

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046537.D
 Acq On : 24 Jan 2018 10:46
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jan 24 11:16:21 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	7.20	128	35392	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	221391	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	192153	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	98669	30.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.73%
60) 4-Bromofluorobenzene	12.41	95	101934	31.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.07%
63) Toluene-d8	10.09	98	281688	29.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.97%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	48737	18.88	ug/l	100
3) Chloromethane	2.06	50	83033	16.16	ug/l	100
4) Vinyl Chloride	2.18	62	74351	20.47	ug/l	100
5) Bromomethane	2.57	94	40457	44.53	ug/l	100
6) Chloroethane	2.71	64	42101	36.15	ug/l	100
7) Trichlorofluoromethane	3.02	101	73421	20.73	ug/l	100
8) Diethyl Ether	3.41	74	34443	22.18	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	49533	20.10	ug/l	100
10) 1,1-Dichloroethene	3.73	96	48479	21.73	ug/l	100
11) Methyl Iodide	3.95	142	32435	15.89	ug/l	100
12) Methyl Acetate	4.33	43	54961	22.67	ug/l	100
13) Acrolein	3.61	56	30639	94.51	ug/l	100
14) Acrylonitrile	4.99	53	112484	108.81	ug/l	100
15) Acetone	3.82	58	35135	116.28	ug/l	100
16) Carbon Disulfide	4.05	76	160582	21.06	ug/l	100
17) Allyl chloride	4.32	41	115299	24.15	ug/l	100
18) Methylene Chloride	4.55	84	58623	19.17	ug/l	100
19) trans-1,2-Dichloroethene	5.04	96	51403	21.70	ug/l	100
20) Diisopropyl ether	5.96	45	208509	22.58	ug/l	100
21) 1,1-Dichloroethane	5.85	63	114319	20.92	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	59422	22.27	ug/l	100
23) tert-Butyl Alcohol	4.80	59	26570	134.61	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	157731	24.66	ug/l	100
25) Chloroform	7.37	83	101208	20.48	ug/l	100
26) Cyclohexane	7.65	56	110511	24.53	ug/l #	100
29) 1,1-Dichloropropene	7.79	75	80879	19.92	ug/l	100
30) 2-Butanone	6.84	43	147608	105.73	ug/l	100
31) 2,2-Dichloropropane	6.83	77	91924	20.11	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	81988	18.67	ug/l	100
33) Carbon Tetrachloride	7.77	117	65177	17.62	ug/l	100
34) Benzene	8.04	78	236531	18.53	ug/l	100
35) Methacrylonitrile	7.18	41	37010	21.67	ug/l	100
36) 1,2-Dichloroethane	8.12	62	81886	18.13	ug/l	100
37) Trichloroethene	8.84	130	52224	19.04	ug/l	100
38) Methylcyclohexane	9.08	83	100626	23.45	ug/l	100
39) 1,2-Dichloropropane	9.12	63	68917	18.91	ug/l	100
40) Dibromomethane	9.21	93	33964	17.96	ug/l	100

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046537.D
 Acq On : 24 Jan 2018 10:46
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jan 24 11:16:21 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)
41) Bromodichloromethane	9.40	83	78022	19.15	ug/l	100
42) Vinyl Acetate	5.90	43	769412	105.32	ug/l	100
43) Ethyl Acetate	6.93	43	59982	19.83	ug/l	100
44) Isopropyl Acetate	8.17	43	109185	21.02	ug/l	100
45) 1,4-Dioxane	9.20	88	11497	397.60	ug/l	100
46) Methyl methacrylate	9.20	41	54211	22.81	ug/l	100
47) n-amyl Acetate	12.08	43	98819	20.28	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	82959	19.74	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	98605	20.09	ug/l	100
50) 1,1,2-Trichloroethane	10.57	97	49976	18.89	ug/l	100
51) Ethyl methacrylate	10.43	69	77278	23.10	ug/l	100
52) 1,3-Dichloropropane	10.71	76	91670	18.76	ug/l	100
53) Dibromochloromethane	10.90	129	49216	19.33	ug/l	100
54) 1,2-Dibromoethane	11.01	107	43710	18.34	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	160593	91.38	ug/l	100
56) Bromoform	12.13	173	29931	20.31	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	296859	110.96	ug/l	100
59) 2-Hexanone	10.76	43	208427	109.94	ug/l	100
61) Tetrachloroethene	10.63	164	44850	20.86	ug/l	100
62) Toluene	10.16	91	239452	19.85	ug/l	100
64) Chlorobenzene	11.44	112	138739	20.18	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	46766	20.15	ug/l	100
66) Ethyl Benzene	11.52	91	261543	21.92	ug/l	100
67) m/p-Xylenes	11.62	106	187529	42.73	ug/l	100
68) o-Xylene	11.95	106	91044	21.70	ug/l	100
69) Styrene	11.97	104	147761	21.99	ug/l	100
70) Isopropylbenzene	12.26	105	245998	22.23	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	61849	19.23	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	80901	30.72	ug/l	53
73) Bromobenzene	12.53	156	49971	19.34	ug/l	100
74) n-propylbenzene	12.60	91	306362	21.57	ug/l	100
75) 2-Chlorotoluene	12.68	91	177884	21.06	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	205593	22.00	ug/l	100
77) t-1,4-Dichloro-2-butene	12.31	75	18664	20.68	ug/l	100
78) 4-Chlorotoluene	12.78	91	178990	20.82	ug/l	100
79) tert-butylbenzene	13.00	119	173913	22.49	ug/l	100
80) 1,2,4-Trimethylbenzene	13.18	105	250710	26.27	ug/l	100
81) sec-Butylbenzene	13.18	105	250710	21.91	ug/l	100
82) p-Isopropyltoluene	13.30	119	209864	22.49	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	93422	19.41	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	91853	19.42	ug/l	100
85) n-Butylbenzene	13.62	91	209135	23.49	ug/l	100
86) Hexachloroethane	13.88	117	38835	21.75	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	90528	19.10	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	11267	21.79	ug/l	100
89) 1,2,4-Trichlorobenzene	14.92	180	51566	19.41	ug/l	100
90) Hexachlorobutadiene	15.02	225	29042	20.11	ug/l	100
91) Naphthalene	15.14	128	117660	19.02	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	49622	19.18	ug/l	100

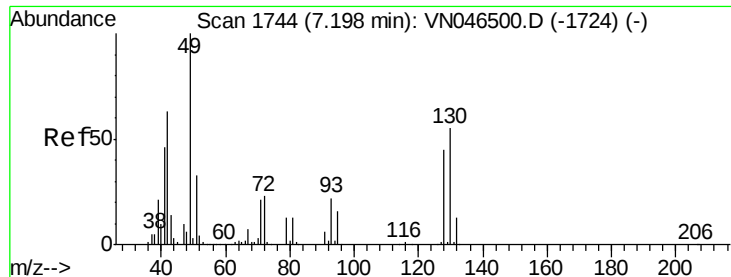
Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
Data File : VN046537.D
Acq On : 24 Jan 2018 10:46
Operator : MD\SY
Sample : VSTDICCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Quant Time: Jan 24 11:16:21 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)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

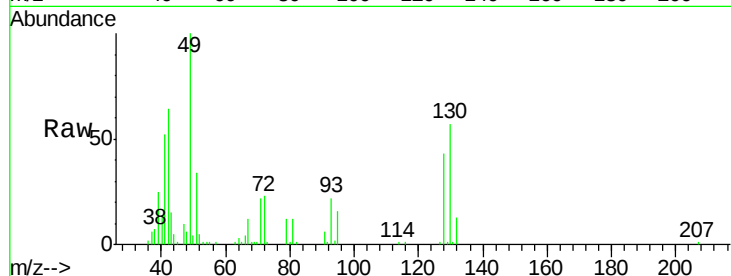
Tgt Ion:128 Resp: 35392

Ion Ratio Lower Upper

128 100

49 226.7 0.0 566.8

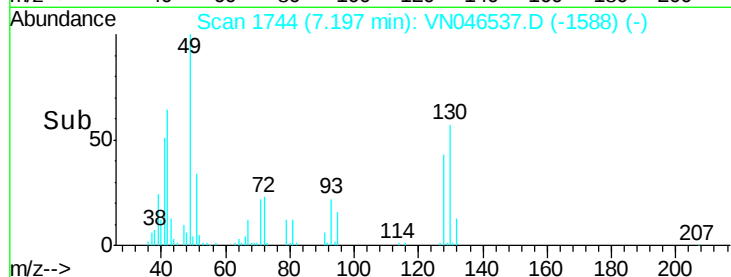
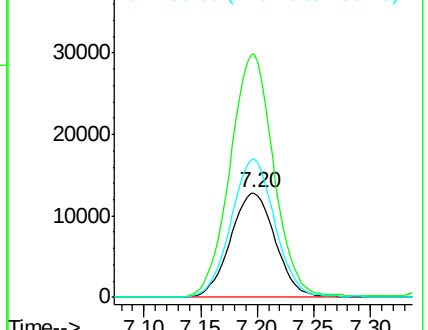
130 129.3 0.0 323.3



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: 18.88 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN046537.D

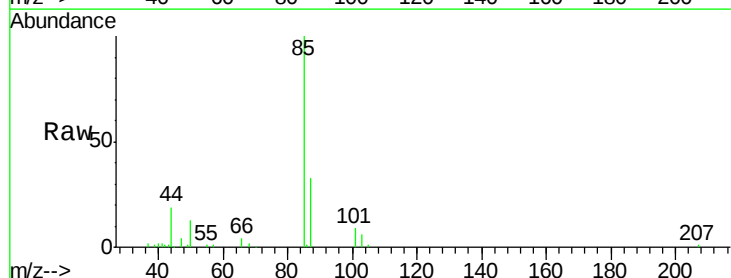
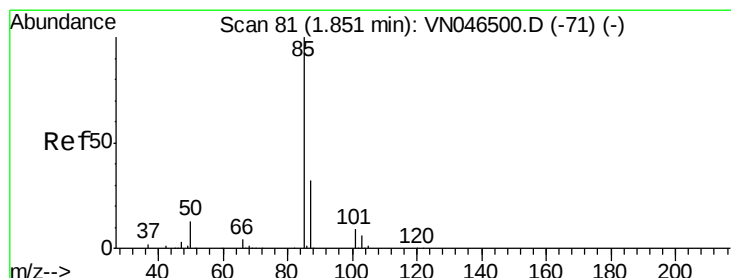
Acq: 24 Jan 2018 10:46

Tgt Ion: 85 Resp: 48737

Ion Ratio Lower Upper

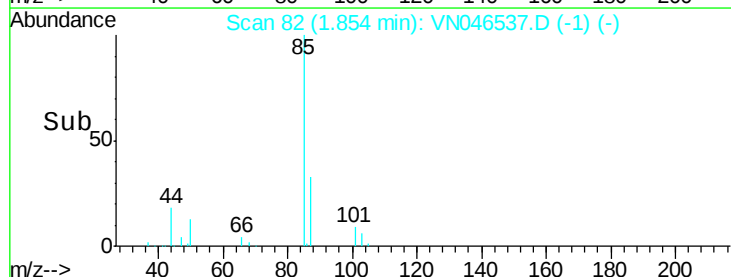
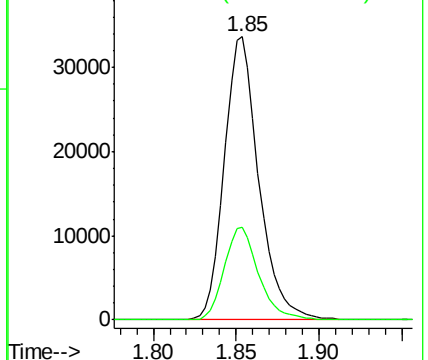
85 100

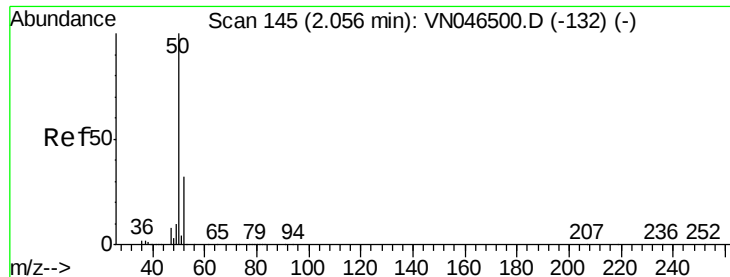
87 32.5 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.16 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

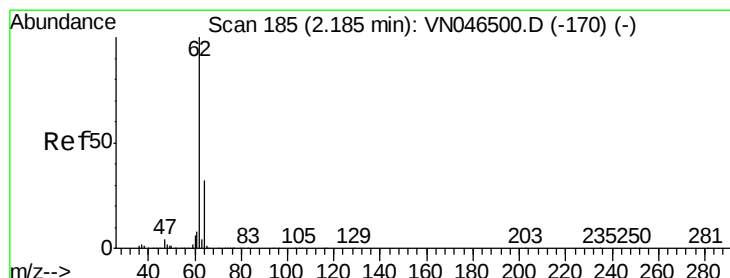
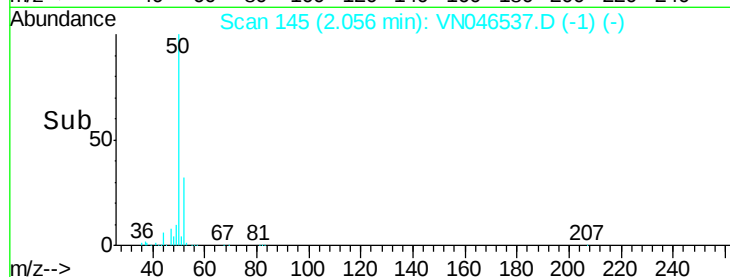
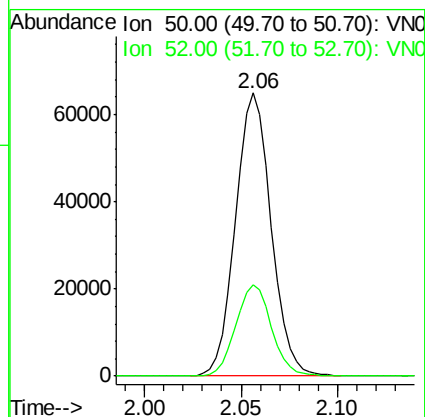
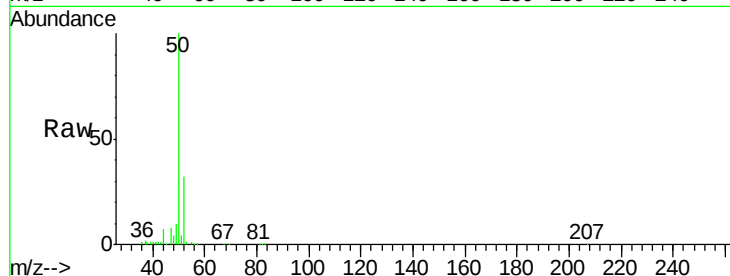
VSTDICCC020

Tgt Ion: 50 Resp: 83033

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 20.47 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN046537.D

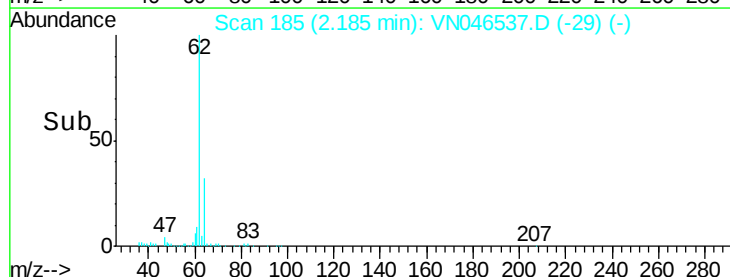
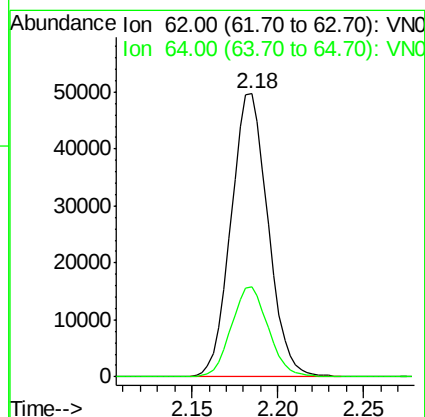
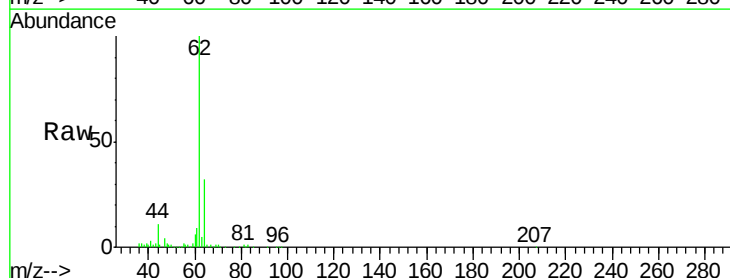
Acq: 24 Jan 2018 10:46

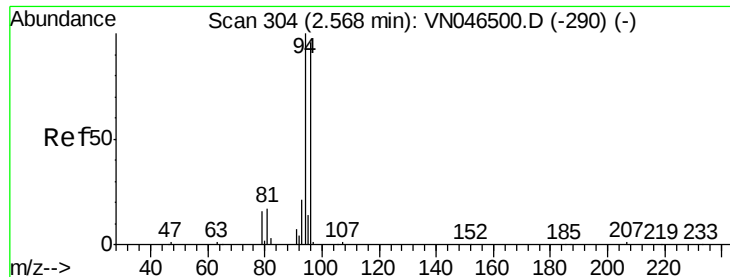
Tgt Ion: 62 Resp: 74351

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 44.53 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

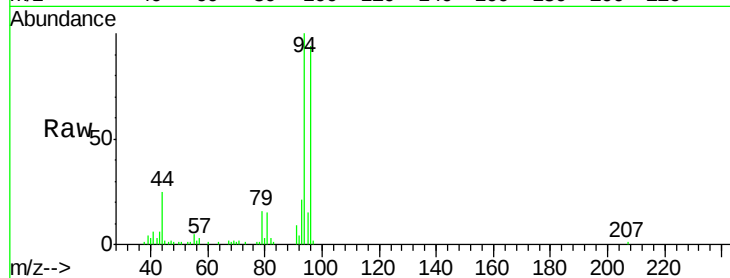
VSTDICCC020

Tgt Ion: 94 Resp: 40457

Ion Ratio Lower Upper

94 100

96 93.2 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

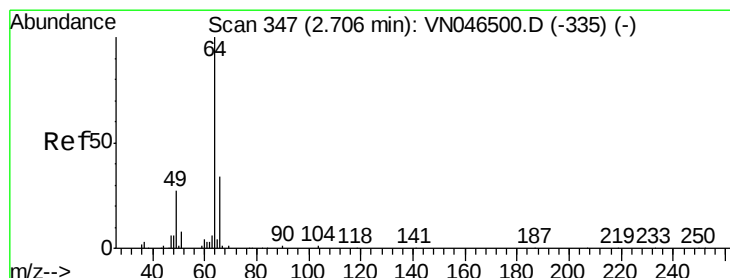
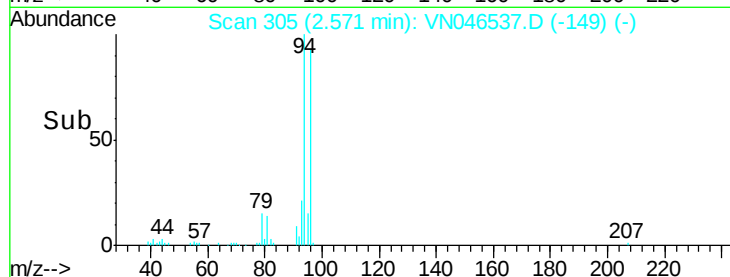
5000

0

Time-->

2.50 2.55 2.60 2.65

2.57



#6

Chloroethane

Concen: 36.15 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN046537.D

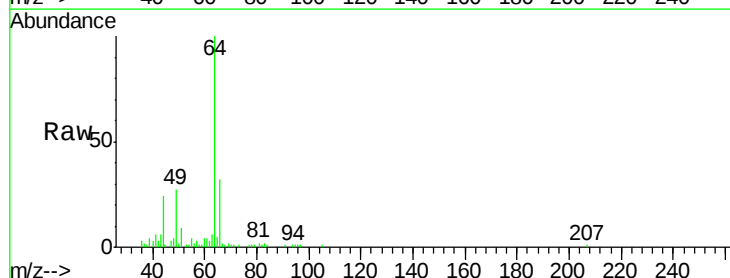
Acq: 24 Jan 2018 10:46

Tgt Ion: 64 Resp: 42101

Ion Ratio Lower Upper

64 100

66 32.5 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

15000

10000

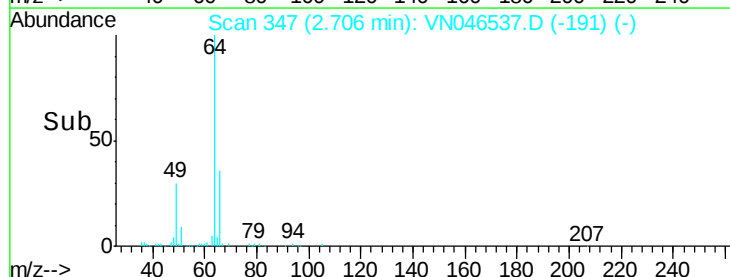
5000

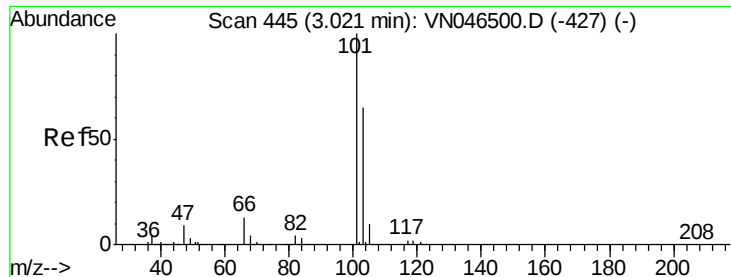
0

Time-->

2.60 2.65 2.70 2.75 2.80

2.71



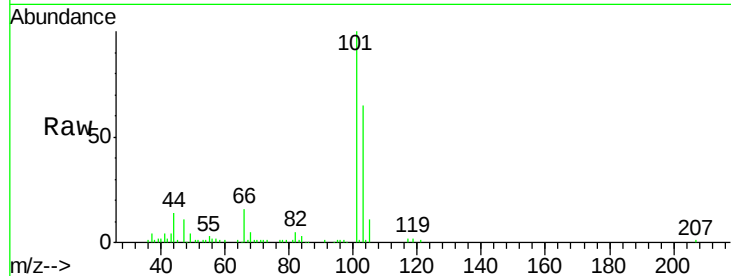


#7

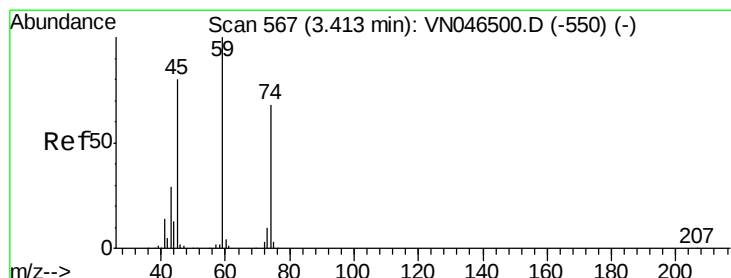
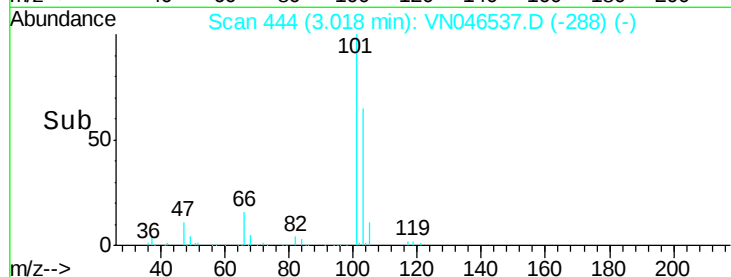
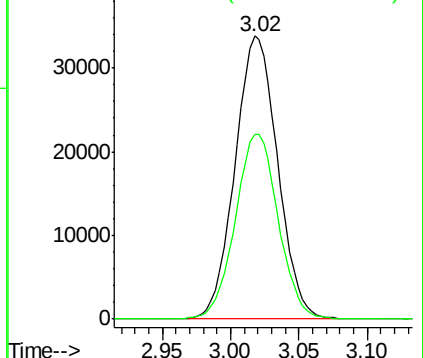
Trichlorofluoromethane
Concen: 20.73 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:101 Resp: 73421
Ion Ratio Lower Upper
101 100
103 65.3 52.2 78.4



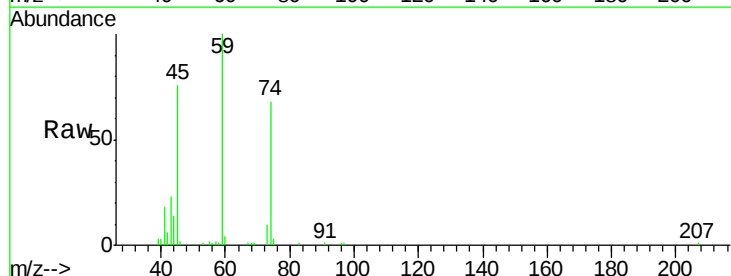
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



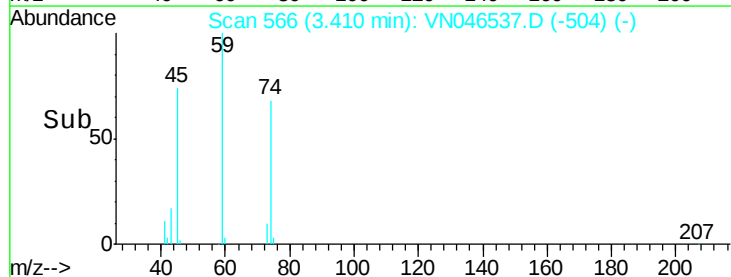
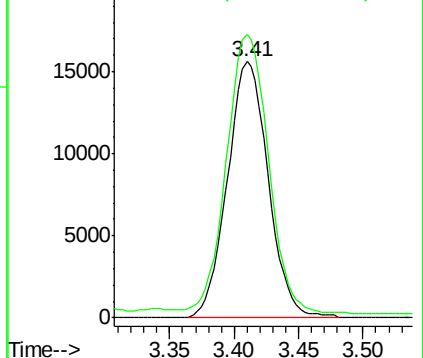
#8

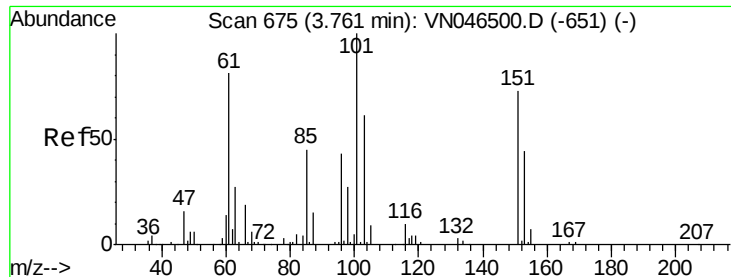
Diethyl Ether
Concen: 22.18 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion: 74 Resp: 34443
Ion Ratio Lower Upper
74 100
45 109.8 22.0 197.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.10 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

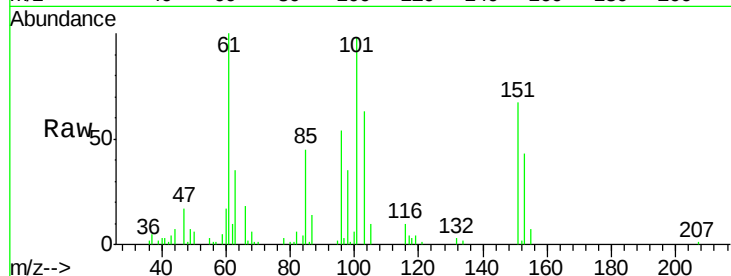
Tgt Ion: 101 Resp: 49533

Ion Ratio Lower Upper

101 100

85 45.4 0.0 90.8

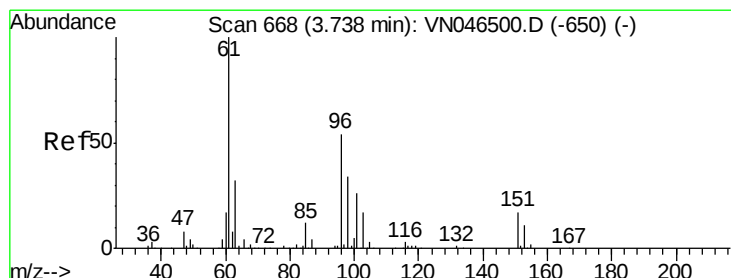
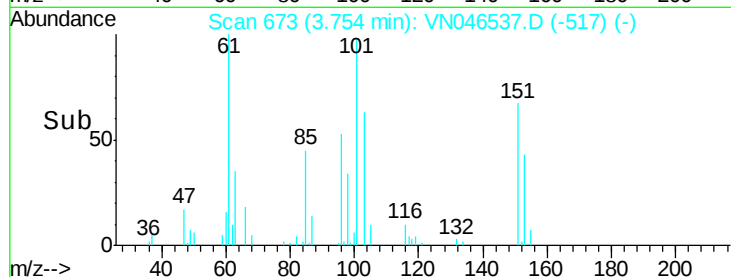
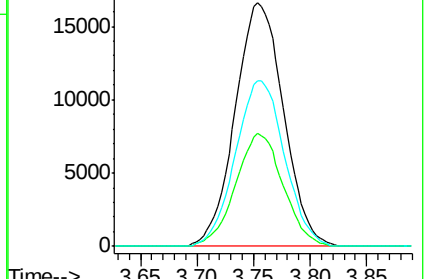
151 68.8 0.0 137.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.73 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

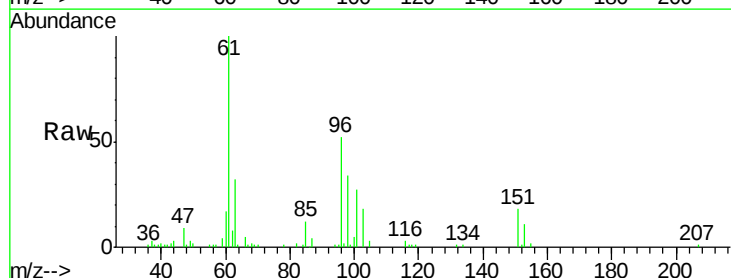
Tgt Ion: 96 Resp: 48479

Ion Ratio Lower Upper

96 100

61 190.5 152.4 228.6

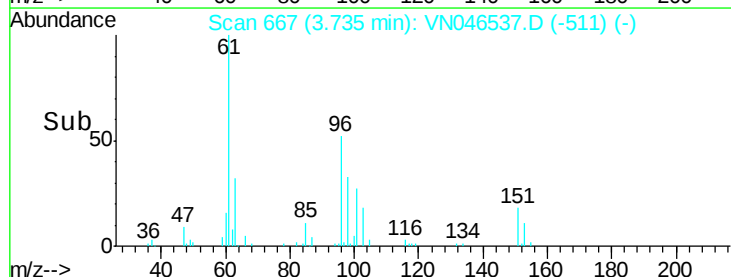
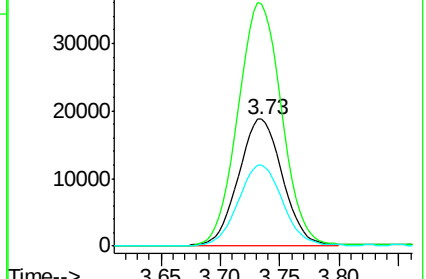
98 64.1 51.3 76.9

