

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046536.D
 Acq On : 24 Jan 2018 10:17
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 24 11:16:27 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	35420	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	224069	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	194440	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	99135	30.34	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.13%
60) 4-Bromofluorobenzene	12.41	95	100938	30.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.83%
63) Toluene-d8	10.09	98	284212	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	11766	4.55 ug/l	96
3) Chloromethane	2.06	50	20957	4.08 ug/l	98
4) Vinyl Chloride	2.18	62	18571	5.11 ug/l	98
5) Bromomethane	2.57	94	11839	13.02 ug/l	94
6) Chloroethane	2.71	64	11084	9.51 ug/l	100
7) Trichlorofluoromethane	3.02	101	18547	5.23 ug/l	98
8) Diethyl Ether	3.41	74	9102	5.86 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	12423	5.04 ug/l	97
10) 1,1-Dichloroethene	3.73	96	13239	5.93 ug/l	94
11) Methyl Iodide	3.95	142	6896	3.38 ug/l	96
12) Methyl Acetate	4.33	43	12830	5.29 ug/l	99
13) Acrolein	3.61	56	9366	28.87 ug/l	96
14) Acrylonitrile	4.99	53	29113	28.14 ug/l	99
15) Acetone	3.82	58	8581	28.38 ug/l	86
16) Carbon Disulfide	4.05	76	42779	5.61 ug/l	99
17) Allyl chloride	4.32	41	27436	5.74 ug/l	96
18) Methylene Chloride	4.55	84	15601	5.10 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	12812	5.40 ug/l	99
20) Diisopropyl ether	5.96	45	54653	5.91 ug/l	97
21) 1,1-Dichloroethane	5.85	63	29053	5.31 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	15256	5.71 ug/l	98
23) tert-Butyl Alcohol	4.79	59	7256	36.73 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	39927	6.24 ug/l	97
25) Chloroform	7.37	83	25341	5.12 ug/l	99
26) Cyclohexane	7.65	56	28239	6.26 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	21155	5.15 ug/l	98
30) 2-Butanone	6.84	43	37357	26.44 ug/l	99
31) 2,2-Dichloropropane	6.82	77	23918	5.17 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	21158	4.76 ug/l	99
33) Carbon Tetrachloride	7.77	117	16328	4.36 ug/l	97
34) Benzene	8.04	78	59438	4.60 ug/l	# 75
35) Methacrylonitrile	7.17	41	8019	4.64 ug/l	91
36) 1,2-Dichloroethane	8.13	62	21887	4.79 ug/l	100
37) Trichloroethene	8.84	130	13389	4.82 ug/l	92
38) Methylcyclohexane	9.08	83	26016	5.99 ug/l	100
39) 1,2-Dichloropropane	9.12	63	16671	4.52 ug/l	96
40) Dibromomethane	9.21	93	8776	4.58 ug/l	98

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046536.D
 Acq On : 24 Jan 2018 10:17
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 24 11:16:27 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	20221	4.90	ug/l	95
42) Vinyl Acetate	5.90	43	192039	25.97	ug/l	100
43) Ethyl Acetate	6.93	43	13059	4.27	ug/l #	90
44) Isopropyl Acetate	8.17	43	27448	5.22	ug/l	98
45) 1,4-Dioxane	9.20	88	2970	101.48	ug/l	98
46) Methyl methacrylate	9.20	41	13501	5.61	ug/l	98
47) n-amyl Acetate	12.08	43	24481	4.96	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	20113	4.73	ug/l	93
49) cis-1,3-Dichloropropene	9.84	75	23902	4.81	ug/l	97
50) 1,1,2-Trichloroethane	10.57	97	12432	4.64	ug/l	97
51) Ethyl methacrylate	10.43	69	19783	5.84	ug/l	99
52) 1,3-Dichloropropane	10.71	76	23218	4.69	ug/l	99
53) Dibromochloromethane	10.90	129	12070	4.68	ug/l	100
54) 1,2-Dibromoethane	11.01	107	11084	4.59	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	40960	23.03	ug/l	99
56) Bromoform	12.13	173	7594	5.09	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	75016	27.71	ug/l	99
59) 2-Hexanone	10.76	43	52369	27.30	ug/l	99
61) Tetrachloroethene	10.63	164	11231	5.16	ug/l	97
62) Toluene	10.16	91	62358	5.11	ug/l	99
64) Chlorobenzene	11.44	112	36079	5.19	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	11924	5.08	ug/l	98
66) Ethyl Benzene	11.52	91	68338	5.66	ug/l	99
67) m/p-Xylenes	11.63	106	48284	10.87	ug/l	100
68) o-Xylene	11.95	106	23327	5.49	ug/l	99
69) Styrene	11.97	104	37254	5.48	ug/l	100
70) Isopropylbenzene	12.26	105	62560	5.59	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	15557	4.78	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	21232	7.97	ug/l	50
73) Bromobenzene	12.53	156	12748	4.88	ug/l	99
74) n-propylbenzene	12.60	91	77117	5.37	ug/l	99
75) 2-Chlorotoluene	12.68	91	45340	5.30	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	52011	5.50	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	5176	5.67	ug/l	92
78) 4-Chlorotoluene	12.78	91	45484	5.23	ug/l	100
79) tert-butylbenzene	13.00	119	44146	5.64	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	51708	5.35	ug/l #	82
81) sec-Butylbenzene	13.18	105	63022	5.44	ug/l	100
82) p-Isopropyltoluene	13.30	119	50701	5.37	ug/l	98
83) 1,3-Dichlorobenzene	13.29	146	22285	4.58	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	21421	4.47	ug/l	97
85) n-Butylbenzene	13.62	91	49861	5.53	ug/l	99
86) Hexachloroethane	13.88	117	9810	5.43	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	21978	4.58	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	2759	5.27	ug/l	93
89) 1,2,4-Trichlorobenzene	14.92	180	9508	3.54	ug/l	99
90) Hexachlorobutadiene	15.02	225	6951	4.76	ug/l	99
91) Naphthalene	15.14	128	20863	3.33	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	9868	3.77	ug/l	99

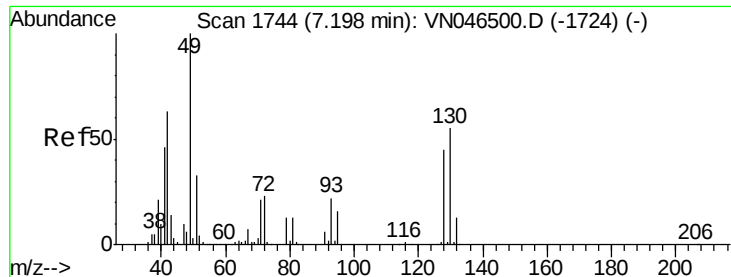
Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
Data File : VN046536.D
Acq On : 24 Jan 2018 10:17
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jan 24 11:16:27 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)
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(#) = 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: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

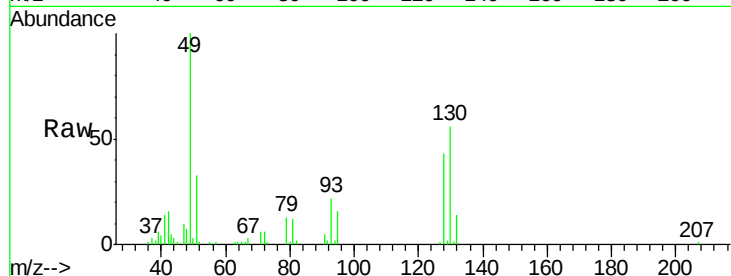
Tgt Ion:128 Resp: 35420

Ion Ratio Lower Upper

128 100

49 230.4 0.0 566.8

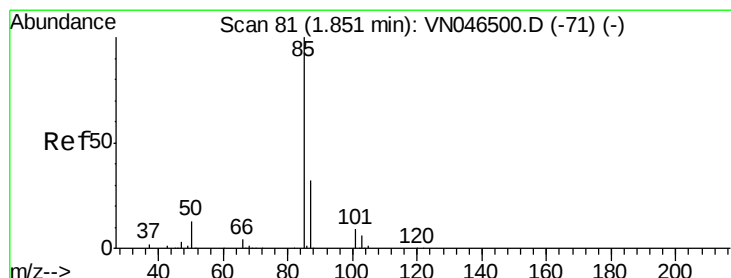
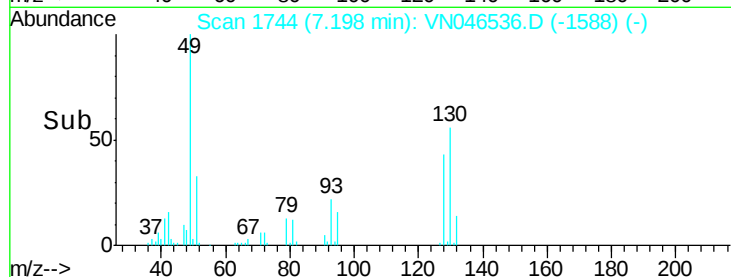
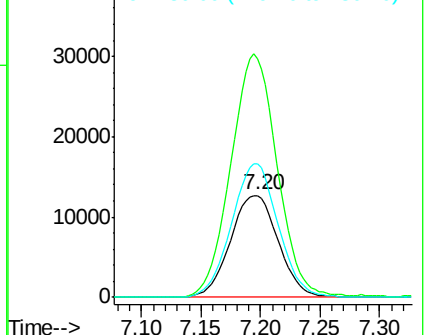
130 127.7 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.55 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN046536.D

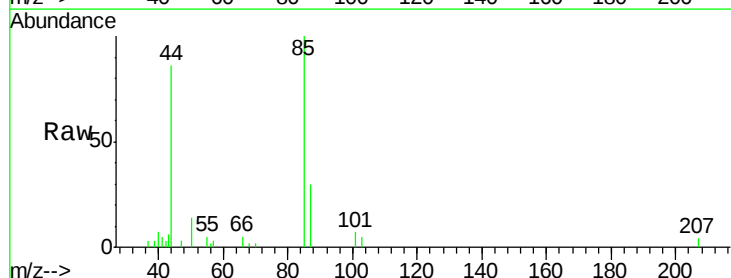
Acq: 24 Jan 2018 10:17

Tgt Ion: 85 Resp: 11766

Ion Ratio Lower Upper

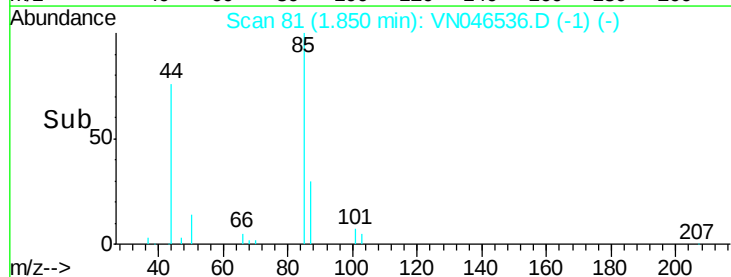
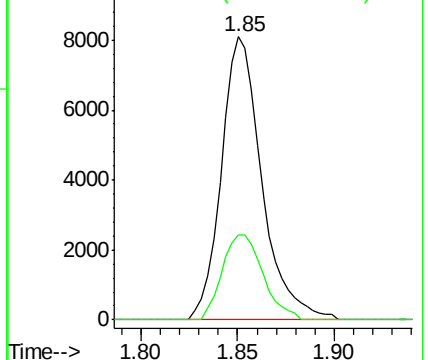
85 100

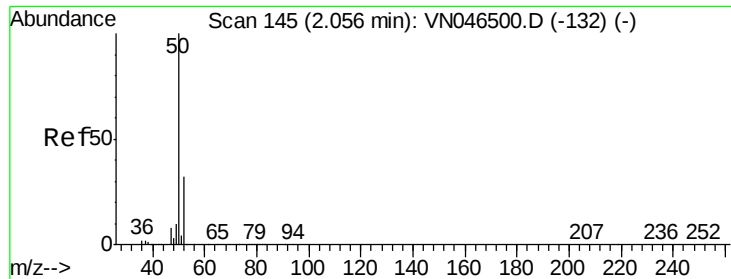
87 30.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 4.08 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

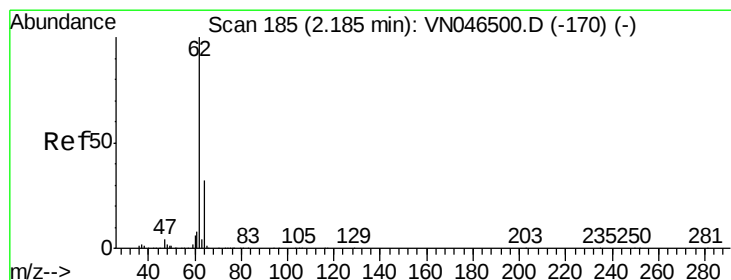
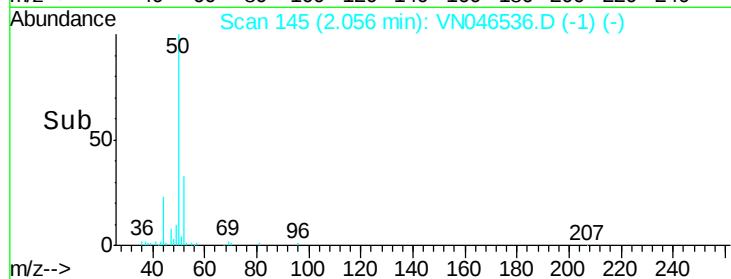
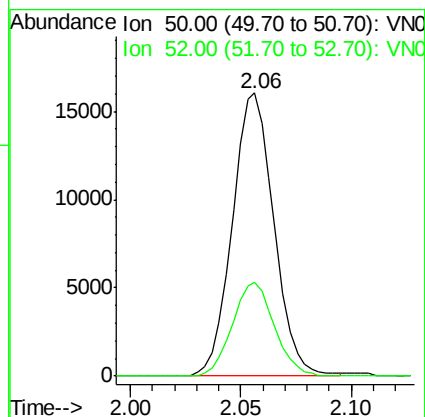
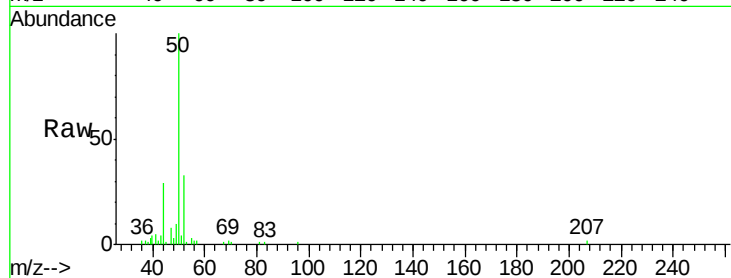
VSTDIC005

Tgt Ion: 50 Resp: 20957

Ion Ratio Lower Upper

50 100

52 33.4 25.8 38.6



#4

Vinyl Chloride

Concen: 5.11 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN046536.D

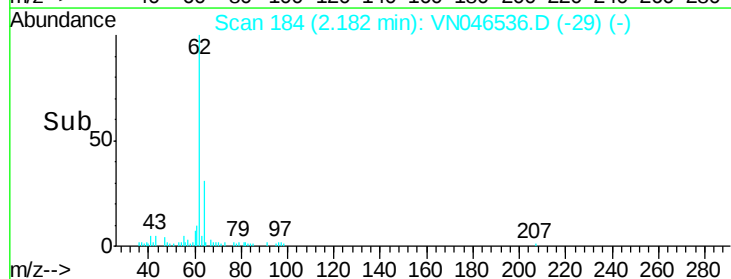
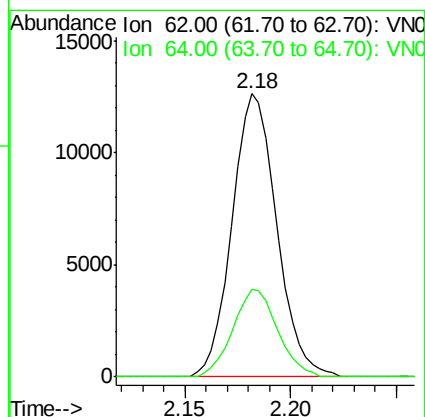
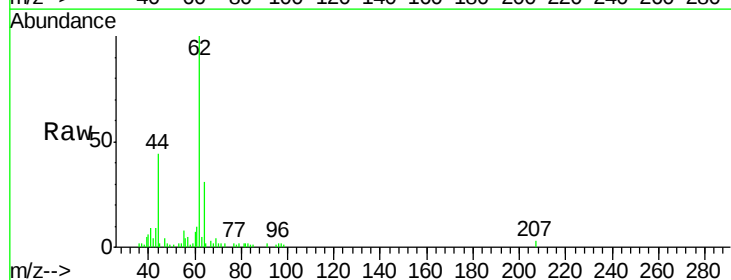
Acq: 24 Jan 2018 10:17

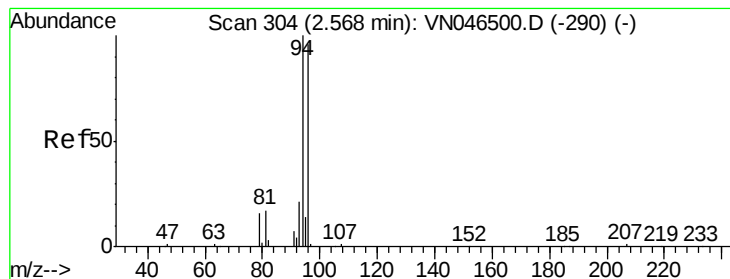
Tgt Ion: 62 Resp: 18571

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 13.02 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

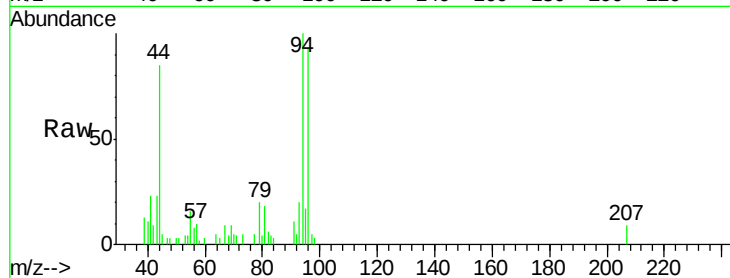
VSTDIC005

Tgt Ion: 94 Resp: 11839

Ion Ratio Lower Upper

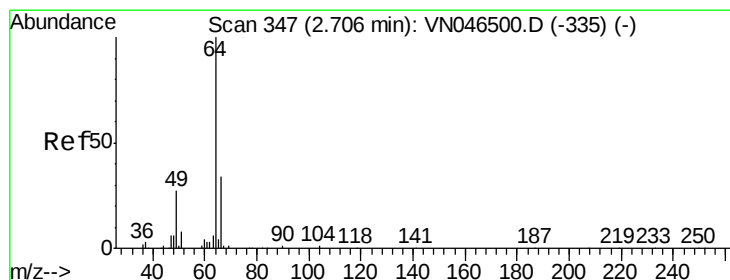
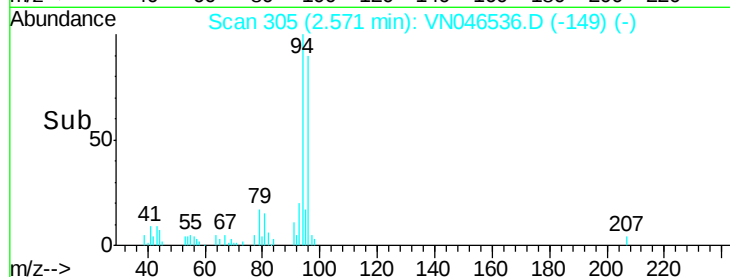
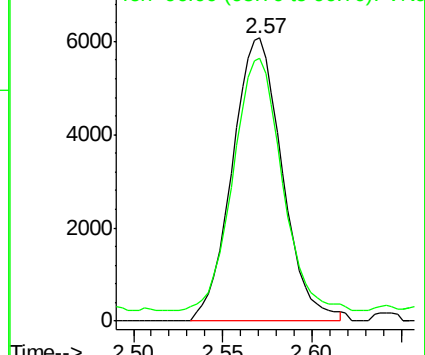
94 100

96 87.8 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 9.51 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN046536.D

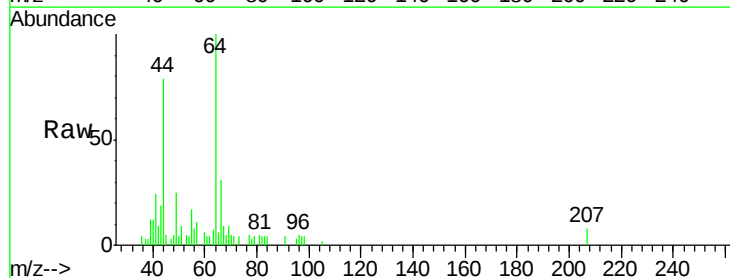
Acq: 24 Jan 2018 10:17

Tgt Ion: 64 Resp: 11084

Ion Ratio Lower Upper

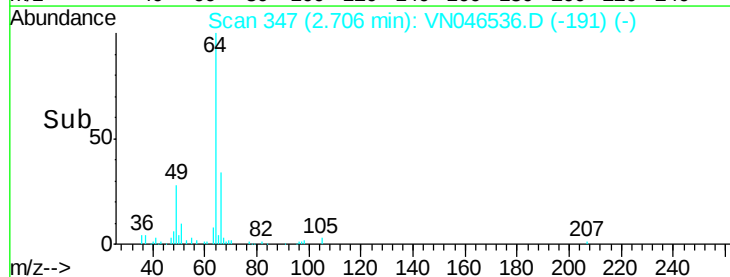
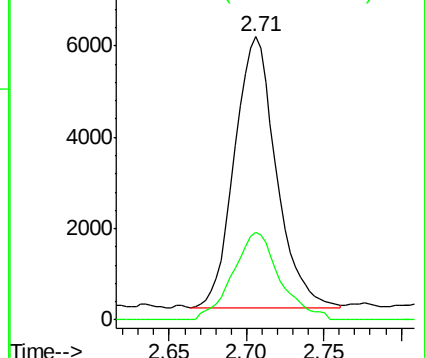
64 100

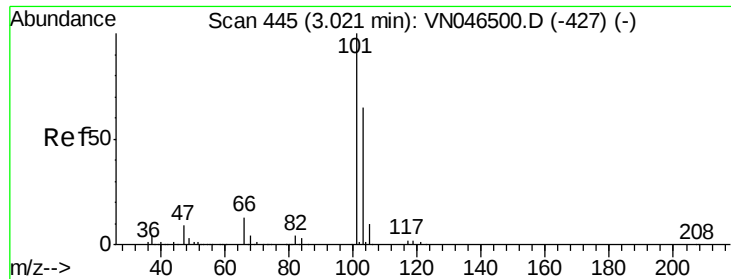
66 32.5 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 5.23 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

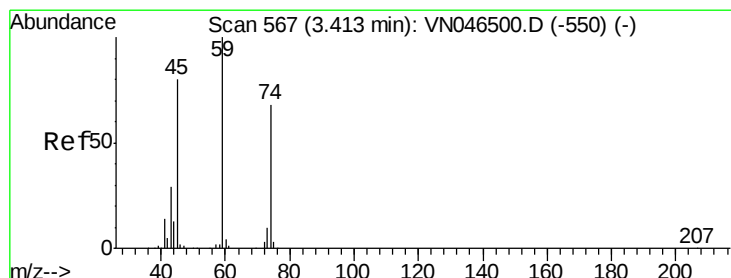
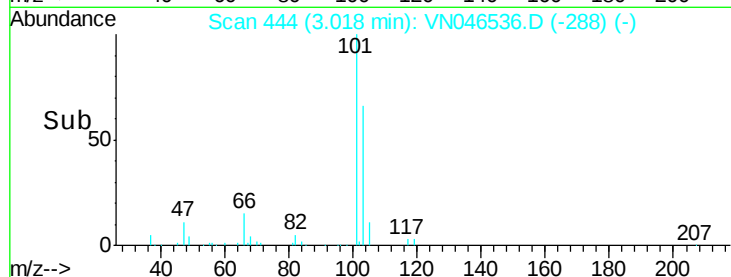
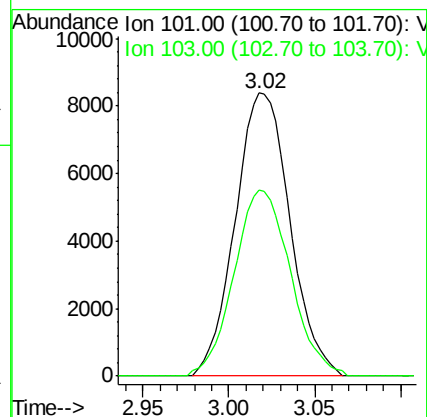
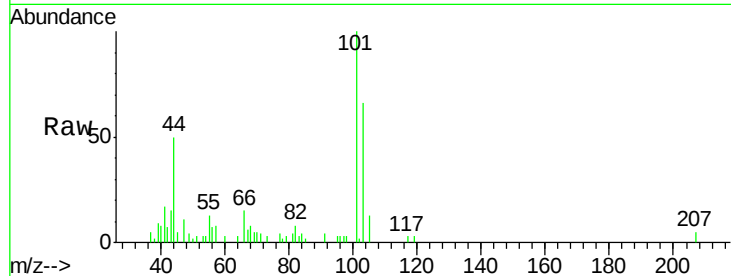
VSTDIC005

Tgt Ion:101 Resp: 18547

Ion Ratio Lower Upper

101 100

103 64.1 52.2 78.4



#8

Diethyl Ether

Concen: 5.86 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN046536.D

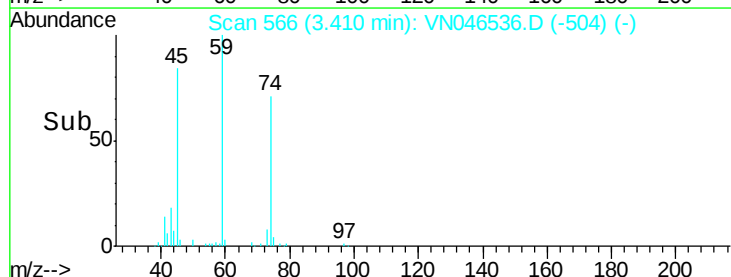
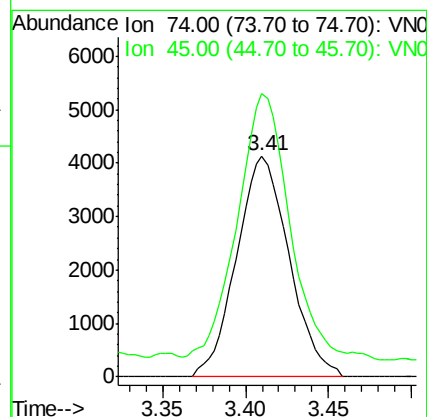
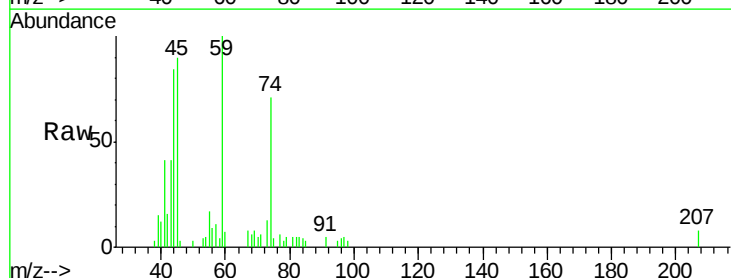
Acq: 24 Jan 2018 10:17

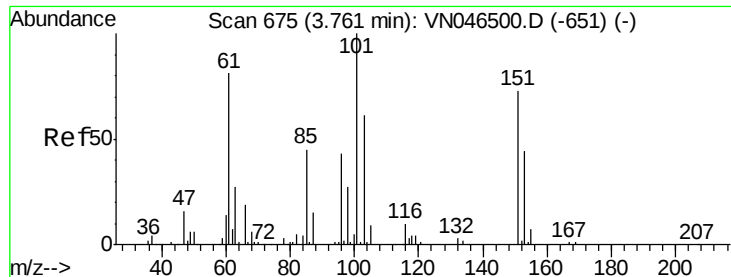
Tgt Ion: 74 Resp: 9102

Ion Ratio Lower Upper

74 100

45 117.3 22.0 197.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.04 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

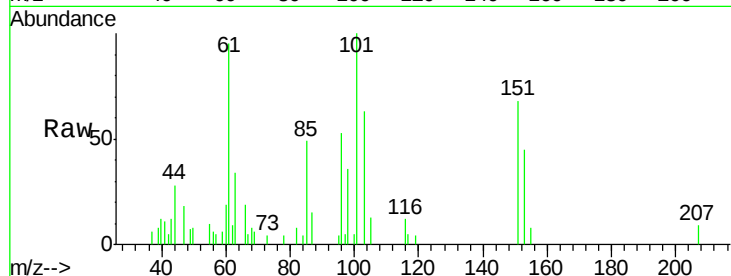
Tgt Ion:101 Resp: 12423

Ion Ratio Lower Upper

101 100

85 48.3 0.0 90.8

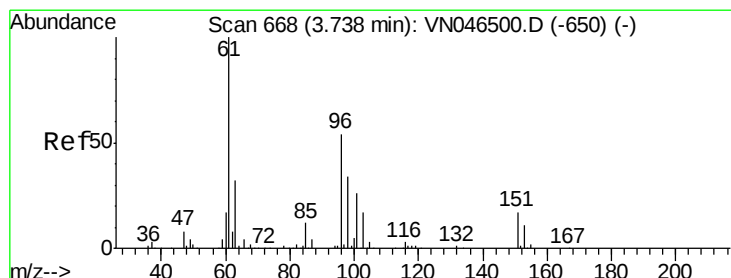
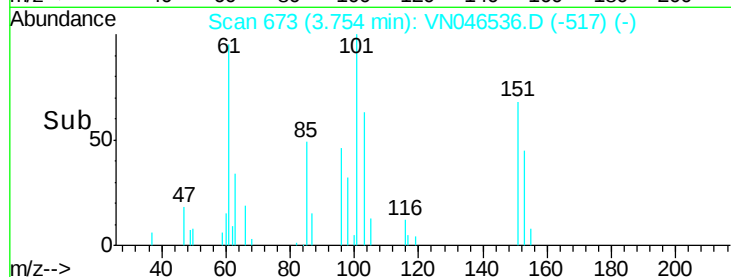
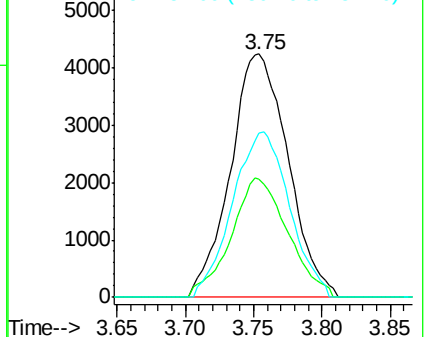
151 67.4 0.0 137.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 5.93 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

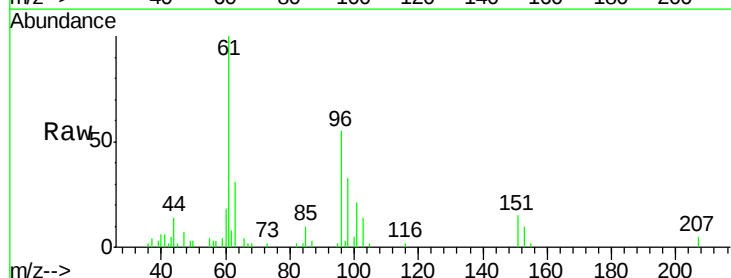
Tgt Ion: 96 Resp: 13239

Ion Ratio Lower Upper

96 100

61 182.6 152.4 228.6

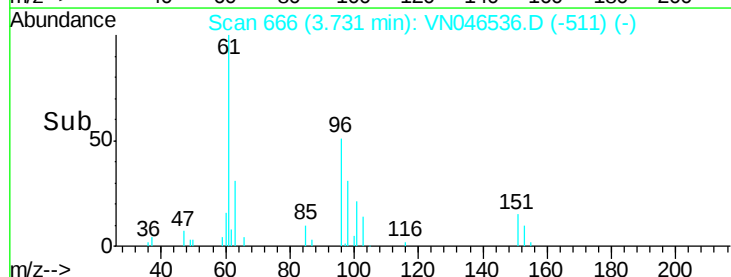
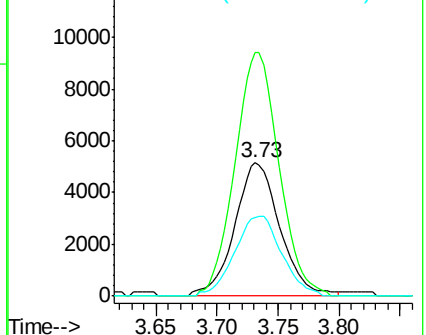
98 59.3 51.3 76.9

