

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051609.D
 Acq On : 28 Sep 2018 9:04
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : Sample
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Sep 29 00:36:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	108559	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	596741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	527746	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227013	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	249726	30.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.57%
63) Toluene-d8	10.09	98	744427	29.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.67%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	499473	52.427 ug/l	99
3) Chloromethane	2.06	50	546740	51.283 ug/l	100
4) Vinyl Chloride	2.19	62	539480	51.582 ug/l	98
5) Bromomethane	2.57	94	260168	47.890 ug/l	99
6) Chloroethane	2.70	64	266705	50.833 ug/l	99
7) Trichlorofluoromethane	3.01	101	649586	50.835 ug/l	100
8) Diethyl Ether	3.41	74	201044	50.090 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	363387	50.309 ug/l	98
10) 1,1-Dichloroethene	3.74	96	329253	50.229 ug/l	97
11) Methyl Iodide	3.95	142	468943	55.576 ug/l	98
12) Methyl Acetate	4.33	43	274889	47.517 ug/l	97
13) Acrolein	3.61	56	164610	257.549 ug/l	98
14) Acrylonitrile	4.99	53	595122	256.871 ug/l	98
15) Acetone	3.82	58	160695	264.538 ug/l	98
16) Carbon Disulfide	4.05	76	1053661	49.882 ug/l	100
17) Allyl chloride	4.33	41	603710	51.485 ug/l	100
18) Methylene Chloride	4.55	84	374882	49.745 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	348359	50.064 ug/l	98
20) Diisopropyl ether	5.95	45	1213430	52.164 ug/l	98
21) 1,1-Dichloroethane	5.85	63	694503	50.375 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	387385	50.976 ug/l	99
23) tert-Butyl Alcohol	4.79	59	109563	248.156 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	893766	51.880 ug/l	98
25) Chloroform	7.37	83	668126	50.684 ug/l	99
26) Cyclohexane	7.65	56	635844	53.295 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	524062	51.502 ug/l	99
30) 2-Butanone	6.84	43	715910	258.503 ug/l	99
31) 2,2-Dichloropropane	6.83	77	556321	50.656 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	571348	49.973 ug/l	99
33) Carbon Tetrachloride	7.78	117	513859	50.006 ug/l	97
34) Benzene	8.04	78	1525570	50.533 ug/l	# 94
35) Methacrylonitrile	7.18	41	161104	50.185 ug/l	97
36) 1,2-Dichloroethane	8.13	62	483917	50.288 ug/l	99
37) Trichloroethene	8.84	130	388620	50.139 ug/l	100
38) Methylcyclohexane	9.08	83	616264	52.485 ug/l	98
39) 1,2-Dichloropropane	9.12	63	416810	50.387 ug/l	99
40) Dibromomethane	9.21	93	232262	50.544 ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051609.D
 Acq On : 28 Sep 2018 9:04
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : Sample
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Sep 29 00:36:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	506671	50.513	ug/l	99
42) Vinyl Acetate	5.90	43	4045351	262.380	ug/l	99
43) Ethyl Acetate	6.93	43	292994	49.981	ug/l	99
44) Isopropyl Acetate	8.17	43	566536	49.358	ug/l	98
45) 1,4-Dioxane	9.20	88	65343	1053.796	ug/l	100
46) Methyl methacrylate	9.20	41	280898	52.608	ug/l	97
47) n-amyl Acetate	12.07	43	462425	53.845	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	510734	51.016	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	601465	51.387	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	321809	49.555	ug/l	98
51) Ethyl methacrylate	10.43	69	411646	52.246	ug/l	98
52) 1,3-Dichloropropane	10.71	76	565354	50.775	ug/l	100
53) Dibromochloromethane	10.90	129	375060	50.710	ug/l	99
54) 1,2-Dibromoethane	11.01	107	317161	50.899	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	1026211	263.507	ug/l	100
56) Bromoform	12.13	173	250335	51.009	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1526293	254.729	ug/l	100
59) 2-Hexanone	10.75	43	1042246	264.405	ug/l	97
61) Tetrachloroethene	10.63	164	377168	50.479	ug/l	98
62) Toluene	10.16	91	1629296	50.349	ug/l	100
64) Chlorobenzene	11.43	112	981649	50.173	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	374062	50.068	ug/l	98
66) Ethyl Benzene	11.51	91	1731325	52.276	ug/l	99
67) m/p-Xylenes	11.62	106	1354430	106.112	ug/l	99
68) o-Xylene	11.95	106	637233	52.298	ug/l	97
69) Styrene	11.96	104	1030762	53.897	ug/l	99
70) Isopropylbenzene	12.25	105	1708661	52.571	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	391486	49.785	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	497638	76.809	ug/l	48
73) Bromobenzene	12.53	156	416831	51.534	ug/l	97
74) n-propylbenzene	12.59	91	2013779	53.222	ug/l	100
75) 2-Chlorotoluene	12.67	91	1176508	52.071	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	1443754	53.161	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	114892	53.958	ug/l	97
78) 4-Chlorotoluene	12.77	91	1173724	52.590	ug/l	100
79) tert-butylbenzene	12.99	119	1240768	52.734	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1461709	53.886	ug/l	100
81) sec-Butylbenzene	13.17	105	1713960	52.734	ug/l	99
82) p-Isopropyltoluene	13.29	119	1503954	54.140	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	739118	52.442	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	710394	53.621	ug/l	100
85) n-Butylbenzene	13.62	91	1264976	55.478	ug/l	99
86) Hexachloroethane	13.88	117	277617	49.966	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	724577	52.553	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	57756	50.393	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	368552	57.112	ug/l	99
90) Hexachlorobutadiene	15.01	225	261899	49.782	ug/l	98
91) Naphthalene	15.13	128	686097	56.614	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	360539	55.552	ug/l	99

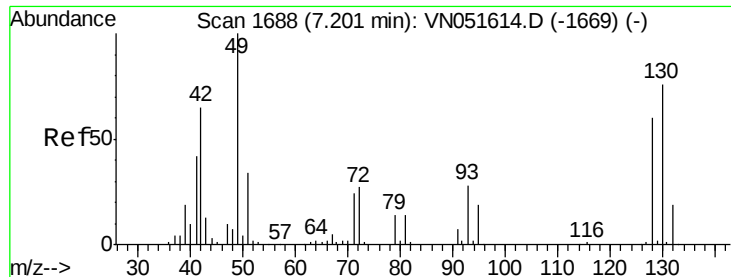
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
Data File : VN051609.D
Acq On : 28 Sep 2018 9:04
Operator : MD\SY
Sample : VSTDICC050
Misc : Sample
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Quant Time: Sep 29 00:36:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 00:34:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

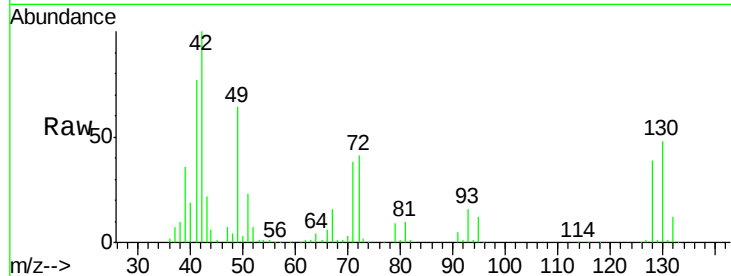
Delta R.T. -0.00 min

Lab File: VN051609.D

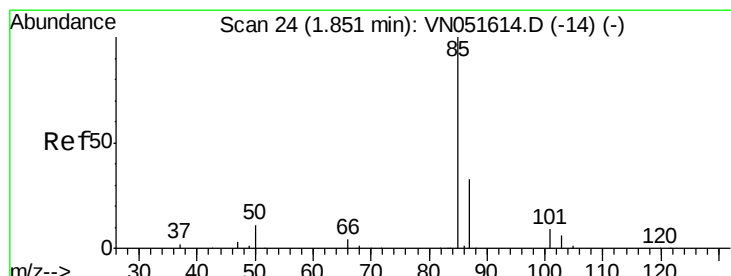
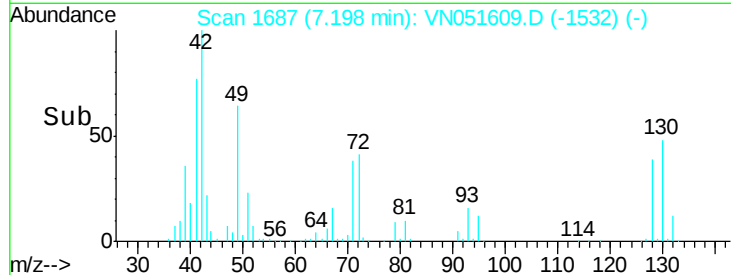
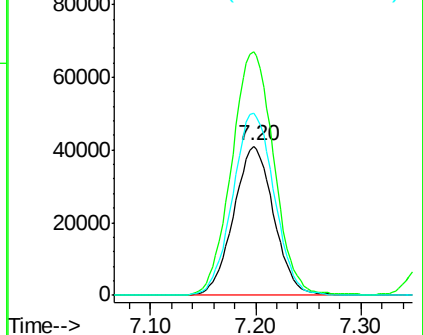
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:	128	Resp:	108559
Ion	Ratio	Lower	Upper
128	100		
49	171.7	0.0	426.8
130	126.7	0.0	326.3



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



#2

Dichlorodifluoromethane

Concen: 52.427 ug/l

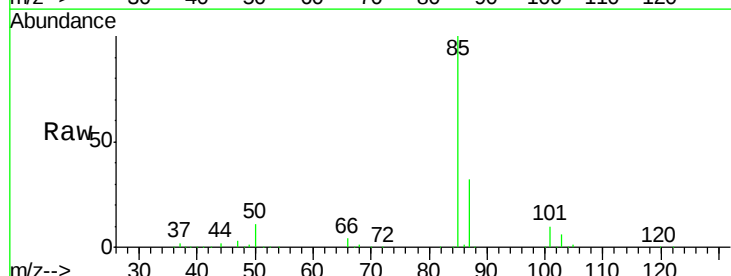
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

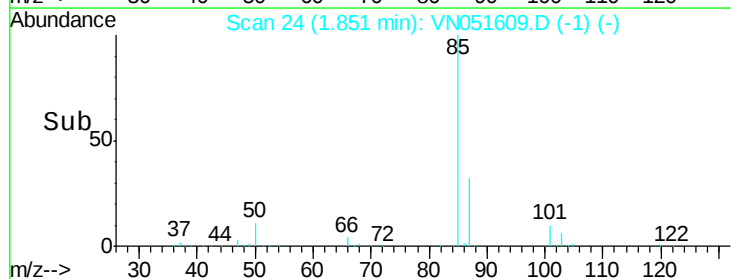
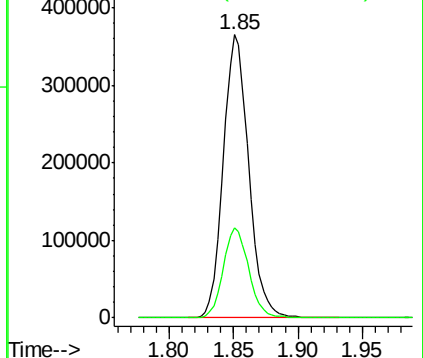
Lab File: VN051609.D

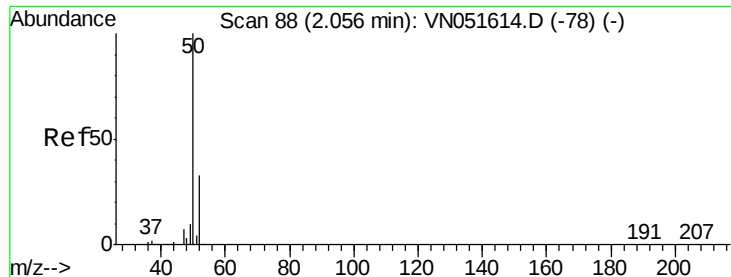
Acq: 28 Sep 2018 9:04

Tgt Ion:	85	Resp:	499473
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.3	48.8



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





#3

Chloromethane

Concen: 51.283 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

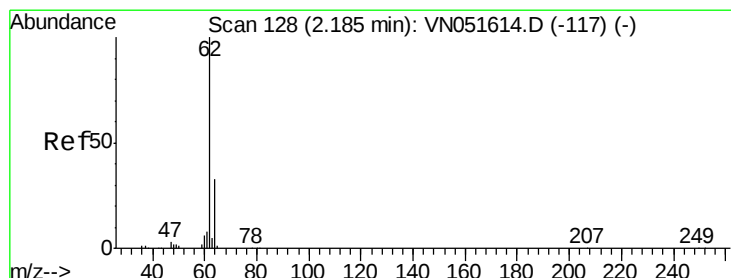
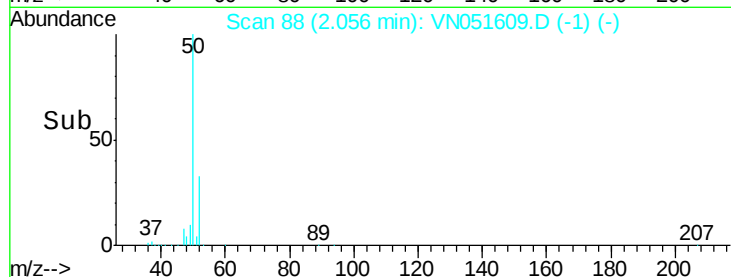
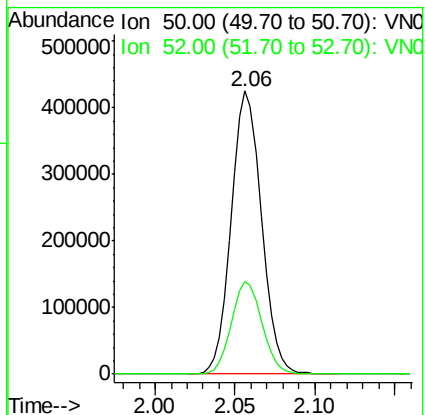
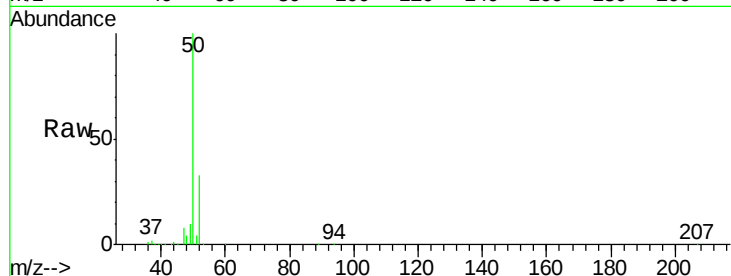
VSTDIC050

Tgt Ion: 50 Resp: 546740

Ion Ratio Lower Upper

50 100

52 32.7 26.0 39.0



#4

Vinyl Chloride

Concen: 51.582 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051609.D

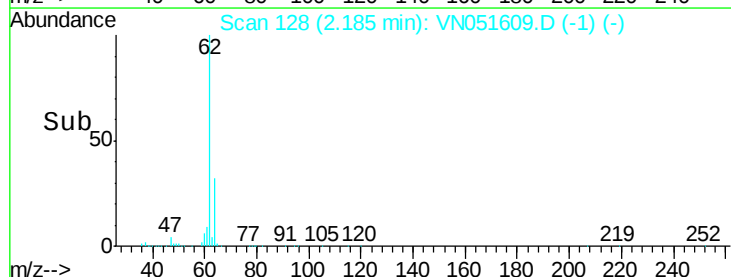
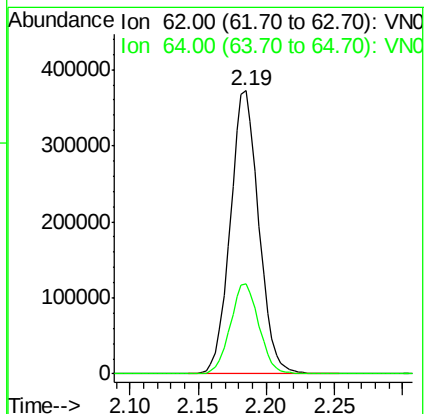
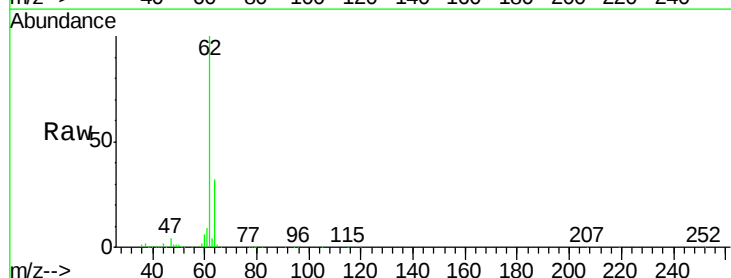
Acq: 28 Sep 2018 9:04

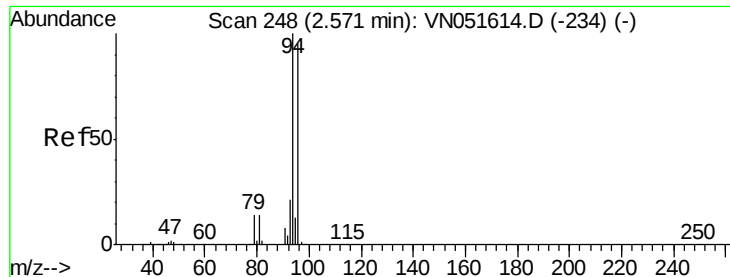
Tgt Ion: 62 Resp: 539480

Ion Ratio Lower Upper

62 100

64 31.6 26.3 39.5





#5

Bromomethane

Concen: 47.890 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

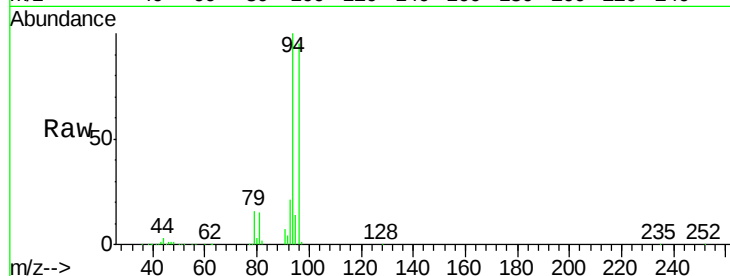
VSTDIC050

Tgt Ion: 94 Resp: 260168

Ion Ratio Lower Upper

94 100

96 95.2 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

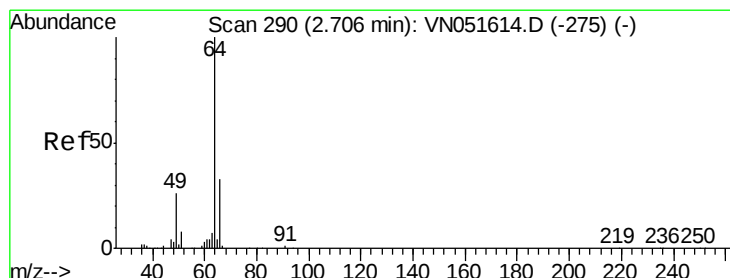
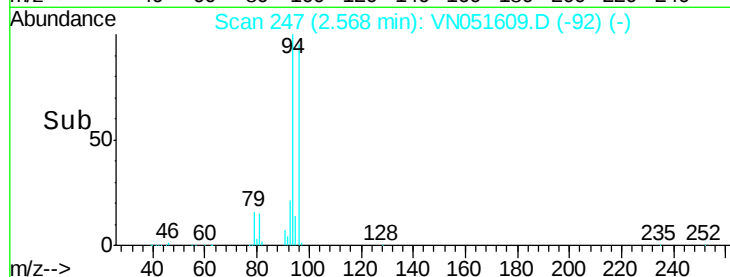
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 50.833 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051609.D