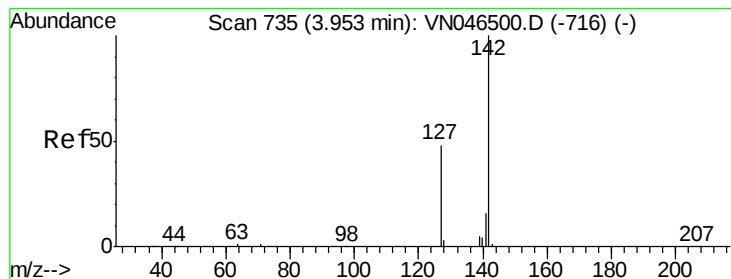


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V





#11

Methyl Iodide

Concen: 15.89 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

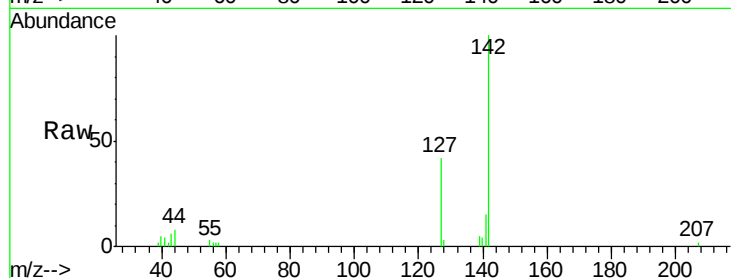
Tgt Ion:142 Resp: 32435

Ion Ratio Lower Upper

142 100

127 42.2 21.1 63.3

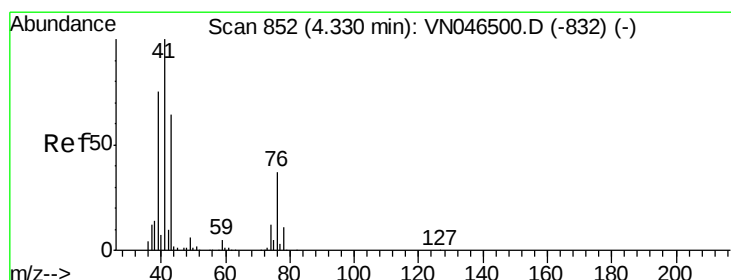
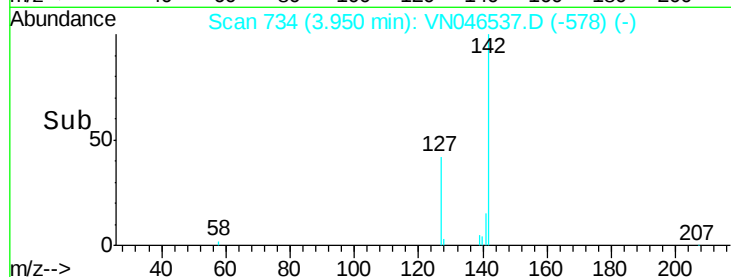
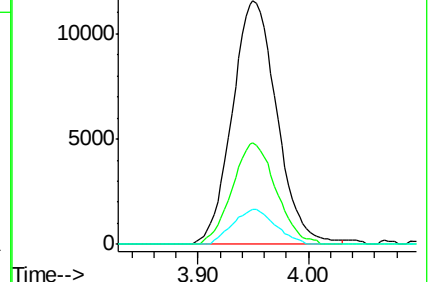
141 14.6 7.3 21.9



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 22.67 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN046537.D

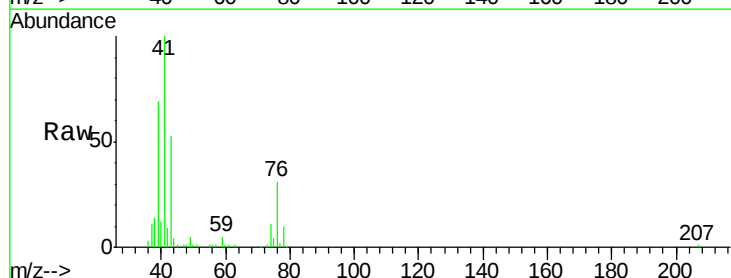
Acq: 24 Jan 2018 10:46

Tgt Ion: 43 Resp: 54961

Ion Ratio Lower Upper

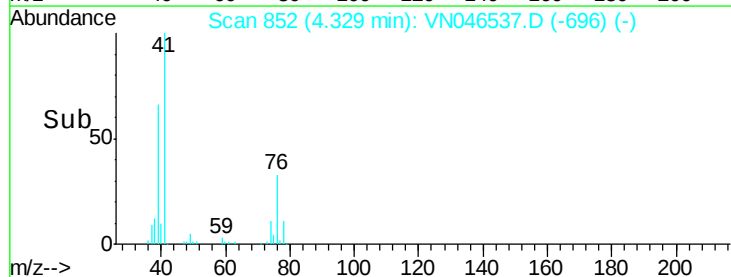
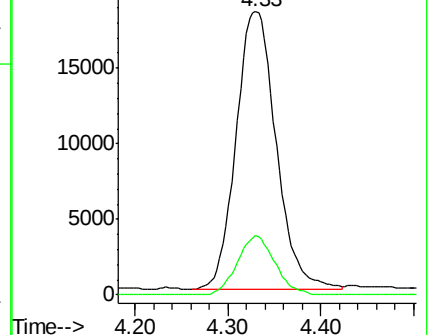
43 100

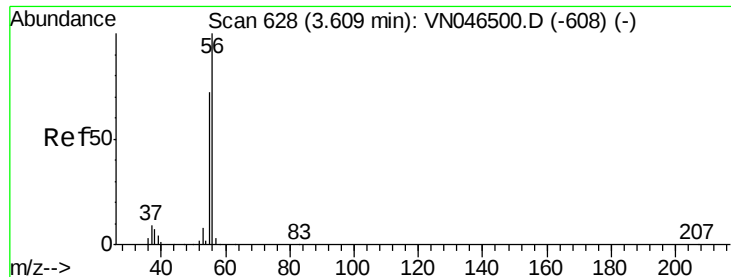
74 21.3 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 94.51 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

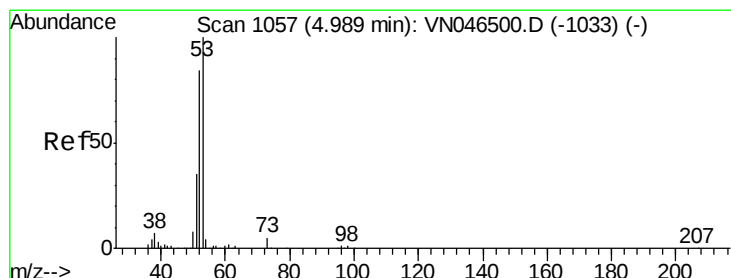
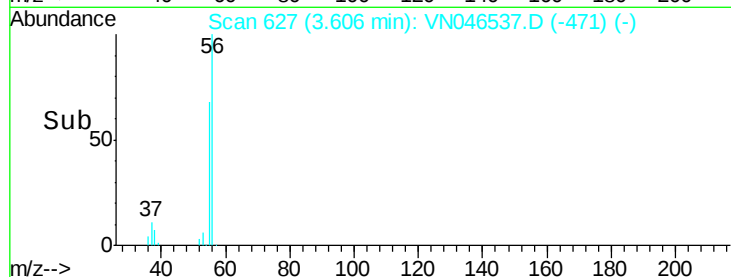
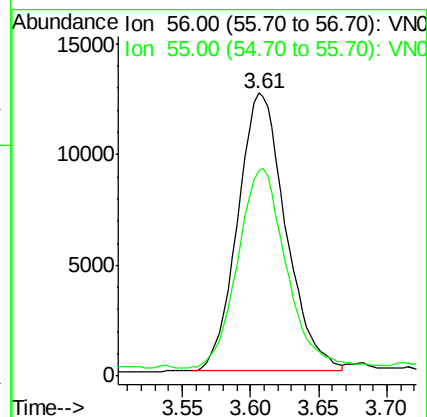
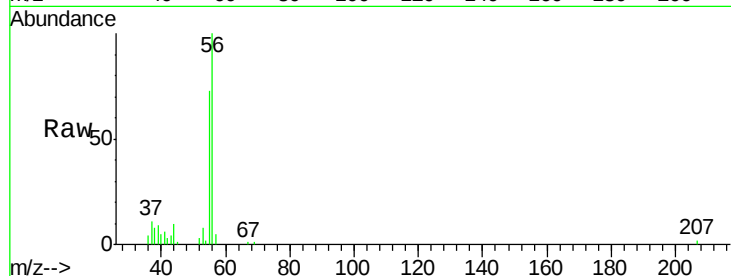
VSTDICCC020

Tgt Ion: 56 Resp: 30639

Ion Ratio Lower Upper

56 100

55 73.6 58.9 88.3



#14

Acrylonitrile

Concen: 108.81 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

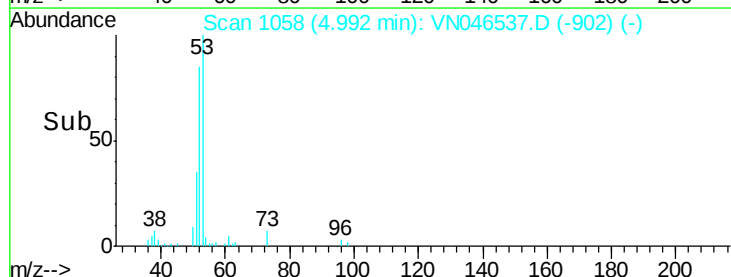
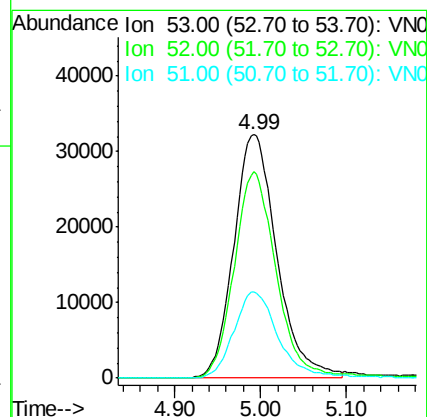
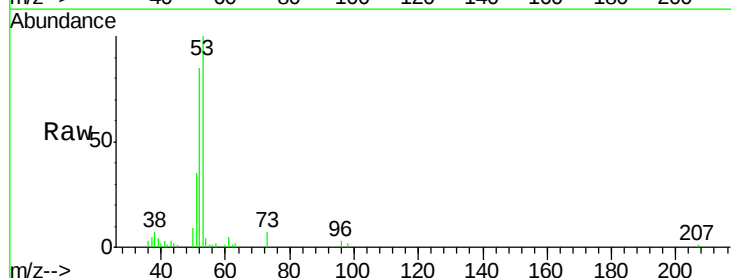
Tgt Ion: 53 Resp: 112484

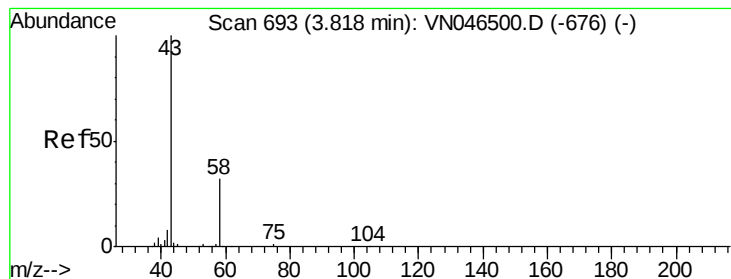
Ion Ratio Lower Upper

53 100

52 81.8 40.9 122.7

51 36.1 18.1 54.1





#15

Acetone

Concen: 116.28 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

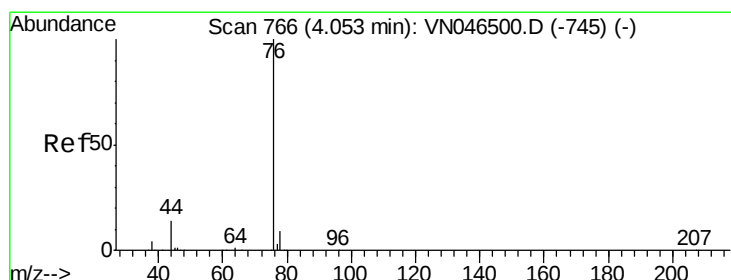
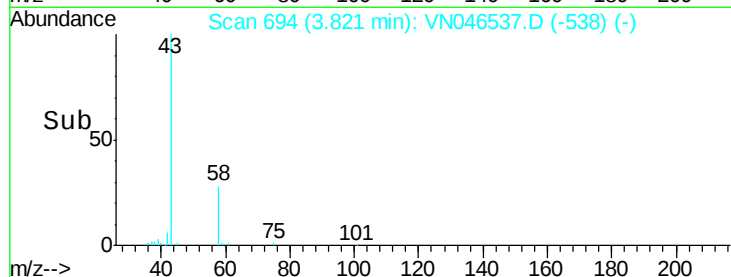
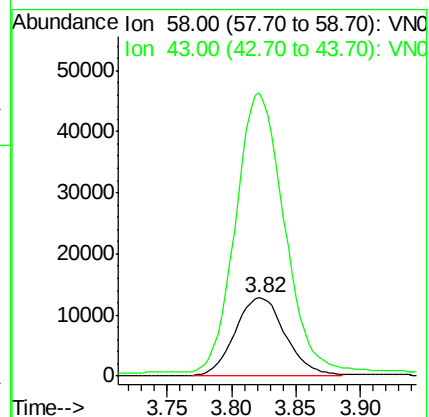
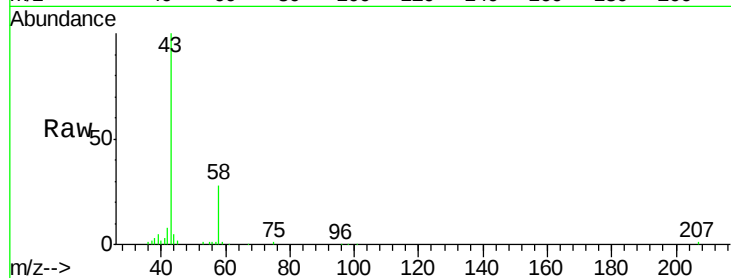
VSTDICCC020

Tgt Ion: 58 Resp: 35135

Ion Ratio Lower Upper

58 100

43 356.6 285.3 427.9



#16

Carbon Disulfide

Concen: 21.06 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN046537.D

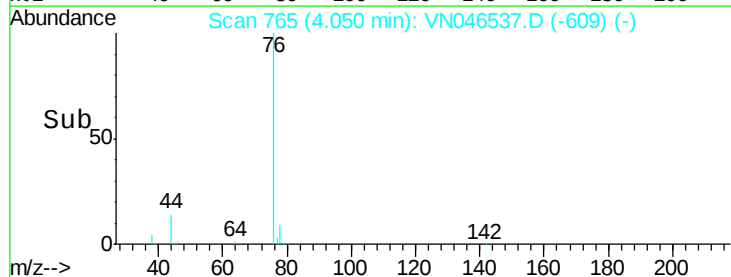
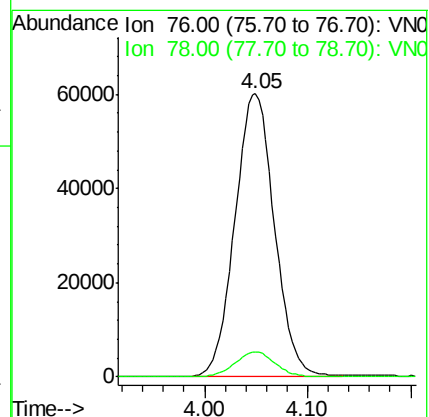
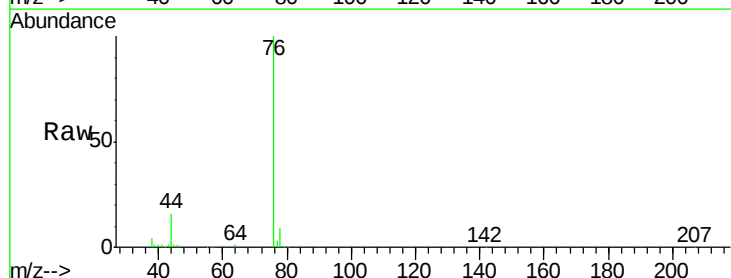
Acq: 24 Jan 2018 10:46

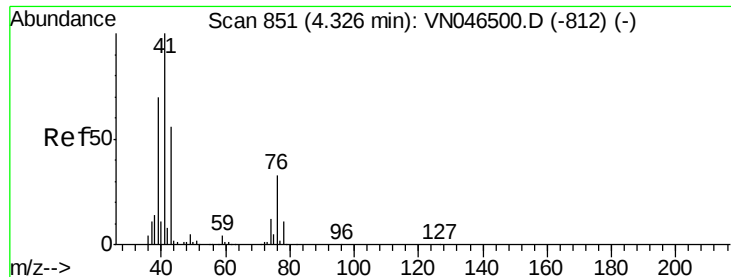
Tgt Ion: 76 Resp: 160582

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#17

Allyl chloride

Concen: 24.15 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

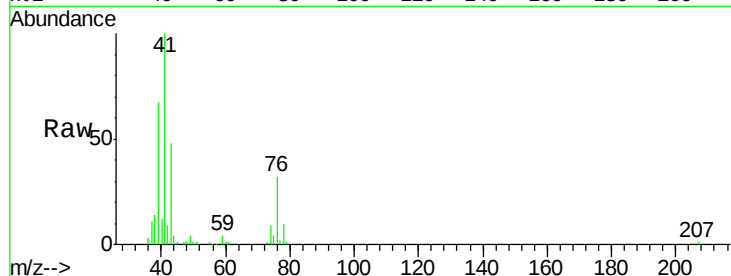
Tgt Ion: 41 Resp: 115299

Ion Ratio Lower Upper

41 100

39 66.9 33.5 100.4

76 31.8 15.9 47.7

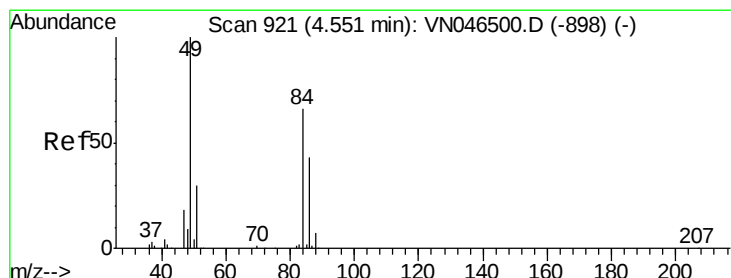
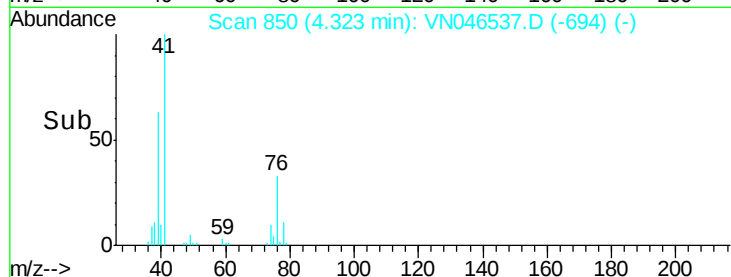
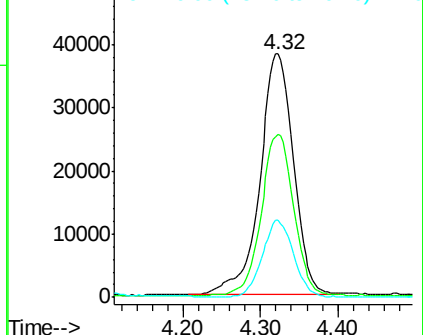


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 19.17 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Tgt Ion: 84 Resp: 58623

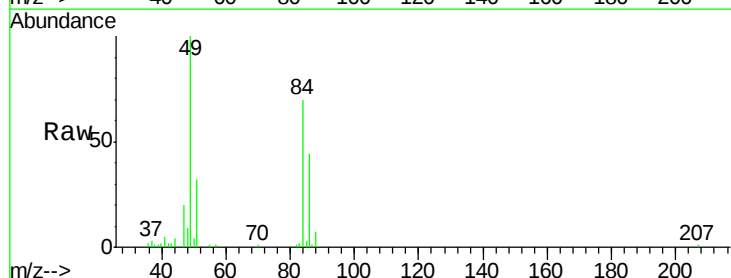
Ion Ratio Lower Upper

84 100

49 142.4 113.9 170.9

51 45.4 36.3 54.5

86 62.9 50.3 75.5



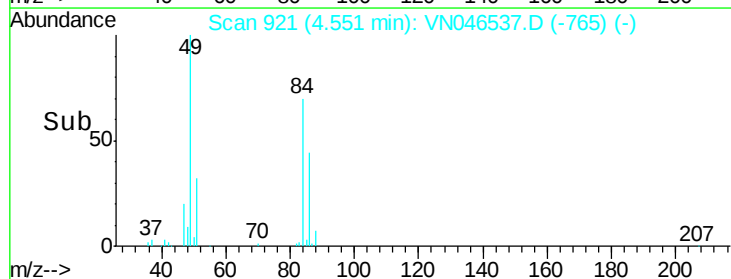
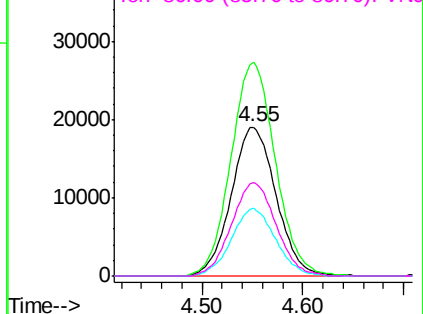
Abundance

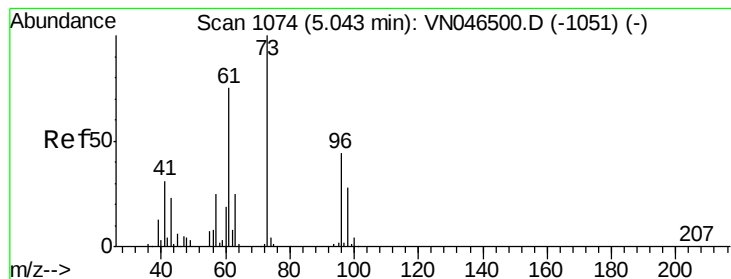
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 21.70 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

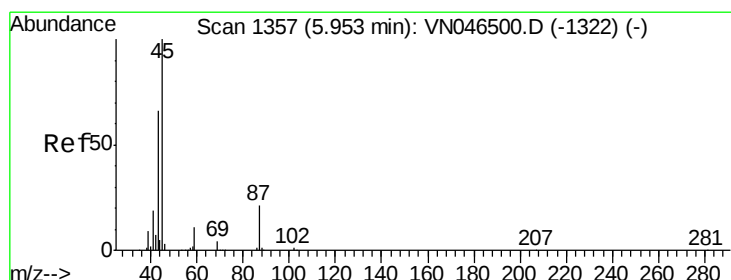
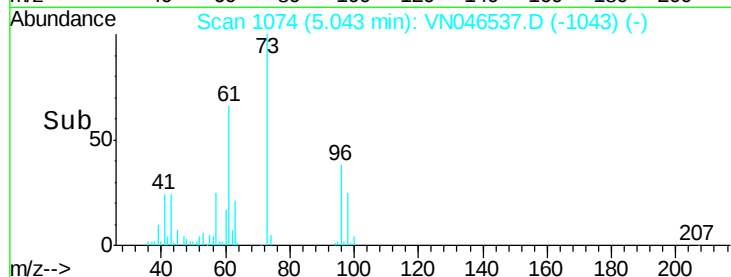
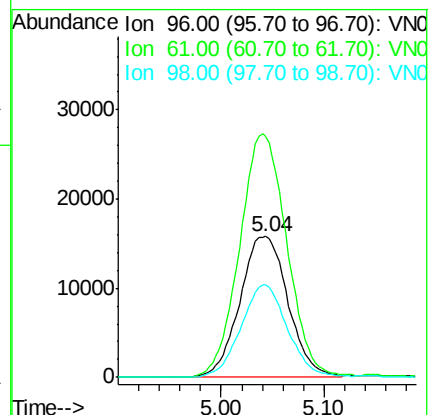
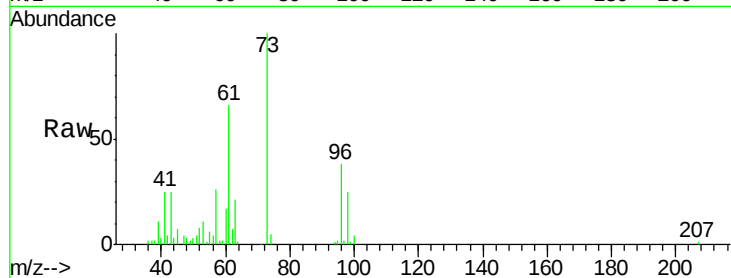
Tgt Ion: 96 Resp: 51403

Ion Ratio Lower Upper

96 100

61 171.6 137.3 205.9

98 65.4 52.3 78.5



#20

Diisopropyl ether

Concen: 22.58 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Tgt Ion: 45 Resp: 208509

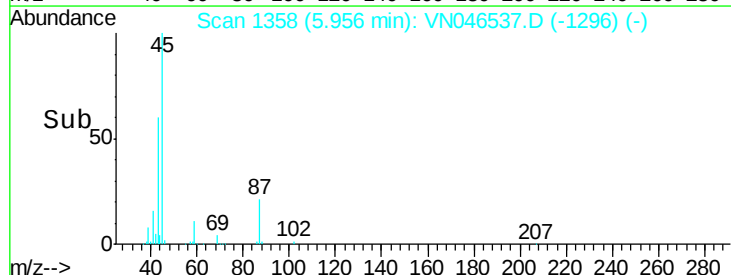
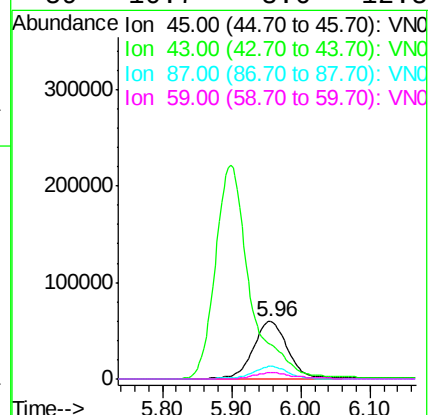
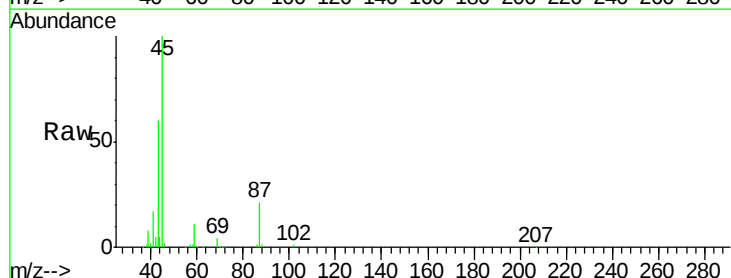
Ion Ratio Lower Upper

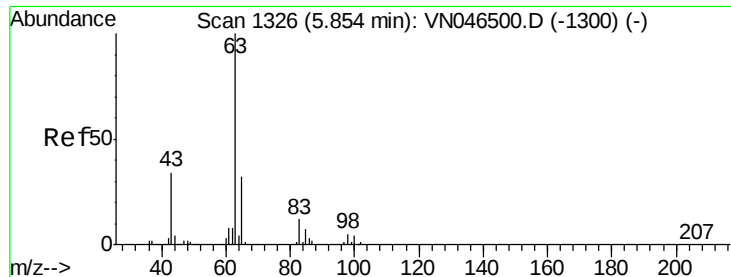
45 100

43 56.4 45.1 67.7

87 20.7 16.6 24.8

59 10.7 8.6 12.8





#21

1,1-Dichloroethane

Concen: 20.92 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

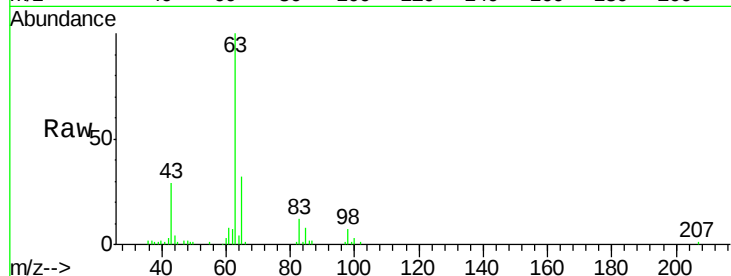
Tgt Ion: 63 Resp: 114319

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

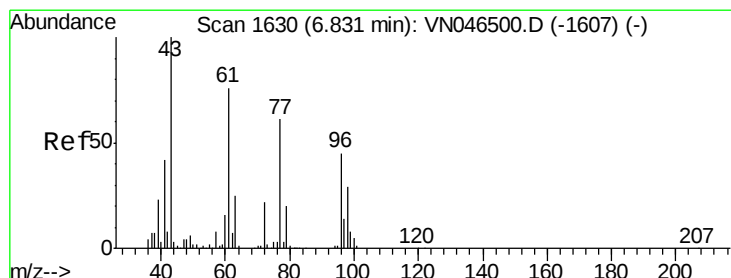
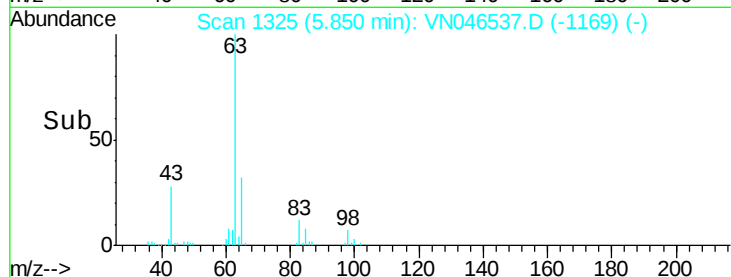
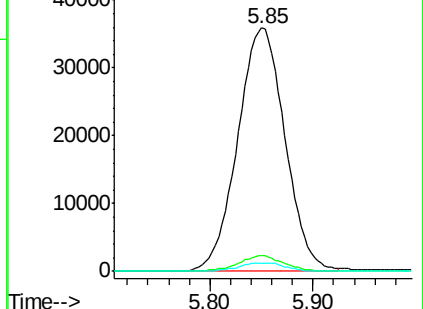
100 3.3 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VN046537.D (-1169) (-)

Ion 98.00 (97.70 to 98.70): VN046537.D (-1169) (-)

Ion 100.00 (99.70 to 100.70): VN046537.D (-1169) (-)