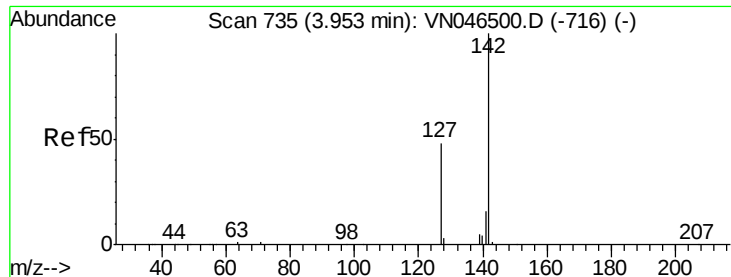


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

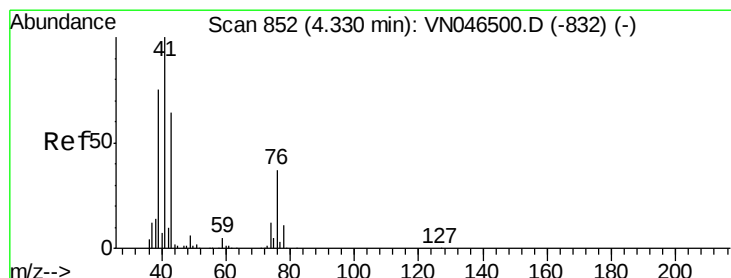
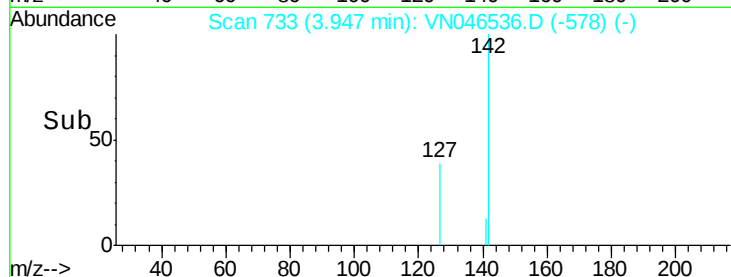
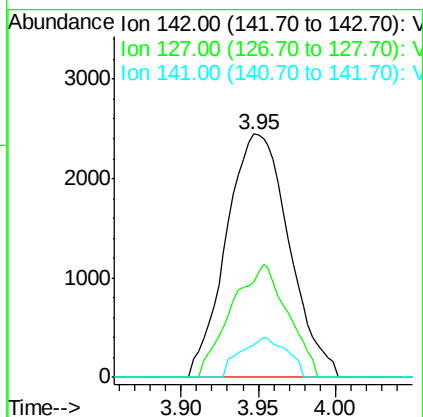
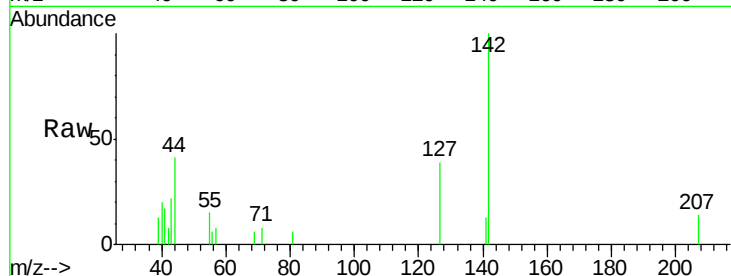




#11
Methyl Iodide
Concen: 3.38 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

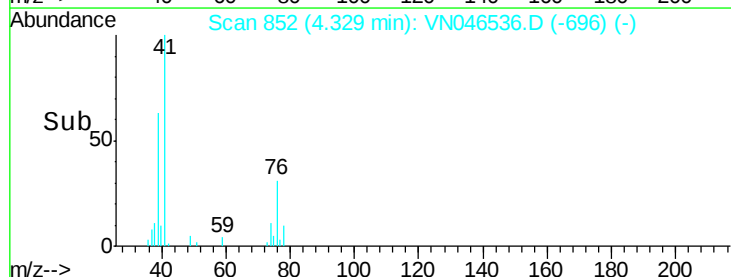
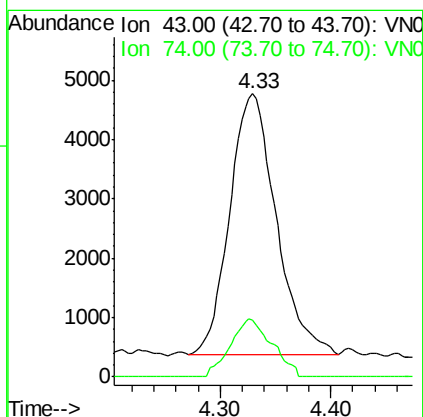
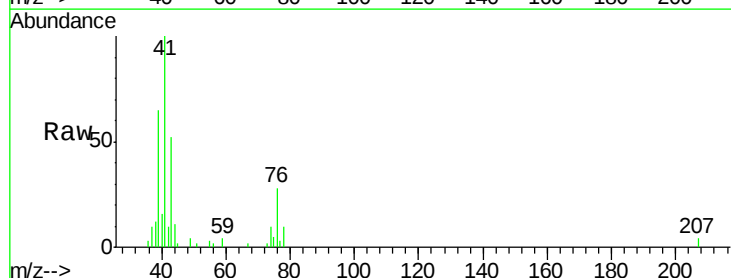
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

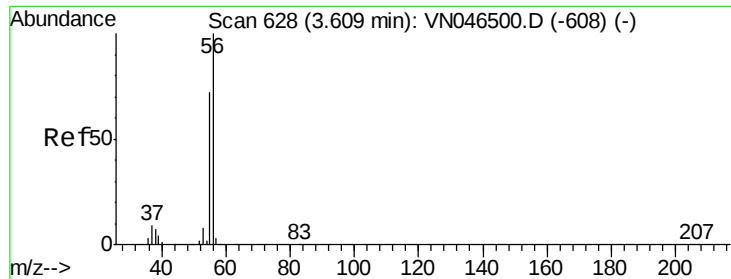
Tgt Ion:142 Resp: 6896
Ion Ratio Lower Upper
142 100
127 39.2 21.1 63.3
141 13.3 7.3 21.9



#12
Methyl Acetate
Concen: 5.29 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion: 43 Resp: 12830
Ion Ratio Lower Upper
43 100
74 21.6 17.0 25.6





#13

Acrolein

Concen: 28.87 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

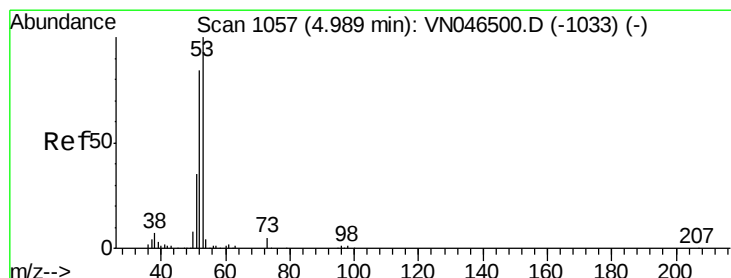
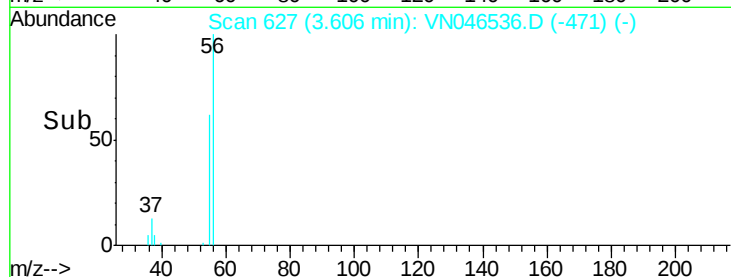
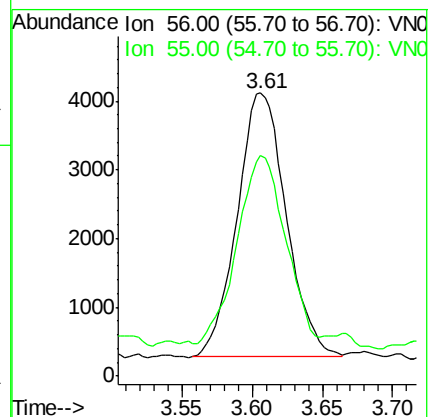
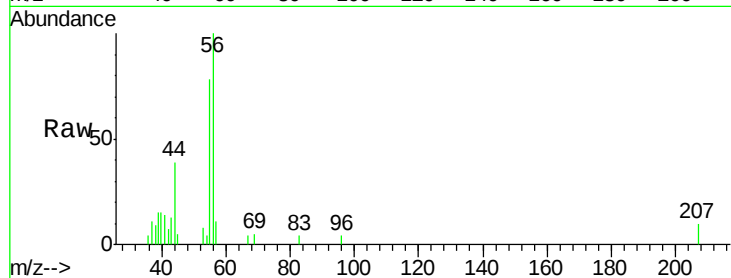
VSTDIC005

Tgt Ion: 56 Resp: 9366

Ion Ratio Lower Upper

56 100

55 70.1 58.9 88.3



#14

Acrylonitrile

Concen: 28.14 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

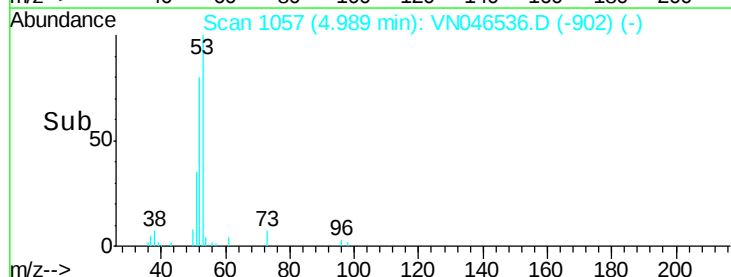
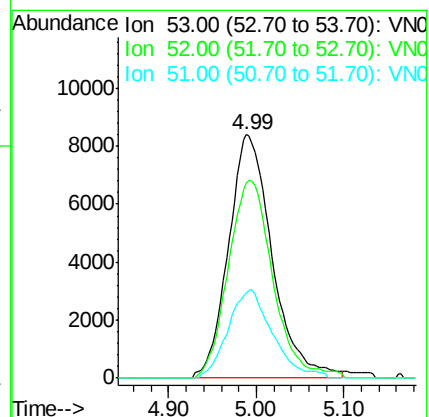
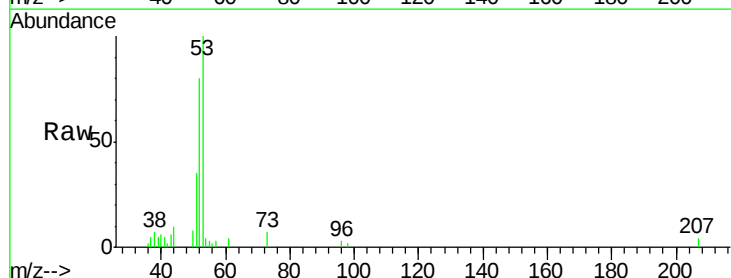
Tgt Ion: 53 Resp: 29113

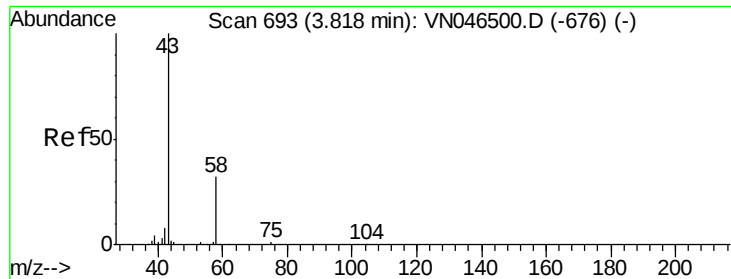
Ion Ratio Lower Upper

53 100

52 82.2 40.9 122.7

51 36.9 18.1 54.1





#15

Acetone

Concen: 28.38 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

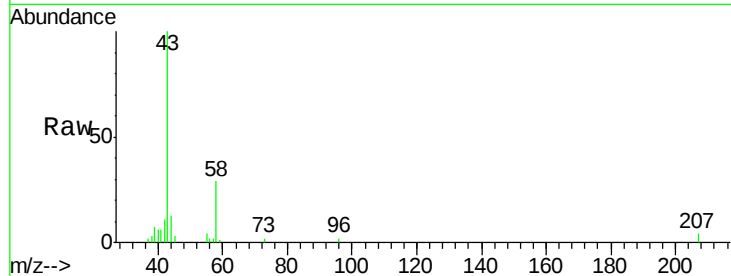
VSTDIC005

Tgt Ion: 58 Resp: 8581

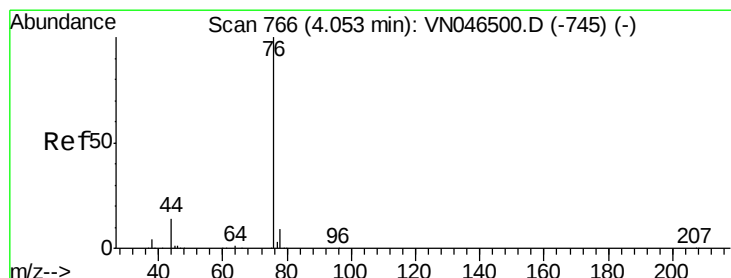
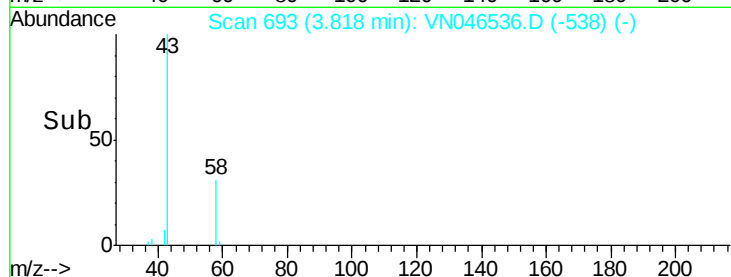
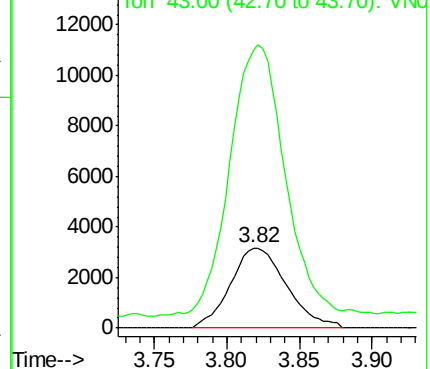
Ion Ratio Lower Upper

58 100

43 326.2 285.3 427.9



Abundance Ion 58.00 (57.70 to 58.70): VN046536.D (-538) (-)



#16

Carbon Disulfide

Concen: 5.61 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN046536.D

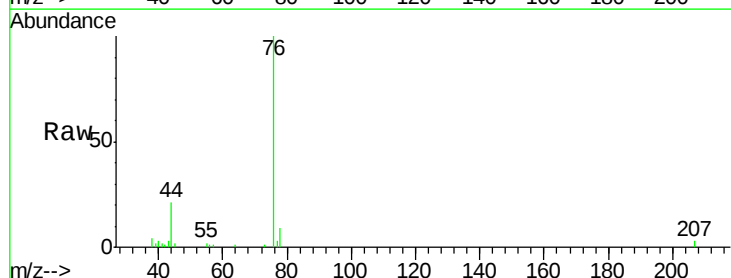
Acq: 24 Jan 2018 10:17

Tgt Ion: 76 Resp: 42779

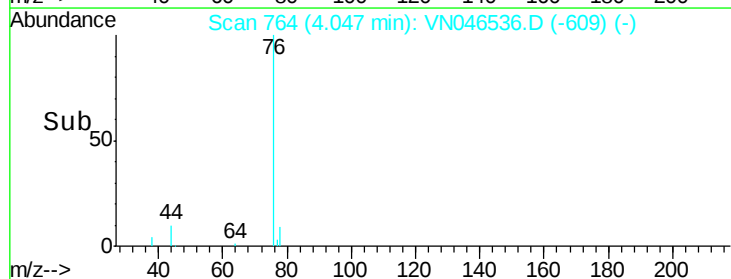
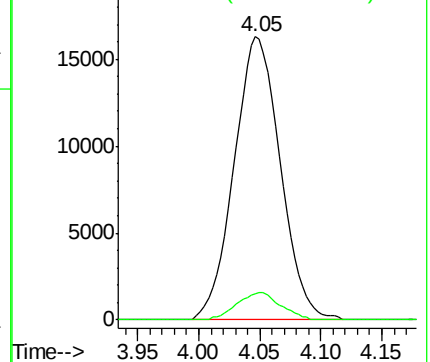
Ion Ratio Lower Upper

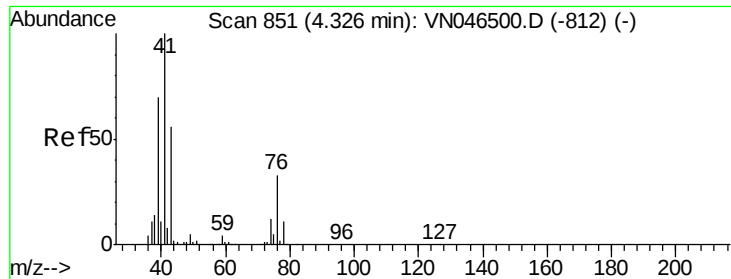
76 100

78 9.4 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VN046536.D (-609) (-)

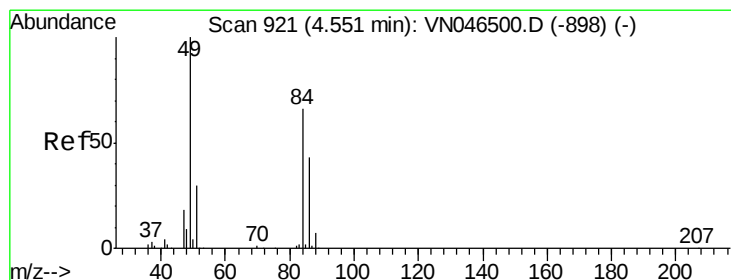
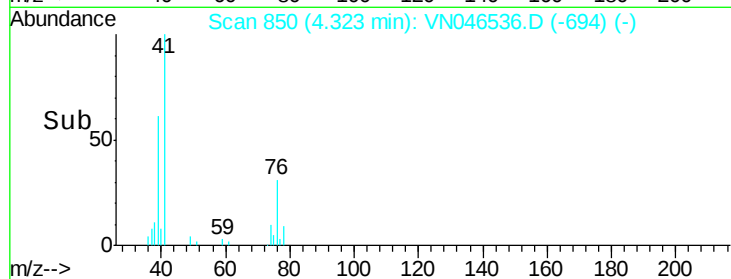
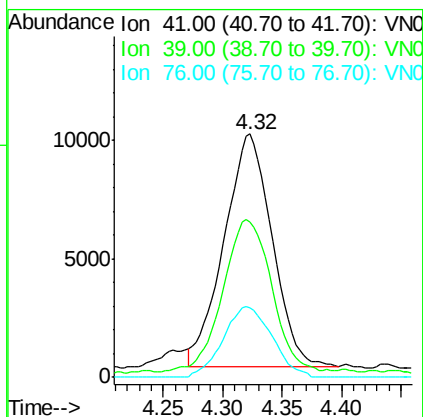
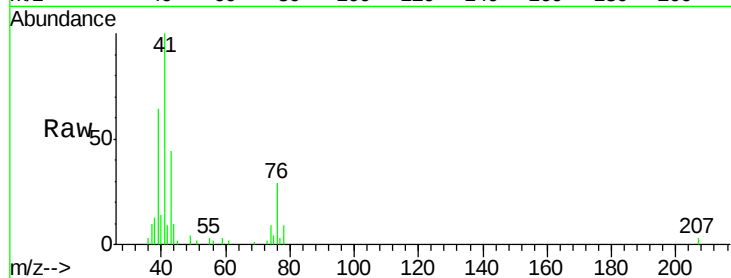




#17
 Allyl chloride
 Concen: 5.74 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

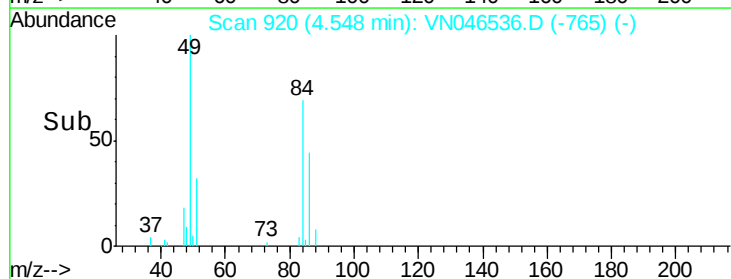
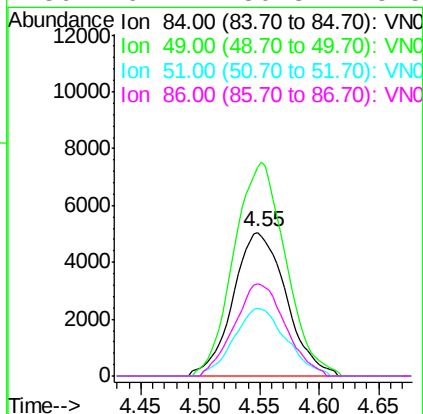
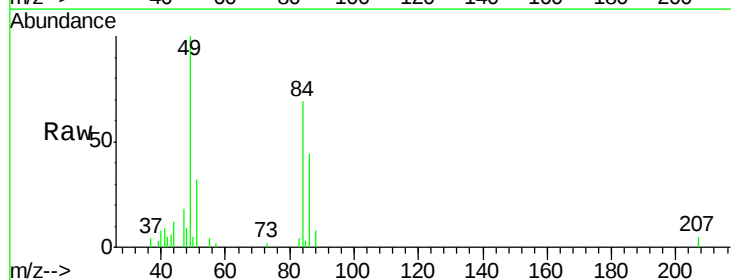
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

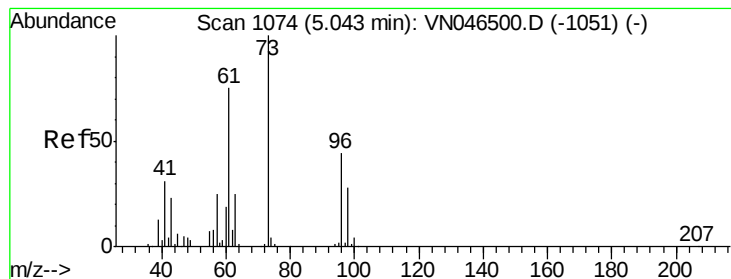
Tgt Ion: 41 Resp: 27436
 Ion Ratio Lower Upper
 41 100
 39 63.8 33.5 100.4
 76 29.9 15.9 47.7



#18
 Methylene Chloride
 Concen: 5.10 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 84 Resp: 15601
 Ion Ratio Lower Upper
 84 100
 49 145.5 113.9 170.9
 51 47.1 36.3 54.5
 86 64.2 50.3 75.5





#19

trans-1,2-Dichloroethene

Concen: 5.40 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

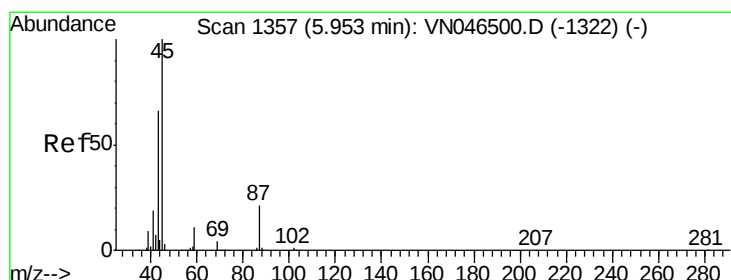
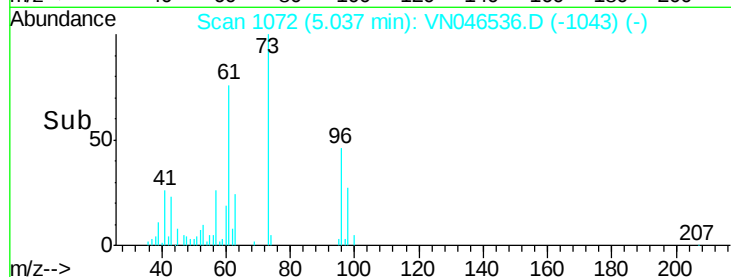
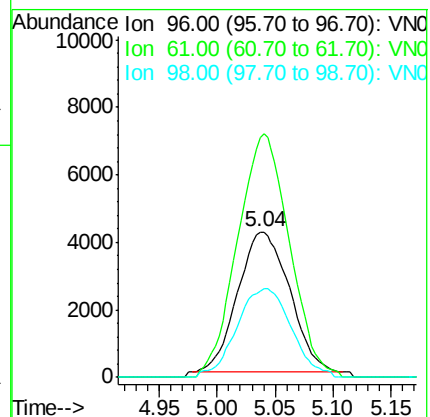
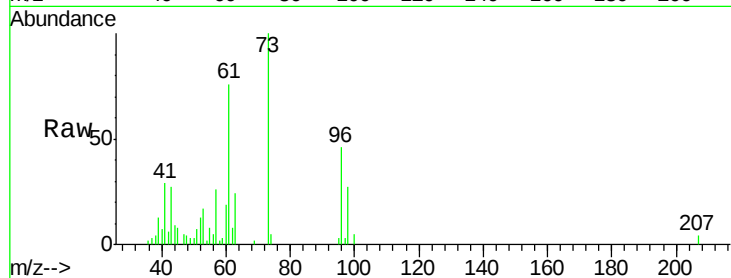
Tgt Ion: 96 Resp: 12812

Ion Ratio Lower Upper

96 100

61 171.4 137.3 205.9

98 61.6 52.3 78.5



#20

Diisopropyl ether

Concen: 5.91 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Tgt Ion: 45 Resp: 54653

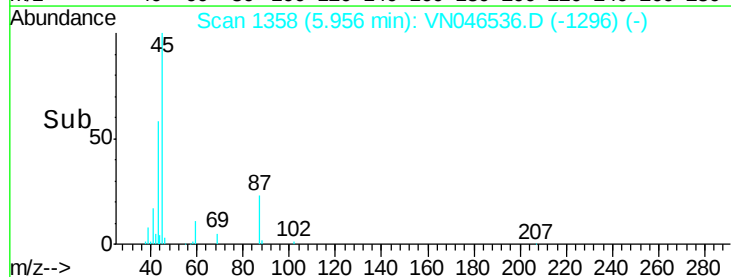
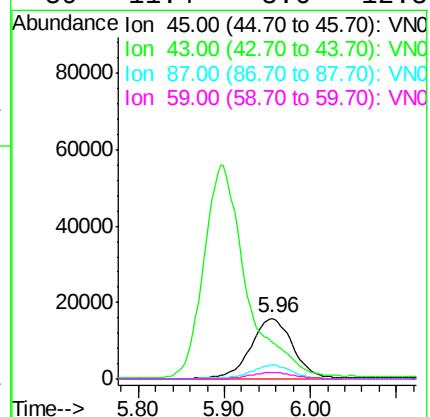
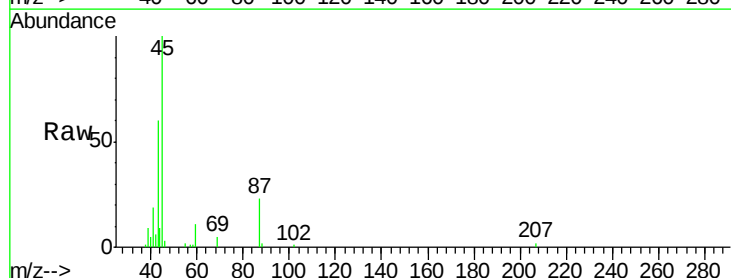
Ion Ratio Lower Upper

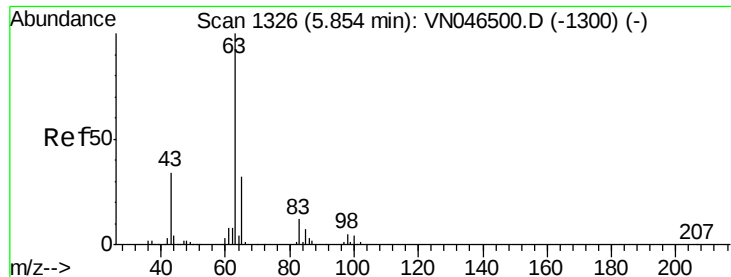
45 100

43 54.5 45.1 67.7

87 23.2 16.6 24.8

59 11.4 8.6 12.8





#21

1,1-Dichloroethane

Concen: 5.31 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

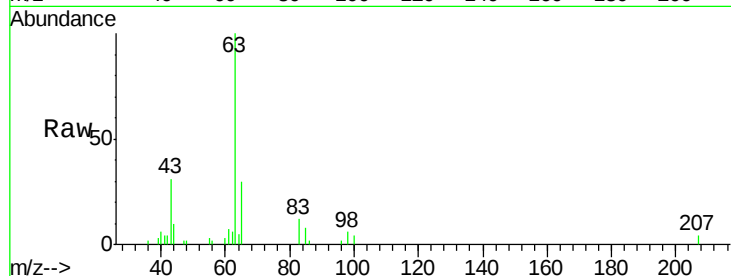
Tgt Ion: 63 Resp: 29053

Ion Ratio Lower Upper

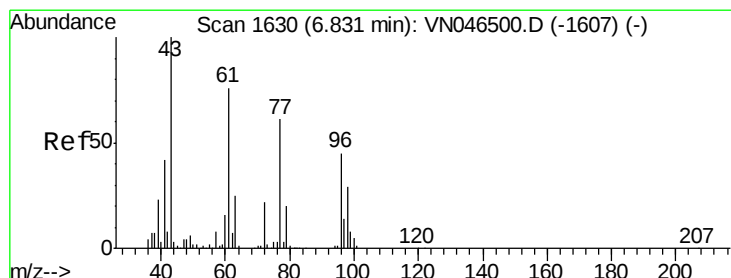
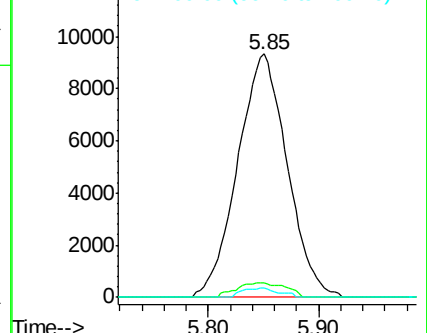
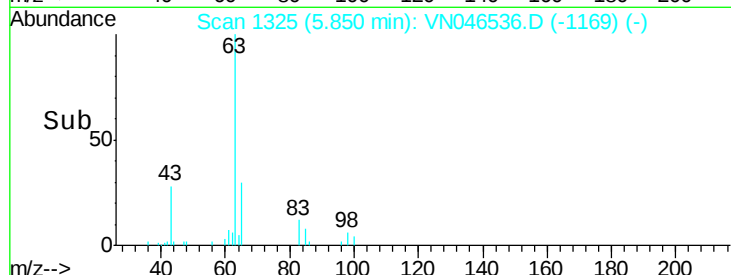
63 100

