenzene	12.26	105	1234241	106.95	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	328429	97.94	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	428983	156.20	ug/l	52
73) Bromobenzene	12.53	156	264938	98.33	ug/l	99
74) n-propylbenzene	12.60	91	1567401	105.83	ug/l	99
75) 2-Chlorotoluene	12.68	91	910352	103.35	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	1060353	108.78	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	102831	109.24	ug/l	98
78) 4-Chlorotoluene	12.78	91	945779	105.48	ug/l	99
79) tert-butylbenzene	13.00	119	873203	108.29	ug/l	99
80) 1,2,4-Trimethylbenzene	13.18	105	1273300	127.93	ug/l	100
81) sec-Butylbenzene	13.18	105	1273300	106.72	ug/l	100
82) p-Isopropyltoluene	13.30	119	1083198	111.31	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	498498	99.30	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	492804	99.88	ug/l	100
85) n-Butylbenzene	13.62	91	1111906	119.74	ug/l	100
86) Hexachloroethane	13.88	117	198982	106.85	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	472865	95.69	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	59241	109.88	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	305695	110.31	ug/l	100
90) Hexachlorobutadiene	15.02	225	146602	97.33	ug/l	99
91) Naphthalene	15.14	128	767436	118.96	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	287552	106.55	ug/l	99

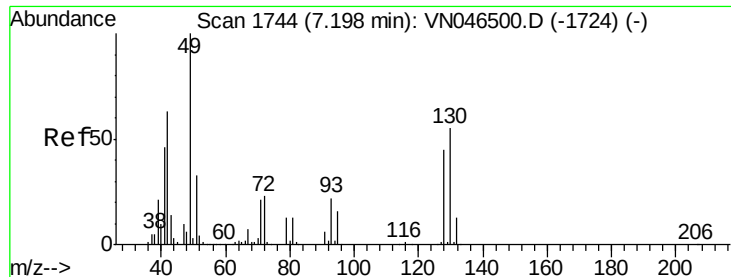
Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
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QLast Update : Wed Jan 24 11:16:21 2018
Response via : Initial Calibration

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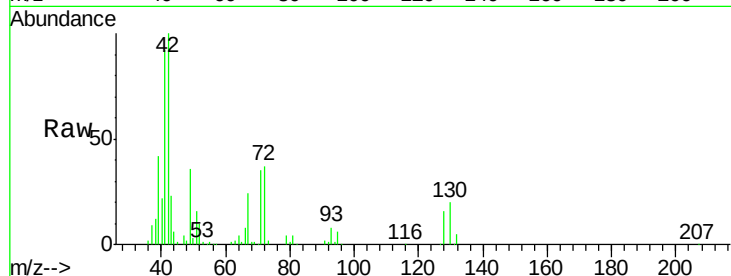
(#) = qualifier out of range (m) = manual integration (+) = signals summed



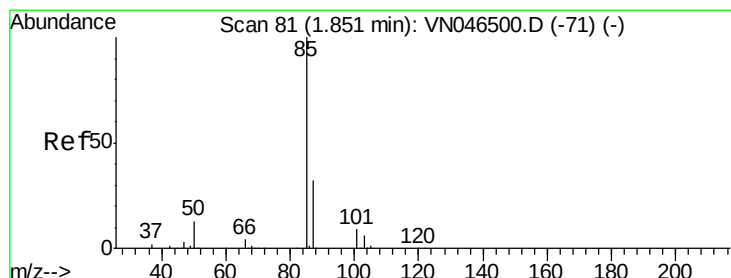
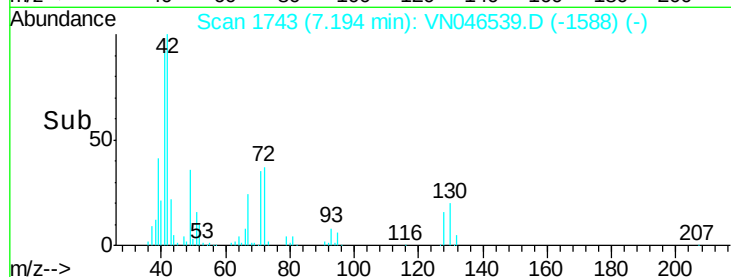
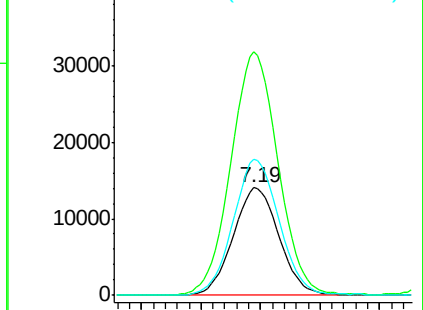
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:128 Resp: 37513
 Ion Ratio Lower Upper
 128 100
 49 233.2 0.0 566.8
 130 126.7 0.0 323.3

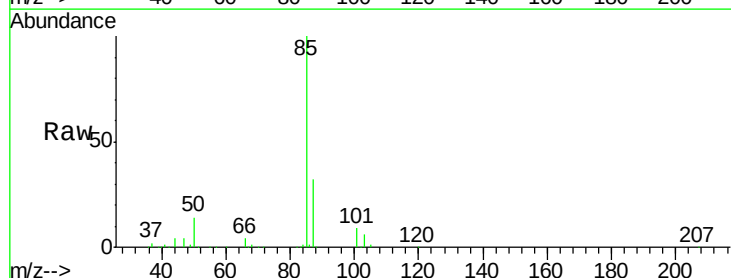


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

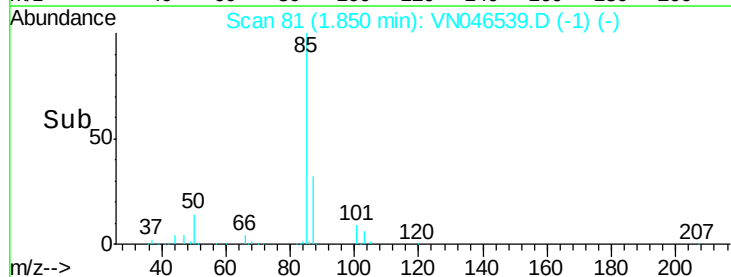
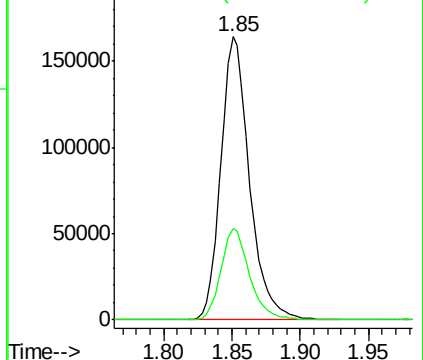


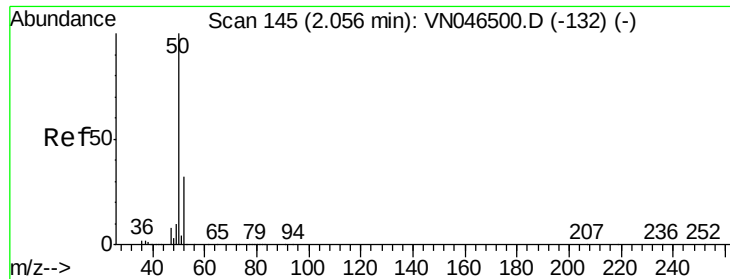
#2
 Dichlorodifluoromethane
 Concen: 87.58 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 85 Resp: 239634
 Ion Ratio Lower Upper
 85 100
 87 32.1 16.3 48.8



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





#3

Chloromethane

Concen: 73.67 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

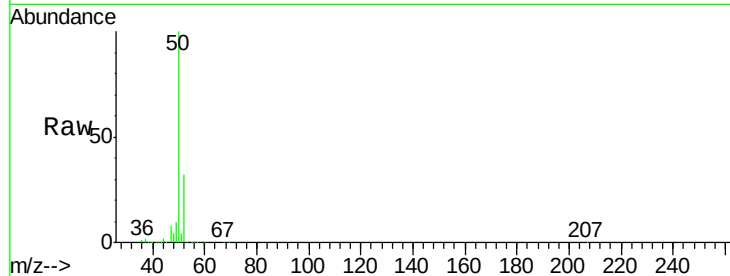
VSTDIC100

Tgt Ion: 50 Resp: 401109

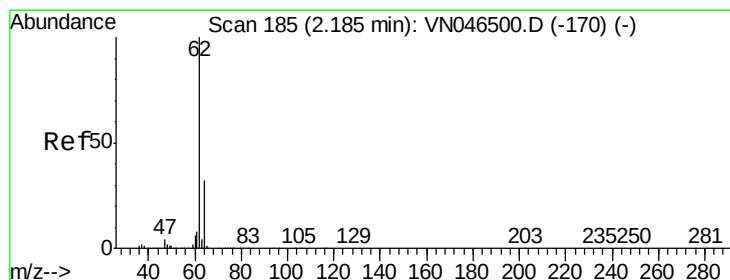
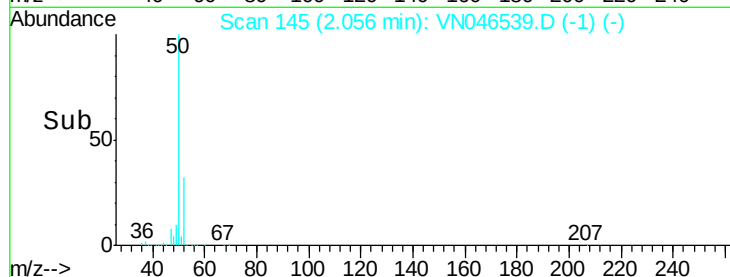
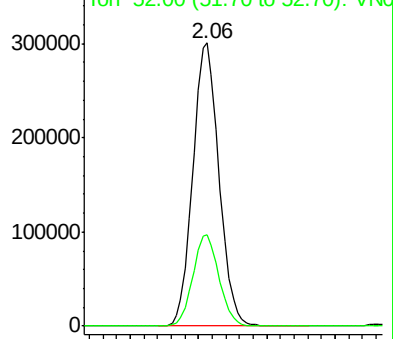
Ion Ratio Lower Upper

50 100

52 32.4 25.8 38.6



Abundance Ion 50.00 (49.70 to 50.70): VN046539.D (-1)



#4

Vinyl Chloride

Concen: 97.02 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN046539.D

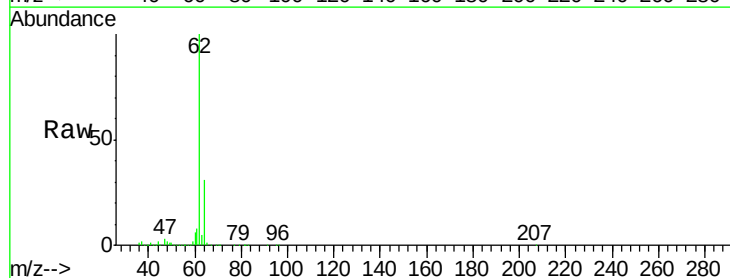
Acq: 24 Jan 2018 11:36

Tgt Ion: 62 Resp: 373538

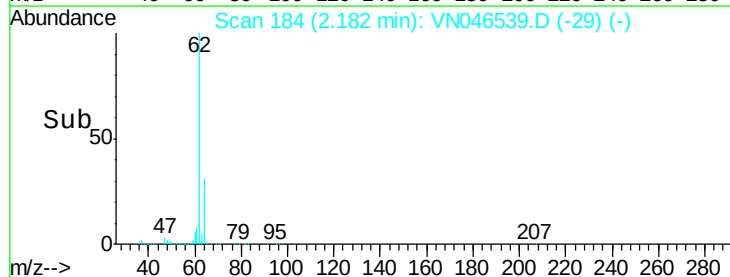
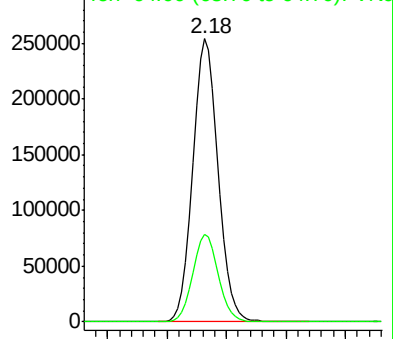
Ion Ratio Lower Upper

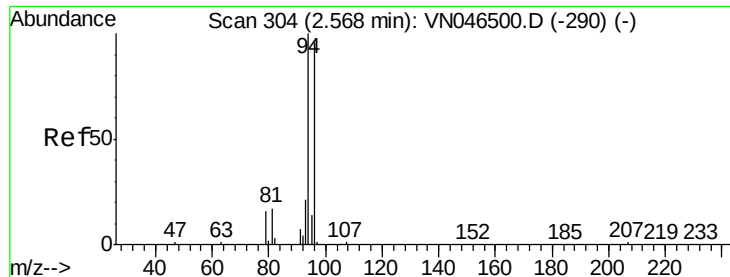
62 100

64 31.1 25.5 38.3



Abundance Ion 62.00 (61.70 to 62.70): VN046539.D (-29)





#5

Bromomethane

Concen: 190.94 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.01 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

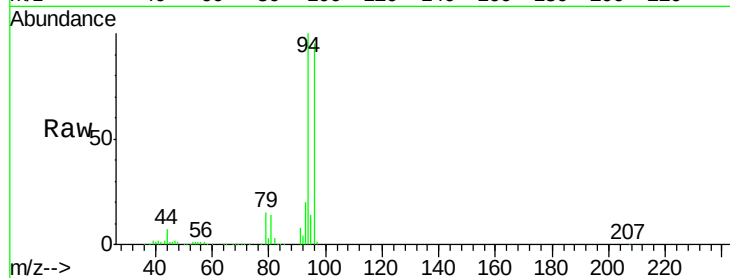
VSTDIC100

Tgt Ion: 94 Resp: 183873

Ion Ratio Lower Upper

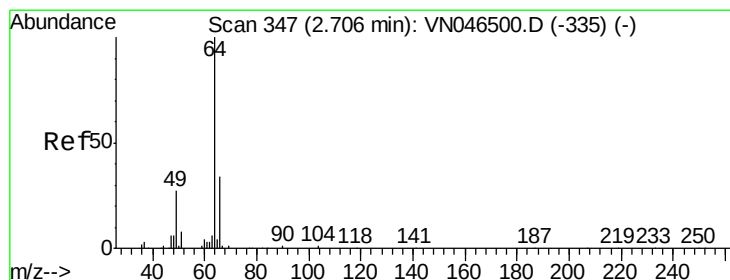
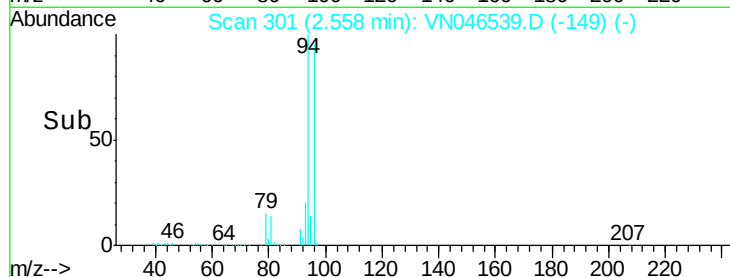
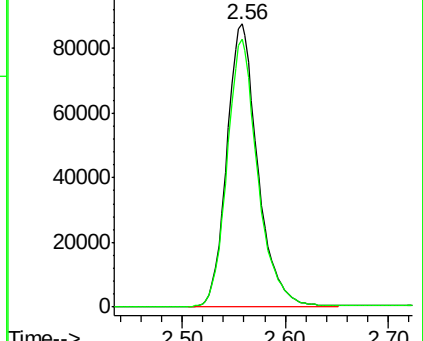
94 100

96 94.3 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VN046500.D (-290) (-)

Ion 96.00 (95.70 to 96.70): VN046500.D (-290) (-)



#6

Chloroethane

Concen: 170.02 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.01 min

Lab File: VN046539.D

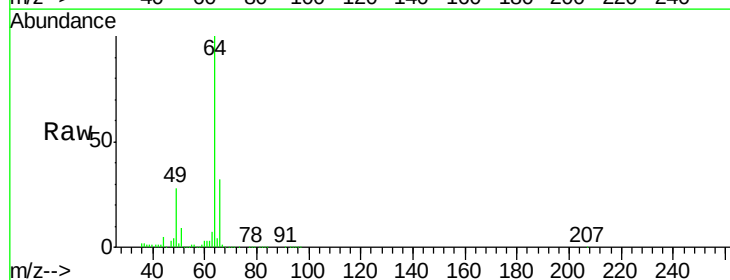
Acq: 24 Jan 2018 11:36

Tgt Ion: 64 Resp: 209869

Ion Ratio Lower Upper

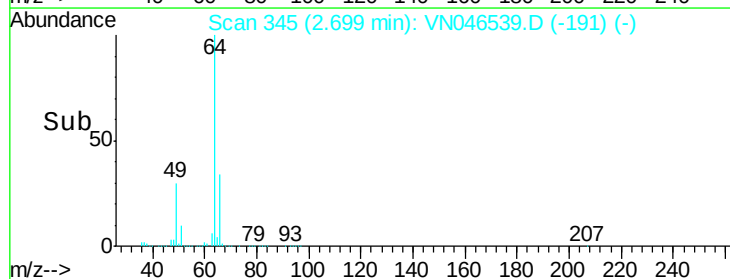
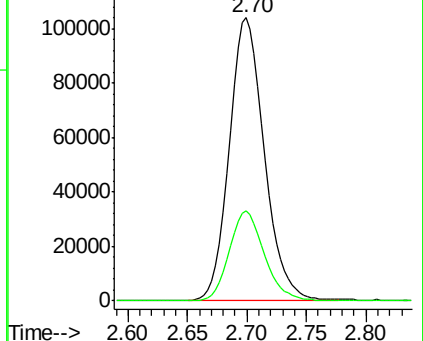
64 100

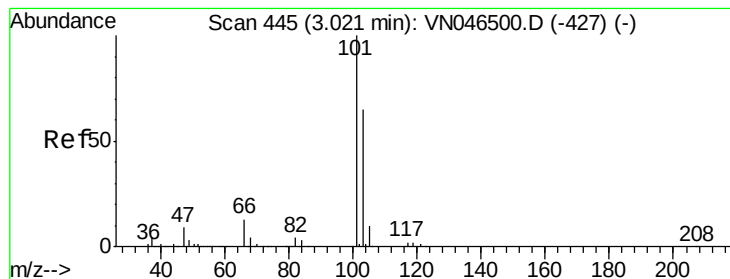
66 31.8 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN046500.D (-335) (-)

Ion 66.00 (65.70 to 66.70): VN046500.D (-335) (-)



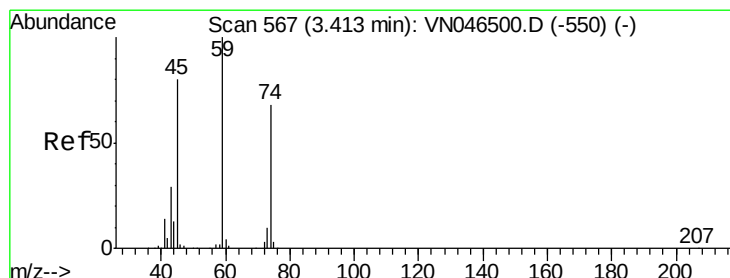
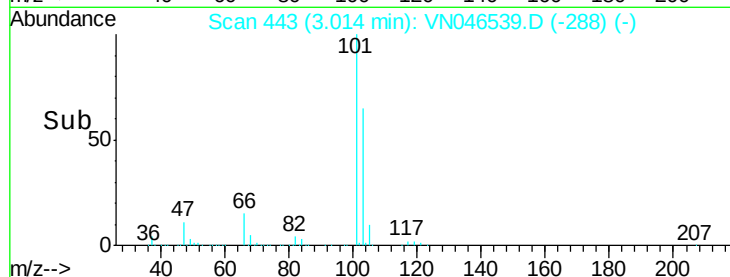
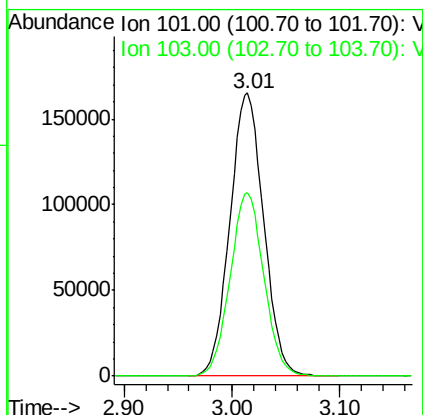
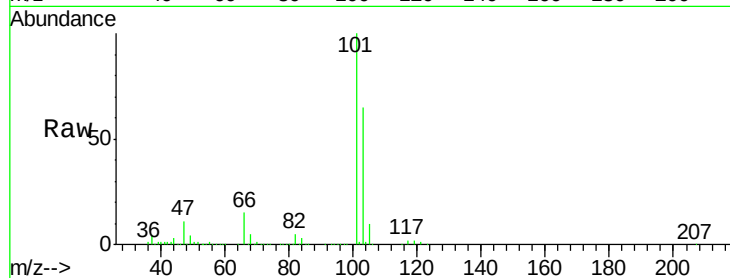


#7

Trichlorofluoromethane
 Concen: 96.24 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

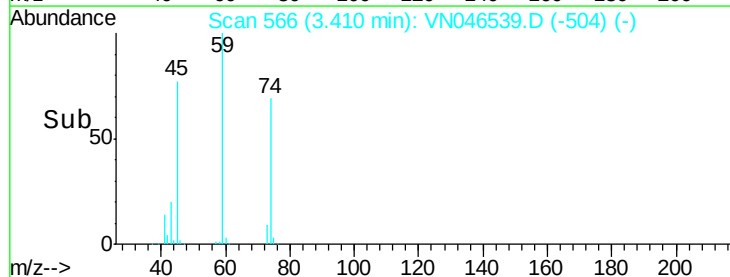
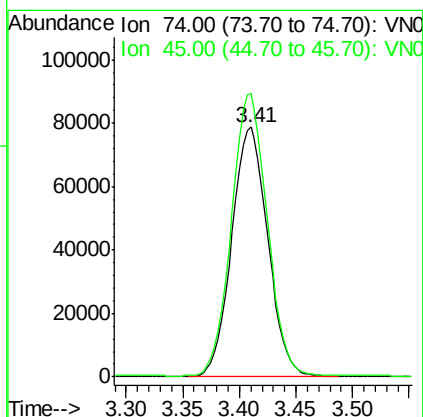
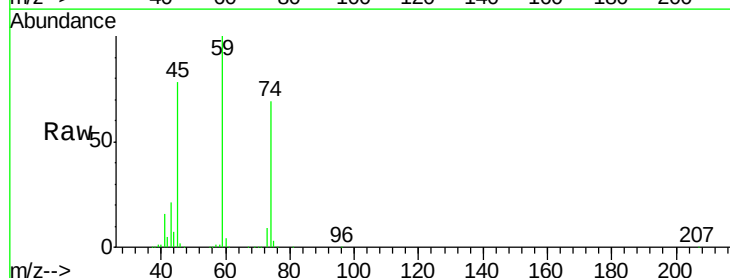
Tgt Ion:101 Resp: 361256
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.2 78.4

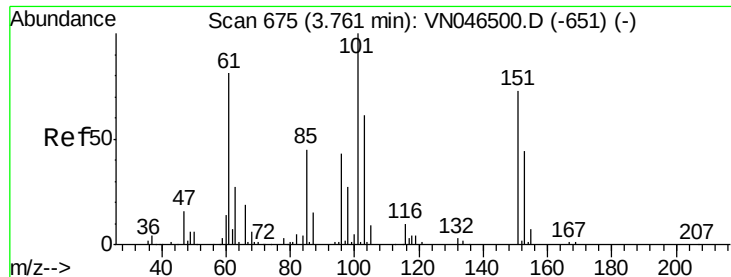


#8

Diethyl Ether
 Concen: 106.49 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 74 Resp: 175246
 Ion Ratio Lower Upper
 74 100
 45 111.7 22.0 197.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.65 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

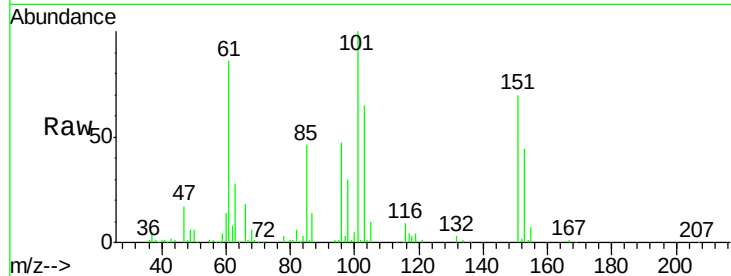
Tgt Ion: 101 Resp: 239400

Ion Ratio Lower Upper

101 100

85 46.0 0.0 90.8

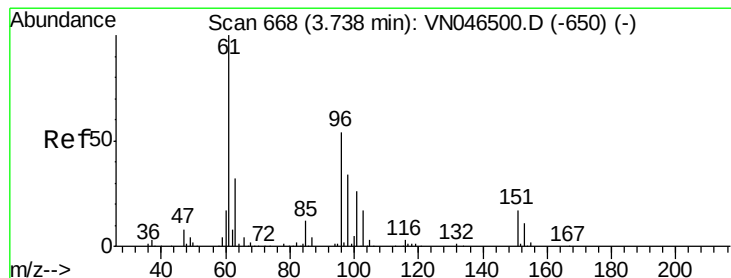
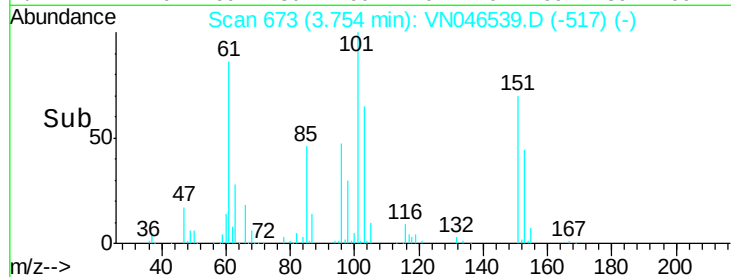
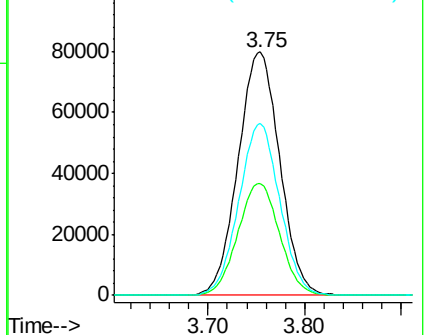
151 69.5 0.0 137.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 101.97 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

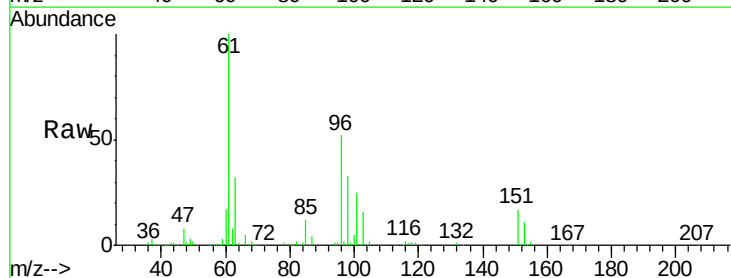
Tgt Ion: 96 Resp: 241152

Ion Ratio Lower Upper

96 100

61 192.8 152.4 228.6

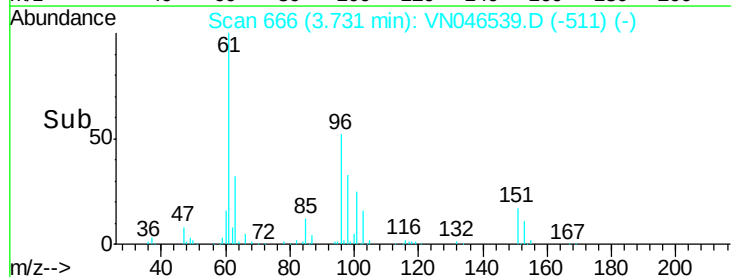
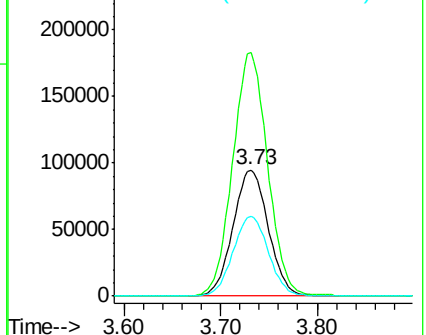
98 62.9 51.3 76.9

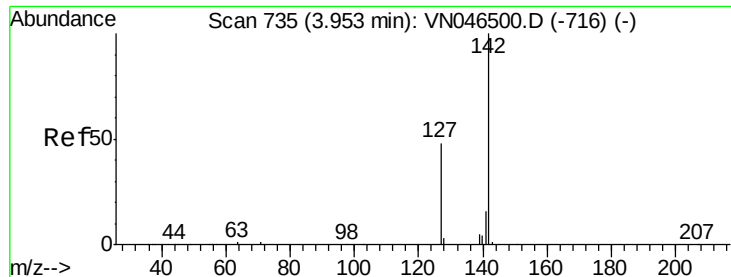


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

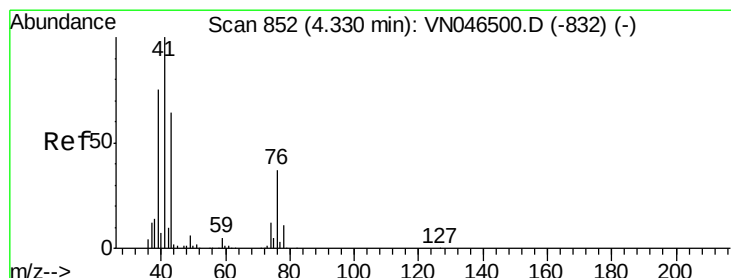
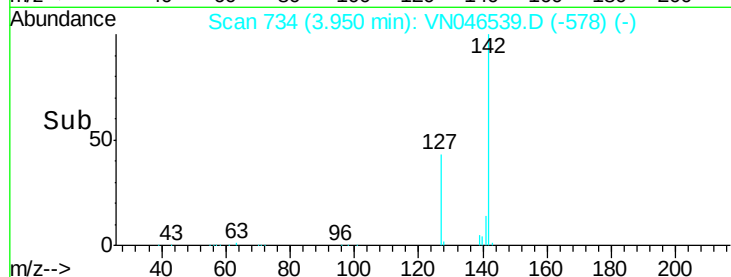
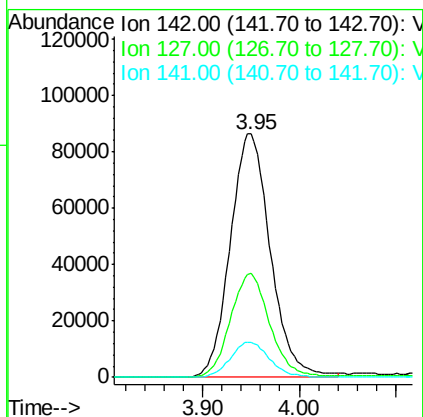
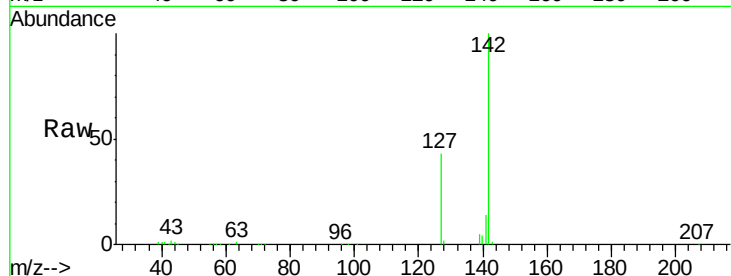