#22

cis-1,2-Dichloroethene

Concen: 22.27 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

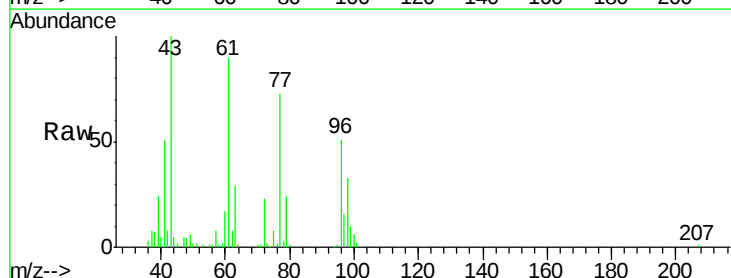
Tgt Ion: 96 Resp: 59422

Ion Ratio Lower Upper

96 100

61 176.6 141.3 211.9

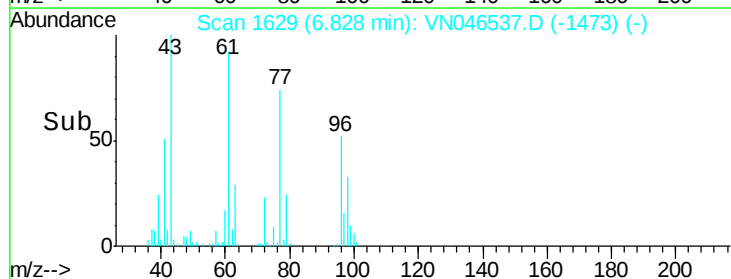
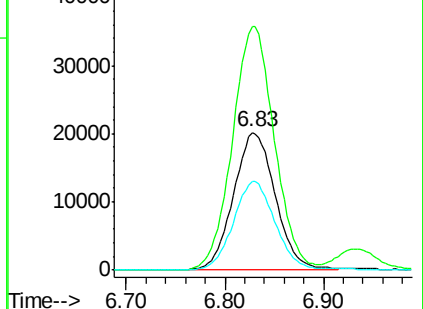
98 63.8 51.0 76.6

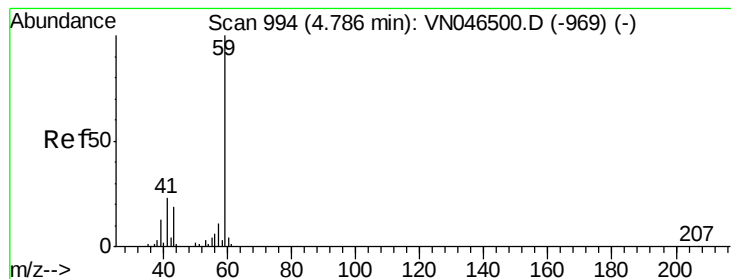


Abundance Ion 96.00 (95.70 to 96.70): VN046537.D (-1473) (-)

Ion 61.00 (60.70 to 61.70): VN046537.D (-1473) (-)

Ion 98.00 (97.70 to 98.70): VN046537.D (-1473) (-)





#23

tert-Butyl Alcohol

Concen: 134.61 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

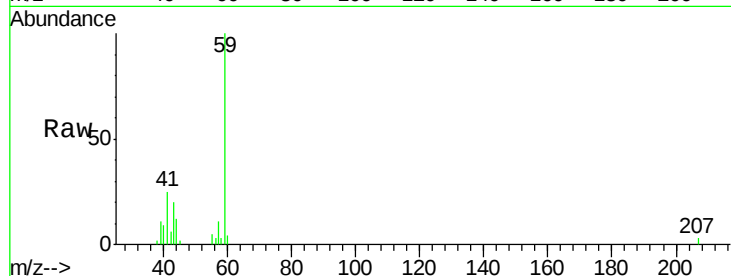
VSTDICCC020

Tgt Ion: 59 Resp: 26570

Ion Ratio Lower Upper

59 100

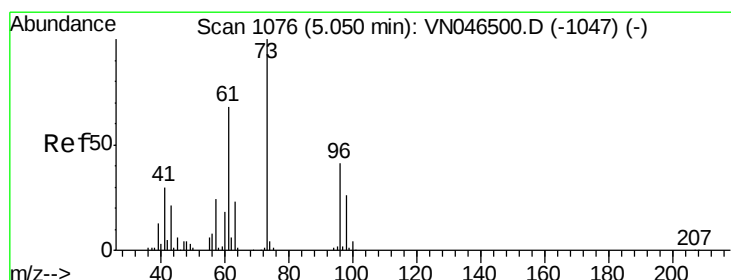
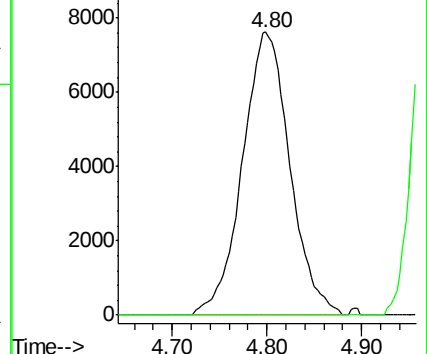
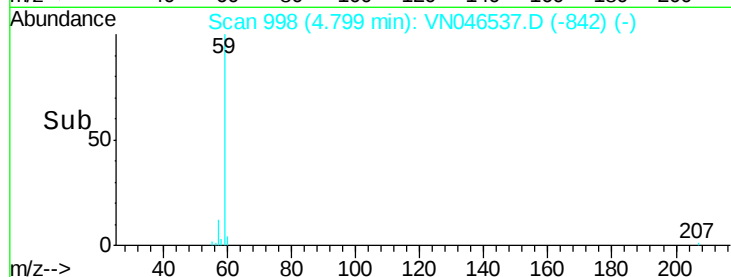
52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN046500.D (-969) (-)

Ion 52.00 (51.70 to 52.70): VN046537.D (-842) (-)

Time-->



#24

Methyl tert-Butyl Ether

Concen: 24.66 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN046537.D

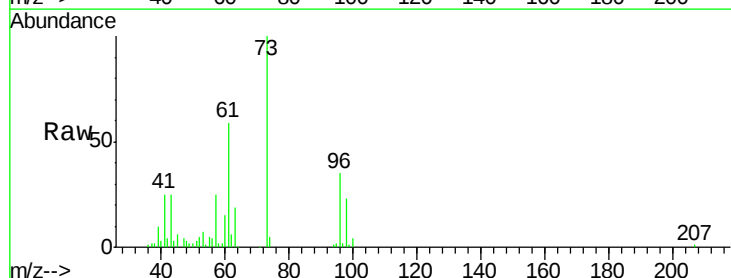
Acq: 24 Jan 2018 10:46

Tgt Ion: 73 Resp: 157731

Ion Ratio Lower Upper

73 100

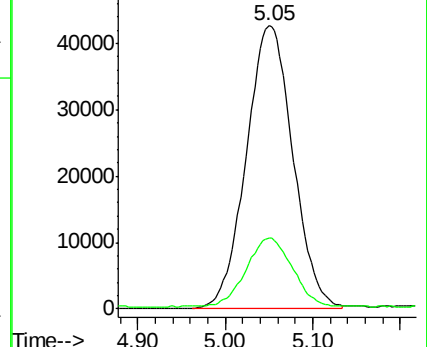
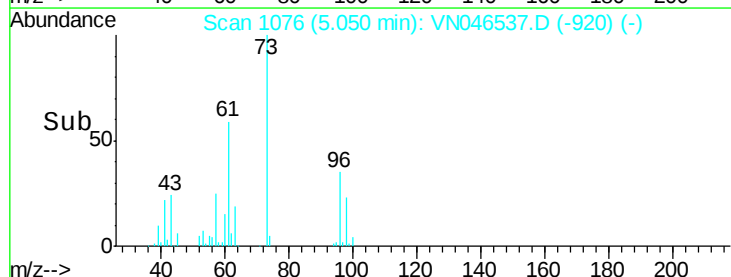
43 23.8 19.0 28.6

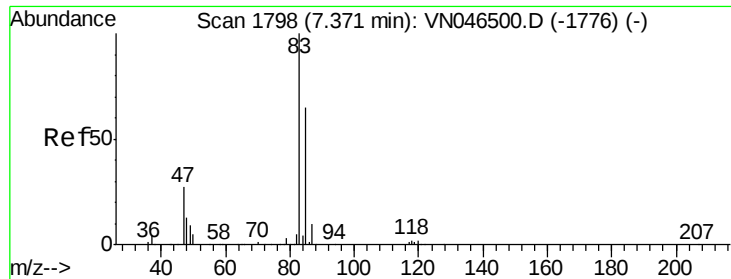


Abundance Ion 73.00 (72.70 to 73.70): VN046500.D (-1047) (-)

Ion 43.00 (42.70 to 43.70): VN046537.D (-920) (-)

Time-->

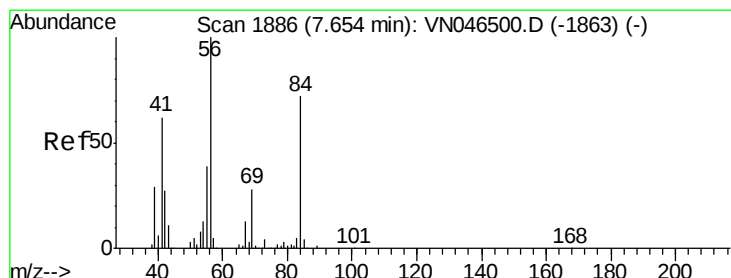
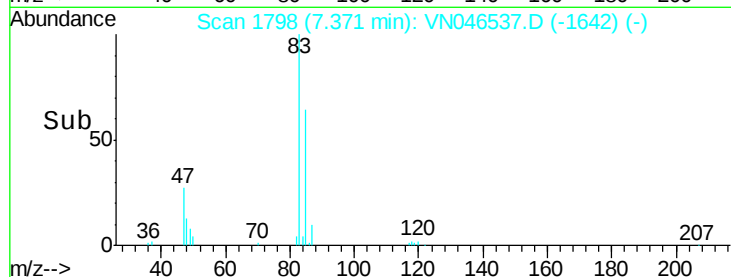
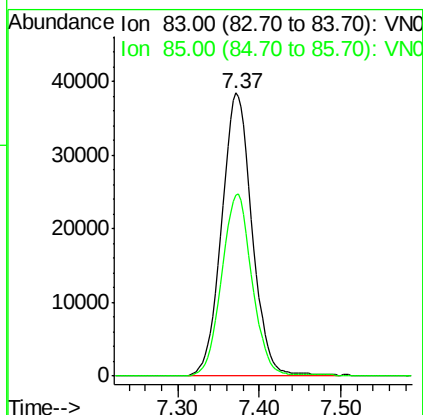
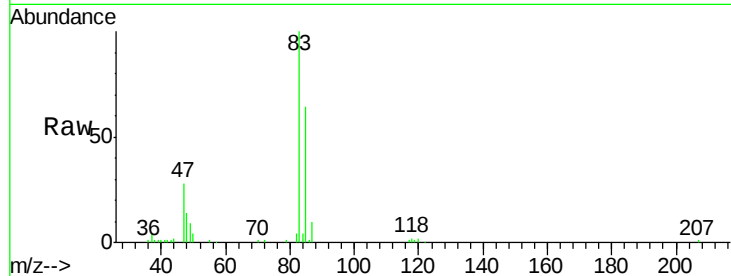




#25
Chloroform
Concen: 20.48 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

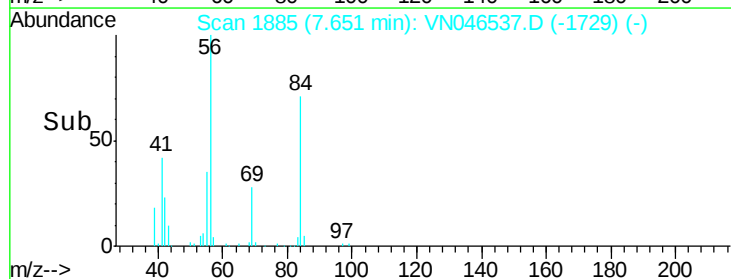
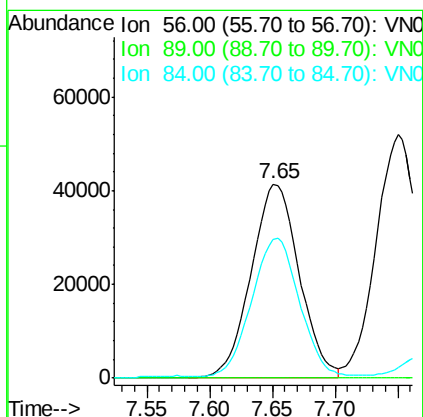
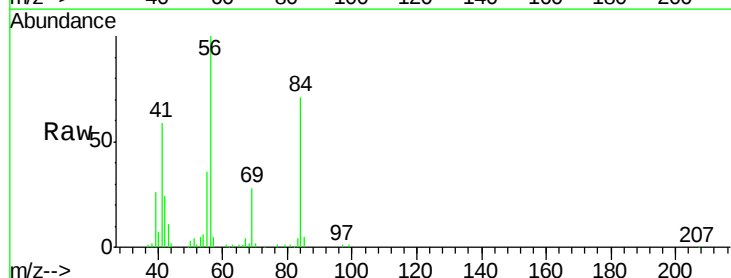
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

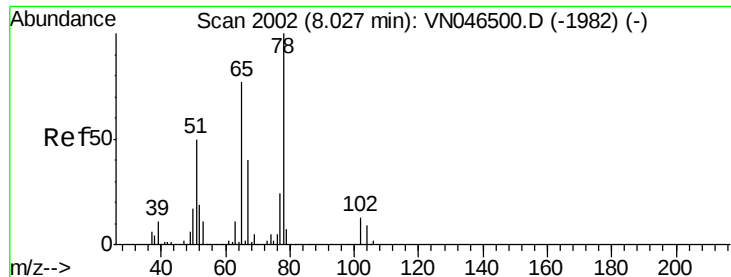
Tgt Ion: 83 Resp: 101208
Ion Ratio Lower Upper
83 100
85 64.2 51.4 77.0



#26
Cyclohexane
Concen: 24.53 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion: 56 Resp: 110511
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 71.0 56.8 85.2





#27

1,2-Dichloroethane-d4

Concen: 30.22 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

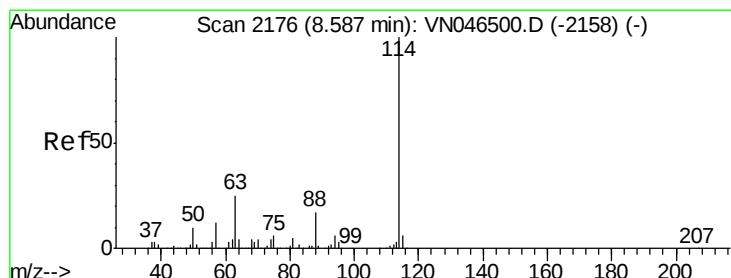
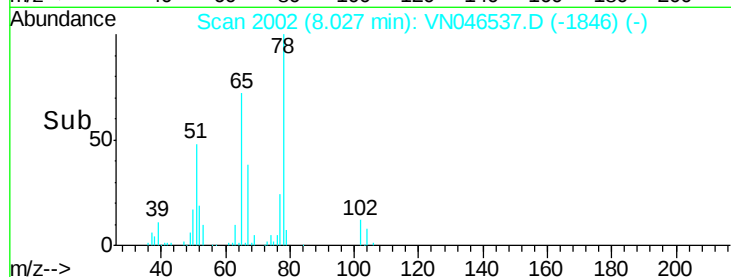
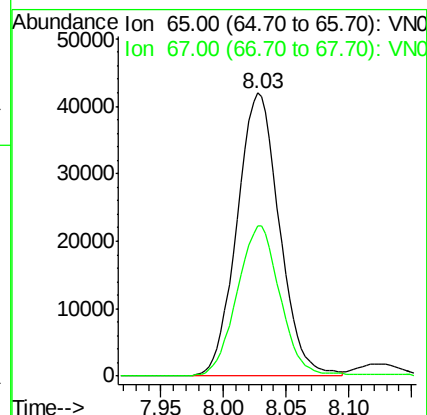
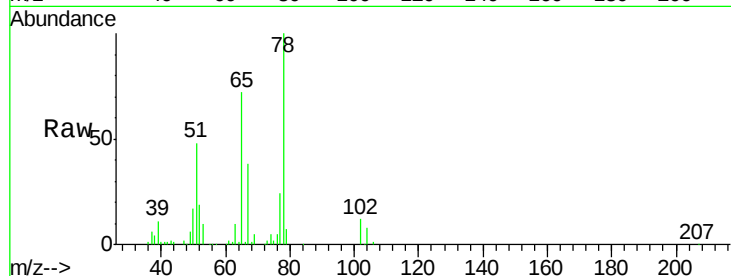
VSTDICCC020

Tgt Ion: 65 Resp: 98669

Ion Ratio Lower Upper

65 100

67 54.3 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: VN046537.D

Acq: 24 Jan 2018 10:46

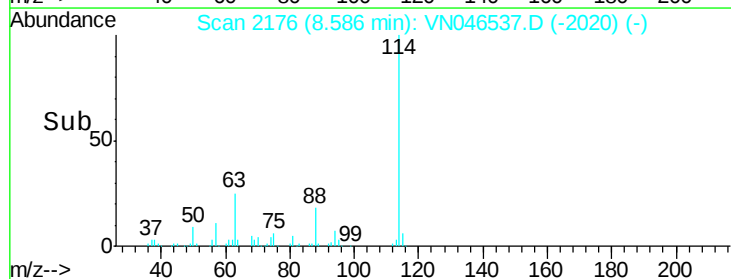
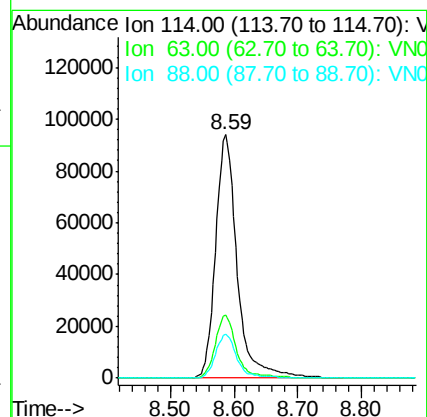
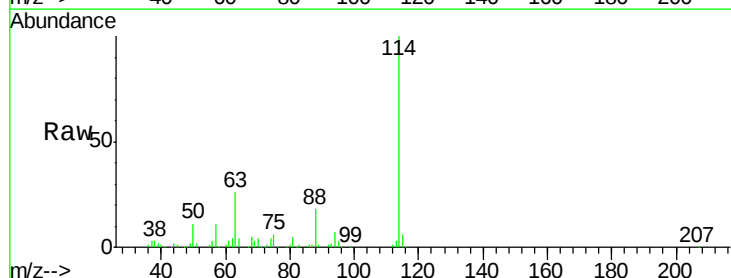
Tgt Ion: 114 Resp: 221391

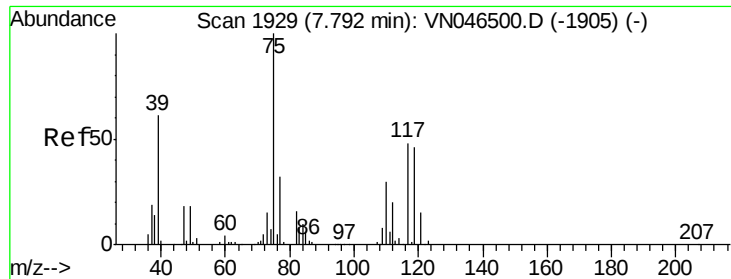
Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.4

88 17.7 14.2 21.2

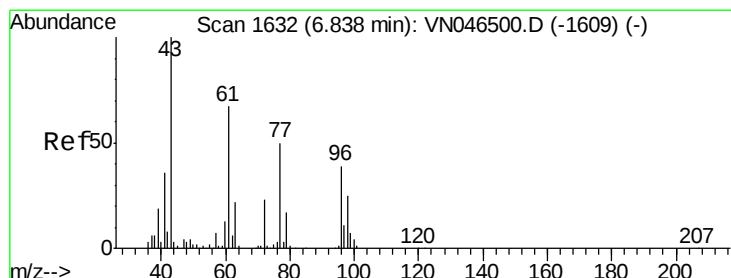
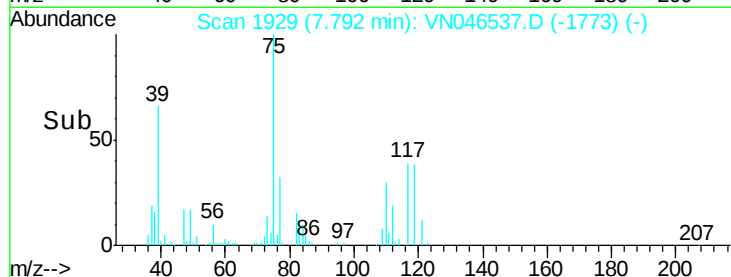
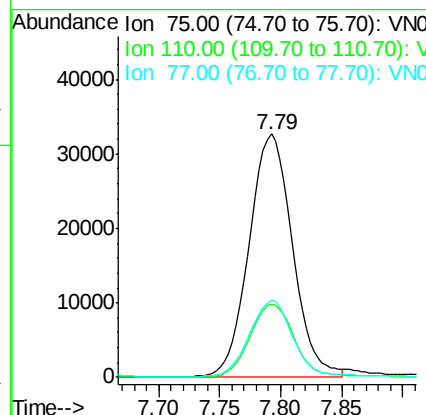
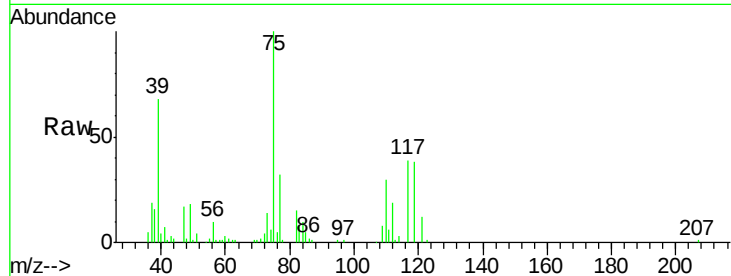




#29
 1,1-Dichloropropene
 Concen: 19.92 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

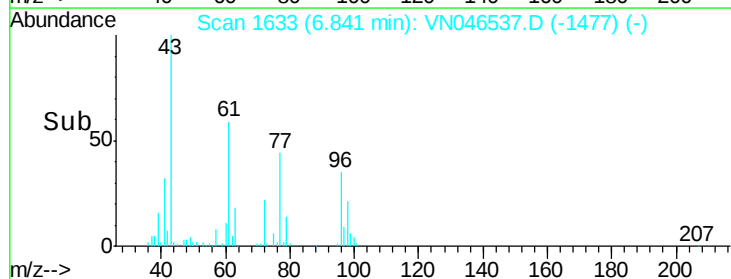
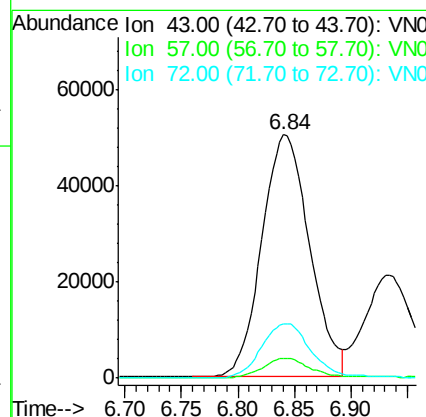
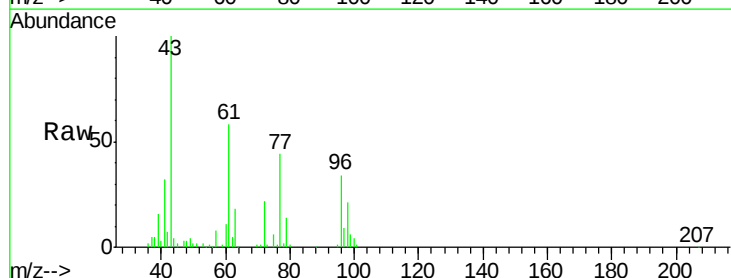
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

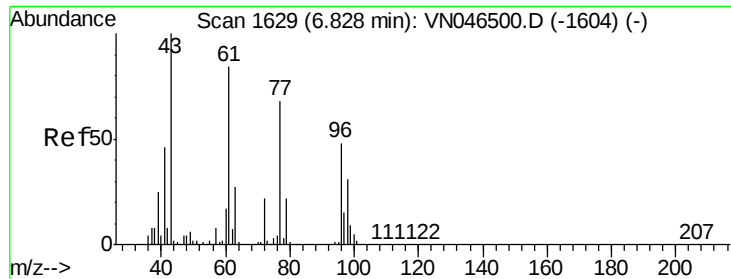
Tgt Ion: 75 Resp: 80879
 Ion Ratio Lower Upper
 75 100
 110 30.5 0.0 61.0
 77 31.6 0.0 63.2



#30
 2-Butanone
 Concen: 105.73 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion: 43 Resp: 147608
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.8 10.2
 72 23.6 18.9 28.3

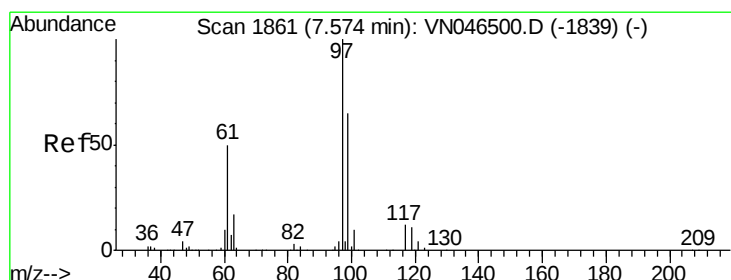
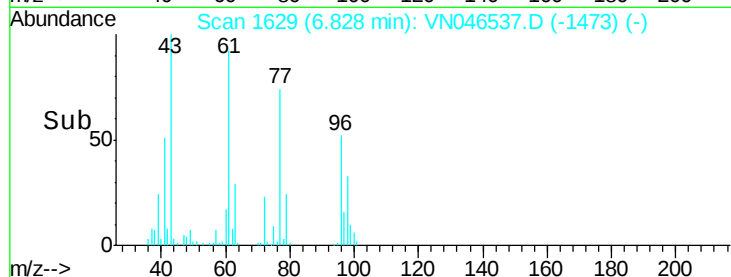
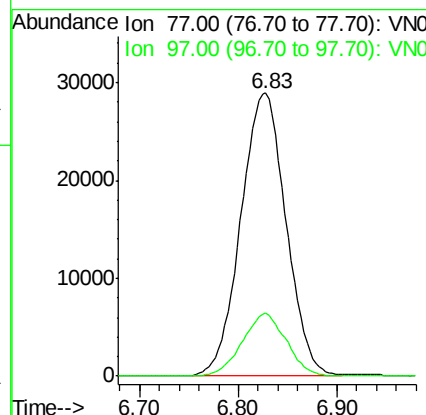
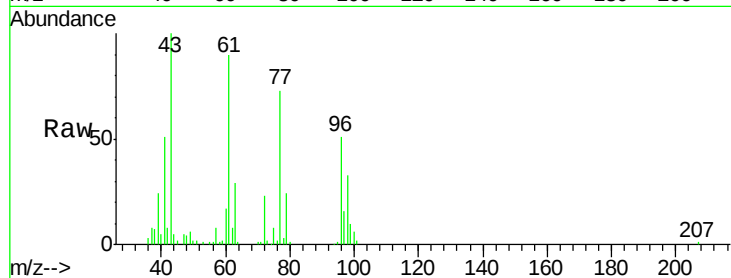




#31
 2,2-Dichloropropane
 Concen: 20.11 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

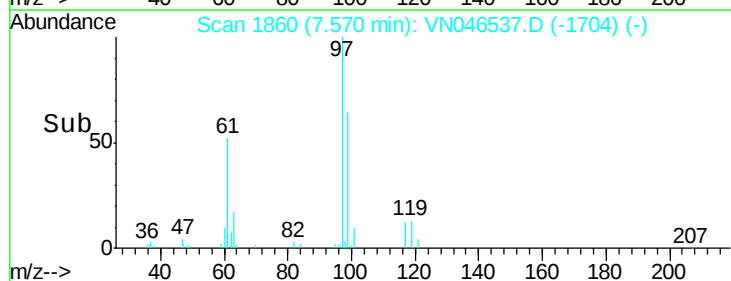
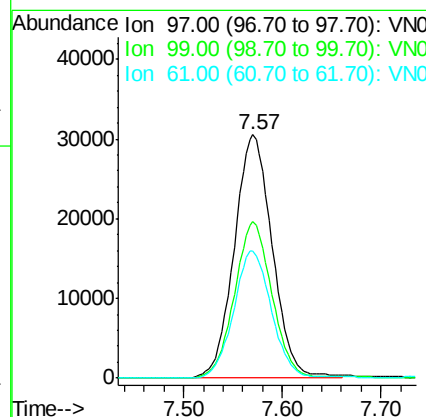
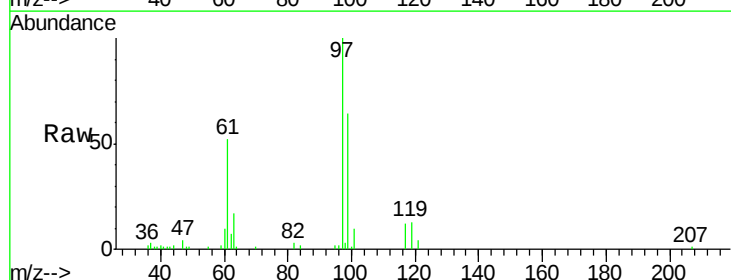
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

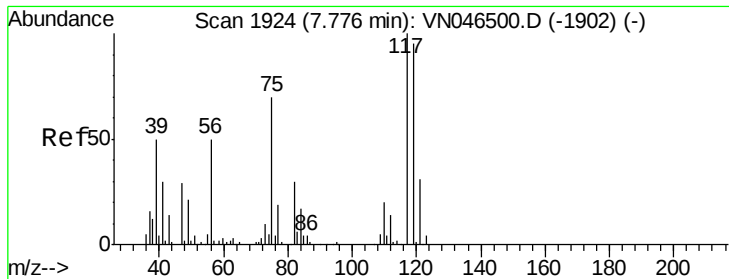
Tgt Ion: 77 Resp: 91924
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.2 25.8



#32
 1,1,1-Trichloroethane
 Concen: 18.67 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion: 97 Resp: 81988
 Ion Ratio Lower Upper
 97 100
 99 63.0 50.4 75.6
 61 51.6 41.3 61.9

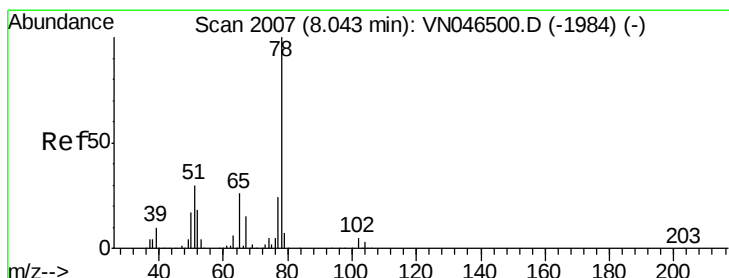
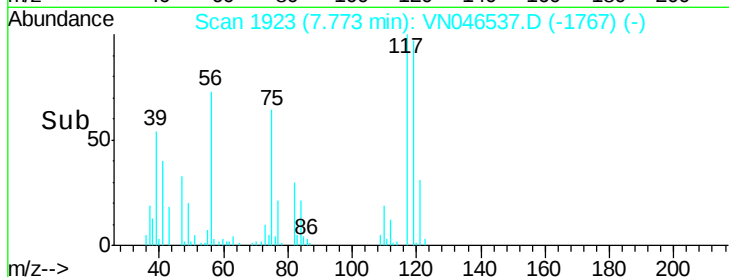
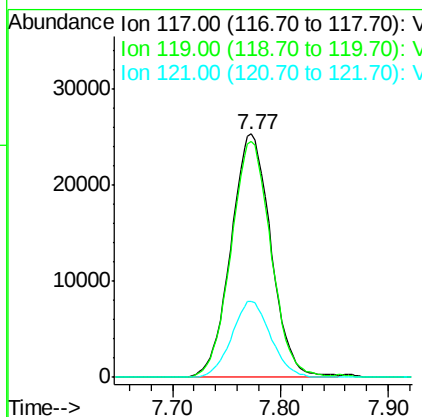
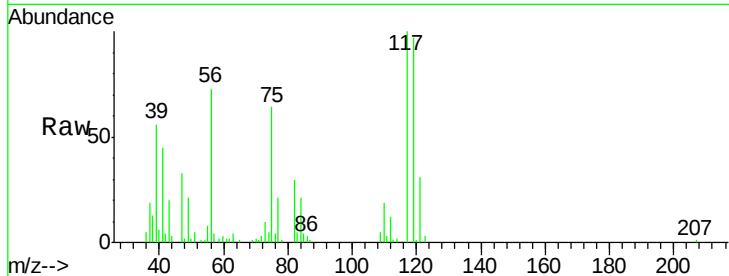