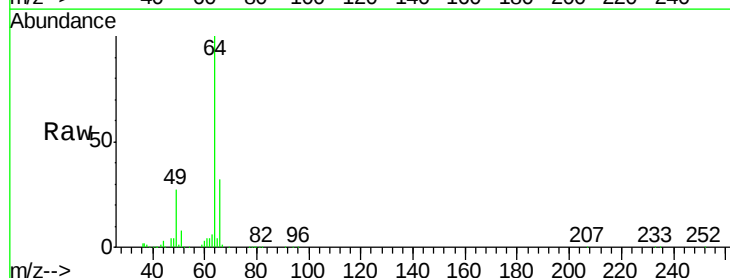
Acq: 28 Sep 2018 9:04

Tgt Ion: 64 Resp: 266705

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

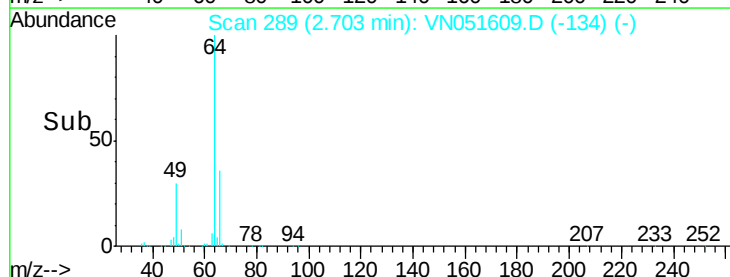
150000

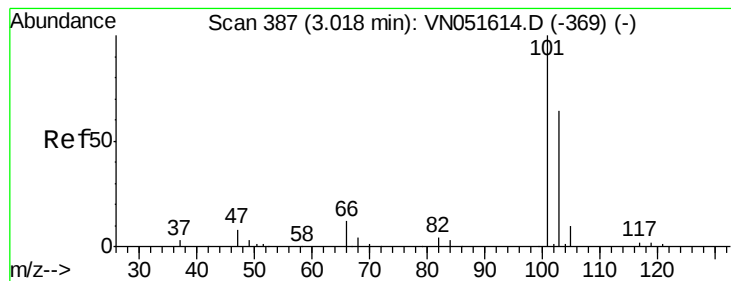
100000

50000

0

Time-->



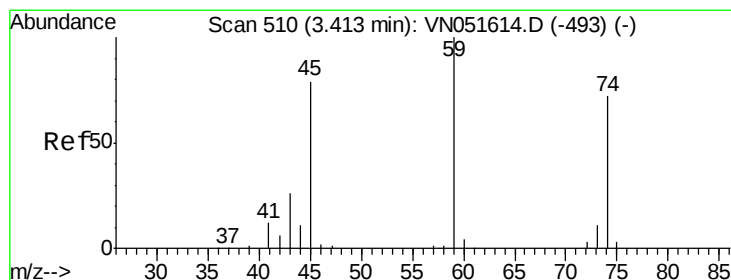
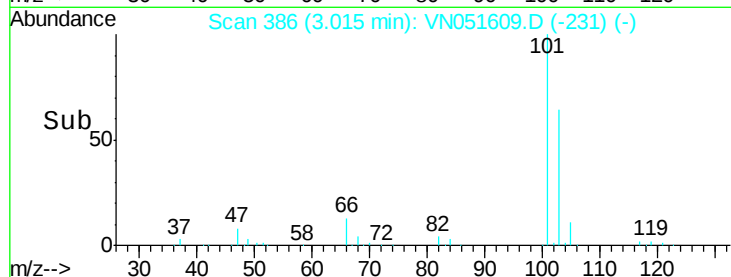
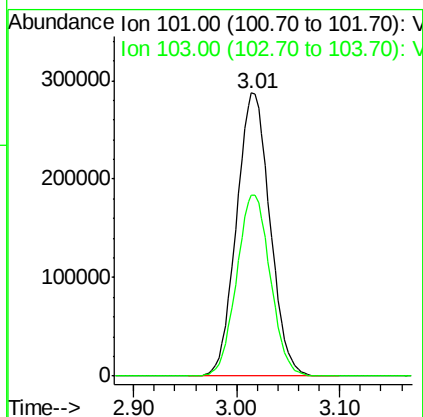
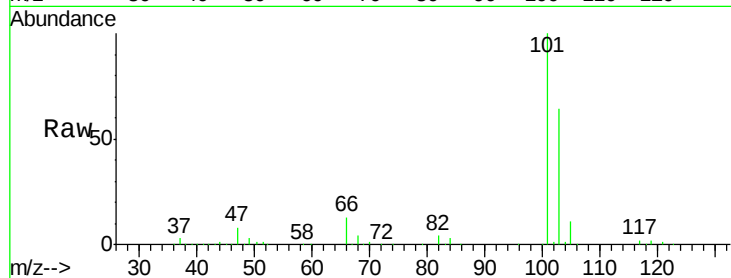


#7

Trichlorofluoromethane
 Concen: 50.835 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

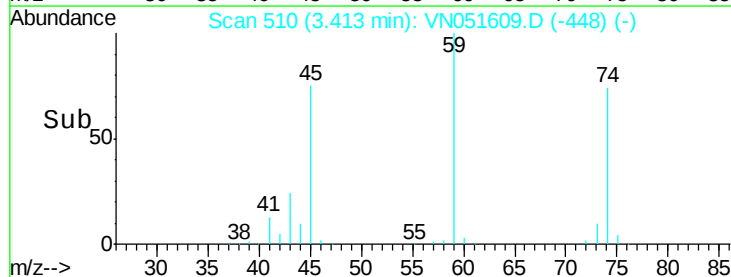
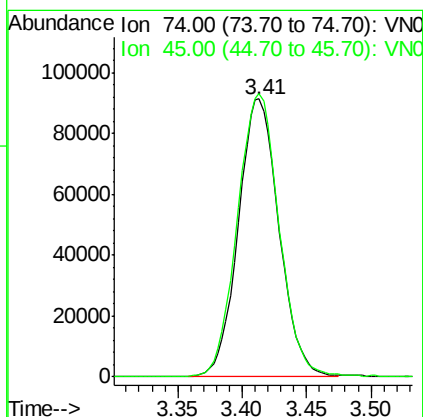
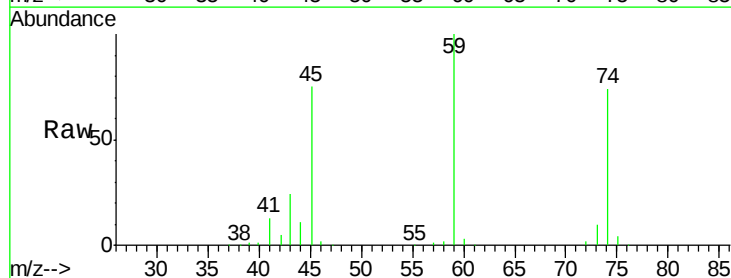
Tgt Ion: 101 Resp: 649586
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.2 76.8

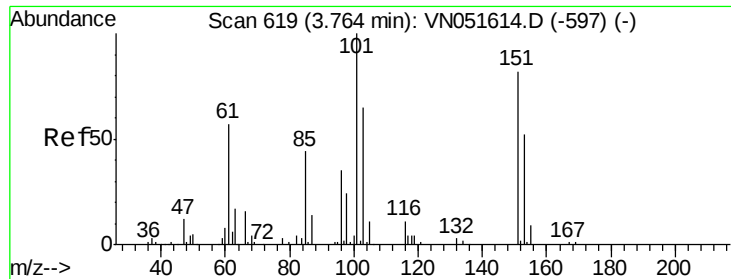


#8

Diethyl Ether
 Concen: 50.090 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion: 74 Resp: 201044
 Ion Ratio Lower Upper
 74 100
 45 104.5 21.3 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.309 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

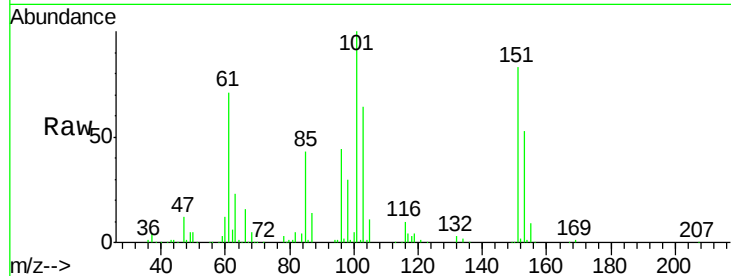
Tgt Ion: 101 Resp: 363387

Ion Ratio Lower Upper

101 100

85 42.9 0.0 89.4

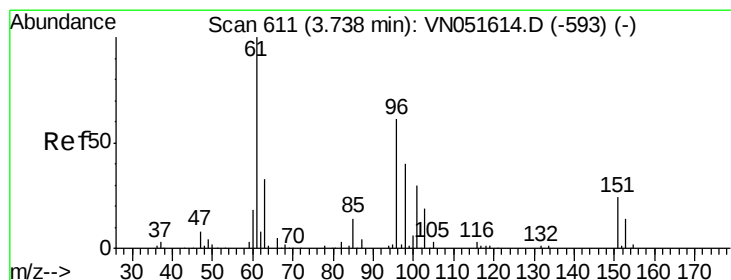
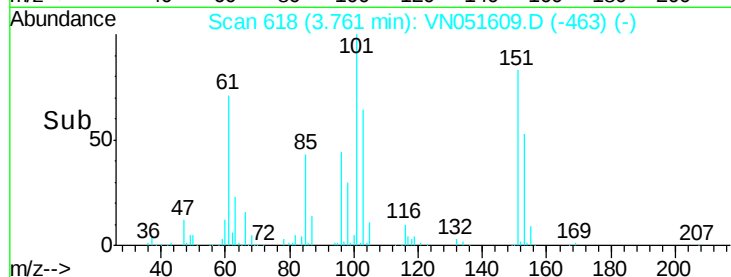
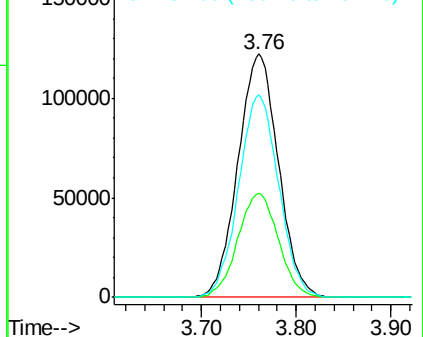
151 82.3 0.0 167.6



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: 50.229 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

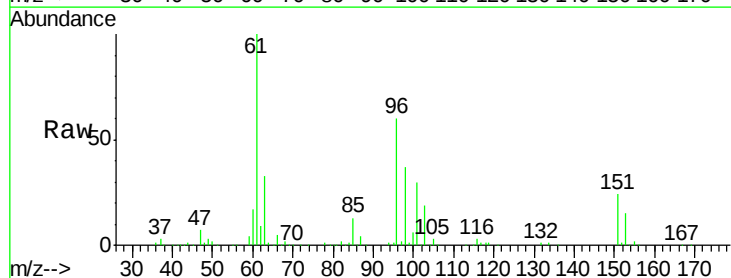
Tgt Ion: 96 Resp: 329253

Ion Ratio Lower Upper

96 100

61 167.4 131.0 196.4

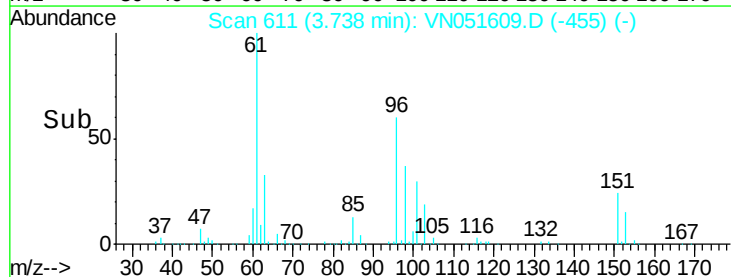
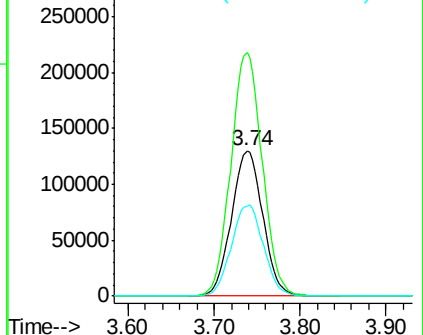
98 62.3 52.7 79.1

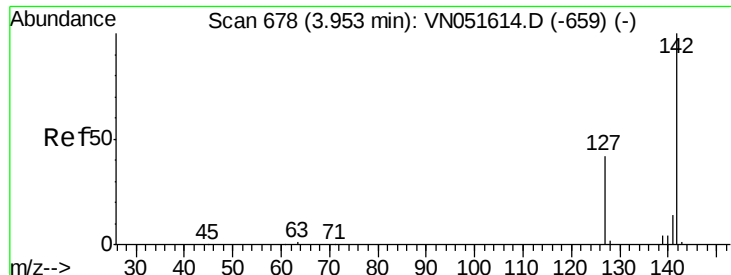


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

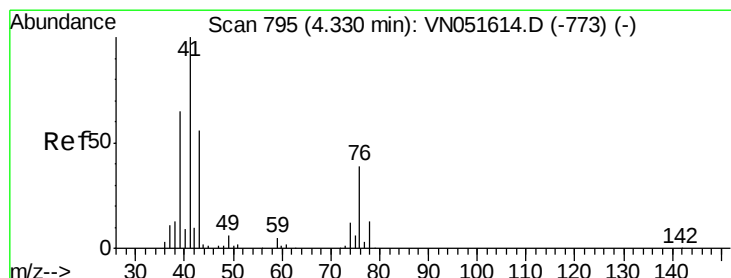
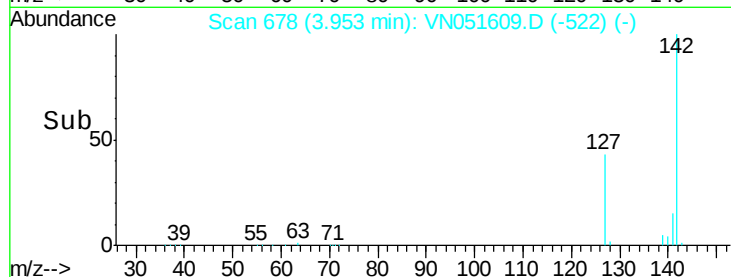
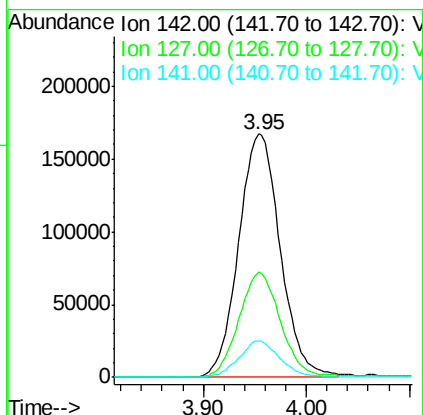
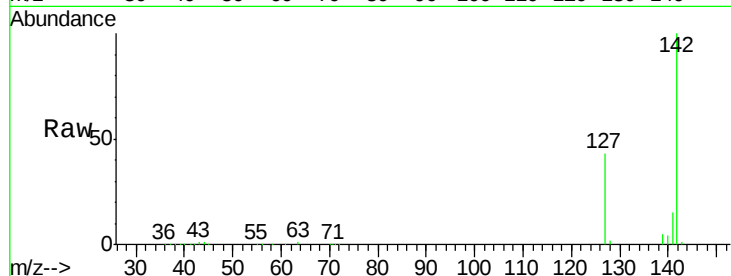




#11
Methyl Iodide
Concen: 55.576 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

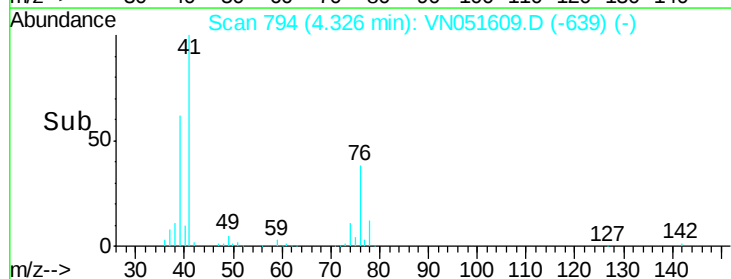
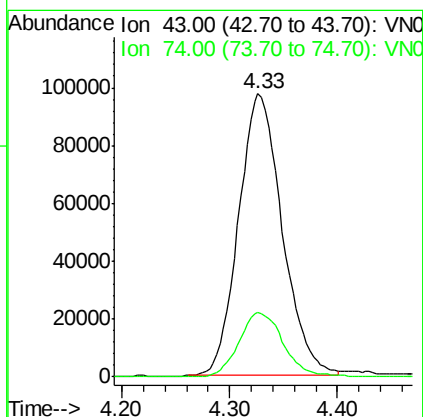
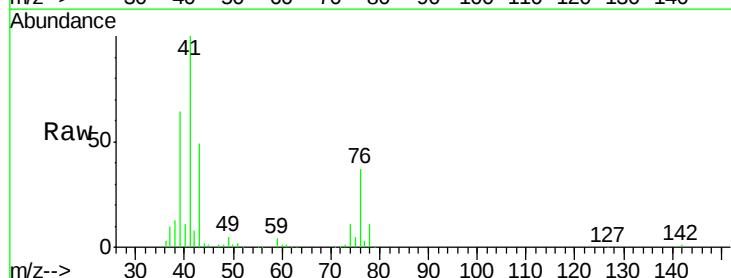
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