#11
Methyl Iodide
Concen: 115.25 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

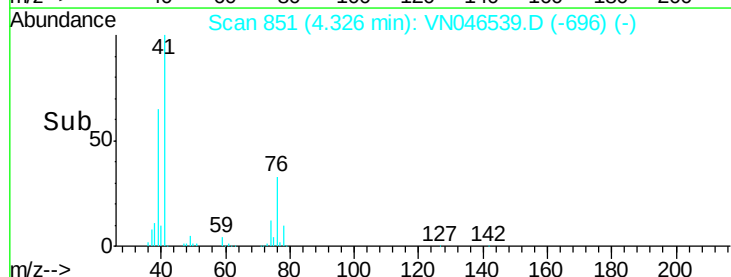
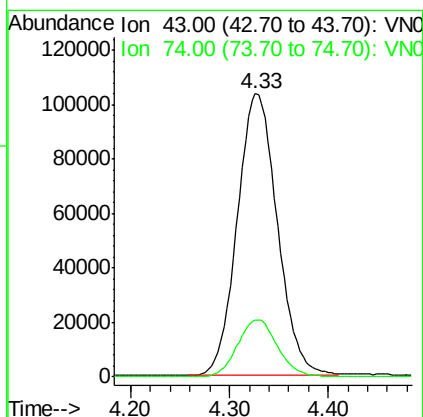
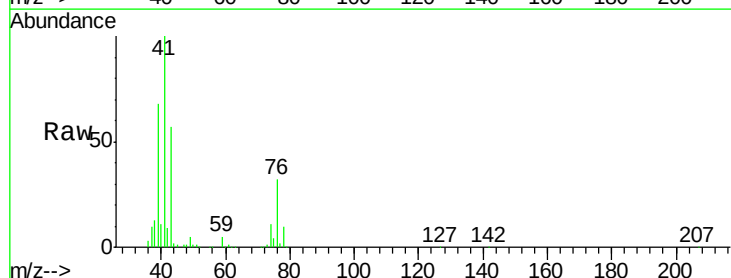
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

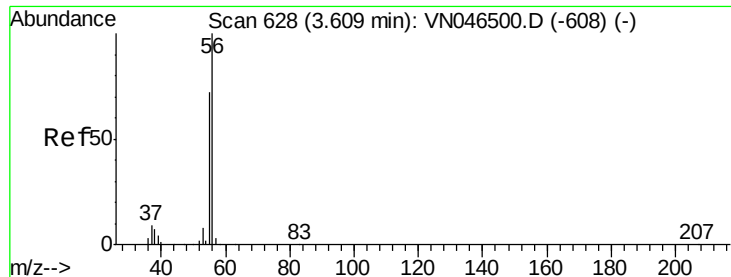
Tgt Ion: 142 Resp: 249303
Ion Ratio Lower Upper
142 100
127 42.6 21.1 63.3
141 14.4 7.3 21.9



#12
Methyl Acetate
Concen: 113.51 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion: 43 Resp: 291658
Ion Ratio Lower Upper
43 100
74 20.2 17.0 25.6





#13

Acrolein

Concen: 509.01 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

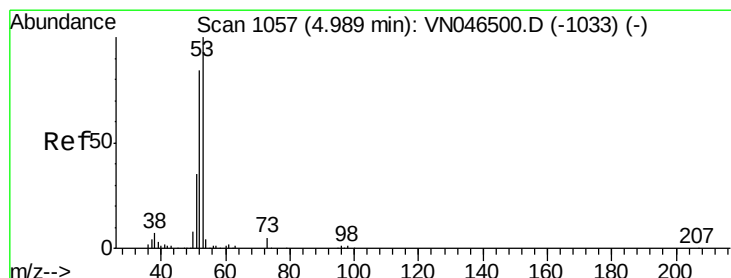
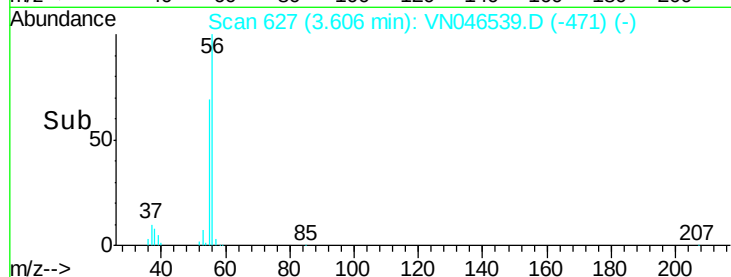
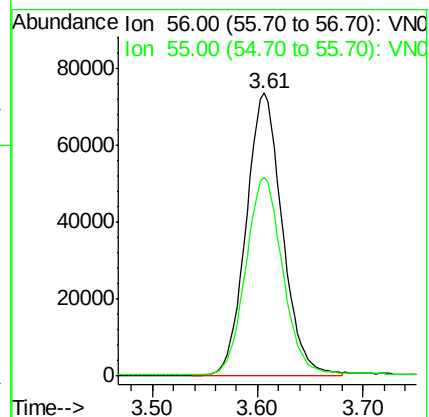
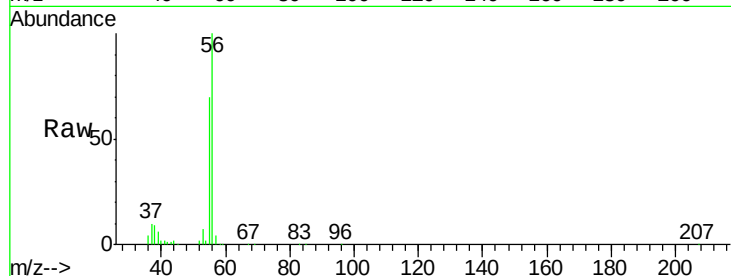
VSTDIC100

Tgt Ion: 56 Resp: 174896

Ion Ratio Lower Upper

56 100

55 71.1 58.9 88.3



#14

Acrylonitrile

Concen: 547.55 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

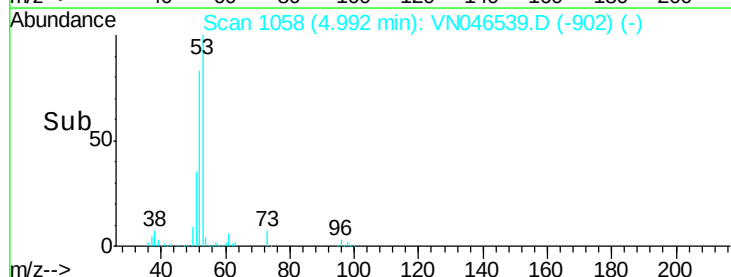
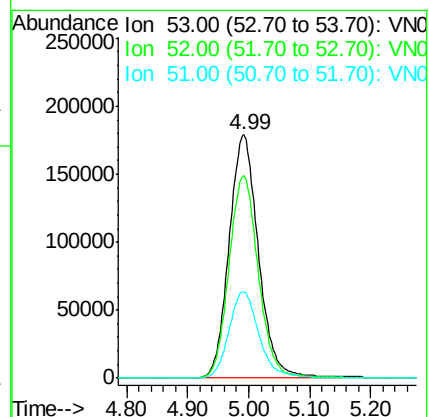
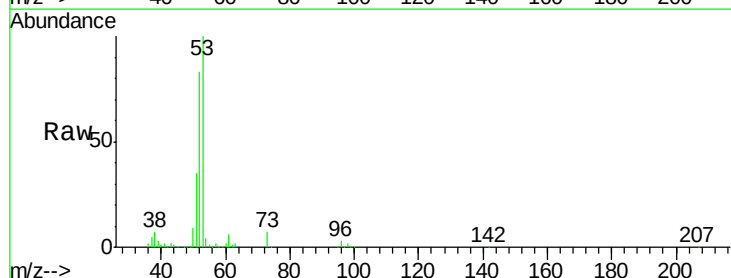
Tgt Ion: 53 Resp: 599979

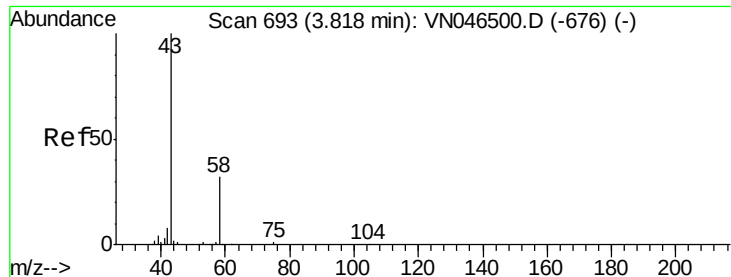
Ion Ratio Lower Upper

53 100

52 82.6 40.9 122.7

51 36.4 18.1 54.1





#15

Acetone

Concen: 555.93 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

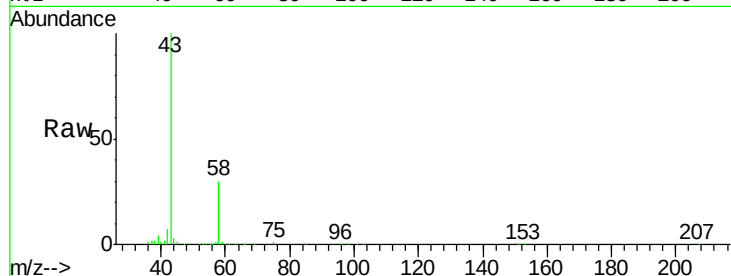
VSTDIC100

Tgt Ion: 58 Resp: 178054

Ion Ratio Lower Upper

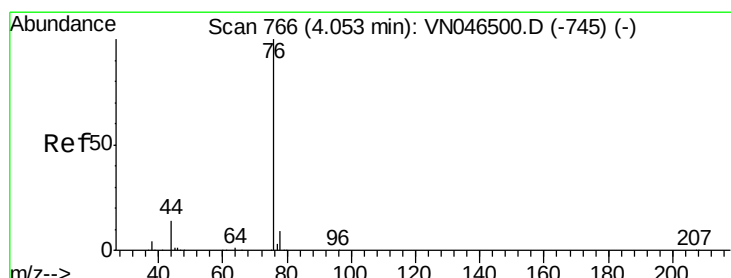
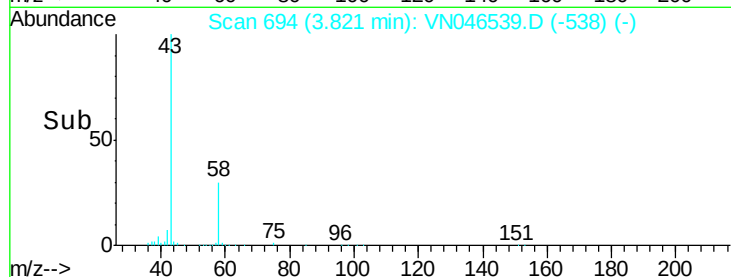
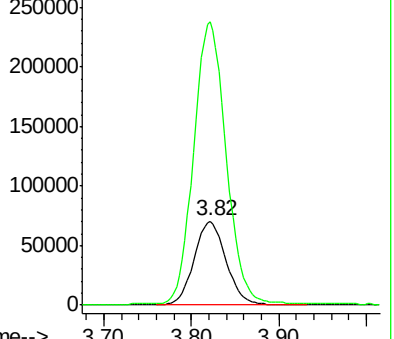
58 100

43 336.9 285.3 427.9



Abundance Ion 58.00 (57.70 to 58.70): VN046500.D (-676) (-)

Ion 43.00 (42.70 to 43.70): VN046500.D (-676) (-)



#16

Carbon Disulfide

Concen: 101.21 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN046539.D

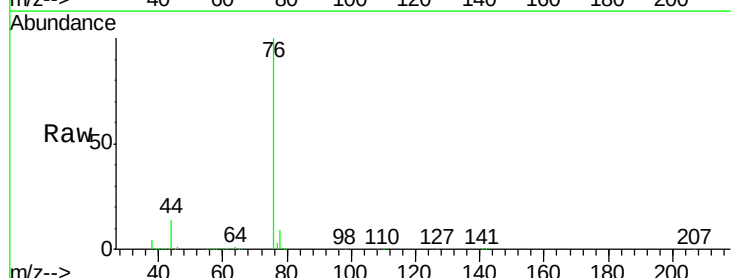
Acq: 24 Jan 2018 11:36

Tgt Ion: 76 Resp: 818059

Ion Ratio Lower Upper

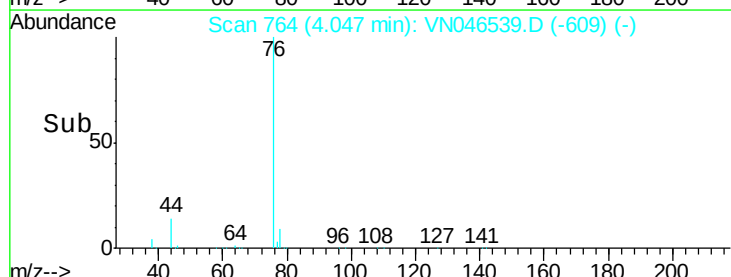
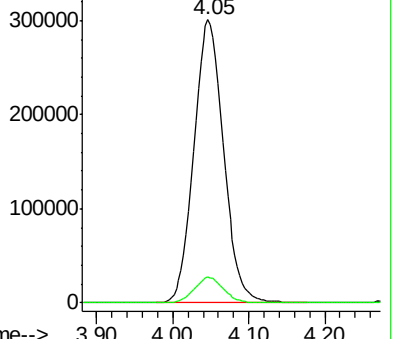
76 100

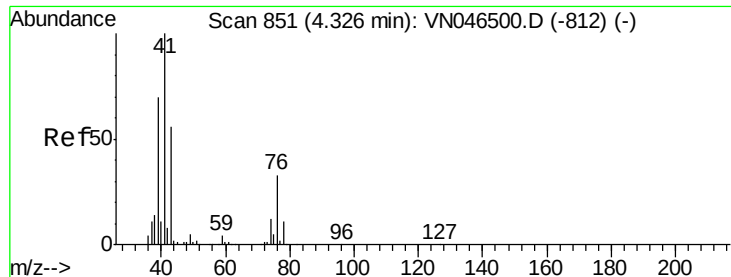
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VN046500.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN046500.D (-745) (-)

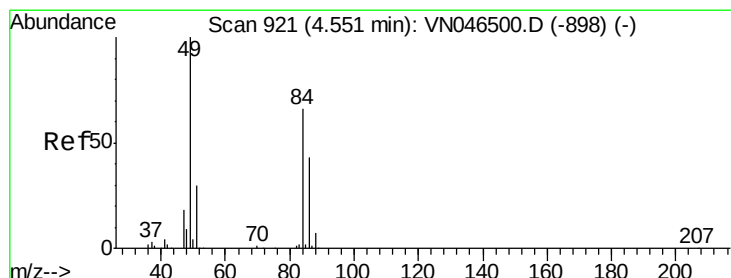
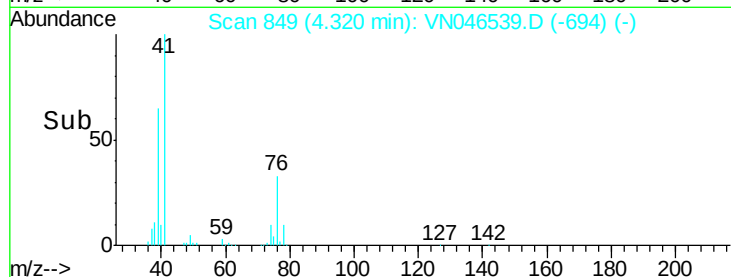
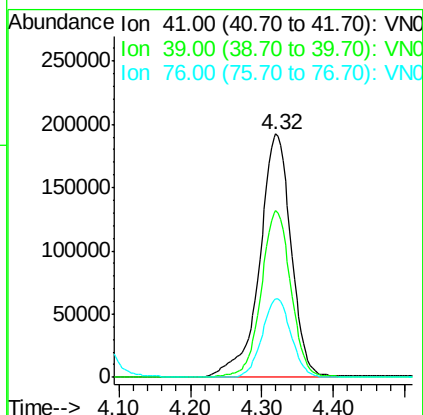
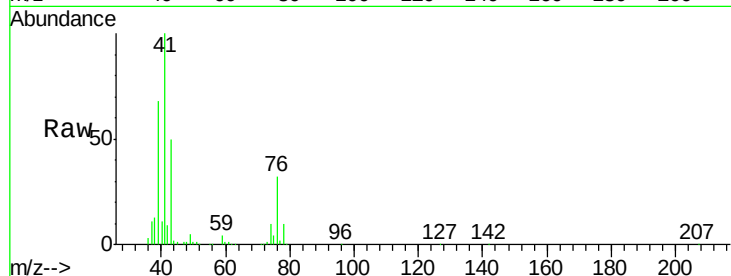




#17
 Allyl chloride
 Concen: 115.52 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

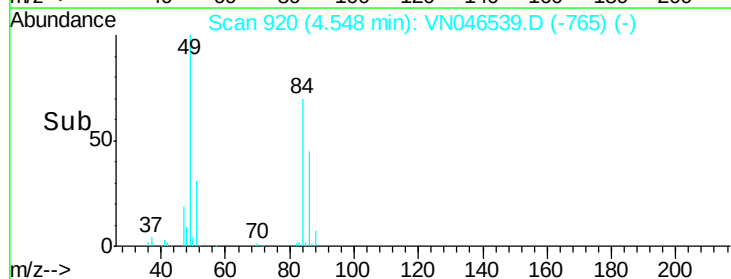
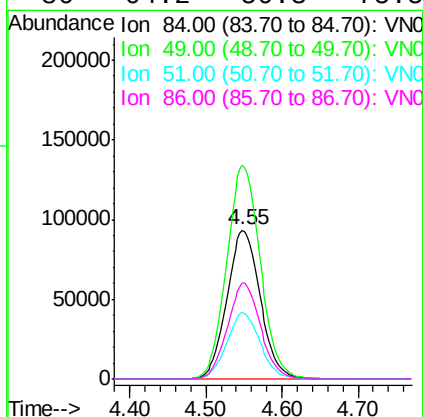
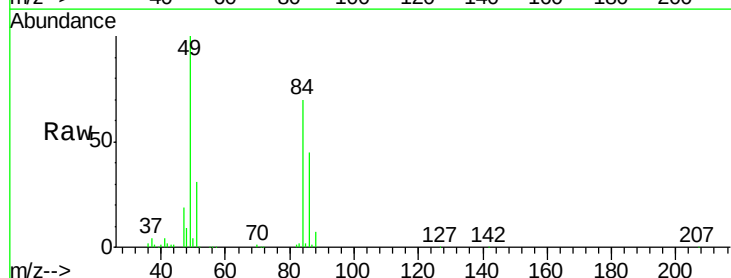
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

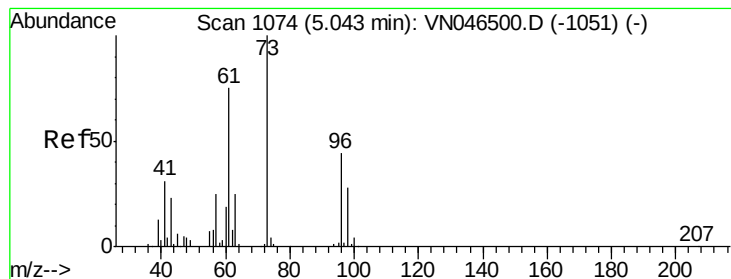
Tgt Ion: 41 Resp: 584564
 Ion Ratio Lower Upper
 41 100
 39 68.3 33.5 100.4
 76 32.2 15.9 47.7



#18
 Methylene Chloride
 Concen: 88.06 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 84 Resp: 285495
 Ion Ratio Lower Upper
 84 100
 49 143.2 113.9 170.9
 51 44.7 36.3 54.5
 86 64.2 50.3 75.5





#19

trans-1,2-Dichloroethene

Concen: 102.62 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

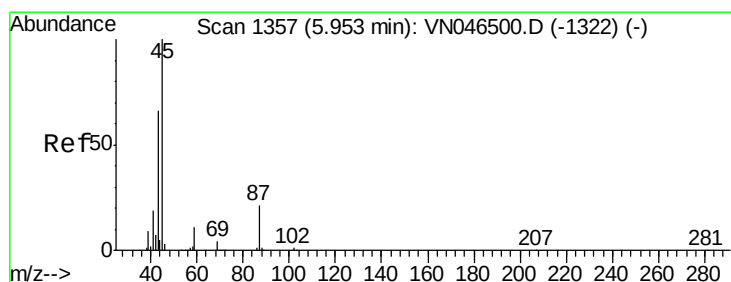
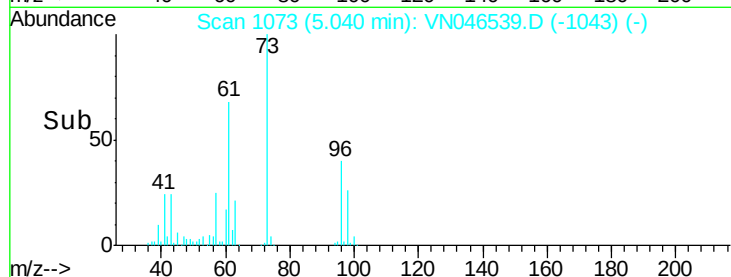
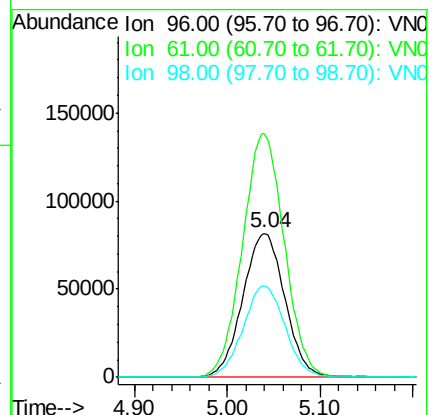
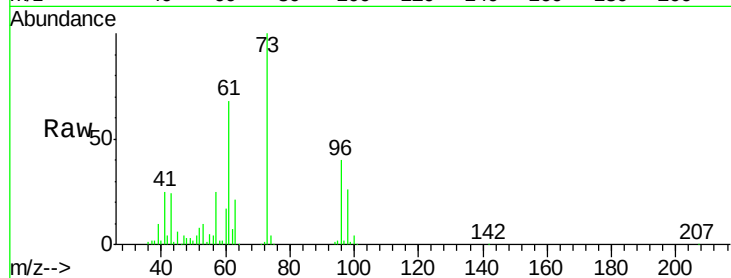
Tgt Ion: 96 Resp: 257629

Ion Ratio Lower Upper

96 100

61 168.2 137.3 205.9

98 63.4 52.3 78.5



#20

Diisopropyl ether

Concen: 107.44 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Tgt Ion: 45 Resp: 1051534

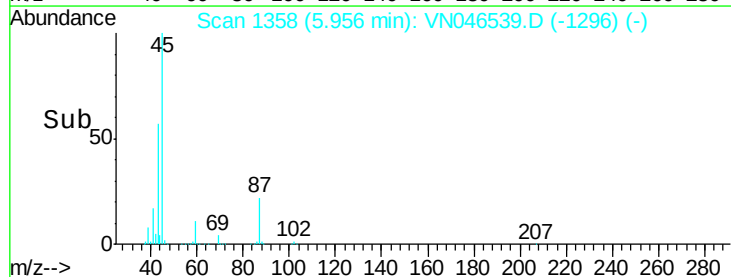
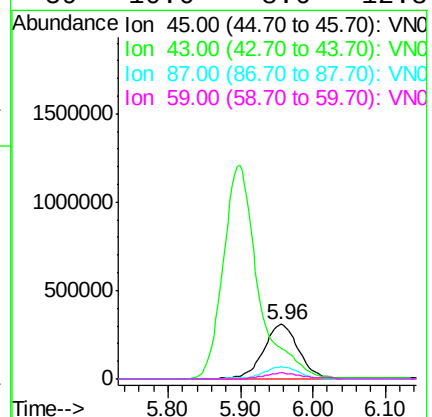
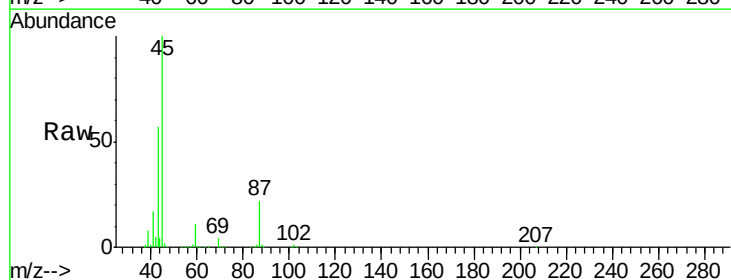
Ion Ratio Lower Upper

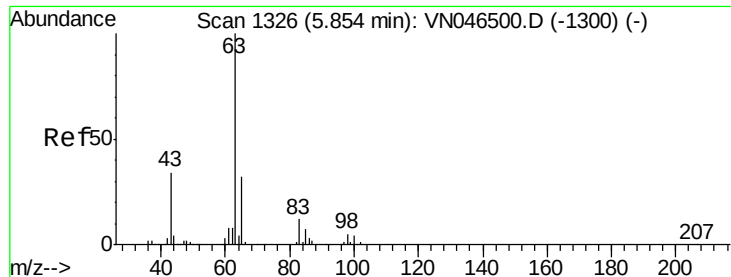
45 100

43 55.1 45.1 67.7

87 21.8 16.6 24.8

59 10.6 8.6 12.8





#21

1,1-Dichloroethane

Concen: 98.86 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

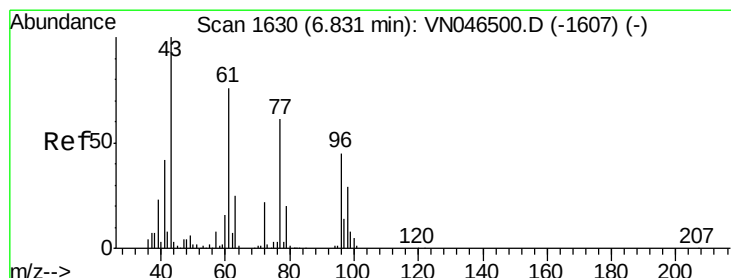
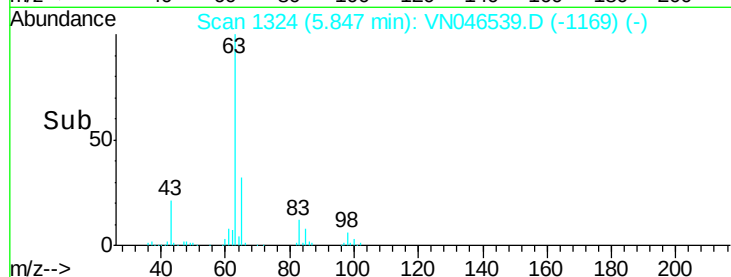
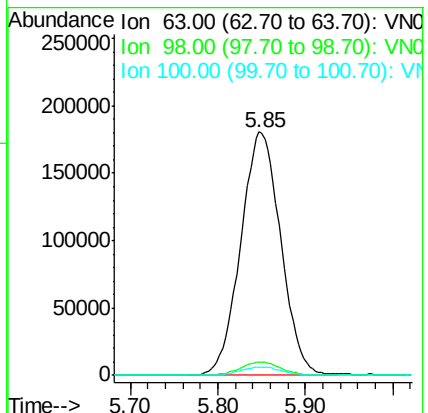
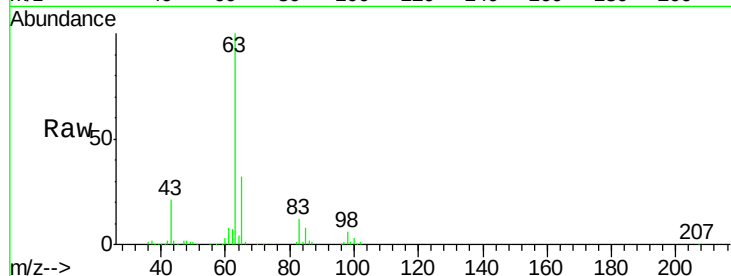
Tgt Ion: 63 Resp: 572691

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.9

100 3.5 1.7 5.0



#22

cis-1,2-Dichloroethene

Concen: 105.16 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

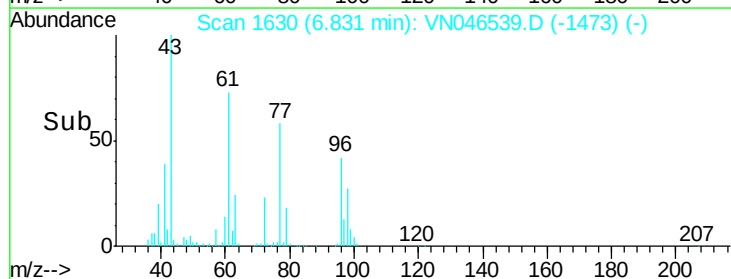
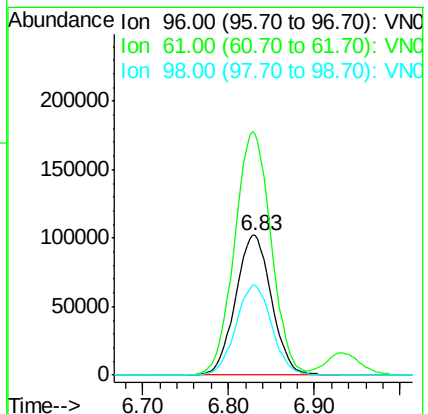
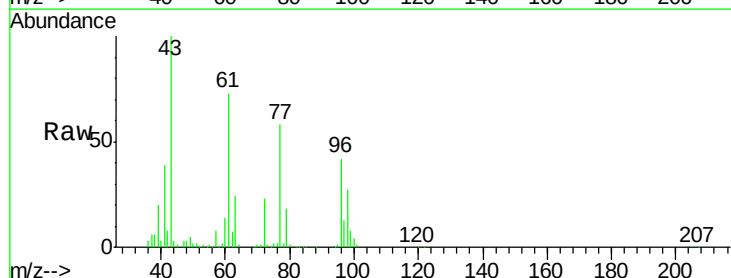
Tgt Ion: 96 Resp: 297401