98 5.7 3.3 9.9

100 3.7 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VN046536.D (-1169) (-)



#22

cis-1,2-Dichloroethene

Concen: 5.71 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

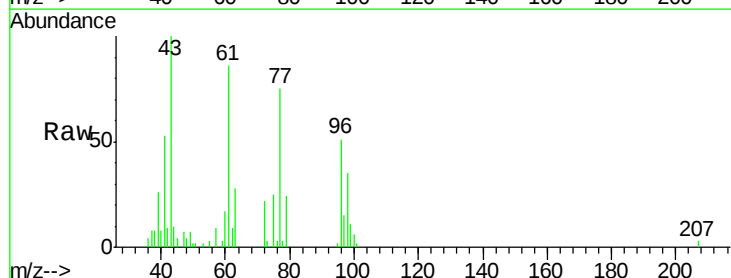
Tgt Ion: 96 Resp: 15256

Ion Ratio Lower Upper

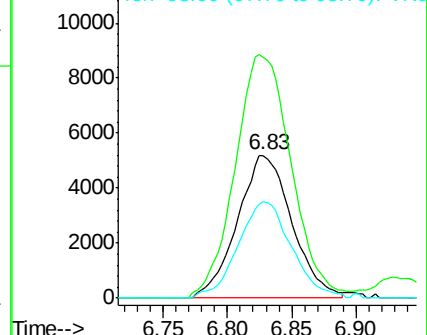
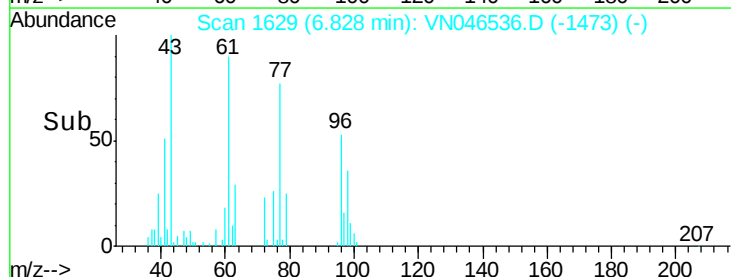
96 100

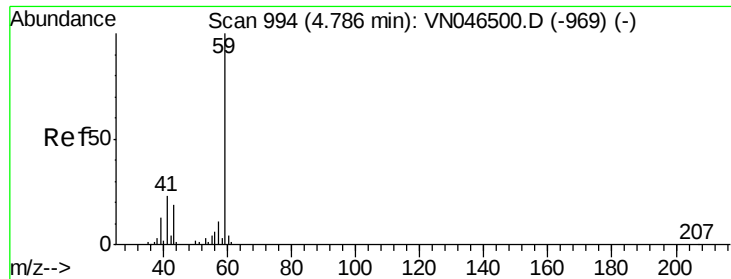
61 175.3 141.3 211.9

98 66.2 51.0 76.6



Abundance Ion 96.00 (95.70 to 96.70): VN046536.D (-1473) (-)

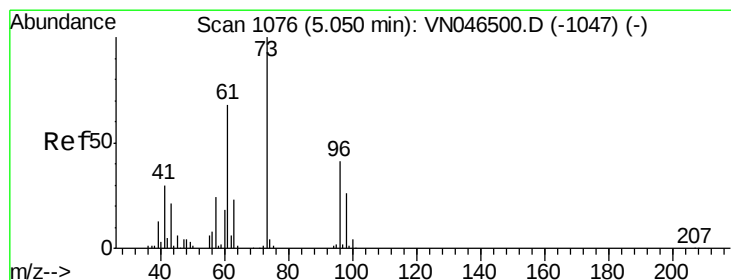
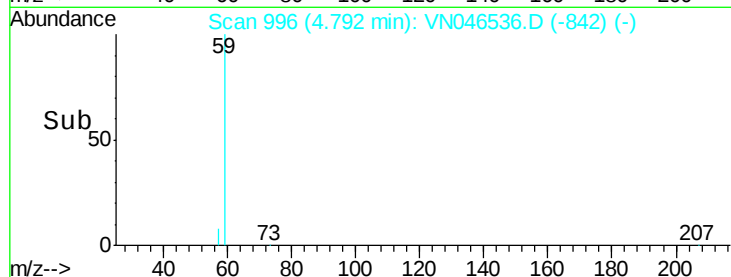
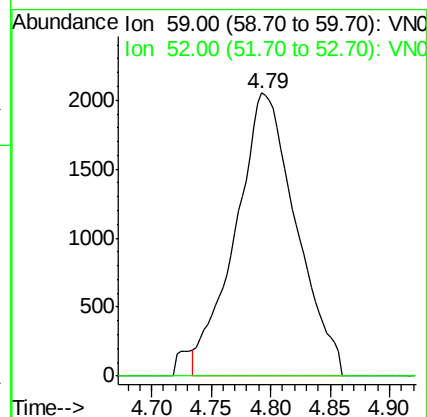
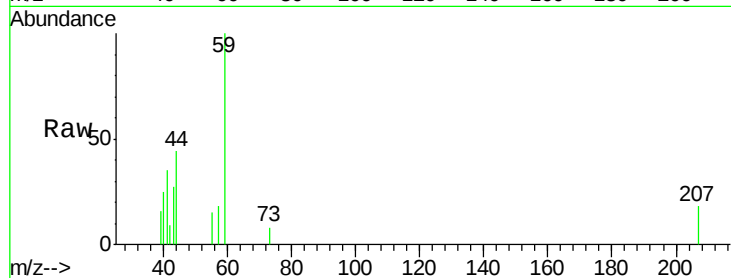




#23
 tert-Butyl Alcohol
 Concen: 36.73 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

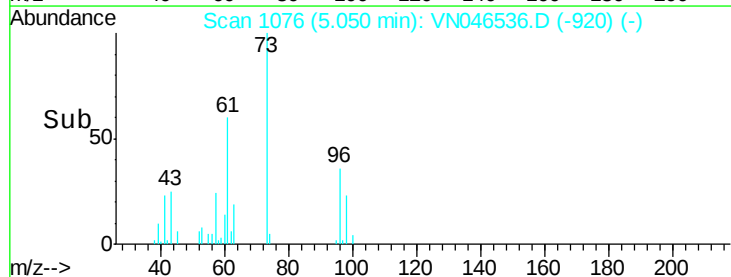
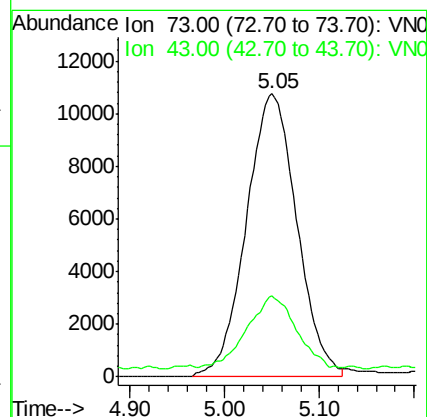
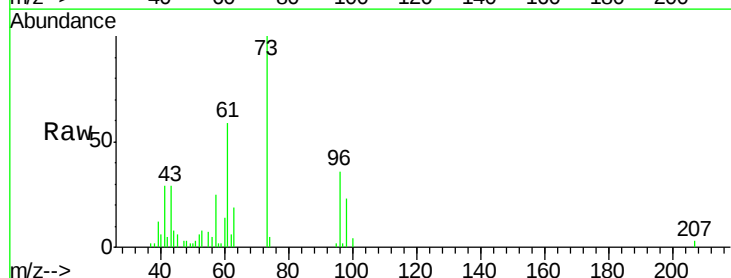
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

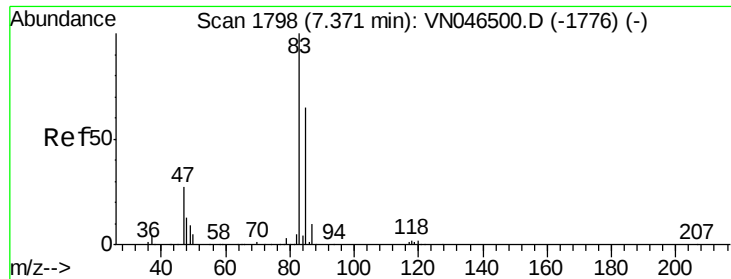
Tgt Ion: 59 Resp: 7256
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 6.24 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 73 Resp: 39927
 Ion Ratio Lower Upper
 73 100
 43 25.1 19.0 28.6





#25

Chloroform

Concen: 5.12 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

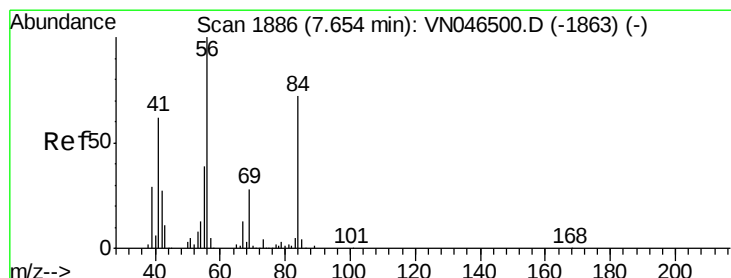
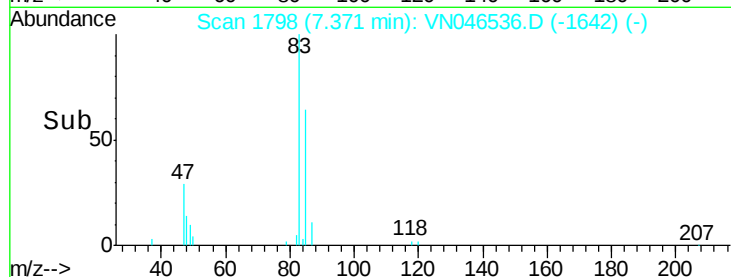
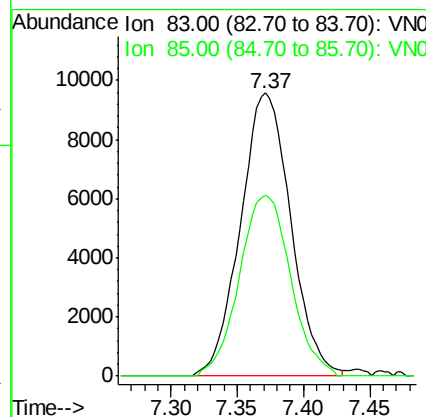
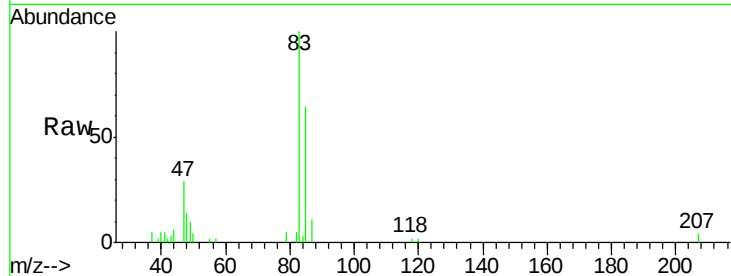
VSTDIC005

Tgt Ion: 83 Resp: 25341

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.0



#26

Cyclohexane

Concen: 6.26 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

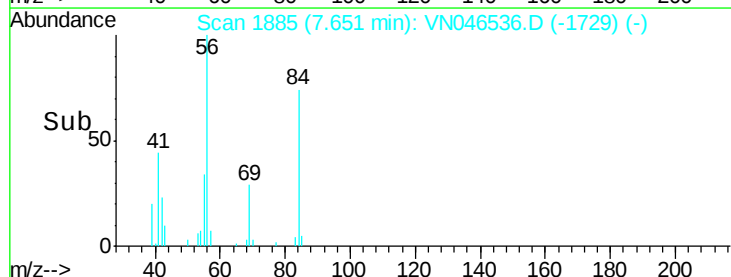
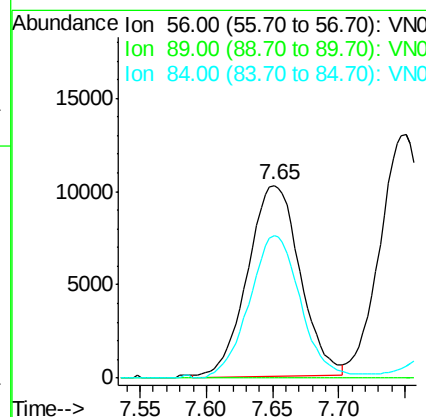
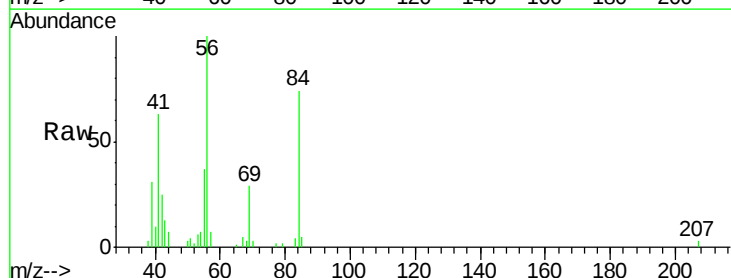
Tgt Ion: 56 Resp: 28239

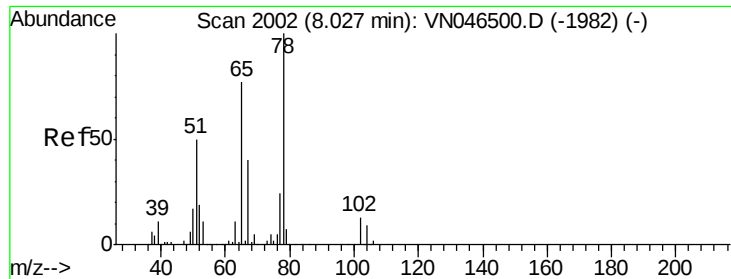
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 72.6 56.8 85.2

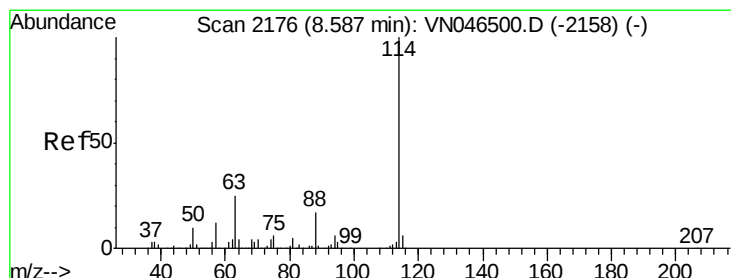
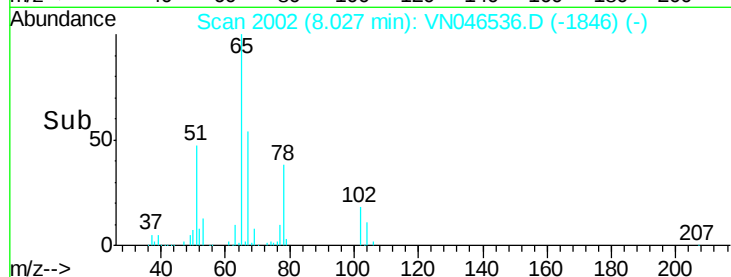
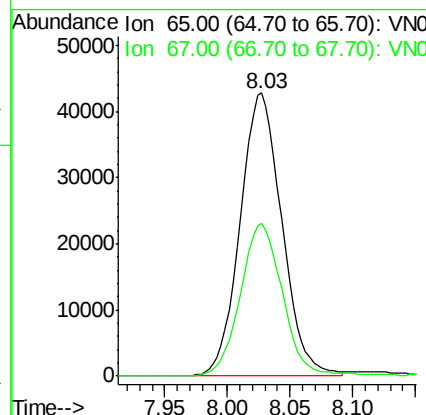
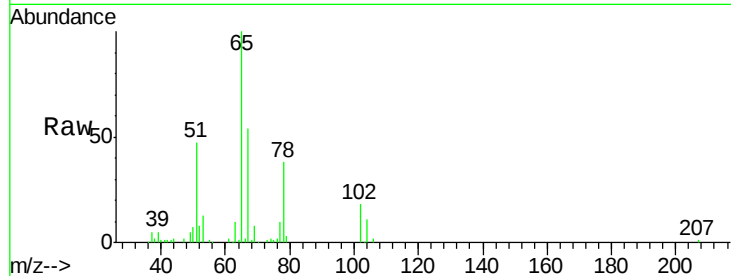




#27
 1,2-Dichloroethane-d4
 Concen: 30.34 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

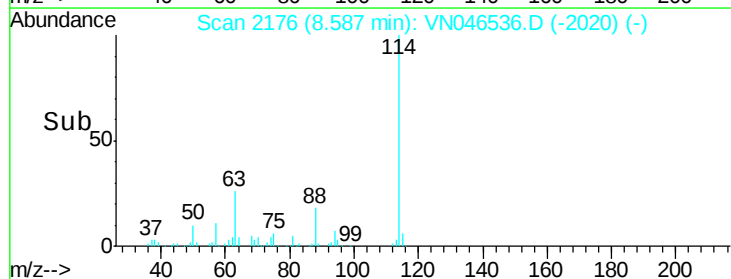
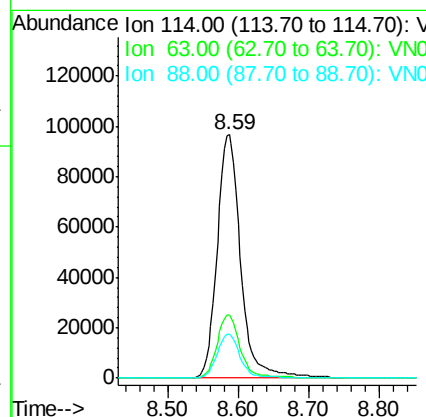
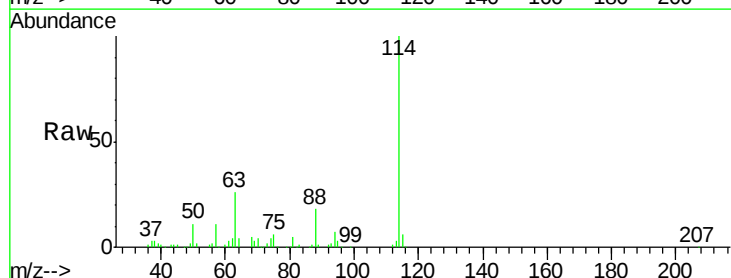
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

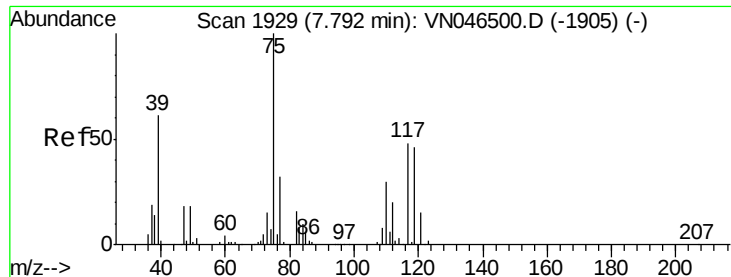
Tgt Ion: 65 Resp: 99135
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 114 Resp: 224069
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.2 30.4
 88 17.5 14.2 21.2

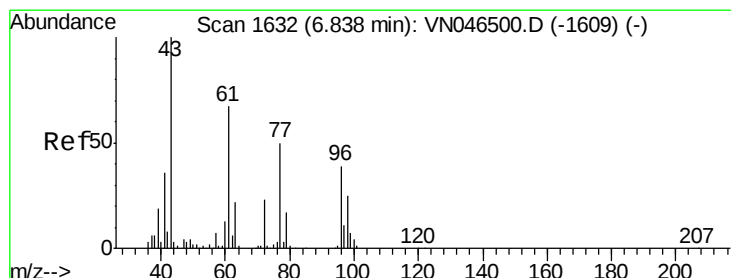
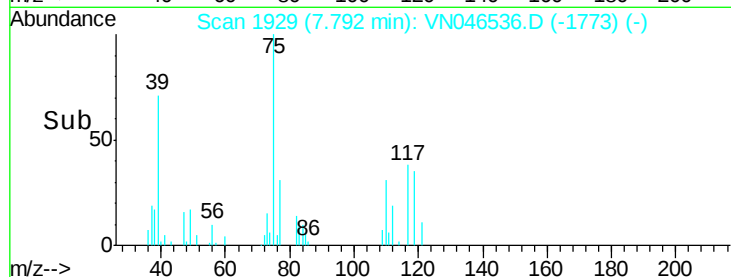
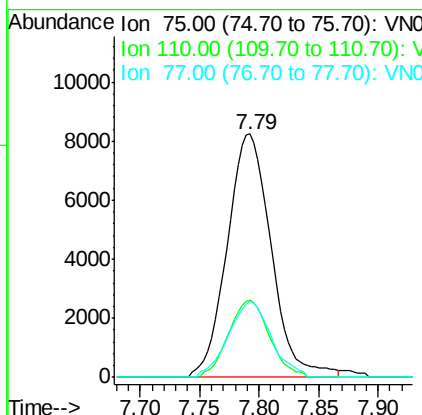
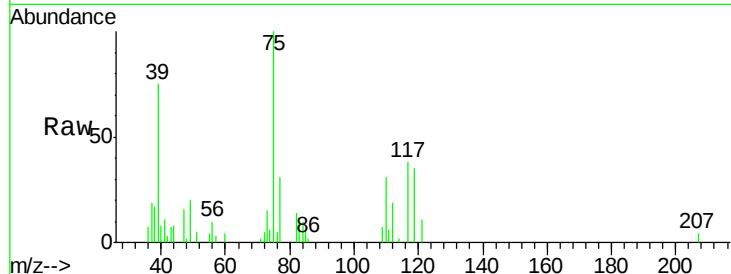




#29
 1,1-Dichloropropene
 Concen: 5.15 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

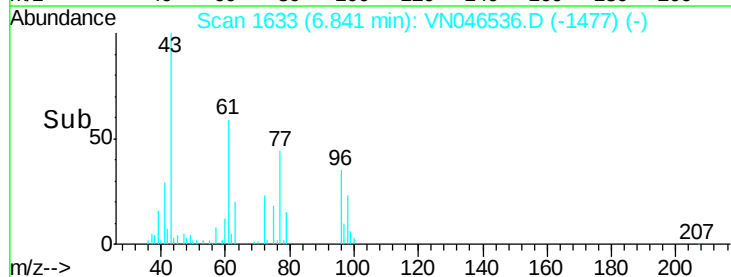
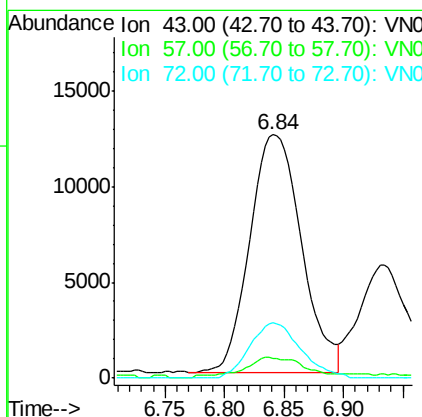
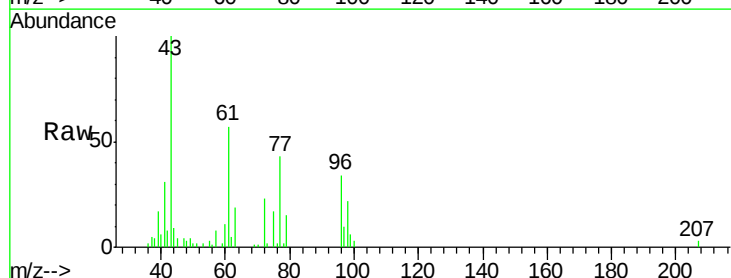
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

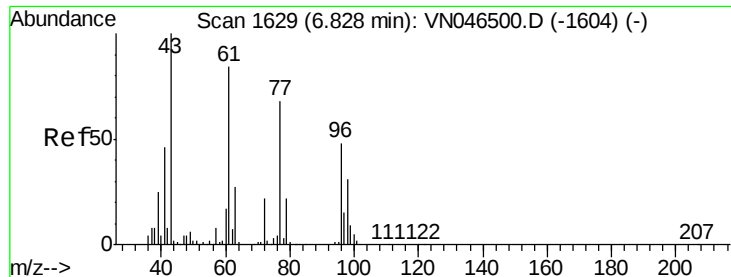
Tgt Ion: 75 Resp: 21155
 Ion Ratio Lower Upper
 75 100
 110 29.4 0.0 61.0
 77 30.3 0.0 63.2



#30
 2-Butanone
 Concen: 26.44 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 43 Resp: 37357
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.8 10.2
 72 22.9 18.9 28.3

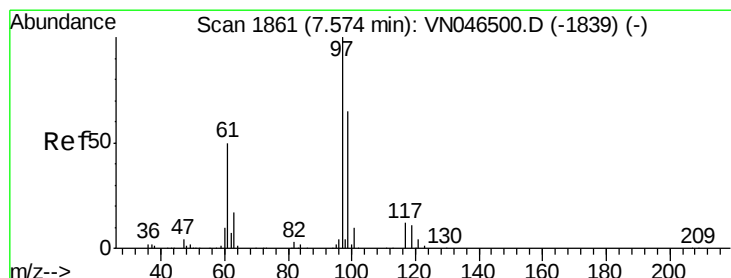
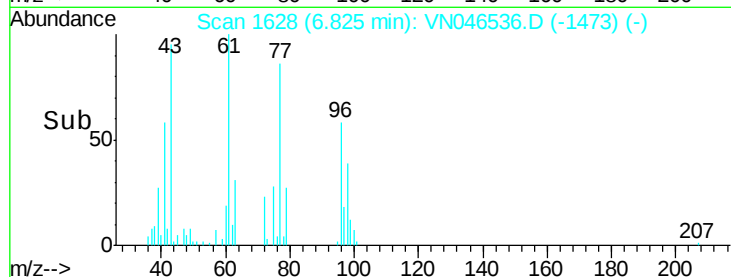
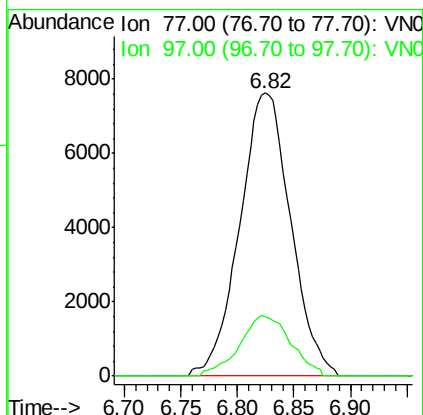
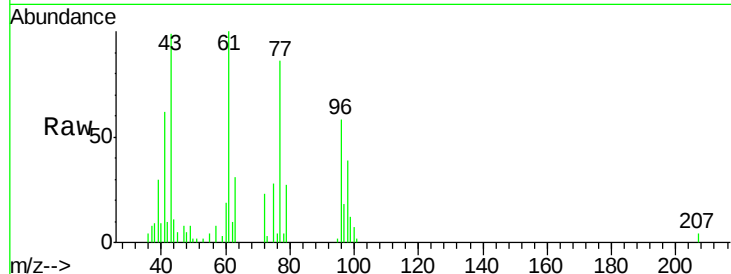




#31
 2,2-Dichloropropane
 Concen: 5.17 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

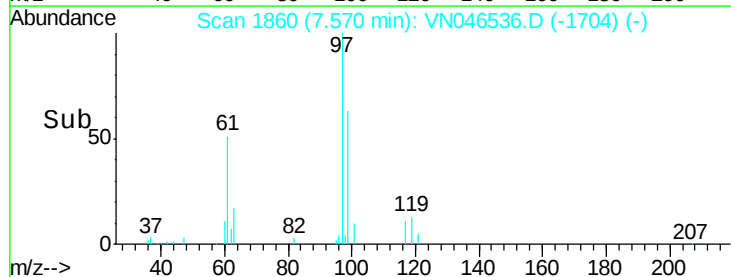
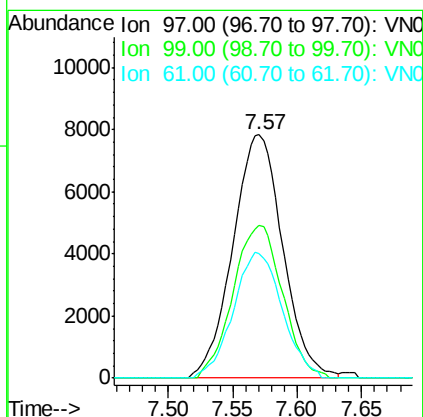
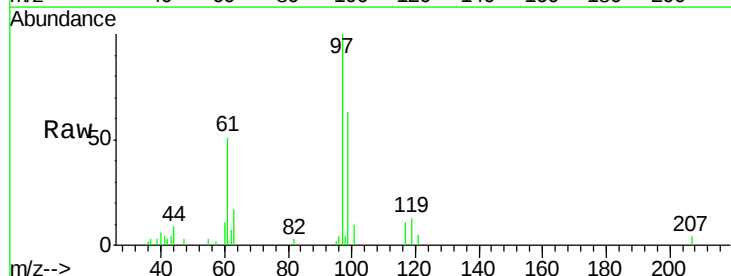
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

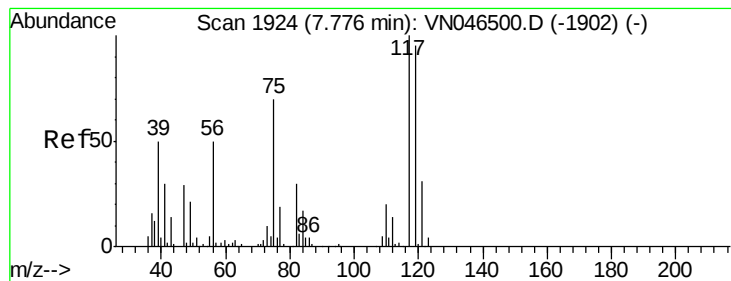
Tgt Ion: 77 Resp: 23918
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.2 25.8



#32
 1,1,1-Trichloroethane
 Concen: 4.76 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 97 Resp: 21158
 Ion Ratio Lower Upper
 97 100
 99 62.0 50.4 75.6
 61 50.5 41.3 61.9





#33

Carbon Tetrachloride

Concen: 4.36 ug/l

RT: 7.77 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

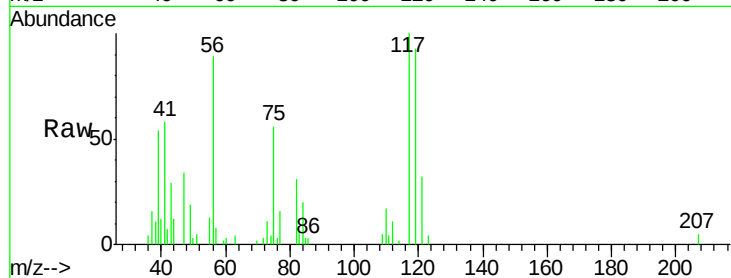
Tgt Ion:117 Resp: 16328

Ion Ratio Lower Upper

117 100

119 93.1 77.7 116.5

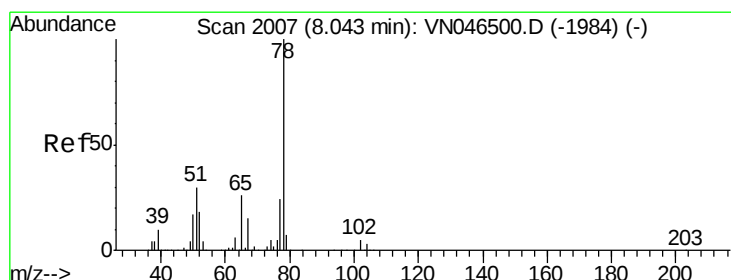
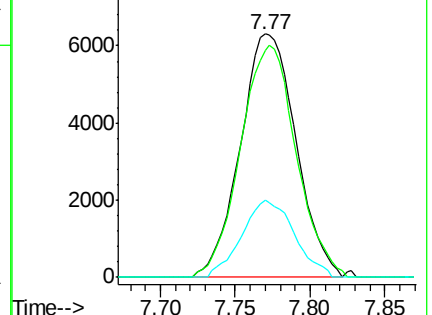
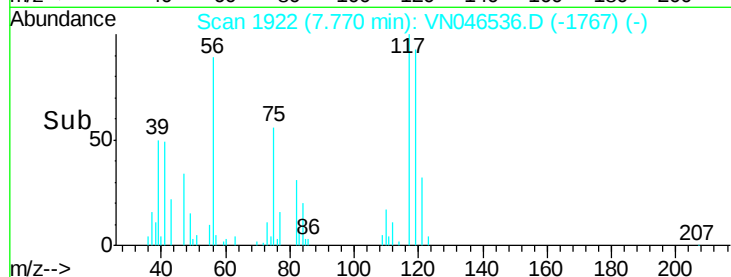
121 31.5 25.1 37.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 4.60 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