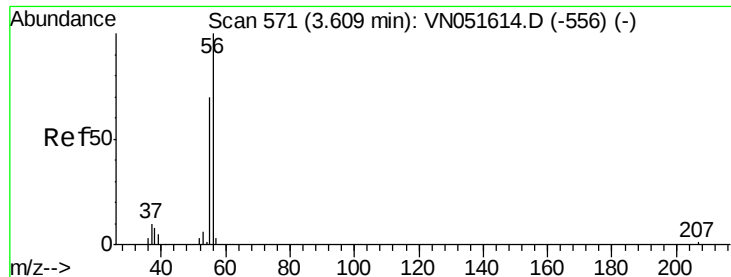
Tgt Ion:142 Resp: 468943
Ion Ratio Lower Upper
142 100
127 43.0 21.1 63.1
141 15.0 7.1 21.4



#12
Methyl Acetate
Concen: 47.517 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 43 Resp: 274889
Ion Ratio Lower Upper
43 100
74 22.8 17.0 25.4





#13

Acrolein

Concen: 257.549 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

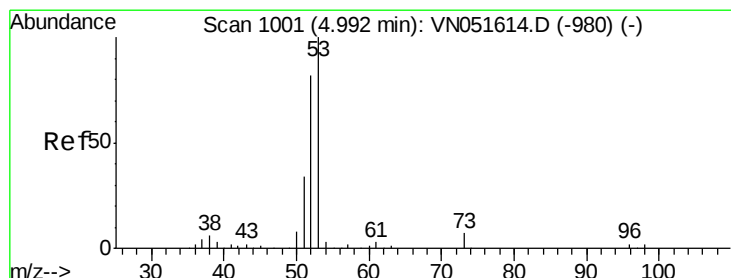
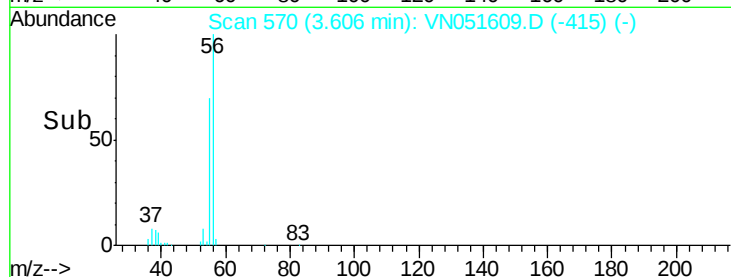
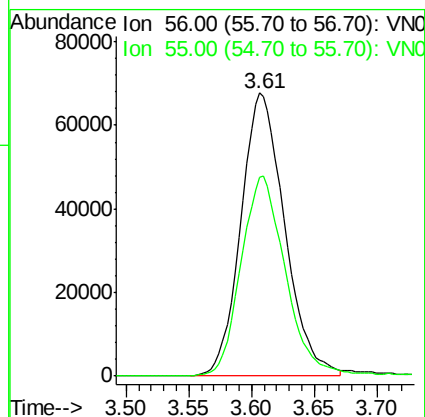
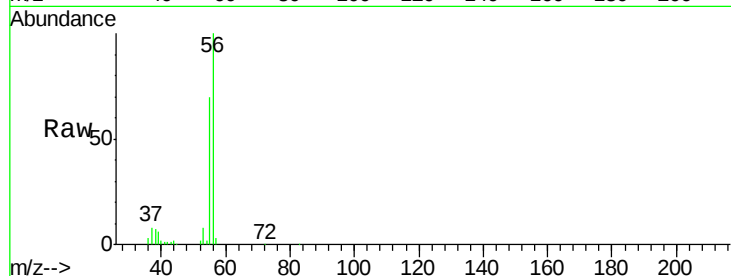
VSTDIC050

Tgt Ion: 56 Resp: 164610

Ion Ratio Lower Upper

56 100

55 71.7 55.8 83.8



#14

Acrylonitrile

Concen: 256.871 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

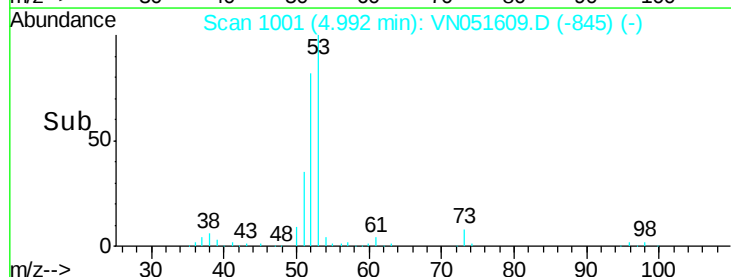
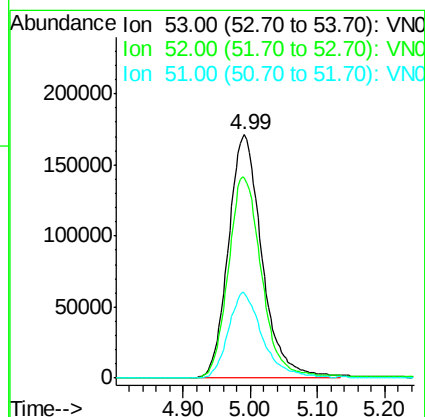
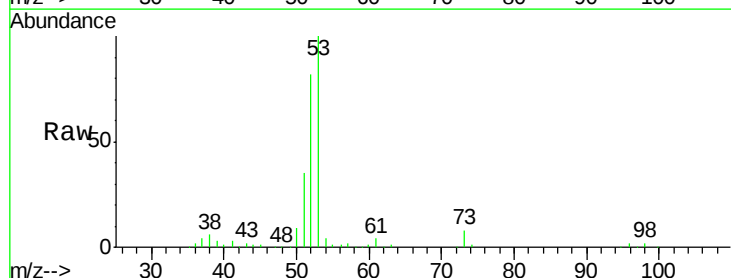
Tgt Ion: 53 Resp: 595122

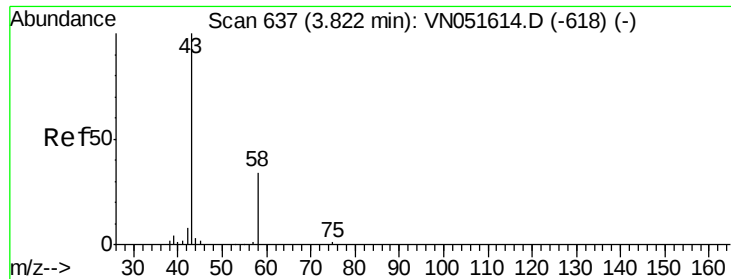
Ion Ratio Lower Upper

53 100

52 81.5 41.3 123.7

51 36.0 17.1 51.2





#15

Acetone

Concen: 264.538 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

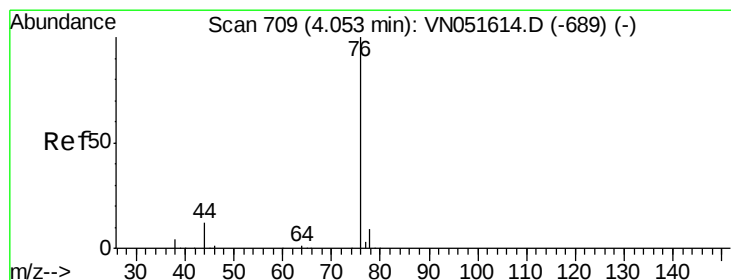
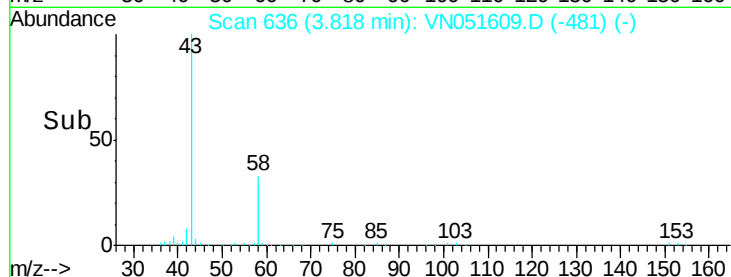
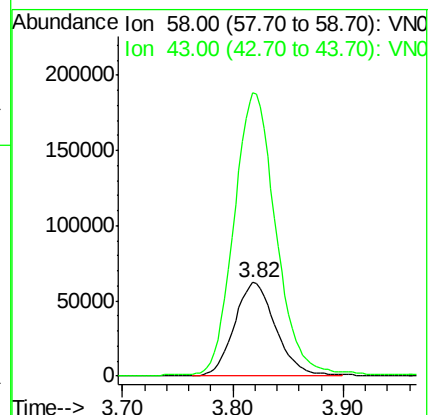
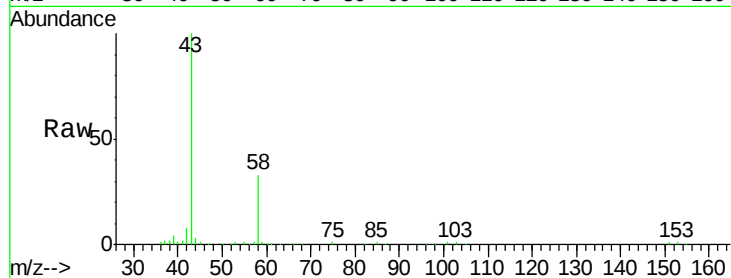
VSTDIC050

Tgt Ion: 58 Resp: 160695

Ion Ratio Lower Upper

58 100

43 302.3 238.0 357.0



#16

Carbon Disulfide

Concen: 49.882 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051609.D

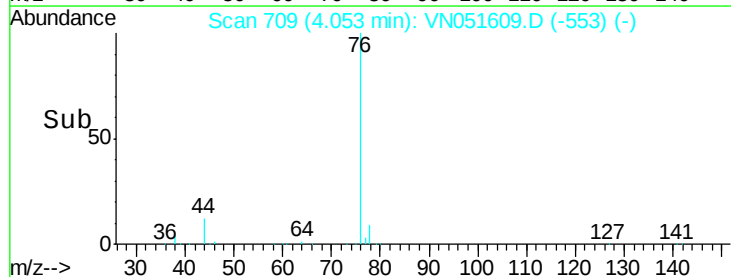
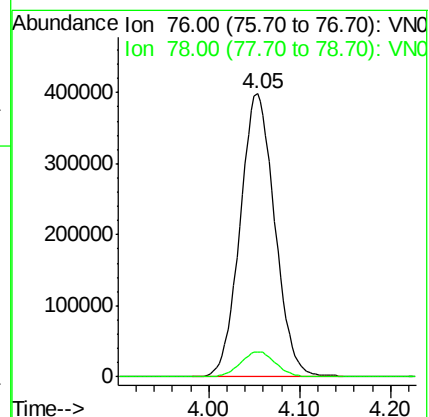
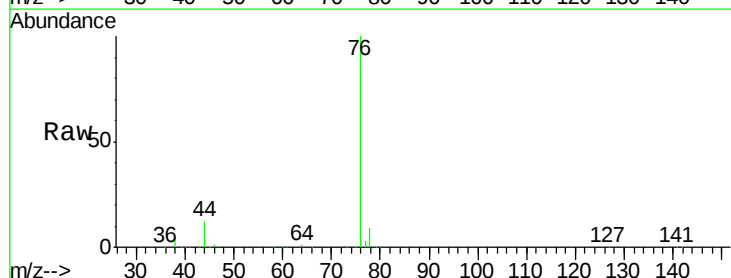
Acq: 28 Sep 2018 9:04

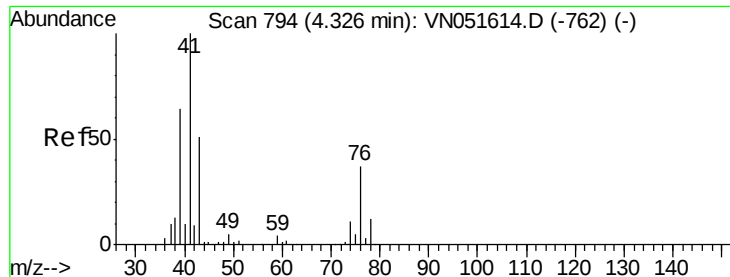
Tgt Ion: 76 Resp: 1053661

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#17

Allyl chloride

Concen: 51.485 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

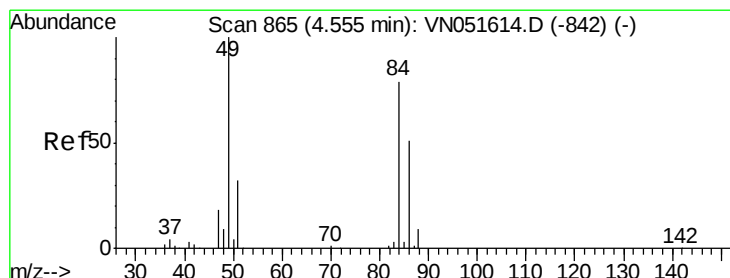
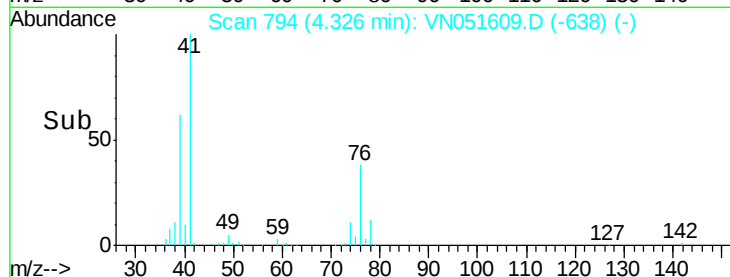
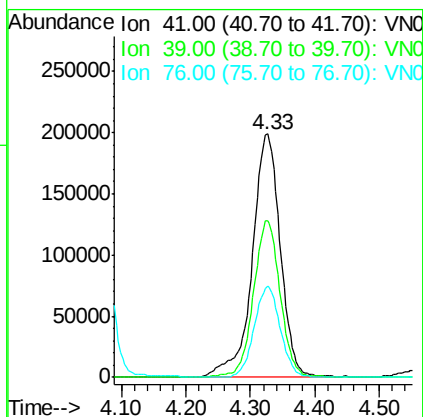
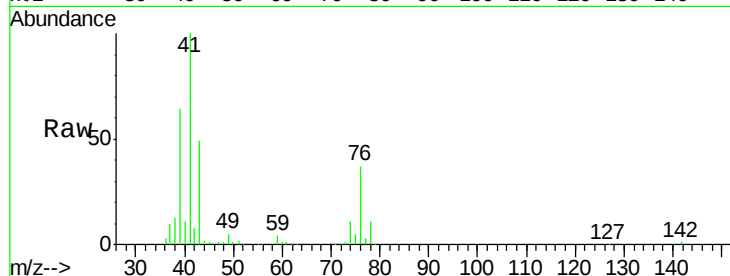
Tgt Ion: 41 Resp: 603710

Ion Ratio Lower Upper

41 100

39 64.4 31.9 95.9

76 37.3 18.6 56.0



#18

Methylene Chloride

Concen: 49.745 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tgt Ion: 84 Resp: 374882

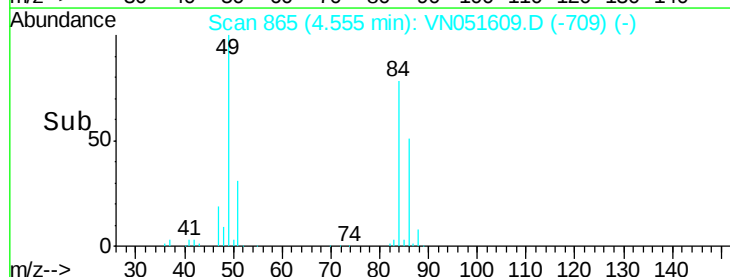
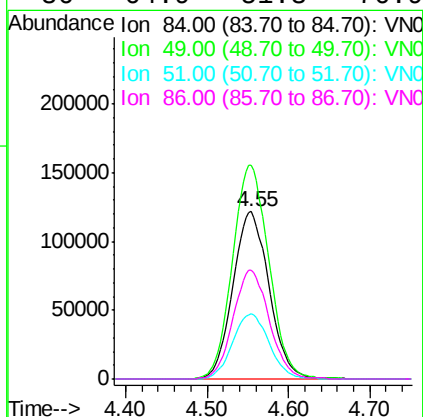
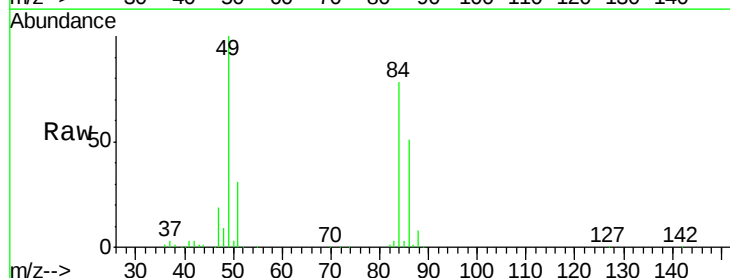
Ion Ratio Lower Upper

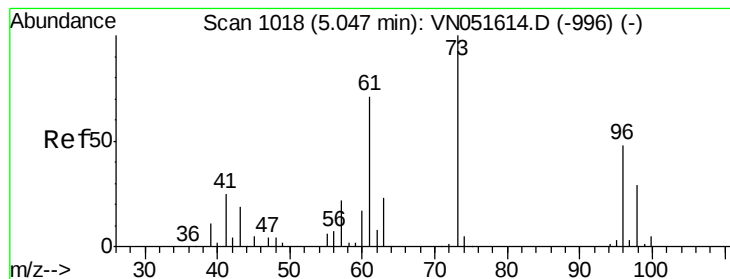
84 100

49 127.3 100.9 151.3

51 39.2 32.5 48.7

86 64.9 51.3 76.9





#19

trans-1,2-Dichloroethene

Concen: 50.064 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

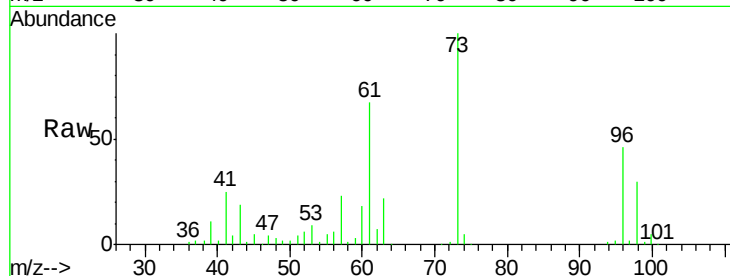
Tgt Ion: 96 Resp: 348359

Ion Ratio Lower Upper

96 100

61 145.9 118.0 177.0

98 65.3 49.0 73.4

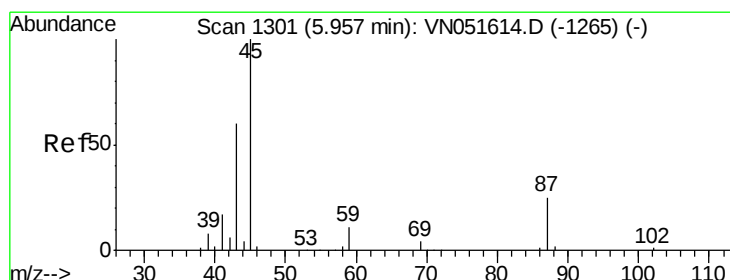
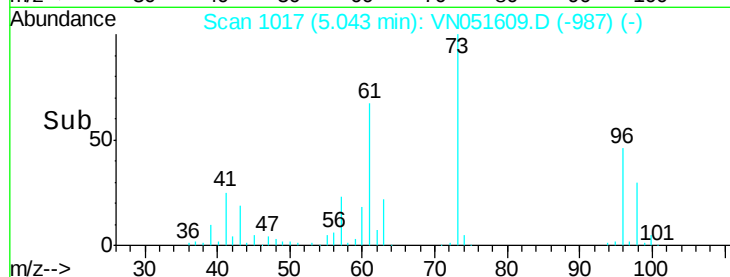
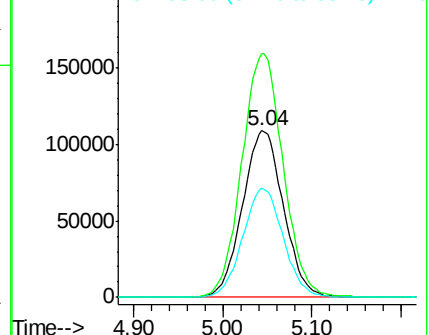