#33
Carbon Tetrachloride
Concen: 17.62 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

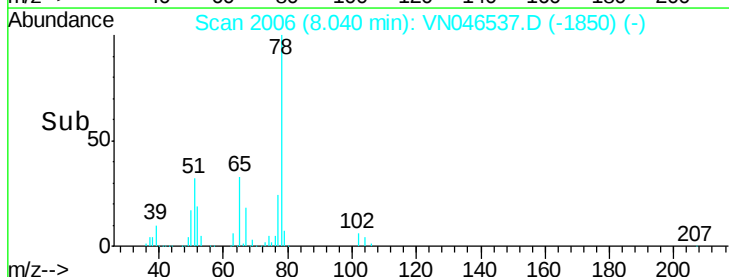
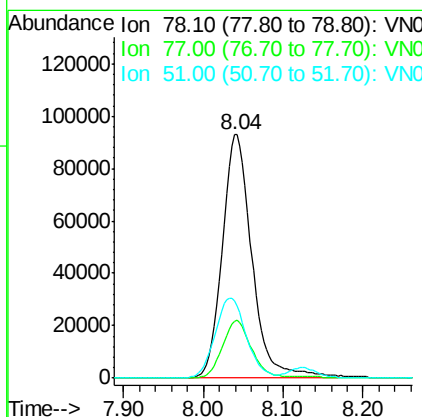
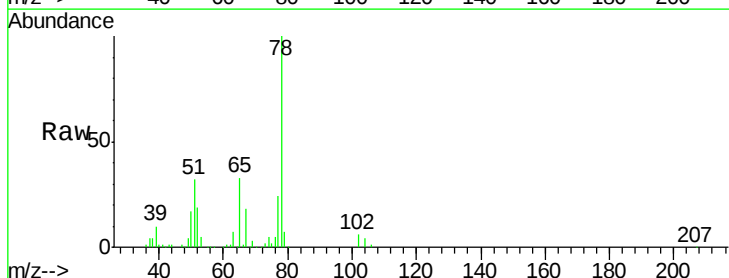
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

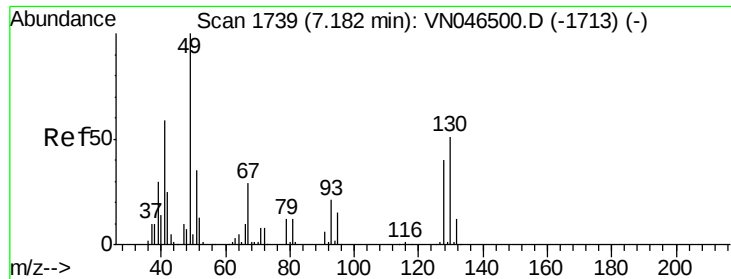
Tgt Ion:117 Resp: 65177
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5
121 31.4 25.1 37.7



#34
Benzene
Concen: 18.53 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion: 78 Resp: 236531
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2
51 31.7 25.4 38.0

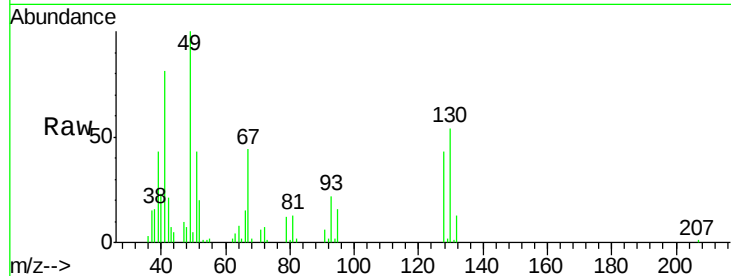




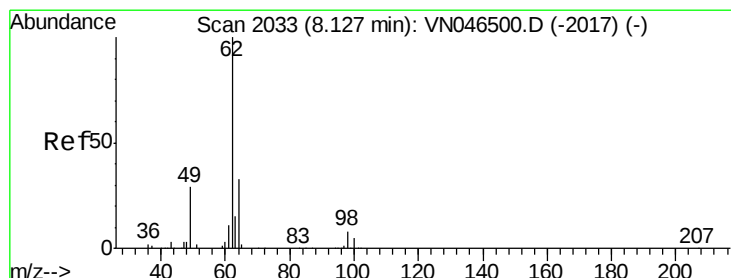
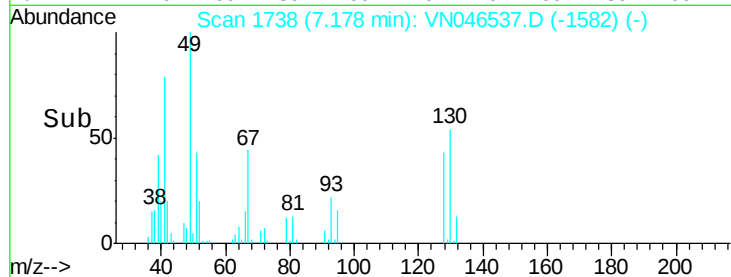
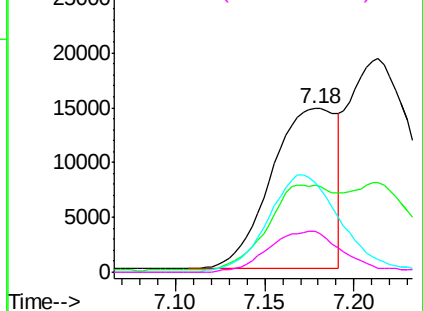
#35
Methacrylonitrile
Concen: 21.67 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:	41	Resp:	37010
Ion	Ratio	Lower	Upper
41	100		
39	53.2	26.6	79.8
67	55.9	28.0	83.9
52	25.4	12.7	38.1

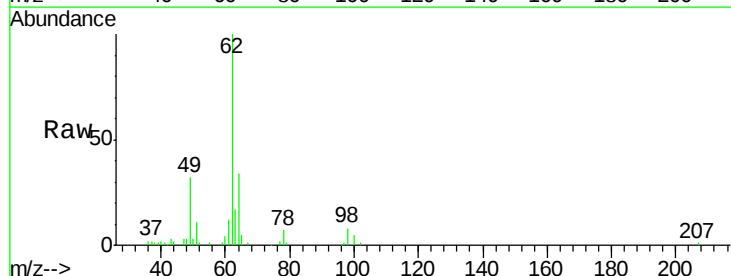


Abundance Ion 41.00 (40.70 to 41.70): VN046537.D (-1582) (-)
Ion 39.00 (38.70 to 39.70): VN046537.D (-1582) (-)
Ion 67.00 (66.70 to 67.70): VN046537.D (-1582) (-)
Ion 52.00 (51.70 to 52.70): VN046537.D (-1582) (-)

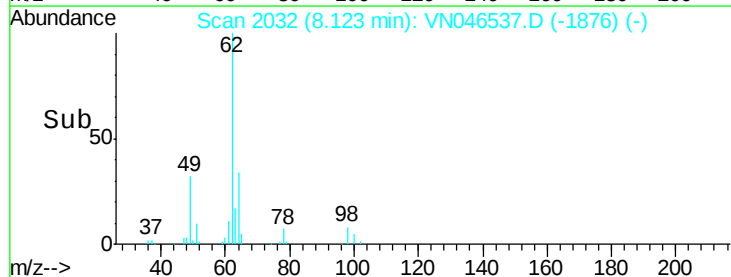
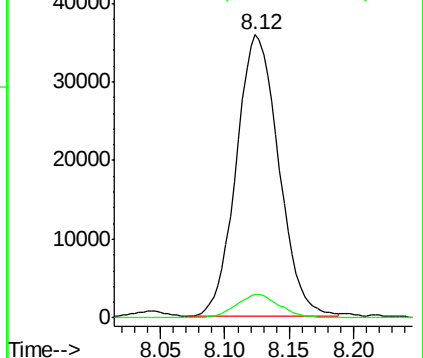


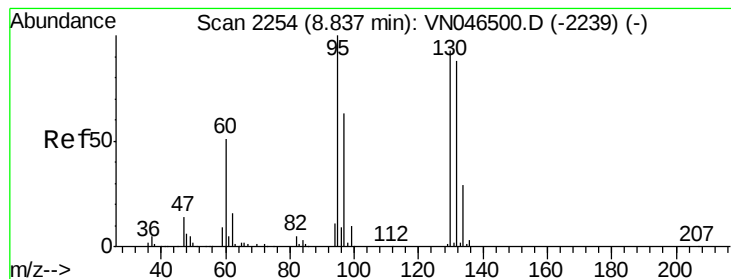
#36
1,2-Dichloroethane
Concen: 18.13 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion:	62	Resp:	81886
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.7	10.1



Abundance Ion 62.00 (61.70 to 62.70): VN046537.D (-1876) (-)
Ion 98.00 (97.70 to 98.70): VN046537.D (-1876) (-)





#37

Trichloroethene

Concen: 19.04 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

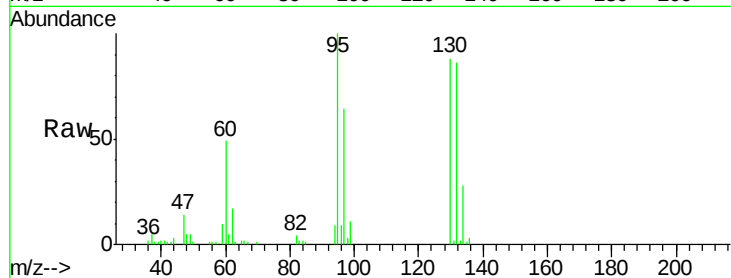
VSTDICCC020

Tgt Ion:130 Resp: 52224

Ion Ratio Lower Upper

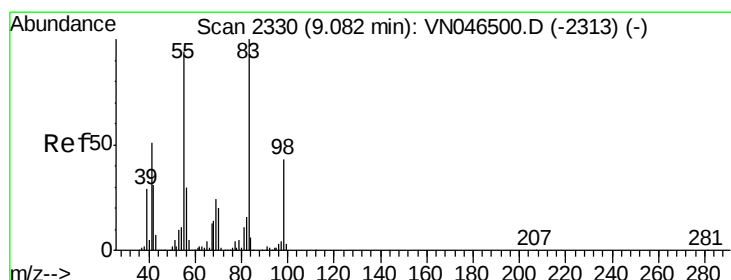
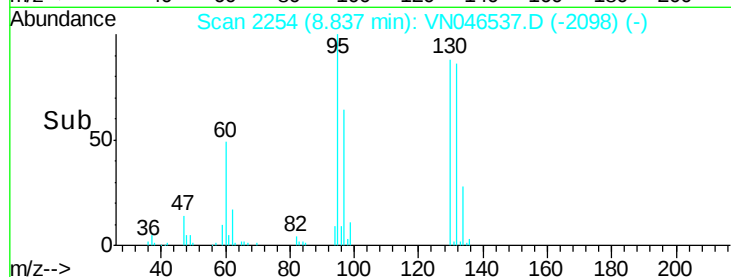
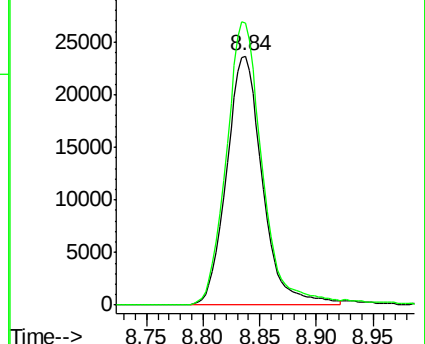
130 100

95 113.4 90.7 136.1



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 23.45 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

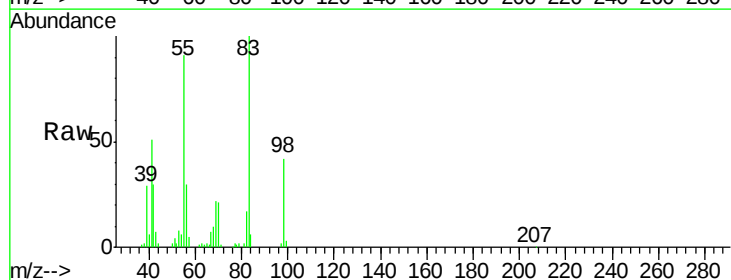
Tgt Ion: 83 Resp: 100626

Ion Ratio Lower Upper

83 100

55 87.7 43.9 131.6

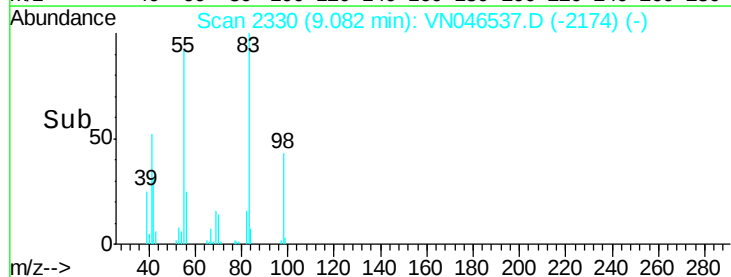
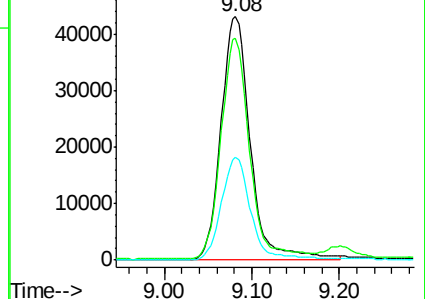
98 42.3 21.1 63.4

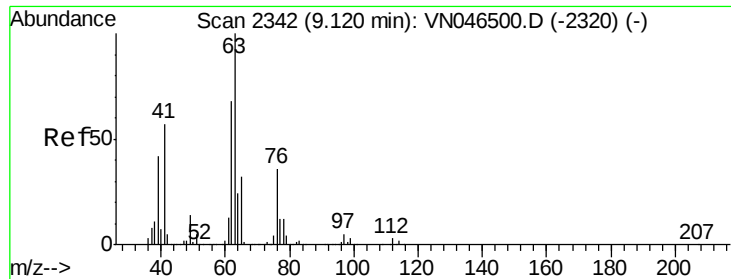


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

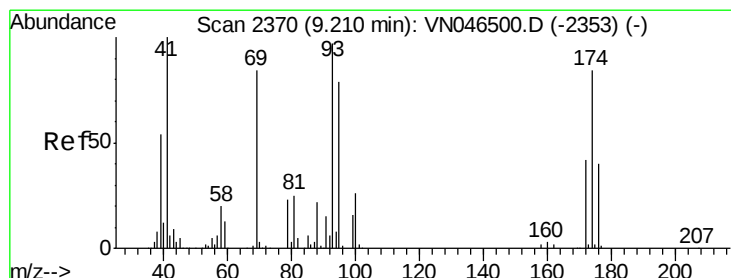
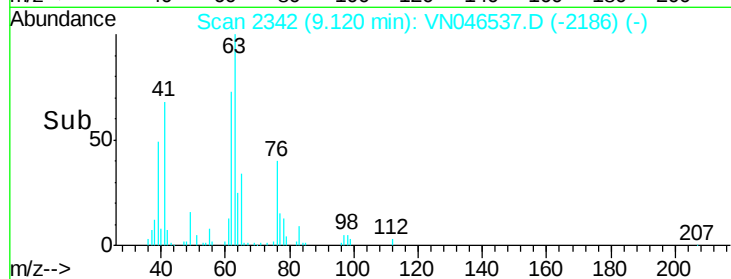
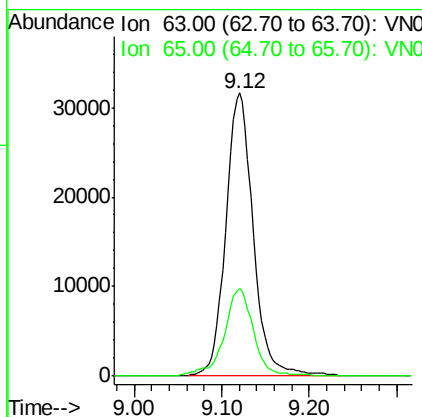
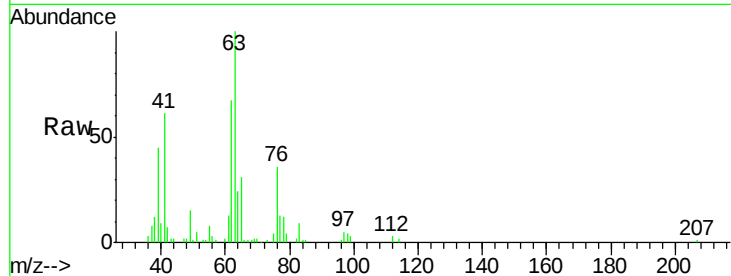




#39
 1,2-Dichloropropane
 Concen: 18.91 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

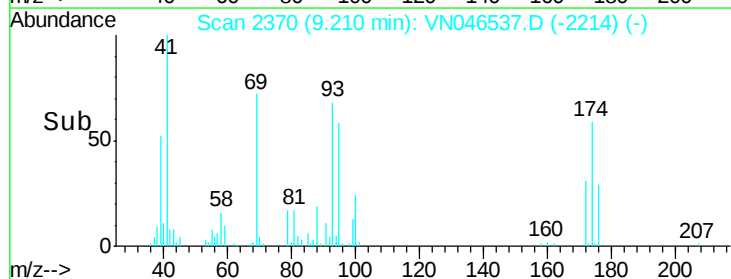
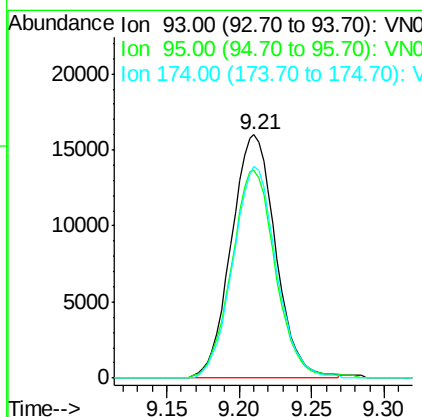
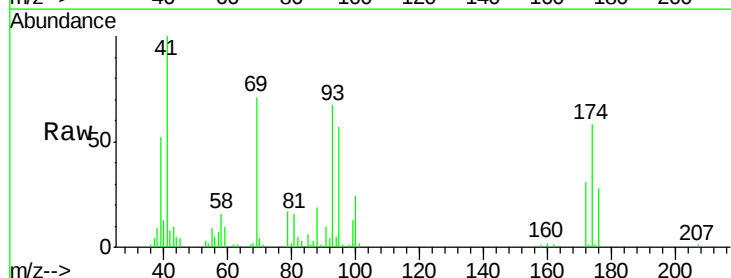
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

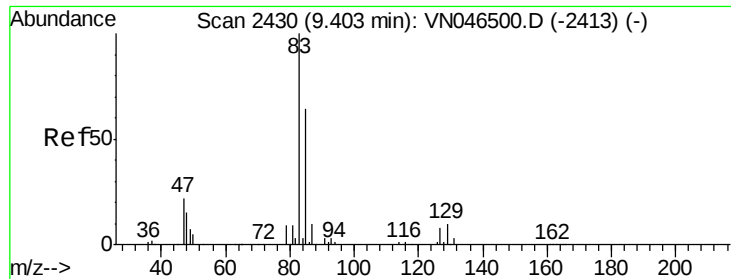
Tgt Ion: 63 Resp: 68917
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 37.0



#40
 Dibromomethane
 Concen: 17.96 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion: 93 Resp: 33964
 Ion Ratio Lower Upper
 93 100
 95 84.9 0.0 169.8
 174 85.2 0.0 170.4

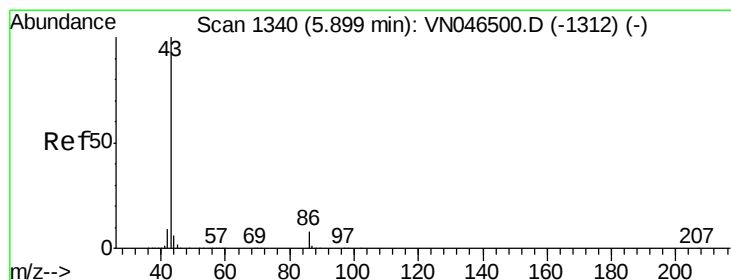
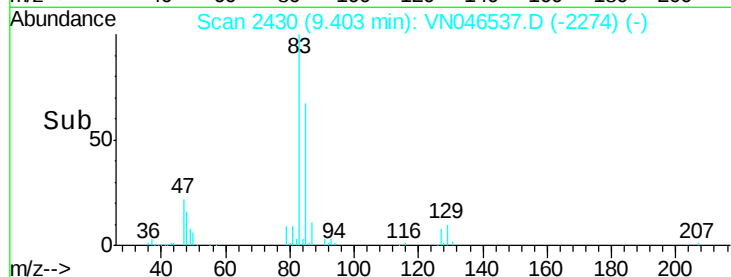
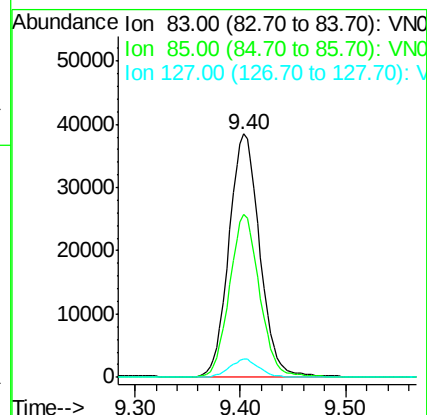
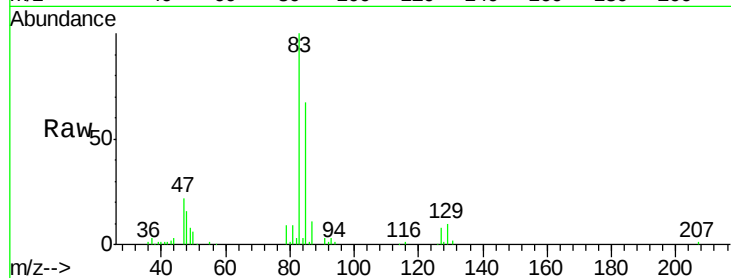




#41
 Bromodichloromethane
 Concen: 19.15 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

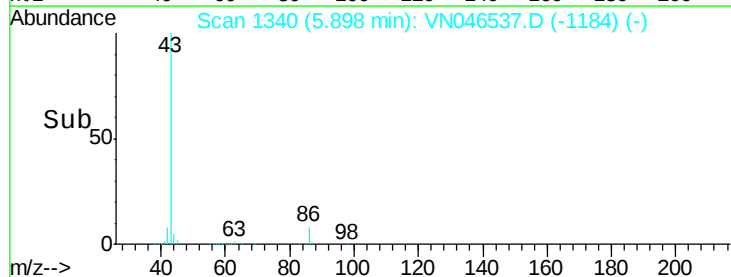
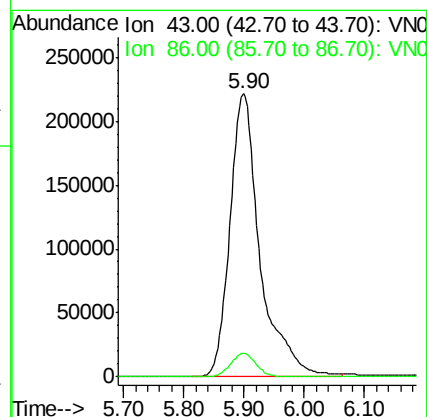
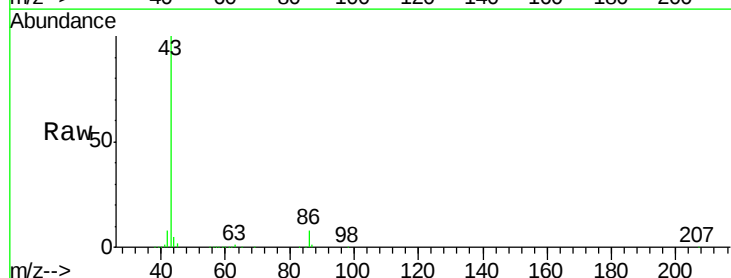
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

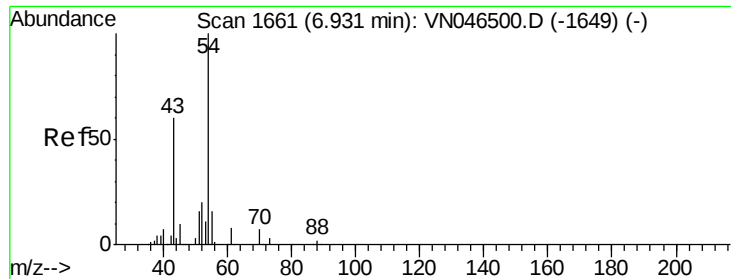
Tgt Ion: 83 Resp: 78022
 Ion Ratio Lower Upper
 83 100
 85 67.0 53.6 80.4
 127 7.5 6.0 9.0



#42
 Vinyl Acetate
 Concen: 105.32 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion: 43 Resp: 769412
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.7 8.5

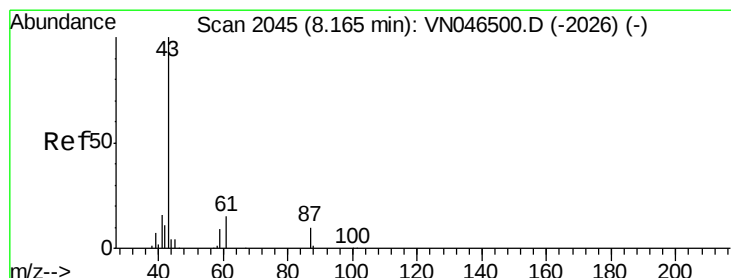
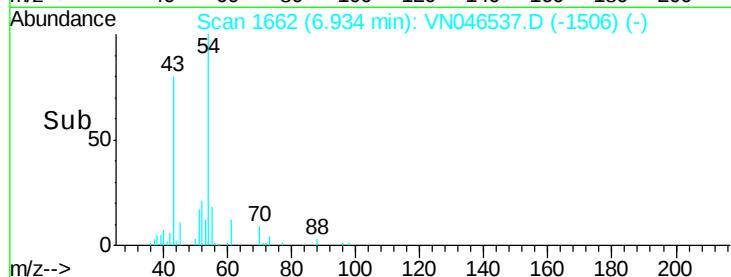
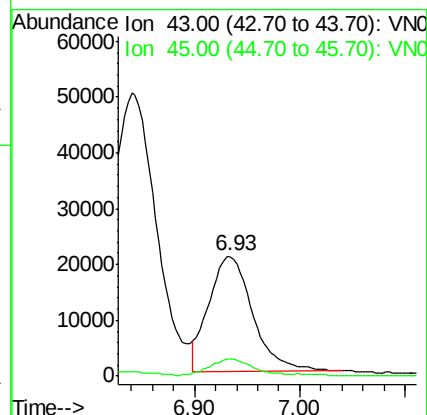
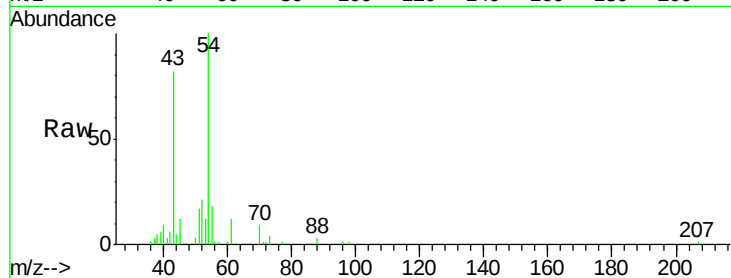




#43
Ethyl Acetate
Concen: 19.83 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

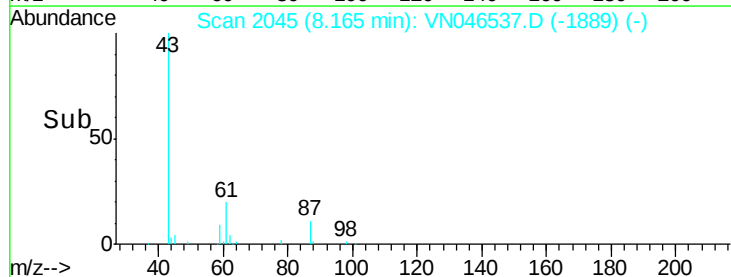
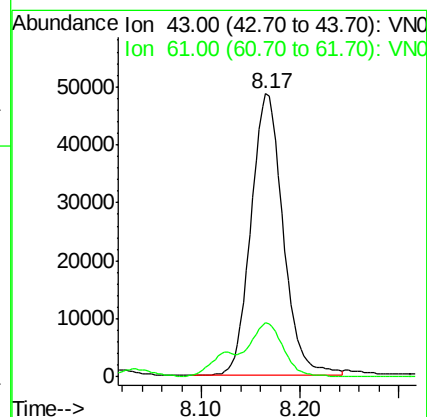
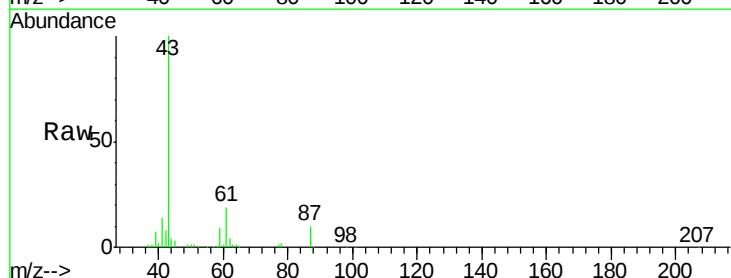
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

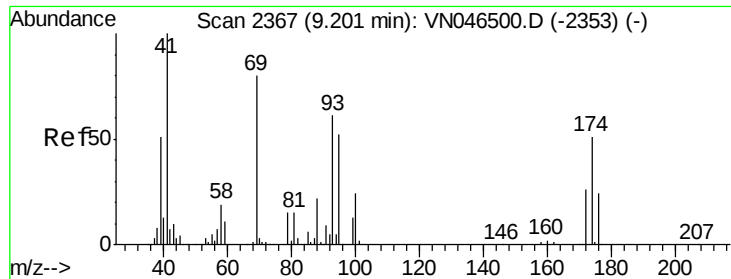
Tgt Ion: 43 Resp: 59982
Ion Ratio Lower Upper
43 100
45 13.0 10.4 15.6



#44
Isopropyl Acetate
Concen: 21.02 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion: 43 Resp: 109185
Ion Ratio Lower Upper
43 100
61 18.8 15.0 22.6