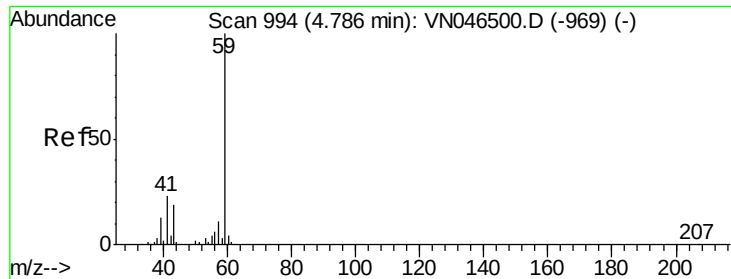
Ion Ratio Lower Upper

96 100

61 176.2 141.3 211.9

98 64.4 51.0 76.6

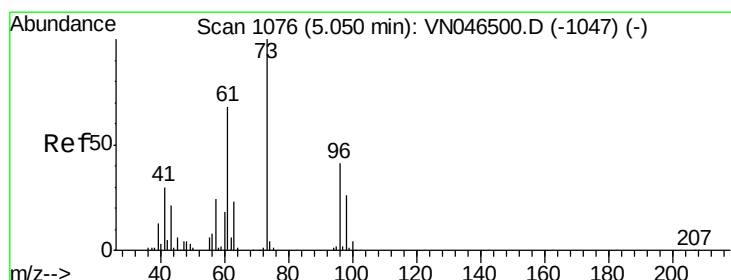
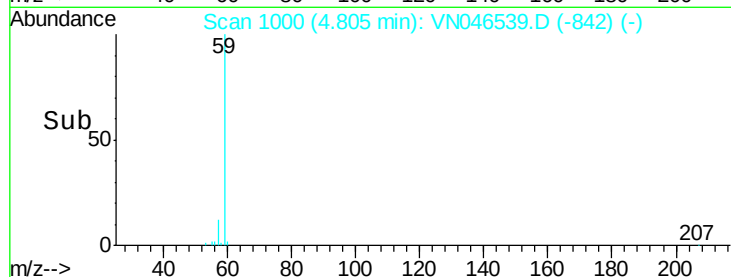
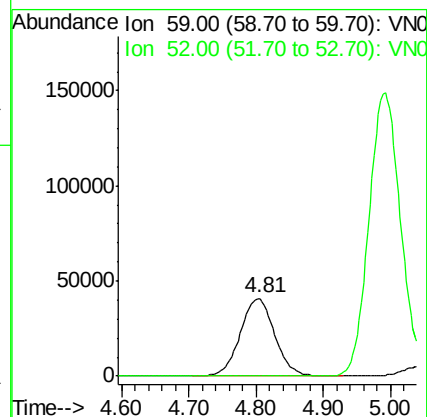
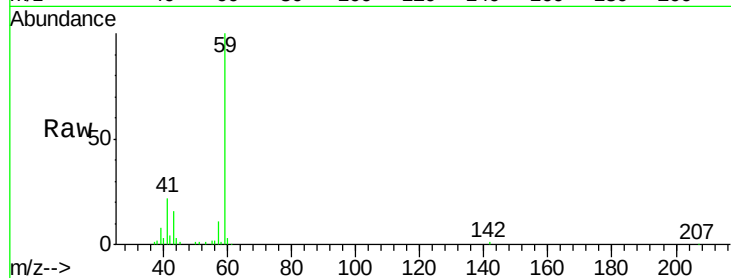




#23
 tert-Butyl Alcohol
 Concen: 695.49 ug/l
 RT: 4.81 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

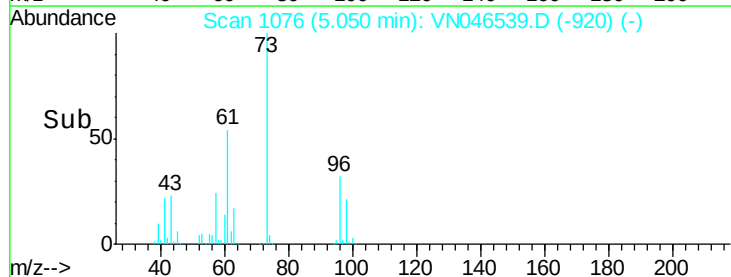
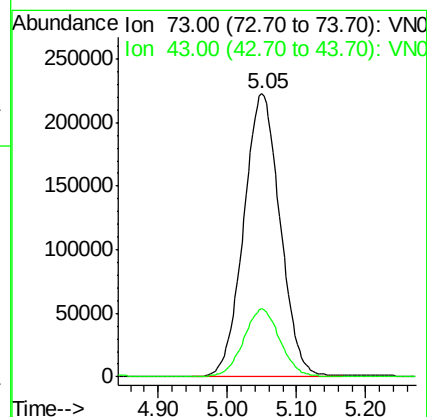
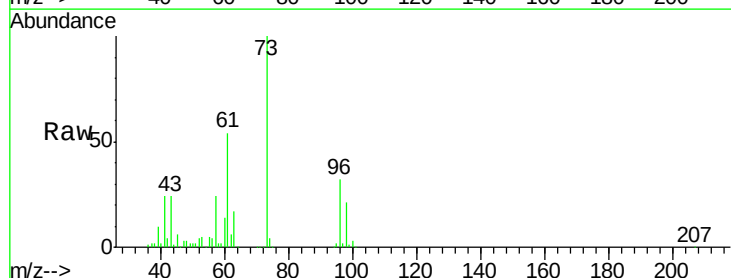
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

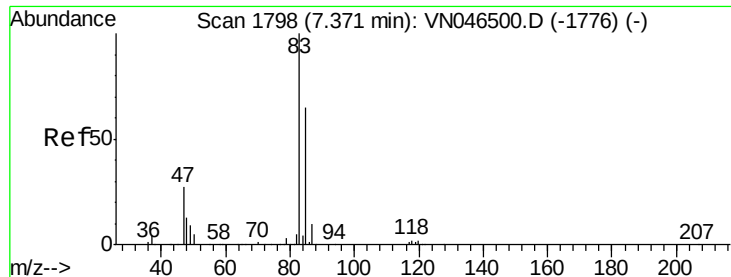
Tgt Ion: 59 Resp: 145506
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 120.17 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 73 Resp: 814705
 Ion Ratio Lower Upper
 73 100
 43 23.5 19.0 28.6





#25

Chloroform

Concen: 95.83 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

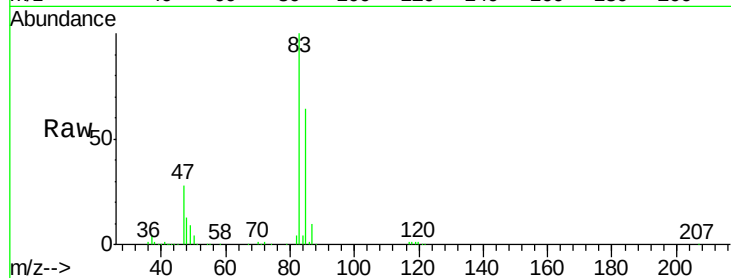
VSTDIC100

Tgt Ion: 83 Resp: 501974

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VN046539.D (-1642) (-)

Ion 85.00 (84.70 to 85.70): VN046539.D (-1642) (-)

7.37

200000

150000

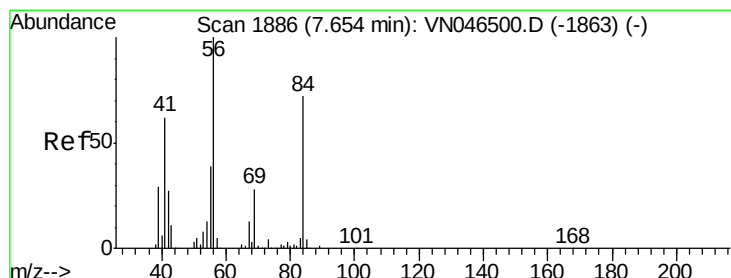
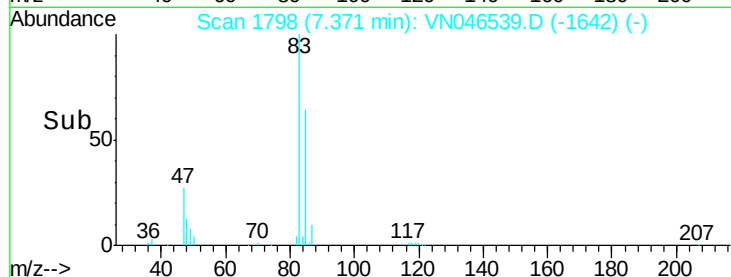
100000

50000

0

7.20 7.30 7.40 7.50

Time-->



#26

Cyclohexane

Concen: 114.56 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

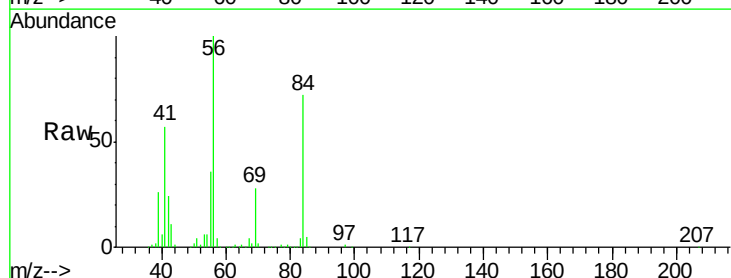
Tgt Ion: 56 Resp: 547045

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 73.2 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN046539.D (-1729) (-)

Ion 89.00 (88.70 to 89.70): VN046539.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN046539.D (-1729) (-)

7.65

300000

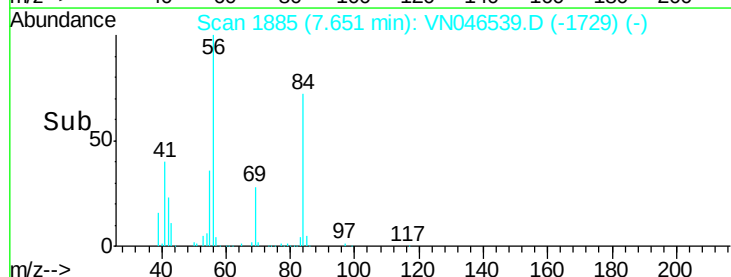
200000

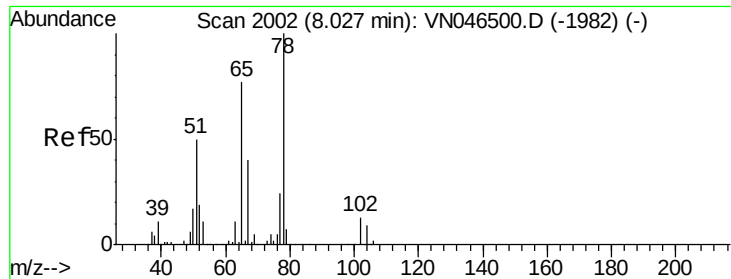
100000

0

7.55 7.60 7.65 7.70

Time-->

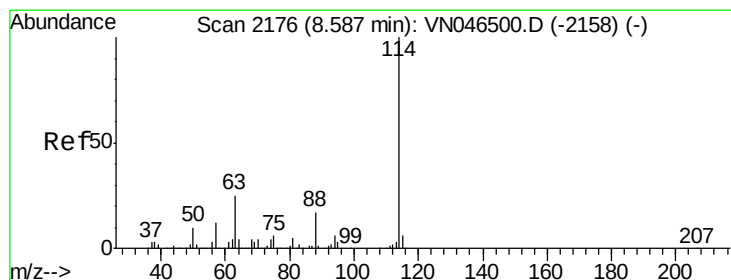
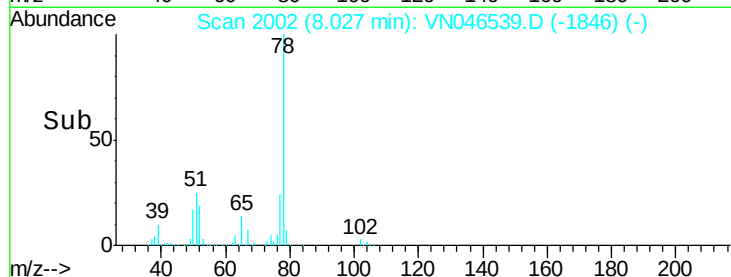
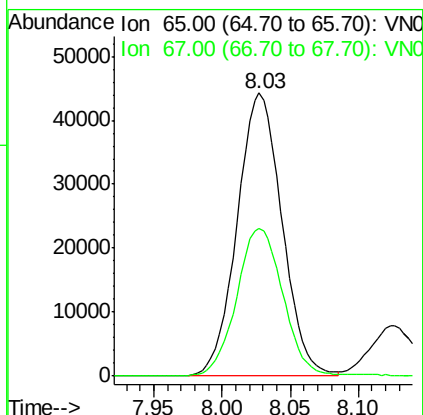
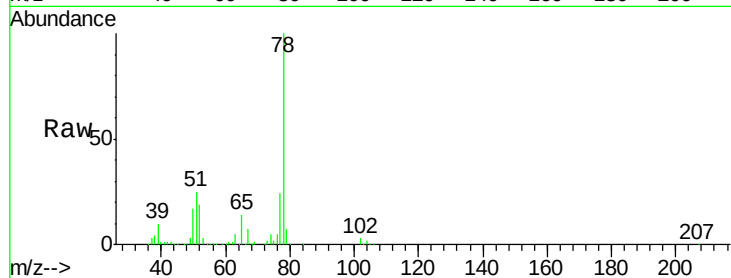




#27
 1,2-Dichloroethane-d4
 Concen: 29.25 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

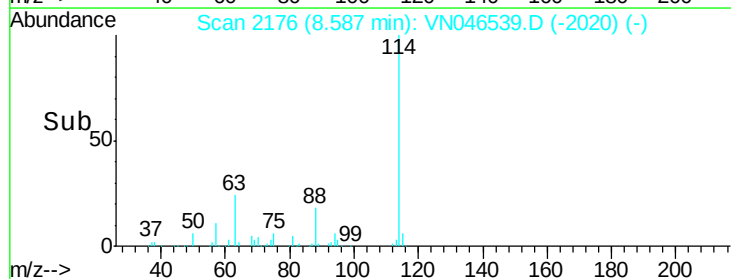
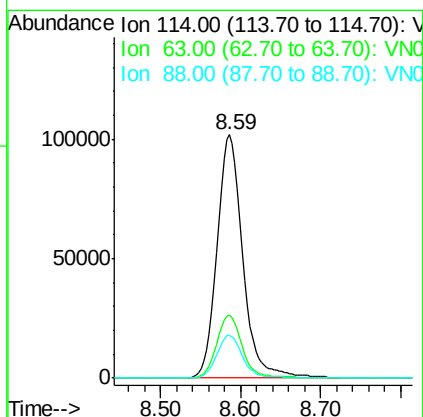
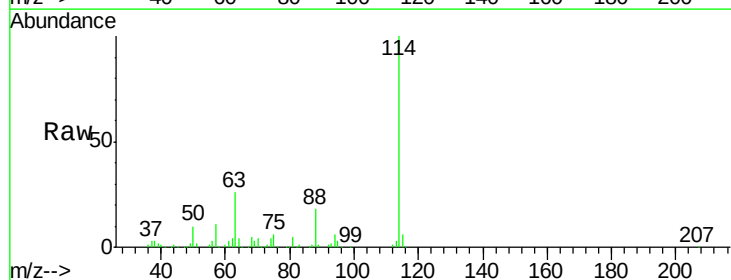
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

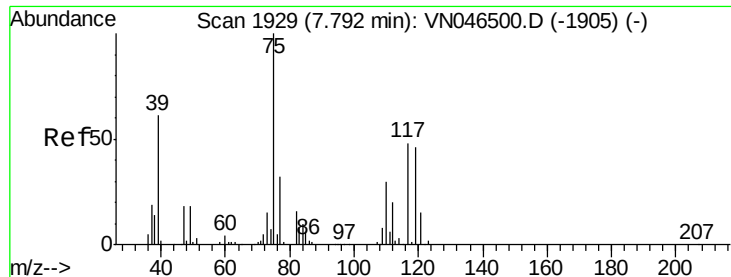
Tgt Ion: 65 Resp: 101228
 Ion Ratio Lower Upper
 65 100
 67 53.9 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 114 Resp: 227484
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.2 30.4
 88 17.7 14.2 21.2

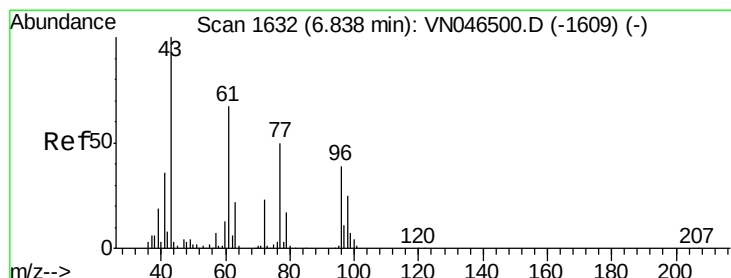
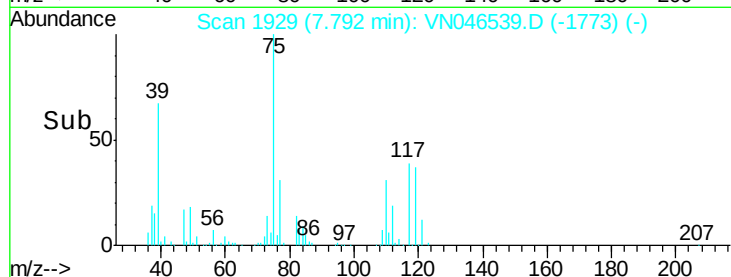
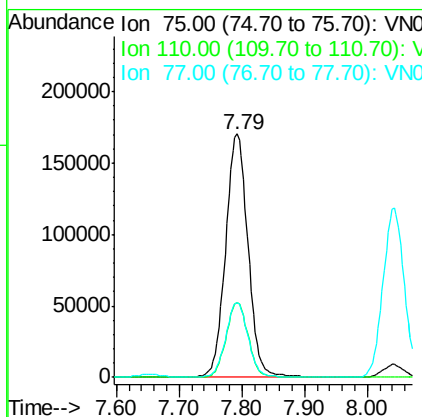
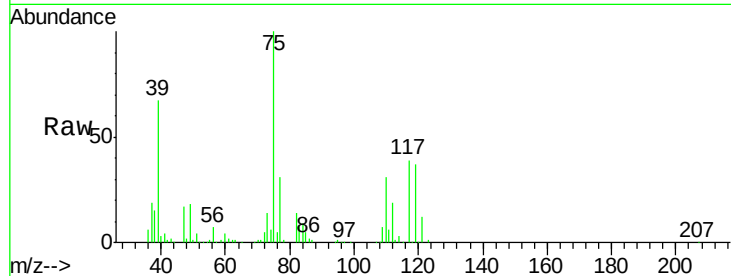




#29
 1,1-Dichloropropene
 Concen: 100.89 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

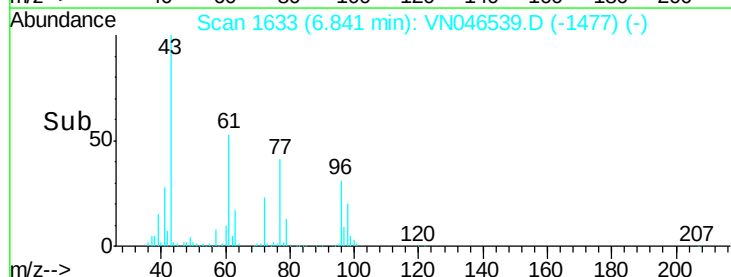
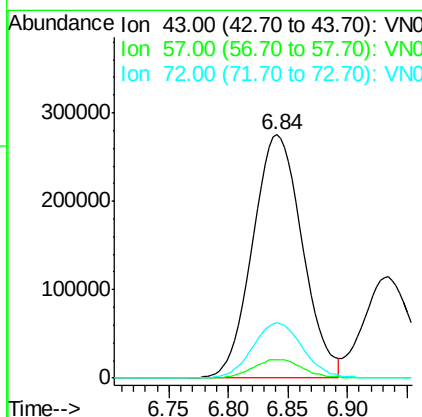
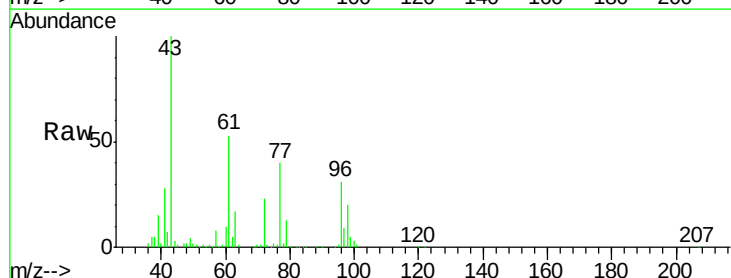
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

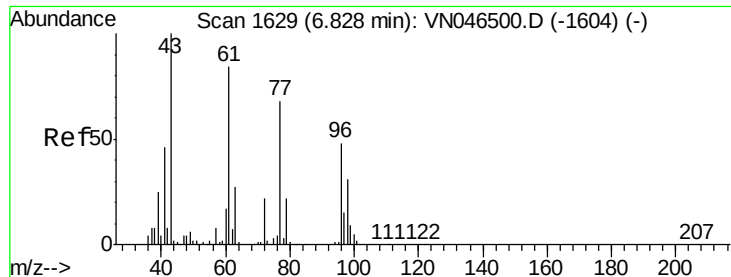
Tgt Ion: 75 Resp: 420880
 Ion Ratio Lower Upper
 75 100
 110 30.3 0.0 61.0
 77 30.9 0.0 63.2



#30
 2-Butanone
 Concen: 553.07 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 43 Resp: 793358
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.8 10.2
 72 23.2 18.9 28.3

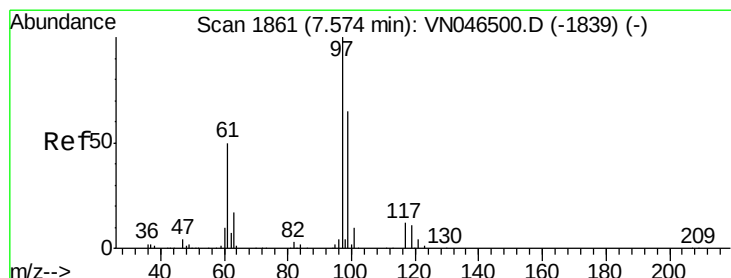
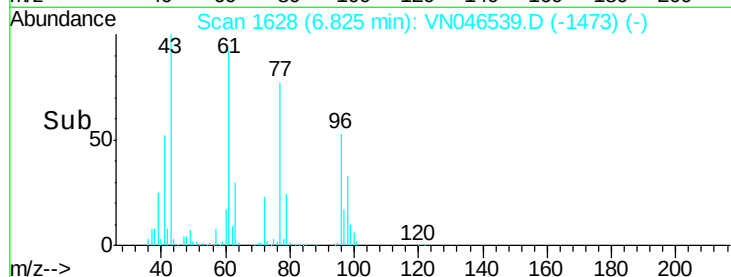
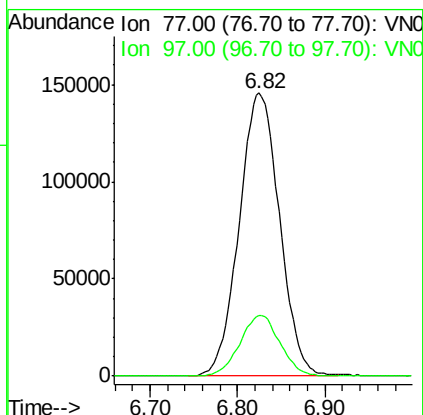
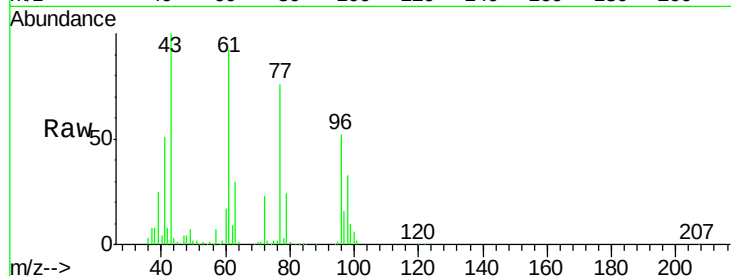




#31
 2,2-Dichloropropane
 Concen: 99.18 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

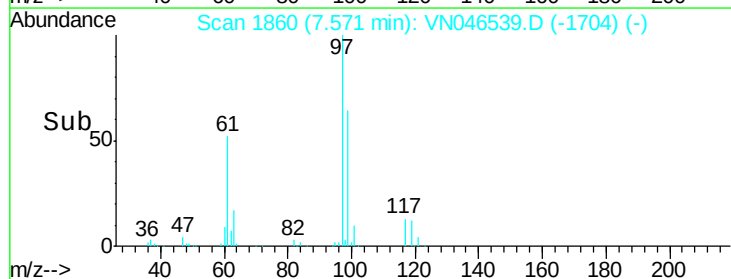
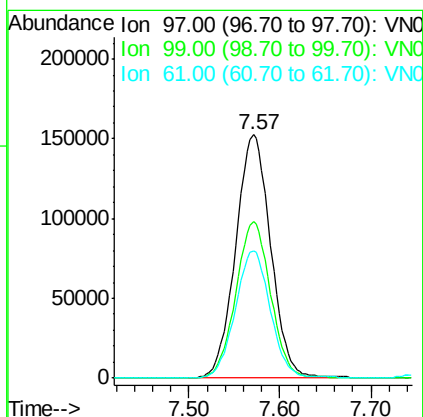
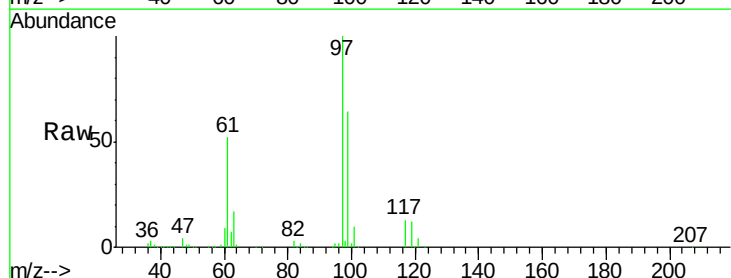
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

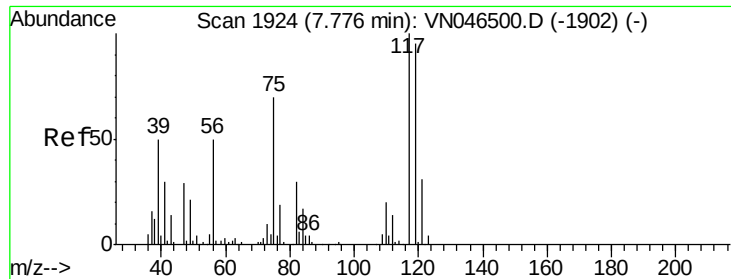
Tgt Ion: 77 Resp: 465756
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.2 25.8



#32
 1,1,1-Trichloroethane
 Concen: 90.49 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 97 Resp: 408438
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.4 75.6
 61 52.5 41.3 61.9

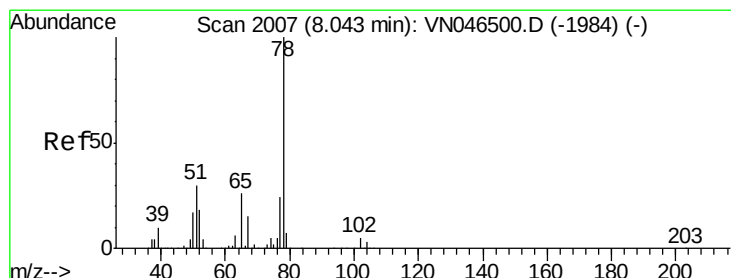
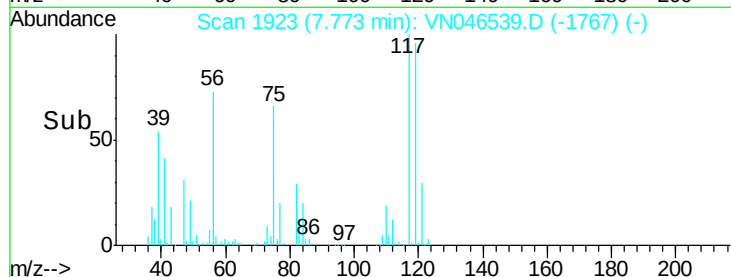
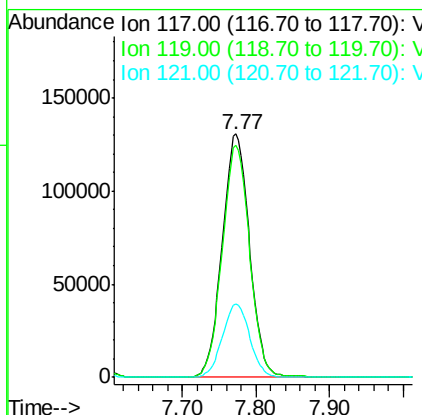
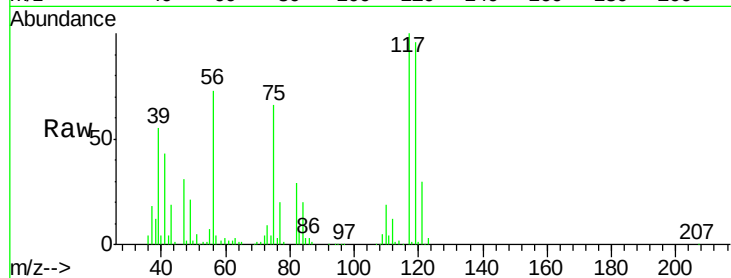




#33
Carbon Tetrachloride
Concen: 88.44 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

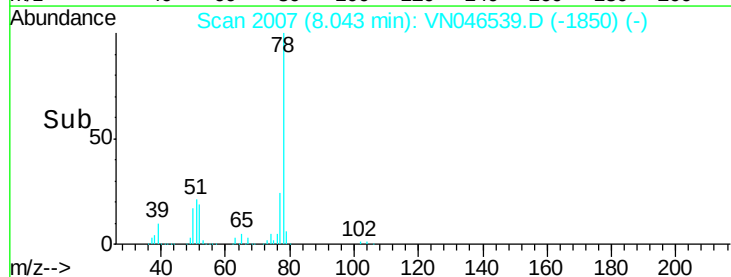
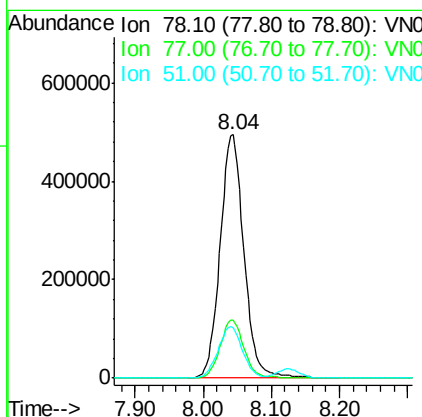
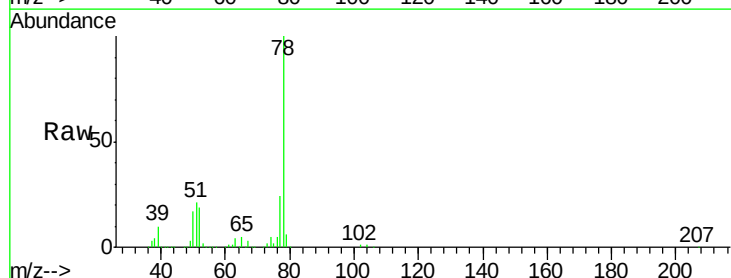
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