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 52.164 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Tgt Ion: 45 Resp: 1213430

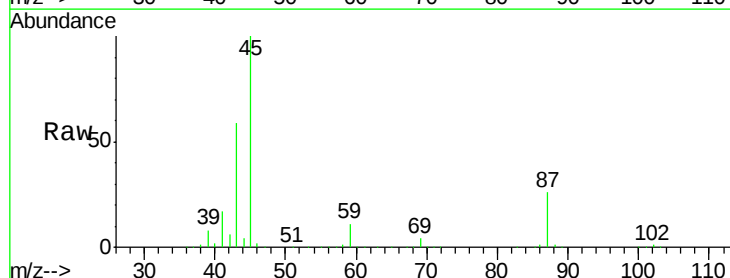
Ion Ratio Lower Upper

45 100

43 57.7 48.3 72.5

87 25.8 20.8 31.2

59 11.2 8.8 13.2



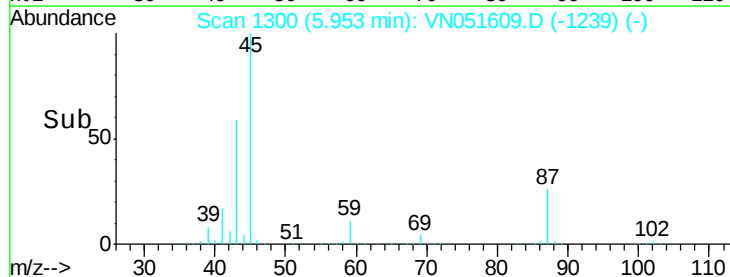
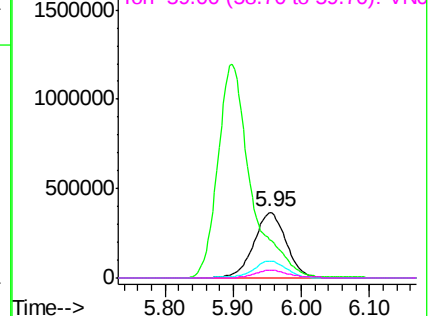
Abundance

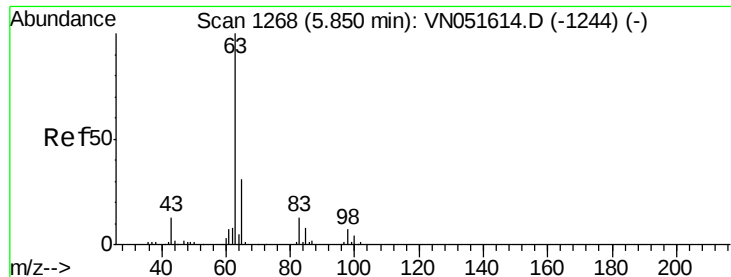
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

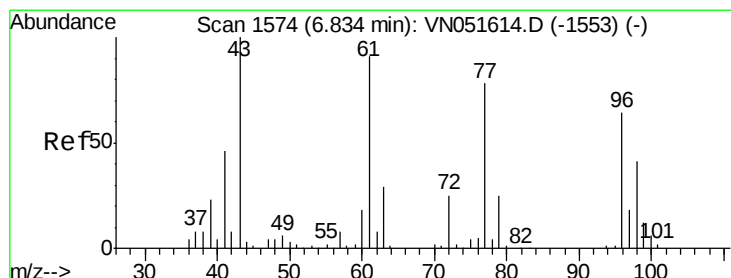
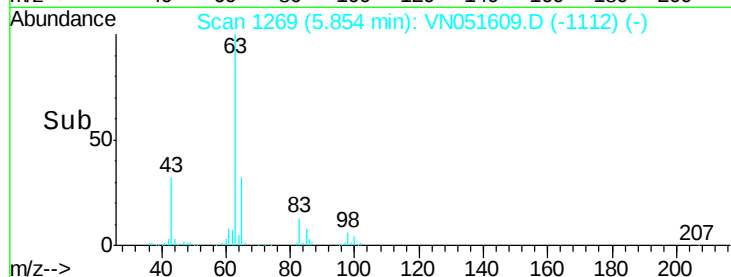
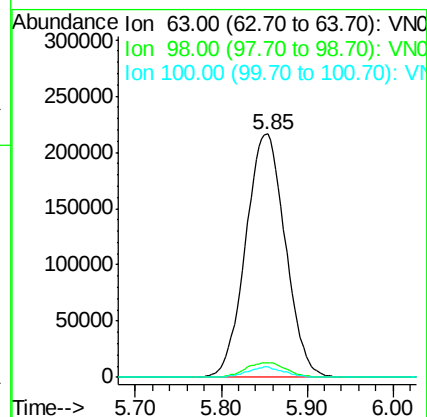
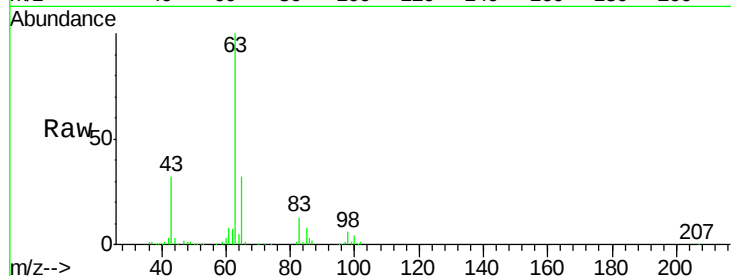




#21
 1,1-Dichloroethane
 Concen: 50.375 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

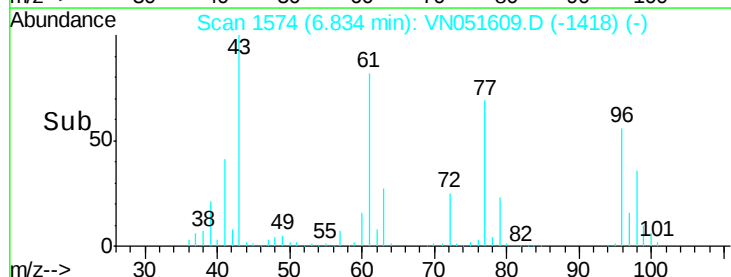
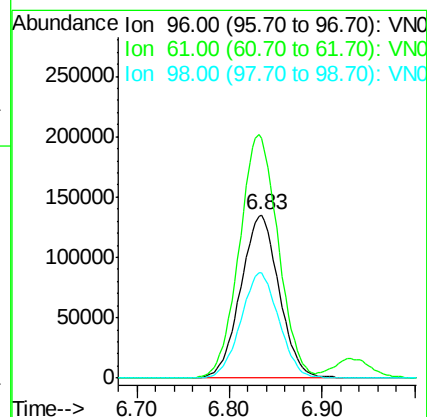
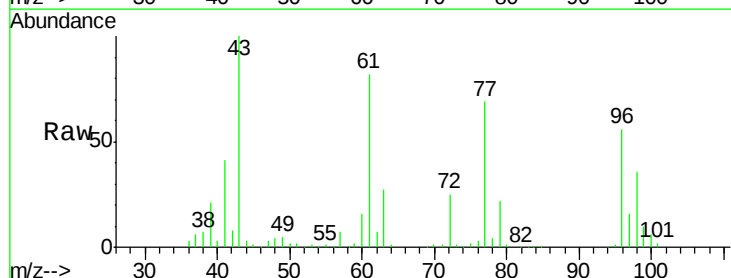
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

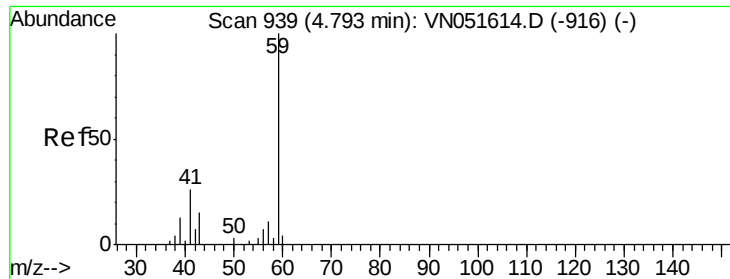
Tgt Ion: 63 Resp: 694503
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.3 9.9
 100 4.3 2.0 5.8



#22
 cis-1,2-Dichloroethene
 Concen: 50.976 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion: 96 Resp: 387385
 Ion Ratio Lower Upper
 96 100
 61 151.5 120.4 180.6
 98 64.2 51.4 77.0



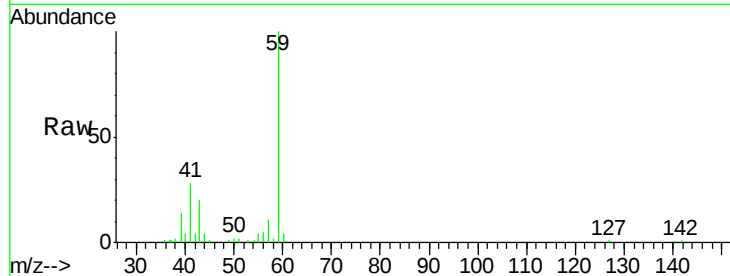


#23

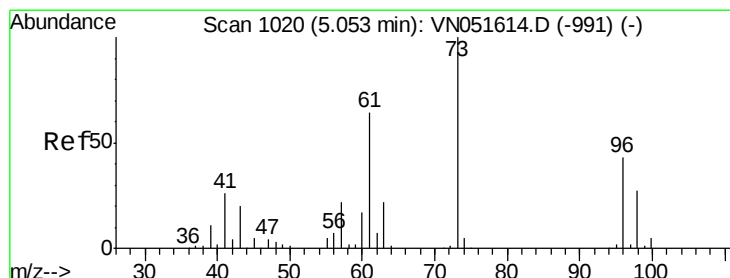
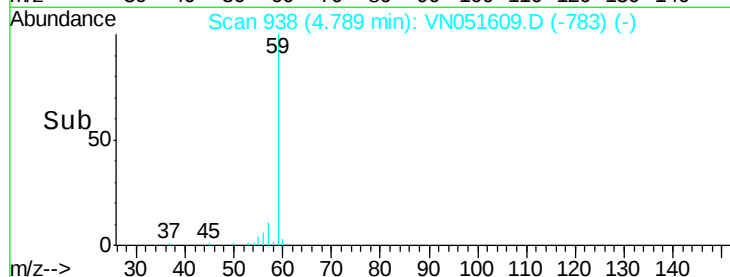
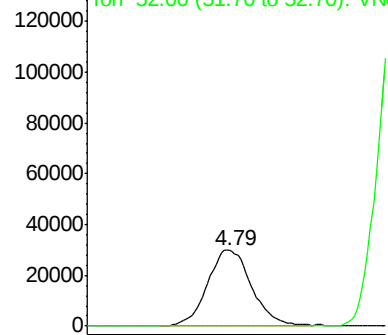
tert-Butyl Alcohol
Concen: 248.156 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 109563
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



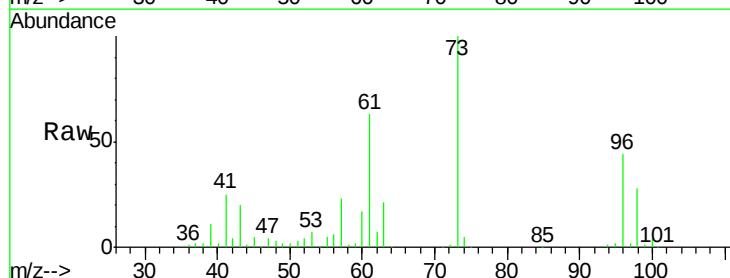
Abundance Ion 59.00 (58.70 to 59.70): VN051614.D (-916) (-)
Ion 52.00 (51.70 to 52.70): VN051614.D (-916) (-)



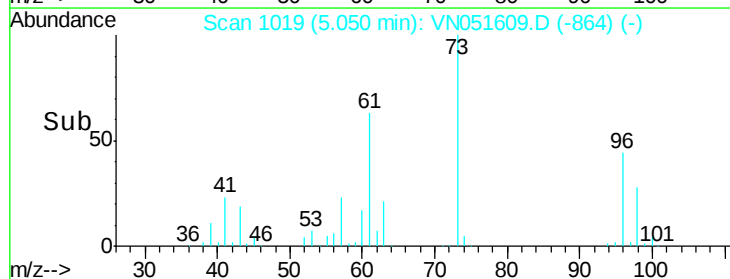
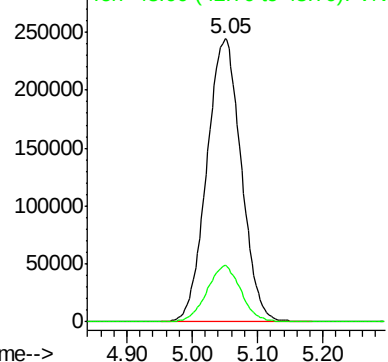
#24

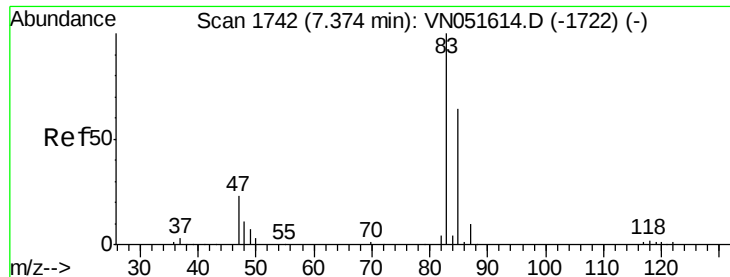
Methyl tert-Butyl Ether
Concen: 51.880 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 73 Resp: 893766
Ion Ratio Lower Upper
73 100
43 19.3 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VN051614.D (-991) (-)
Ion 43.00 (42.70 to 43.70): VN051614.D (-991) (-)

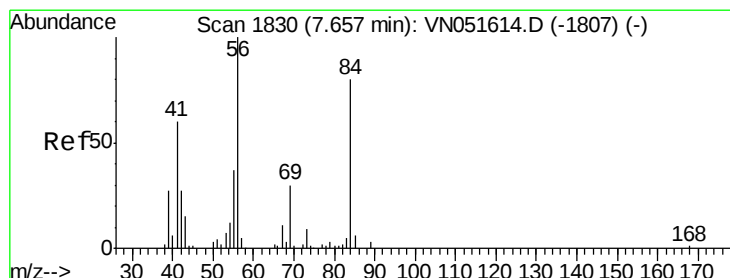
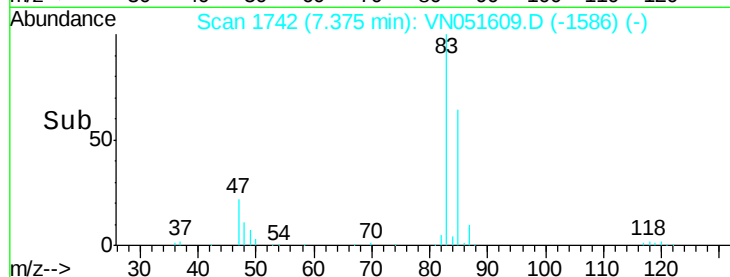
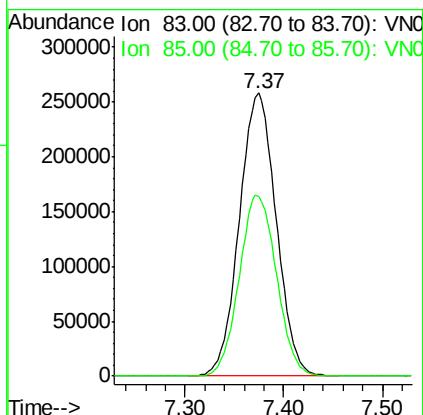
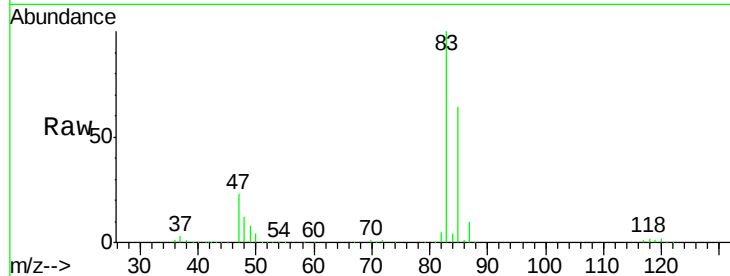




#25
Chloroform
Concen: 50.684 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