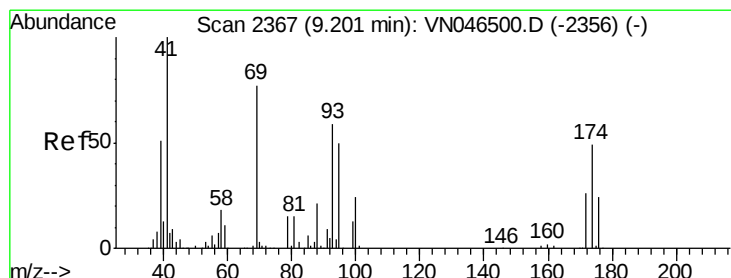
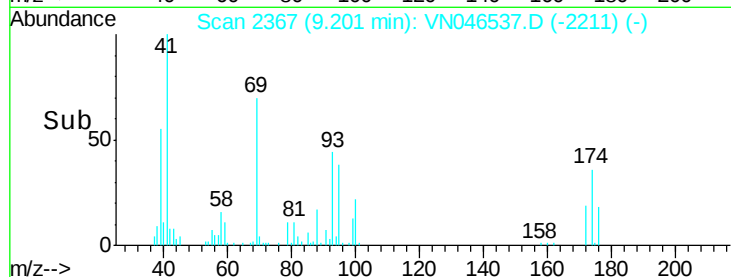
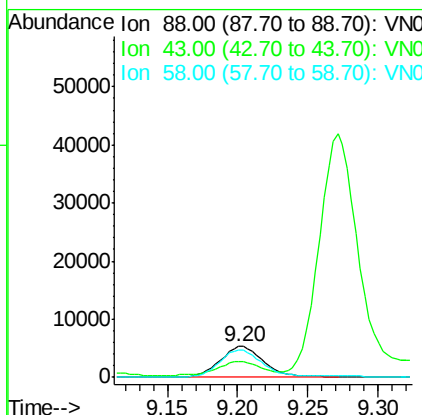
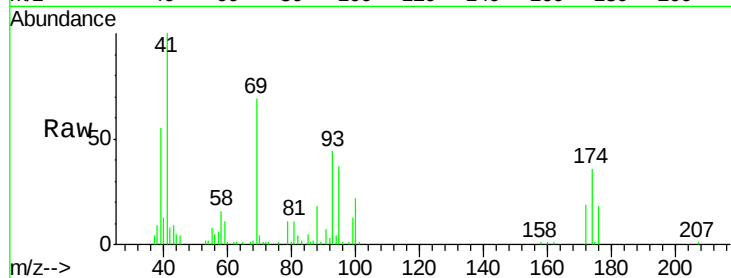




#45
 1,4-Dioxane
 Concen: 397.60 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

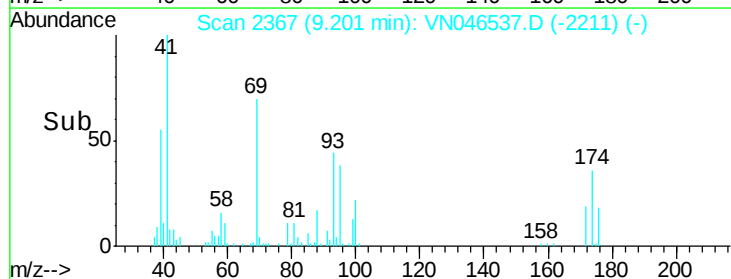
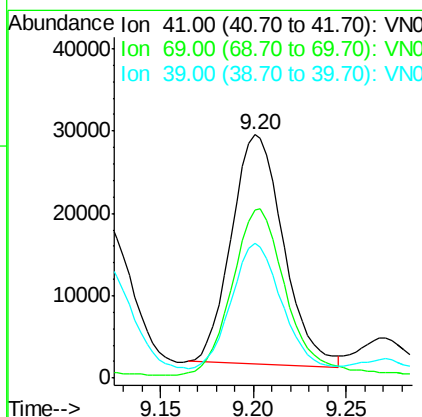
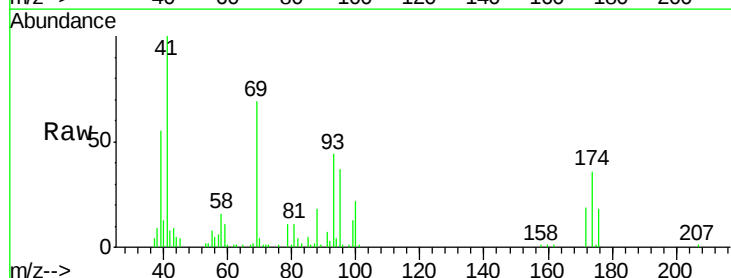
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

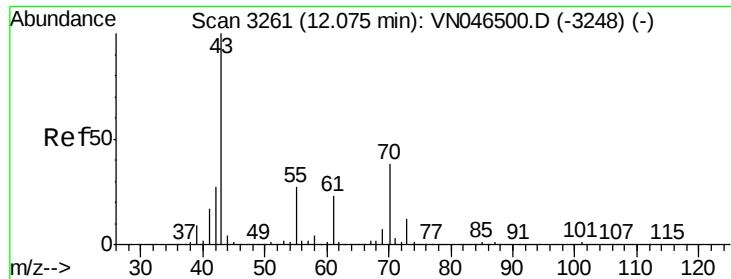
Tgt Ion: 88 Resp: 11497
 Ion Ratio Lower Upper
 88 100
 43 44.0 35.2 52.8
 58 89.0 71.2 106.8



#46
 Methyl methacrylate
 Concen: 22.81 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion: 41 Resp: 54211
 Ion Ratio Lower Upper
 41 100
 69 72.0 36.0 108.0
 39 55.2 27.6 82.8

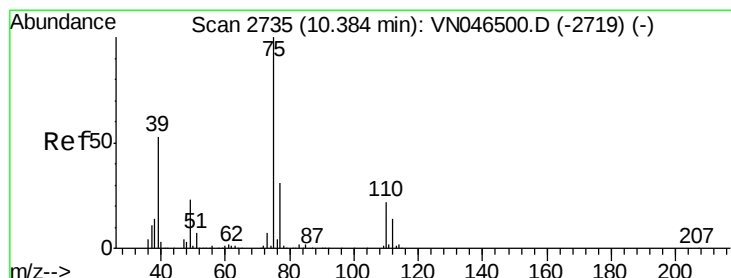
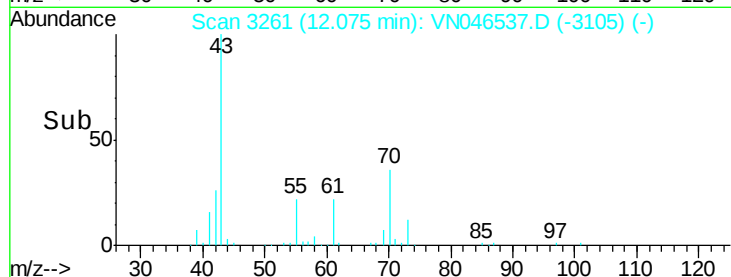
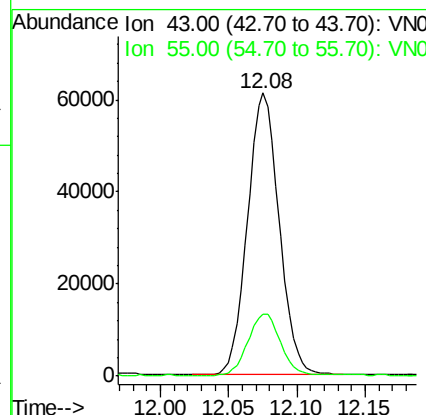
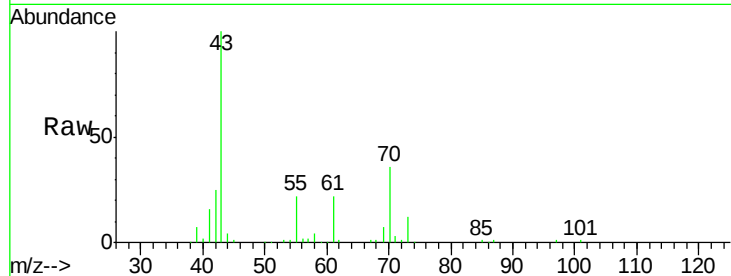




#47
n-amyl Acetate
Concen: 20.28 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

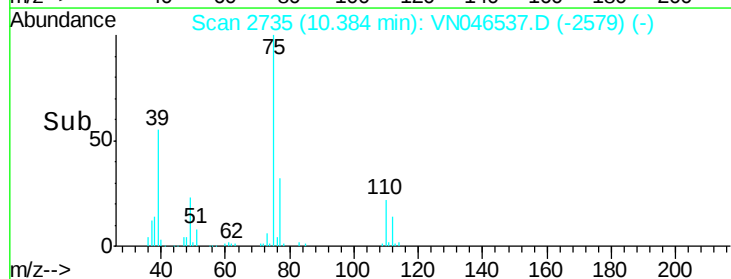
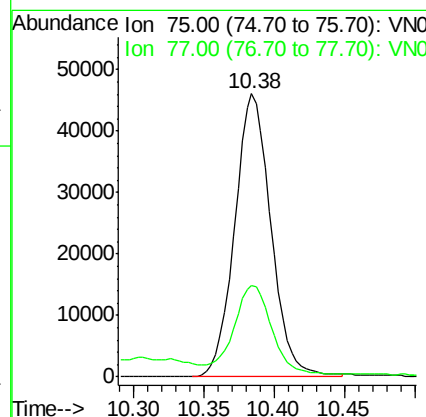
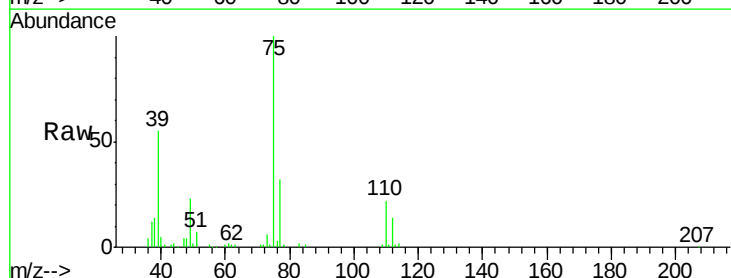
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

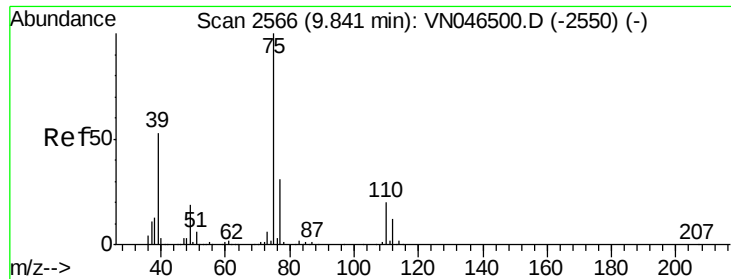
Tgt Ion: 43 Resp: 98819
Ion Ratio Lower Upper
43 100
55 22.0 17.6 26.4



#48
t-1,3-Dichloropropene
Concen: 19.74 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion: 75 Resp: 82959
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.4

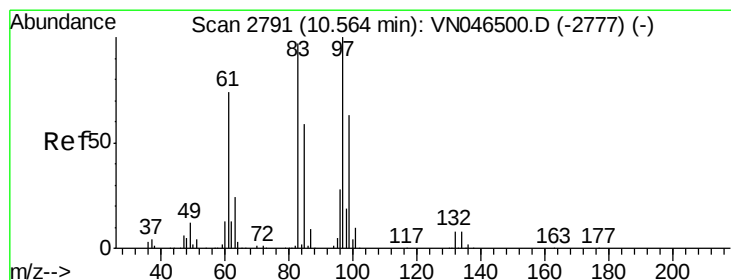
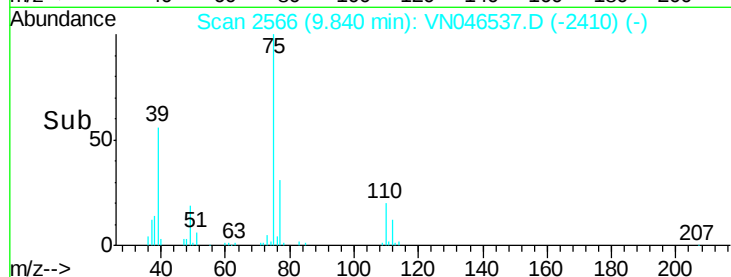
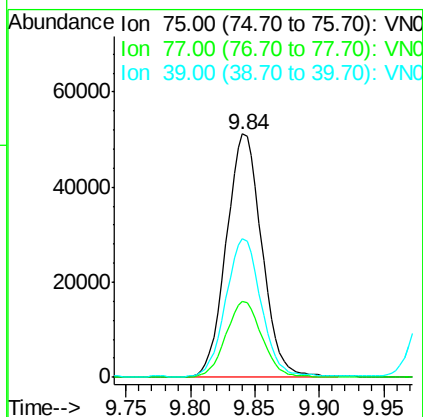
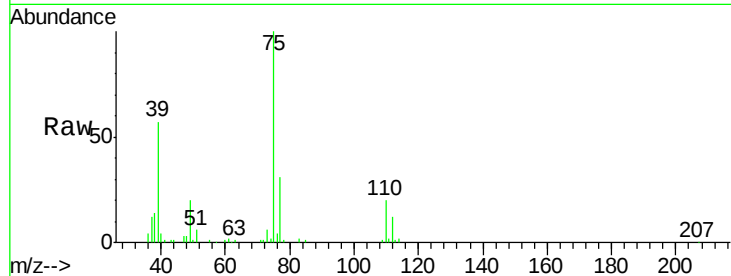




#49
 cis-1,3-Dichloropropene
 Concen: 20.09 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

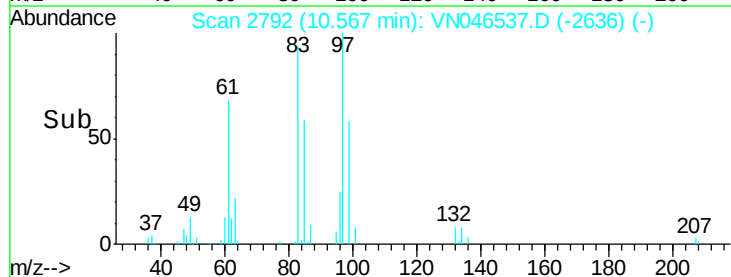
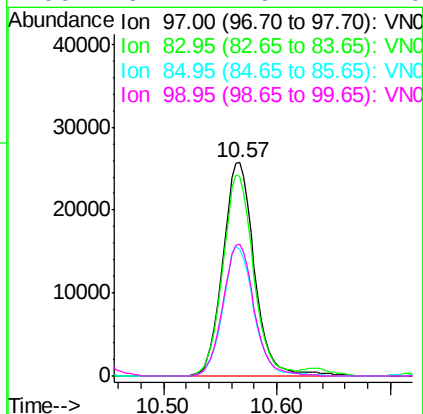
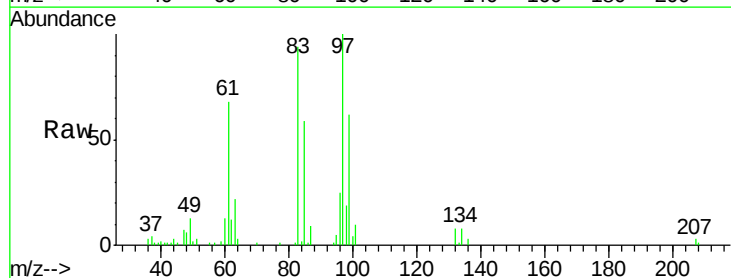
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

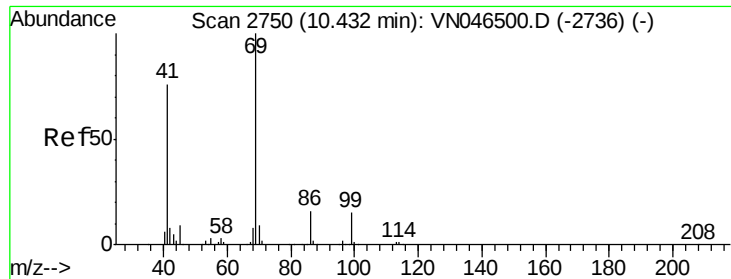
Tgt Ion: 75 Resp: 98605
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4
 39 56.4 45.1 67.7



#50
 1,1,2-Trichloroethane
 Concen: 18.89 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion: 97 Resp: 49976
 Ion Ratio Lower Upper
 97 100
 83 93.5 74.8 112.2
 85 59.4 47.5 71.3
 99 61.7 49.4 74.0





#51

Ethyl methacrylate

Concen: 23.10 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

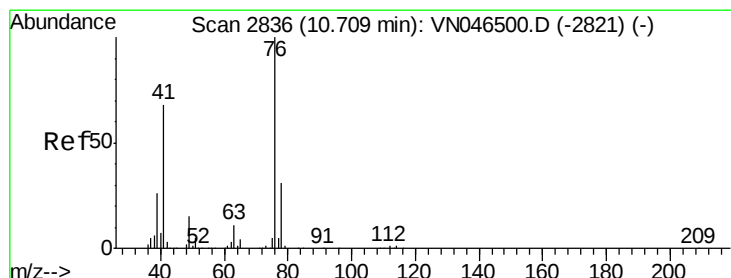
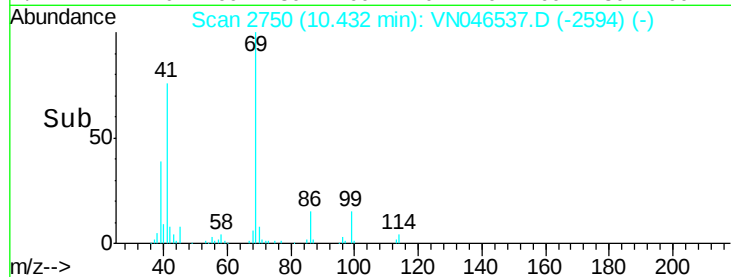
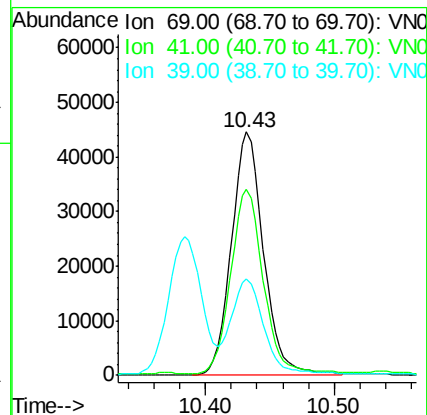
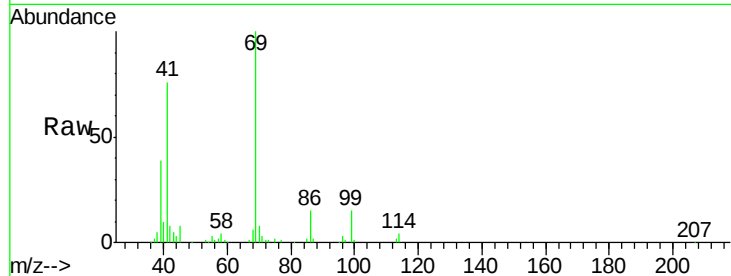
Tgt Ion: 69 Resp: 77278

Ion Ratio Lower Upper

69 100

41 75.6 37.8 113.4

39 38.5 19.3 57.8



#52

1,3-Dichloropropane

Concen: 18.76 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046537.D

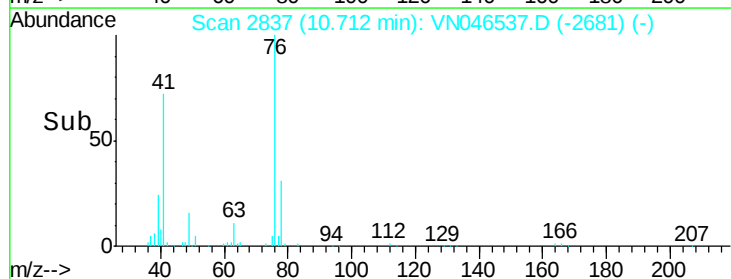
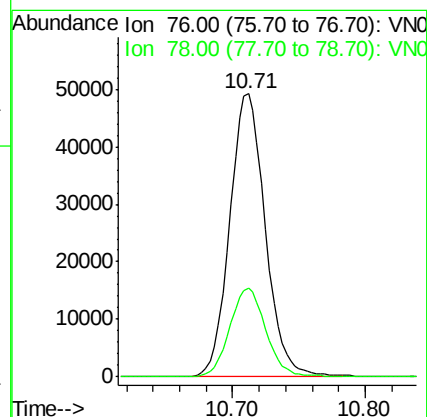
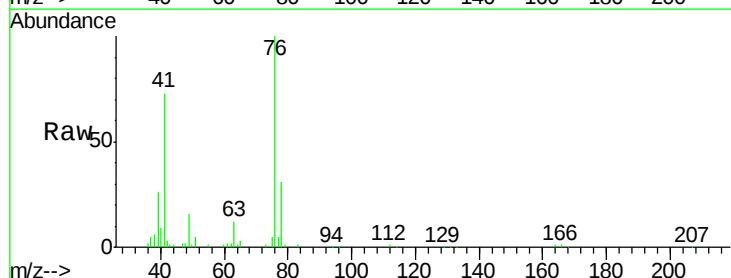
Acq: 24 Jan 2018 10:46

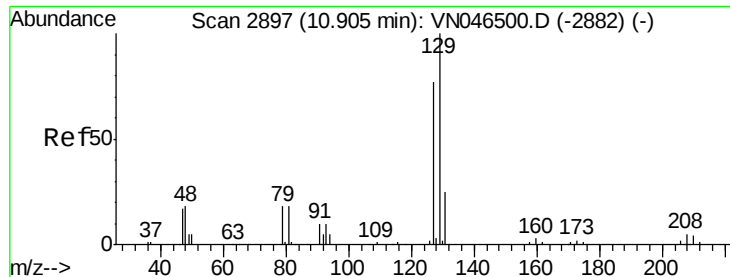
Tgt Ion: 76 Resp: 91670

Ion Ratio Lower Upper

76 100

78 31.8 0.0 63.6





#53

Dibromochloromethane

Concen: 19.33 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

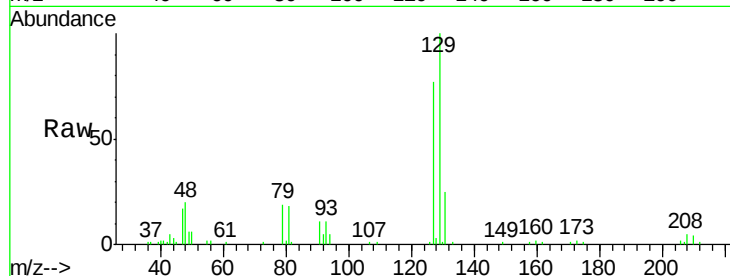
VSTDICCC020

Tgt Ion:129 Resp: 49216

Ion Ratio Lower Upper

129 100

127 77.3 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

25000

20000

15000

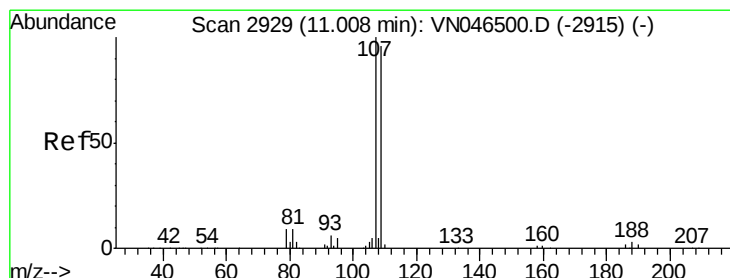
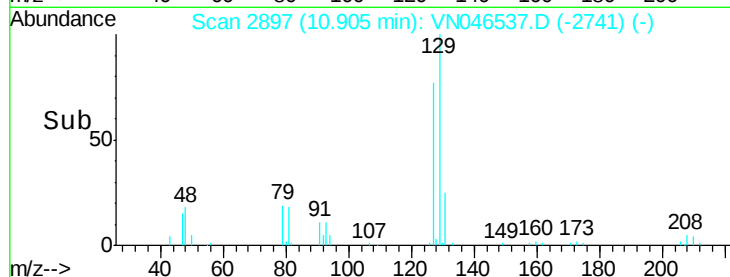
10000

5000

0

Time-->

10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 18.34 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN046537.D

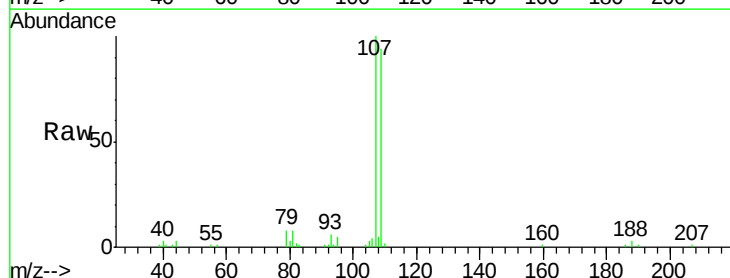
Acq: 24 Jan 2018 10:46

Tgt Ion:107 Resp: 43710

Ion Ratio Lower Upper

107 100

109 93.4 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

25000

20000

15000

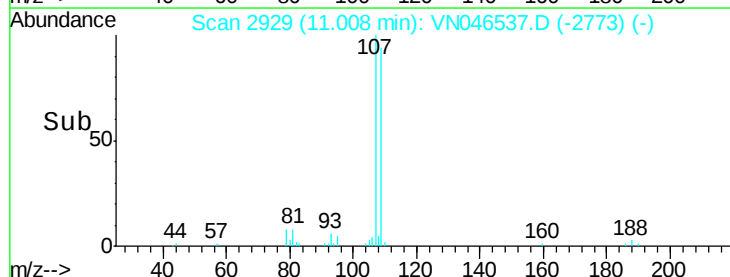
10000

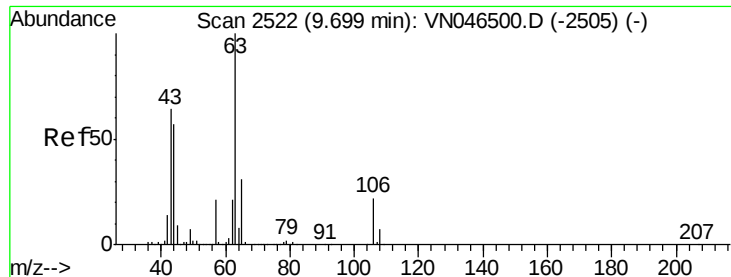
5000

0

Time-->

10.95 11.00 11.05 11.10

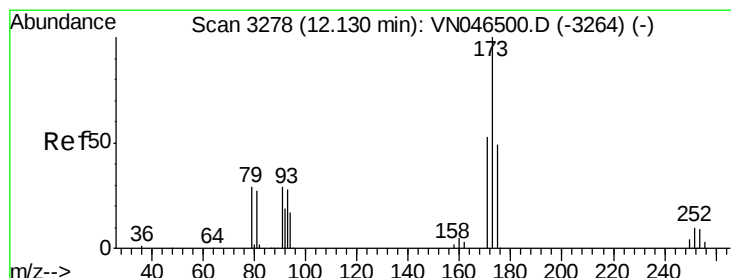
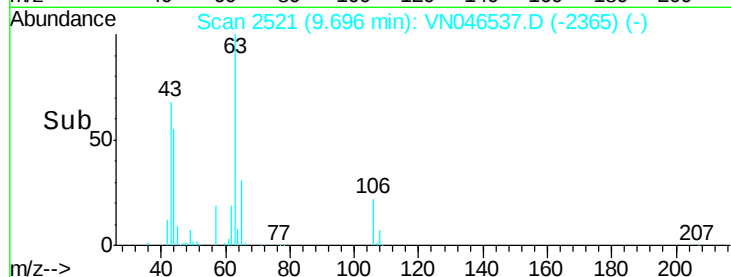
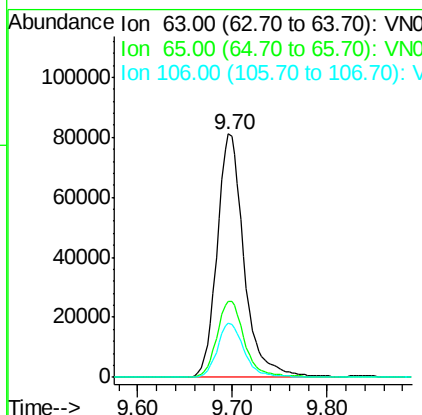
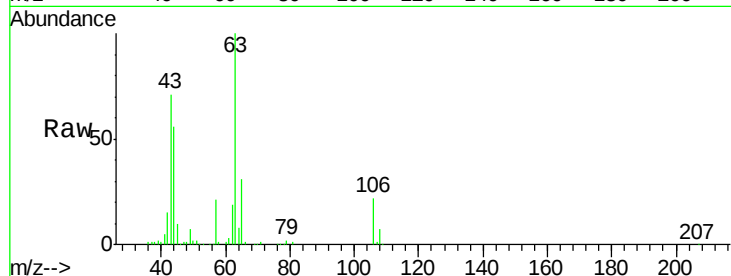




#55
 2-Chloroethyl vinyl ether
 Concen: 91.38 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

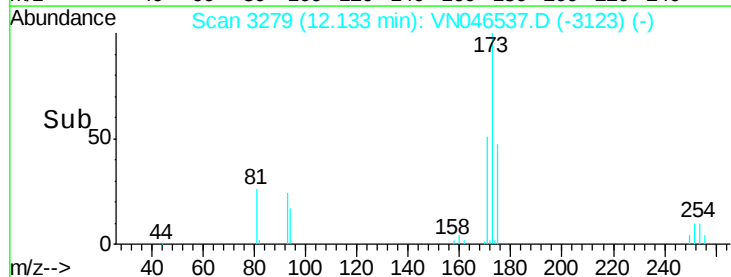
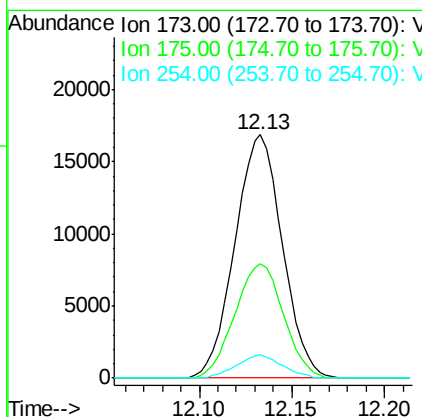
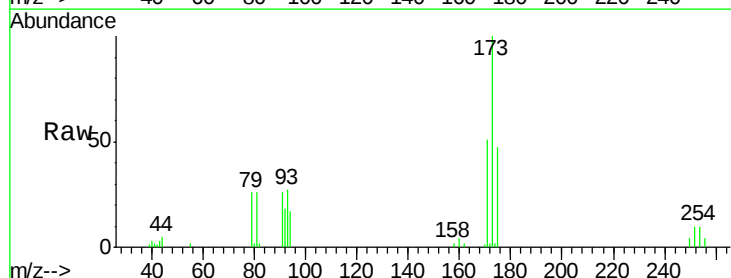
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

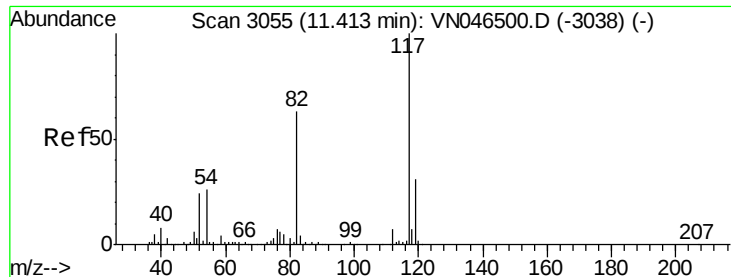
Tgt Ion: 63 Resp: 160593
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.7 38.5
 106 22.1 17.7 26.5