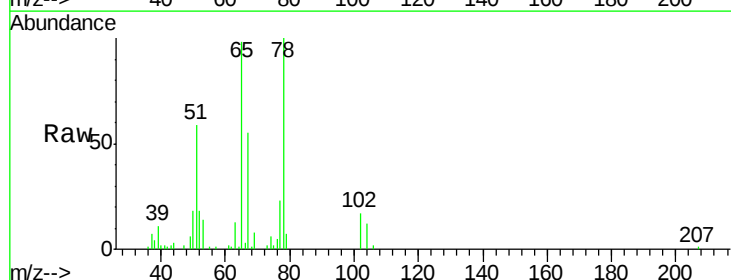
Tgt Ion: 78 Resp: 59438

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

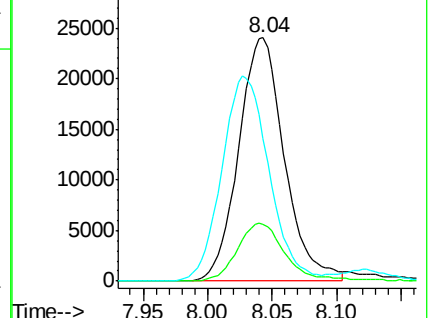
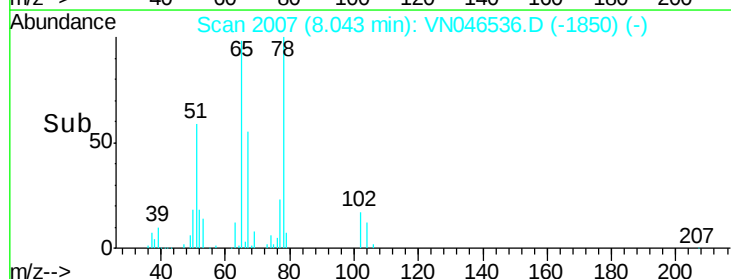
51 55.6 25.4 38.0#

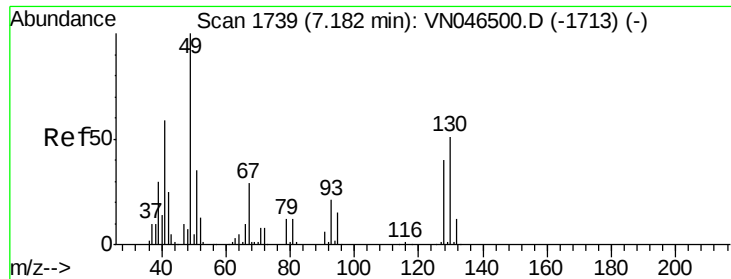


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

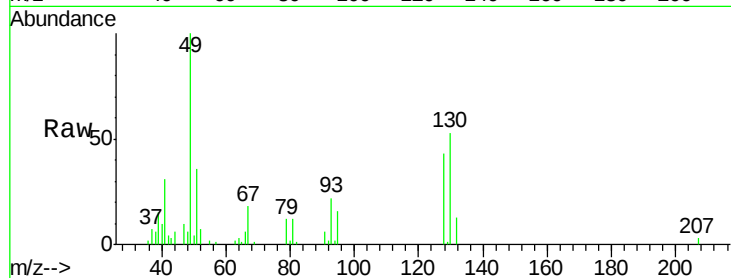




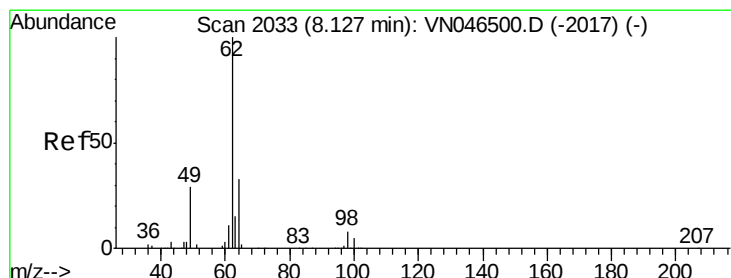
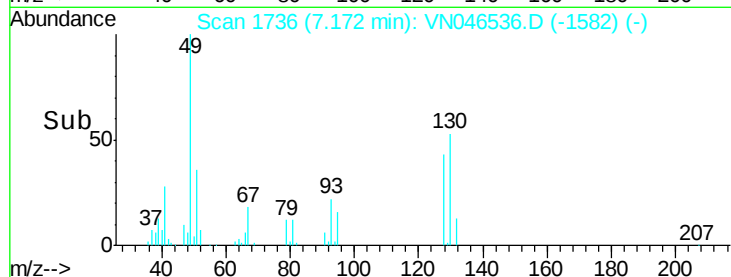
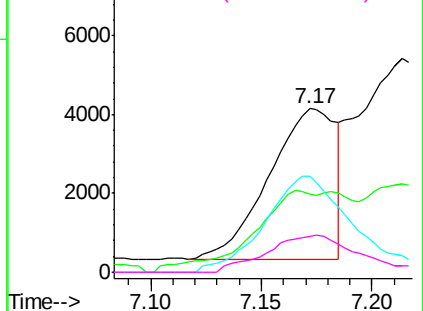
#35
Methacrylonitrile
Concen: 4.64 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	8019
Ion	Ratio	Lower	Upper
41	100		
39	45.0	26.6	79.8
67	63.5	28.0	83.9
52	24.1	12.7	38.1

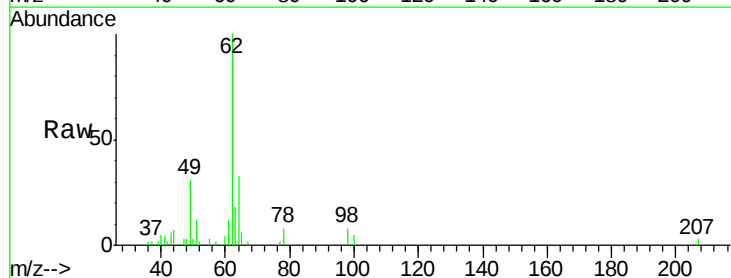


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

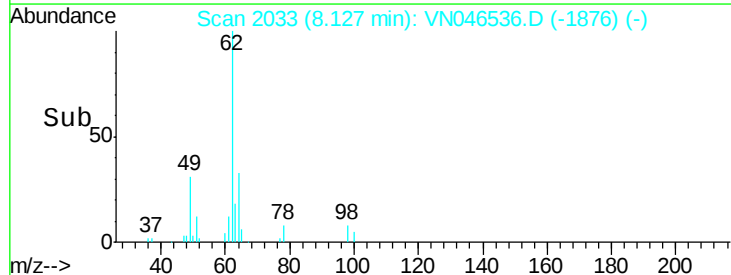
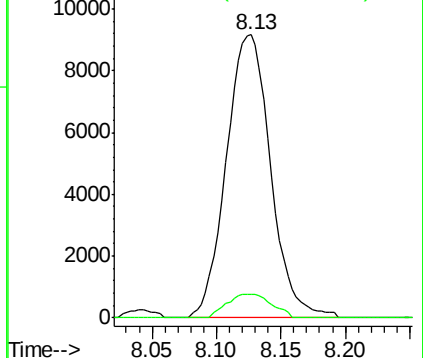


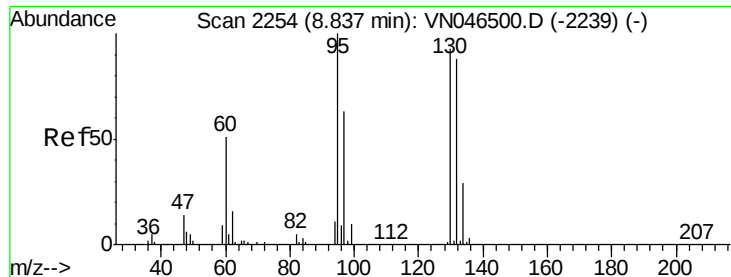
#36
1,2-Dichloroethane
Concen: 4.79 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion:	62	Resp:	21887
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.7	10.1



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

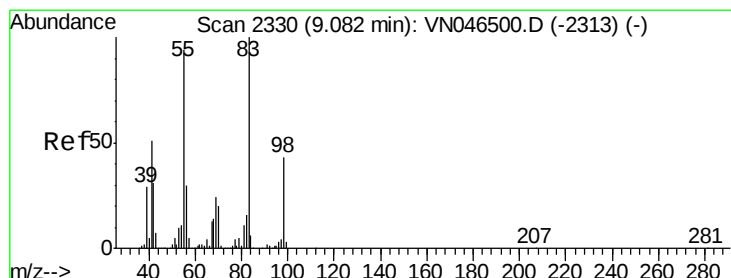
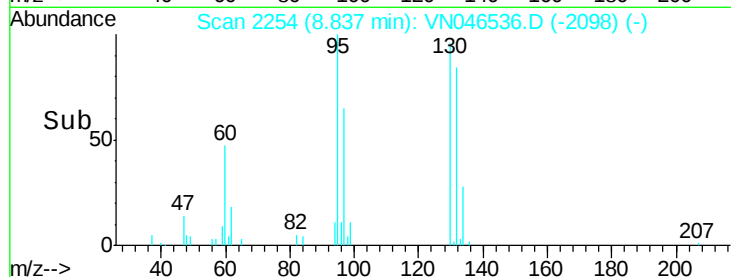
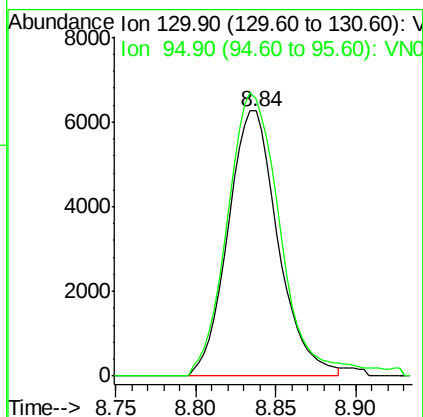
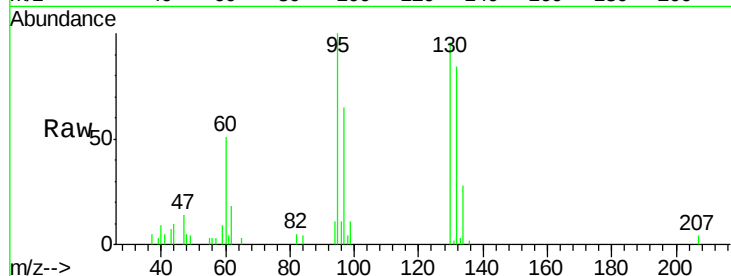




#37
 Trichloroethene
 Concen: 4.82 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

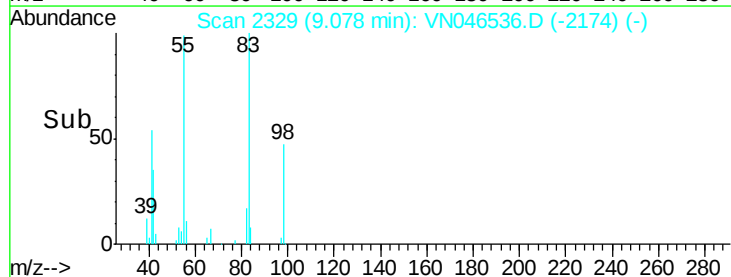
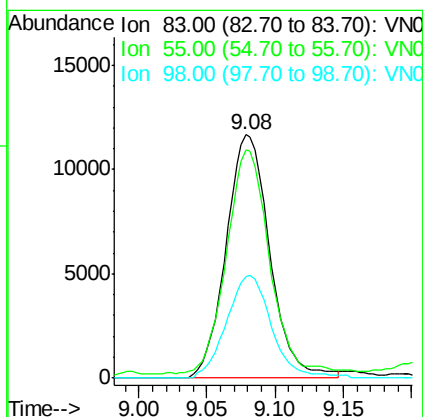
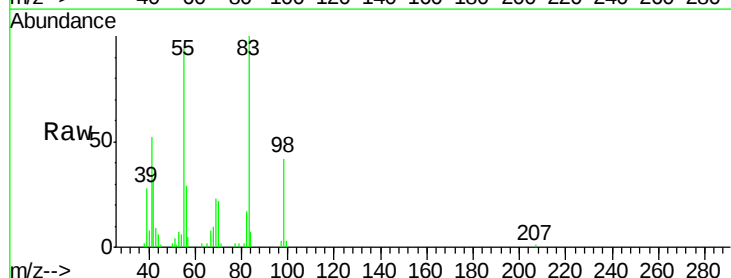
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

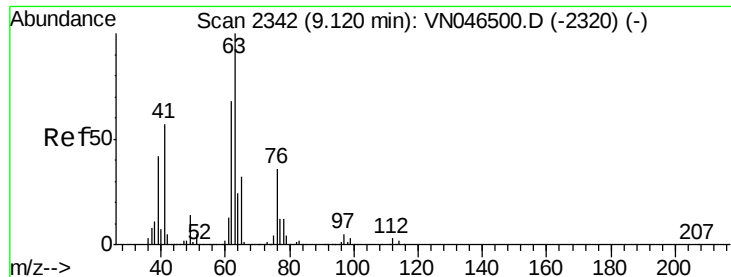
Tgt Ion:130 Resp: 13389
 Ion Ratio Lower Upper
 130 100
 95 104.4 90.7 136.1



#38
 Methylcyclohexane
 Concen: 5.99 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 83 Resp: 26016
 Ion Ratio Lower Upper
 83 100
 55 87.7 43.9 131.6
 98 42.4 21.1 63.4





#39

1,2-Dichloropropane

Concen: 4.52 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

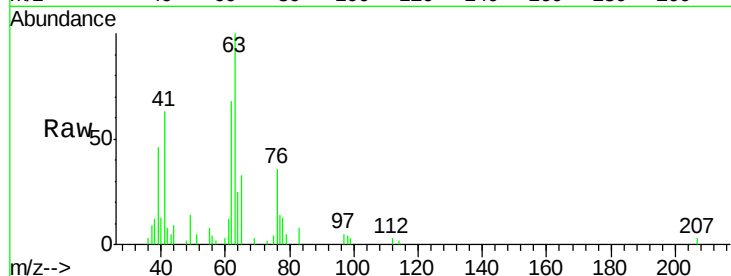
VSTDIC005

Tgt Ion: 63 Resp: 16671

Ion Ratio Lower Upper

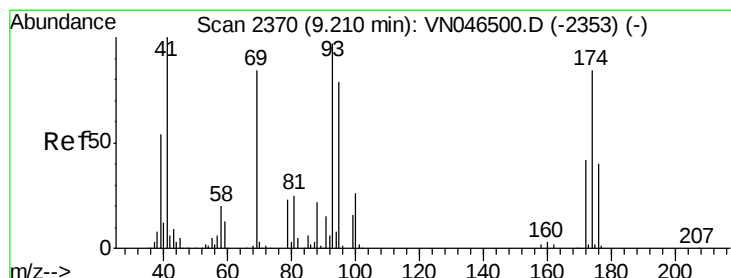
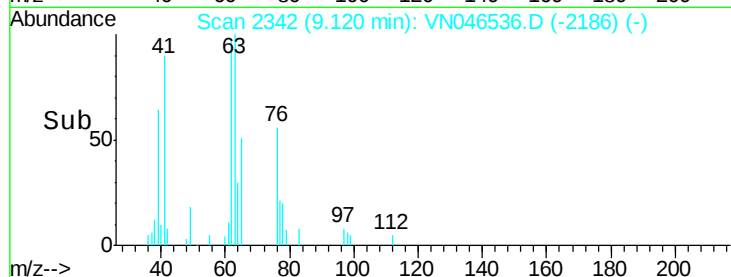
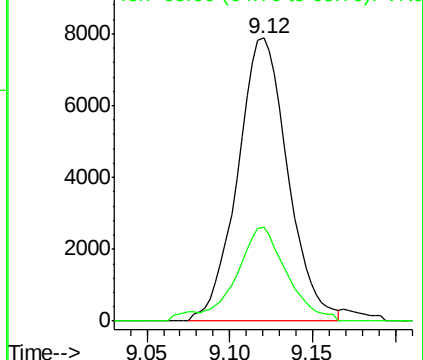
63 100

65 33.1 24.6 37.0



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 4.58 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

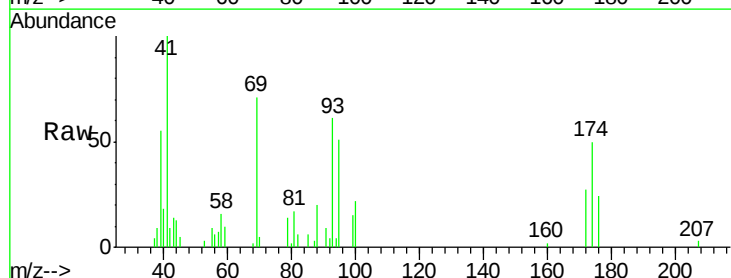
Tgt Ion: 93 Resp: 8776

Ion Ratio Lower Upper

93 100

95 83.0 0.0 169.8

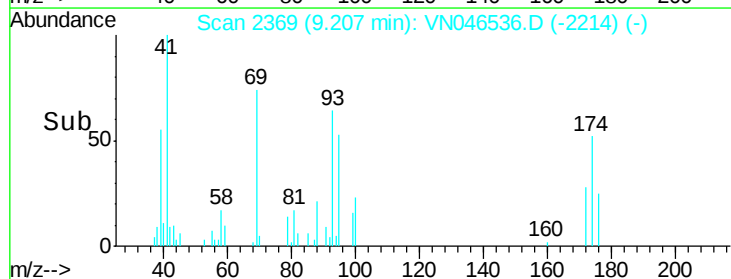
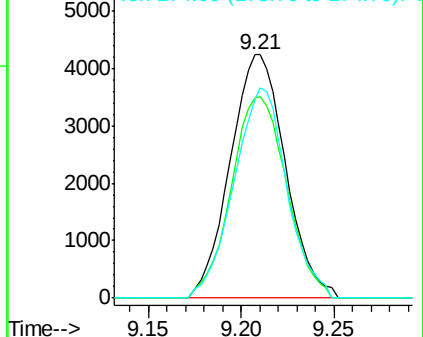
174 82.6 0.0 170.4

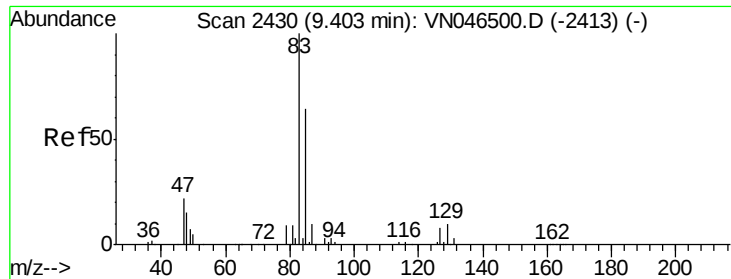


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

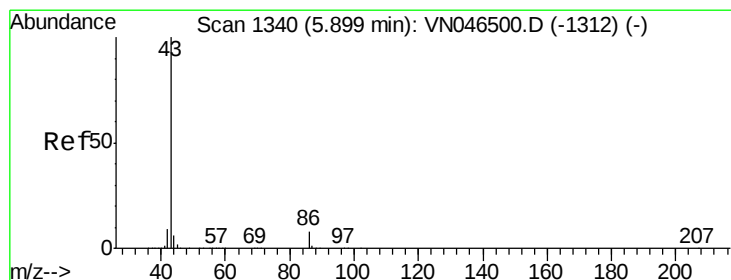
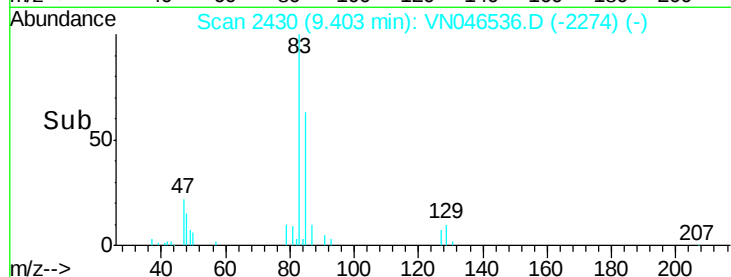
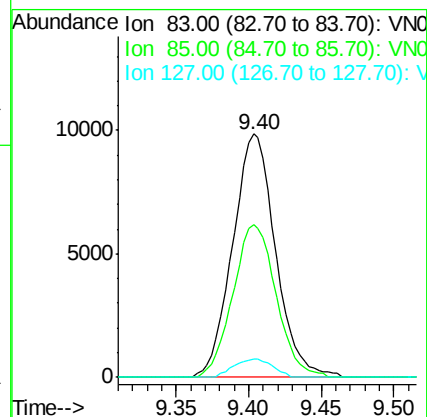
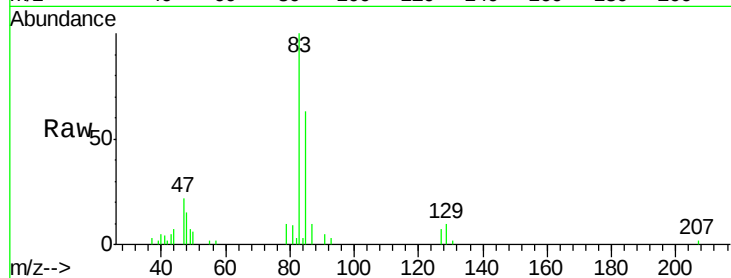




#41
 Bromodichloromethane
 Concen: 4.90 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

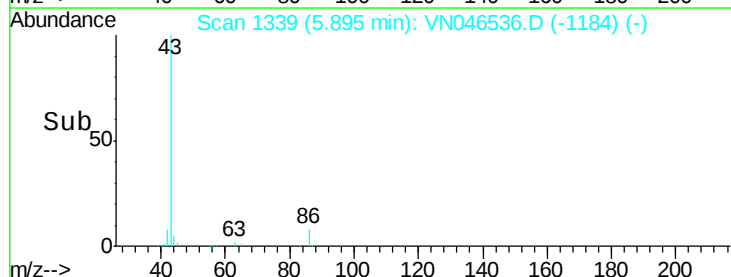
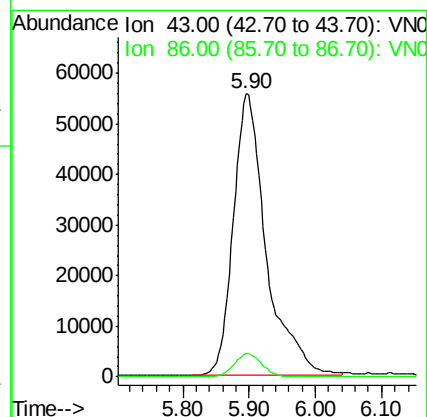
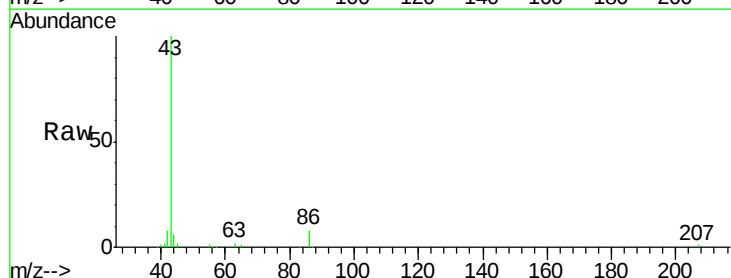
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

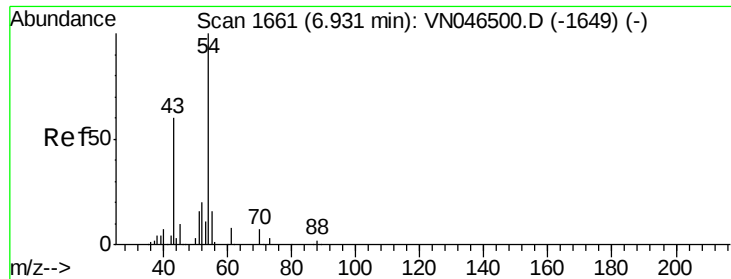
Tgt Ion: 83 Resp: 20221
 Ion Ratio Lower Upper
 83 100
 85 62.5 53.6 80.4
 127 7.4 6.0 9.0



#42
 Vinyl Acetate
 Concen: 25.97 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 43 Resp: 192039
 Ion Ratio Lower Upper
 43 100
 86 6.9 5.7 8.5

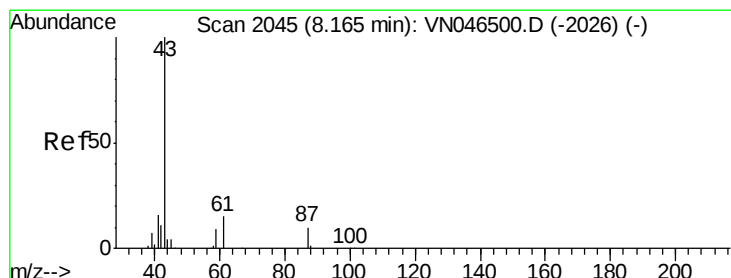
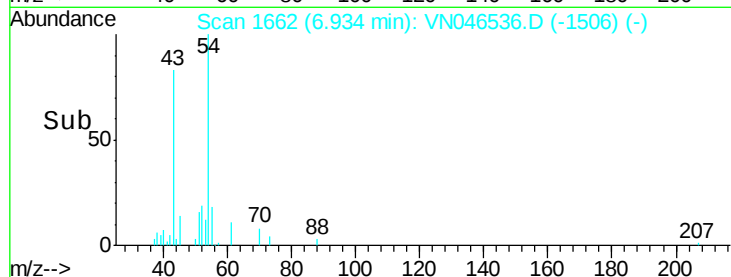
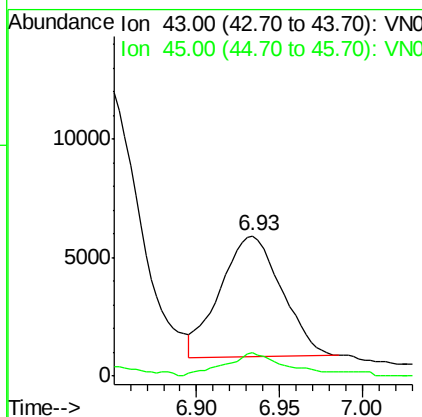
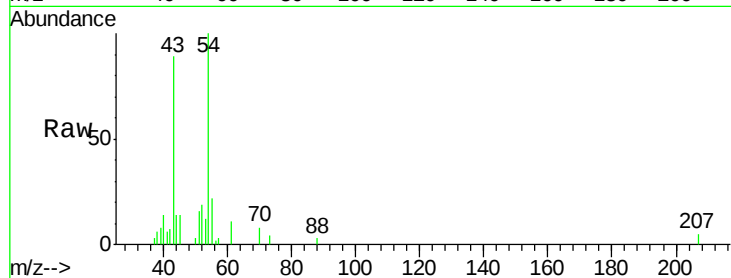




#43
Ethyl Acetate
Concen: 4.27 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

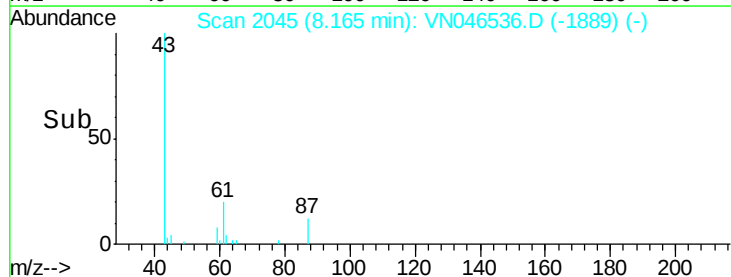
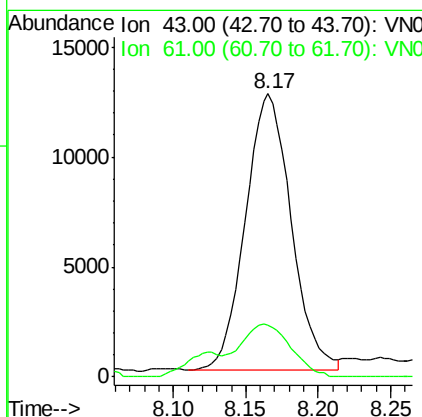
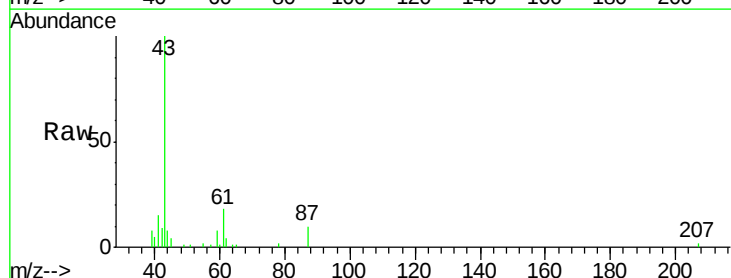
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

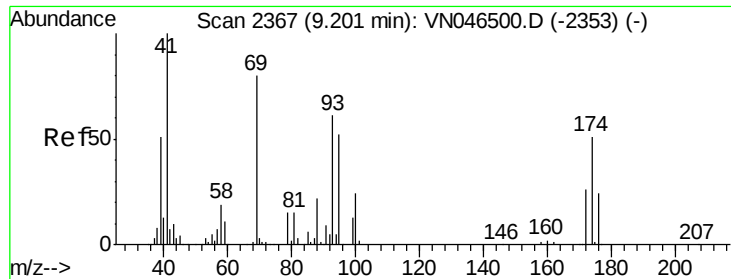
Tgt Ion: 43 Resp: 13059
Ion Ratio Lower Upper
43 100
45 17.1 10.4 15.6#



#44
Isopropyl Acetate
Concen: 5.22 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion: 43 Resp: 27448
Ion Ratio Lower Upper
43 100
61 19.9 15.0 22.6