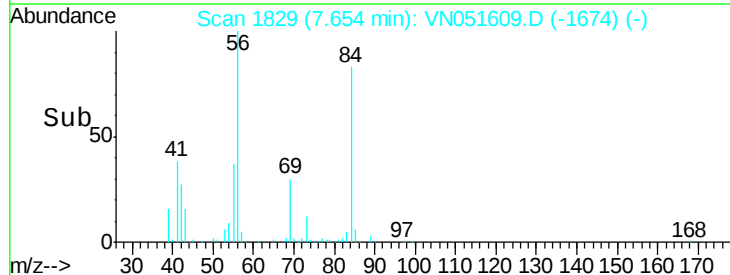
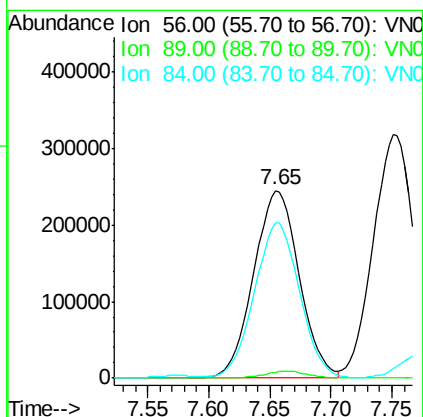
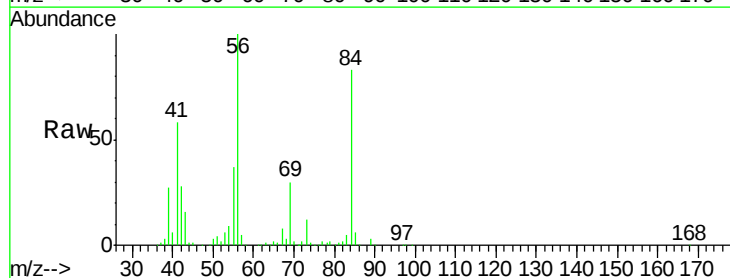
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

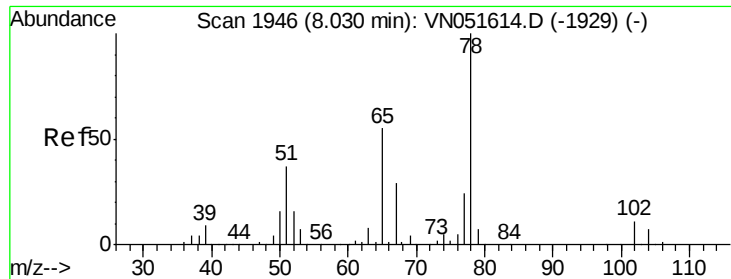
Tgt Ion: 83 Resp: 668126
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.0



#26
Cyclohexane
Concen: 53.295 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 56 Resp: 635844
Ion Ratio Lower Upper
56 100
89 3.5 2.2 3.2#
84 82.4 65.0 97.4





#27

1,2-Dichloroethane-d4

Concen: 53.295 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

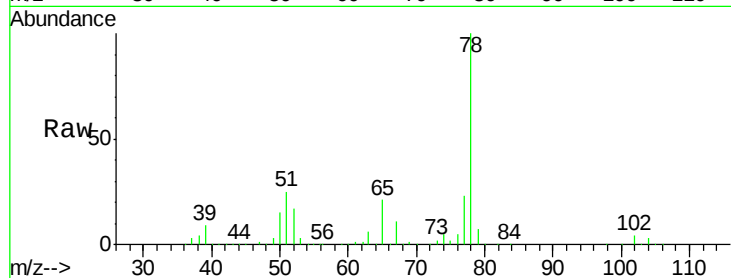
VSTDIC050

Tgt Ion: 65 Resp: 227013

Ion Ratio Lower Upper

65 100

67 55.0 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VN051614.D (-1929) (-)

Ion 67.00 (66.70 to 67.70): VN051614.D (-1929) (-)

8.03

100000

80000

60000

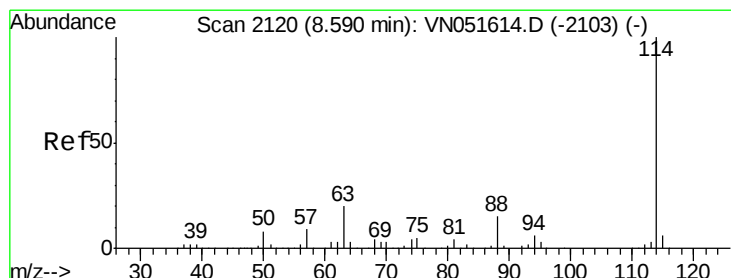
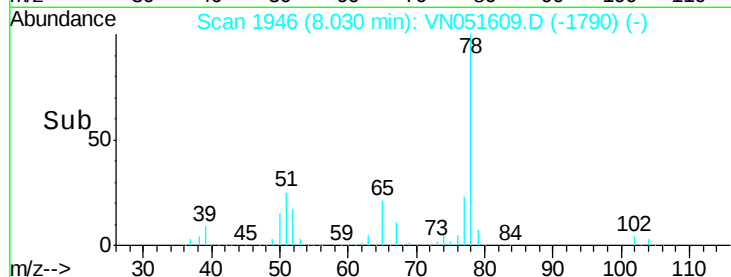
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

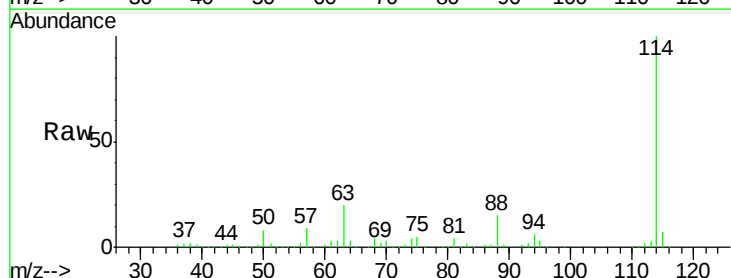
Tgt Ion: 114 Resp: 596741

Ion Ratio Lower Upper

114 100

63 20.5 16.4 24.6

88 15.5 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN051614.D (-2103) (-)

Ion 63.00 (62.70 to 63.70): VN051614.D (-2103) (-)

Ion 88.00 (87.70 to 88.70): VN051614.D (-2103) (-)

8.59

400000

300000

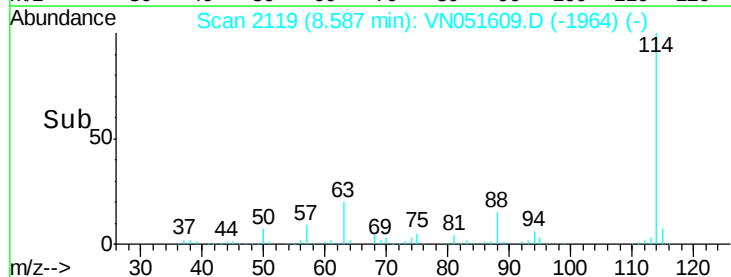
200000

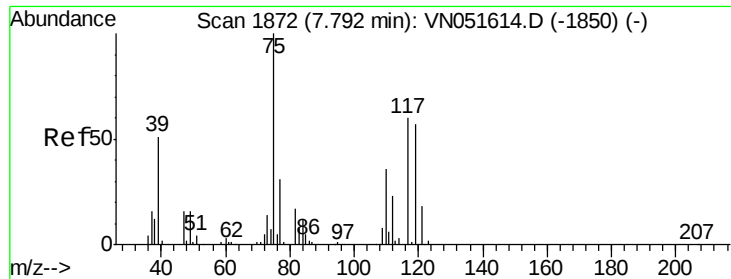
100000

0

8.50 8.55 8.60 8.65

Time-->

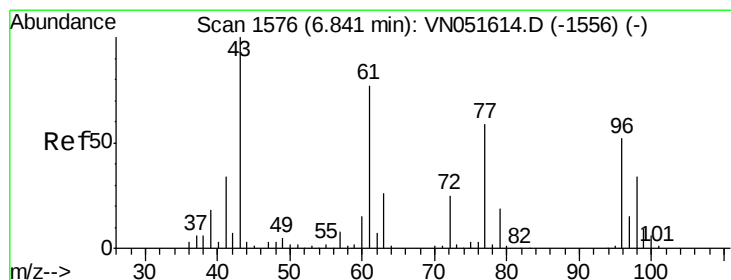
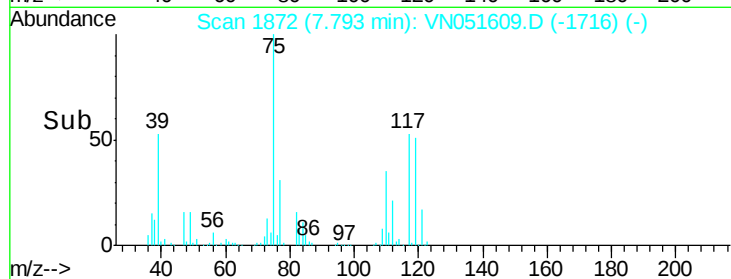
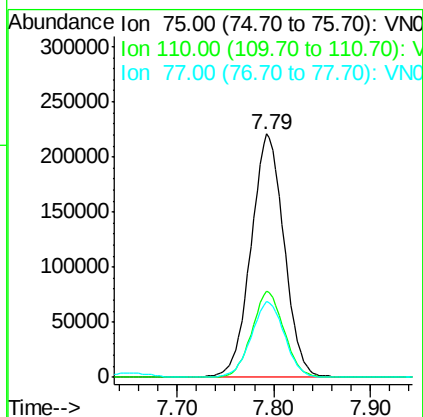
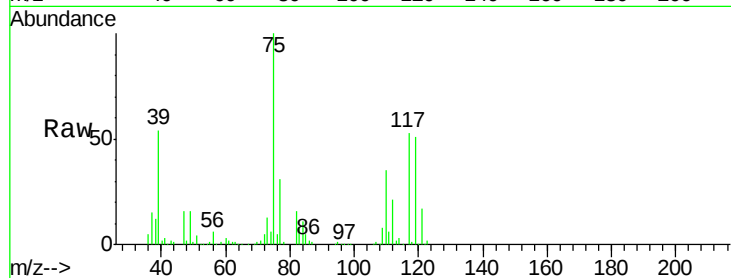




#29
 1,1-Dichloropropene
 Concen: 51.502 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

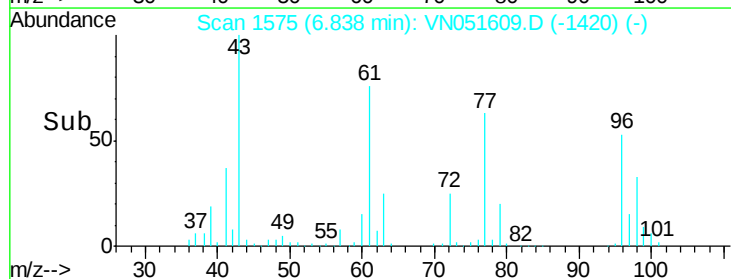
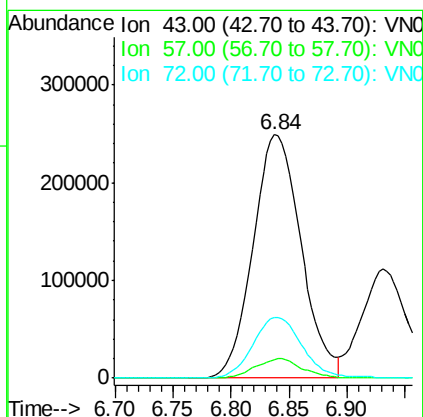
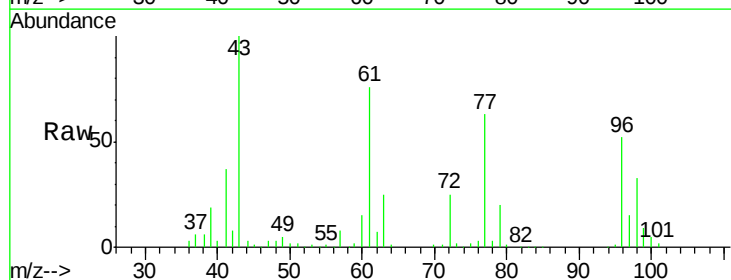
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

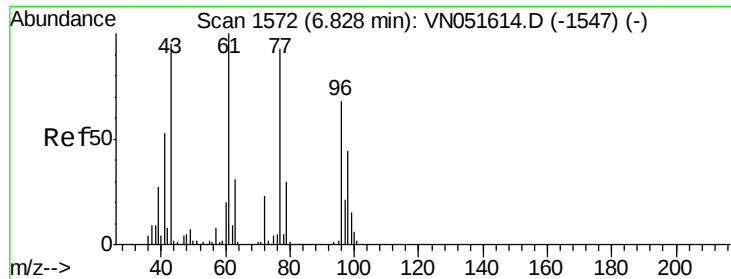
Tgt Ion: 75 Resp: 524062
 Ion Ratio Lower Upper
 75 100
 110 34.4 0.0 71.0
 77 31.4 0.0 62.4



#30
 2-Butanone
 Concen: 258.503 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion: 43 Resp: 715910
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.6 10.0
 72 25.5 20.8 31.2





#31

2,2-Dichloropropane

Concen: 50.656 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

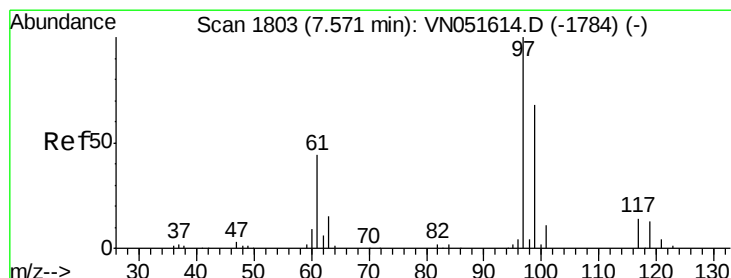
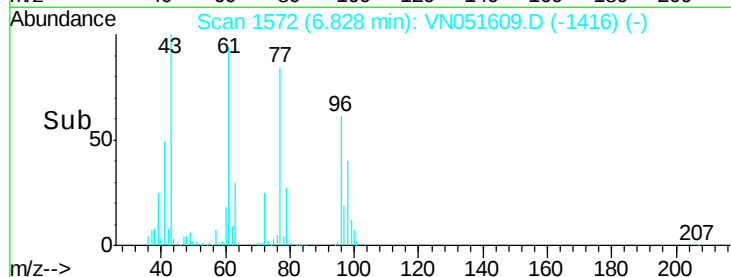
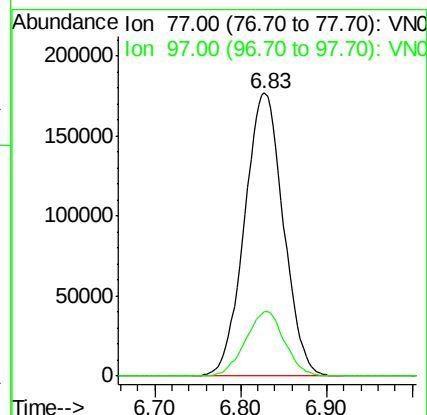
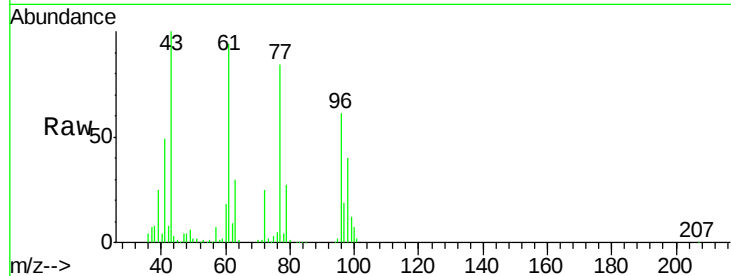
VSTDIC050

Tgt Ion: 77 Resp: 556321

Ion Ratio Lower Upper

77 100

97 23.0 18.6 28.0



#32

1,1,1-Trichloroethane

Concen: 49.973 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

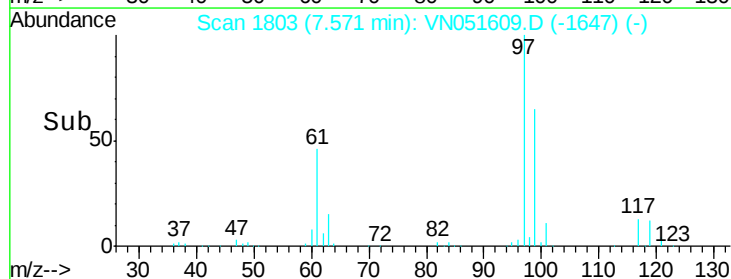
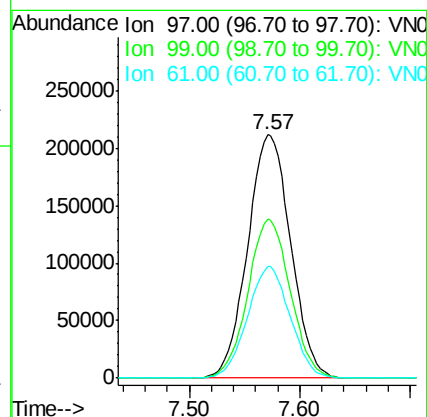
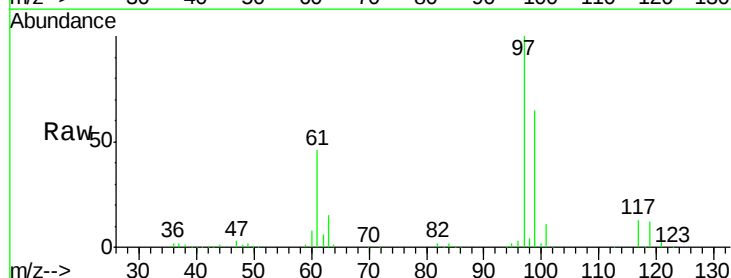
Tgt Ion: 97 Resp: 571348