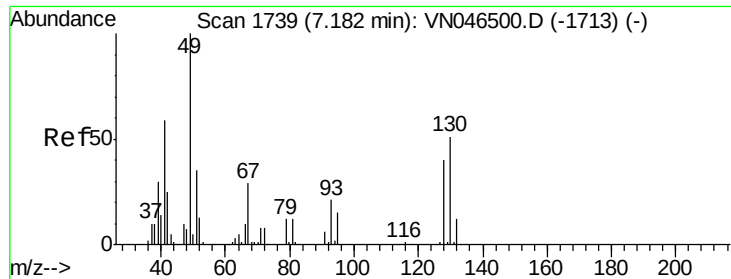
Tgt Ion:117 Resp: 336221
Ion Ratio Lower Upper
117 100
119 95.4 77.7 116.5
121 30.2 25.1 37.7



#34
Benzene
Concen: 91.37 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion: 78 Resp: 1198436
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2
51 20.7 25.4 38.0#

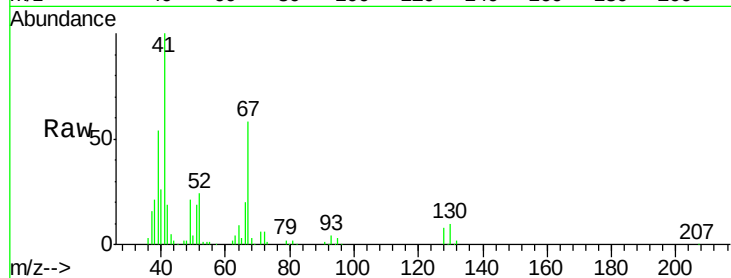




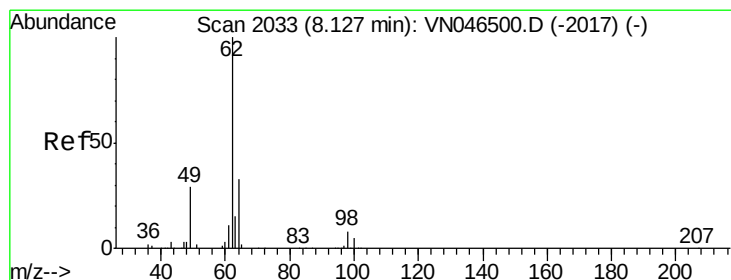
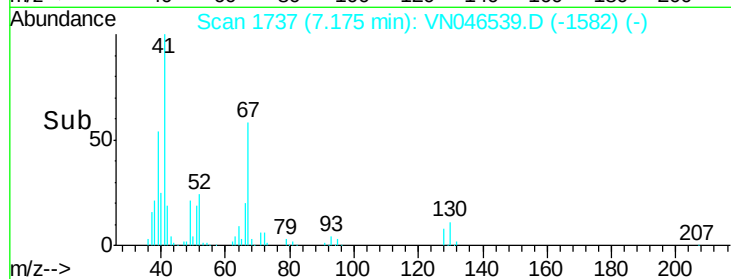
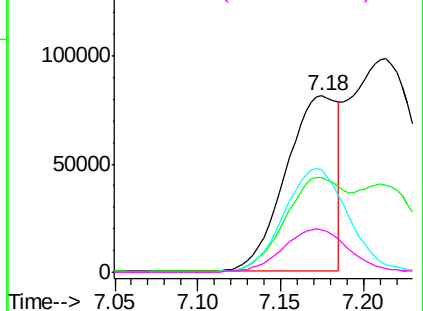
#35
Methacrylonitrile
Concen: 100.21 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion:	41	Resp:	175849
Ion	Ratio	Lower	Upper
41	100		
39	53.5	26.6	79.8
67	58.1	28.0	83.9
52	24.0	12.7	38.1

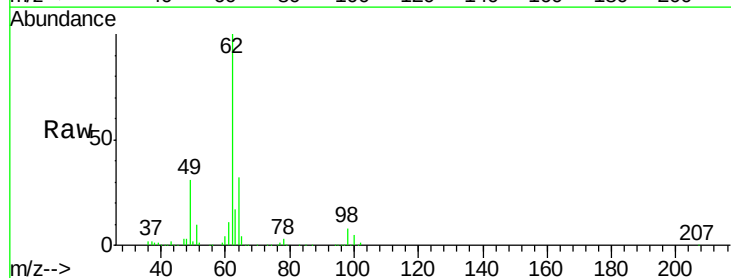


Abundance Ion 41.00 (40.70 to 41.70): VN046539.D (-1582) (-)
Ion 39.00 (38.70 to 39.70): VN046539.D (-1582) (-)
Ion 67.00 (66.70 to 67.70): VN046539.D (-1582) (-)
Ion 52.00 (51.70 to 52.70): VN046539.D (-1582) (-)

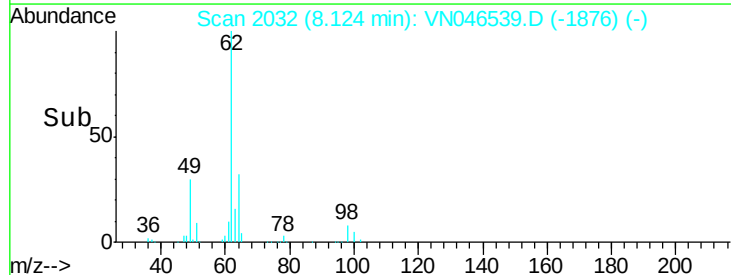
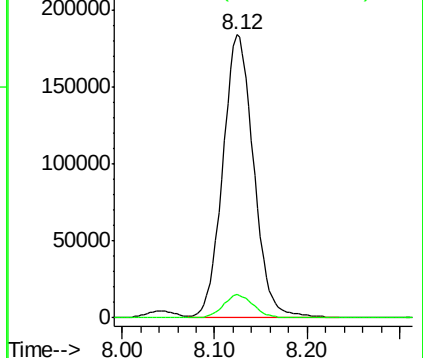


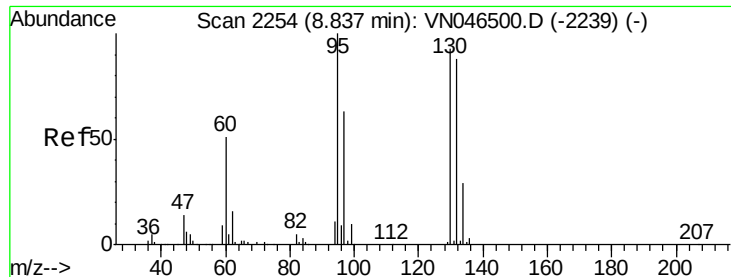
#36
1,2-Dichloroethane
Concen: 90.96 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion:	62	Resp:	422171
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.7	10.1



Abundance Ion 62.00 (61.70 to 62.70): VN046539.D (-1876) (-)
Ion 98.00 (97.70 to 98.70): VN046539.D (-1876) (-)





#37

Trichloroethene

Concen: 96.91 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

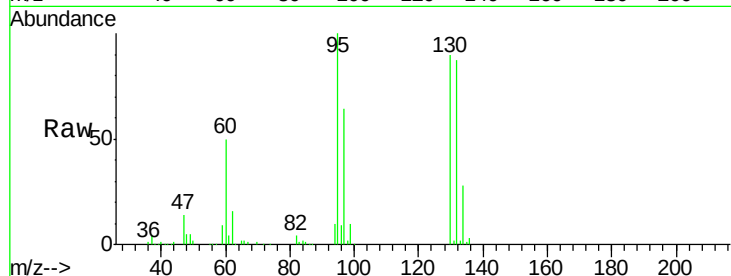
VSTDIC100

Tgt Ion:130 Resp: 273167

Ion Ratio Lower Upper

130 100

95 110.7 90.7 136.1



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0

150000

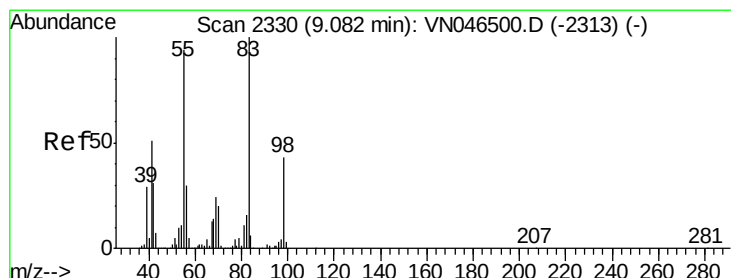
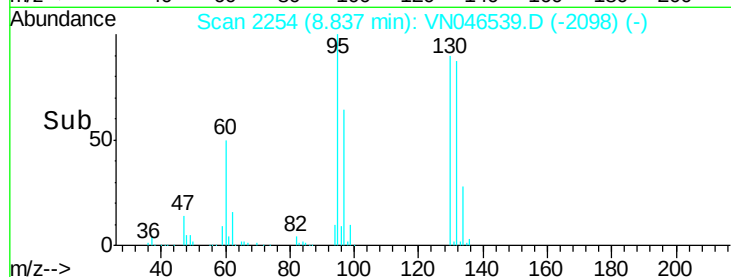
100000

50000

0

8.70 8.80 8.90 9.00

Time-->



#38

Methylcyclohexane

Concen: 112.42 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

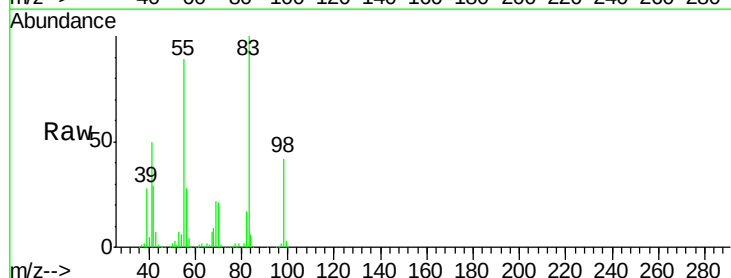
Tgt Ion: 83 Resp: 495737

Ion Ratio Lower Upper

83 100

55 87.6 43.9 131.6

98 41.8 21.1 63.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

300000

250000

200000

150000

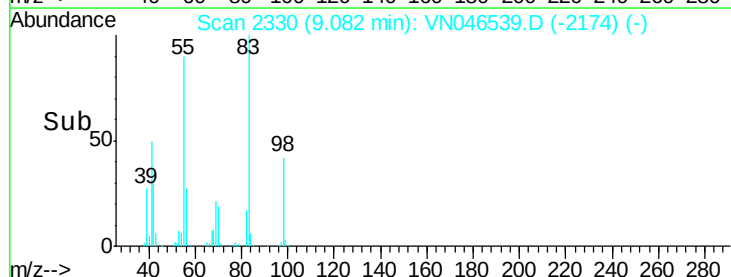
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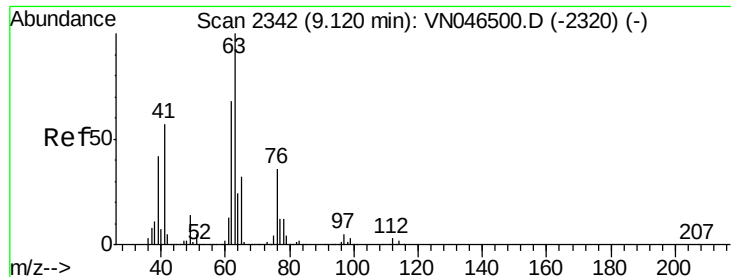
50000

0

9.00 9.10 9.20

Time-->

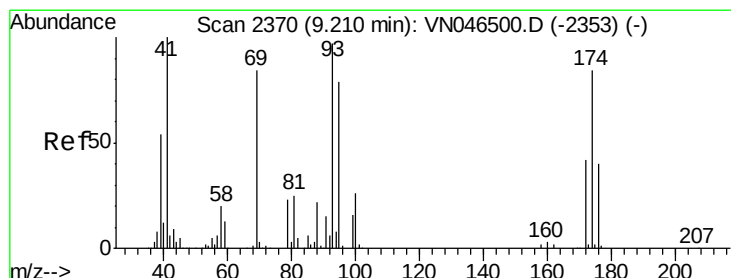
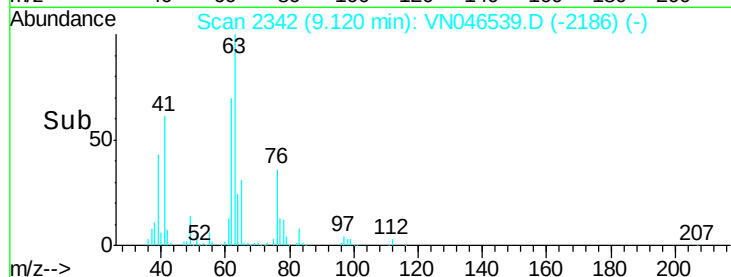
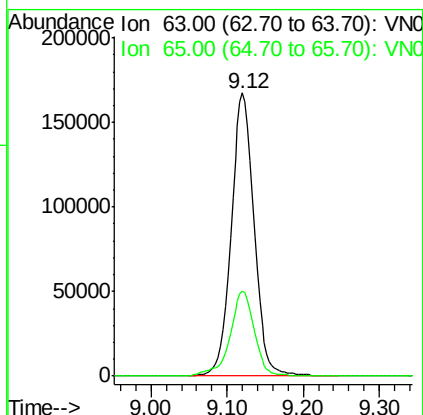
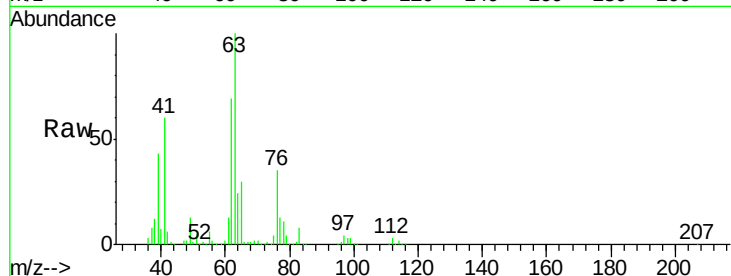




#39
 1,2-Dichloropropane
 Concen: 93.55 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

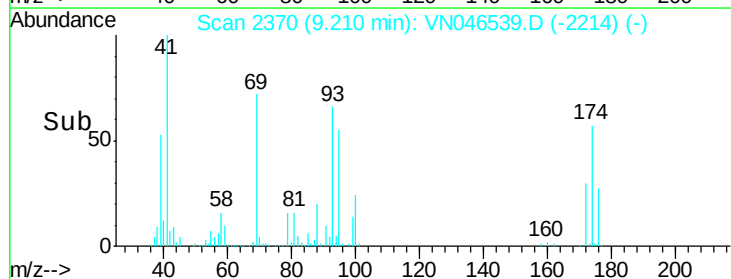
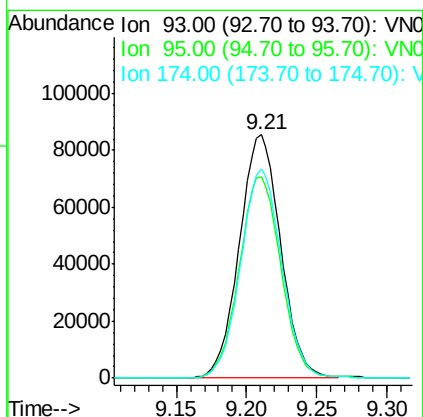
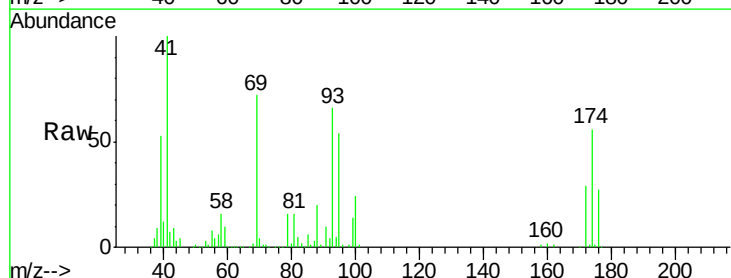
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

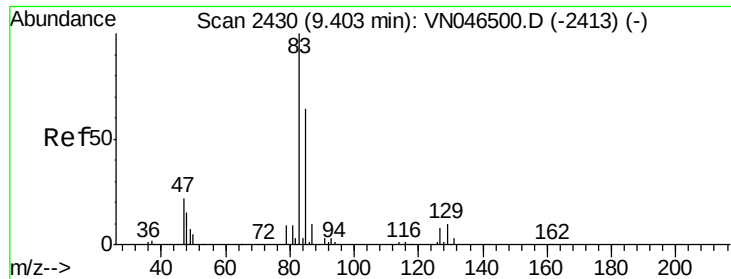
Tgt Ion: 63 Resp: 350305
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 37.0



#40
 Dibromomethane
 Concen: 90.15 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 93 Resp: 175212
 Ion Ratio Lower Upper
 93 100
 95 83.8 0.0 169.8
 174 85.5 0.0 170.4

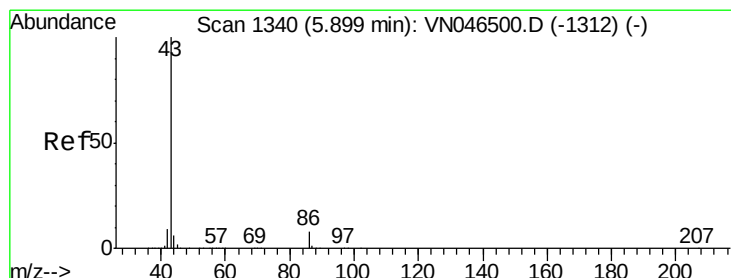
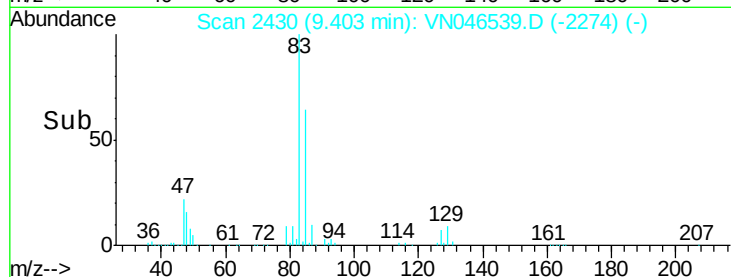
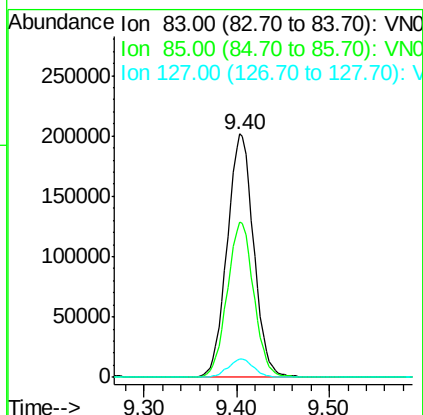
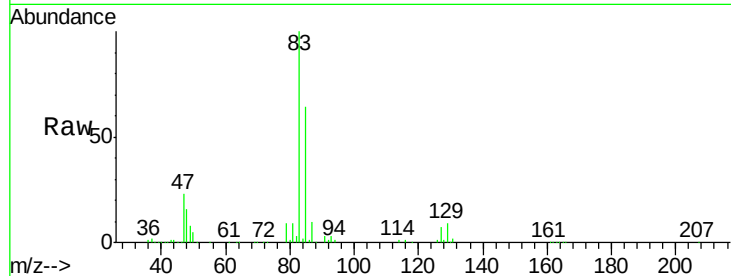




#41
 Bromodichloromethane
 Concen: 95.04 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

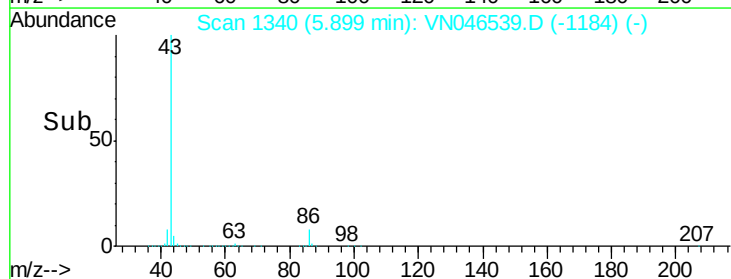
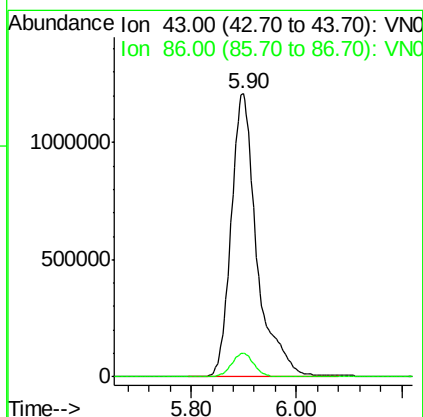
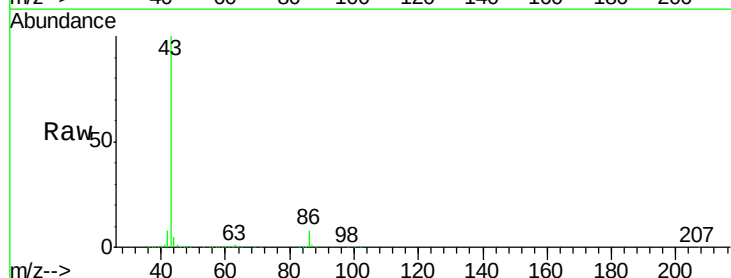
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

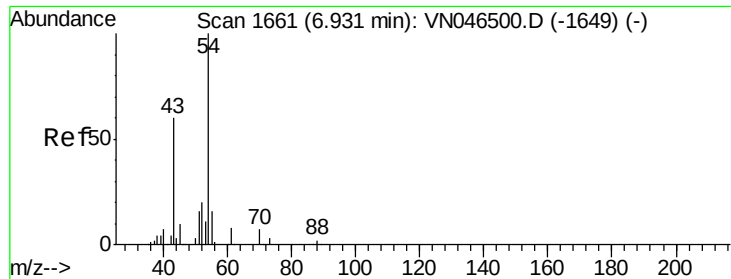
Tgt Ion: 83 Resp: 397915
 Ion Ratio Lower Upper
 83 100
 85 63.8 53.6 80.4
 127 7.5 6.0 9.0



#42
 Vinyl Acetate
 Concen: 543.59 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 43 Resp: 4080352
 Ion Ratio Lower Upper
 43 100
 86 7.4 5.7 8.5

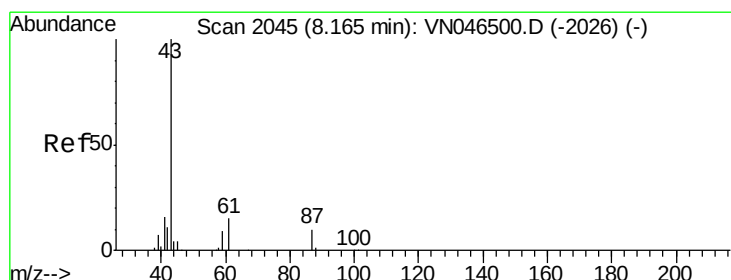
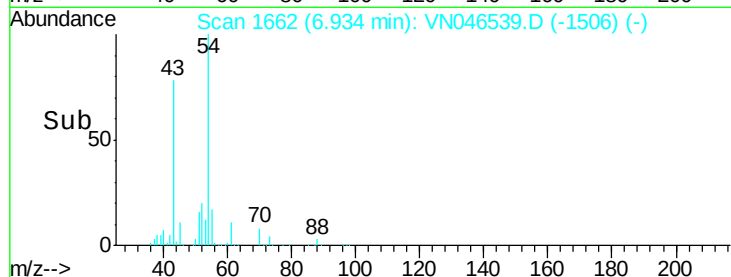
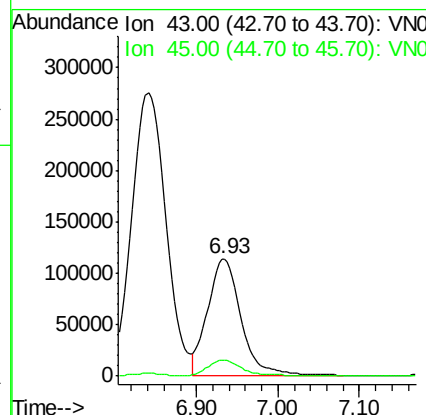
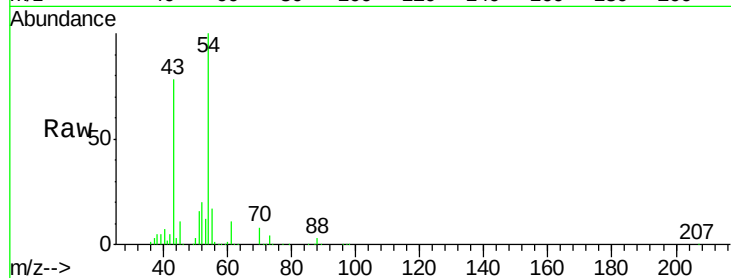




#43
Ethyl Acetate
Concen: 103.44 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

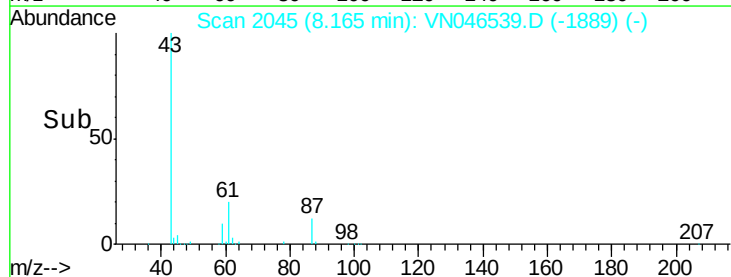
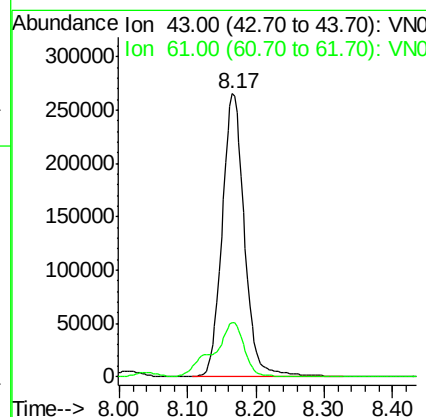
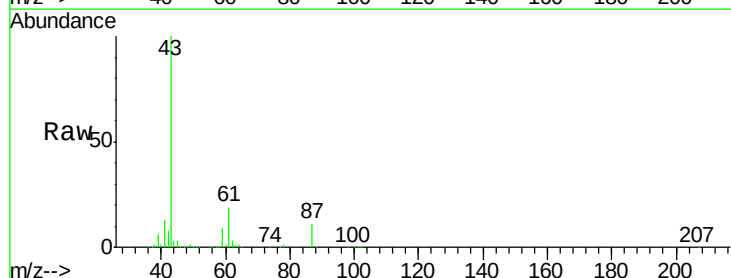
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

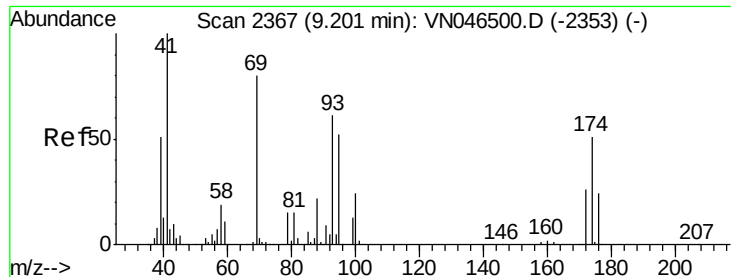
Tgt Ion: 43 Resp: 321500
Ion Ratio Lower Upper
43 100
45 14.5 10.4 15.6



#44
Isopropyl Acetate
Concen: 112.21 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion: 43 Resp: 598878
Ion Ratio Lower Upper
43 100
61 19.2 15.0 22.6

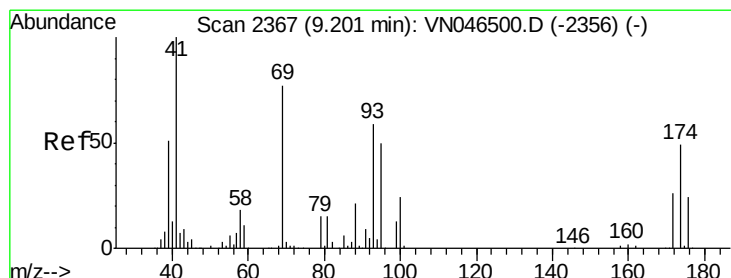
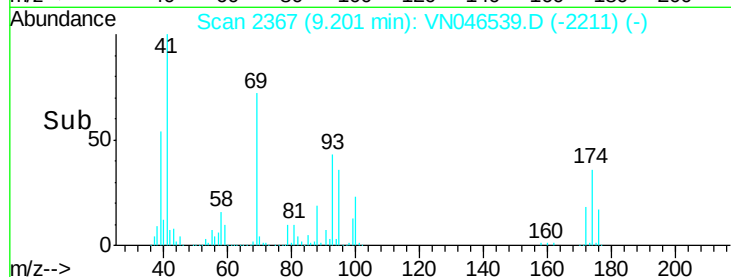
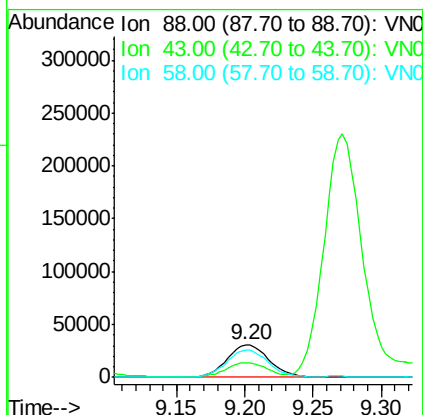
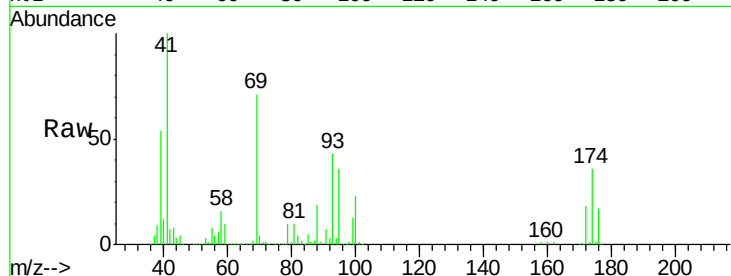