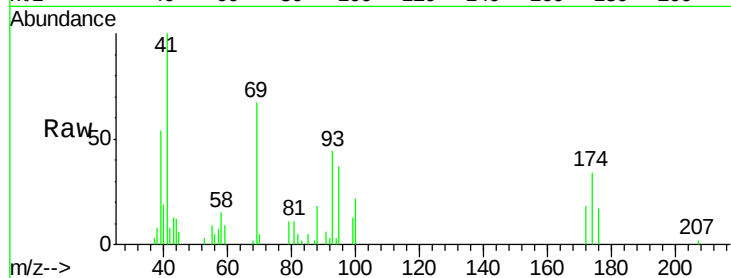




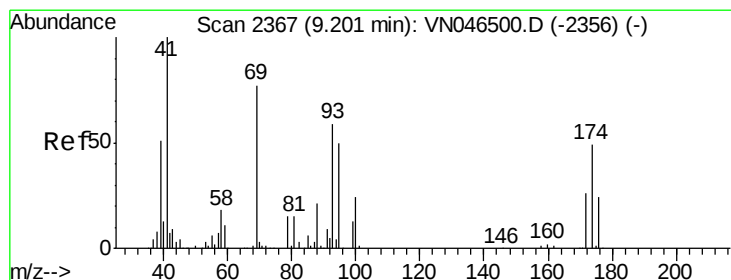
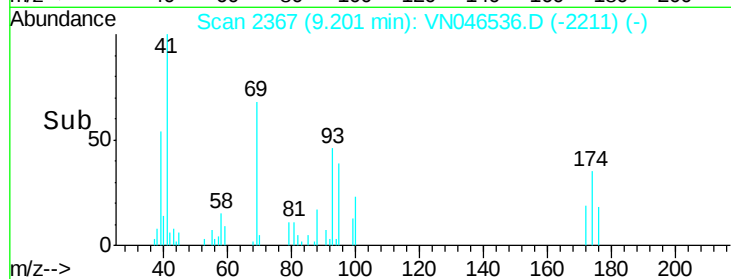
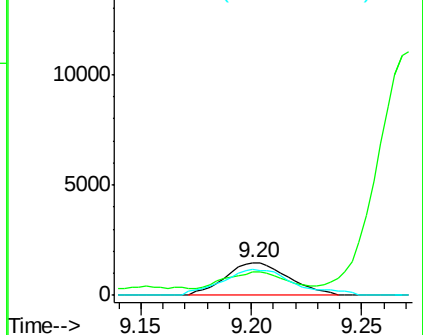
#45
1,4-Dioxane
Concen: 101.48 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 88 Resp: 2970
Ion Ratio Lower Upper
88 100
43 45.7 35.2 52.8
58 90.2 71.2 106.8

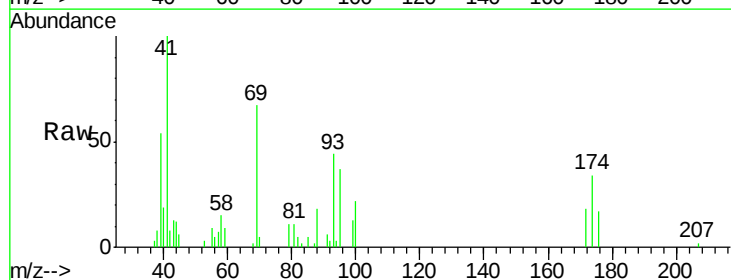


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

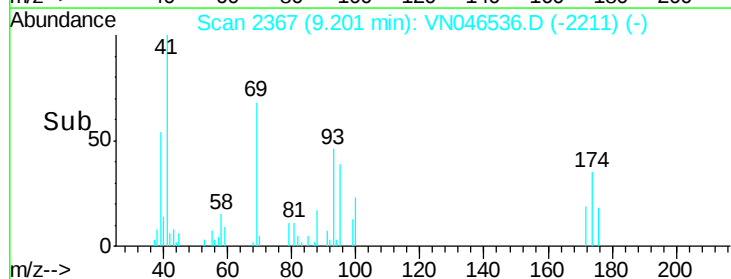
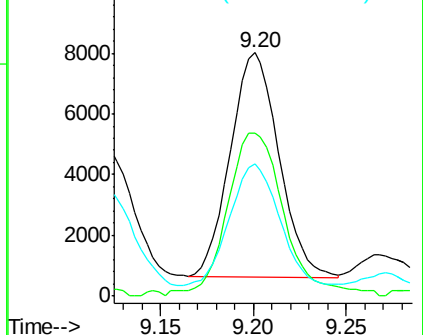


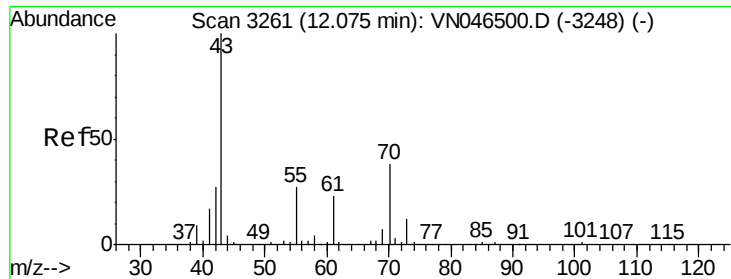
#46
Methyl methacrylate
Concen: 5.61 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion: 41 Resp: 13501
Ion Ratio Lower Upper
41 100
69 70.5 36.0 108.0
39 53.5 27.6 82.8



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

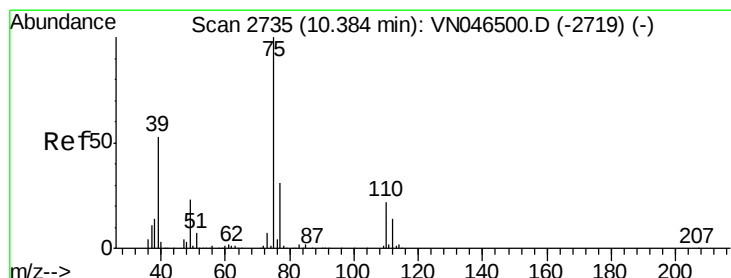
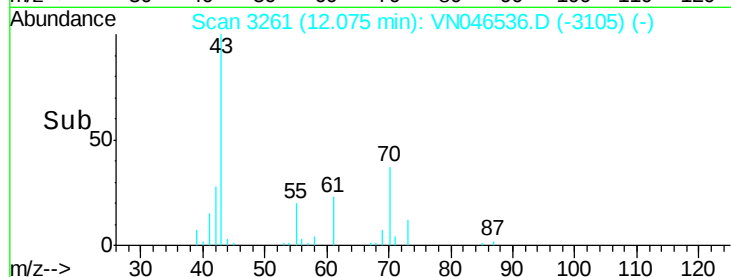
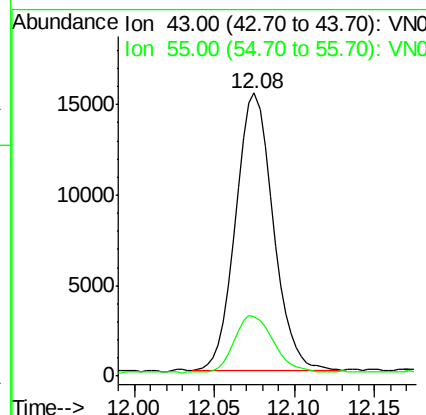
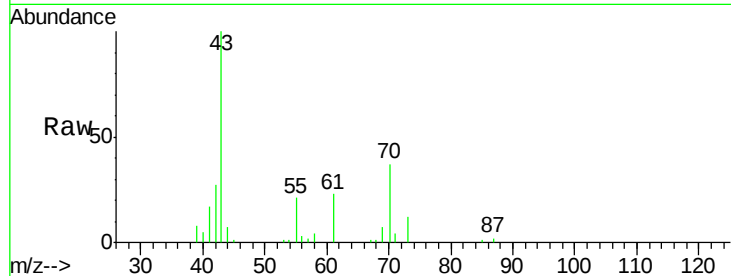




#47
n-amyl Acetate
Concen: 4.96 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

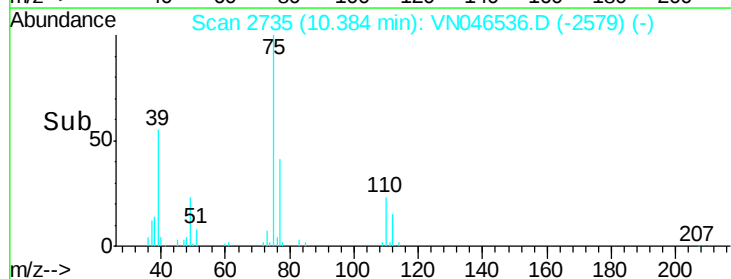
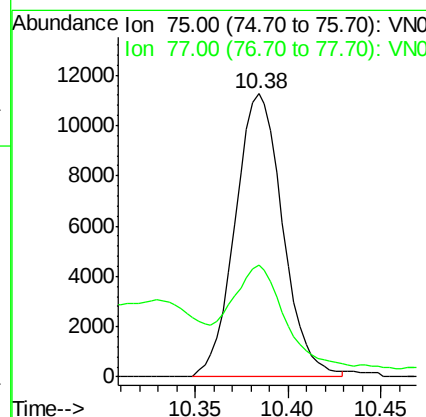
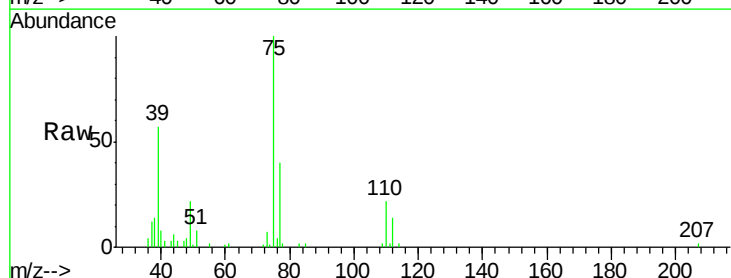
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

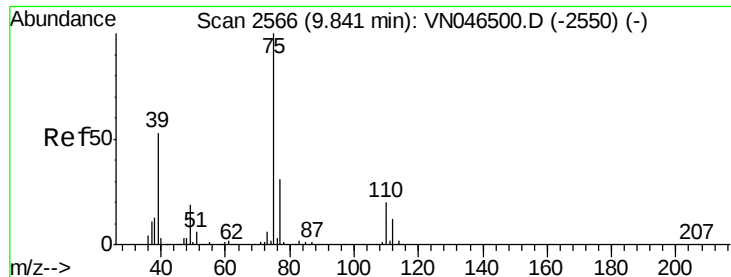
Tgt Ion: 43 Resp: 24481
Ion Ratio Lower Upper
43 100
55 21.0 17.6 26.4



#48
t-1,3-Dichloropropene
Concen: 4.73 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion: 75 Resp: 20113
Ion Ratio Lower Upper
75 100
77 35.1 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 4.81 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

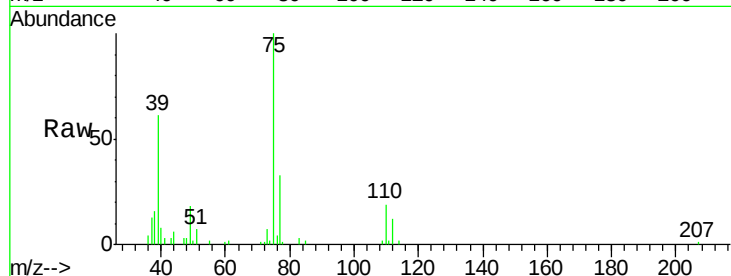
Tgt Ion: 75 Resp: 23902

Ion Ratio Lower Upper

75 100

77 33.3 25.0 37.4

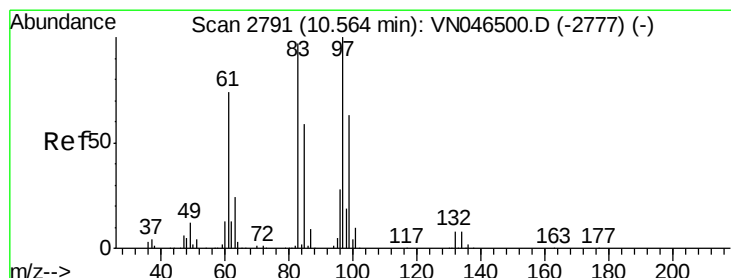
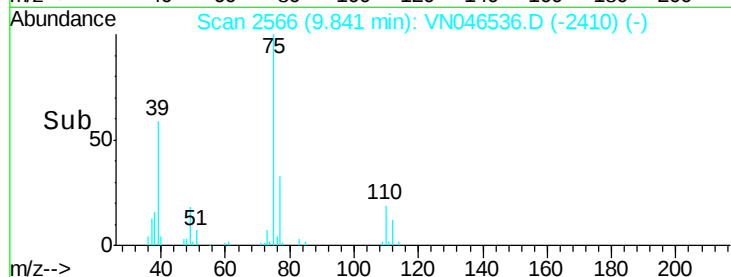
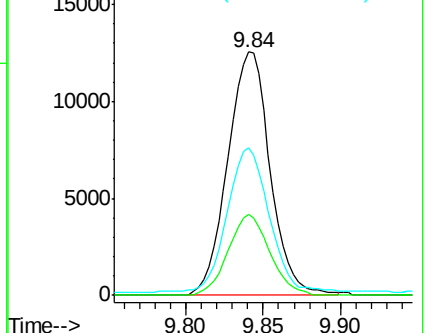
39 58.7 45.1 67.7



Abundance Ion 75.00 (74.70 to 75.70): VN046536.D (-2410) (-)

Ion 77.00 (76.70 to 77.70): VN046536.D (-2410) (-)

Ion 39.00 (38.70 to 39.70): VN046536.D (-2410) (-)



#50

1,1,2-Trichloroethane

Concen: 4.64 ug/l

RT: 10.57 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Tgt Ion: 97 Resp: 12432

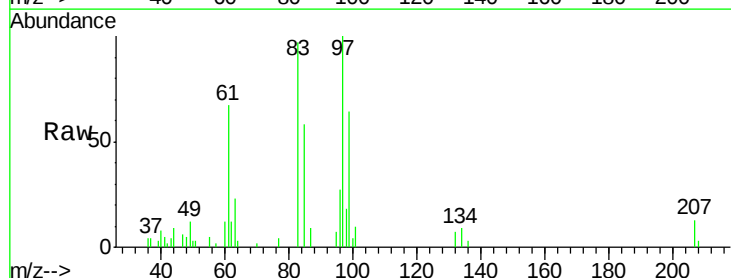
Ion Ratio Lower Upper

97 100

83 96.6 74.8 112.2

85 58.4 47.5 71.3

99 63.9 49.4 74.0

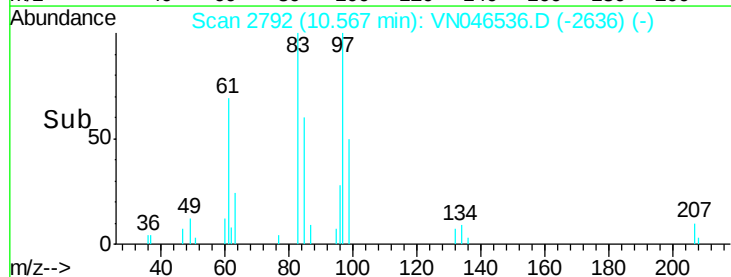
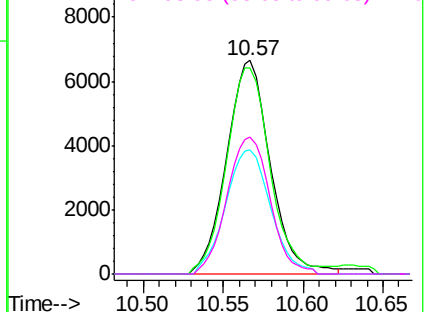


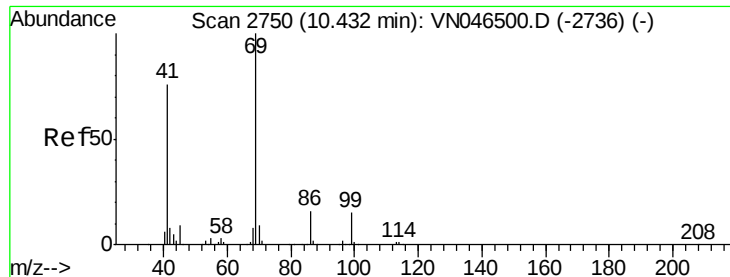
Abundance Ion 97.00 (96.70 to 97.70): VN046536.D (-2636) (-)

Ion 82.95 (82.65 to 83.65): VN046536.D (-2636) (-)

Ion 84.95 (84.65 to 85.65): VN046536.D (-2636) (-)

Ion 98.95 (98.65 to 99.65): VN046536.D (-2636) (-)





#51

Ethyl methacrylate

Concen: 5.84 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

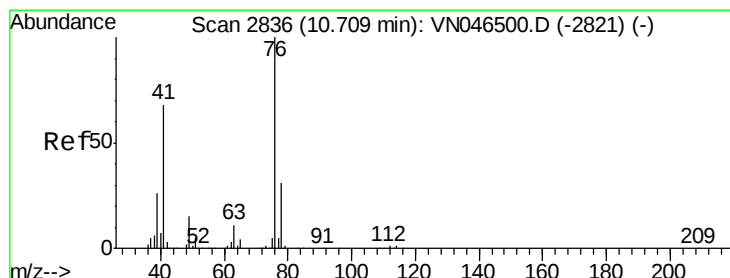
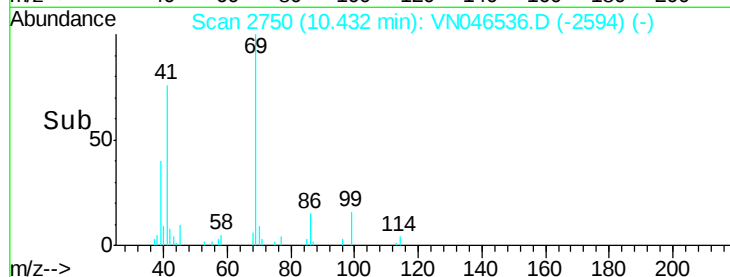
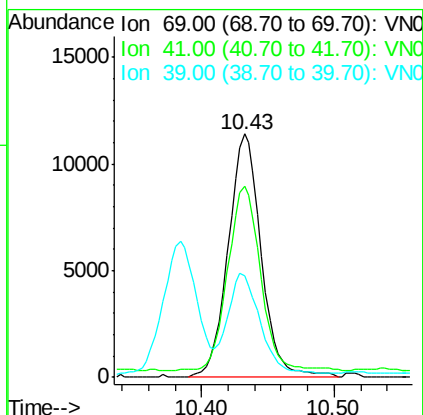
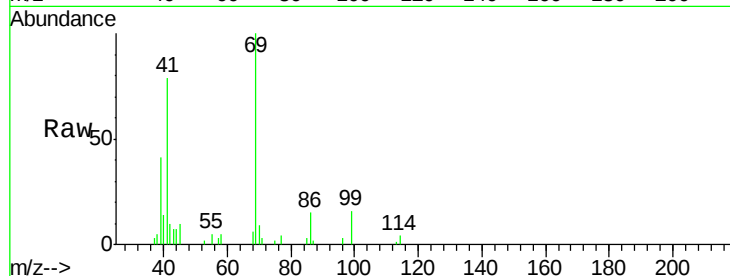
Tgt Ion: 69 Resp: 19783

Ion Ratio Lower Upper

69 100

41 75.7 37.8 113.4

39 39.5 19.3 57.8



#52

1,3-Dichloropropane

Concen: 4.69 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046536.D

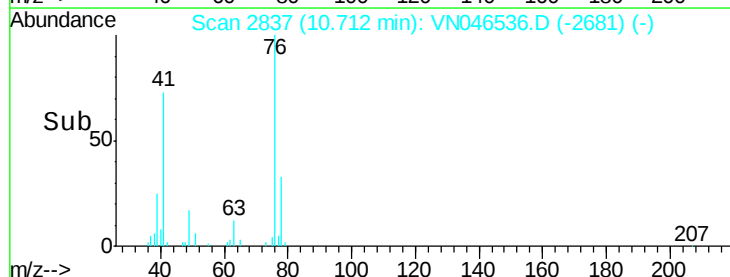
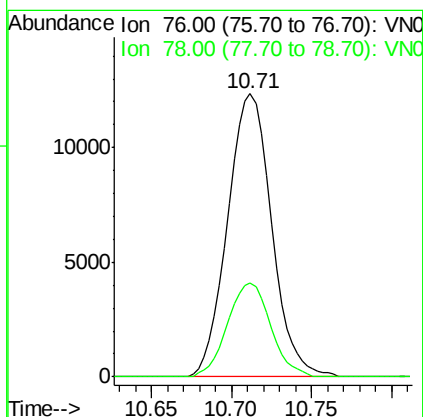
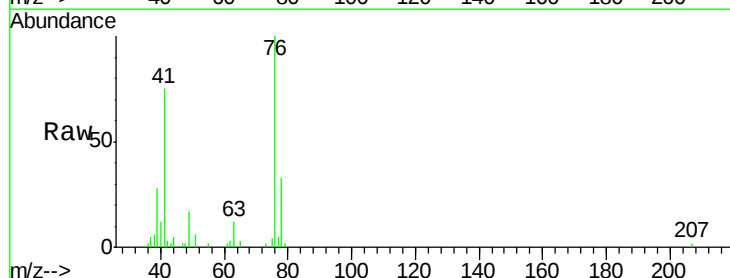
Acq: 24 Jan 2018 10:17

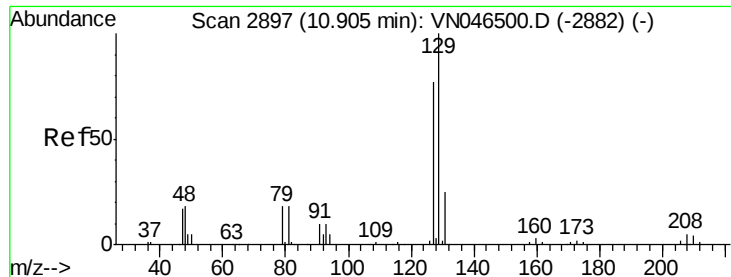
Tgt Ion: 76 Resp: 23218

Ion Ratio Lower Upper

76 100

78 32.3 0.0 63.6





#53

Dibromochloromethane

Concen: 4.68 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

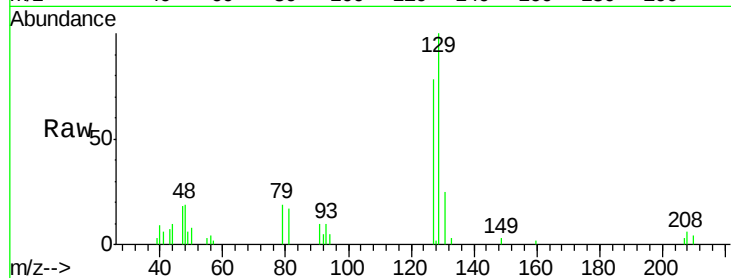
VSTDIC005

Tgt Ion:129 Resp: 12070

Ion Ratio Lower Upper

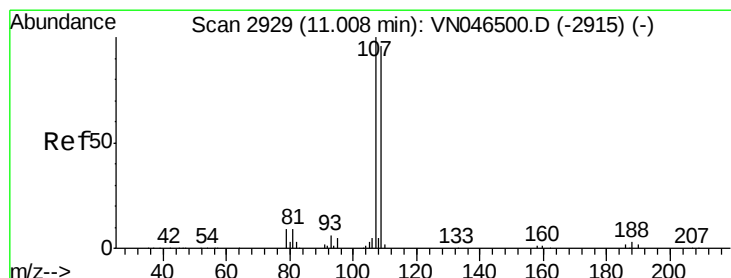
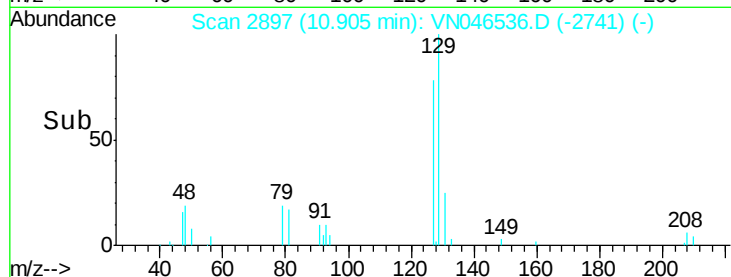
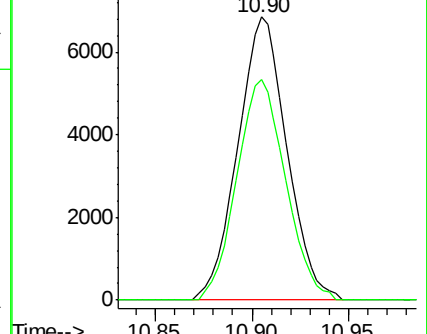
129 100

127 77.4 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.59 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN046536.D

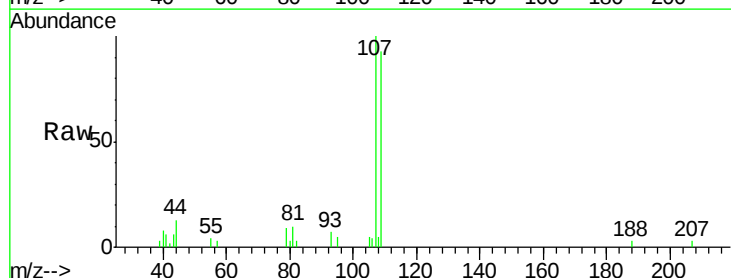
Acq: 24 Jan 2018 10:17

Tgt Ion:107 Resp: 11084

Ion Ratio Lower Upper

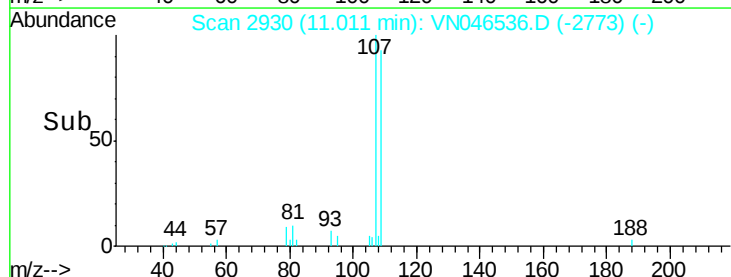
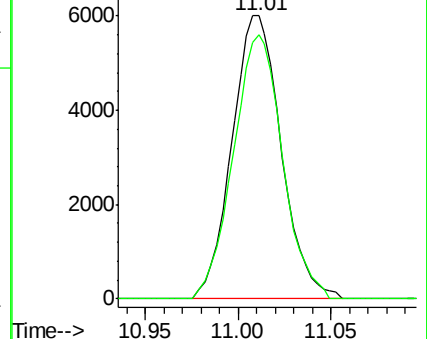
107 100

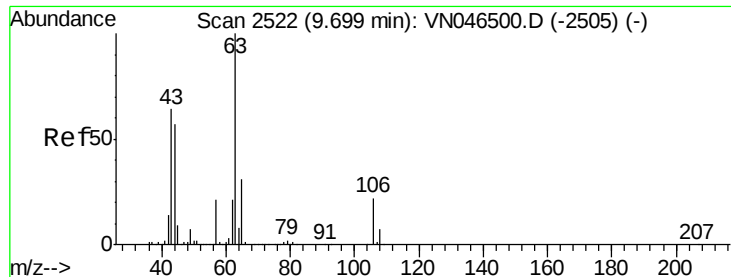
109 93.0 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

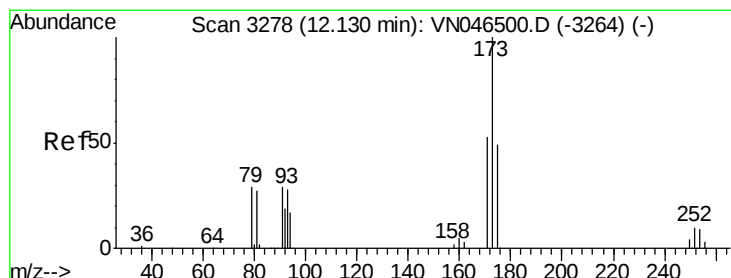
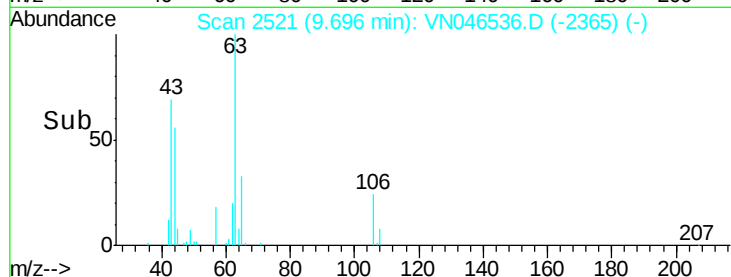
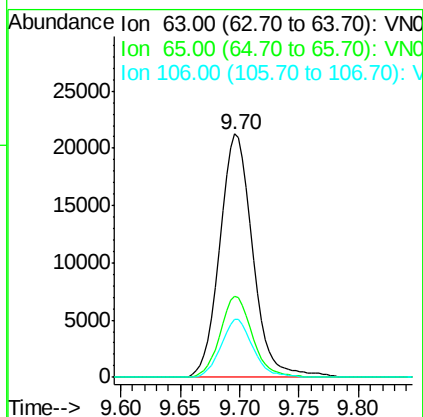
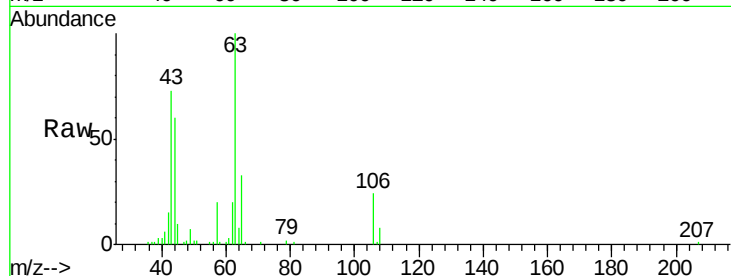




#55
 2-Chloroethyl vinyl ether
 Concen: 23.03 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

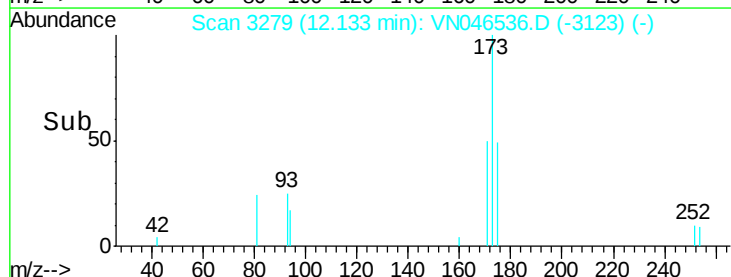
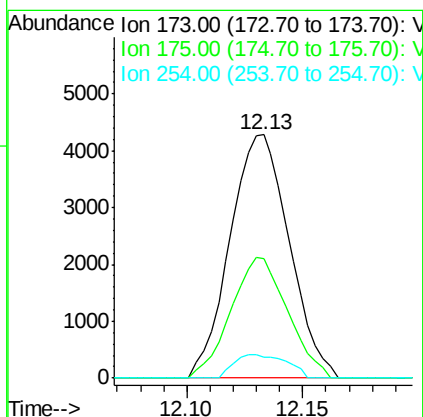
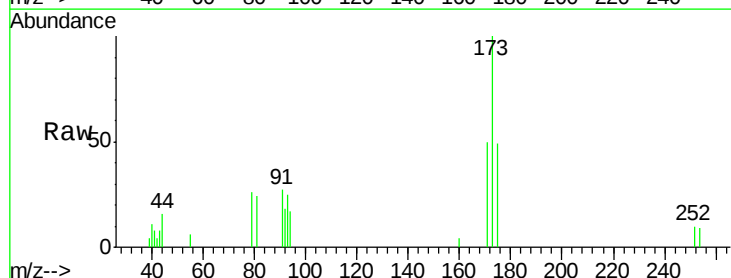
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

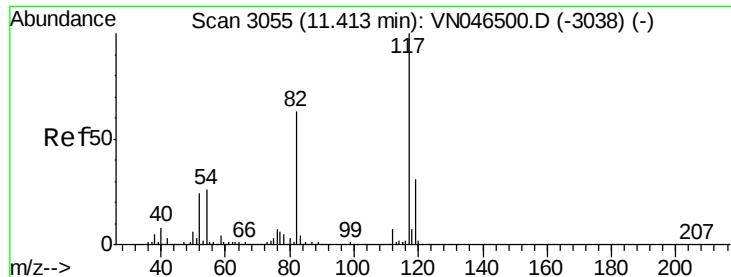
Tgt Ion: 63 Resp: 40960
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.7 38.5
 106 22.8 17.7 26.5



#56
 Bromoform
 Concen: 5.09 ug/l
 RT: 12.13 min Scan# 3279
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 173 Resp: 7594
 Ion Ratio Lower Upper
 173 100
 175 47.6 38.5 57.7
 254 8.5 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: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