#56
 Bromoform
 Concen: 20.31 ug/l
 RT: 12.13 min Scan# 3279
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion: 173 Resp: 29931
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.5 57.7
 254 9.1 7.3 10.9

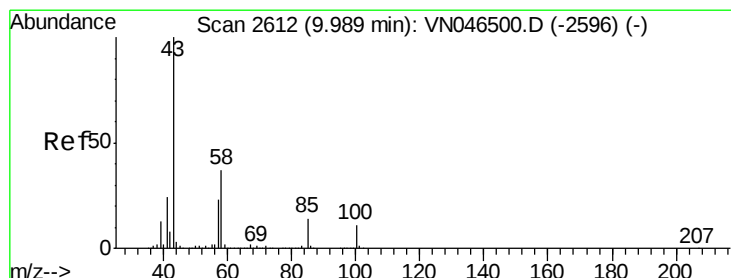
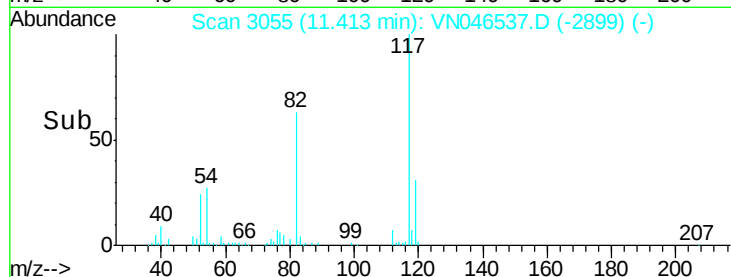
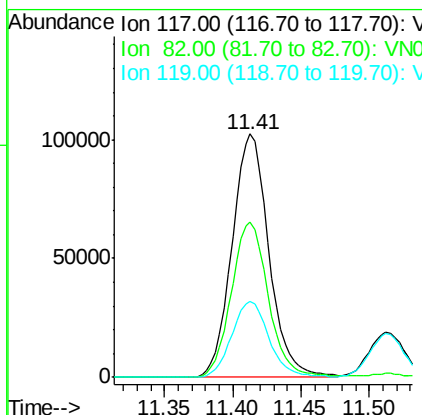
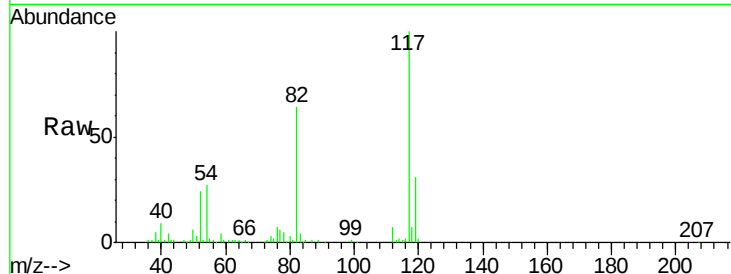




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

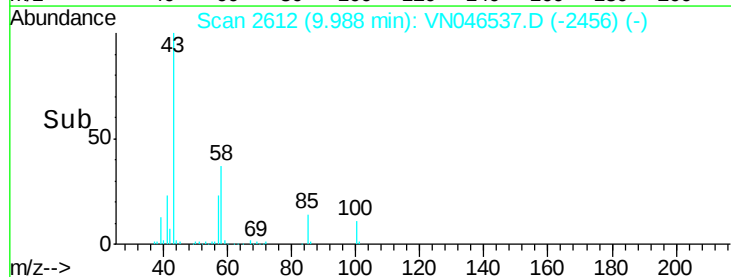
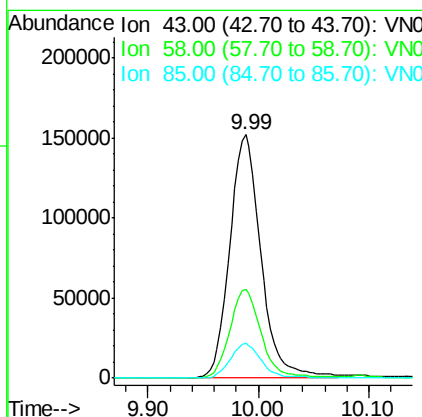
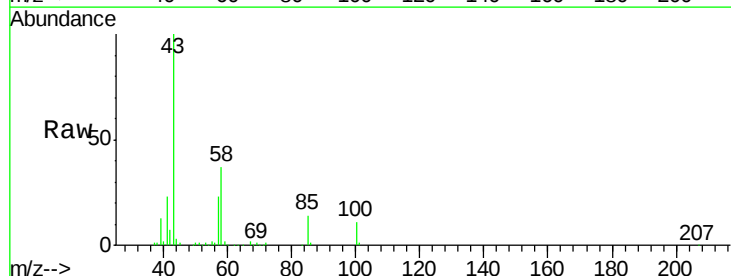
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

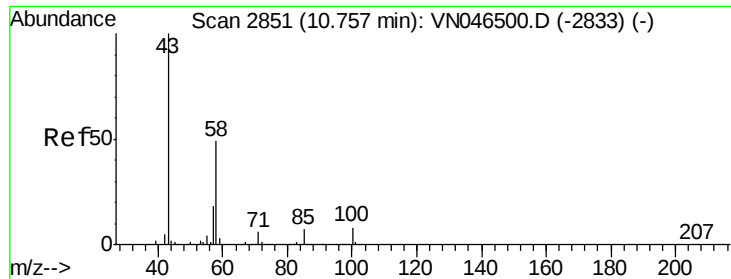
Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.4	51.5	77.3
119	31.8	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 110.96 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.8	29.4	44.2
85	14.4	11.5	17.3

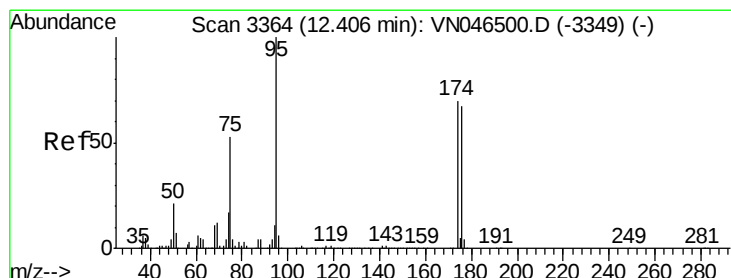
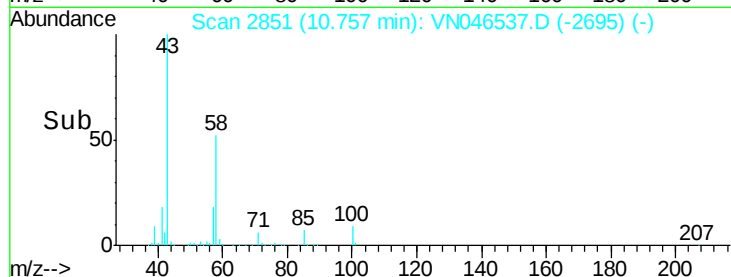
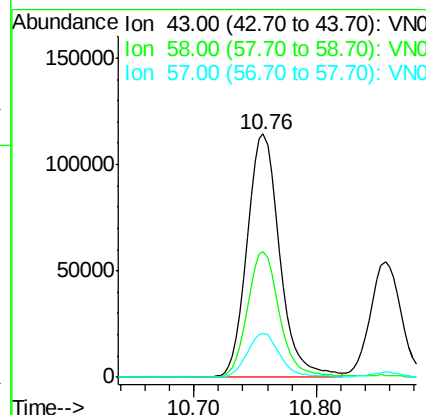
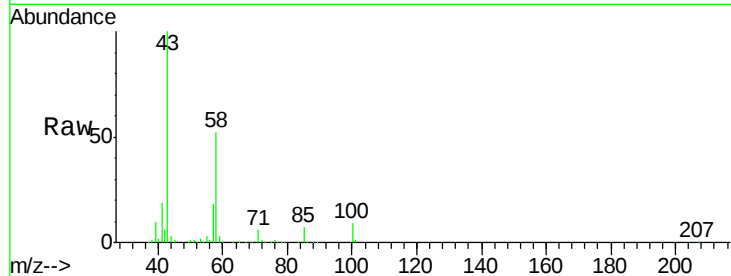




#59
2-Hexanone
Concen: 109.94 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

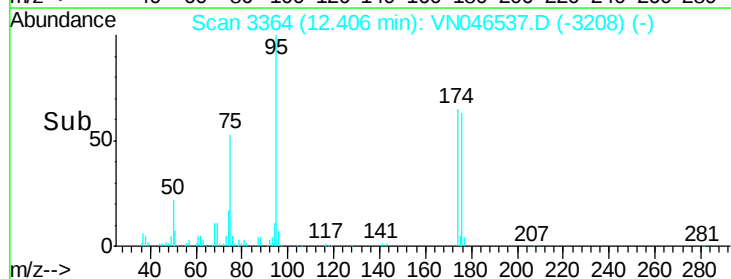
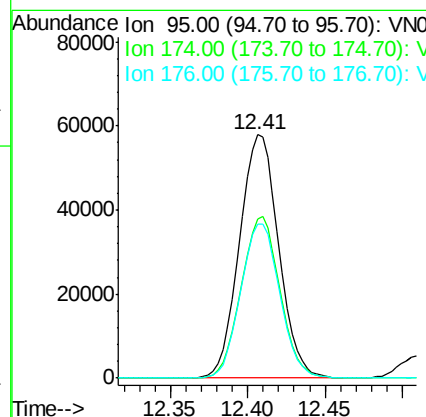
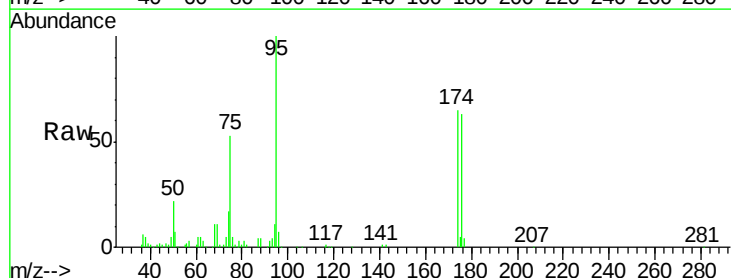
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

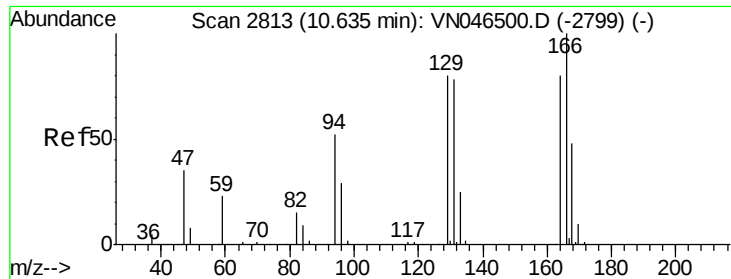
Tgt Ion: 43 Resp: 208427
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 31.22 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion: 95 Resp: 101934
Ion Ratio Lower Upper
95 100
174 65.6 52.5 78.7
176 63.2 50.6 75.8





#61

Tetrachloroethene

Concen: 20.86 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:164 Resp: 44850

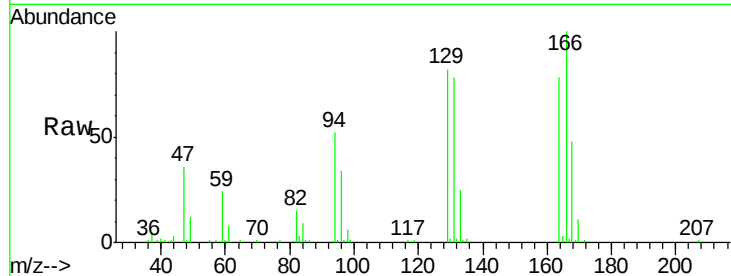
Ion Ratio Lower Upper

164 100

166 127.0 101.6 152.4

129 104.7 83.8 125.6

131 99.8 79.8 119.8

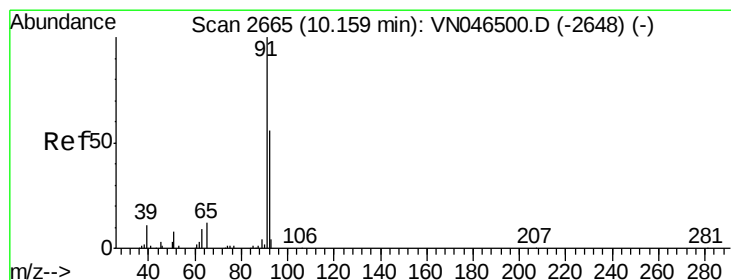
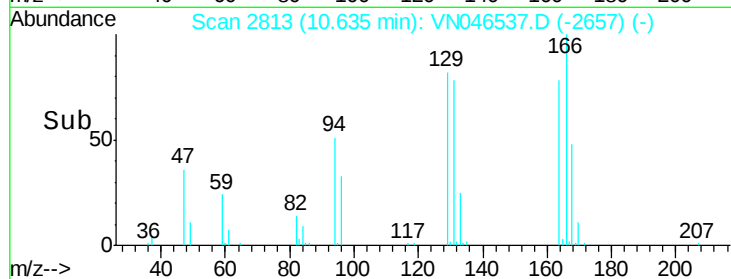
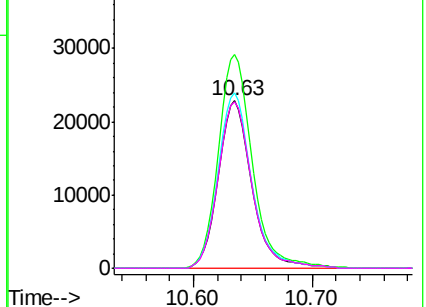


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.85 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN046537.D

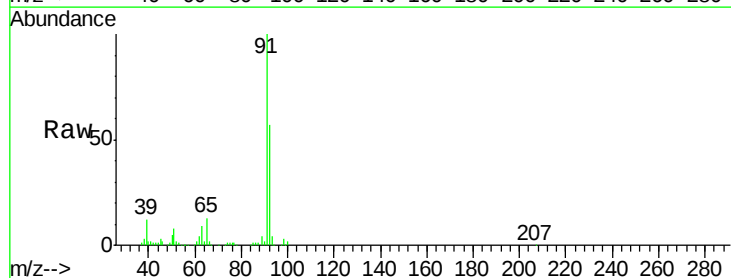
Acq: 24 Jan 2018 10:46

Tgt Ion: 91 Resp: 239452

Ion Ratio Lower Upper

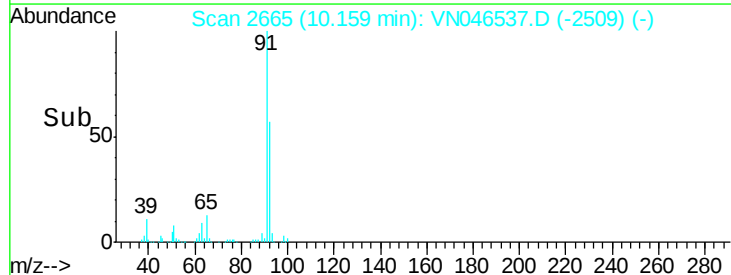
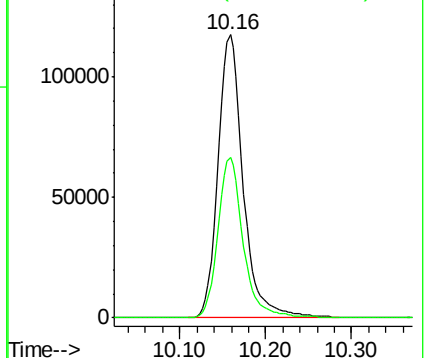
91 100

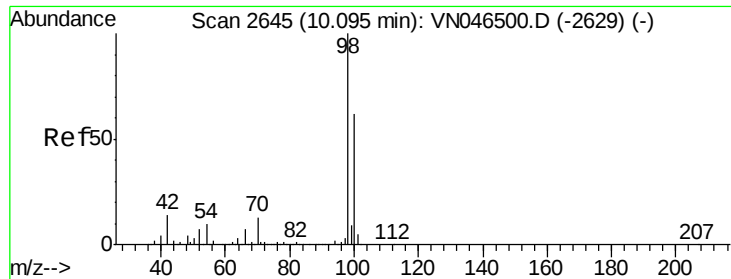
92 57.0 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.39 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

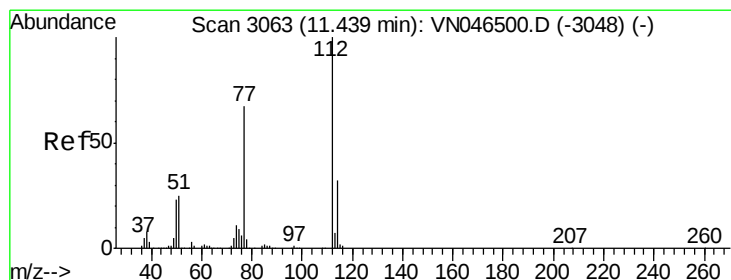
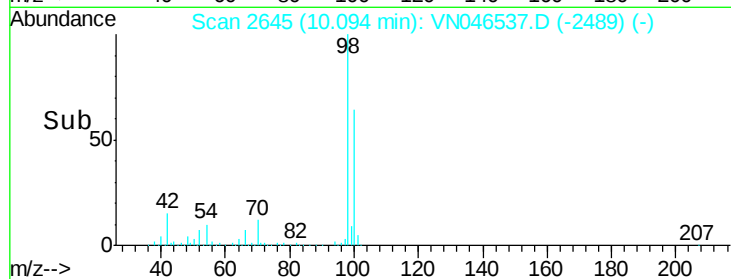
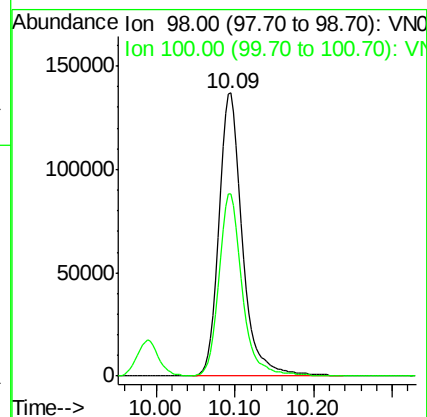
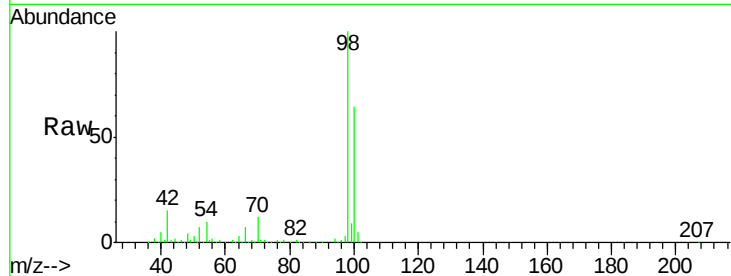
VSTDICCC020

Tgt Ion: 98 Resp: 281688

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



#64

Chlorobenzene

Concen: 20.18 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN046537.D

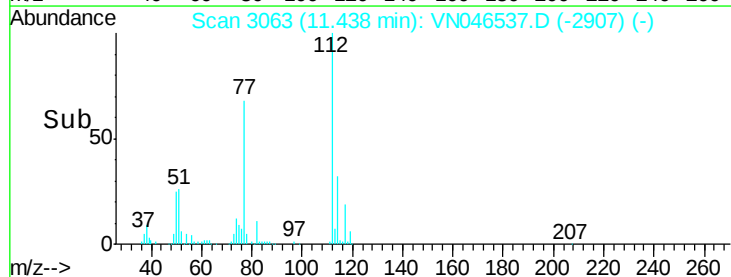
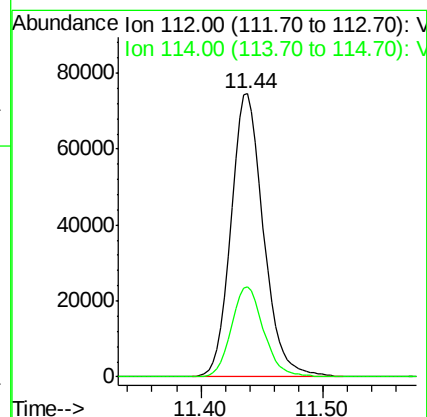
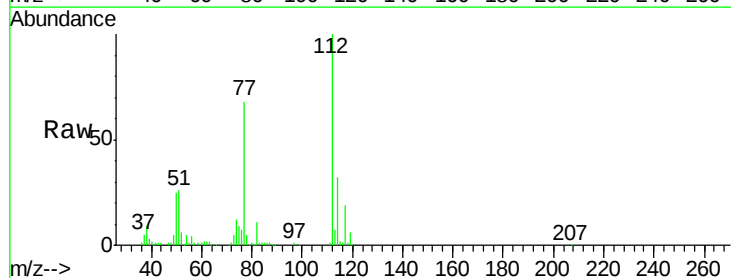
Acq: 24 Jan 2018 10:46

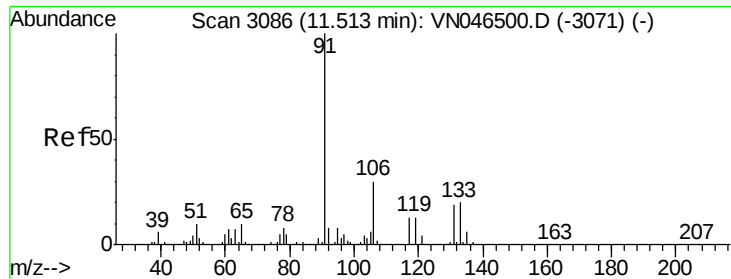
Tgt Ion: 112 Resp: 138739

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.15 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

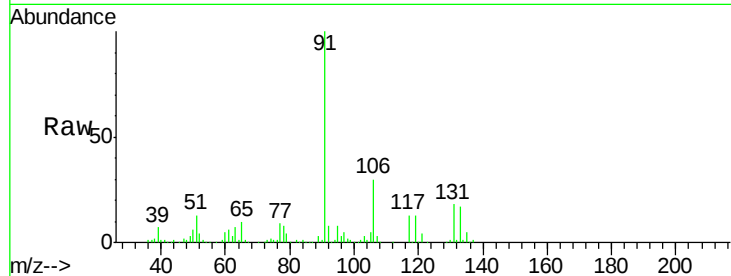
Tgt Ion:131 Resp: 46766

Ion Ratio Lower Upper

131 100

133 95.8 0.0 191.6

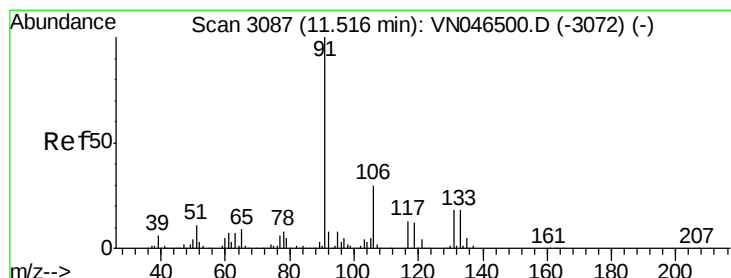
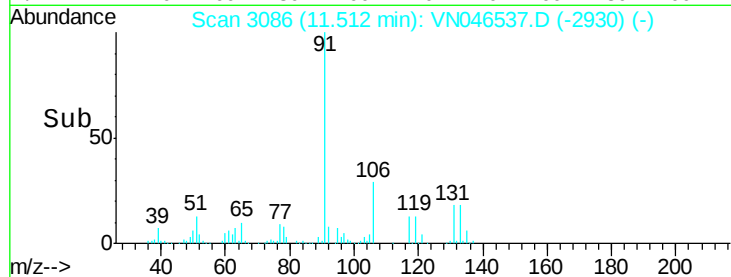
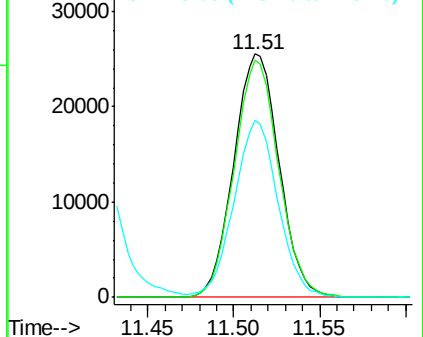
119 70.6 0.0 141.2



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: 21.92 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046537.D

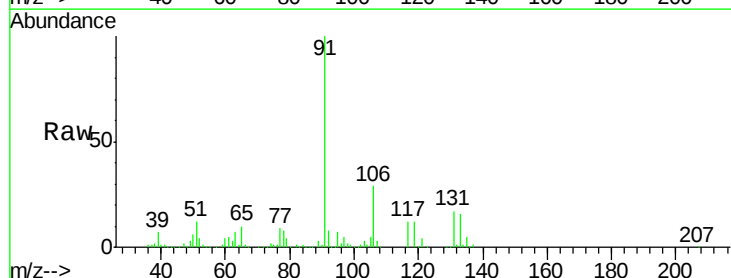
Acq: 24 Jan 2018 10:46

Tgt Ion: 91 Resp: 261543

Ion Ratio Lower Upper

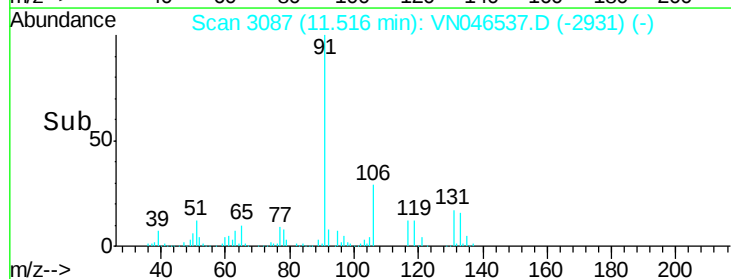
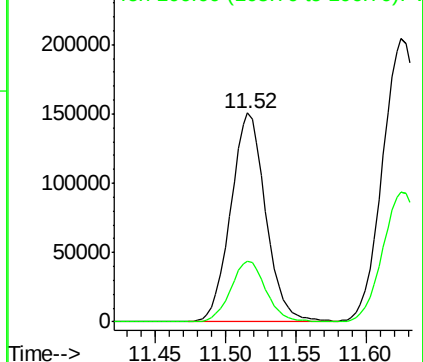
91 100

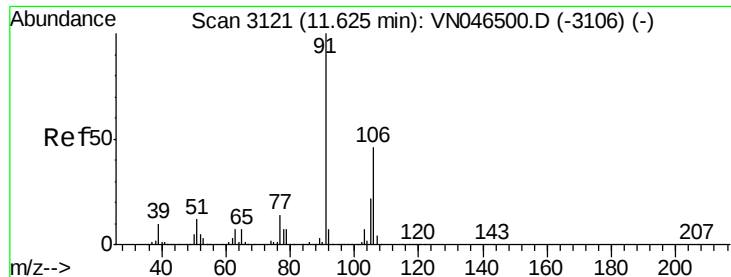
106 29.3 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 42.73 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

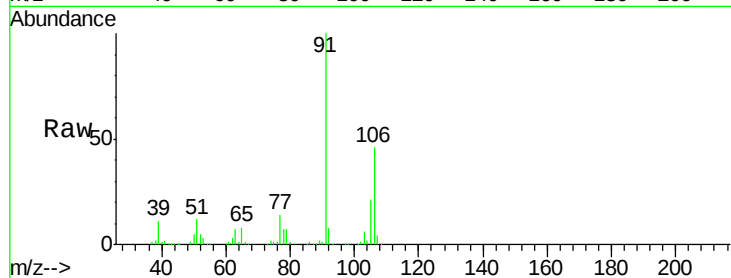
VSTDICCC020

Tgt Ion:106 Resp: 187529

Ion Ratio Lower Upper

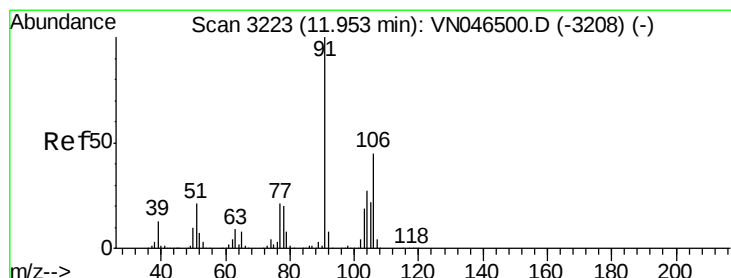
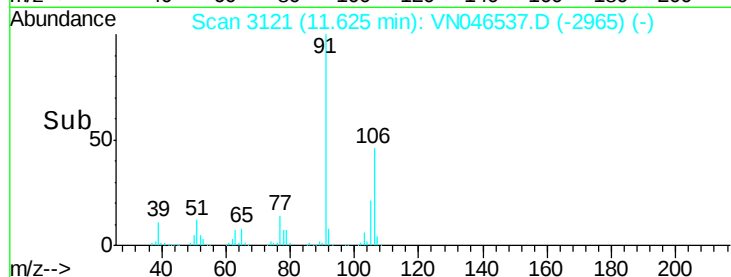
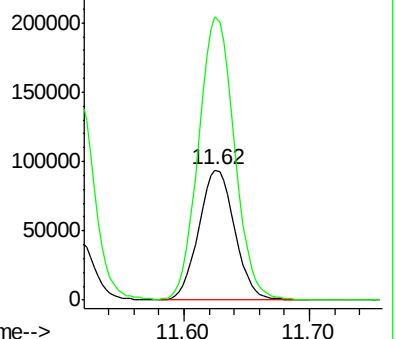
106 100

91 217.3 173.8 260.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 21.70 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN046537.D

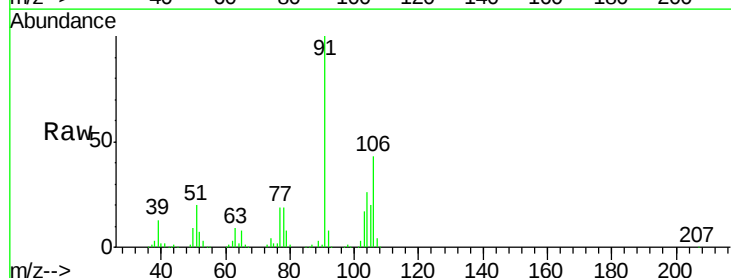
Acq: 24 Jan 2018 10:46

Tgt Ion:106 Resp: 91044

Ion Ratio Lower Upper

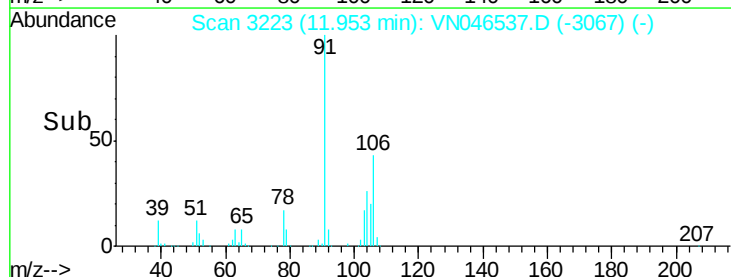
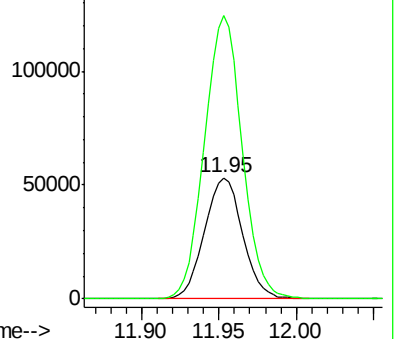
106 100