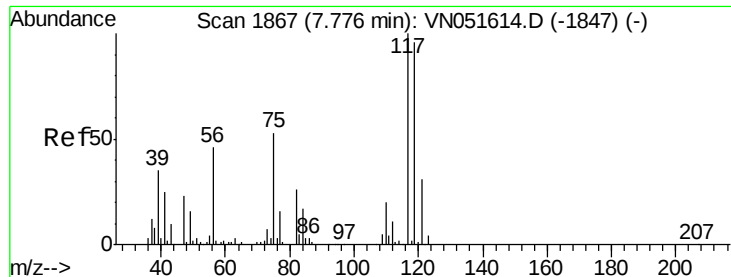
Ion Ratio Lower Upper

97 100

99 64.4 52.2 78.4

61 45.5 36.2 54.4

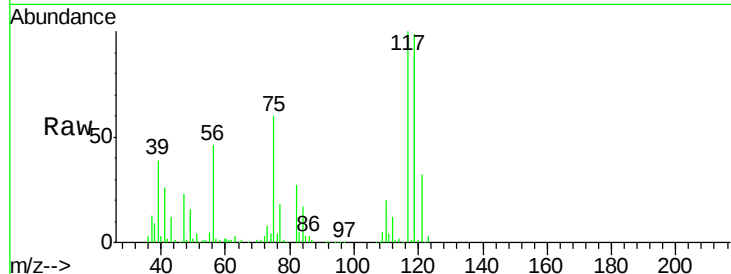




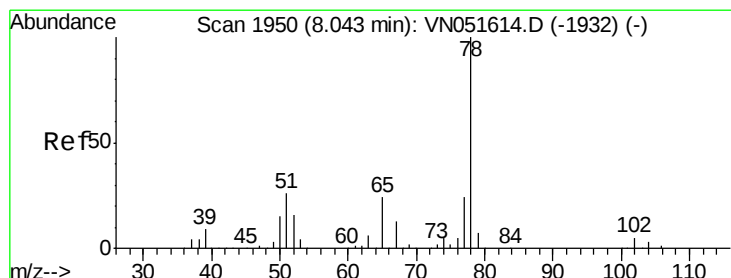
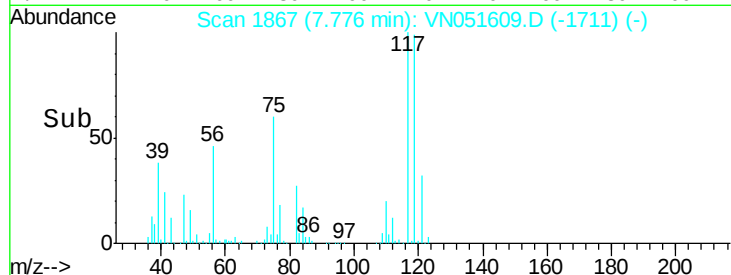
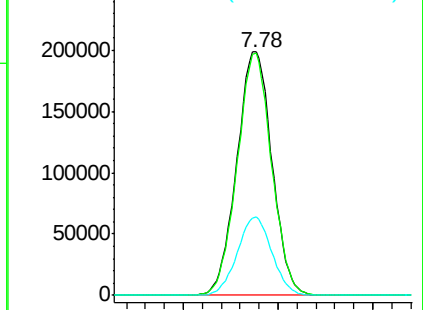
#33
Carbon Tetrachloride
Concen: 50.006 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion: 117 Resp: 513859
Ion Ratio Lower Upper
117 100
119 99.3 76.5 114.7
121 32.2 25.0 37.6

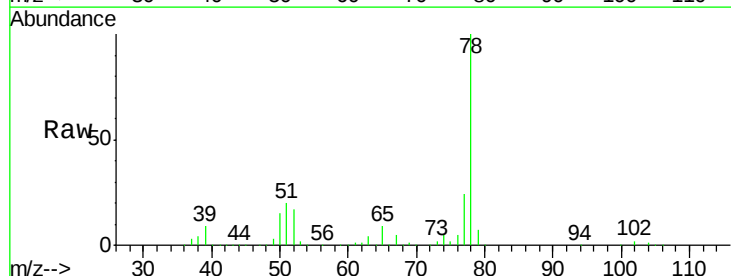


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

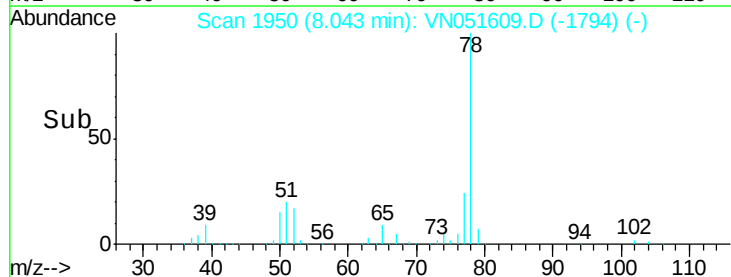
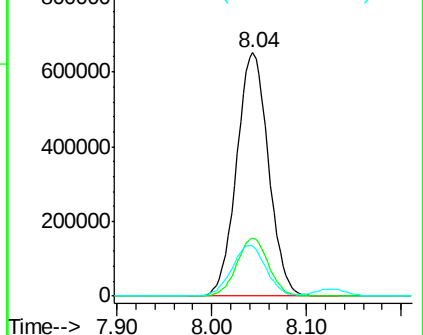


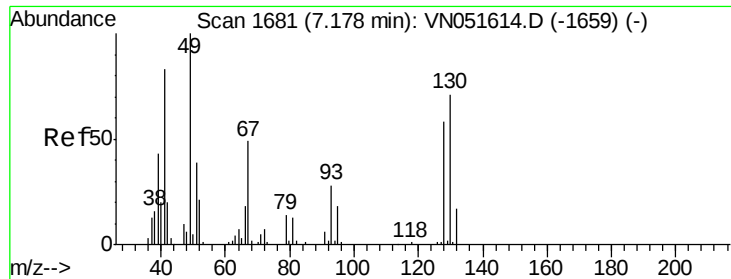
#34
Benzene
Concen: 50.533 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 78 Resp: 1525570
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
51 20.4 20.8 31.2#



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

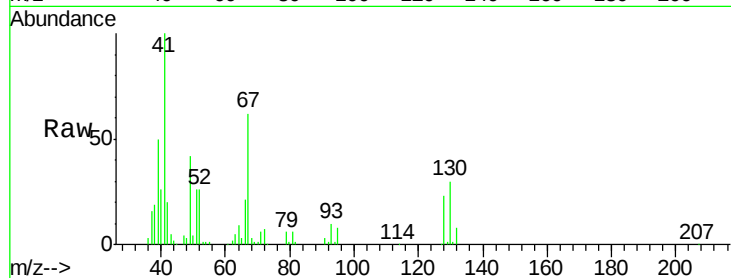




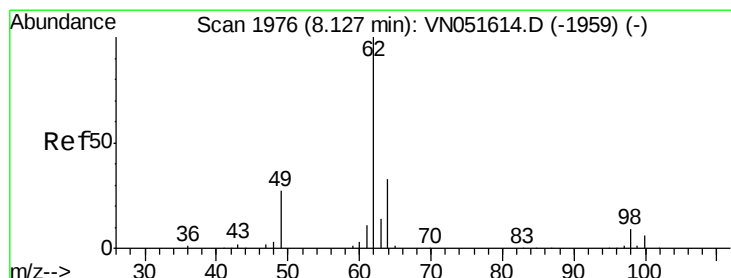
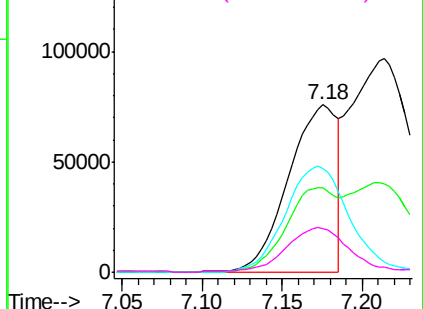
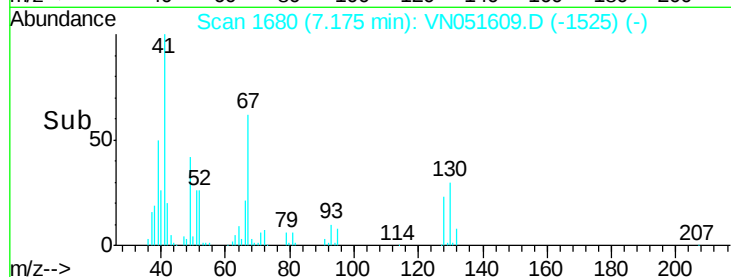
#35
Methacrylonitrile
Concen: 50.185 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion:	41	Resp:	161104
Ion	Ratio	Lower	Upper
41	100		
39	50.2	25.6	76.8
67	62.4	29.4	88.2
52	26.0	12.5	37.5

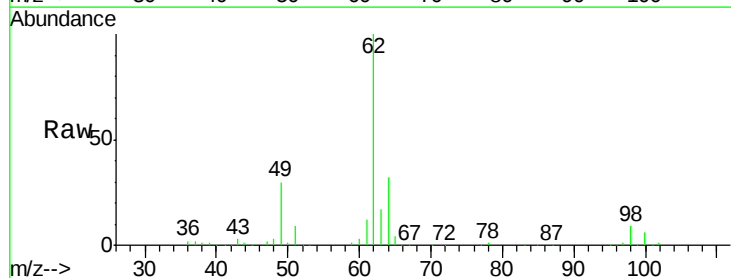


Abundance Ion 41.00 (40.70 to 41.70): VN051609.D (-1525) (-)
Ion 39.00 (38.70 to 39.70): VN051609.D (-1525) (-)
Ion 67.00 (66.70 to 67.70): VN051609.D (-1525) (-)
Ion 52.00 (51.70 to 52.70): VN051609.D (-1525) (-)

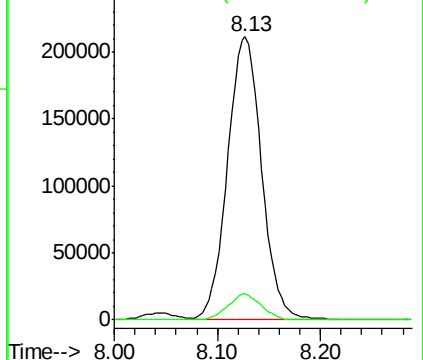
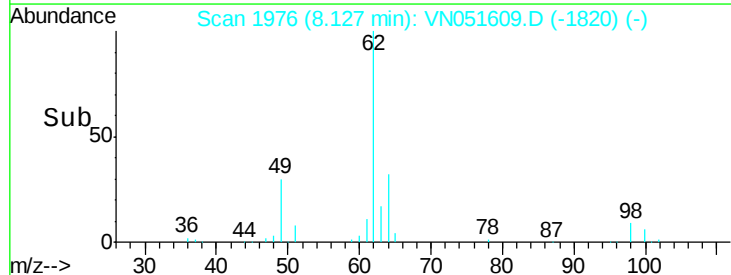


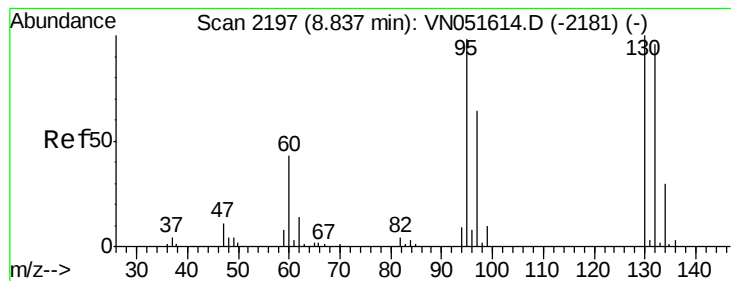
#36
1,2-Dichloroethane
Concen: 50.288 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion:	62	Resp:	483917
Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.2



Abundance Ion 62.00 (61.70 to 62.70): VN051609.D (-1820) (-)
Ion 98.00 (97.70 to 98.70): VN051609.D (-1820) (-)





#37

Trichloroethene

Concen: 50.139 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

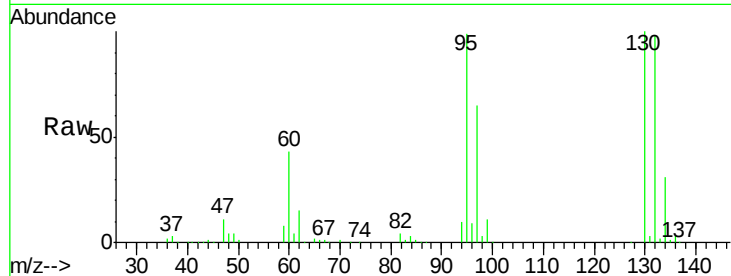
VSTDIC050

Tgt Ion: 130 Resp: 388620

Ion Ratio Lower Upper

130 100

95 98.4 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

200000

150000

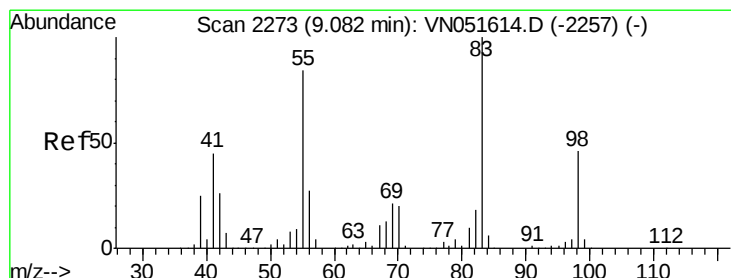
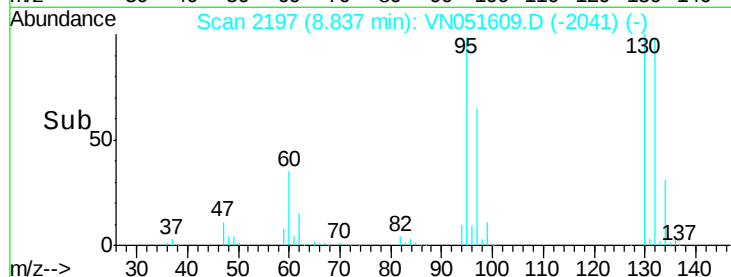
100000

50000

0

Time-->

8.75 8.80 8.85 8.90 8.95



#38

Methylcyclohexane

Concen: 52.485 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

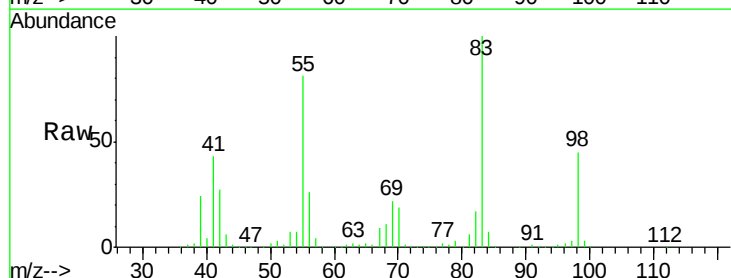
Tgt Ion: 83 Resp: 616264

Ion Ratio Lower Upper

83 100

55 80.9 41.6 124.9

98 45.3 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

400000

300000

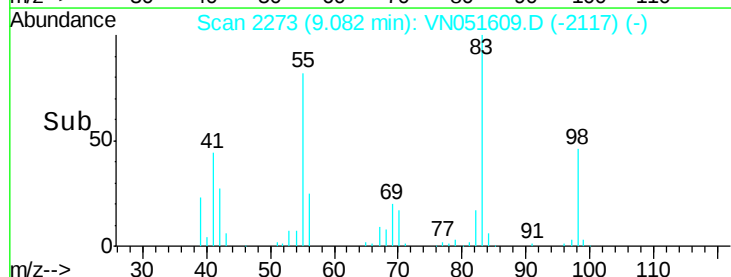
200000

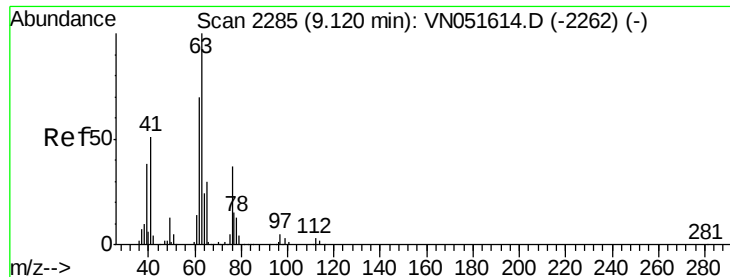
100000

0

Time-->

9.00 9.10 9.20





#39

1,2-Dichloropropane

Concen: 50.387 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

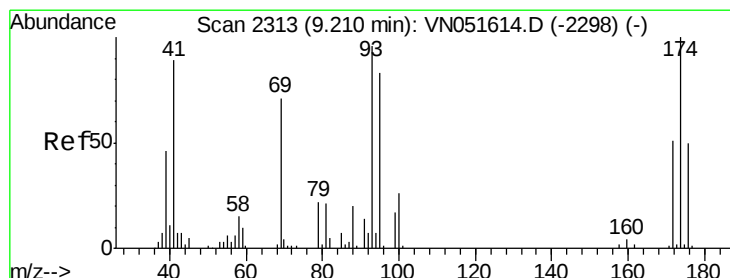
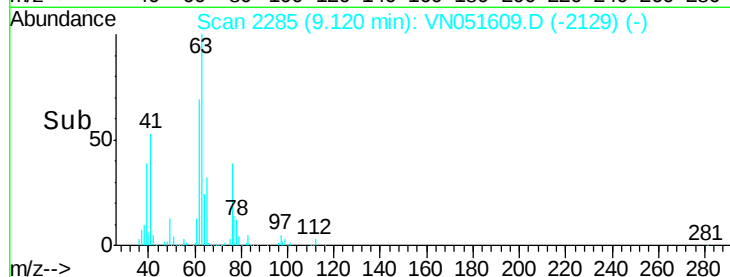
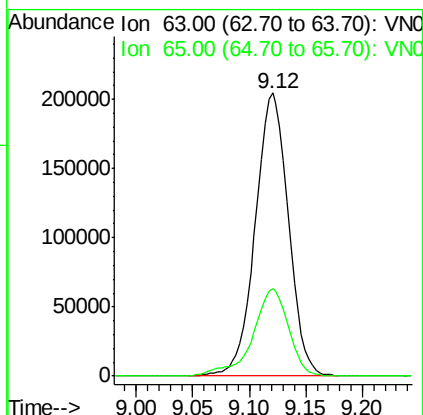
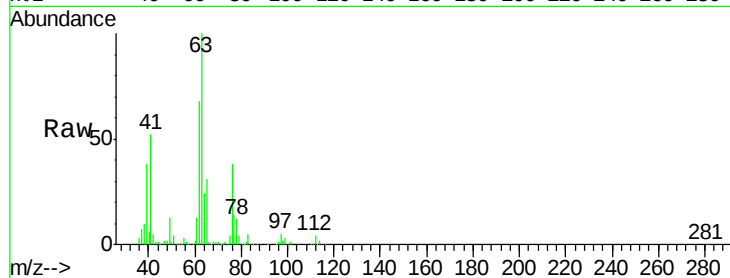
VSTDIC050

Tgt Ion: 63 Resp: 416810

Ion Ratio Lower Upper

63 100

65 30.8 24.4 36.6



#40

Dibromomethane

Concen: 50.544 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

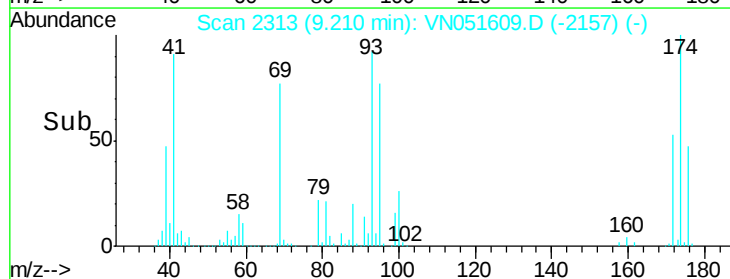
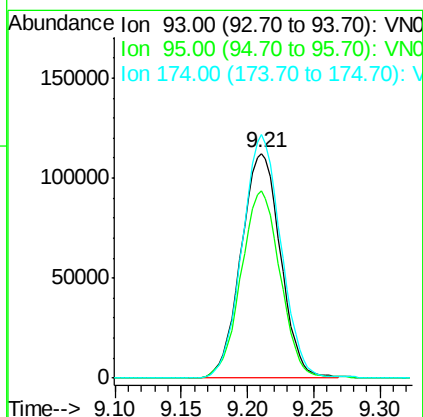
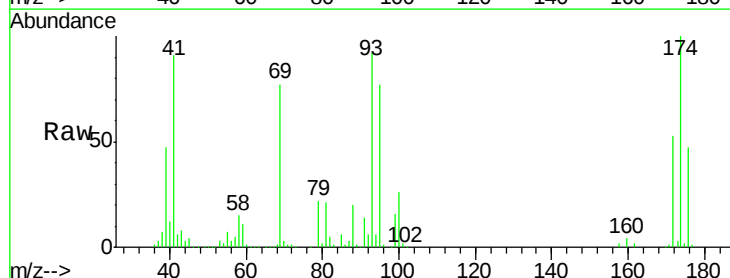
Tgt Ion: 93 Resp: 232262