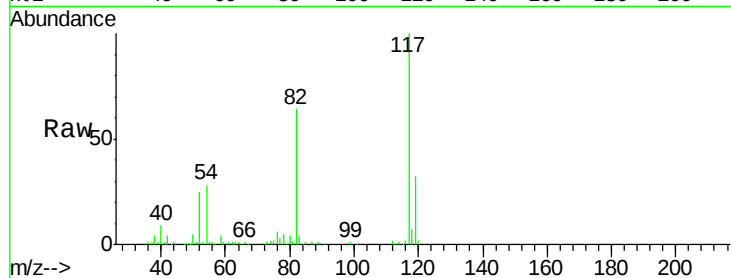
Tgt Ion:117 Resp: 194440

Ion Ratio Lower Upper

117 100

82 63.9 51.5 77.3

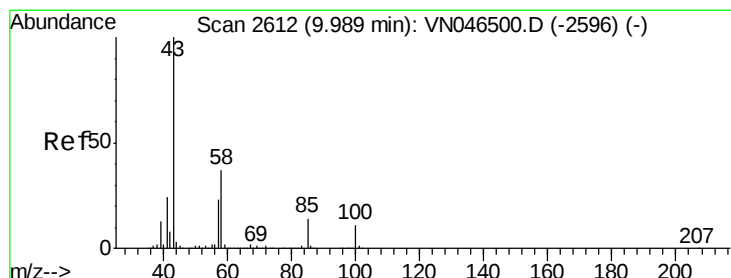
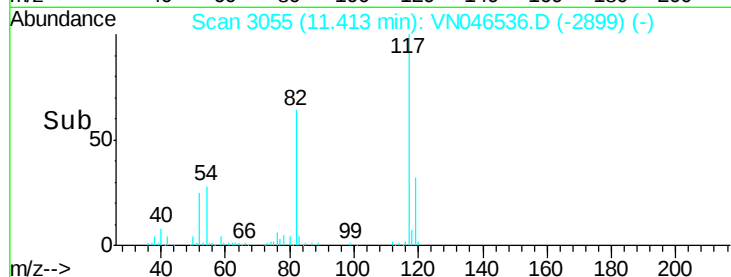
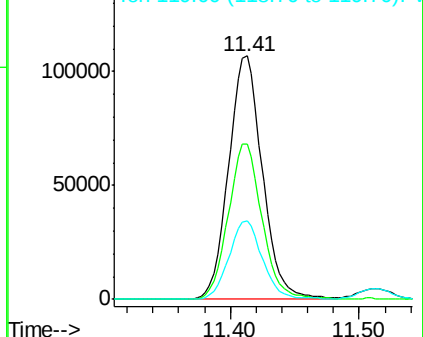
119 31.8 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58

4-Methyl-2-Pentanone

Concen: 27.71 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

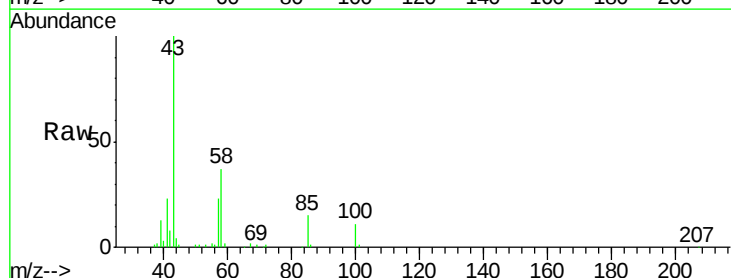
Tgt Ion: 43 Resp: 75016

Ion Ratio Lower Upper

43 100

58 37.1 29.4 44.2

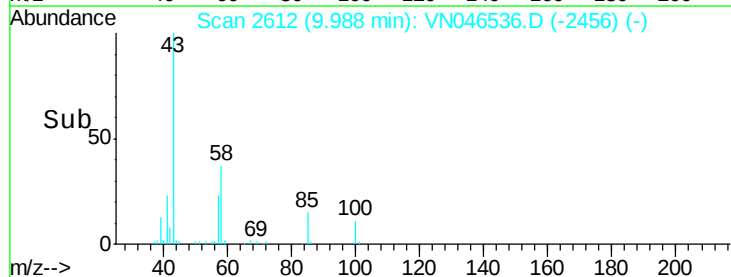
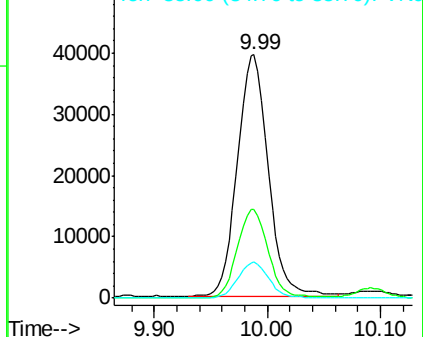
85 15.0 11.5 17.3

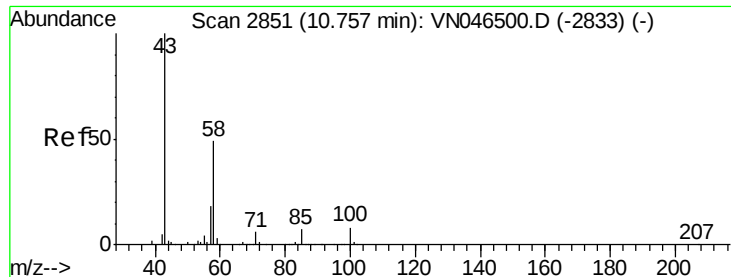


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

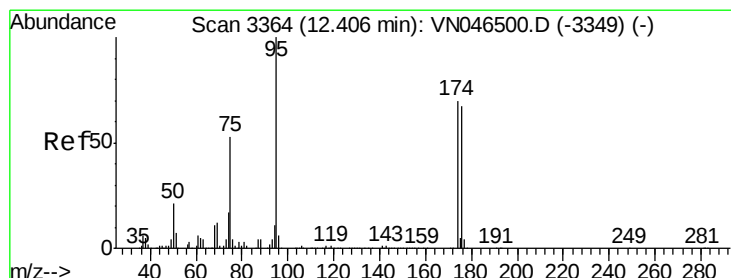
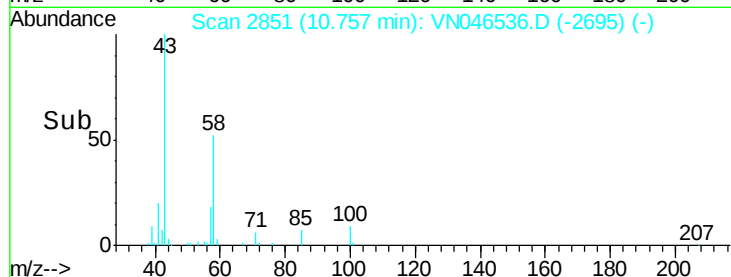
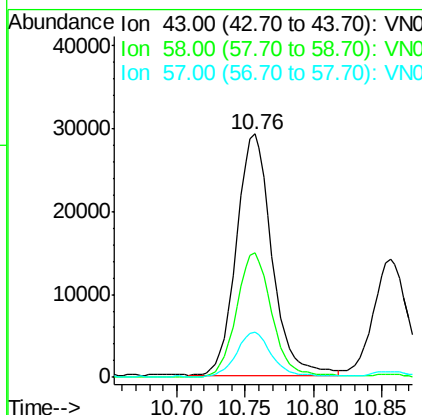
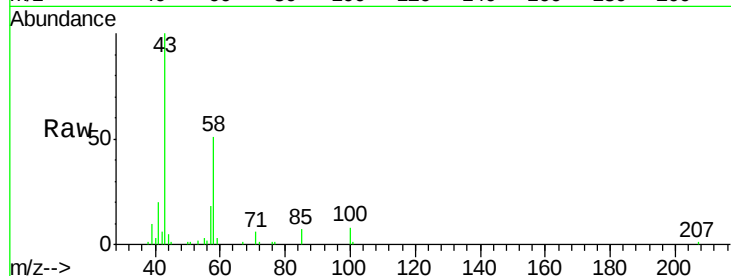




#59
2-Hexanone
Concen: 27.30 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

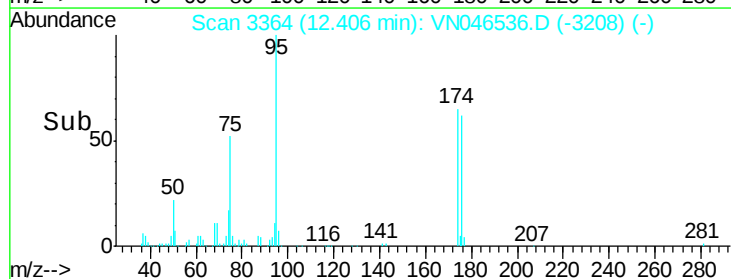
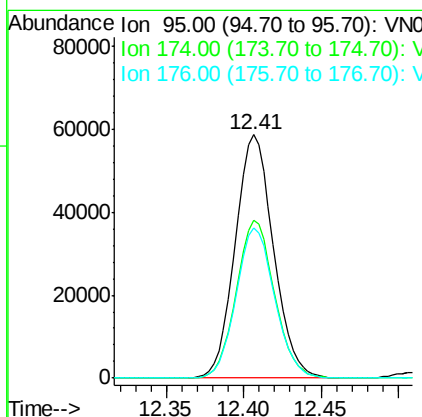
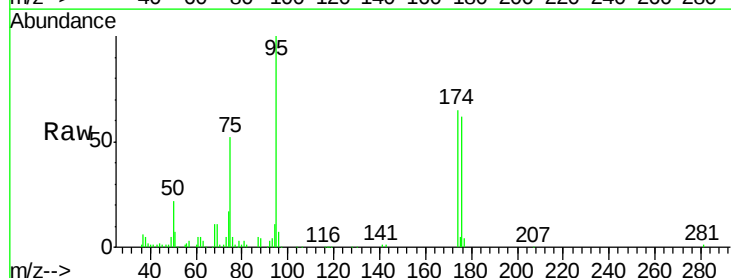
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

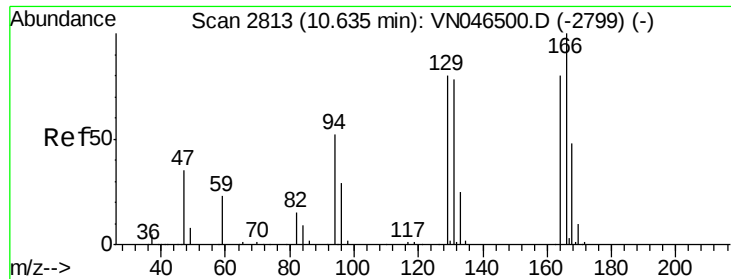
Tgt Ion: 43 Resp: 52369
Ion Ratio Lower Upper
43 100
58 52.0 41.4 62.0
57 19.1 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 30.55 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion: 95 Resp: 100938
Ion Ratio Lower Upper
95 100
174 64.8 52.5 78.7
176 62.2 50.6 75.8





#61

Tetrachloroethene

Concen: 5.16 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 11231

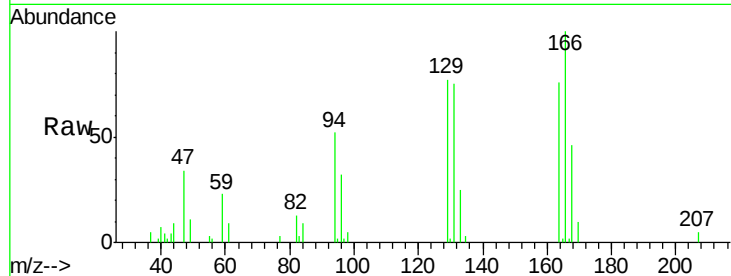
Ion Ratio Lower Upper

164 100

166 130.9 101.6 152.4

129 101.3 83.8 125.6

131 98.2 79.8 119.8

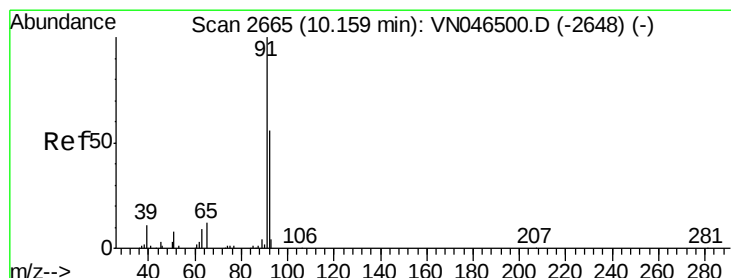
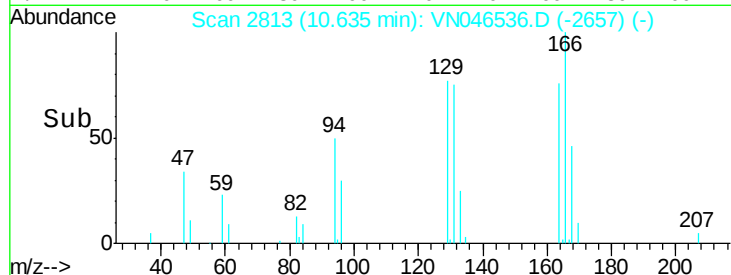
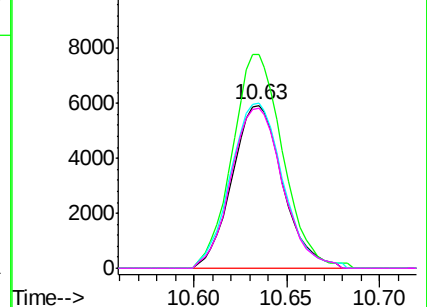


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.11 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN046536.D

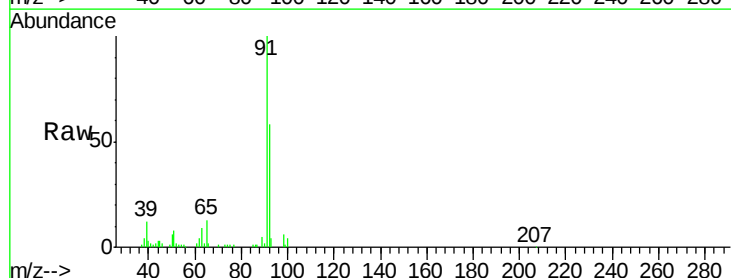
Acq: 24 Jan 2018 10:17

Tgt Ion: 91 Resp: 62358

Ion Ratio Lower Upper

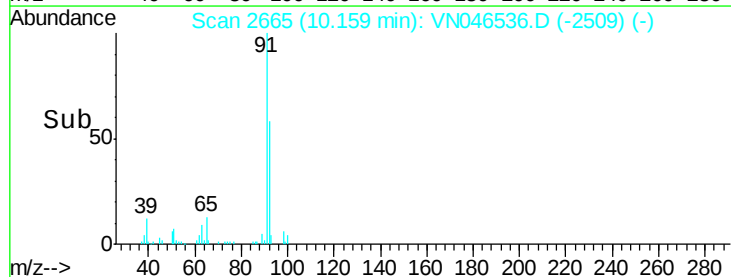
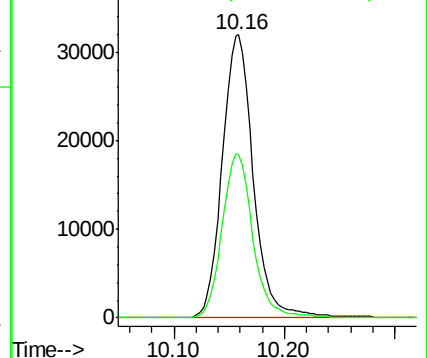
91 100

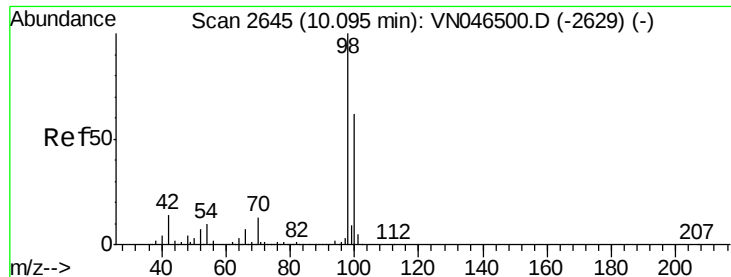
92 57.4 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.30 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

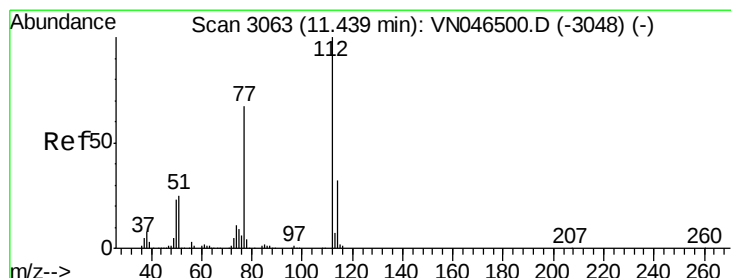
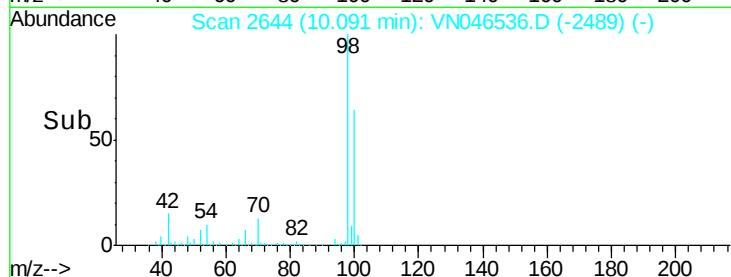
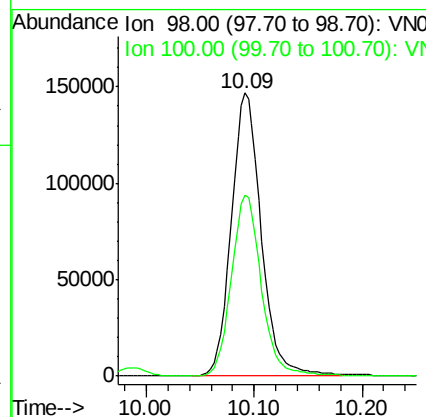
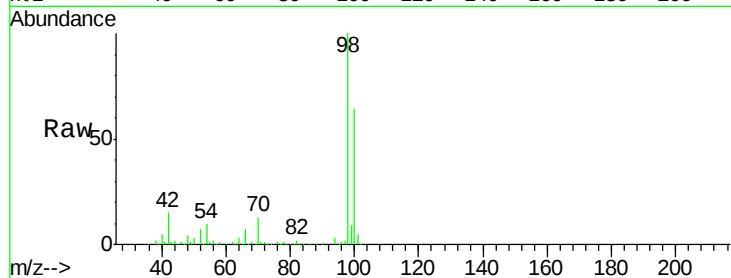
VSTDIC005

Tgt Ion: 98 Resp: 284212

Ion Ratio Lower Upper

98 100

100 64.3 50.8 76.2



#64

Chlorobenzene

Concen: 5.19 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN046536.D

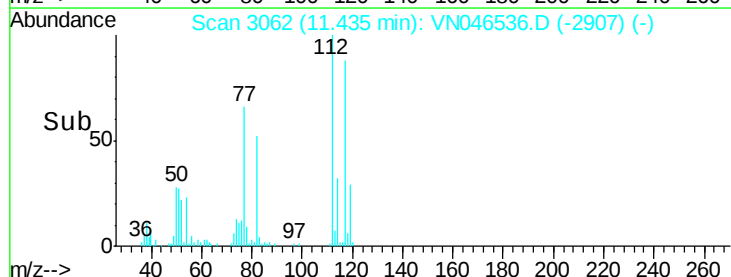
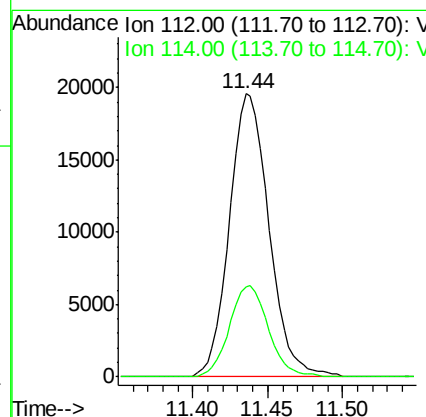
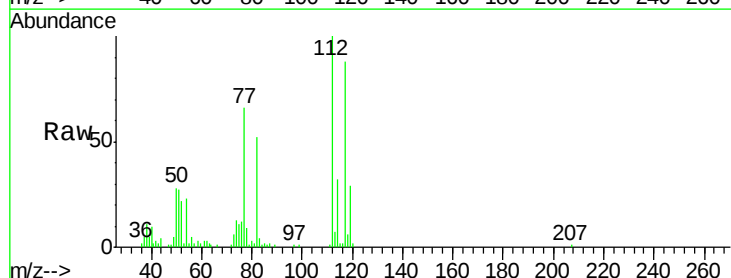
Acq: 24 Jan 2018 10:17

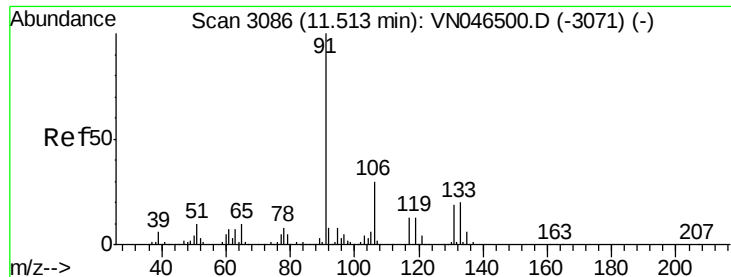
Tgt Ion: 112 Resp: 36079

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 5.08 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

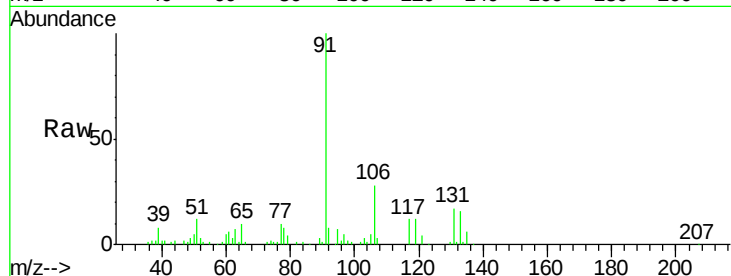
Tgt Ion:131 Resp: 11924

Ion Ratio Lower Upper

131 100

133 95.2 0.0 191.6

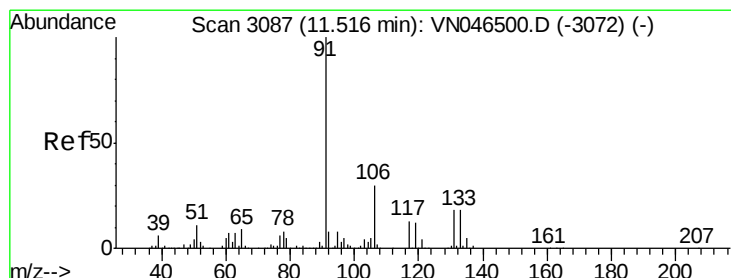
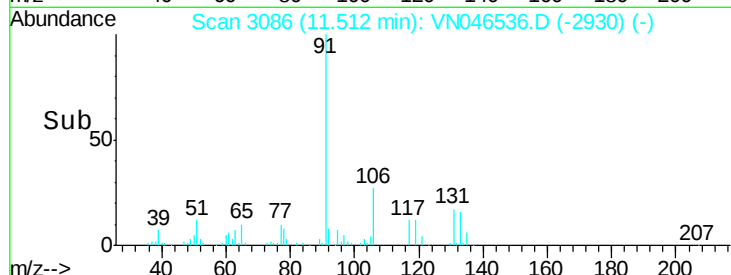
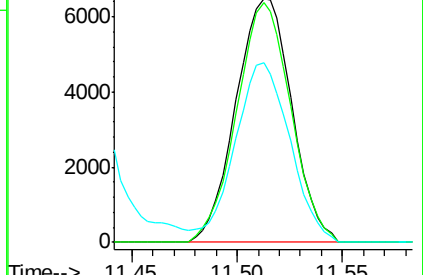
119 72.9 0.0 141.2



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: 5.66 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046536.D

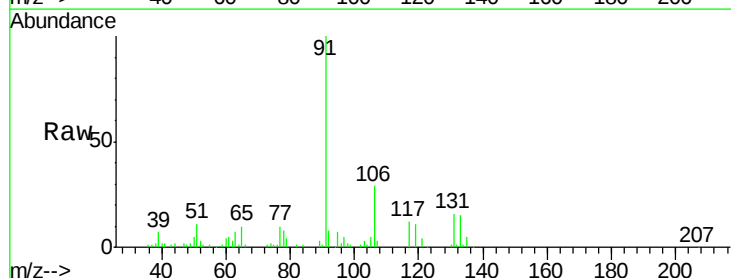
Acq: 24 Jan 2018 10:17

Tgt Ion: 91 Resp: 68338

Ion Ratio Lower Upper

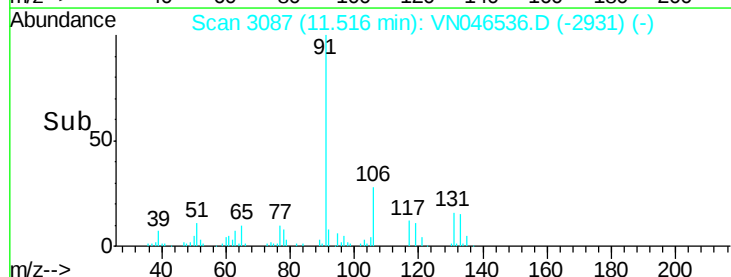
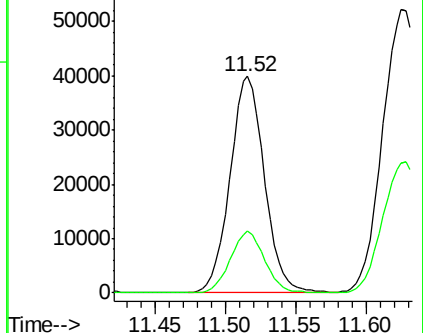
91 100

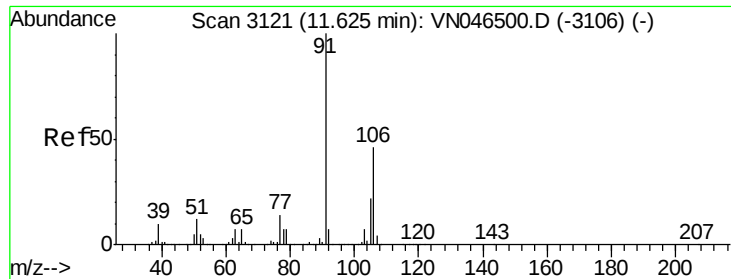
106 28.6 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 10.87 ug/l

RT: 11.63 min Scan# 3122

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

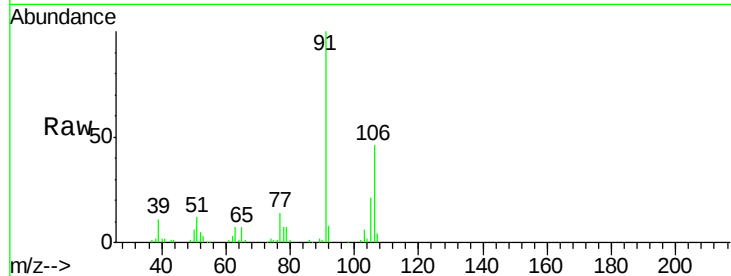
VSTDIC005

Tgt Ion:106 Resp: 48284

Ion Ratio Lower Upper

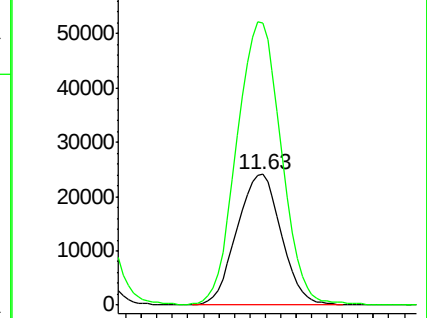
106 100

91 217.0 173.8 260.8

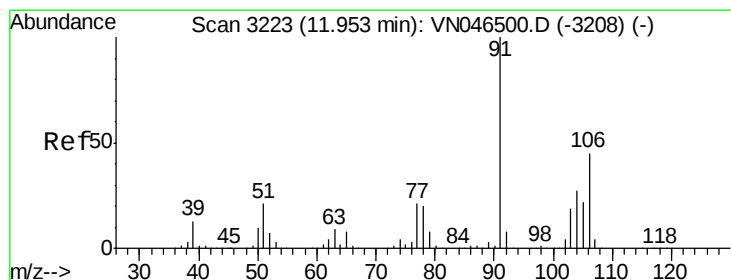
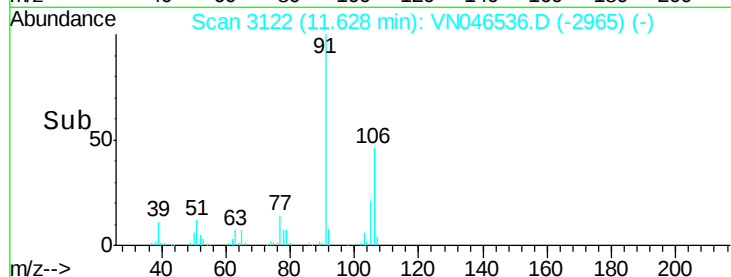


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



Time-->



#68

o-Xylene

Concen: 5.49 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN046536.D

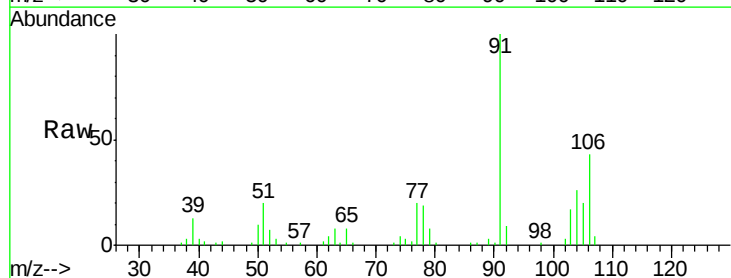
Acq: 24 Jan 2018 10:17

Tgt Ion:106 Resp: 23327

Ion Ratio Lower Upper

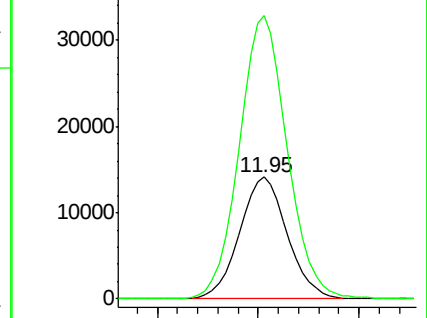
106 100

91 233.5 115.7 346.9

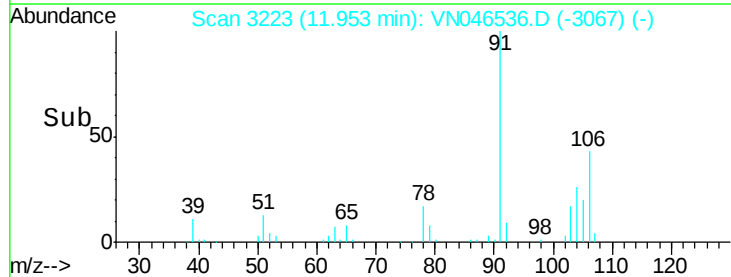


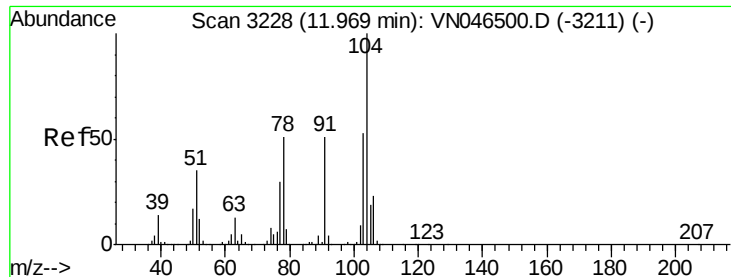
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