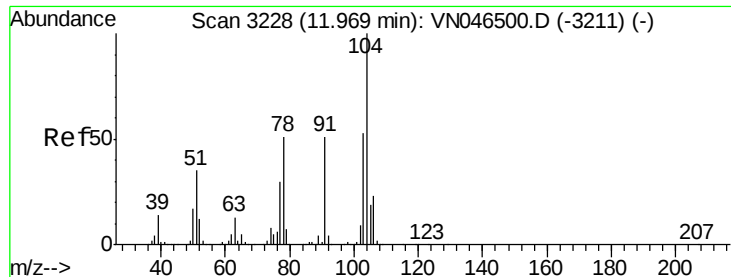
91 231.3 115.7 346.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

Styrene

Concen: 21.99 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

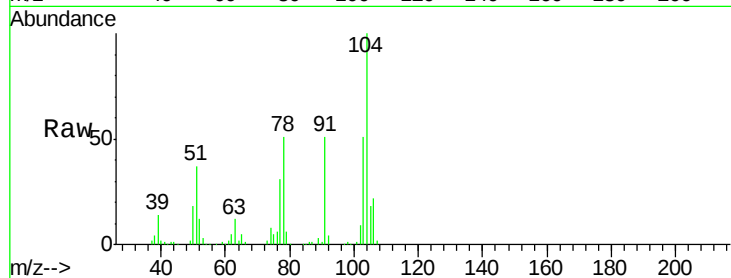
Tgt Ion:104 Resp: 147761

Ion Ratio Lower Upper

104 100

78 56.9 45.5 68.3

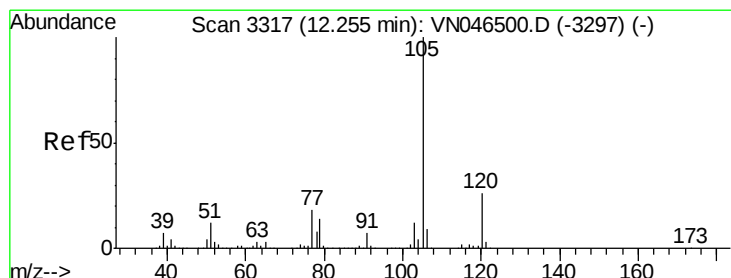
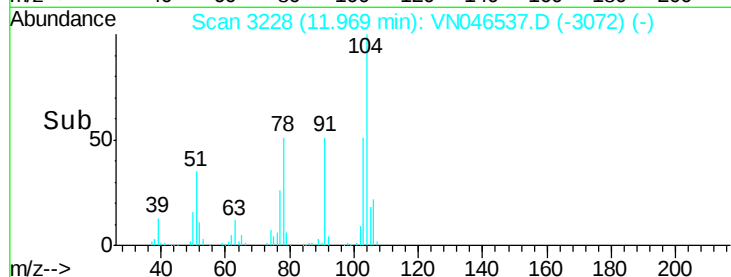
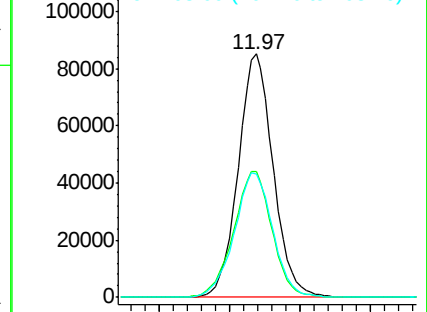
103 56.2 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 22.23 ug/l

RT: 12.26 min Scan# 3317

Delta R.T. 0.00 min

Lab File: VN046537.D

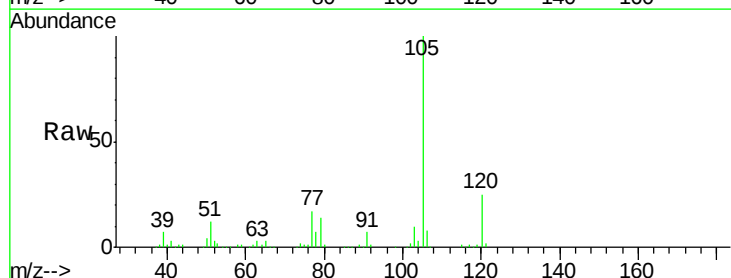
Acq: 24 Jan 2018 10:46

Tgt Ion:105 Resp: 245998

Ion Ratio Lower Upper

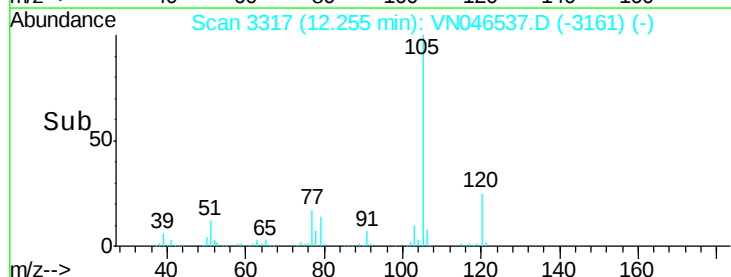
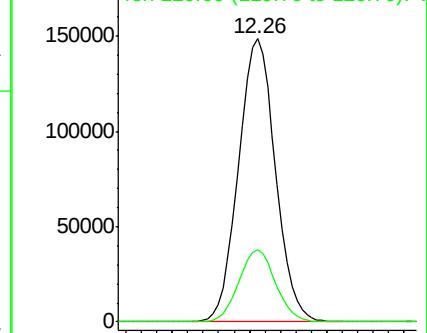
105 100

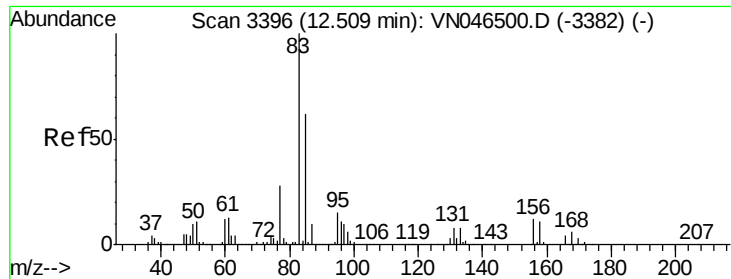
120 25.5 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 19.23 ug/l

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

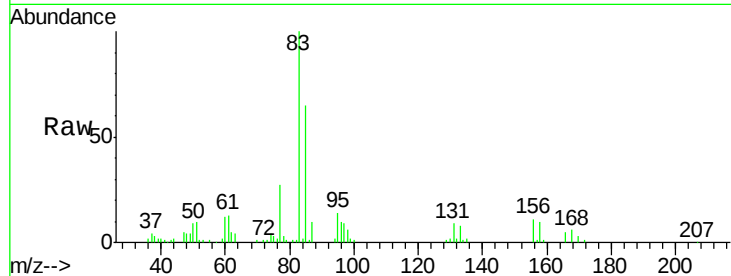
Tgt Ion: 83 Resp: 61849

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

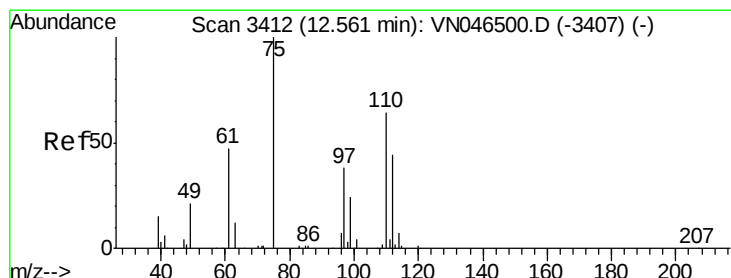
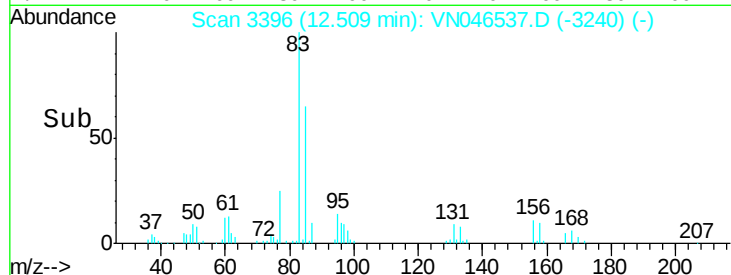
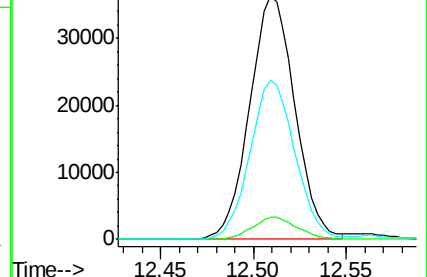
85 64.8 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VN046537.D (-3240) (-)

Ion 131.00 (130.70 to 131.70): VN046537.D (-3240) (-)

Ion 85.00 (84.70 to 85.70): VN046537.D (-3240) (-)



#72

1,2,3-Trichloropropane

Concen: 30.72 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN046537.D

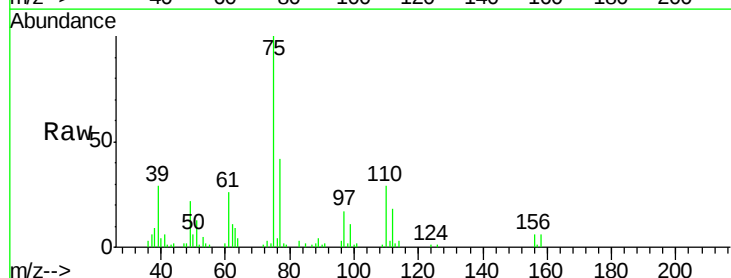
Acq: 24 Jan 2018 10:46

Tgt Ion: 75 Resp: 80901

Ion Ratio Lower Upper

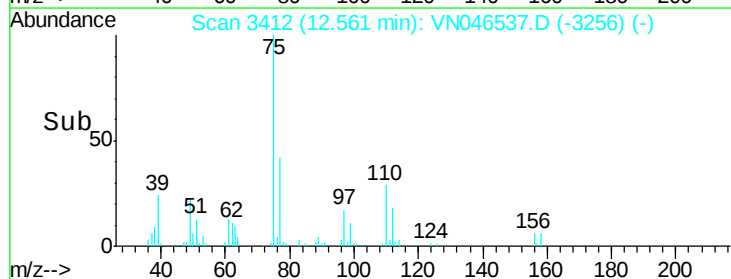
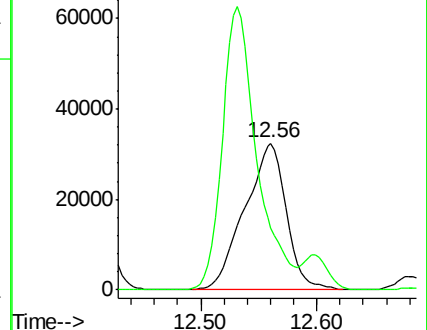
75 100

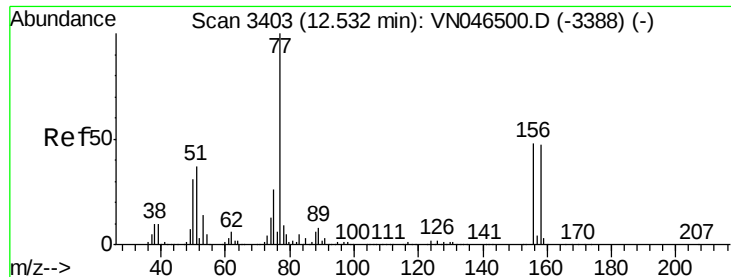
77 159.6 0.0 479.2



Abundance Ion 75.00 (74.70 to 75.70): VN046537.D (-3256) (-)

Ion 77.00 (76.70 to 77.70): VN046537.D (-3256) (-)





#73

Bromobenzene

Concen: 19.34 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

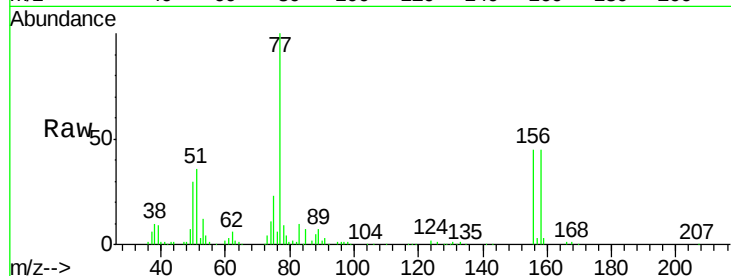
Tgt Ion:156 Resp: 49971

Ion Ratio Lower Upper

156 100

77 258.4 0.0 516.8

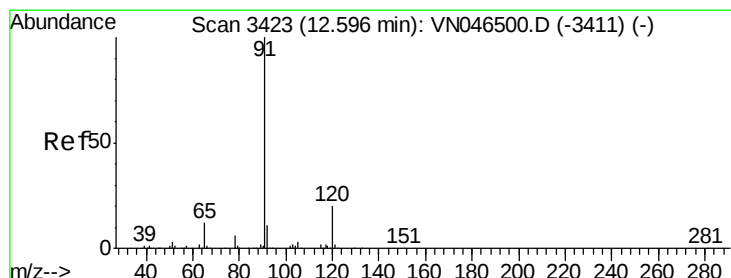
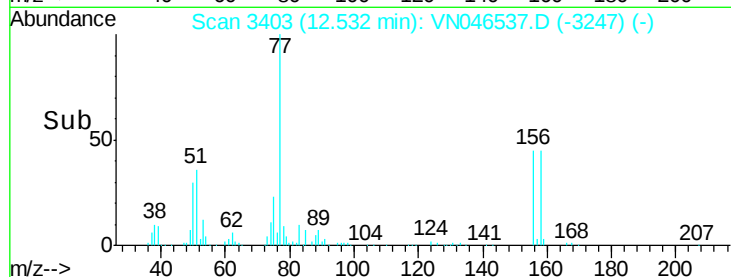
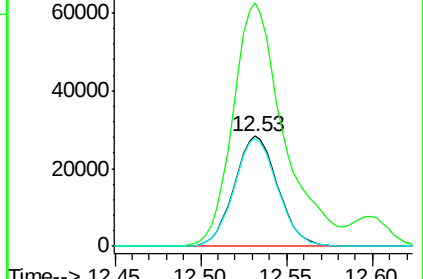
158 97.5 0.0 195.0



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: 21.57 ug/l

RT: 12.60 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN046537.D

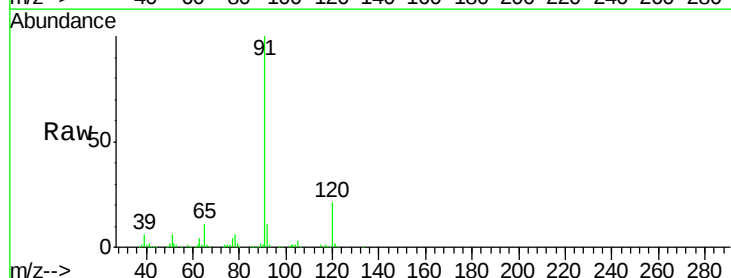
Acq: 24 Jan 2018 10:46

Tgt Ion: 91 Resp: 306362

Ion Ratio Lower Upper

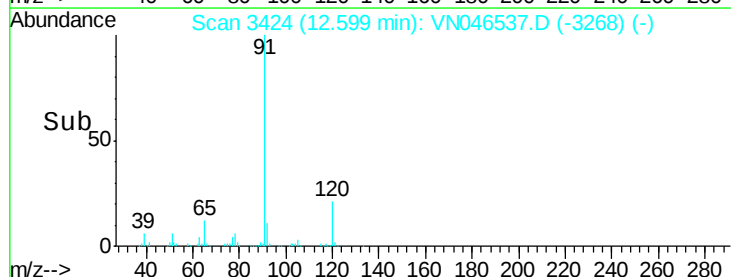
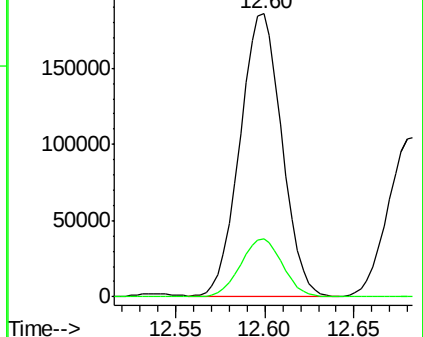
91 100

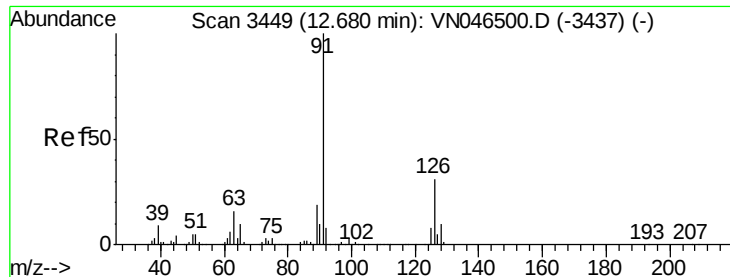
120 20.4 0.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.06 ug/l

RT: 12.68 min Scan# 3450

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

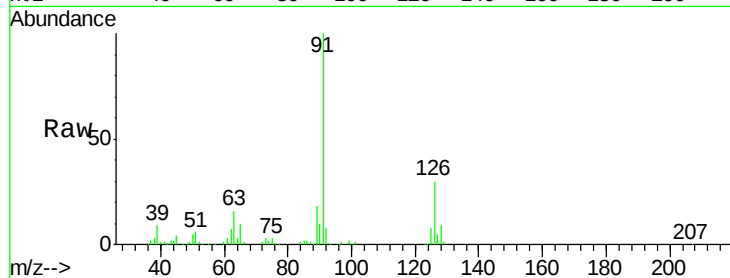
VSTDICCC020

Tgt Ion: 91 Resp: 177884

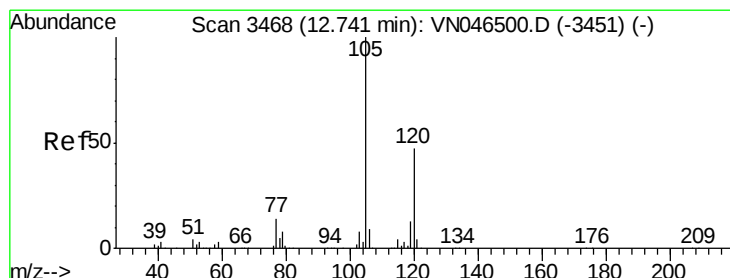
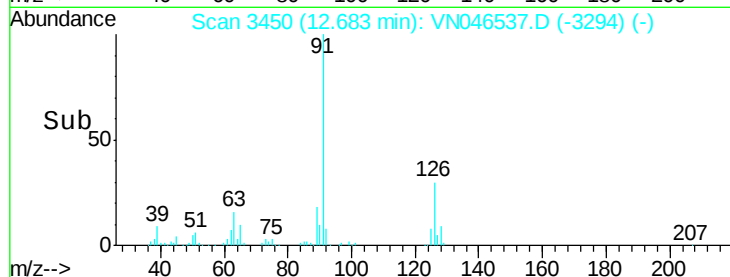
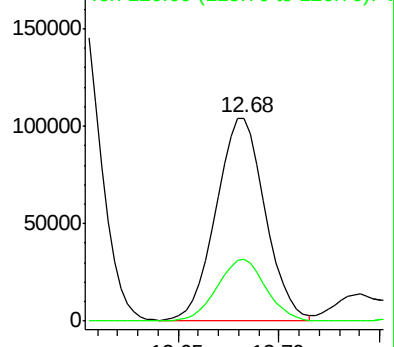
Ion Ratio Lower Upper

91 100

126 30.1 0.0 60.2



Abundance Ion 91.00 (90.70 to 91.70): VN046500.D (-3437) (-)



#76

1,3,5-Trimethylbenzene

Concen: 22.00 ug/l

RT: 12.74 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VN046537.D

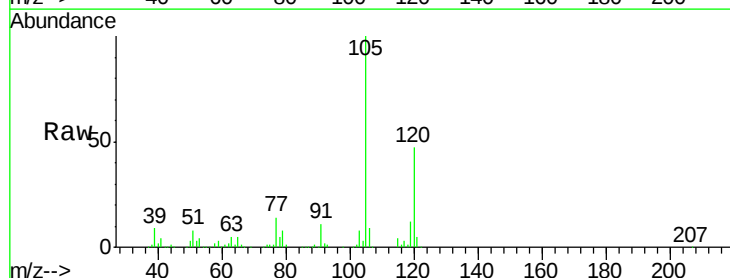
Acq: 24 Jan 2018 10:46

Tgt Ion: 105 Resp: 205593

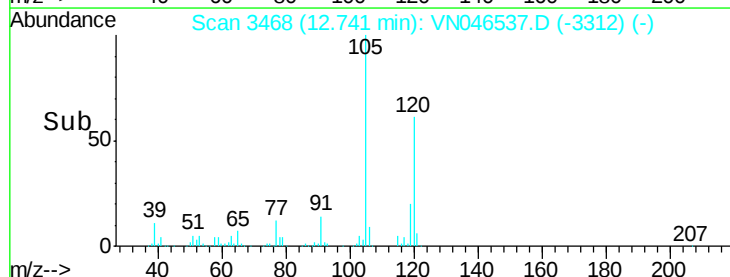
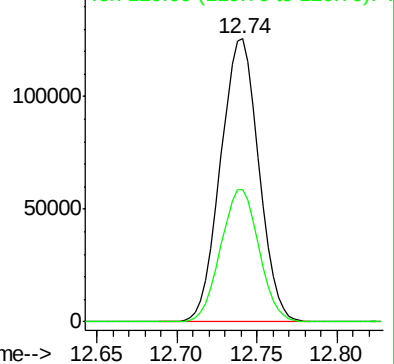
Ion Ratio Lower Upper

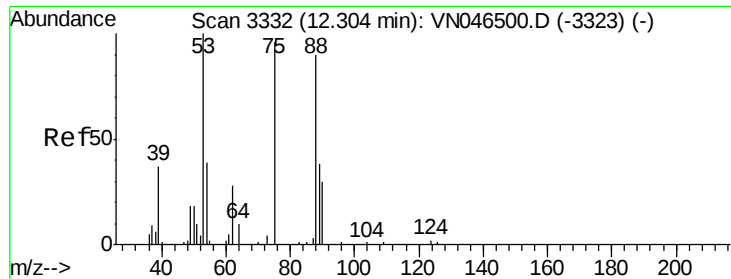
105 100

120 46.7 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): VN046500.D (-3451) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 20.68 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

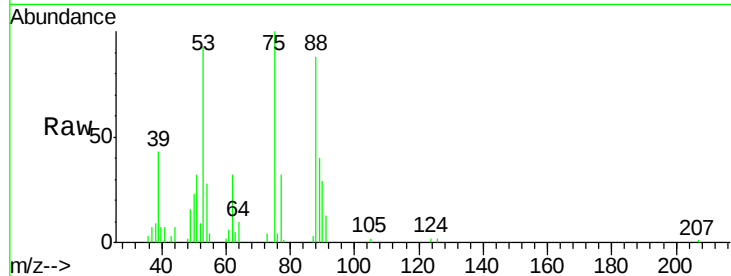
Tgt Ion: 75 Resp: 18664

Ion Ratio Lower Upper

75 100

53 93.5 46.8 140.3

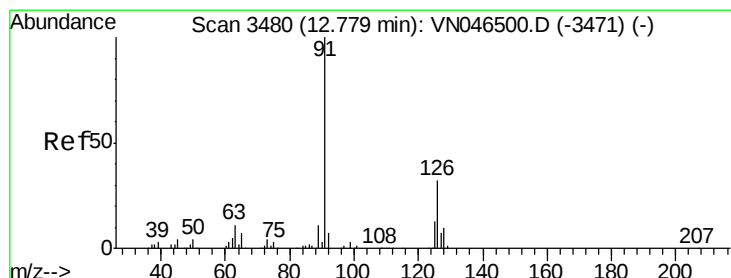
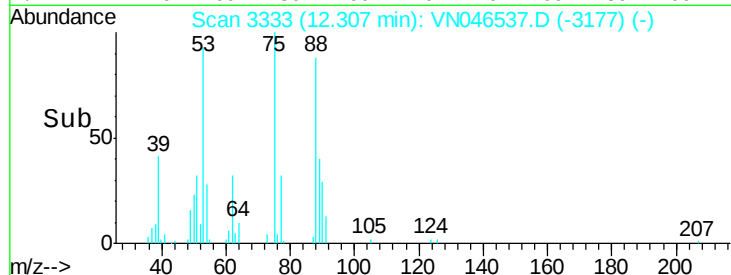
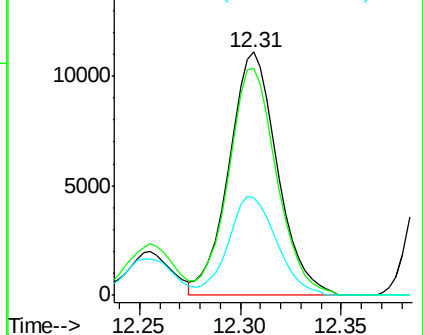
89 40.3 20.2 60.5



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: 20.82 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.00 min

Lab File: VN046537.D

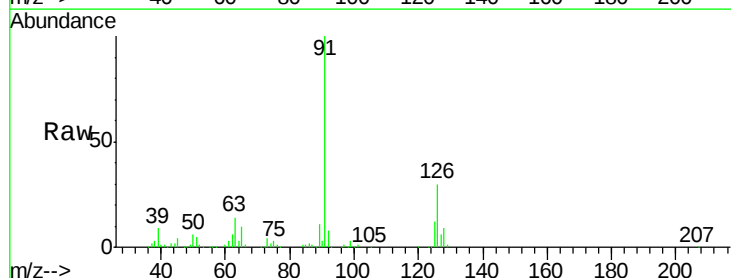
Acq: 24 Jan 2018 10:46

Tgt Ion: 91 Resp: 178990

Ion Ratio Lower Upper

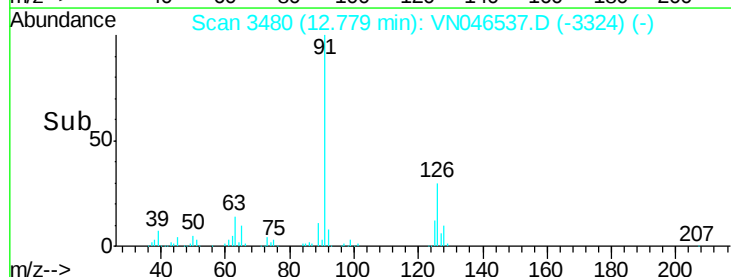
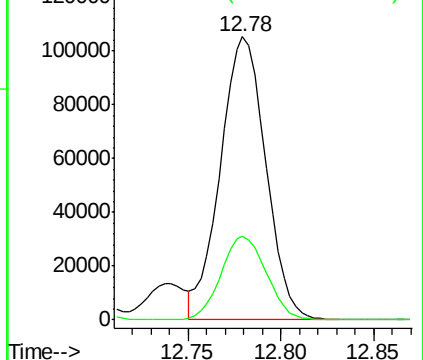
91 100

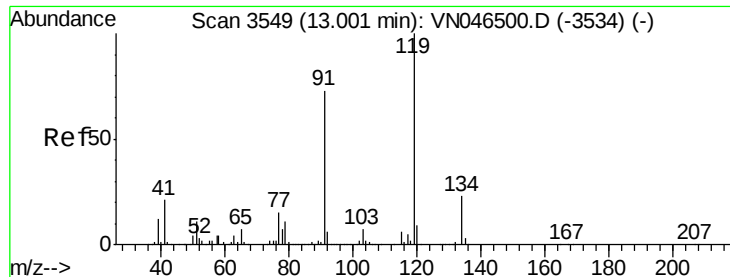
126 29.4 0.0 58.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

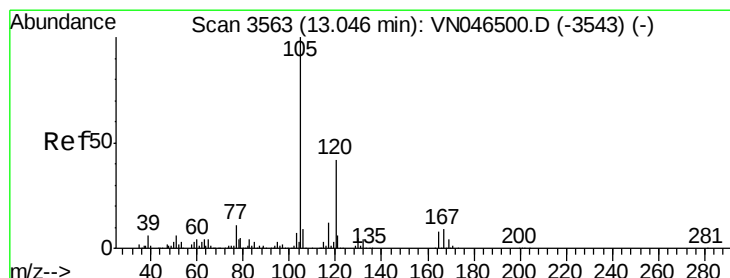
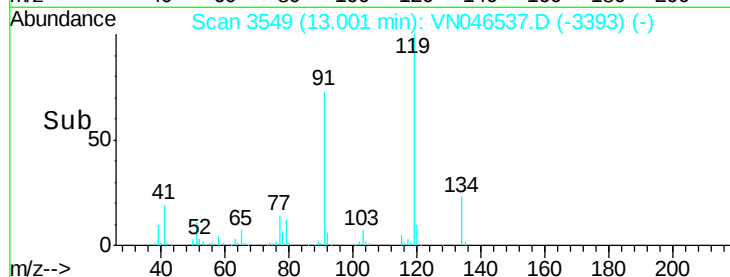
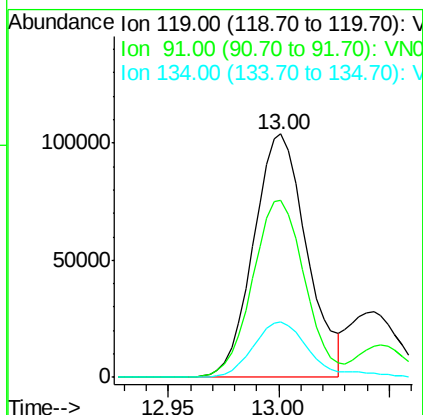
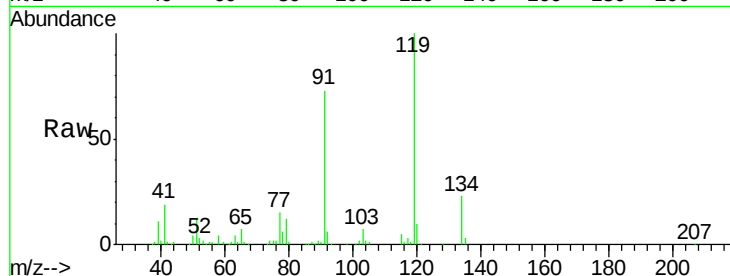




#79
tert-butylbenzene
Concen: 22.49 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

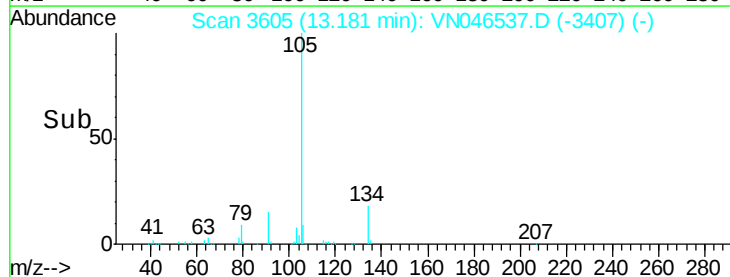
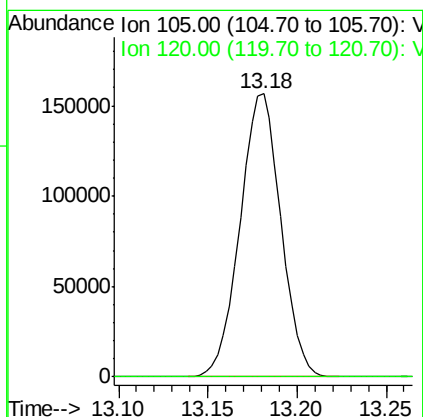
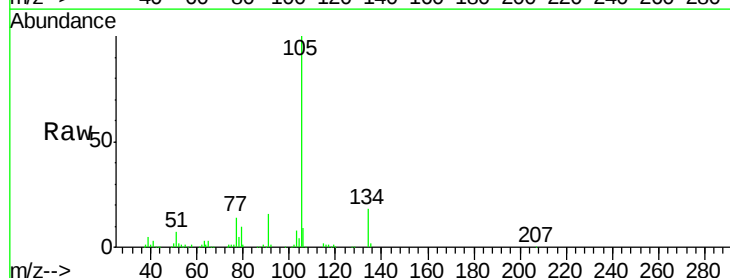
Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