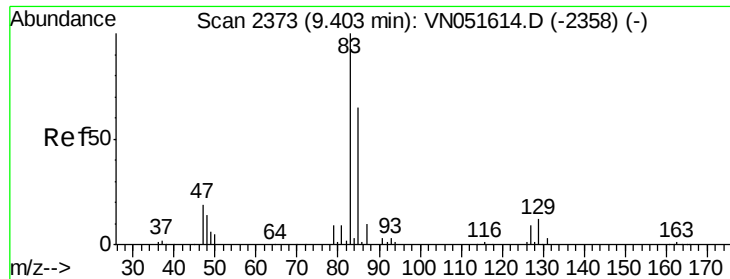
Ion Ratio Lower Upper

93 100

95 82.9 0.0 171.0

174 106.2 0.0 212.0

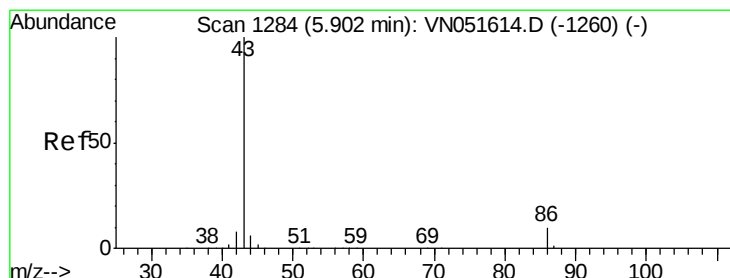
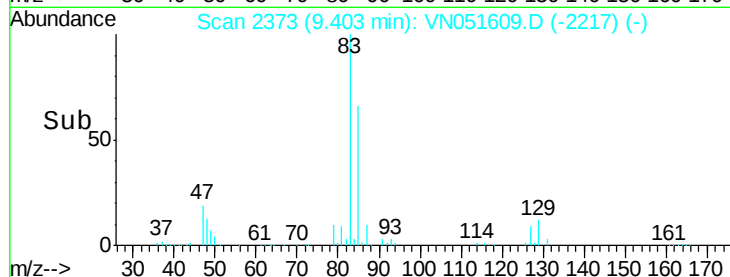
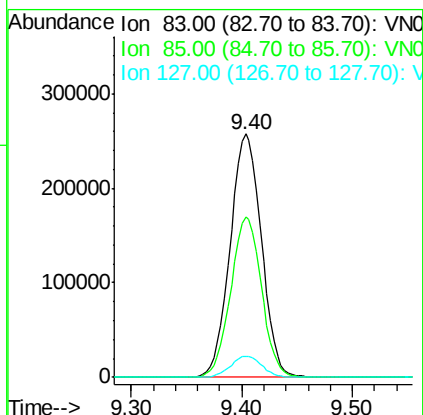
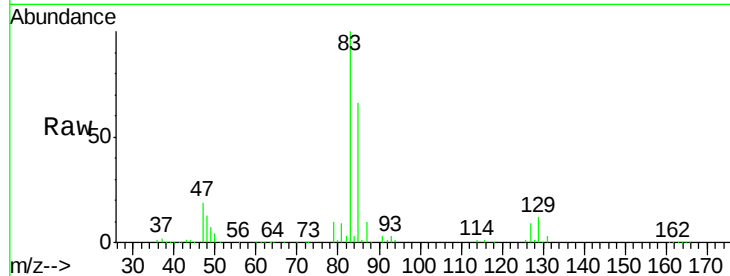




#41
Bromodichloromethane
Concen: 50.513 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

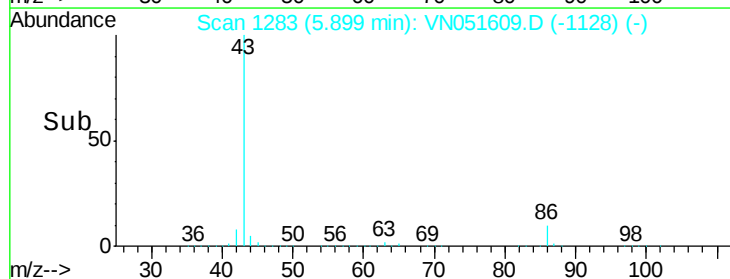
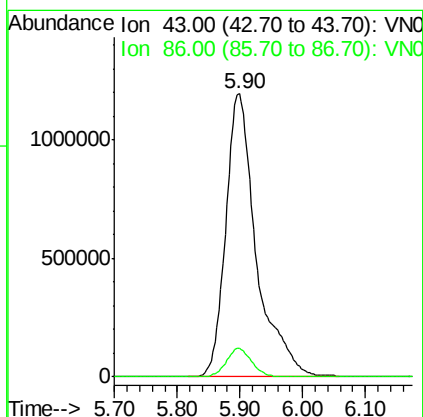
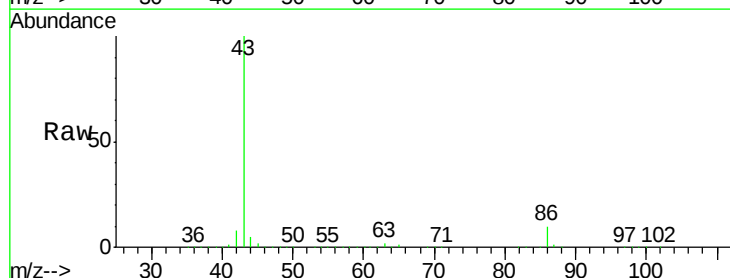
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

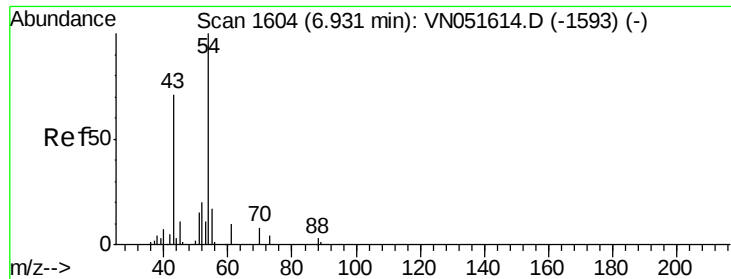
Tgt Ion: 83 Resp: 506671
Ion Ratio Lower Upper
83 100
85 66.0 52.1 78.1
127 8.7 7.1 10.7



#42
Vinyl Acetate
Concen: 262.380 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 43 Resp: 4045351
Ion Ratio Lower Upper
43 100
86 8.5 6.6 9.8

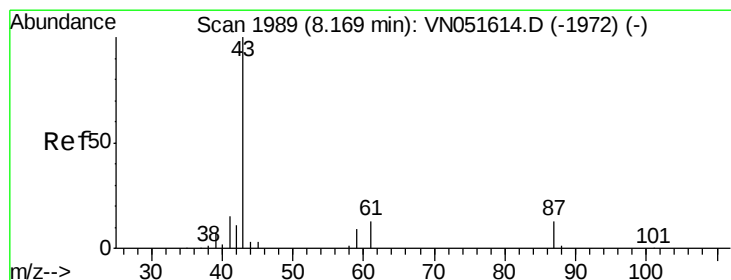
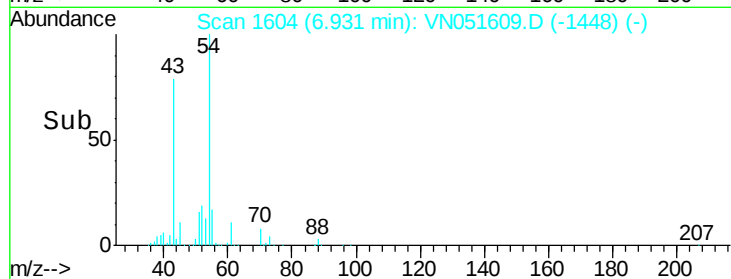
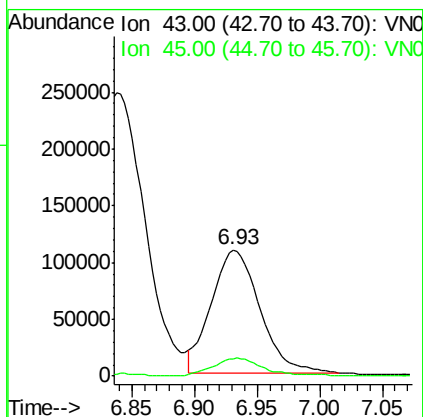
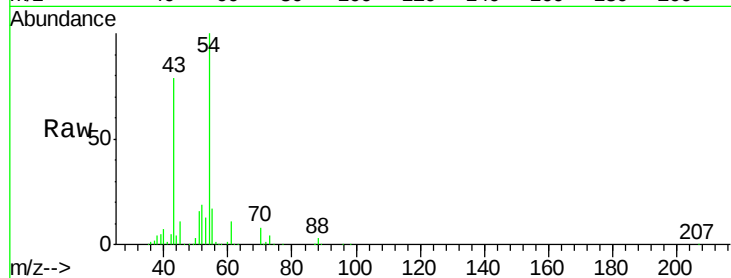




#43
Ethyl Acetate
Concen: 49.981 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

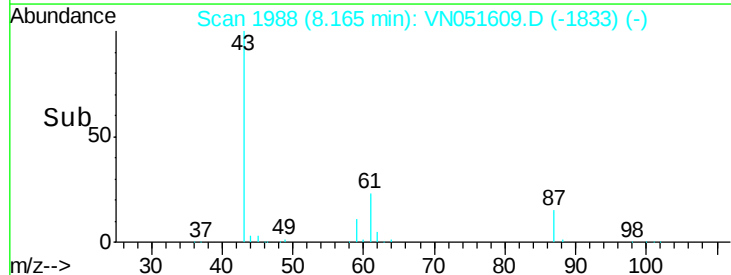
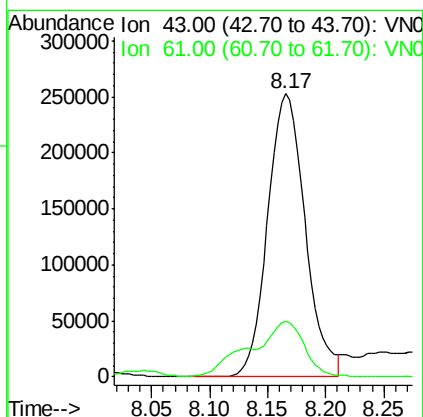
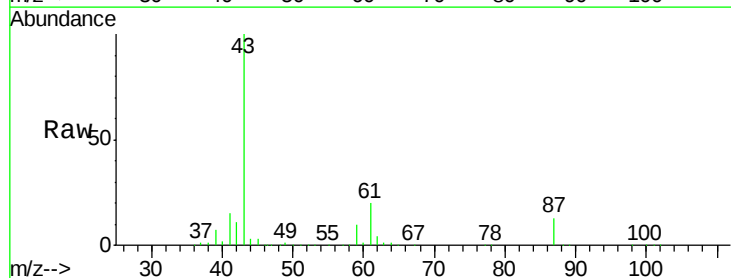
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

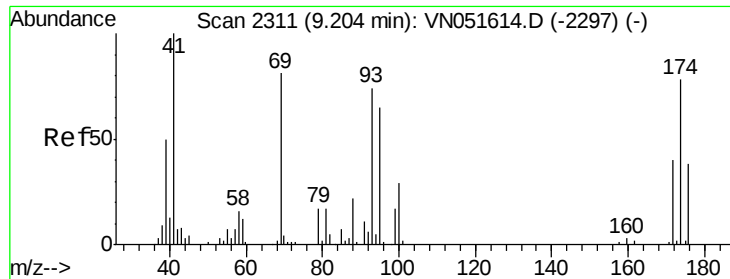
Tgt Ion: 43 Resp: 292994
Ion Ratio Lower Upper
43 100
45 13.5 10.6 16.0



#44
Isopropyl Acetate
Concen: 49.358 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 43 Resp: 566536
Ion Ratio Lower Upper
43 100
61 18.4 15.4 23.0





#45

1,4-Dioxane

Concen: 1053.796 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

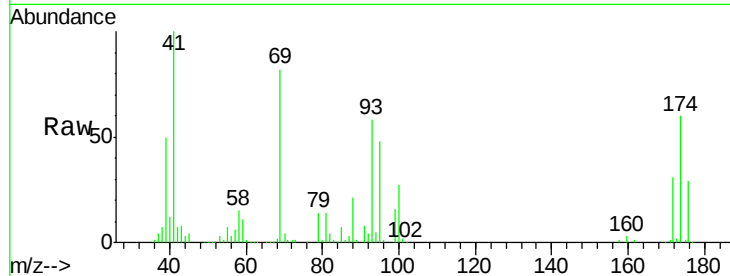
Tgt Ion: 88 Resp: 65343

Ion Ratio Lower Upper

88 100

43 35.6 29.0 43.6

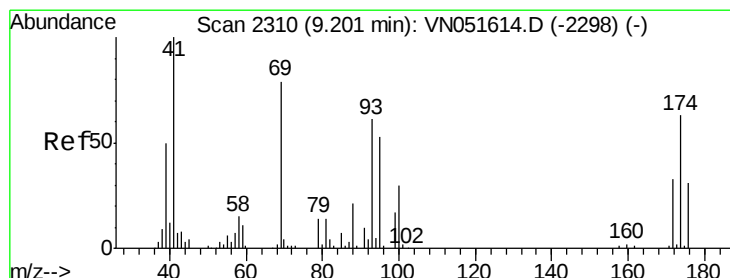
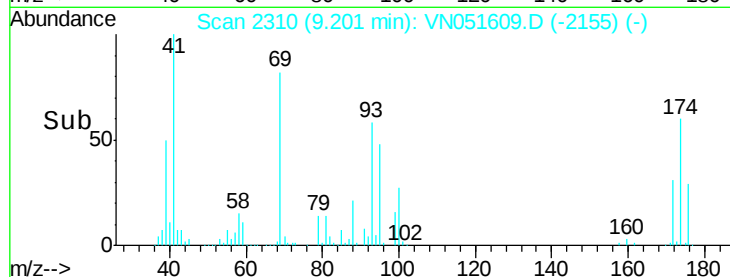
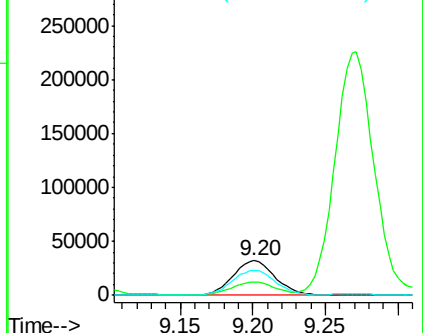
58 73.7 59.0 88.6



Abundance Ion 88.00 (87.70 to 88.70): VN051614.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN051614.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN051614.D (-2297) (-)



#46

Methyl methacrylate

Concen: 52.608 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

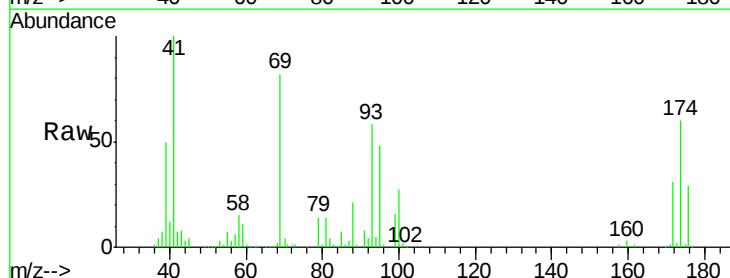
Tgt Ion: 41 Resp: 280898

Ion Ratio Lower Upper

41 100

69 82.7 39.6 118.7

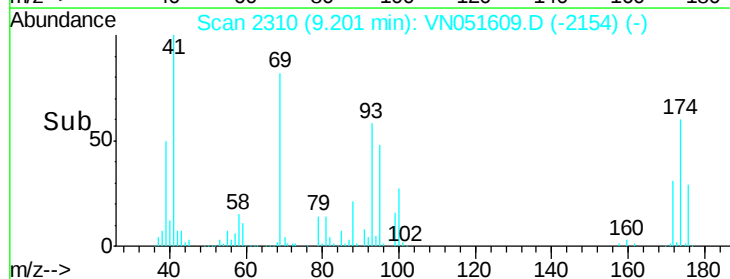
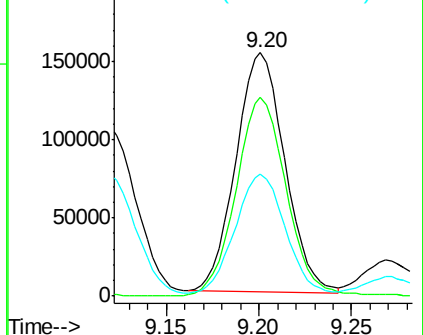
39 49.6 24.9 74.6

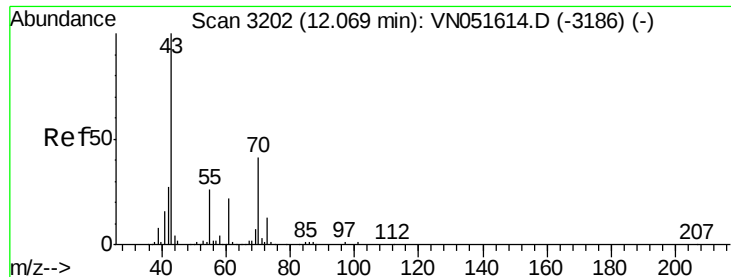


Abundance Ion 41.00 (40.70 to 41.70): VN051614.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN051614.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN051614.D (-2298) (-)