Time-->

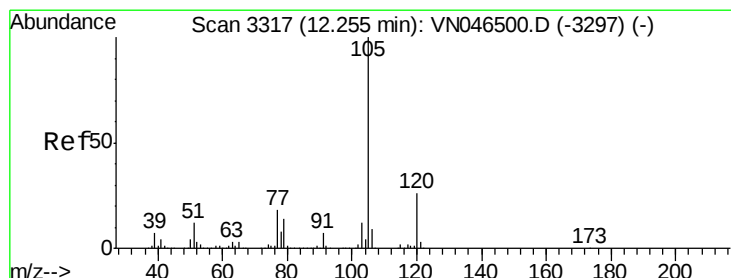
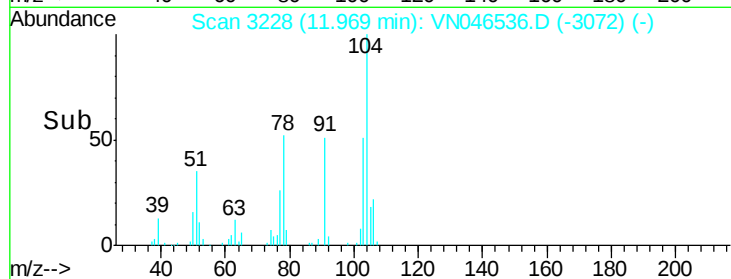
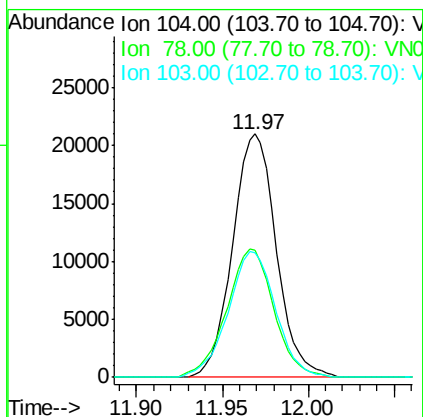
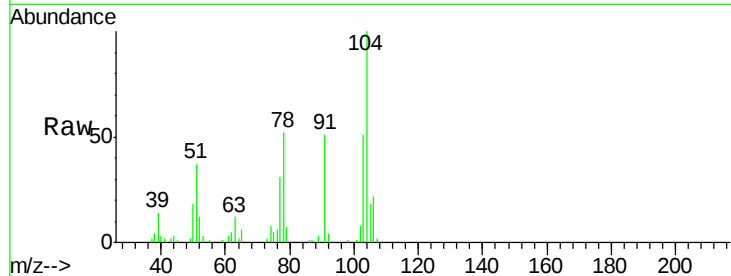




#69
Styrene
Concen: 5.48 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

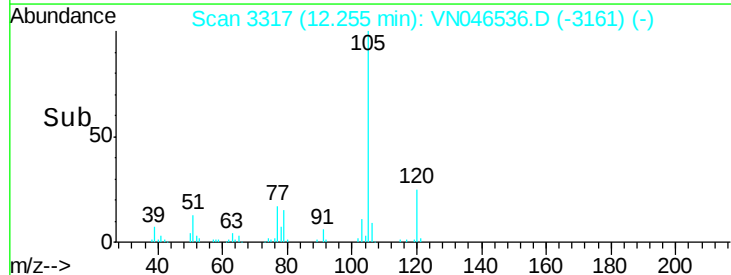
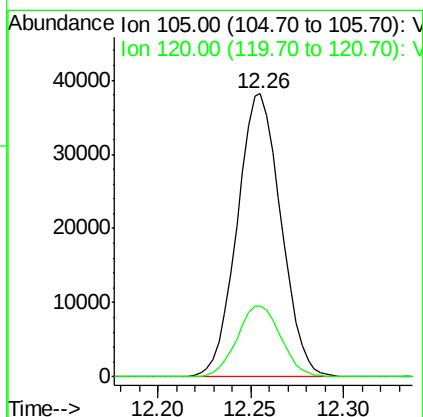
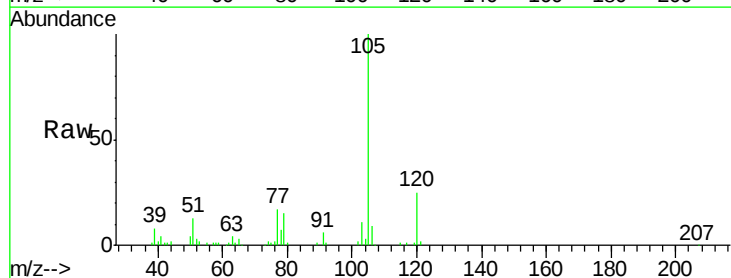
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

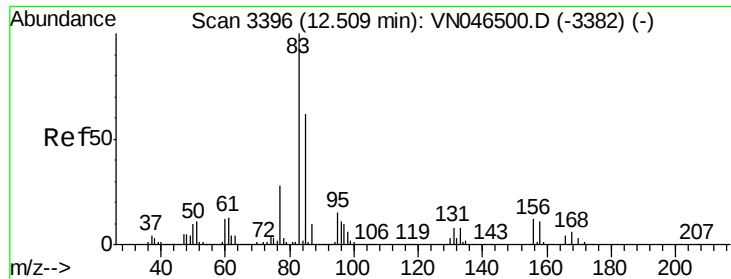
Tgt Ion:104 Resp: 37254
Ion Ratio Lower Upper
104 100
78 57.0 45.5 68.3
103 55.9 45.0 67.4



#70
Isopropylbenzene
Concen: 5.59 ug/l
RT: 12.26 min Scan# 3317
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion:105 Resp: 62560
Ion Ratio Lower Upper
105 100
120 25.1 17.8 33.1

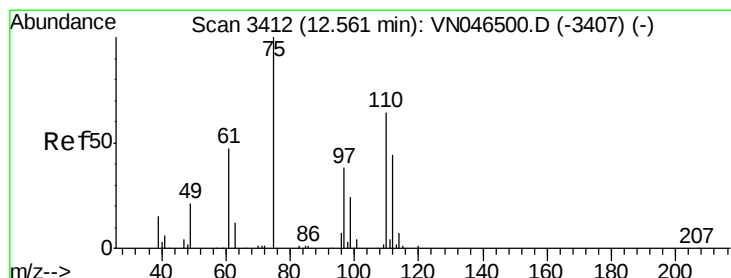
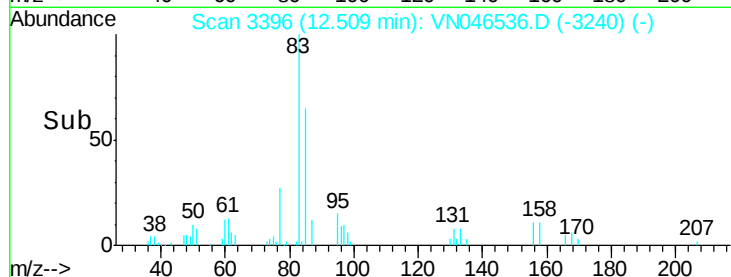
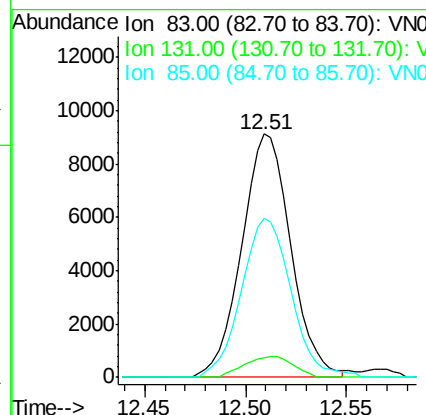
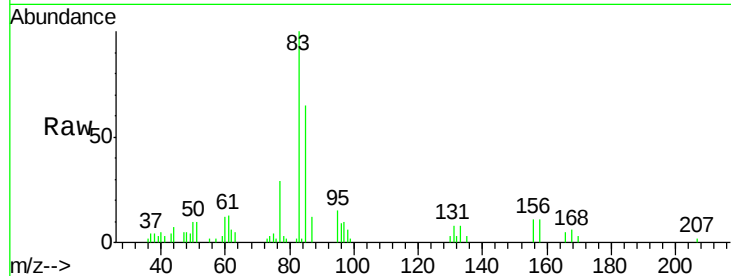




#71
 1,1,2,2-Tetrachloroethane
 Concen: 4.78 ug/l
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

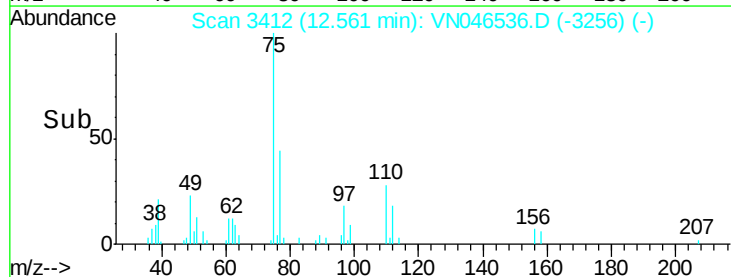
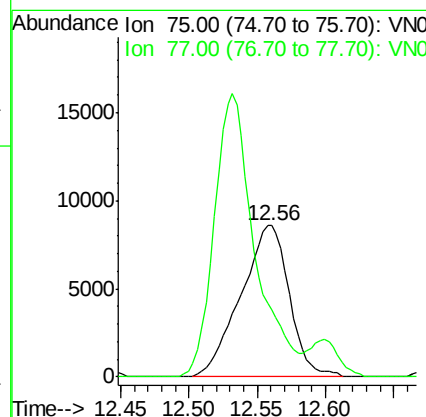
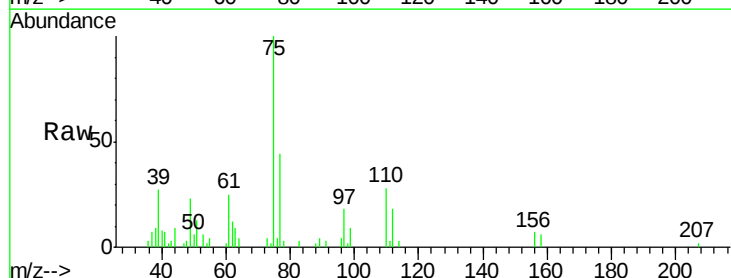
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

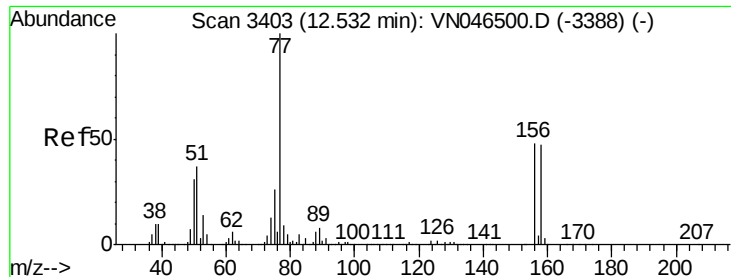
Tgt Ion: 83 Resp: 15557
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.5 13.5
 85 66.2 32.4 97.2



#72
 1,2,3-Trichloropropane
 Concen: 7.97 ug/l
 RT: 12.56 min Scan# 3412
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion: 75 Resp: 21232
 Ion Ratio Lower Upper
 75 100
 77 155.4 0.0 479.2

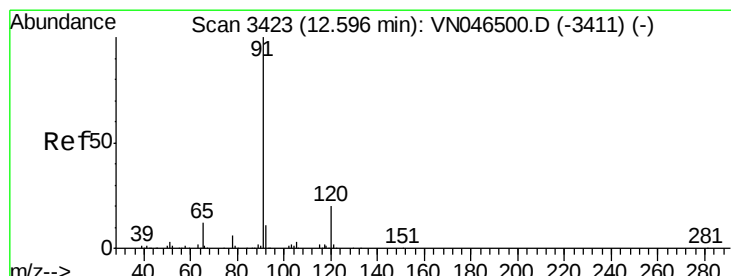
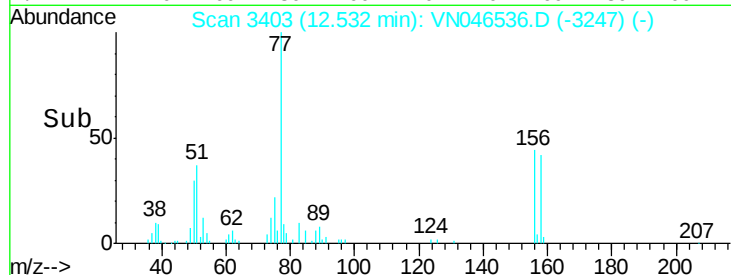
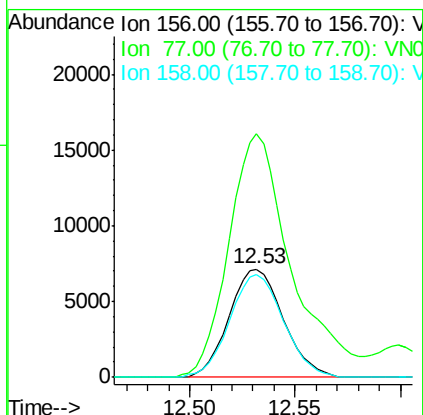
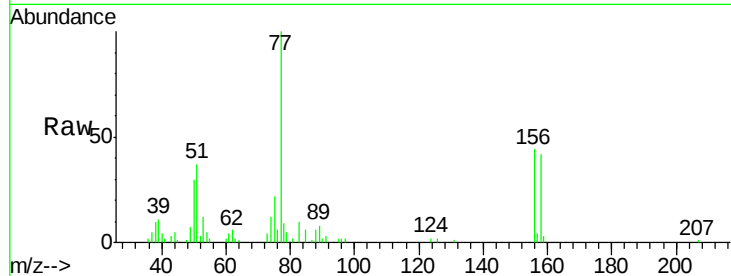




#73
Bromobenzene
Concen: 4.88 ug/l
RT: 12.53 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

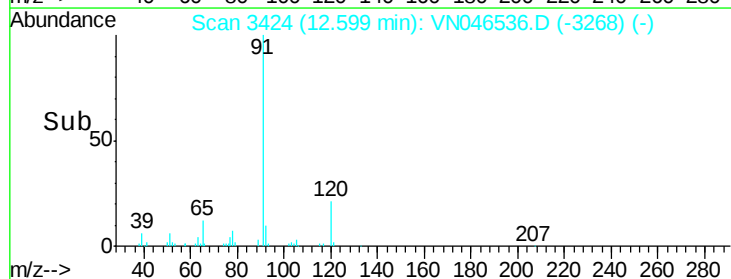
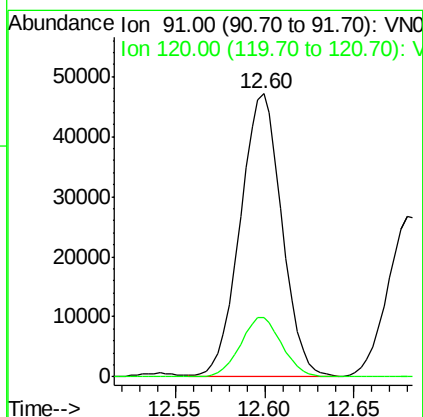
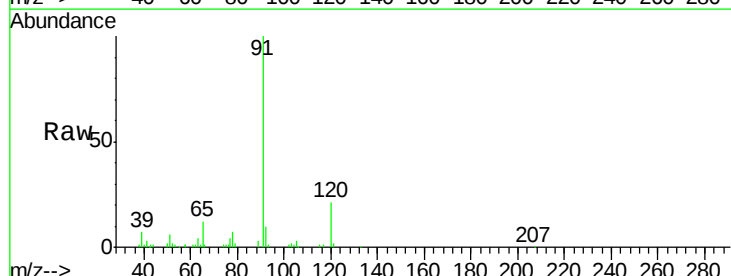
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

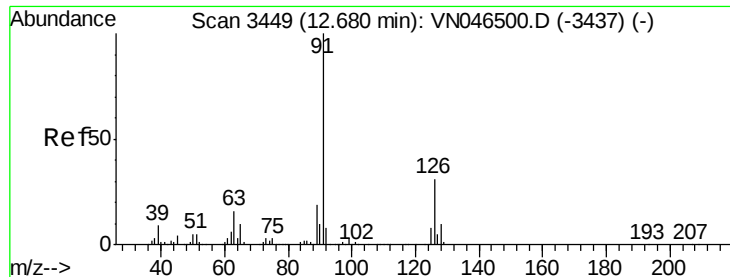
Tgt Ion: 156 Resp: 12748
Ion Ratio Lower Upper
156 100
77 258.9 0.0 516.8
158 94.8 0.0 195.0



#74
n-propylbenzene
Concen: 5.37 ug/l
RT: 12.60 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion: 91 Resp: 77117
Ion Ratio Lower Upper
91 100
120 20.8 0.0 40.8





#75

2-Chlorotoluene

Concen: 5.30 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

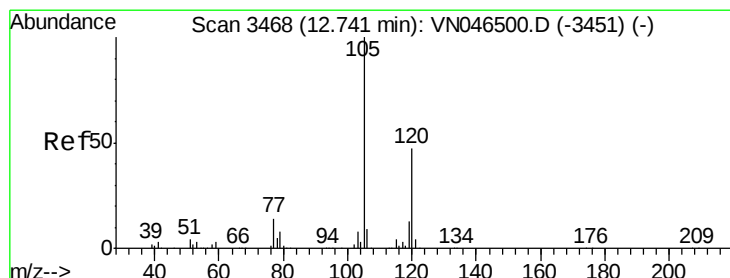
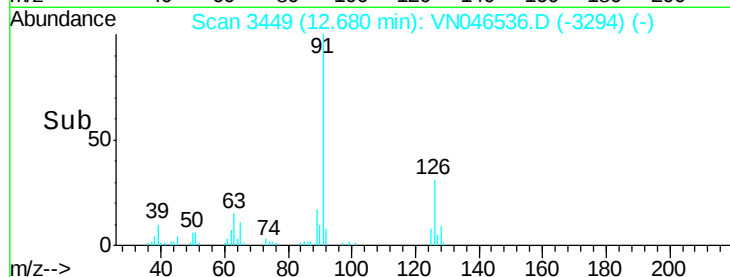
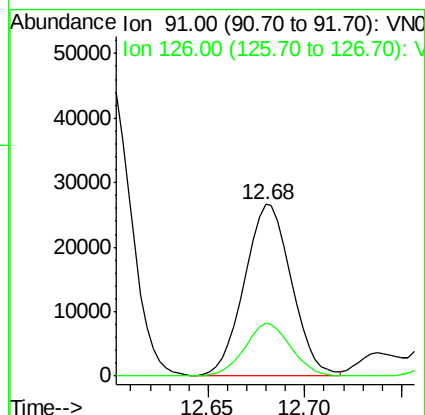
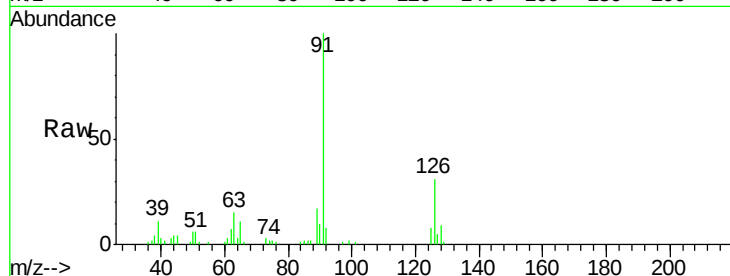
VSTDIC005

Tgt Ion: 91 Resp: 45340

Ion Ratio Lower Upper

91 100

126 29.8 0.0 60.2



#76

1,3,5-Trimethylbenzene

Concen: 5.50 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. -0.00 min

Lab File: VN046536.D

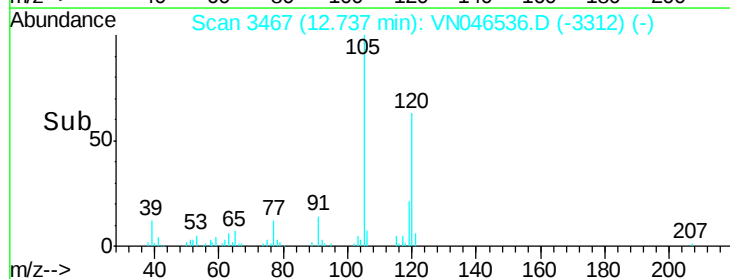
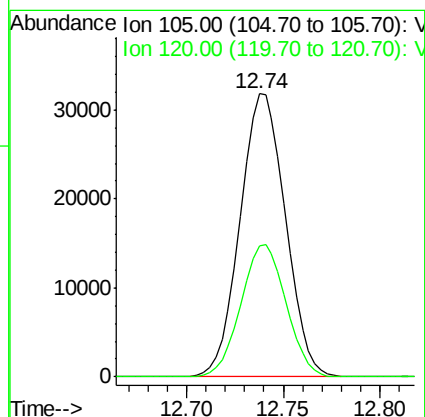
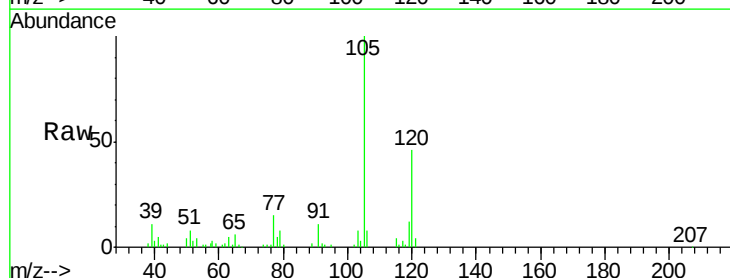
Acq: 24 Jan 2018 10:17

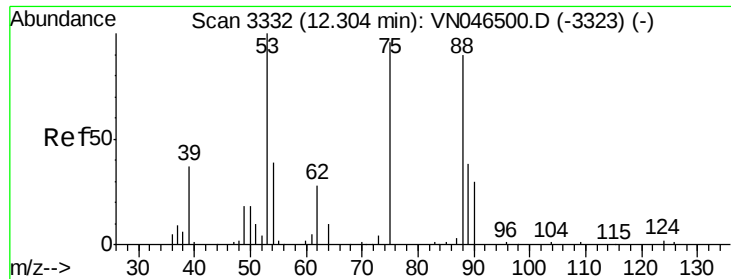
Tgt Ion: 105 Resp: 52011

Ion Ratio Lower Upper

105 100

120 46.3 0.0 93.4





#77

t-1,4-Dichloro-2-butene

Concen: 5.67 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

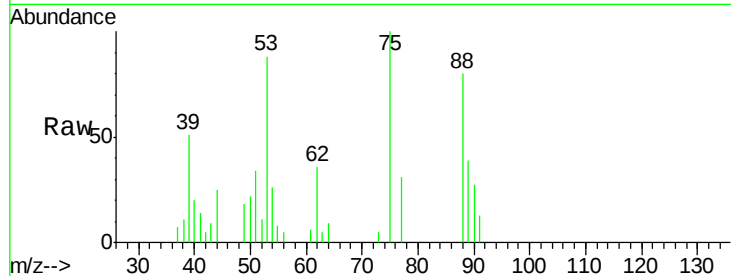
Tgt Ion: 75 Resp: 5176

Ion Ratio Lower Upper

75 100

53 82.8 46.8 140.3

89 38.8 20.2 60.5

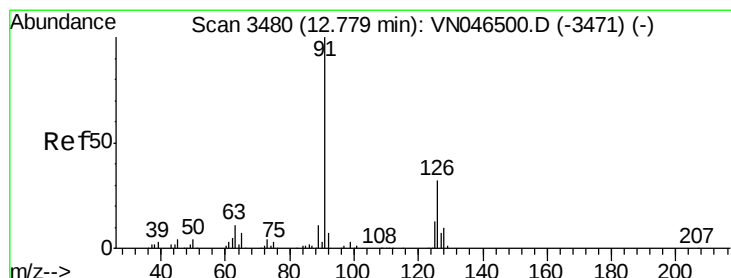
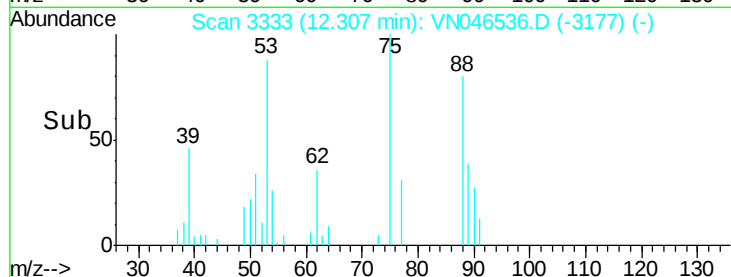


Abundance Ion 75.00 (74.70 to 75.70): VN046536.D (-3177) (-)

Ion 53.00 (52.70 to 53.70): VN046536.D (-3177) (-)

Ion 89.00 (88.70 to 89.70): VN046536.D (-3177) (-)

Time-->



#78

4-Chlorotoluene

Concen: 5.23 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.00 min

Lab File: VN046536.D

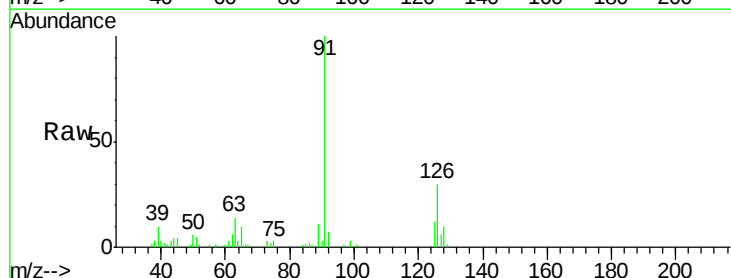
Acq: 24 Jan 2018 10:17

Tgt Ion: 91 Resp: 45484

Ion Ratio Lower Upper

91 100

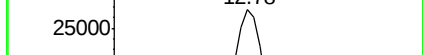
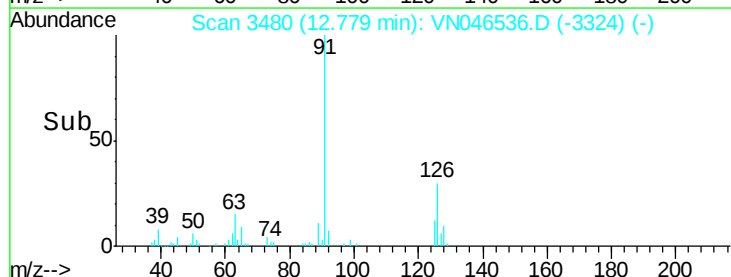
126 29.5 0.0 58.8

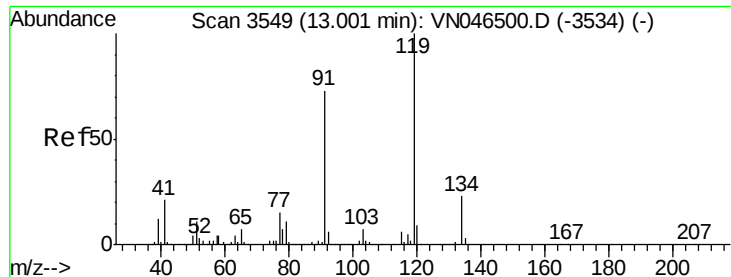


Abundance Ion 91.00 (90.70 to 91.70): VN046536.D (-3324) (-)

Ion 126.00 (125.70 to 126.70): VN046536.D (-3324) (-)

Time-->

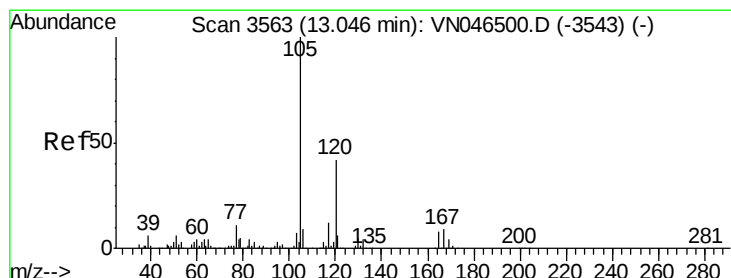
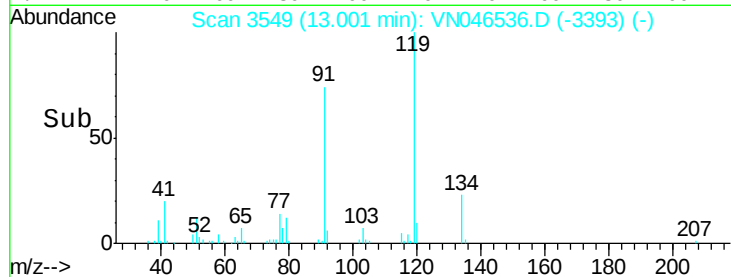
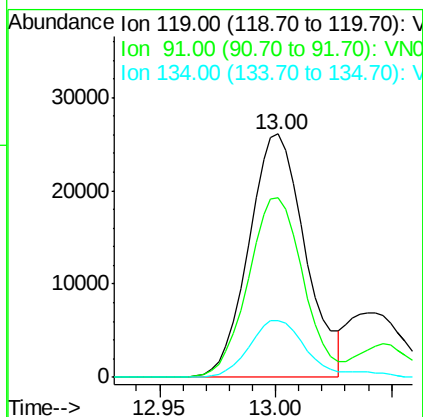
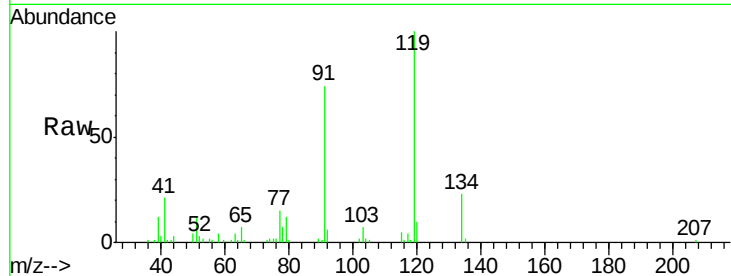




#79
tert-butylbenzene
Concen: 5.64 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

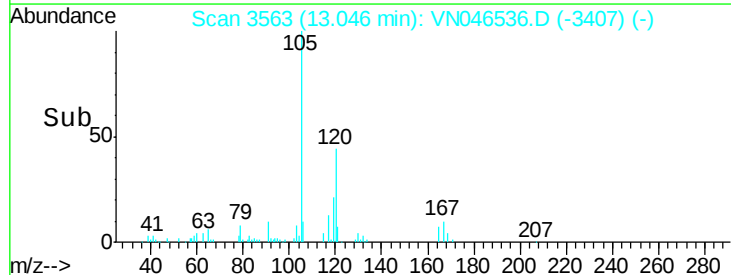
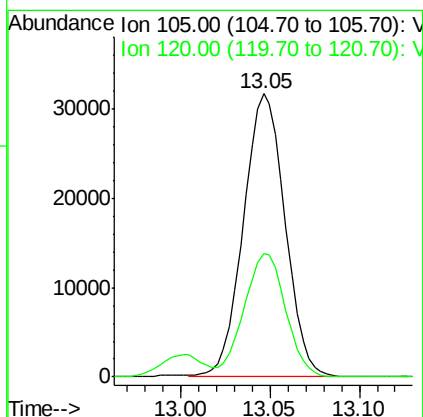
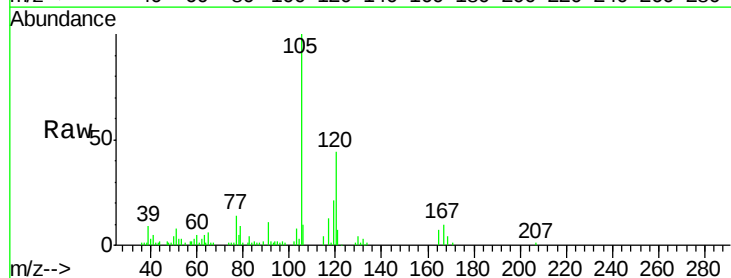
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