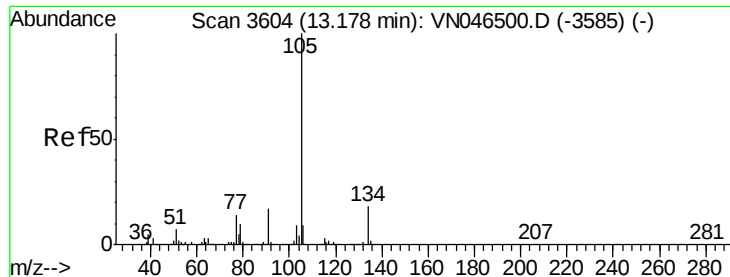
Tgt Ion:119 Resp: 173913
Ion Ratio Lower Upper
119 100
91 71.7 0.0 143.4
134 24.2 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 26.27 ug/l
RT: 13.18 min Scan# 3605
Delta R.T. 0.14 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion:105 Resp: 250710
Ion Ratio Lower Upper
105 100
120 0.1 0.0 0.2

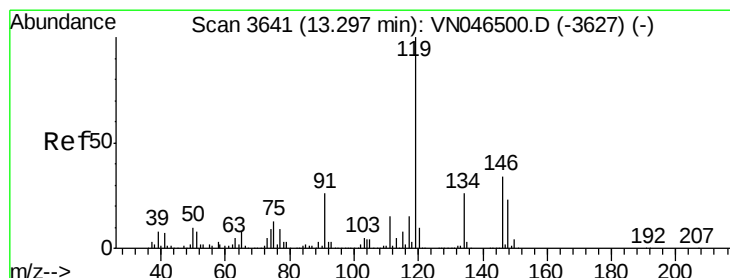
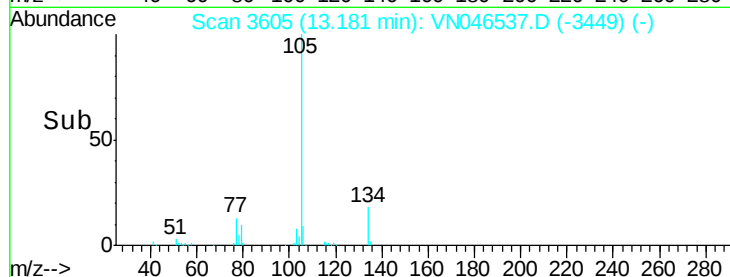
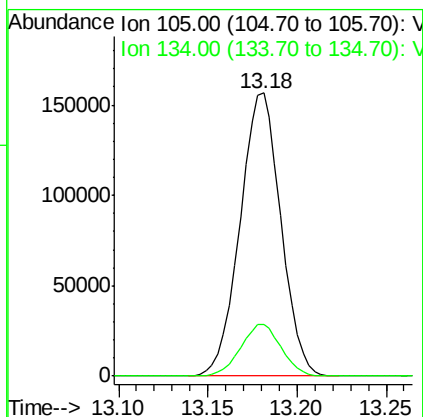
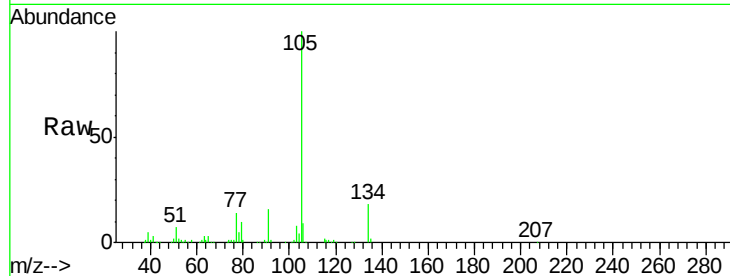




#81
 sec-Butylbenzene
 Concen: 21.91 ug/l
 RT: 13.18 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

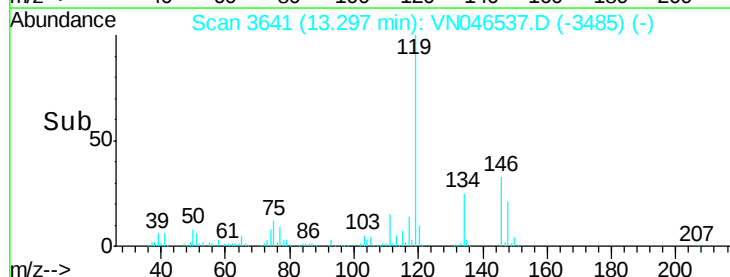
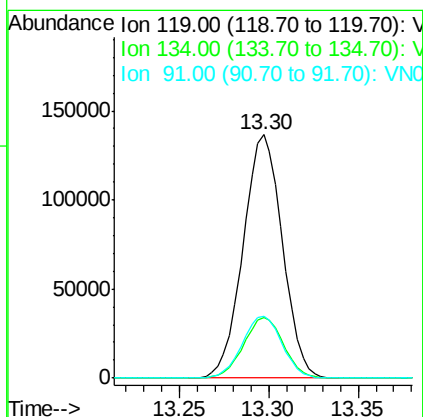
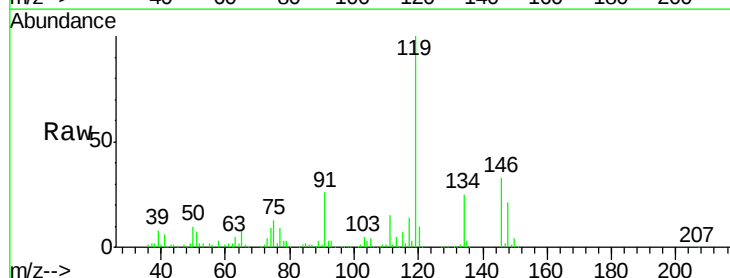
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

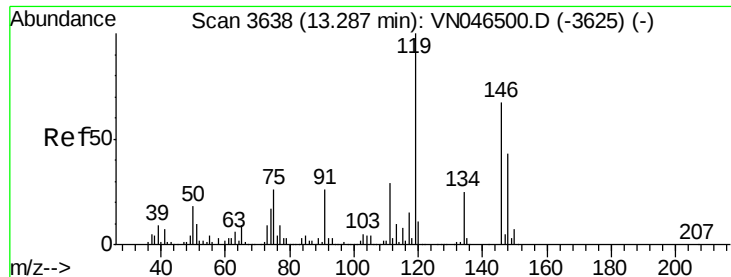
Tgt Ion:105 Resp: 250710
 Ion Ratio Lower Upper
 105 100
 134 18.3 0.0 36.6



#82
 p-Isopropyltoluene
 Concen: 22.49 ug/l
 RT: 13.30 min Scan# 3641
 Delta R.T. 0.00 min
 Lab File: VN046537.D
 Acq: 24 Jan 2018 10:46

Tgt Ion:119 Resp: 209864
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 50.4
 91 25.7 0.0 51.4





#83

1,3-Dichlorobenzene

Concen: 19.41 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

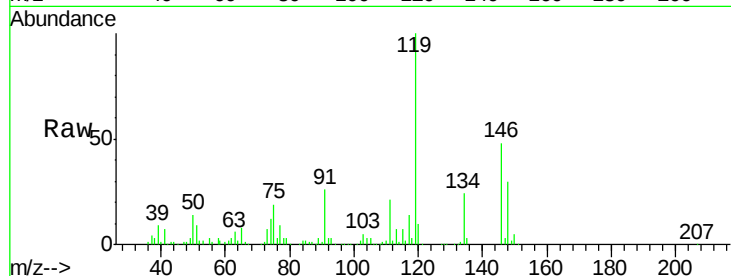
Tgt Ion:146 Resp: 93422

Ion Ratio Lower Upper

146 100

111 44.6 22.3 66.9

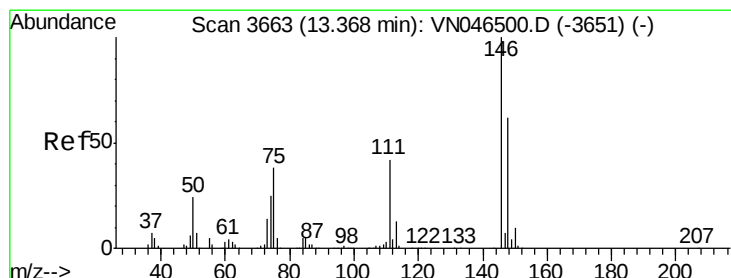
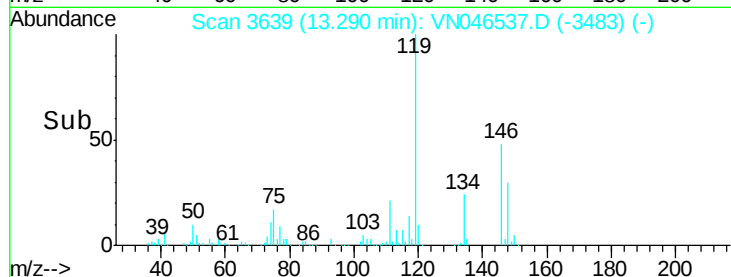
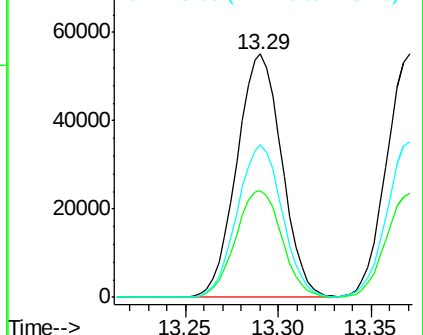
148 62.6 31.3 93.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.42 ug/l

RT: 13.37 min Scan# 3664

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

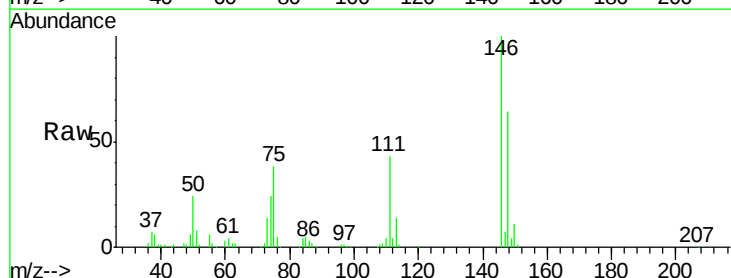
Tgt Ion:146 Resp: 91853

Ion Ratio Lower Upper

146 100

111 43.2 21.6 64.8

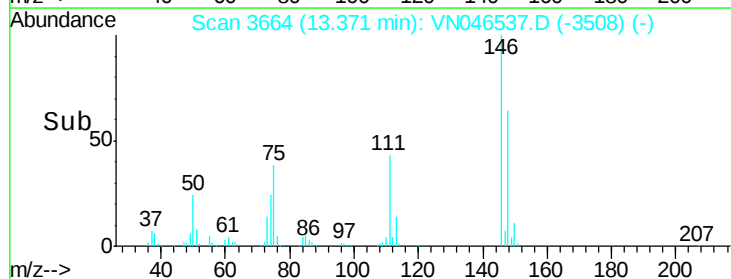
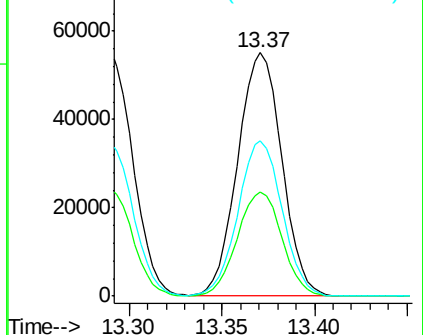
148 63.5 31.8 95.3

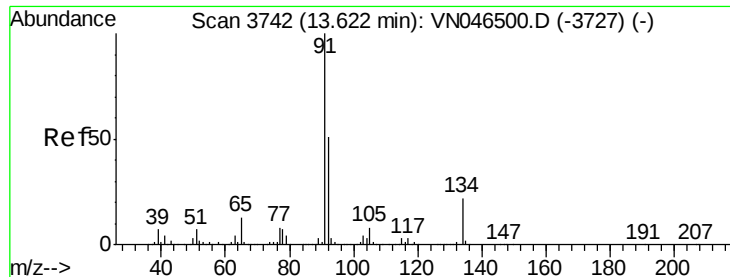


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 23.49 ug/l

RT: 13.62 min Scan# 3742

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

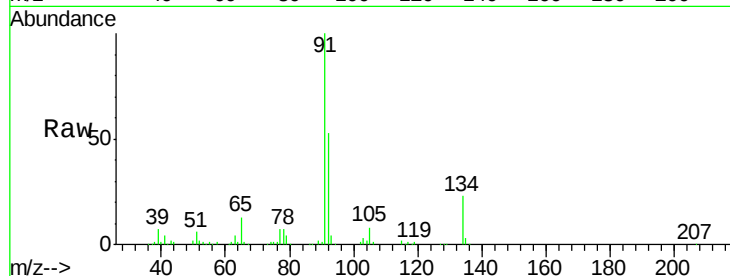
Tgt Ion: 91 Resp: 209135

Ion Ratio Lower Upper

91 100

92 52.8 0.0 105.6

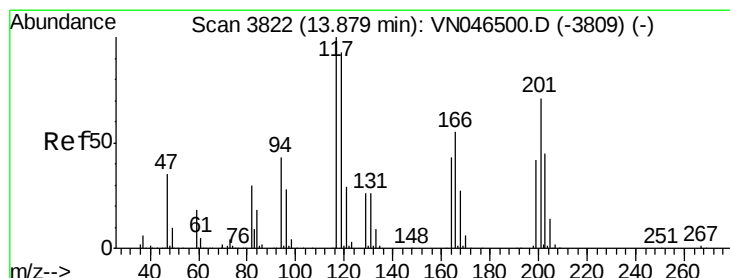
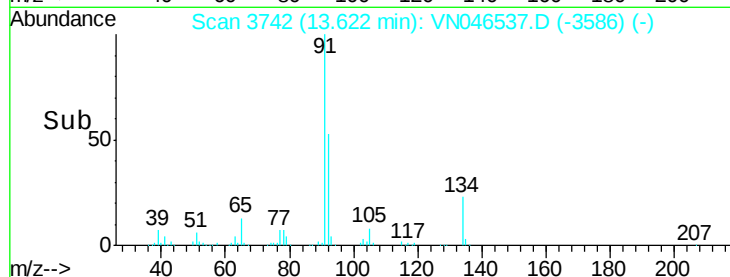
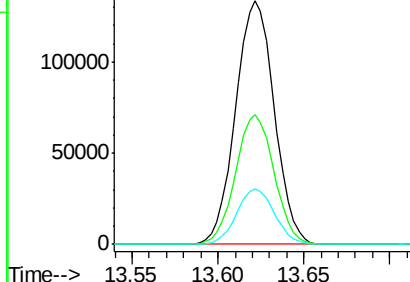
134 22.3 0.0 44.6



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) (-)



#86

Hexachloroethane

Concen: 21.75 ug/l

RT: 13.88 min Scan# 3823

Delta R.T. 0.00 min

Lab File: VN046537.D

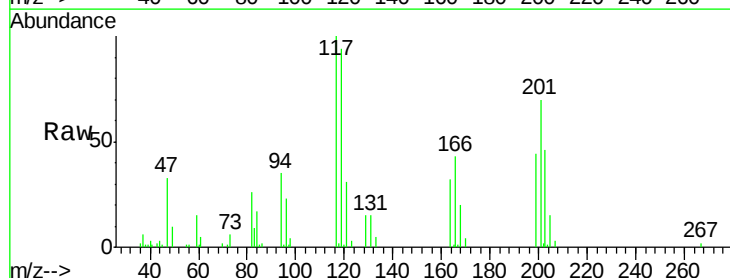
Acq: 24 Jan 2018 10:46

Tgt Ion: 117 Resp: 38835

Ion Ratio Lower Upper

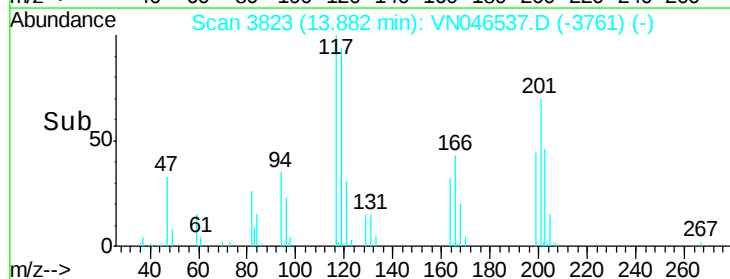
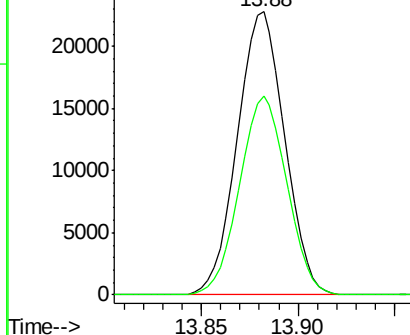
117 100

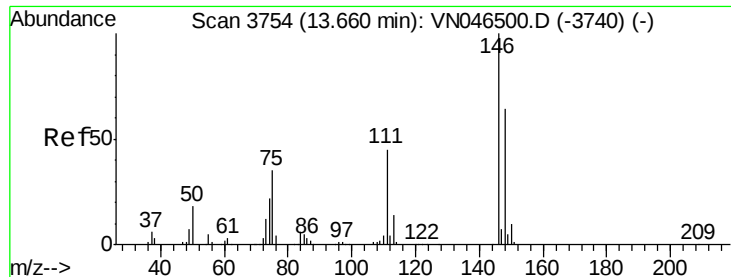
201 70.1 35.0 105.1



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

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





#87

1,2-Dichlorobenzene

Concen: 19.10 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

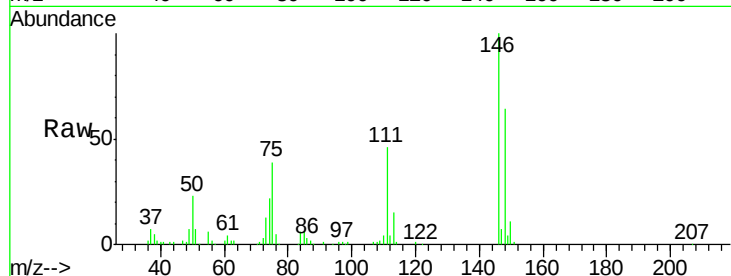
Tgt Ion:146 Resp: 90528

Ion Ratio Lower Upper

146 100

111 45.9 22.9 68.8

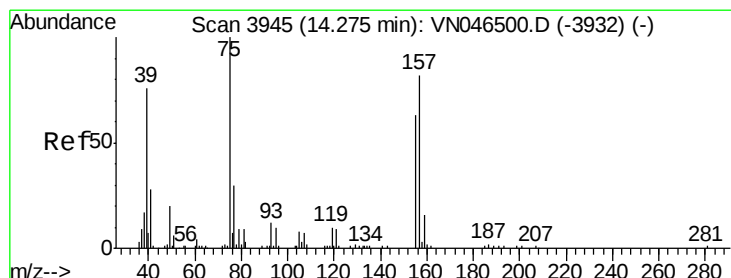
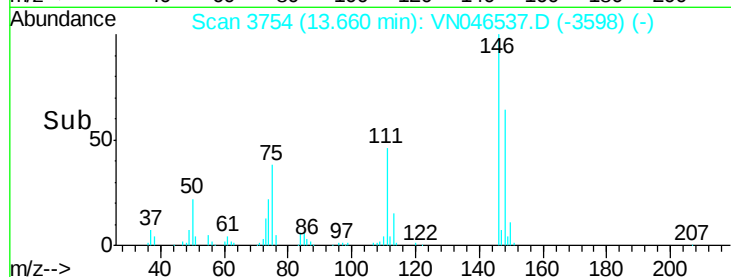
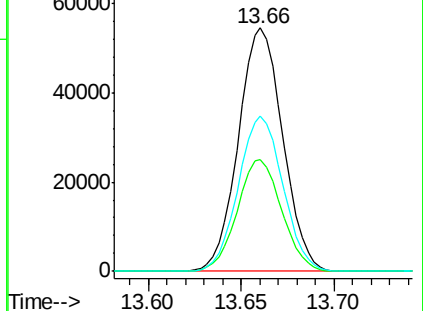
148 64.0 32.0 96.0



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: 21.79 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

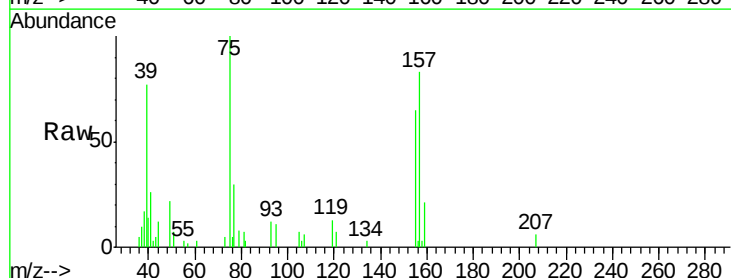
Tgt Ion: 75 Resp: 11267

Ion Ratio Lower Upper

75 100

155 65.8 52.6 79.0

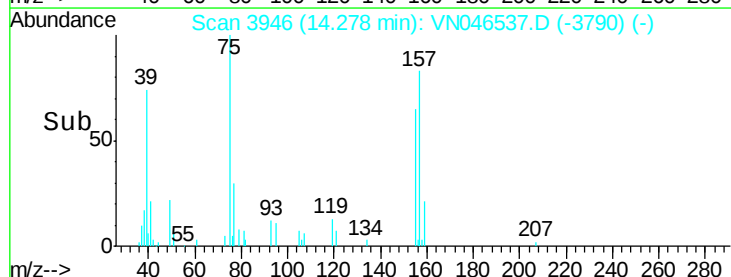
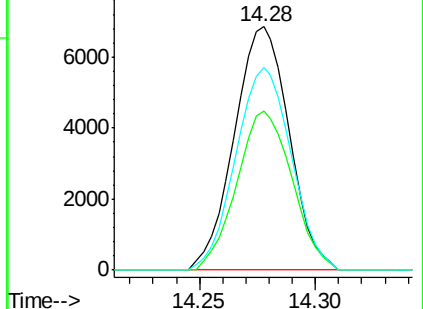
157 84.1 67.3 100.9

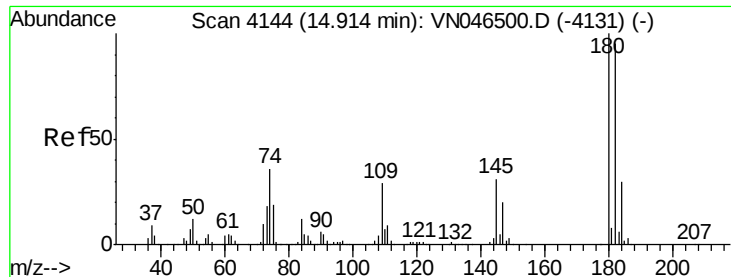


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 19.41 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

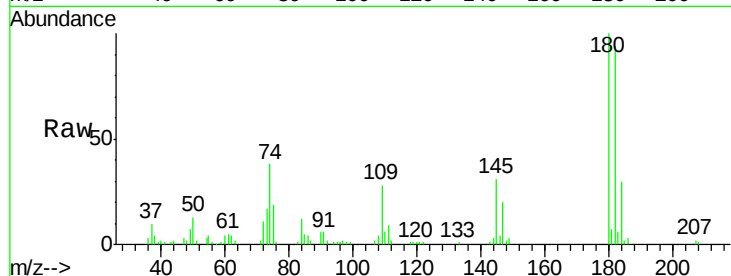
Tgt Ion:180 Resp: 51566

Ion Ratio Lower Upper

180 100

182 94.6 75.7 113.5

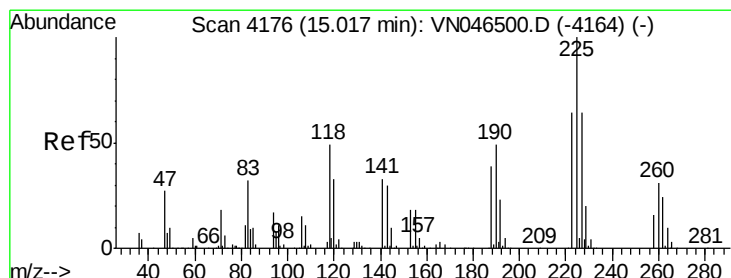
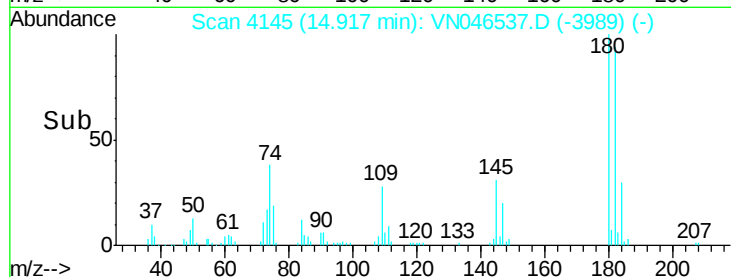
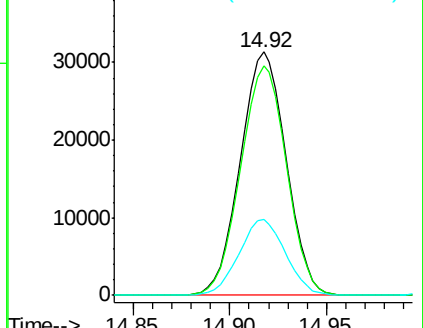
145 31.5 25.2 37.8



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: 20.11 ug/l

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN046537.D

Acq: 24 Jan 2018 10:46

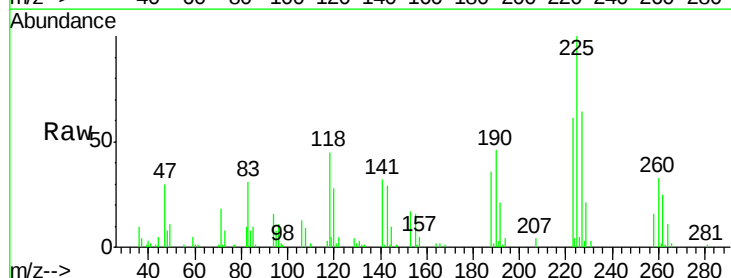
Tgt Ion:225 Resp: 29042

Ion Ratio Lower Upper

225 100

223 61.8 0.0 123.6

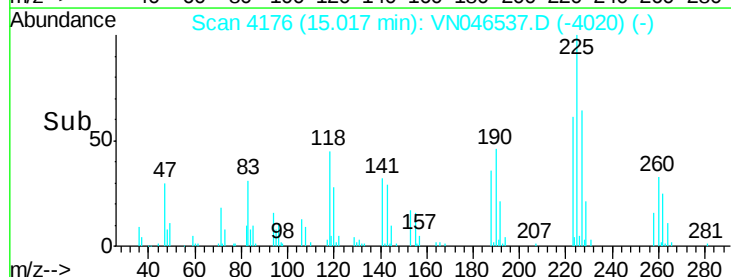
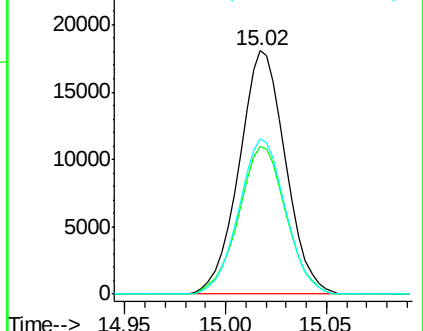
227 64.1 0.0 128.2

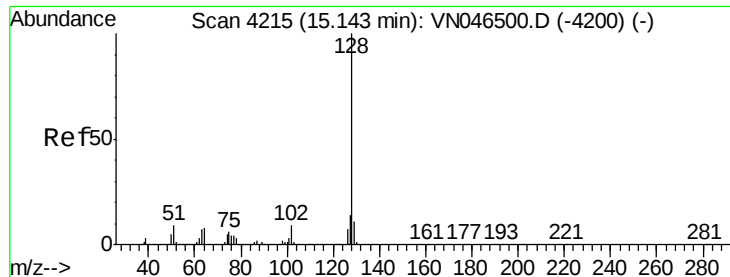


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

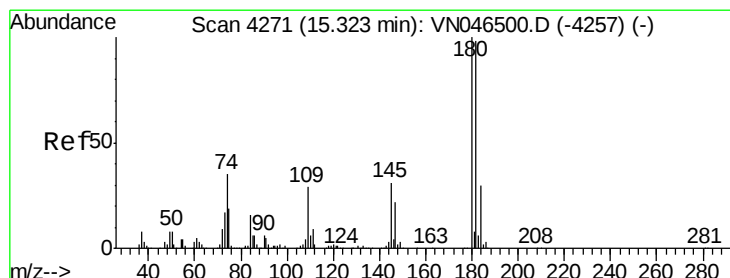
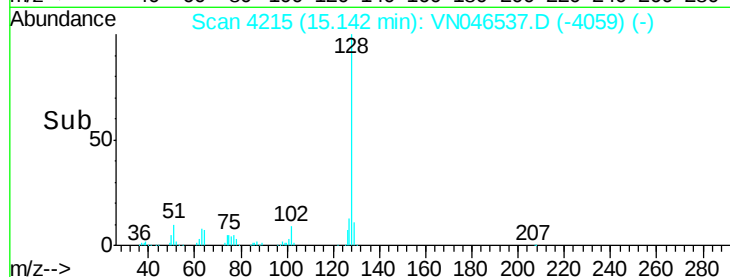
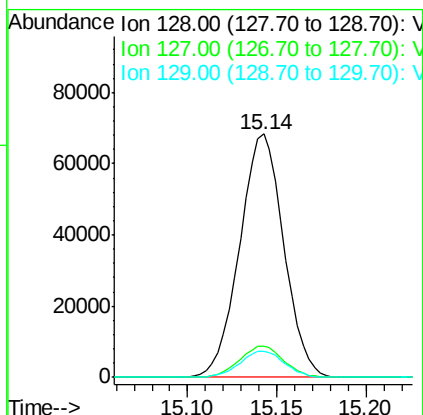
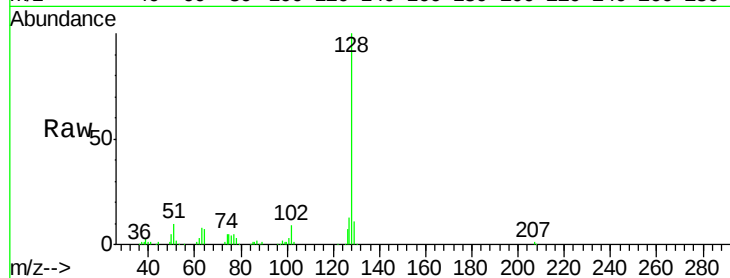




#91
Naphthalene
Concen: 19.02 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:128 Resp: 117660
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 19.18 ug/l
RT: 15.32 min Scan# 4271
Delta R.T. 0.00 min
Lab File: VN046537.D
Acq: 24 Jan 2018 10:46

Tgt Ion:180 Resp: 49622
Ion Ratio Lower Upper
180 100
182 95.4 0.0 190.8
145 34.2 0.0 68.4