#45
1,4-Dioxane
Concen: 2220.28 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

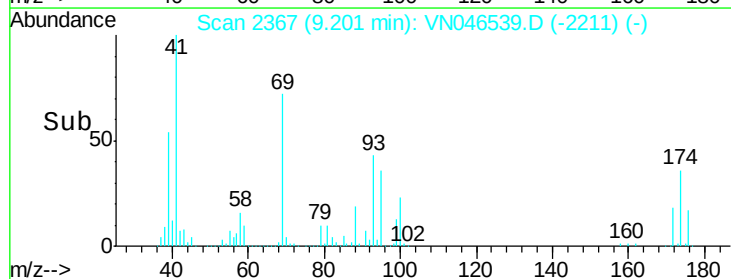
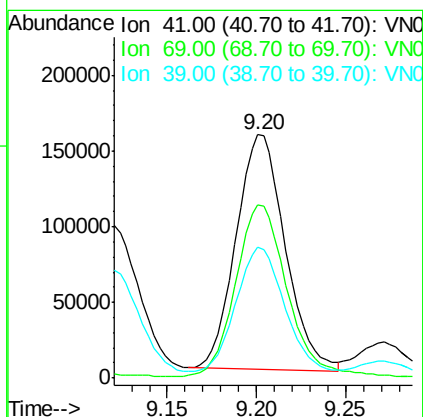
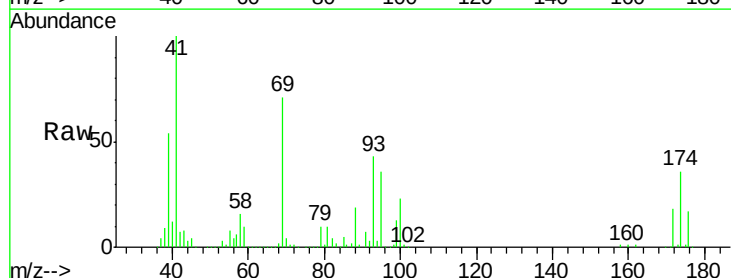
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

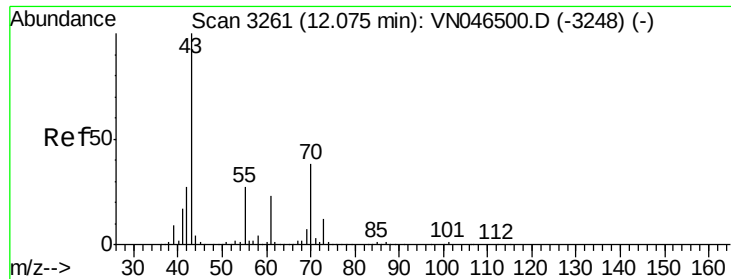
Tgt Ion: 88 Resp: 65968
Ion Ratio Lower Upper
88 100
43 40.4 35.2 52.8
58 83.1 71.2 106.8



#46
Methyl methacrylate
Concen: 122.55 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion: 41 Resp: 299327
Ion Ratio Lower Upper
41 100
69 73.3 36.0 108.0
39 53.4 27.6 82.8





#47

n-amyl Acetate

Concen: 113.41 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

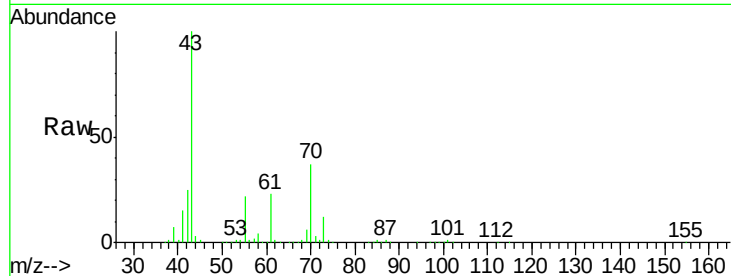
VSTDIC100

Tgt Ion: 43 Resp: 567931

Ion Ratio Lower Upper

43 100

55 21.6 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.08

400000

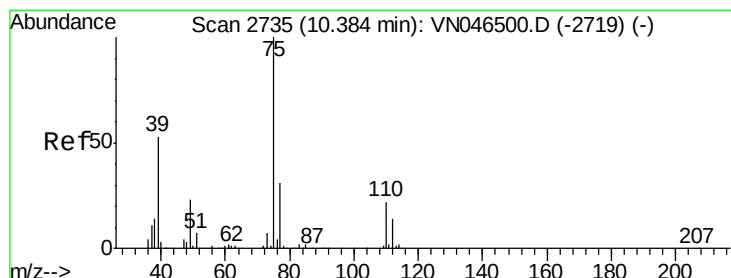
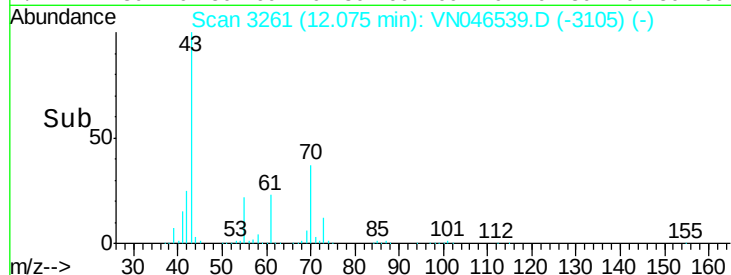
300000

200000

100000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 109.63 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN046539.D

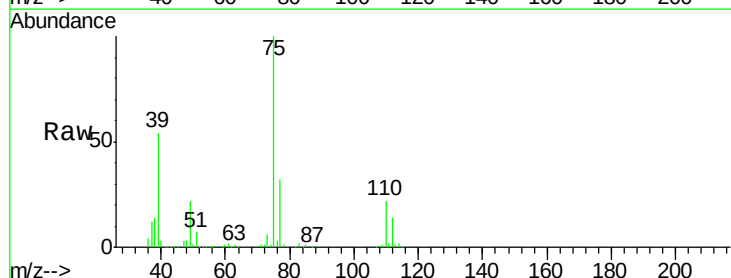
Acq: 24 Jan 2018 11:36

Tgt Ion: 75 Resp: 473511

Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

300000

250000

200000

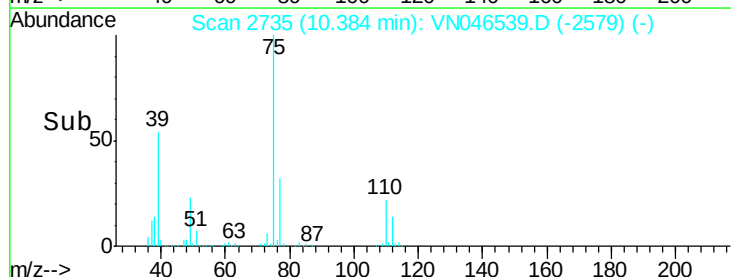
150000

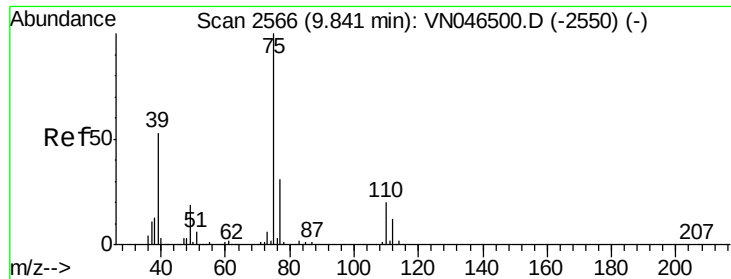
100000

50000

0

Time-->

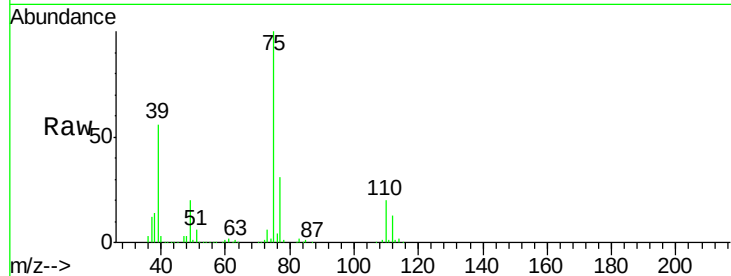




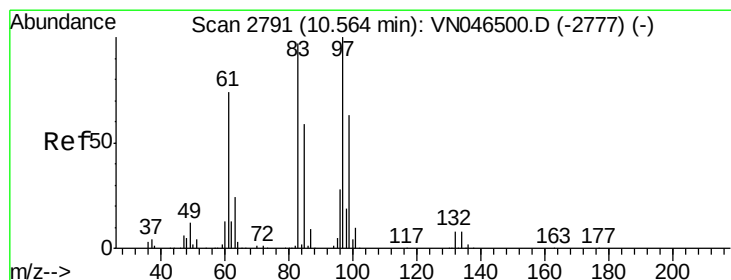
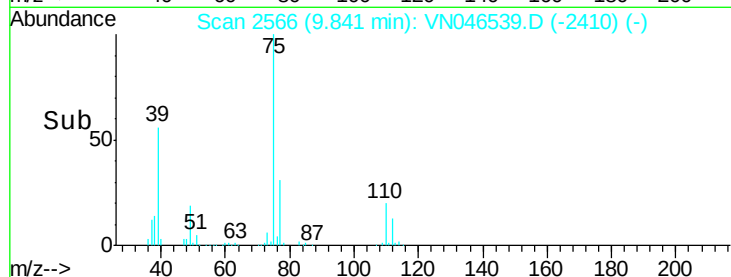
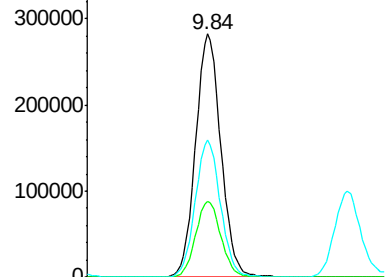
#49
 cis-1,3-Dichloropropene
 Concen: 104.14 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 75 Resp: 525275
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4
 39 56.3 45.1 67.7

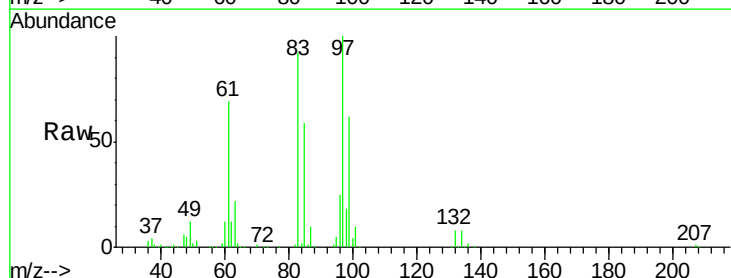


Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO

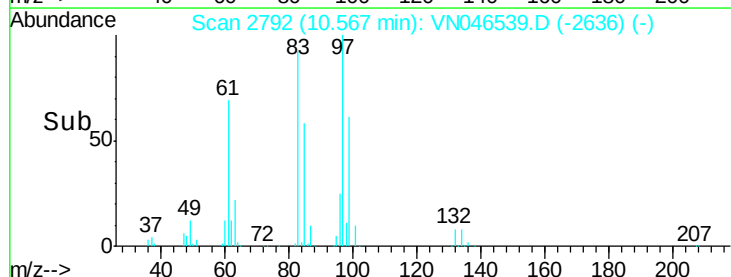
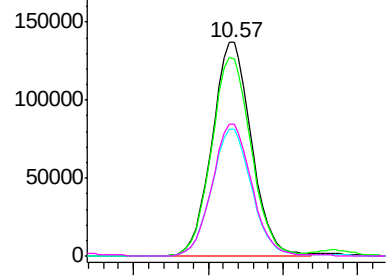


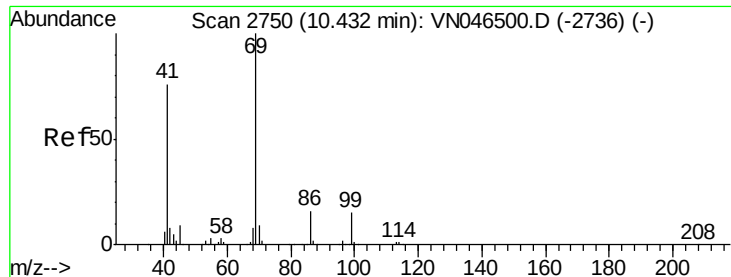
#50
 1,1,2-Trichloroethane
 Concen: 92.36 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 97 Resp: 251041
 Ion Ratio Lower Upper
 97 100
 83 92.4 74.8 112.2
 85 59.3 47.5 71.3
 99 61.8 49.4 74.0



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





#51

Ethyl methacrylate

Concen: 120.56 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

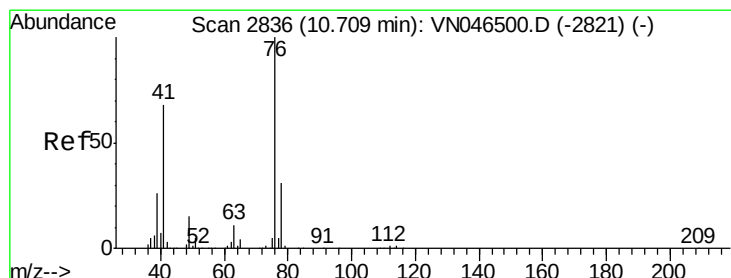
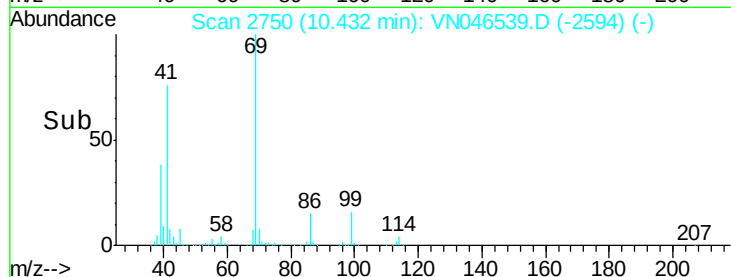
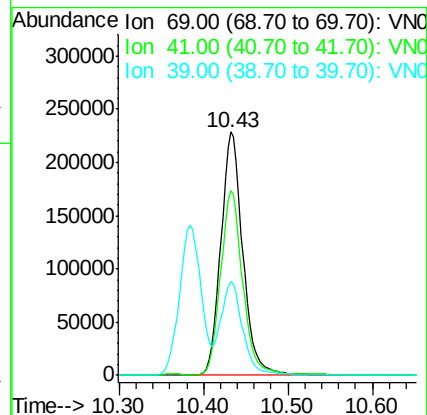
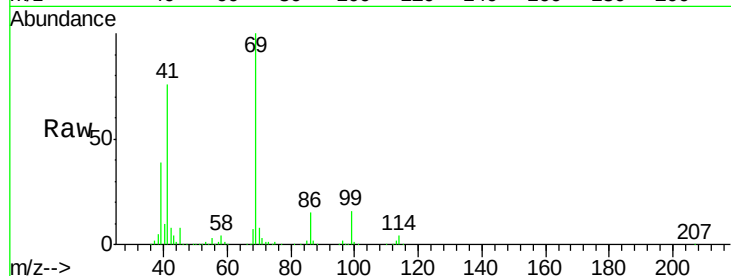
Tgt Ion: 69 Resp: 414399

Ion Ratio Lower Upper

69 100

41 75.8 37.8 113.4

39 38.4 19.3 57.8



#52

1,3-Dichloropropane

Concen: 95.43 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046539.D

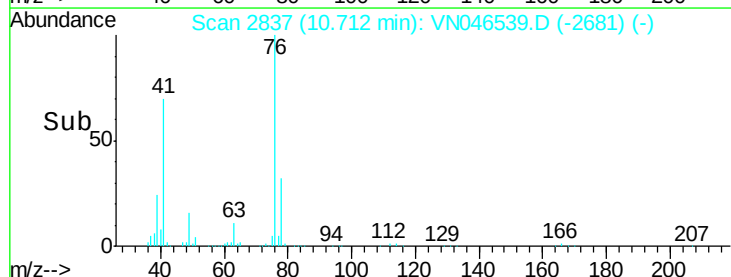
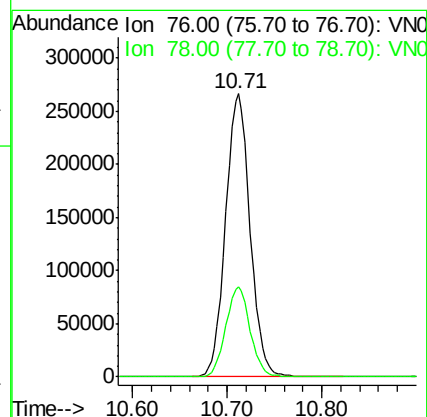
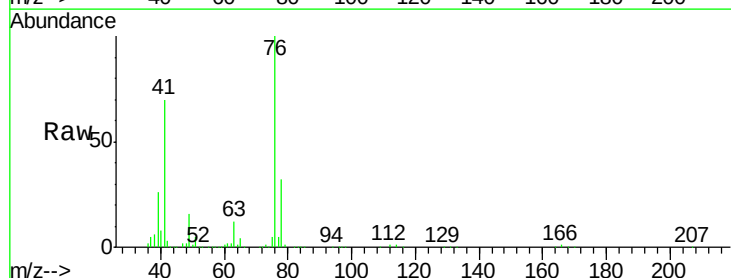
Acq: 24 Jan 2018 11:36

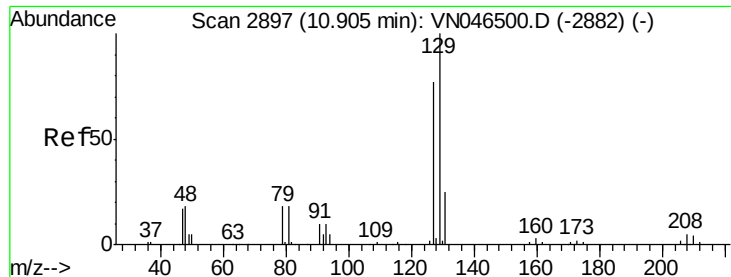
Tgt Ion: 76 Resp: 479144

Ion Ratio Lower Upper

76 100

78 31.8 0.0 63.6





#53

Dibromochloromethane

Concen: 101.42 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

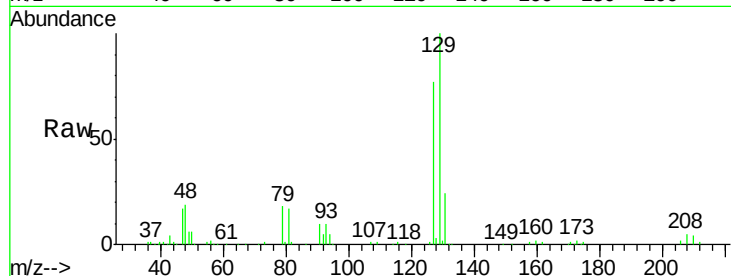
VSTDIC100

Tgt Ion:129 Resp: 265328

Ion Ratio Lower Upper

129 100

127 77.2 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

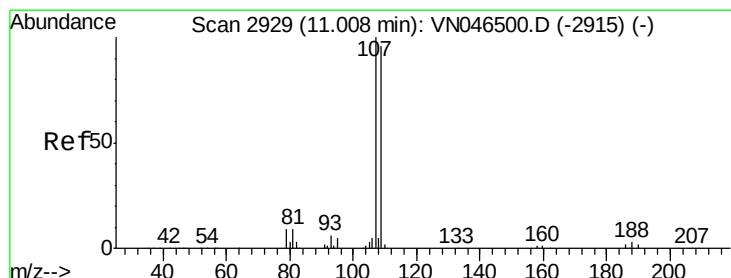
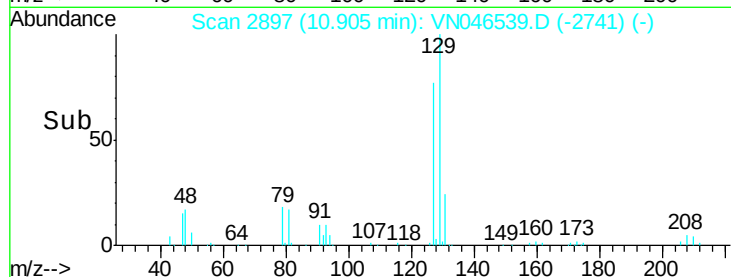
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 93.55 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN046539.D

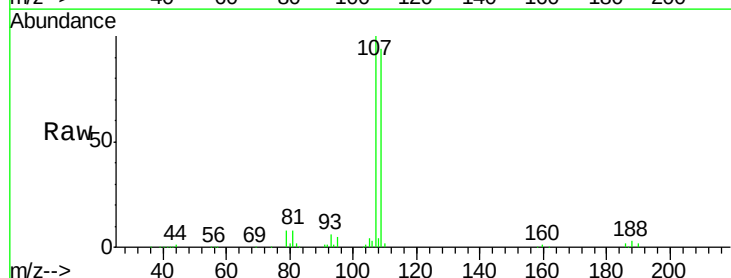
Acq: 24 Jan 2018 11:36

Tgt Ion:107 Resp: 229135

Ion Ratio Lower Upper

107 100

109 94.3 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

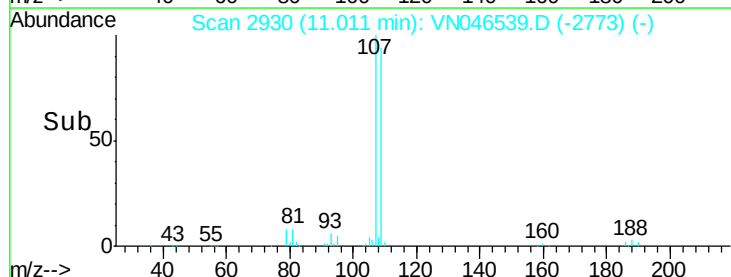
150000

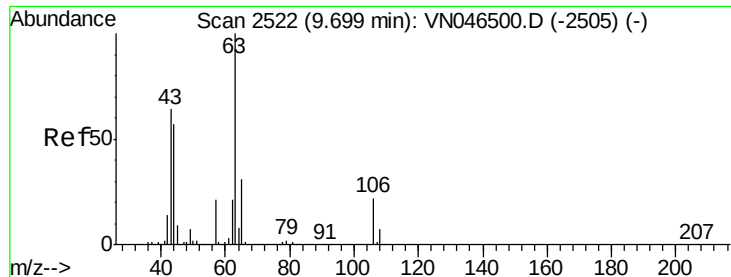
100000

50000

0

Time--> 11.00 11.10

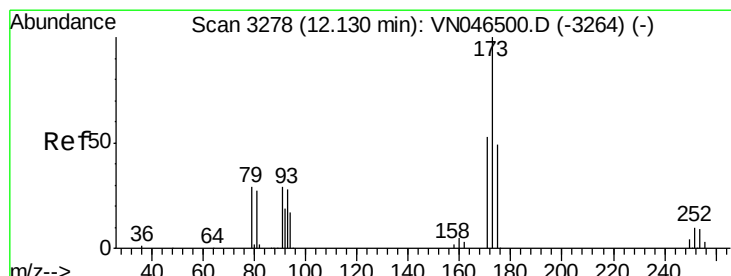
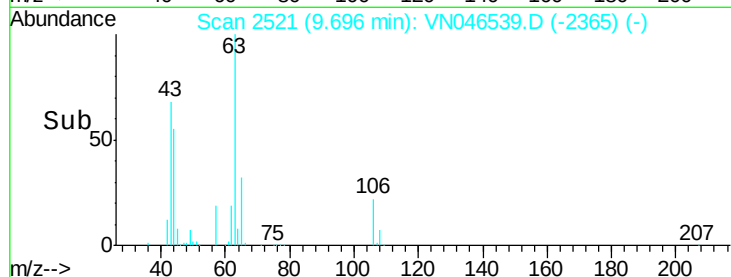
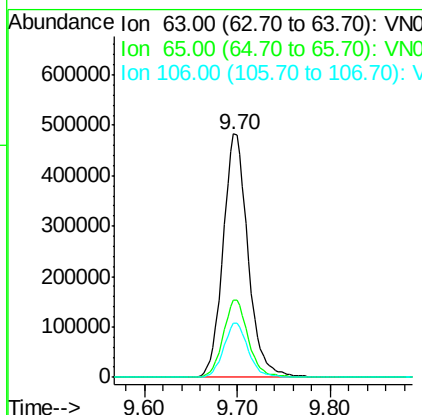
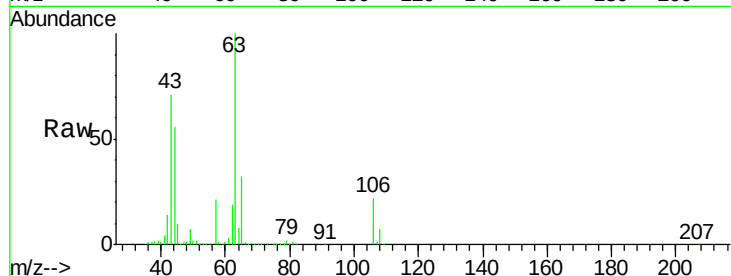




#55
 2-Chloroethyl vinyl ether
 Concen: 499.47 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

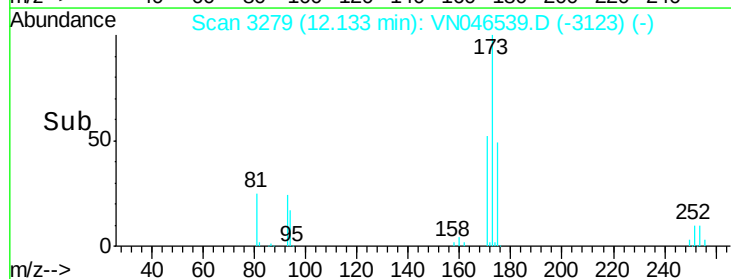
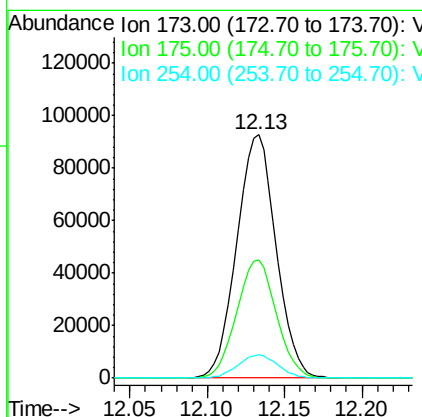
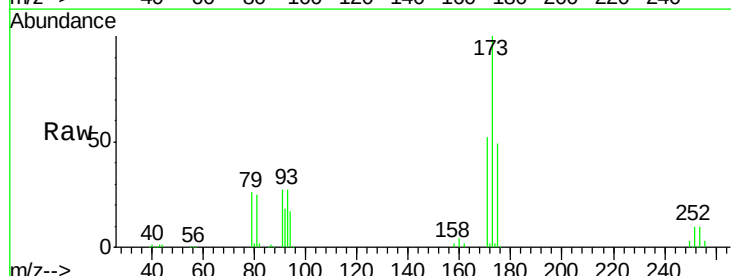
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

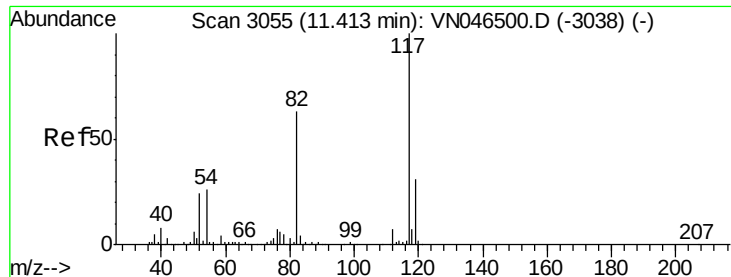
Tgt Ion: 63 Resp: 901960
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.7 38.5
 106 22.0 17.7 26.5



#56
 Bromoform
 Concen: 108.39 ug/l
 RT: 12.13 min Scan# 3279
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 173 Resp: 164162
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.5 57.7
 254 9.6 7.3 10.9

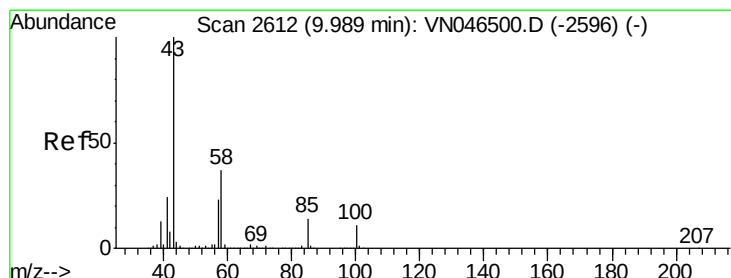
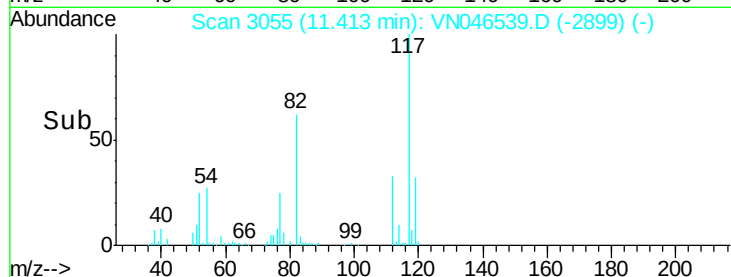
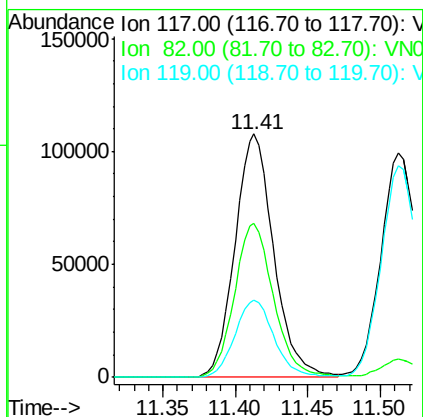
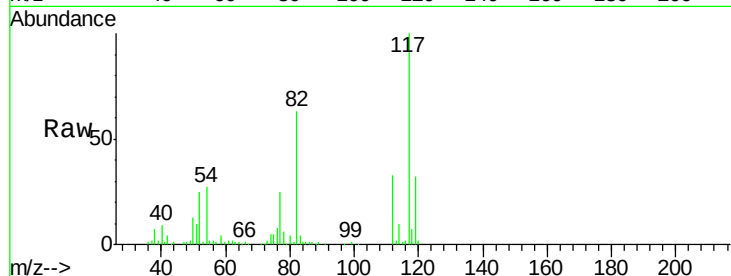