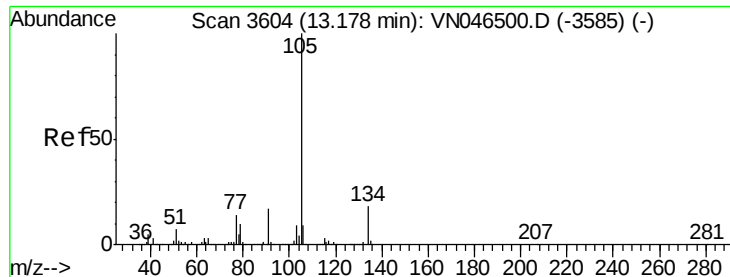
Tgt Ion:119 Resp: 44146
Ion Ratio Lower Upper
119 100
91 72.1 0.0 143.4
134 23.3 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 5.35 ug/l
RT: 13.05 min Scan# 3563
Delta R.T. 0.00 min
Lab File: VN046536.D
Acq: 24 Jan 2018 10:17

Tgt Ion:105 Resp: 51708
Ion Ratio Lower Upper
105 100
120 43.3 0.0 0.2#





#81

sec-Butylbenzene

Concen: 5.44 ug/l

RT: 13.18 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

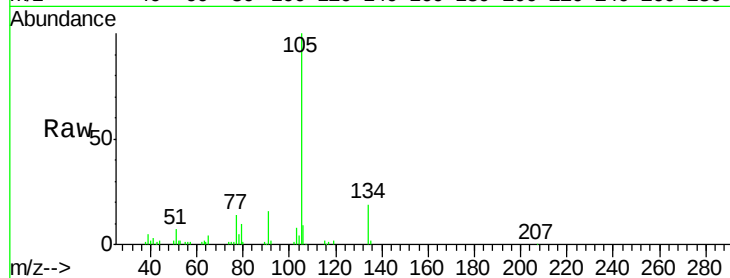
VSTDIC005

Tgt Ion:105 Resp: 63022

Ion Ratio Lower Upper

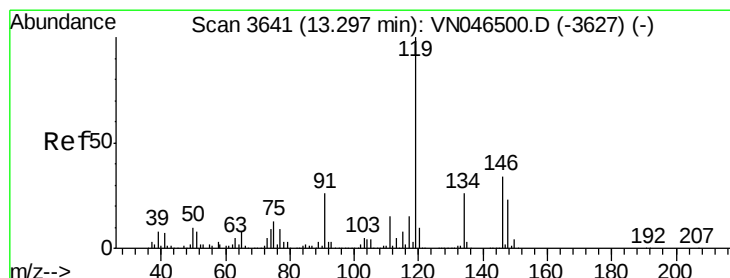
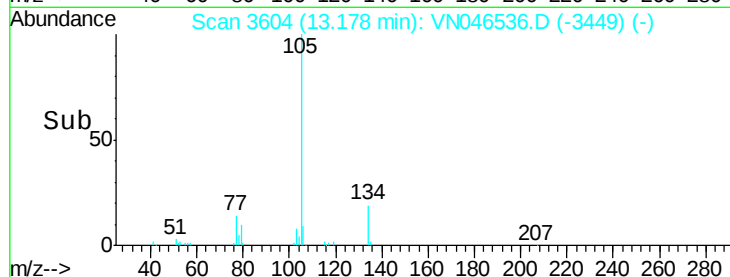
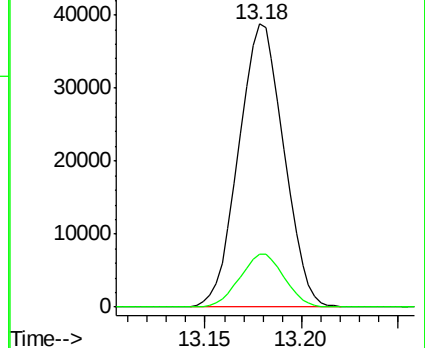
105 100

134 18.3 0.0 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 5.37 ug/l

RT: 13.30 min Scan# 3641

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

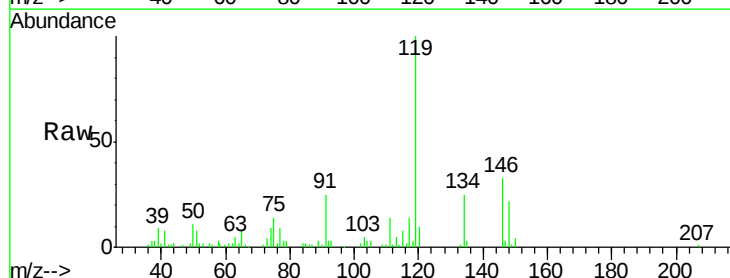
Tgt Ion:119 Resp: 50701

Ion Ratio Lower Upper

119 100

134 25.8 0.0 50.4

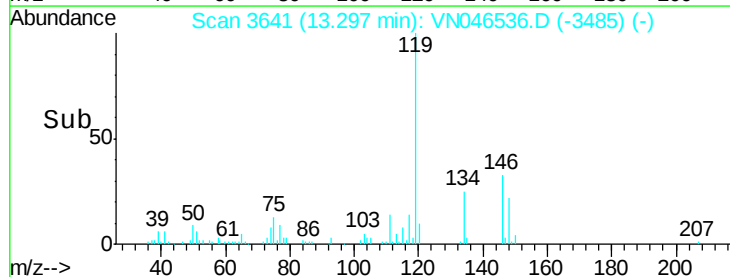
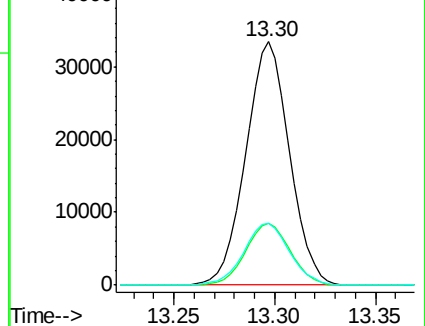
91 26.7 0.0 51.4

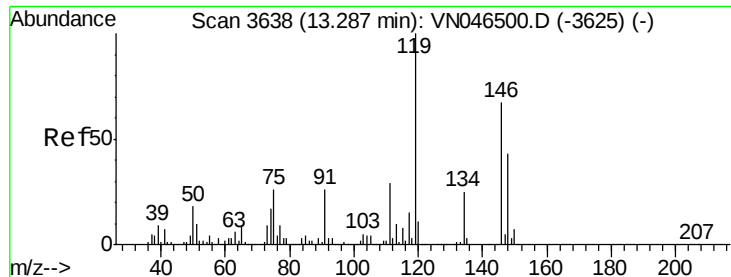


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

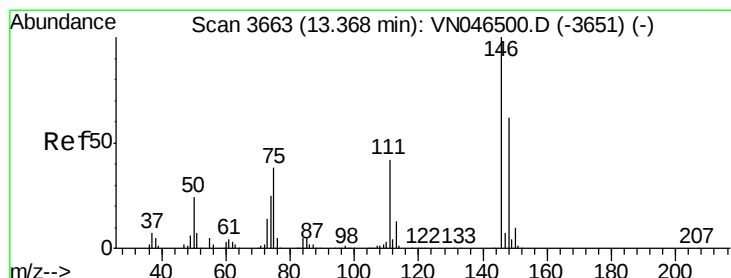
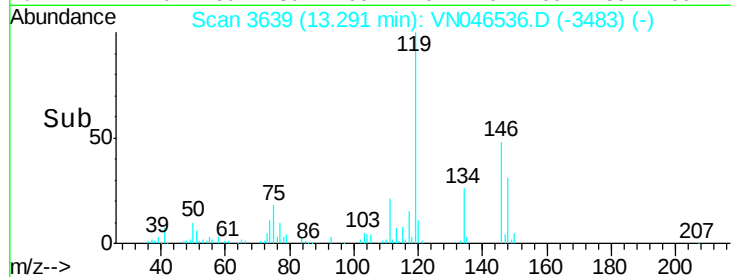
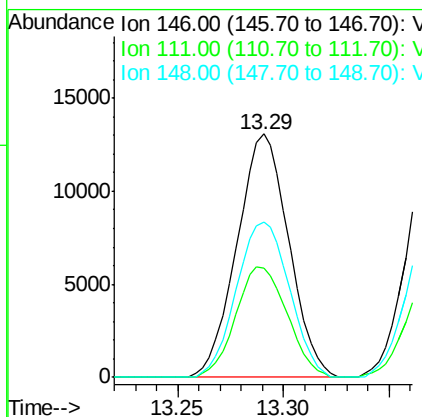
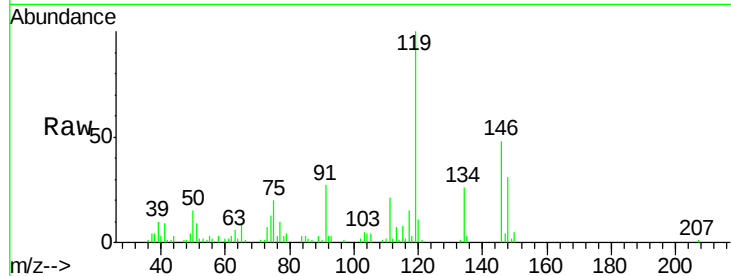




#83
 1,3-Dichlorobenzene
 Concen: 4.58 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

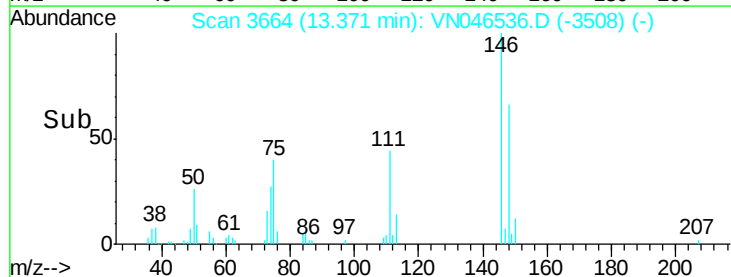
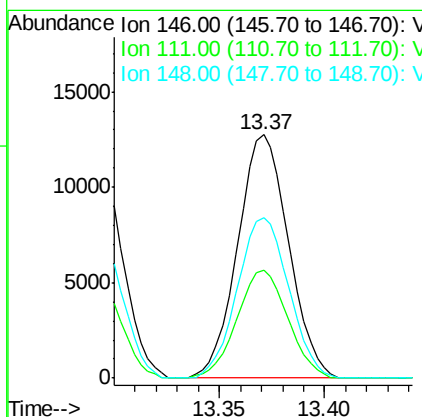
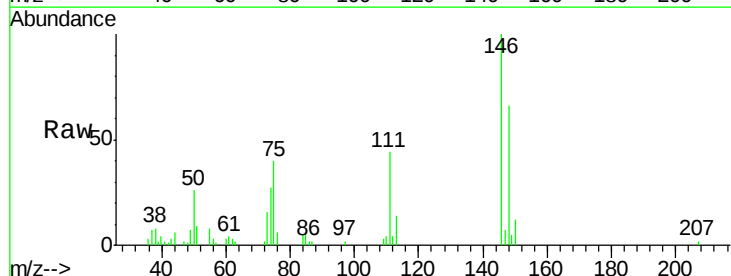
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

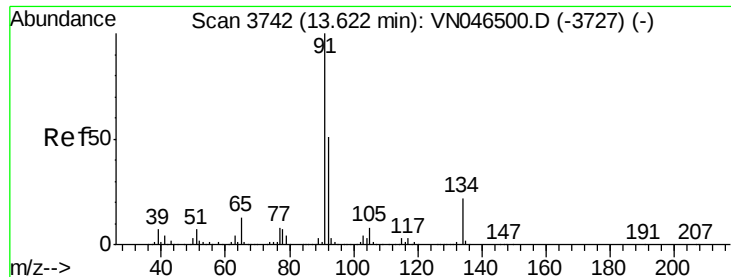
Tgt Ion:146 Resp: 22285
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.3 66.9
 148 65.3 31.3 93.9



#84
 1,4-Dichlorobenzene
 Concen: 4.47 ug/l
 RT: 13.37 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion:146 Resp: 21421
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.6 64.8
 148 66.5 31.8 95.3





#85

n-Butylbenzene

Concen: 5.53 ug/l

RT: 13.62 min Scan# 3742

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

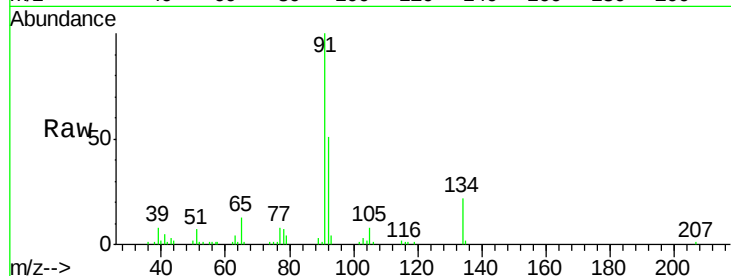
Tgt Ion: 91 Resp: 49861

Ion Ratio Lower Upper

91 100

92 51.8 0.0 105.6

134 21.9 0.0 44.6

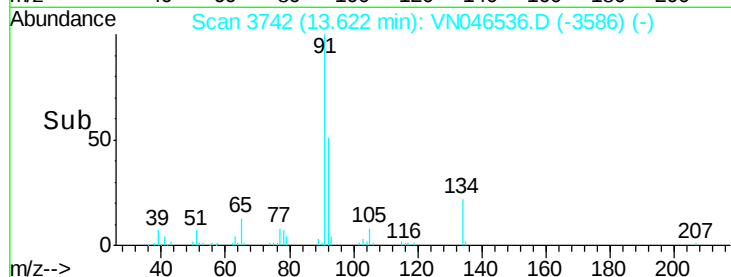


Abundance Ion 91.00 (90.70 to 91.70): VN046536.D (-3586) (-)

Ion 92.00 (91.70 to 92.70): VN046536.D (-3586) (-)

Ion 134.00 (133.70 to 134.70): VN046536.D (-3586) (-)

Time--> 13.55 13.60 13.65

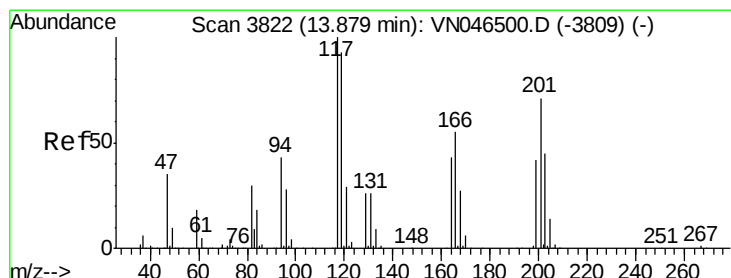


Abundance Ion 91.00 (90.70 to 91.70): VN046536.D (-3586) (-)

Ion 92.00 (91.70 to 92.70): VN046536.D (-3586) (-)

Ion 134.00 (133.70 to 134.70): VN046536.D (-3586) (-)

Time--> 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 5.43 ug/l

RT: 13.88 min Scan# 3823

Delta R.T. 0.00 min

Lab File: VN046536.D

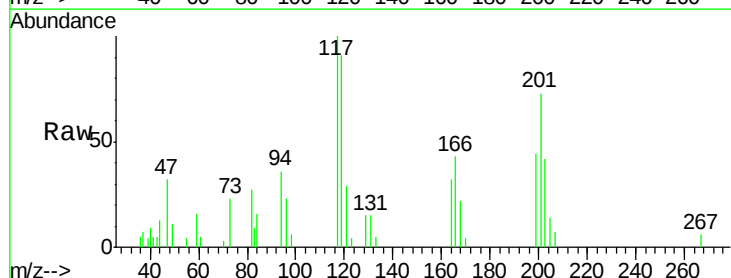
Acq: 24 Jan 2018 10:17

Tgt Ion: 117 Resp: 9810

Ion Ratio Lower Upper

117 100

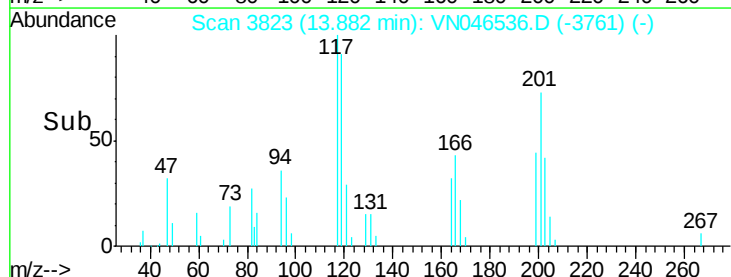
201 70.8 35.0 105.1



Abundance Ion 117.00 (116.70 to 117.70): VN046536.D (-3761) (-)

Ion 201.00 (200.70 to 201.70): VN046536.D (-3761) (-)

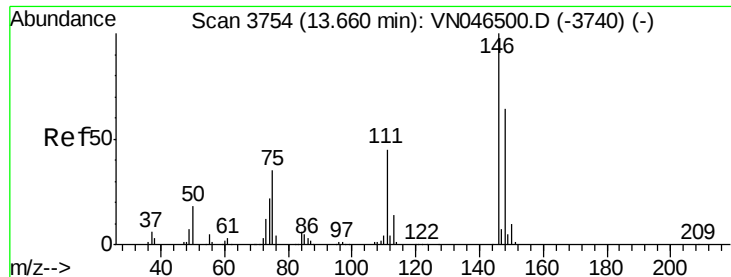
Time--> 13.85 13.90



Abundance Ion 117.00 (116.70 to 117.70): VN046536.D (-3761) (-)

Ion 201.00 (200.70 to 201.70): VN046536.D (-3761) (-)

Time--> 13.85 13.90



#87

1,2-Dichlorobenzene

Concen: 4.58 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

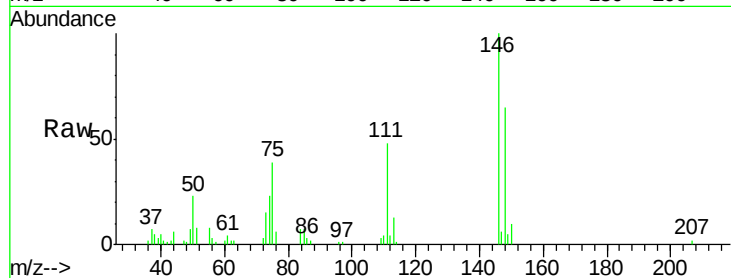
Tgt Ion:146 Resp: 21978

Ion Ratio Lower Upper

146 100

111 47.6 22.9 68.8

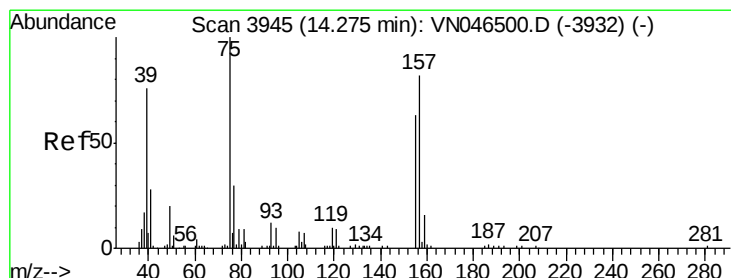
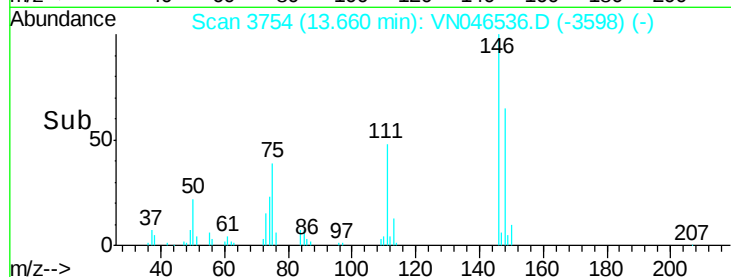
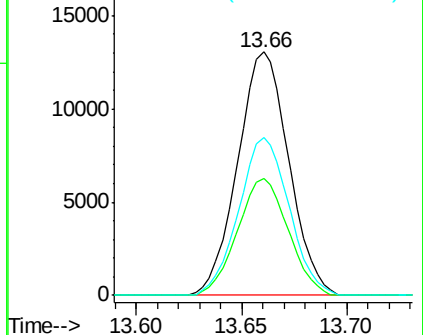
148 63.9 32.0 96.0



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: 5.27 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

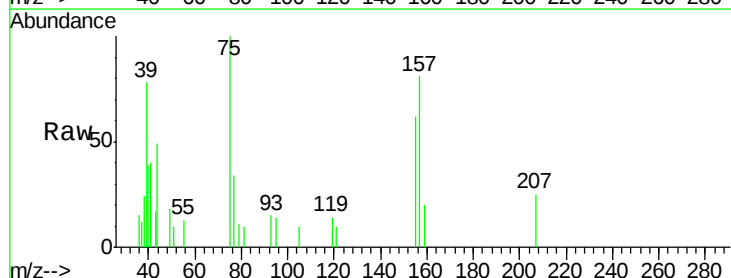
Tgt Ion: 75 Resp: 2759

Ion Ratio Lower Upper

75 100

155 59.6 52.6 79.0

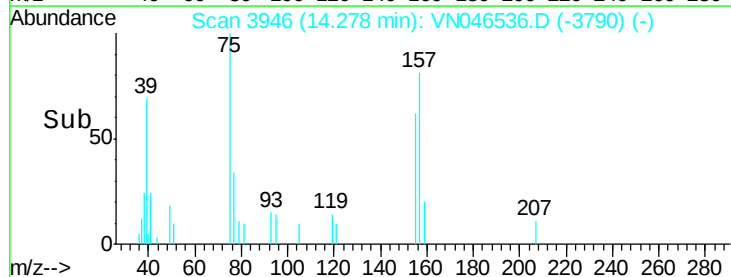
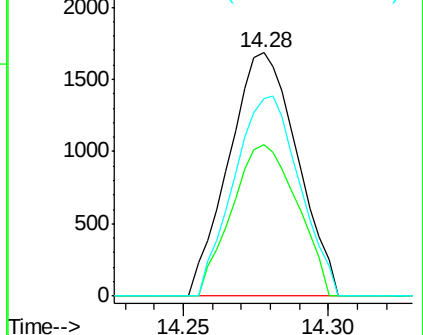
157 78.8 67.3 100.9

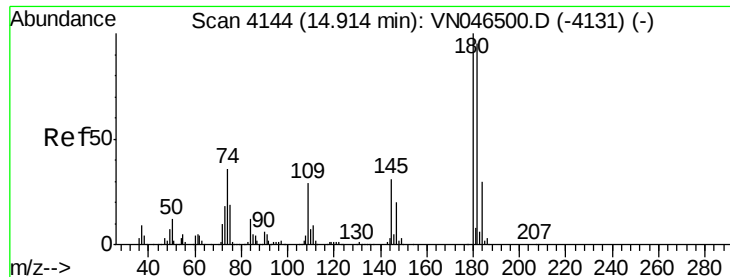


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

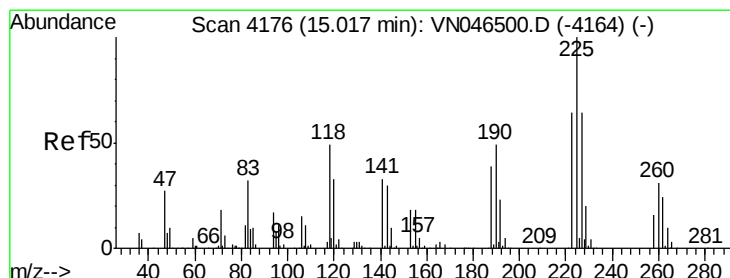
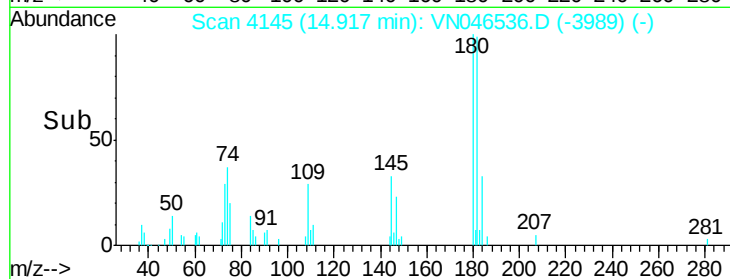
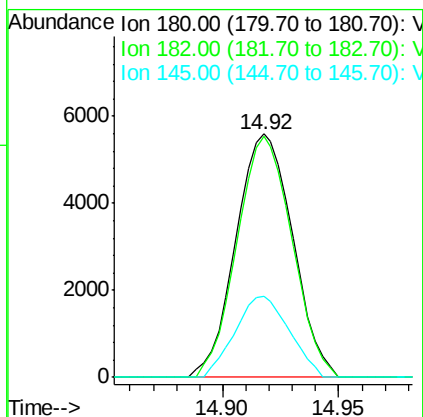
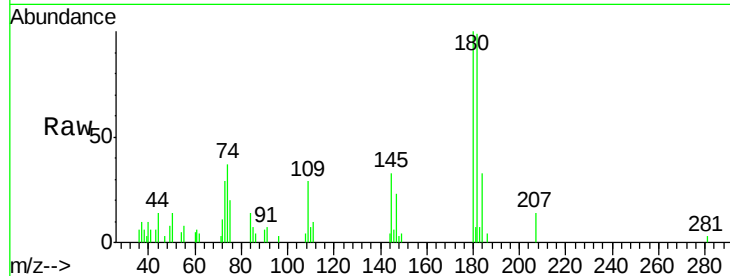




#89
 1,2,4-Trichlorobenzene
 Concen: 3.54 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

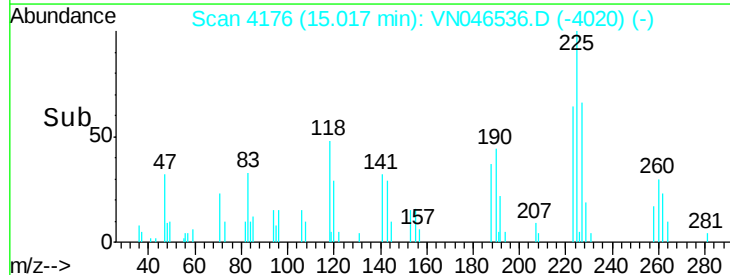
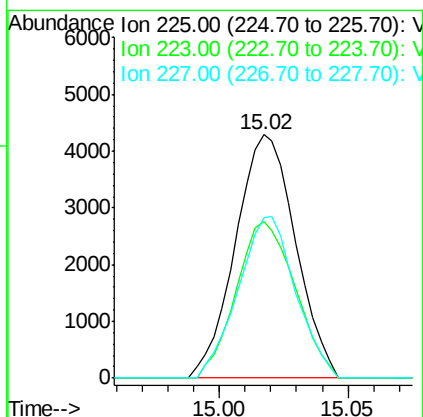
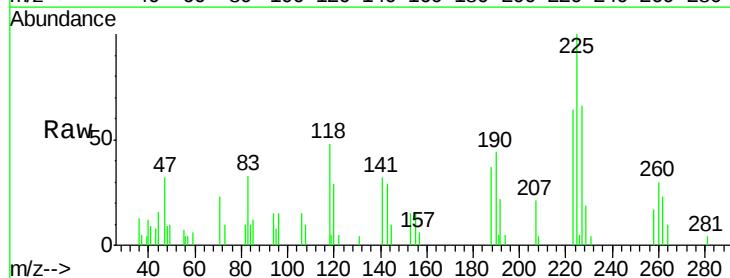
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

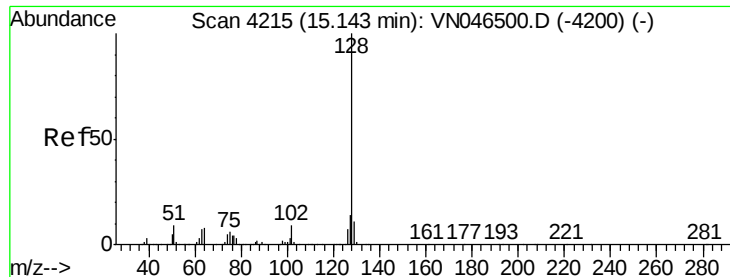
Tgt Ion:180 Resp: 9508
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.7 113.5
 145 31.9 25.2 37.8



#90
 Hexachlorobutadiene
 Concen: 4.76 ug/l
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN046536.D
 Acq: 24 Jan 2018 10:17

Tgt Ion:225 Resp: 6951
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 123.6
 227 63.4 0.0 128.2





#91

Naphthalene

Concen: 3.33 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

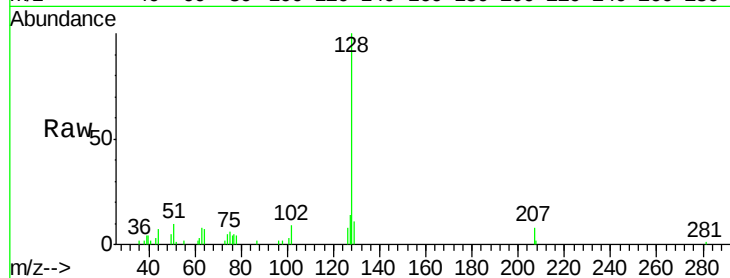
Tgt Ion:128 Resp: 20863

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

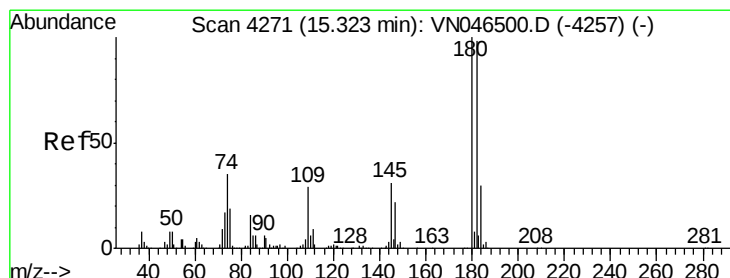
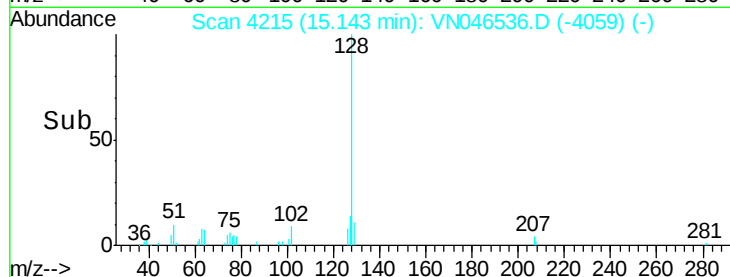
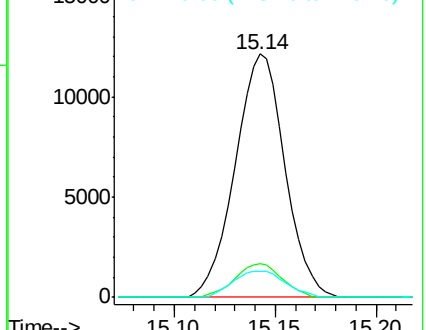
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 3.77 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN046536.D

Acq: 24 Jan 2018 10:17

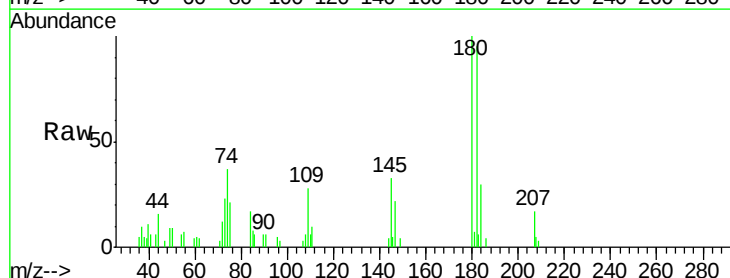
Tgt Ion:180 Resp: 9868

Ion Ratio Lower Upper

180 100

182 94.6 0.0 190.8

145 33.8 0.0 68.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