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

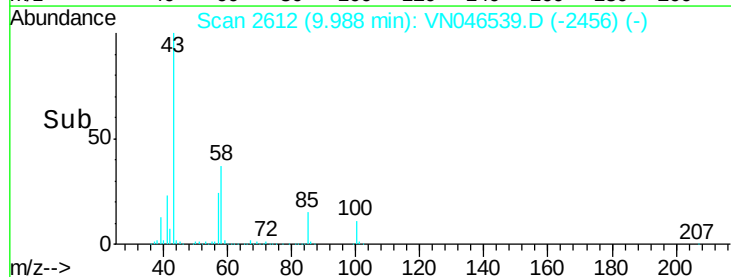
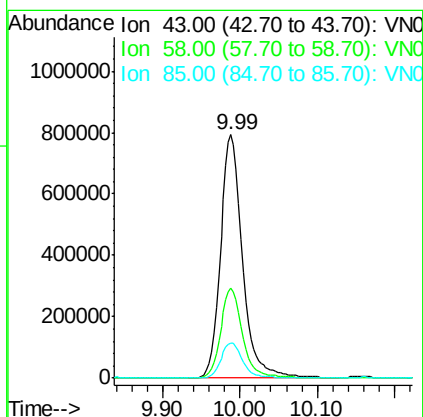
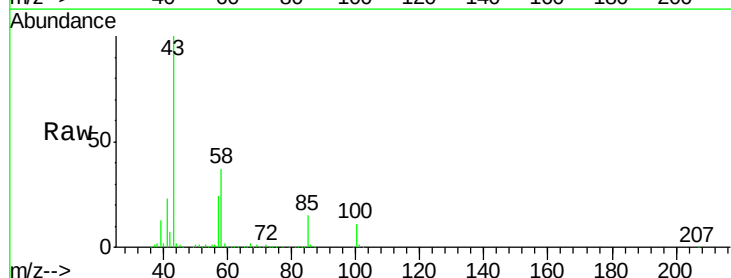
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

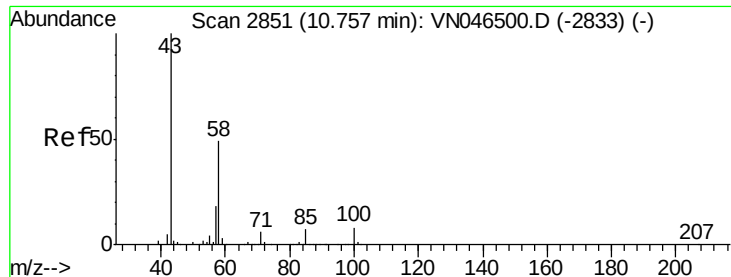
Tgt Ion:117 Resp: 200392
Ion Ratio Lower Upper
117 100
82 63.9 51.5 77.3
119 32.1 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 563.03 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion: 43 Resp: 1570852
Ion Ratio Lower Upper
43 100
58 36.8 29.4 44.2
85 14.7 11.5 17.3

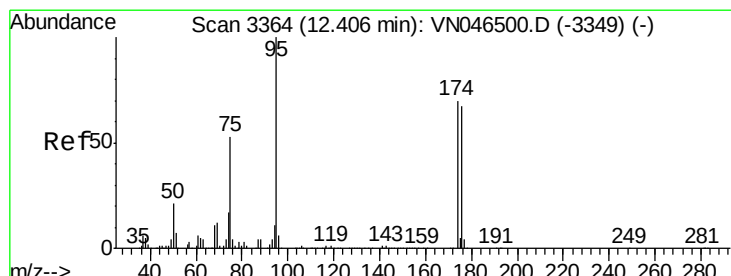
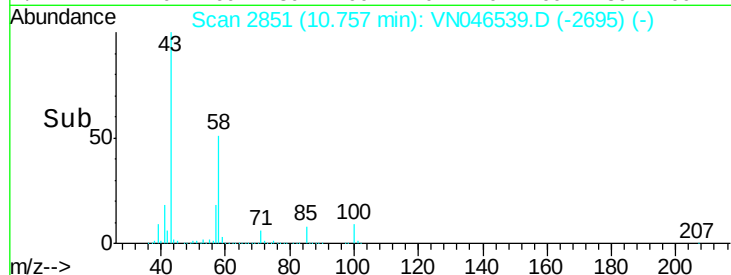
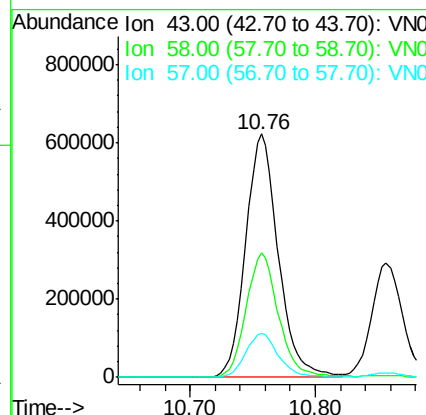
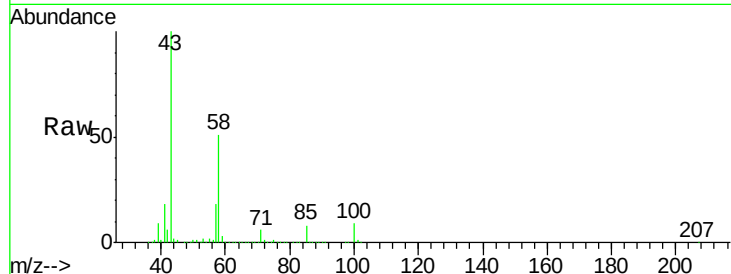




#59
2-Hexanone
Concen: 569.69 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

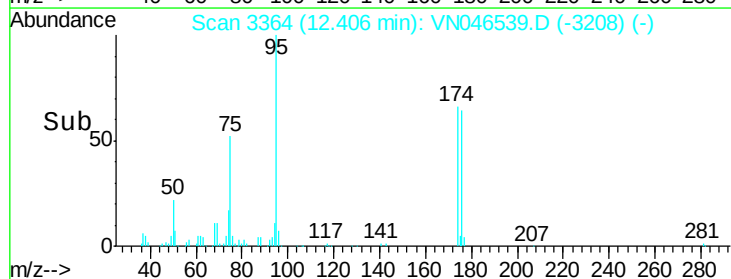
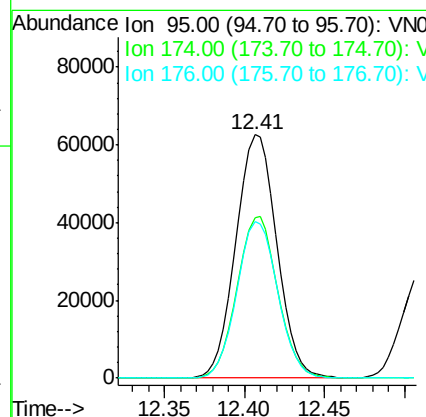
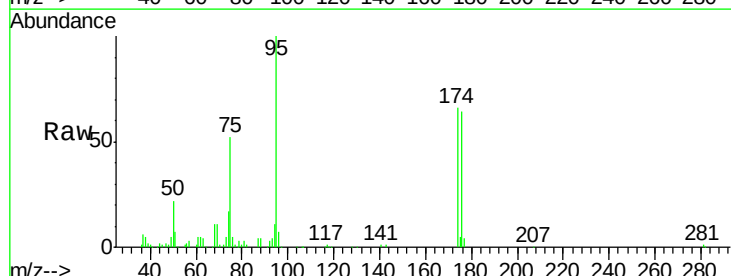
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

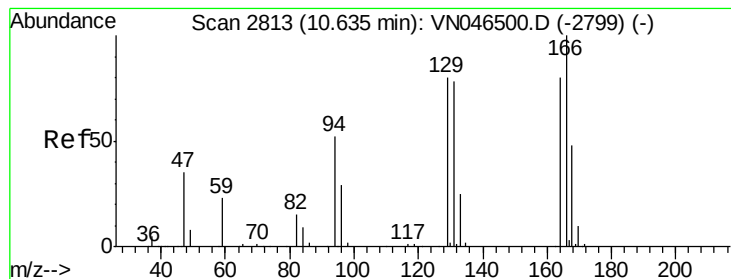
Tgt Ion: 43 Resp: 1126377
Ion Ratio Lower Upper
43 100
58 51.0 41.4 62.0
57 18.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 32.17 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion: 95 Resp: 109549
Ion Ratio Lower Upper
95 100
174 65.7 52.5 78.7
176 64.1 50.6 75.8





#61

Tetrachloroethene

Concen: 98.66 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 221204

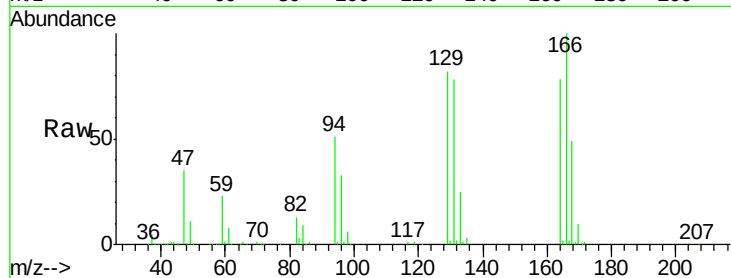
Ion Ratio Lower Upper

164 100

166 127.9 101.6 152.4

129 104.7 83.8 125.6

131 99.8 79.8 119.8

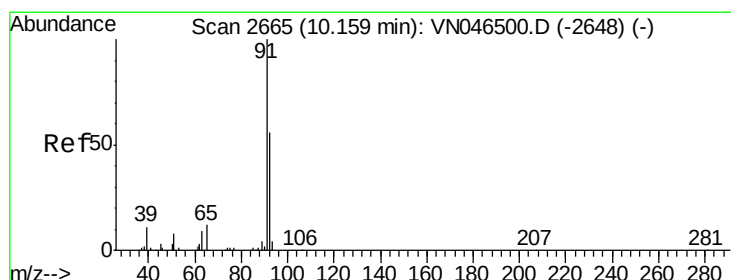
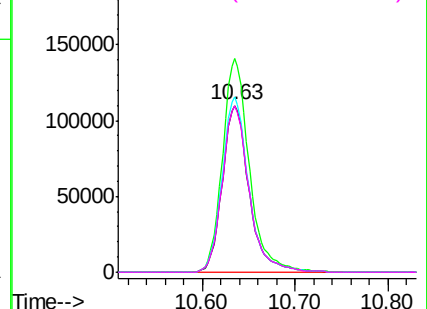
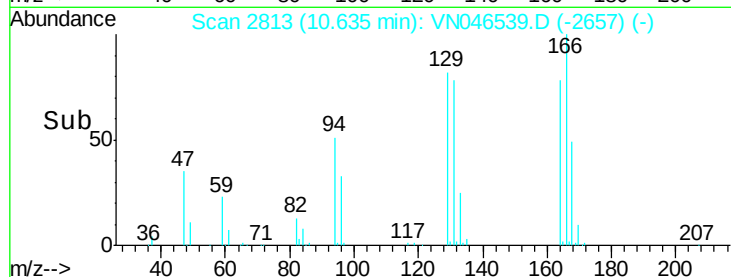


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 96.20 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN046539.D

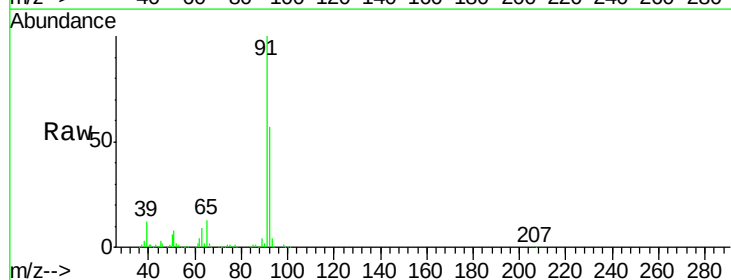
Acq: 24 Jan 2018 11:36

Tgt Ion: 91 Resp: 1209981

Ion Ratio Lower Upper

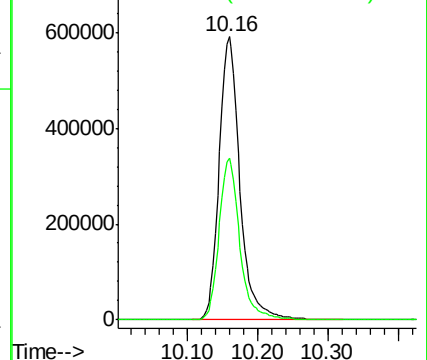
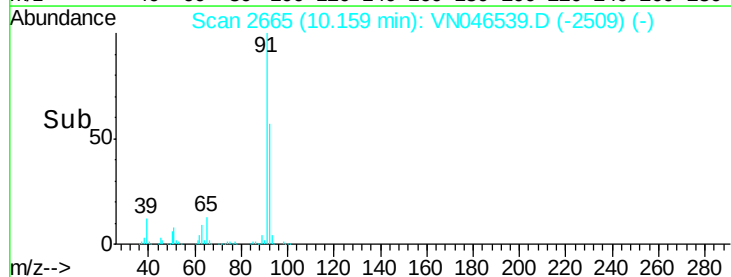
91 100

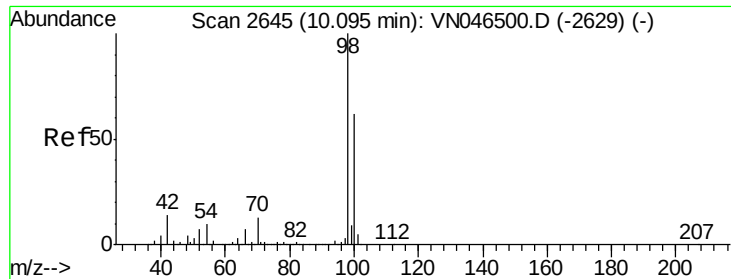
92 57.1 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 28.81 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

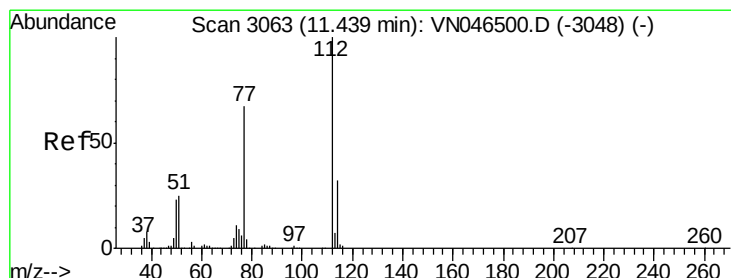
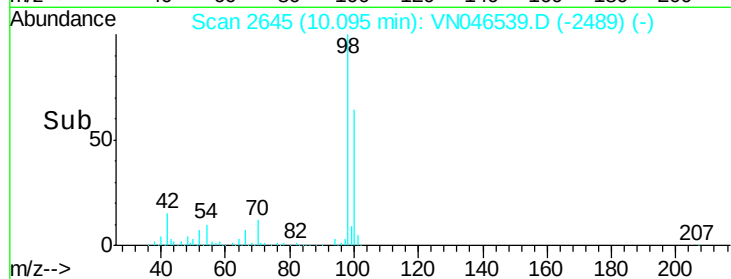
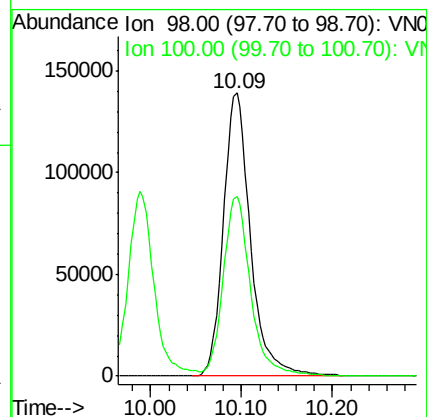
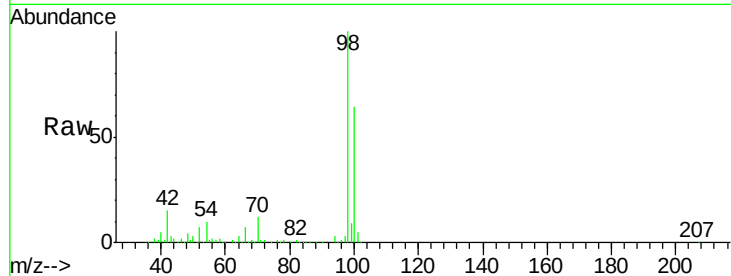
VSTDIC100

Tgt Ion: 98 Resp: 288018

Ion Ratio Lower Upper

98 100

100 64.4 50.8 76.2



#64

Chlorobenzene

Concen: 99.14 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN046539.D

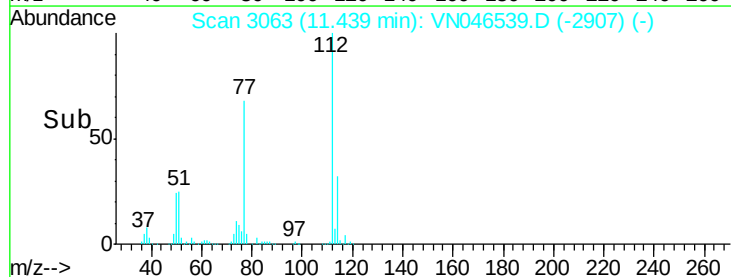
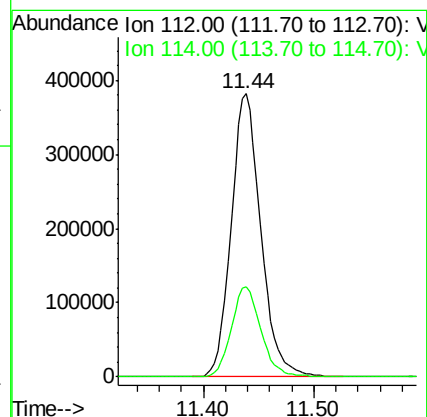
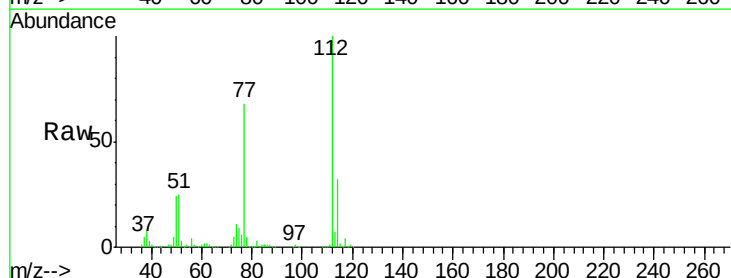
Acq: 24 Jan 2018 11:36

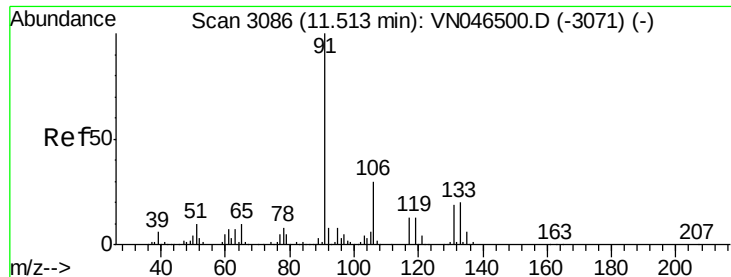
Tgt Ion: 112 Resp: 710882

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 98.56 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

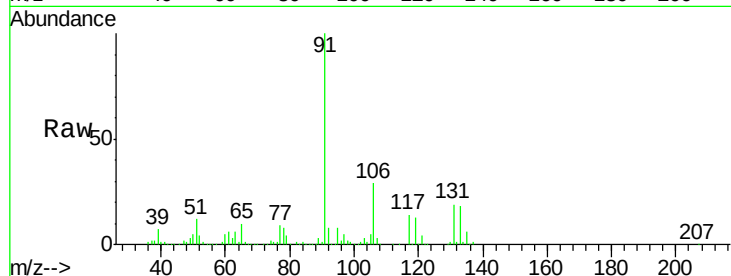
Tgt Ion: 131 Resp: 238602

Ion Ratio Lower Upper

131 100

133 95.9 0.0 191.6

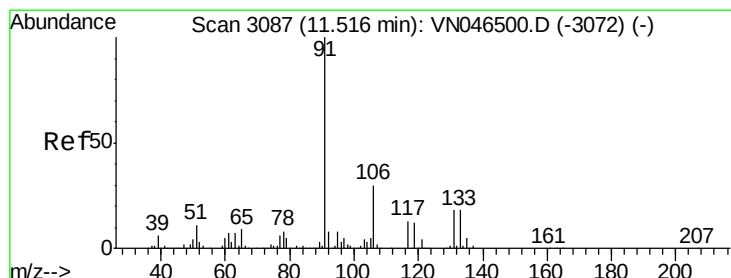
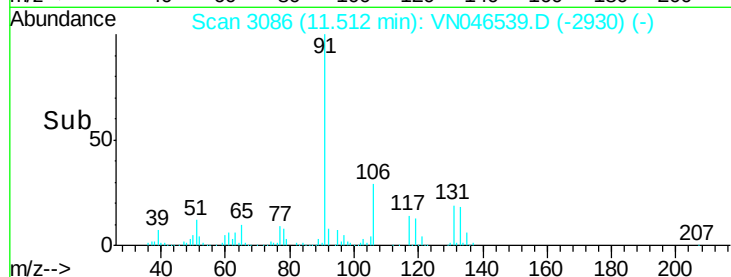
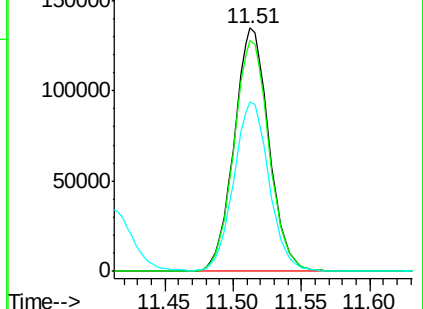
119 70.6 0.0 141.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 106.97 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046539.D

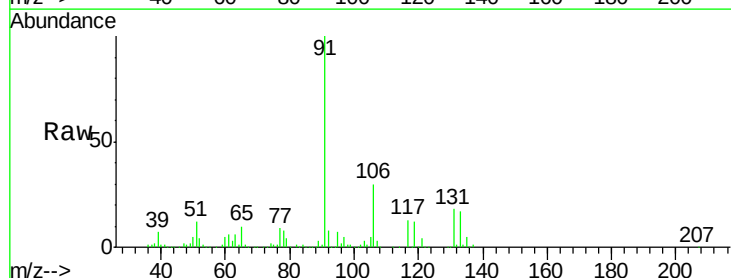
Acq: 24 Jan 2018 11:36

Tgt Ion: 91 Resp: 1331352

Ion Ratio Lower Upper

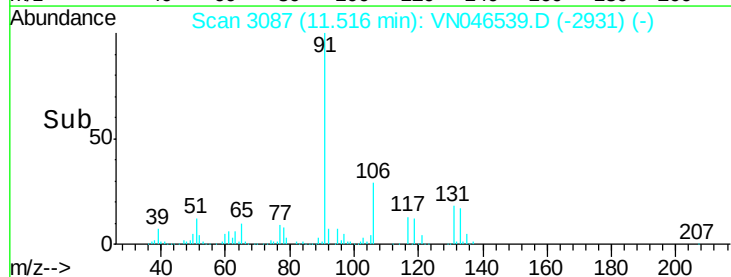
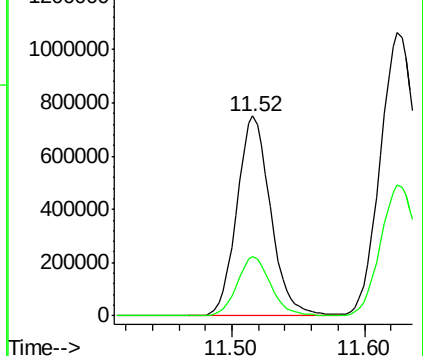
91 100

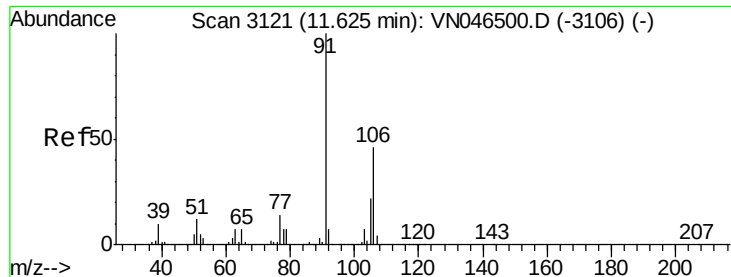
106 29.6 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

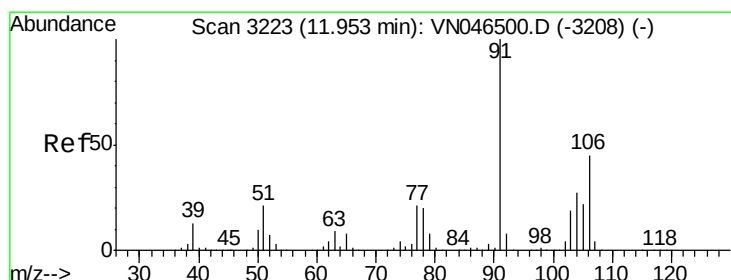
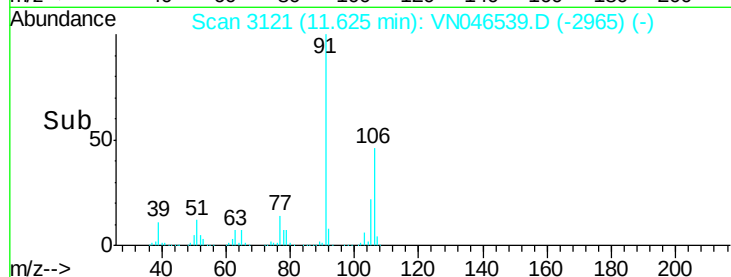
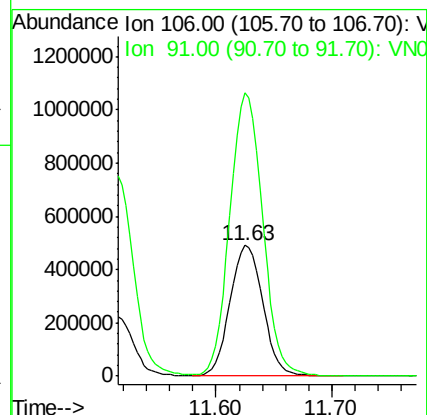
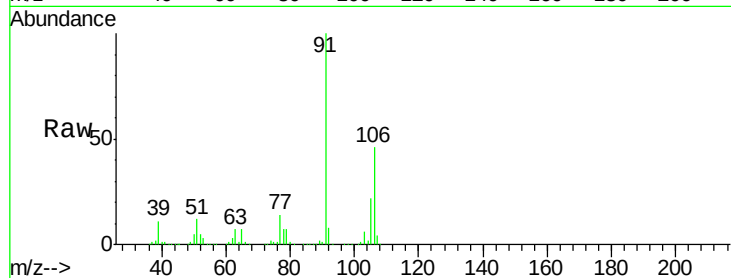




#67
m/p-Xylenes
Concen: 210.90 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

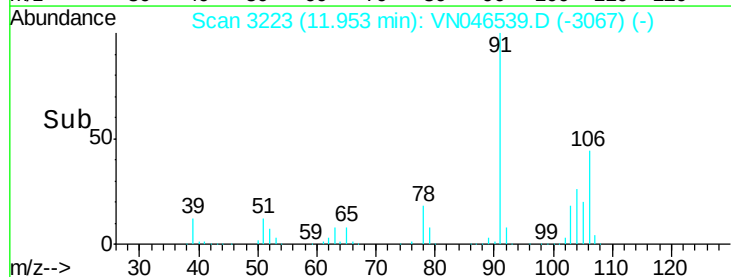
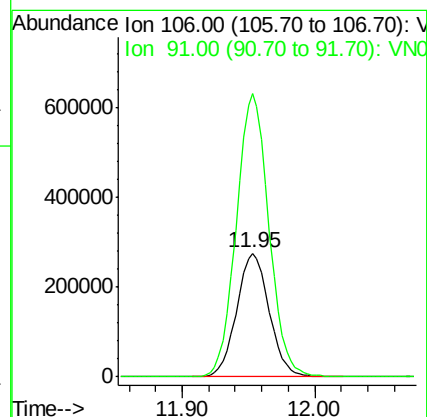
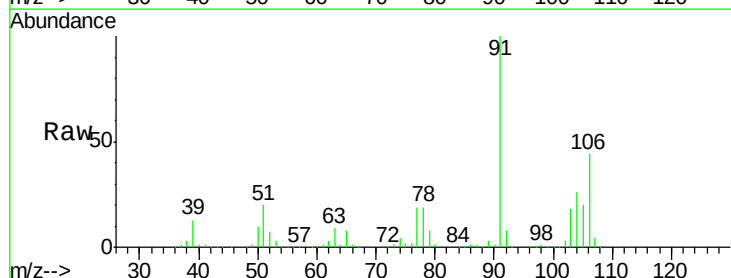
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

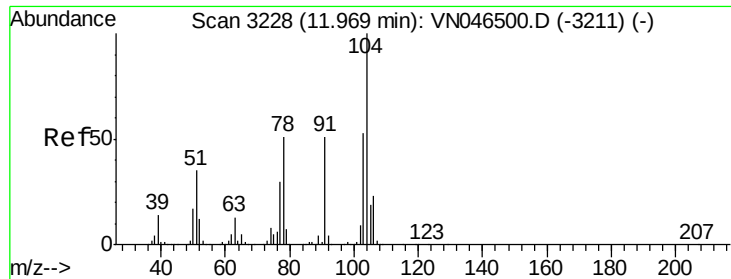
Tgt Ion:106 Resp: 965339
Ion Ratio Lower Upper
106 100
91 216.6 173.8 260.8



#68
o-Xylene
Concen: 106.79 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion:106 Resp: 467302
Ion Ratio Lower Upper
106 100
91 229.6 115.7 346.9

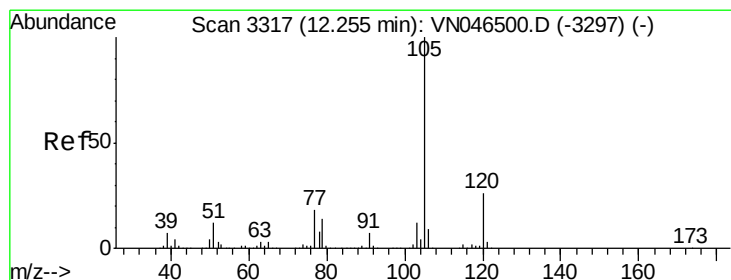
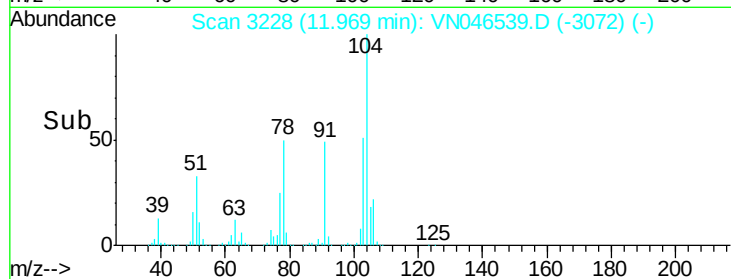
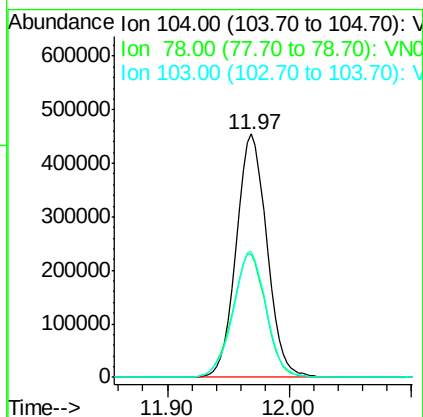
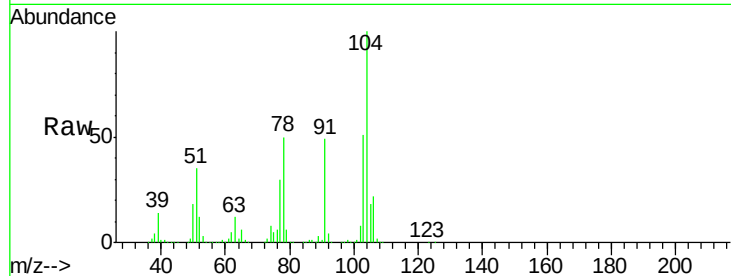




#69
Styrene
 Concen: 112.63 ug/l
 RT: 11.97 min Scan# 3228
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

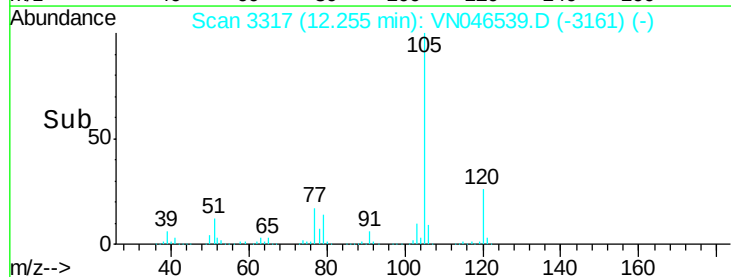
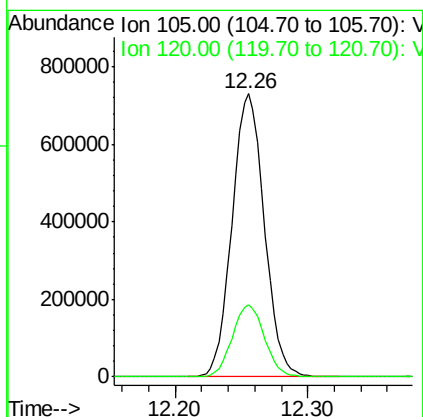
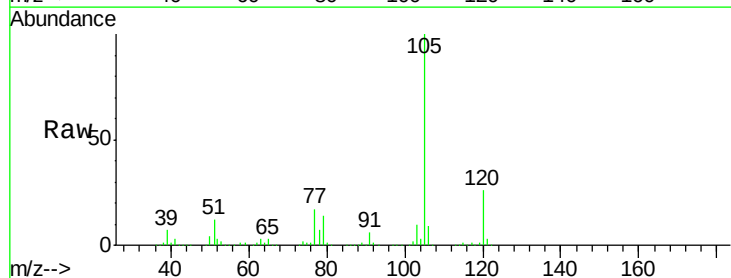
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

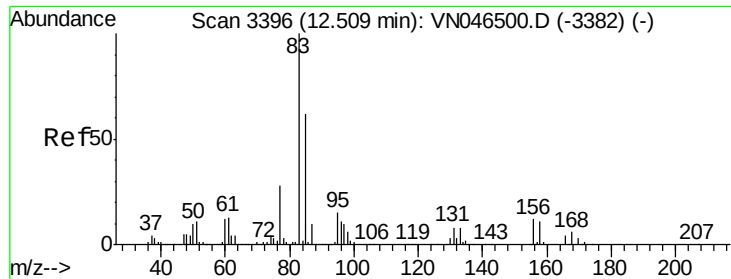
Tgt Ion:104 Resp: 789403
 Ion Ratio Lower Upper
 104 100
 78 55.8 45.5 68.3
 103 55.8 45.0 67.4



#70
Isopropylbenzene
 Concen: 106.95 ug/l
 RT: 12.26 min Scan# 3317
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion:105 Resp: 1234241
 Ion Ratio Lower Upper
 105 100
 120 25.5 17.8 33.1

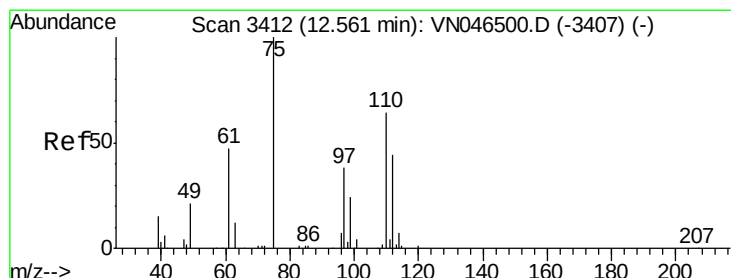
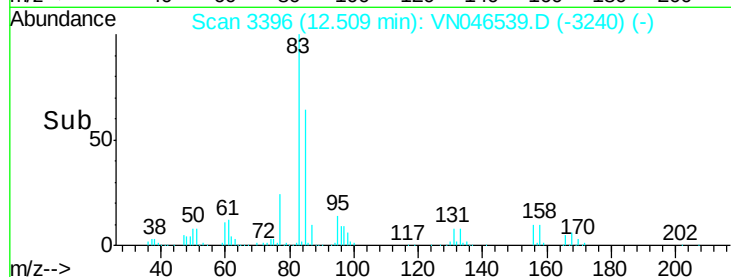
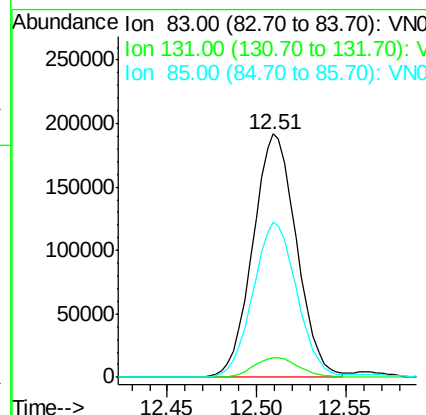
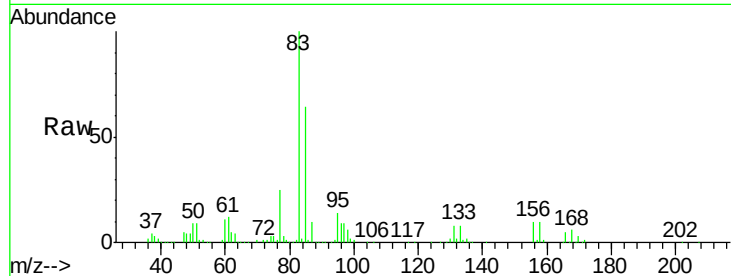




#71
 1,1,2,2-Tetrachloroethane
 Concen: 97.94 ug/l
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

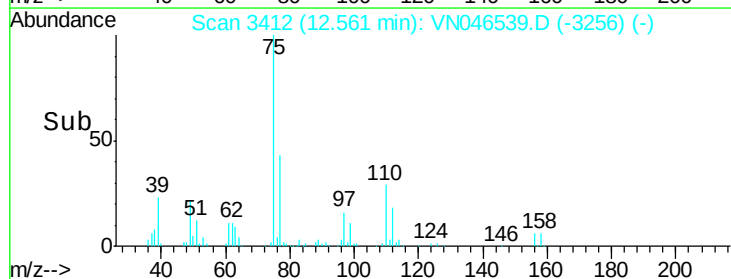
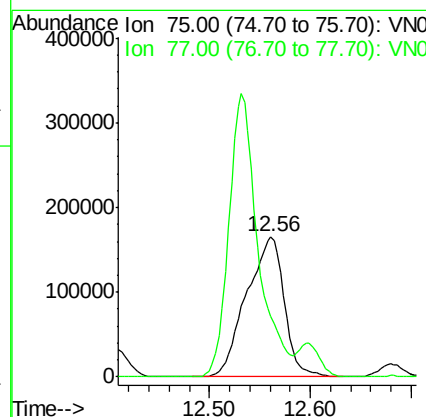
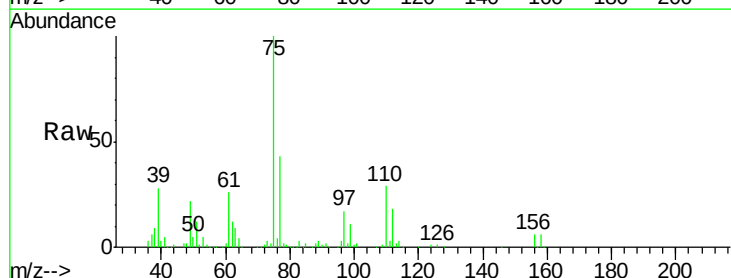
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

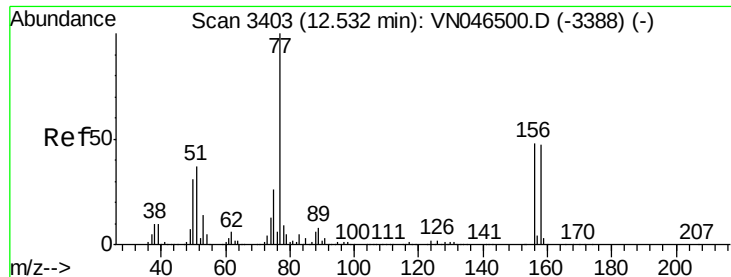
Tgt Ion: 83 Resp: 328429
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.5 13.5
 85 63.8 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 156.20 ug/l
 RT: 12.56 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion: 75 Resp: 428983
 Ion Ratio Lower Upper
 75 100
 77 157.8 0.0 479.2





#73

Bromobenzene

Concen: 98.33 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

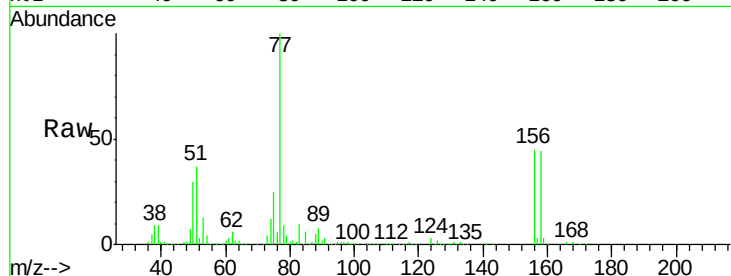
Tgt Ion:156 Resp: 264938

Ion Ratio Lower Upper

156 100

77 255.5 0.0 516.8

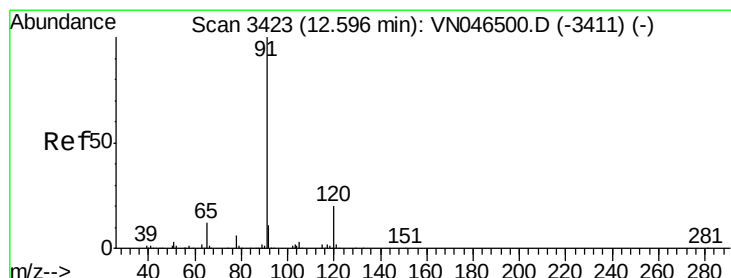
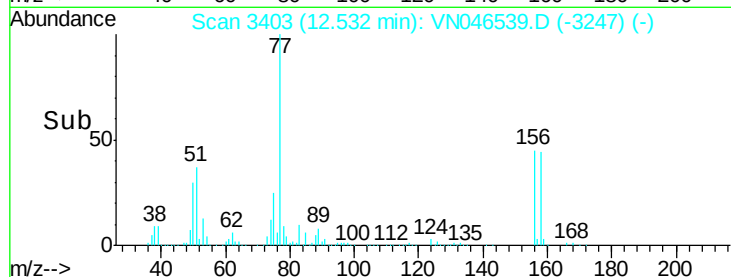
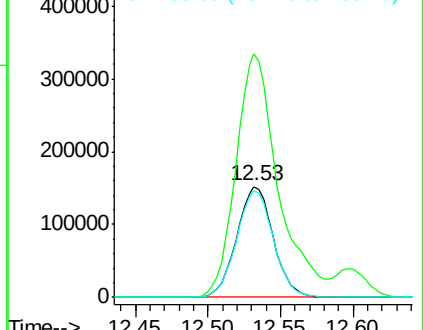
158 97.4 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 105.83 ug/l

RT: 12.60 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN046539.D

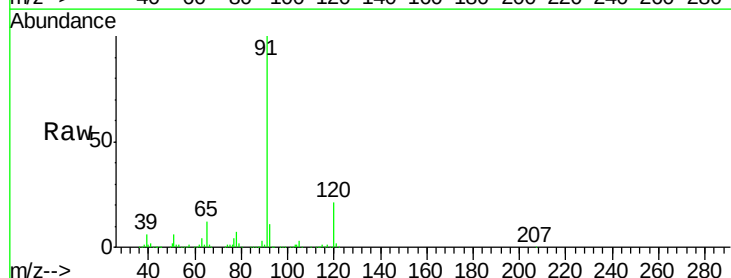
Acq: 24 Jan 2018 11:36

Tgt Ion: 91 Resp: 1567401

Ion Ratio Lower Upper

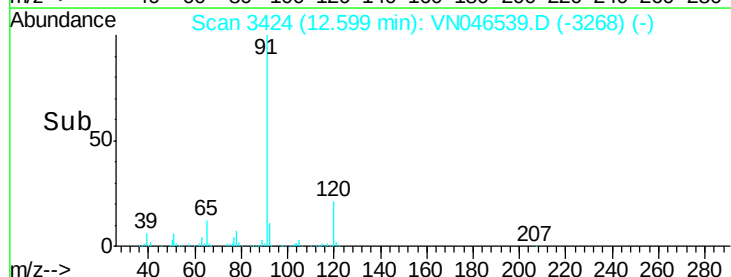
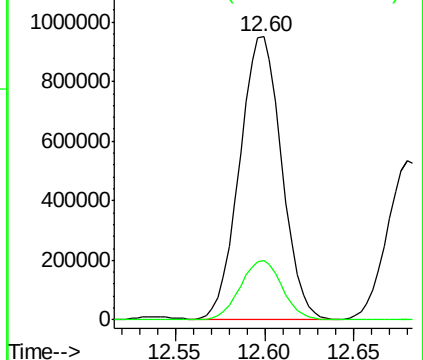
91 100

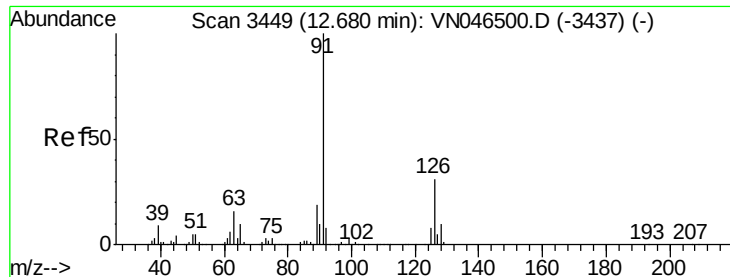
120 20.8 0.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 103.35 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. -0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

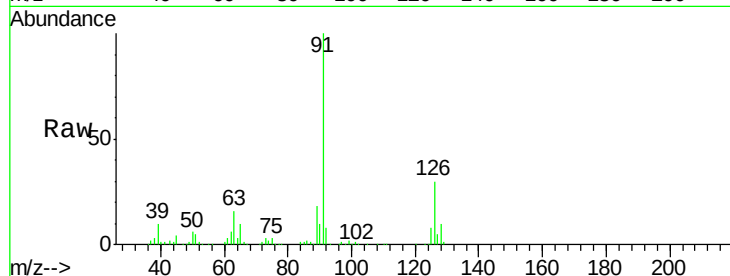
VSTDIC100

Tgt Ion: 91 Resp: 910352

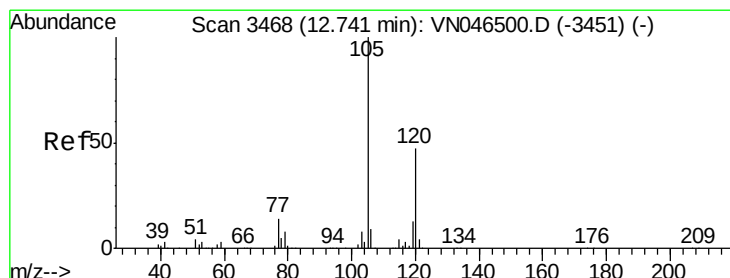
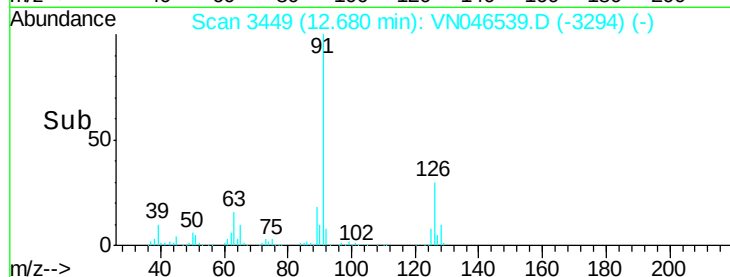
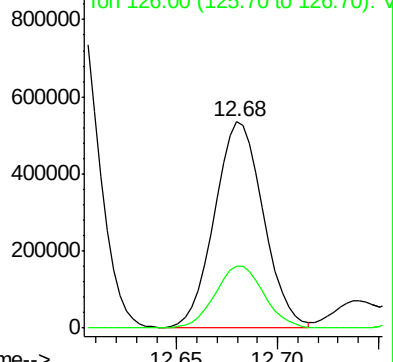
Ion Ratio Lower Upper

91 100

126 30.1 0.0 60.2



Abundance Ion 91.00 (90.70 to 91.70): VN046539.D (-3294) (-)



#76

1,3,5-Trimethylbenzene

Concen: 108.78 ug/l

RT: 12.74 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VN046539.D

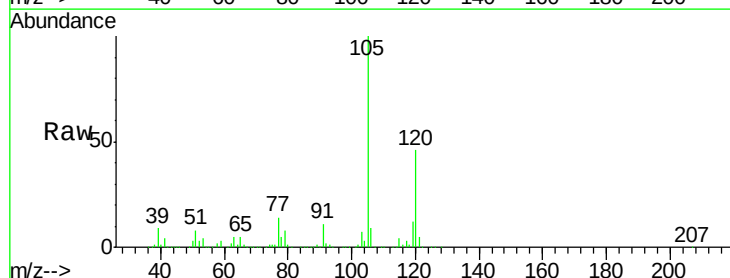
Acq: 24 Jan 2018 11:36

Tgt Ion: 105 Resp: 1060353

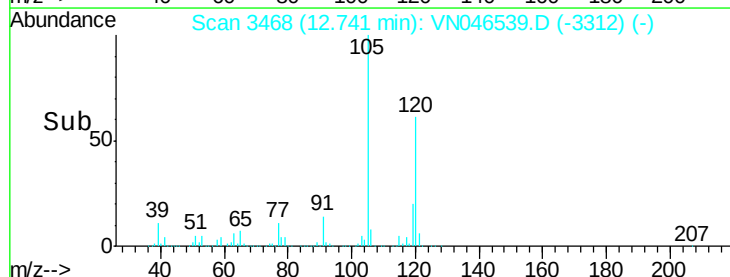
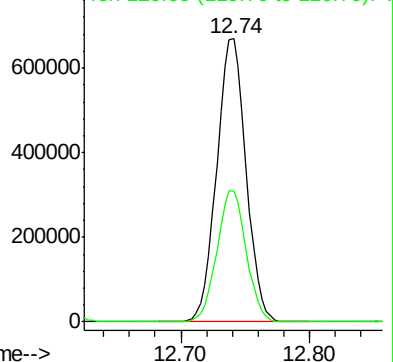
Ion Ratio Lower Upper

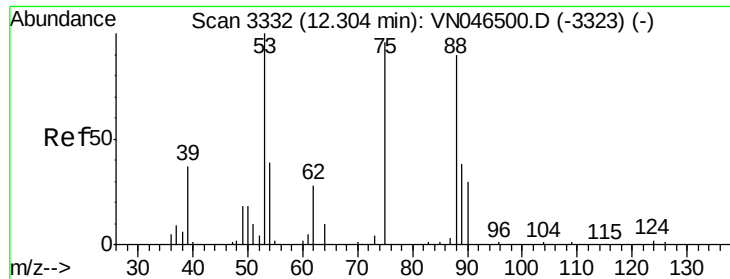
105 100

120 46.2 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): VN046539.D (-3312) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 109.24 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

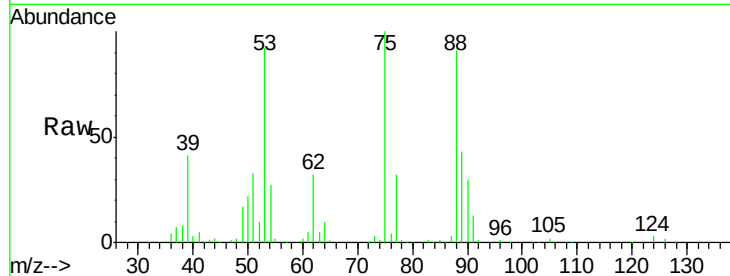
Tgt Ion: 75 Resp: 102831

Ion Ratio Lower Upper

75 100

53 92.4 46.8 140.3

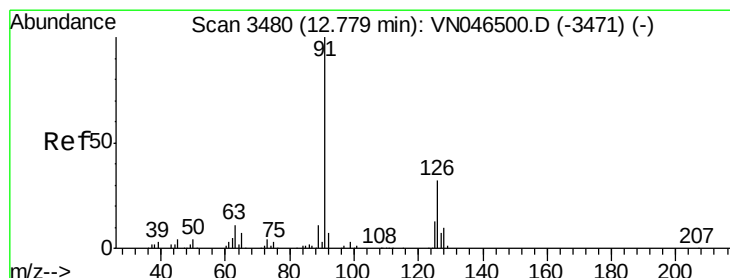
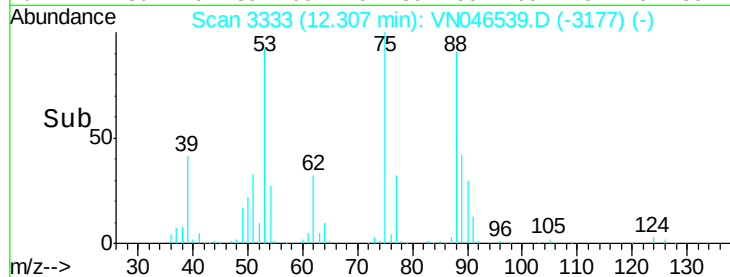
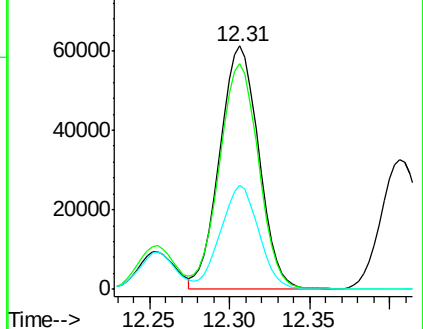
89 42.7 20.2 60.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 105.48 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.00 min

Lab File: VN046539.D

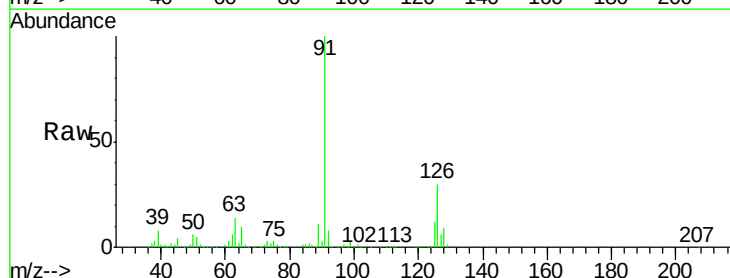
Acq: 24 Jan 2018 11:36

Tgt Ion: 91 Resp: 945779

Ion Ratio Lower Upper

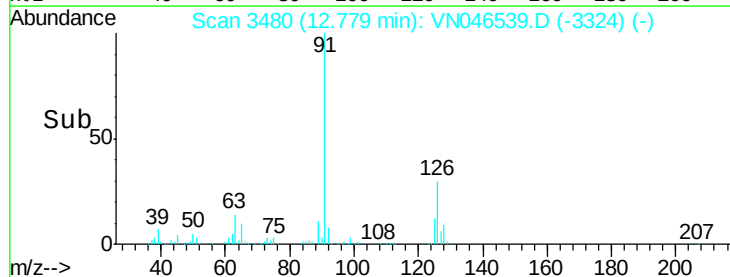
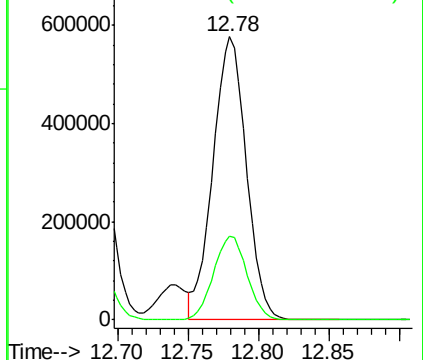
91 100

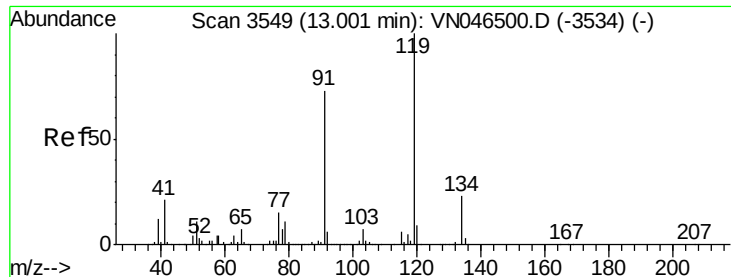
126 29.7 0.0 58.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

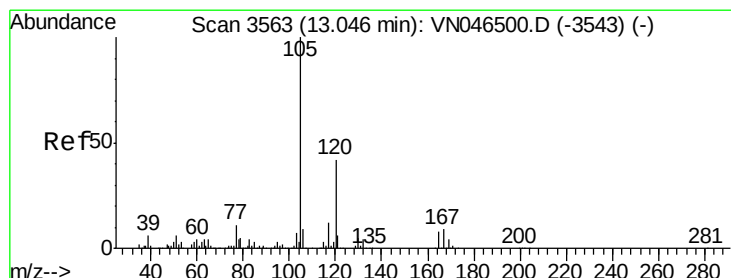
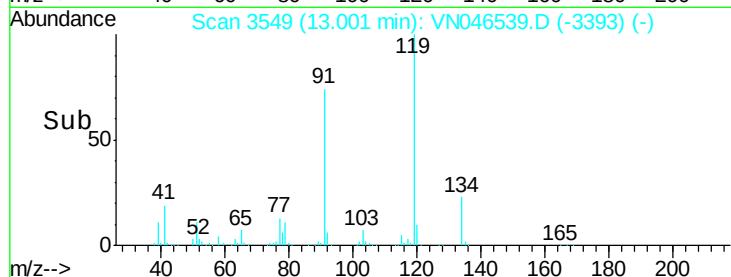
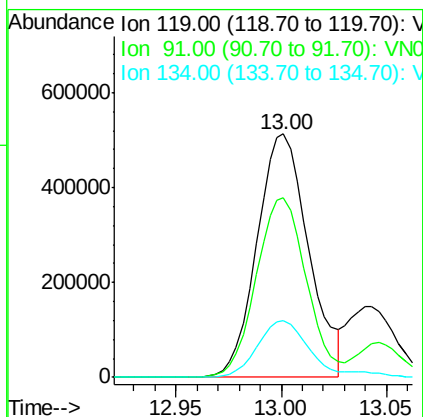
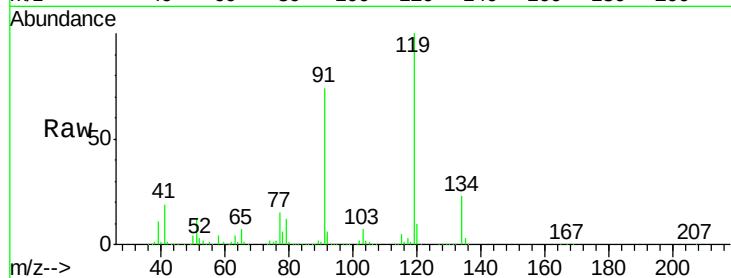




#79
tert-butylbenzene
Concen: 108.29 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

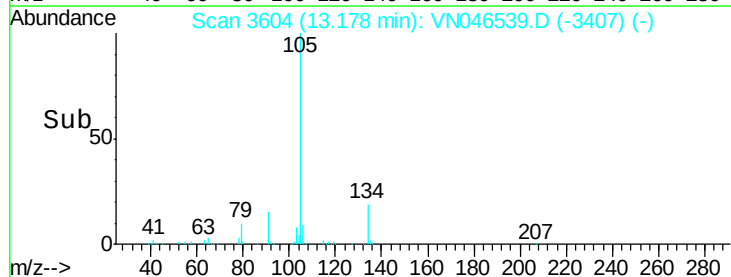
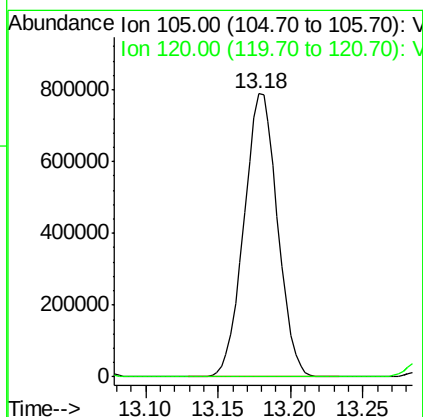
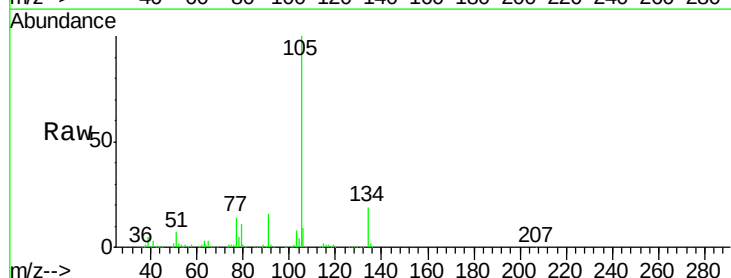
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

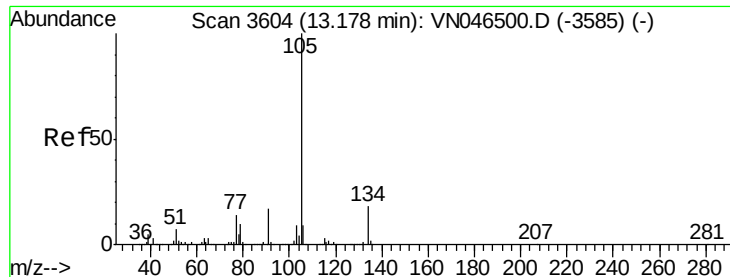
Tgt Ion:119 Resp: 873203
Ion Ratio Lower Upper
119 100
91 72.1 0.0 143.4
134 23.1 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 127.93 ug/l
RT: 13.18 min Scan# 3604
Delta R.T. 0.13 min
Lab File: VN046539.D
Acq: 24 Jan 2018 11:36

Tgt Ion:105 Resp: 1273300
Ion Ratio Lower Upper
105 100
120 0.1 0.0 0.2





#81

sec-Butylbenzene

Concen: 106.72 ug/l

RT: 13.18 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

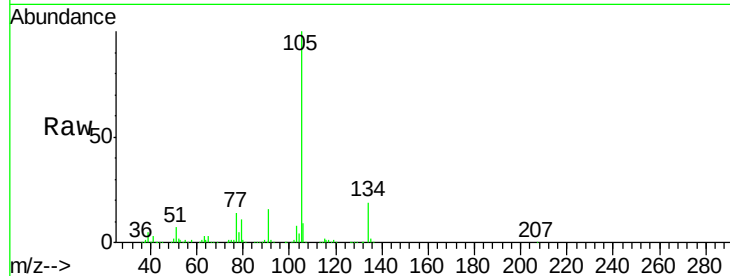
VSTDIC100

Tgt Ion:105 Resp: 1273300

Ion Ratio Lower Upper

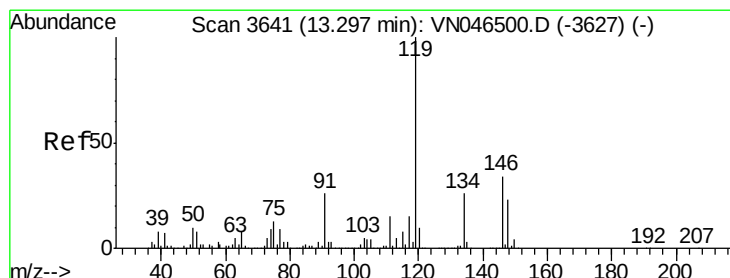
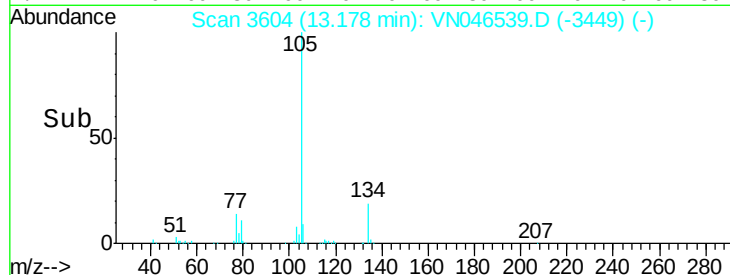
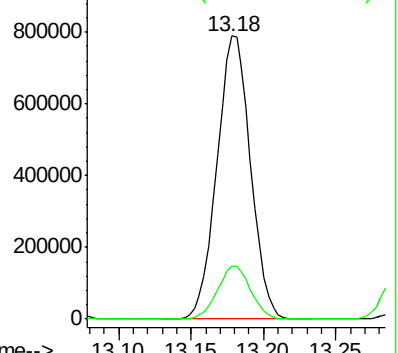
105 100

134 18.5 0.0 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 111.31 ug/l

RT: 13.30 min Scan# 3641

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

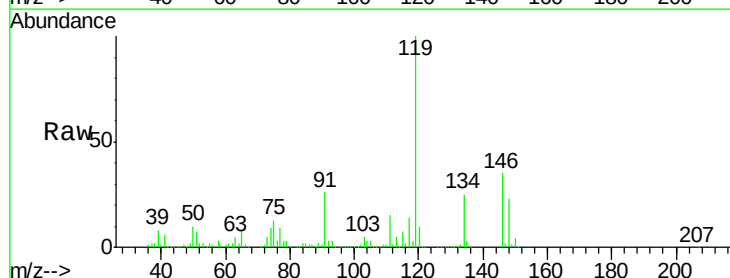
Tgt Ion:119 Resp: 1083198

Ion Ratio Lower Upper

119 100

134 25.3 0.0 50.4

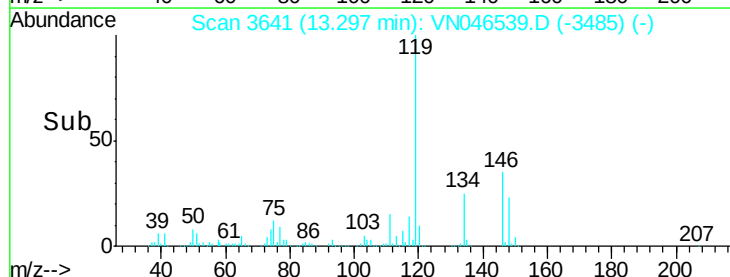
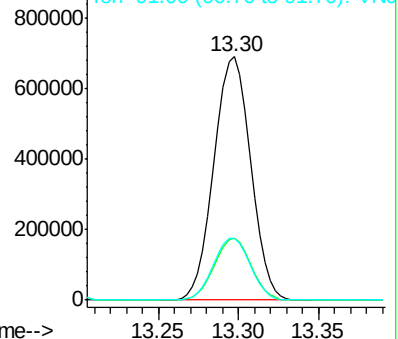
91 25.7 0.0 51.4

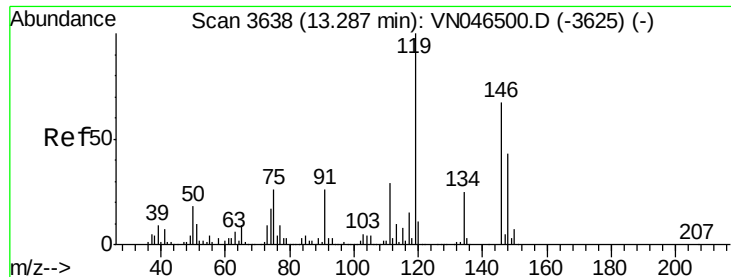


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

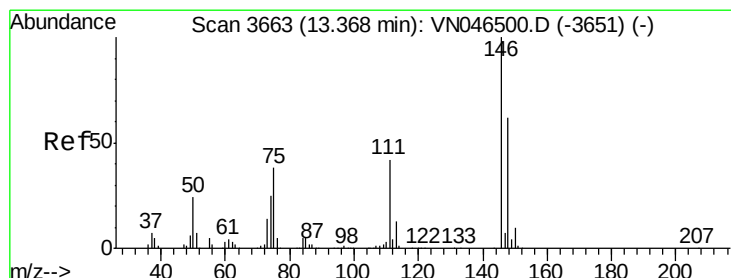
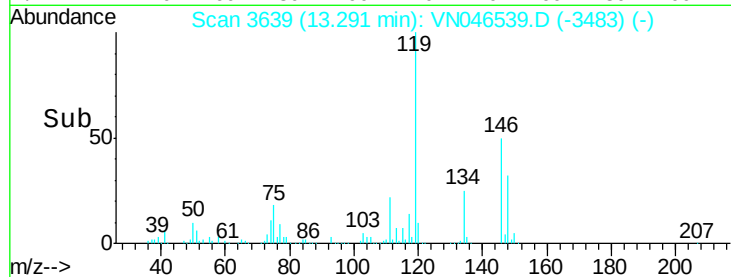
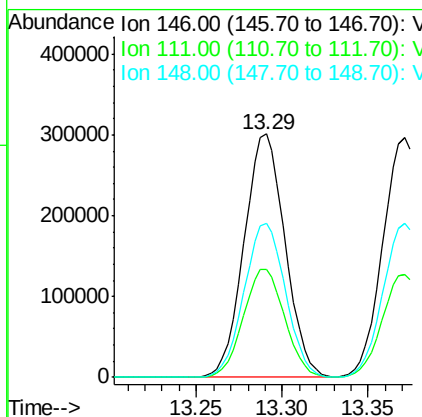
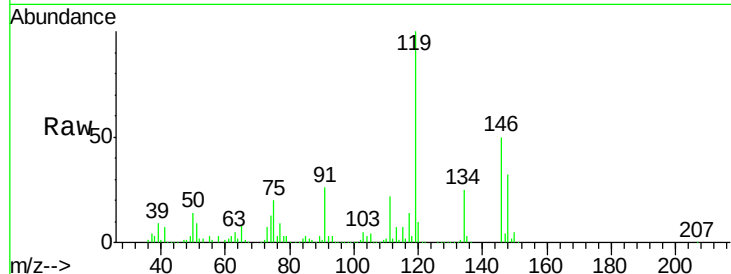




#83
 1,3-Dichlorobenzene
 Concen: 99.30 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

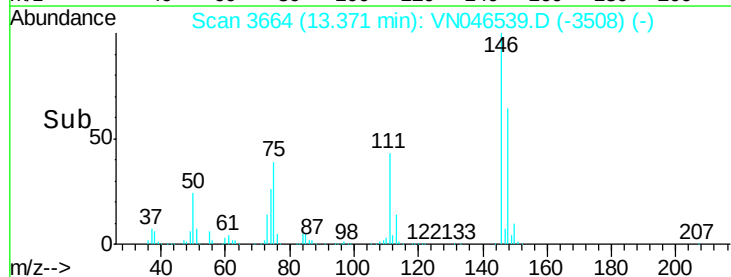
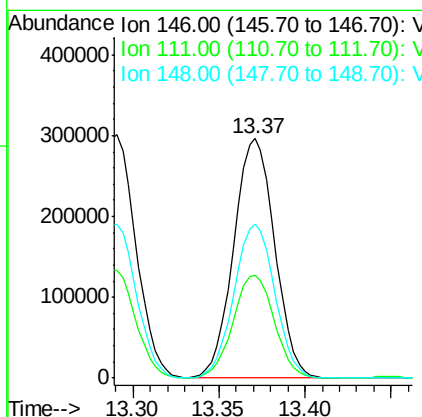
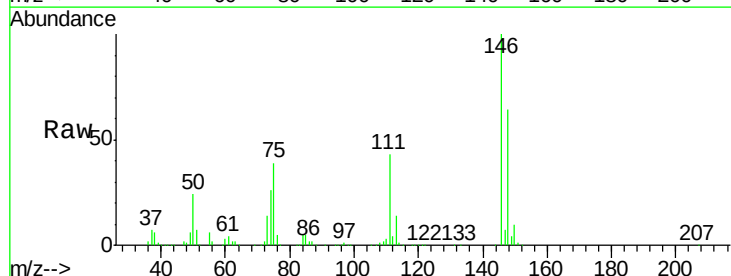
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

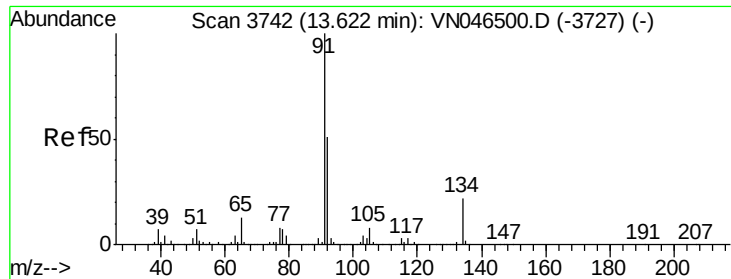
Tgt Ion:146 Resp: 498498
 Ion Ratio Lower Upper
 146 100
 111 44.7 22.3 66.9
 148 64.0 31.3 93.9



#84
 1,4-Dichlorobenzene
 Concen: 99.88 ug/l
 RT: 13.37 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion:146 Resp: 492804
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.6 64.8
 148 64.0 31.8 95.3





#85

n-Butylbenzene

Concen: 119.74 ug/l

RT: 13.62 min Scan# 3742

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

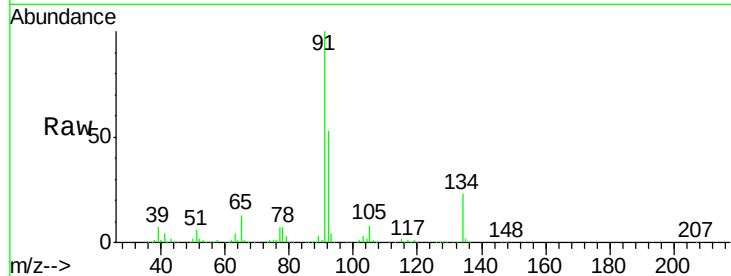
Tgt Ion: 91 Resp: 1111906

Ion Ratio Lower Upper

91 100

92 52.6 0.0 105.6

134 22.7 0.0 44.6

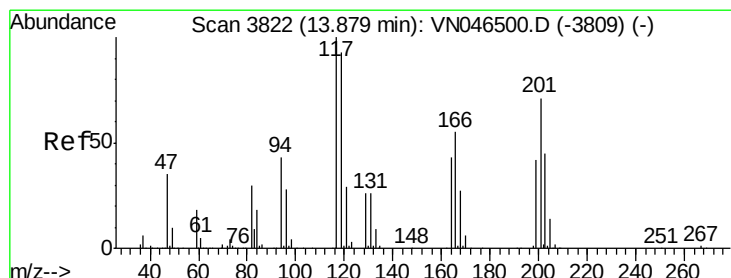
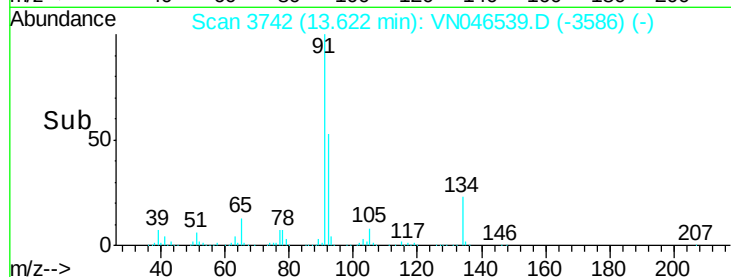


Abundance Ion 91.00 (90.70 to 91.70): VN046500.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN046500.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN046500.D (-3727) (-)

Time-->



#86

Hexachloroethane

Concen: 106.85 ug/l

RT: 13.88 min Scan# 3823

Delta R.T. 0.00 min

Lab File: VN046539.D

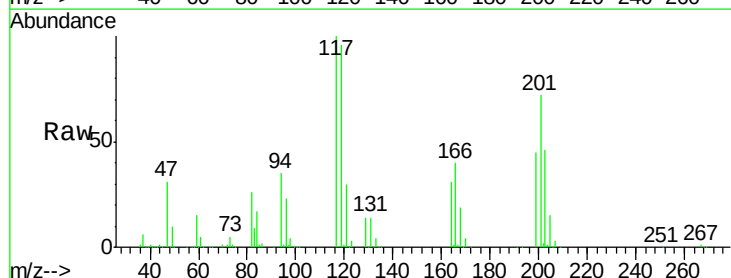
Acq: 24 Jan 2018 11:36

Tgt Ion: 117 Resp: 198982

Ion Ratio Lower Upper

117 100

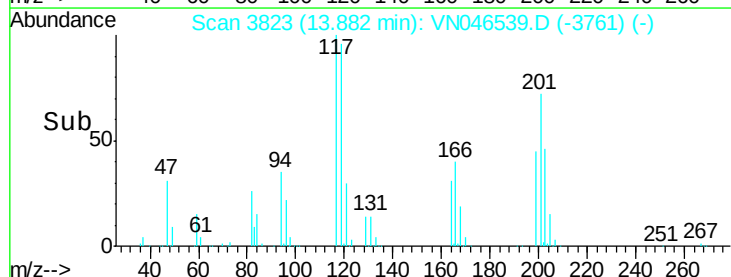
201 71.3 35.0 105.1

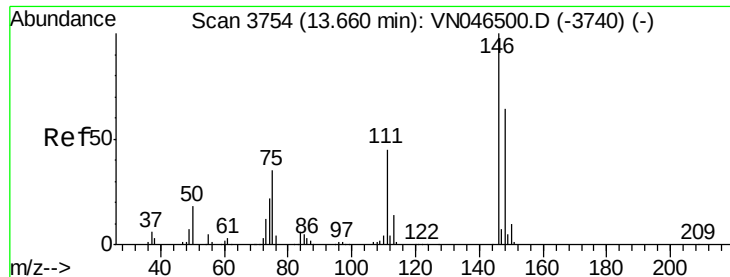


Abundance Ion 117.00 (116.70 to 117.70): VN046500.D (-3809) (-)

Ion 201.00 (200.70 to 201.70): VN046500.D (-3809) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 95.69 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

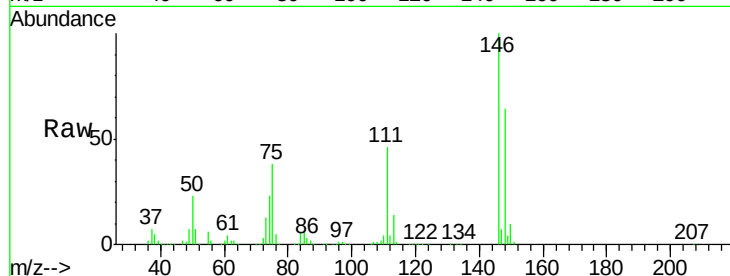
Tgt Ion:146 Resp: 472865

Ion Ratio Lower Upper

146 100

111 46.4 22.9 68.8

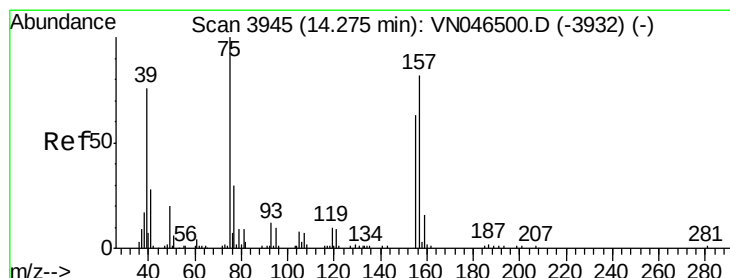
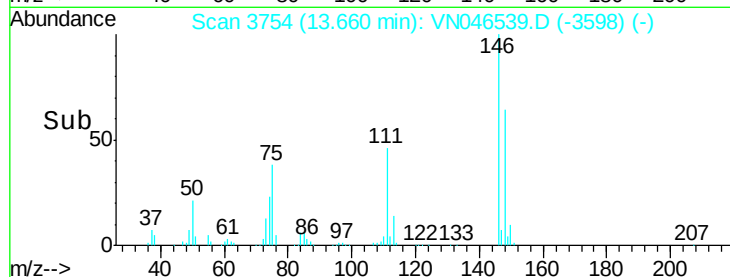
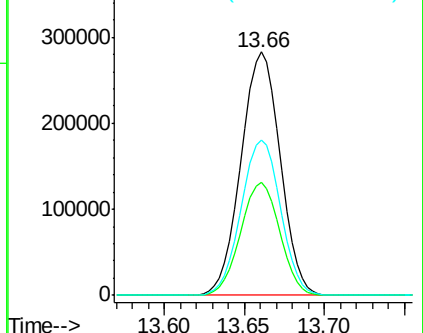
148 64.2 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 109.88 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

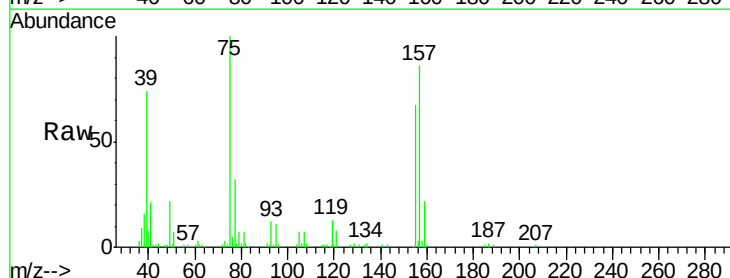
Tgt Ion: 75 Resp: 59241

Ion Ratio Lower Upper

75 100

155 67.7 52.6 79.0

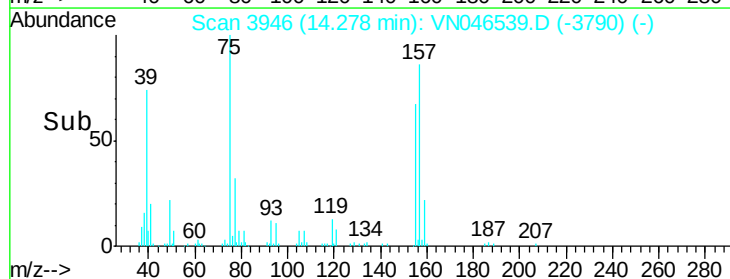
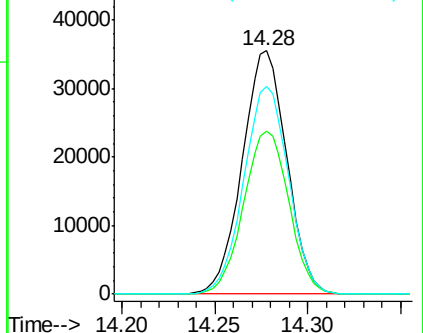
157 85.7 67.3 100.9

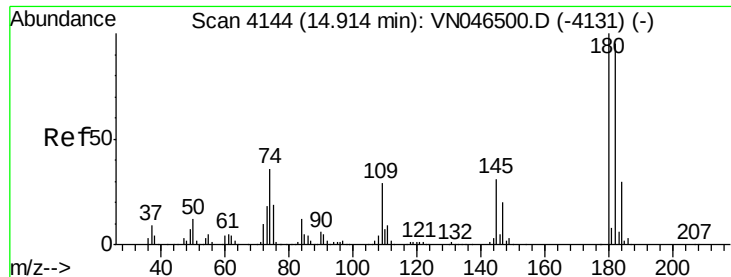


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

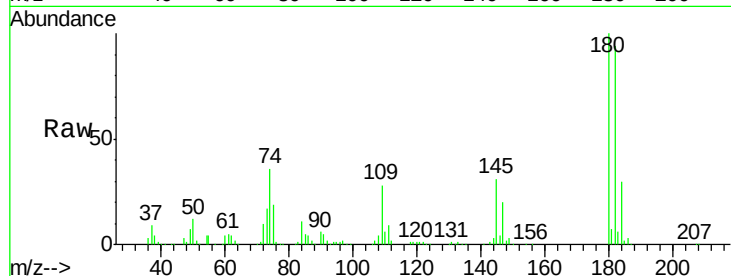




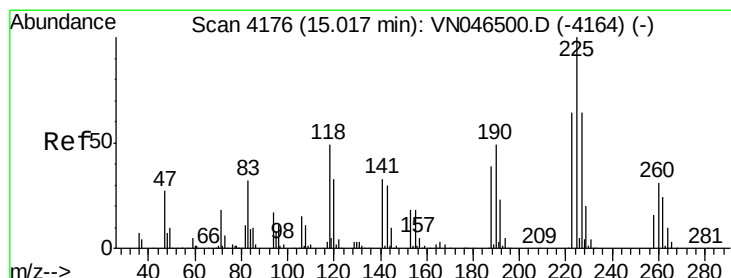
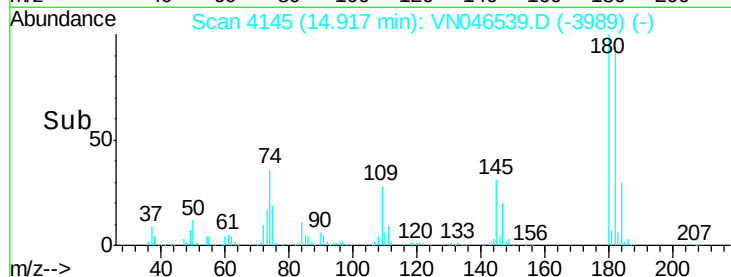
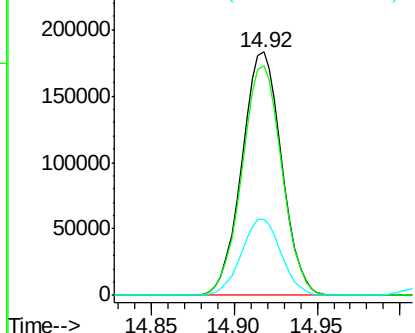
#89
 1,2,4-Trichlorobenzene
 Concen: 110.31 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 305695
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.7 113.5
 145 31.3 25.2 37.8

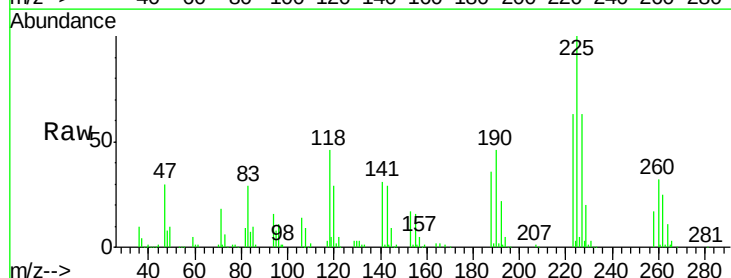


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

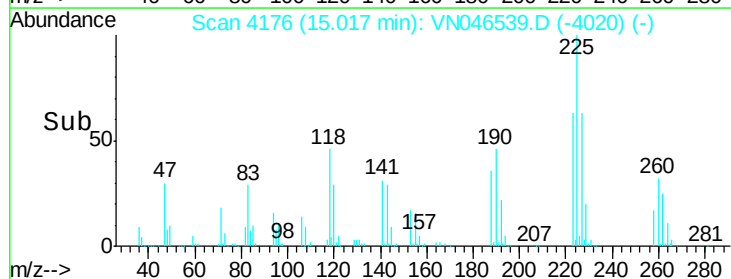
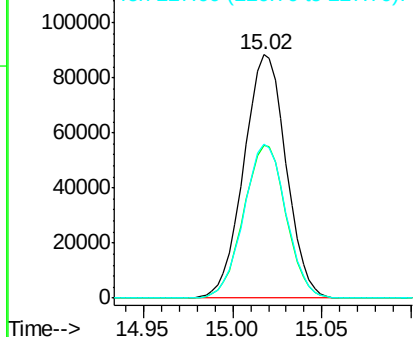


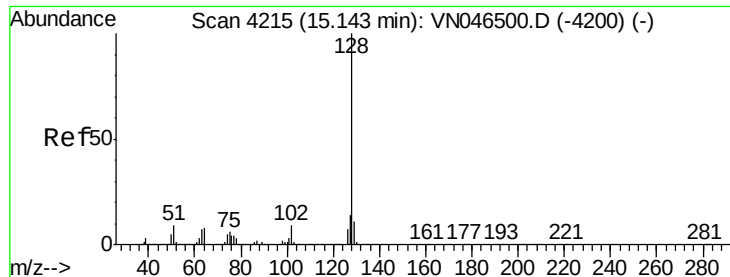
#90
 Hexachlorobutadiene
 Concen: 97.33 ug/l
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN046539.D
 Acq: 24 Jan 2018 11:36

Tgt Ion:225 Resp: 146602
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 123.6
 227 63.4 0.0 128.2



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: 118.96 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

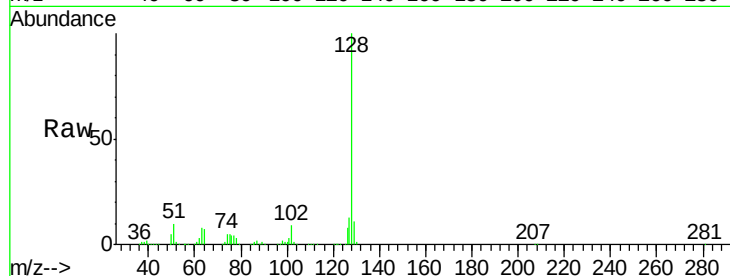
Tgt Ion:128 Resp: 767436

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

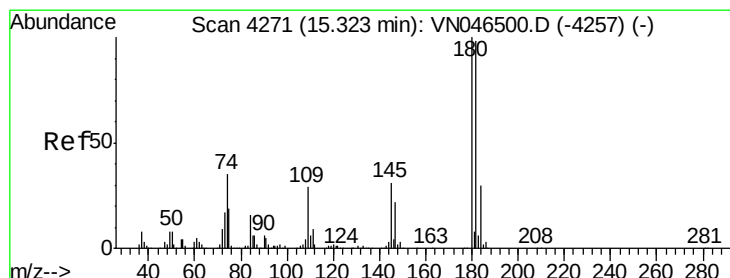
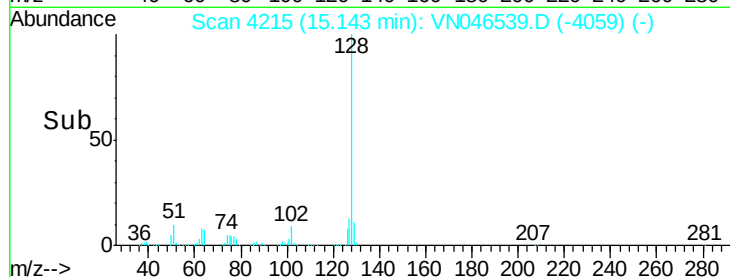
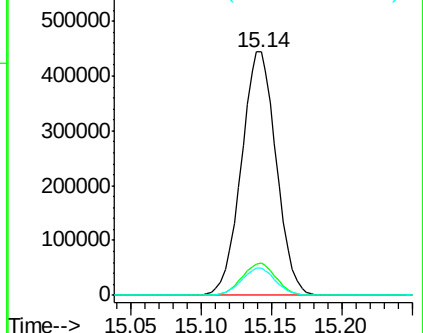
129 10.9 8.7 13.1



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: 106.55 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN046539.D

Acq: 24 Jan 2018 11:36

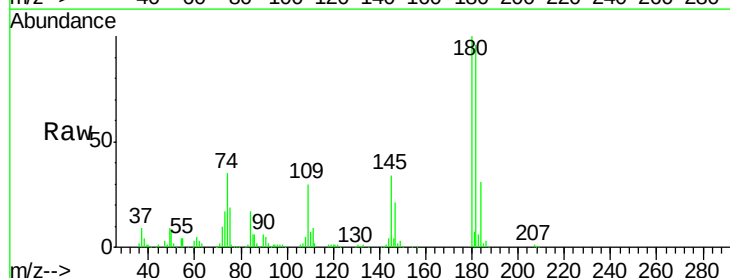
Tgt Ion:180 Resp: 287552

Ion Ratio Lower Upper

180 100

182 95.7 0.0 190.8

145 33.5 0.0 68.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