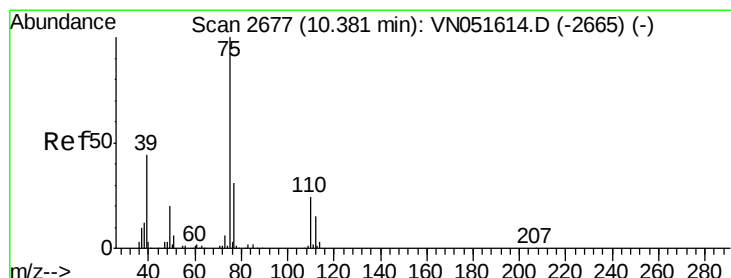
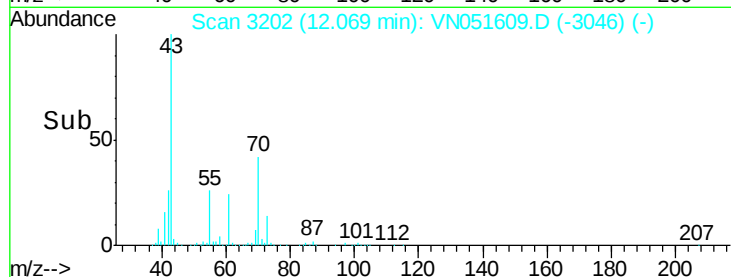
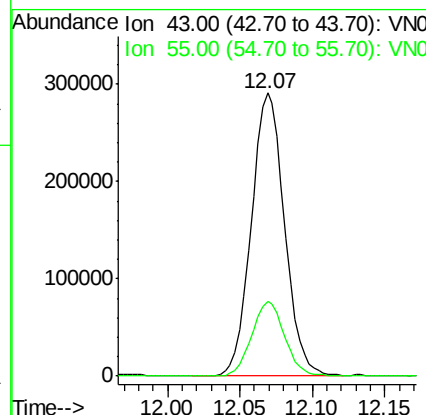
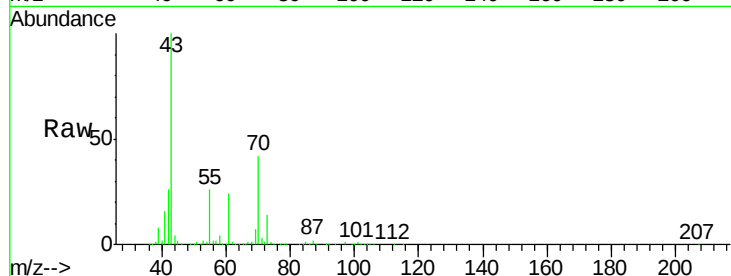




#47
n-amyl Acetate
Concen: 53.845 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

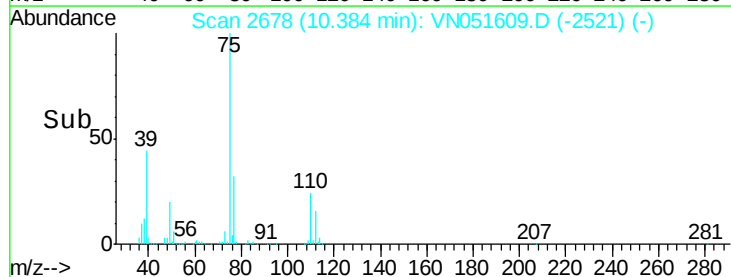
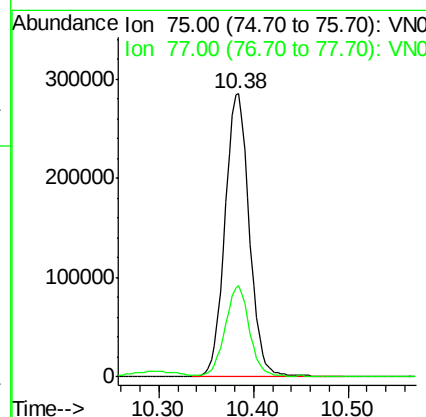
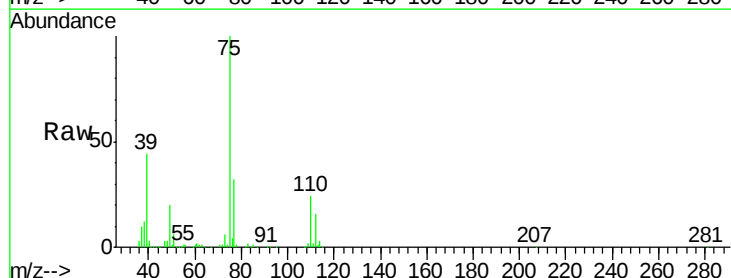
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

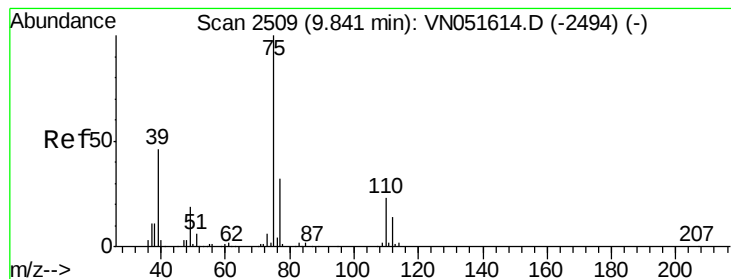
Tgt Ion: 43 Resp: 462425
Ion Ratio Lower Upper
43 100
55 26.4 21.5 32.3



#48
t-1,3-Dichloropropene
Concen: 51.016 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 75 Resp: 510734
Ion Ratio Lower Upper
75 100
77 32.0 26.0 39.0



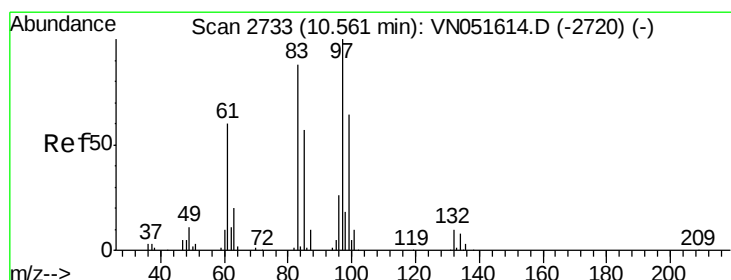
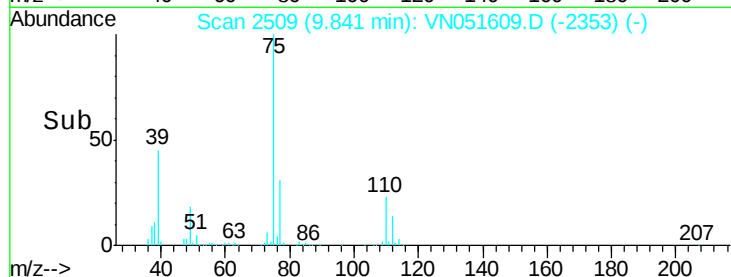
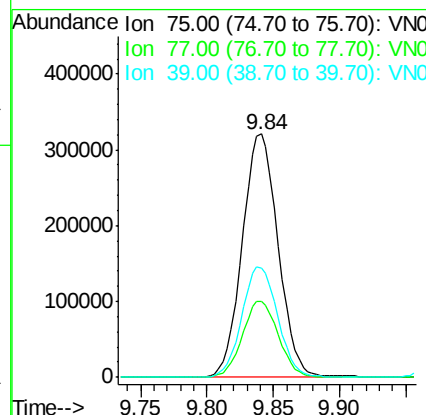
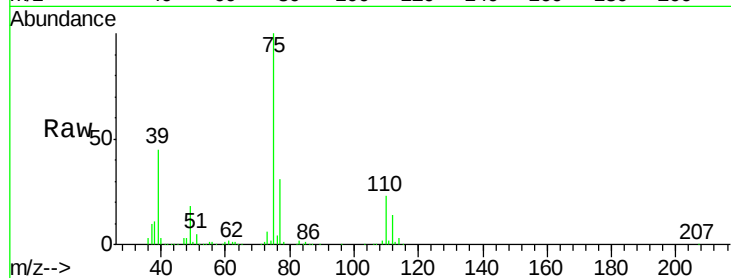


#49

cis-1,3-Dichloropropene
 Concen: 51.387 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

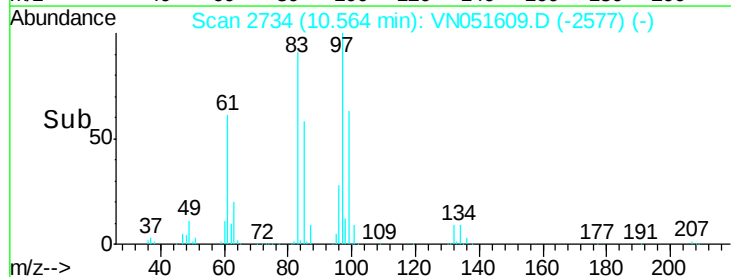
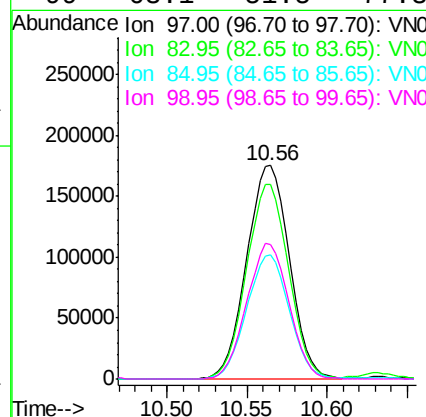
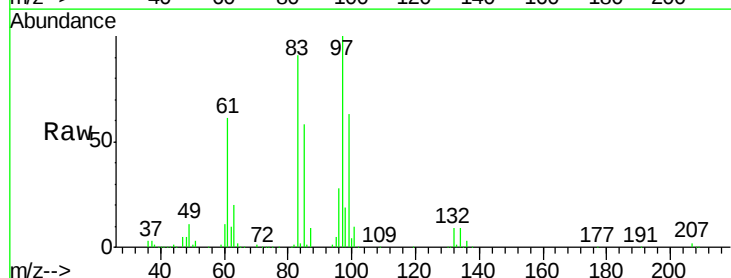
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	45.1	36.6	55.0

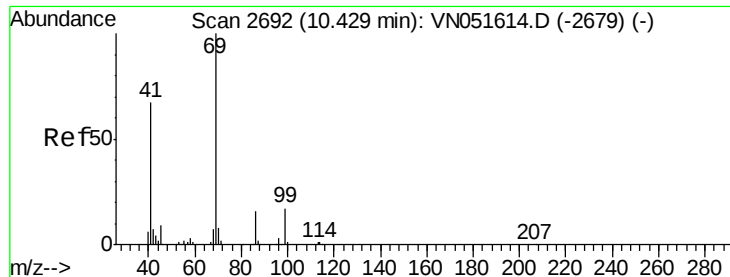


#50

1,1,2-Trichloroethane
 Concen: 49.555 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.2	105.2
85	58.0	45.6	68.4
99	63.1	51.5	77.3





#51

Ethyl methacrylate

Concen: 52.246 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

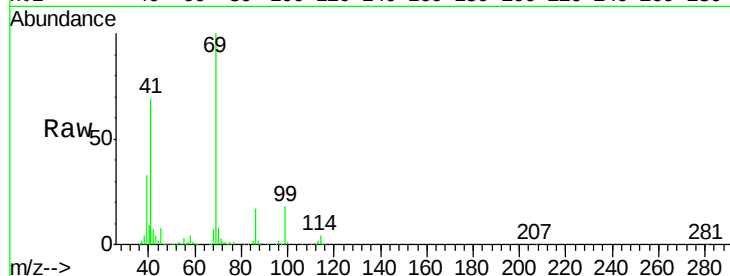
Tgt Ion: 69 Resp: 411646

Ion Ratio Lower Upper

69 100

41 68.3 33.3 99.8

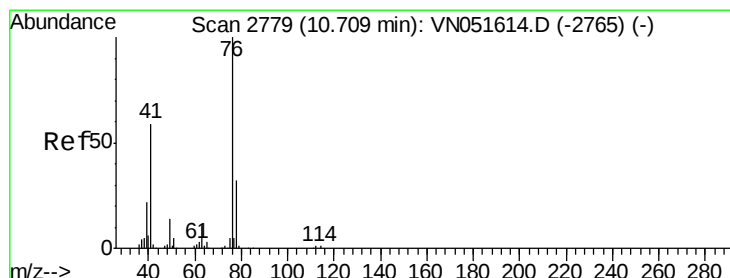
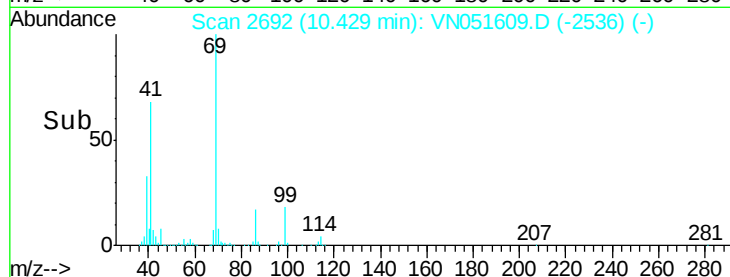
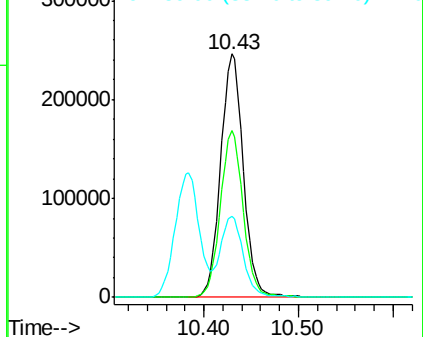
39 33.2 17.2 51.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 50.775 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051609.D

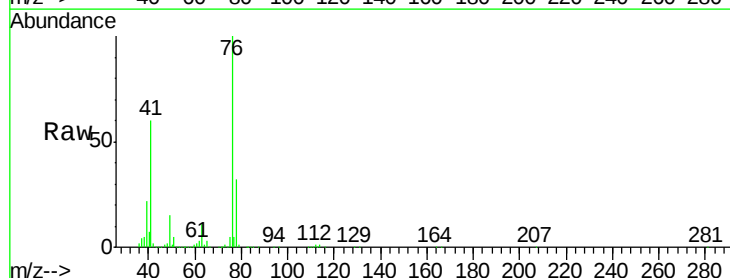
Acq: 28 Sep 2018 9:04

Tgt Ion: 76 Resp: 565354

Ion Ratio Lower Upper

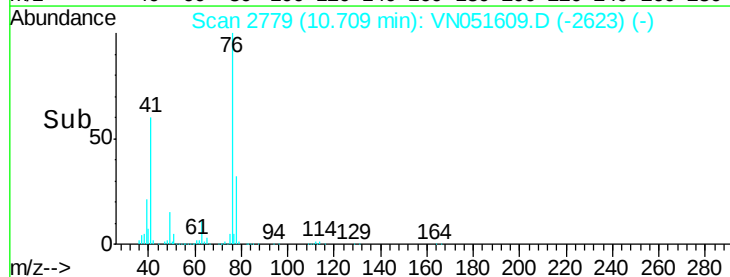
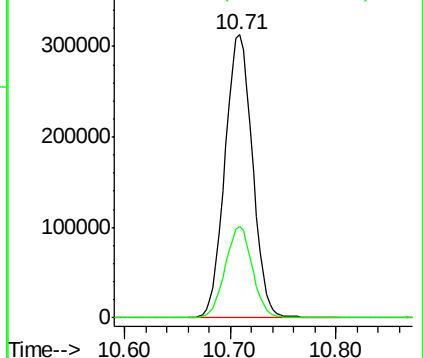
76 100

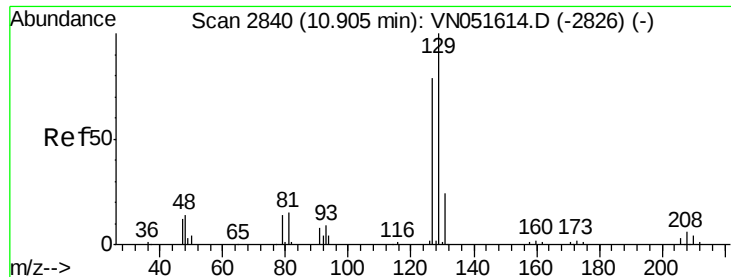
78 31.7 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 50.710 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

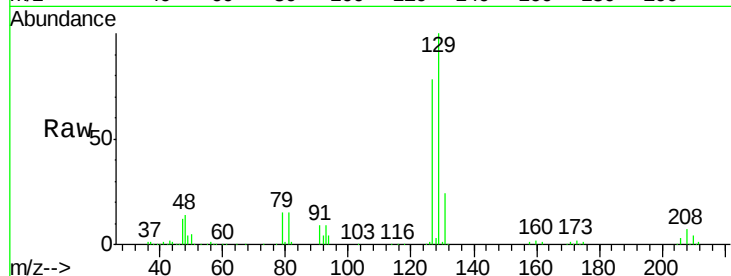
VSTDIC050

Tgt Ion:129 Resp: 375060

Ion Ratio Lower Upper

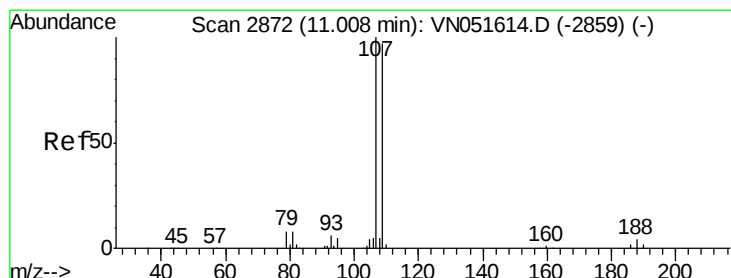
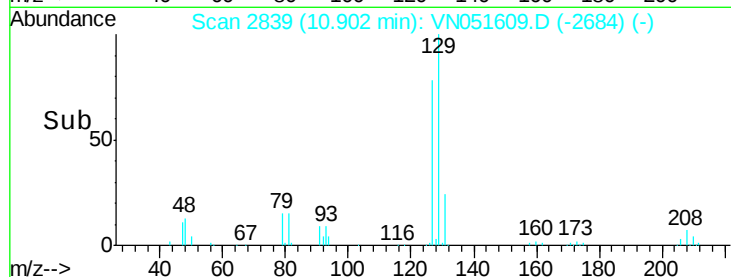
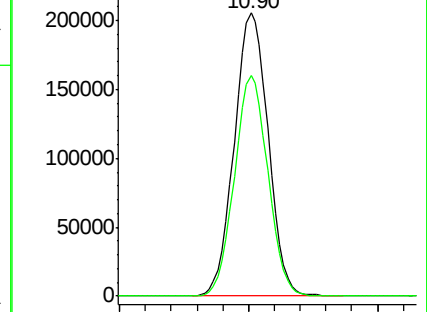
129 100

127 76.9 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 50.899 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051609.D

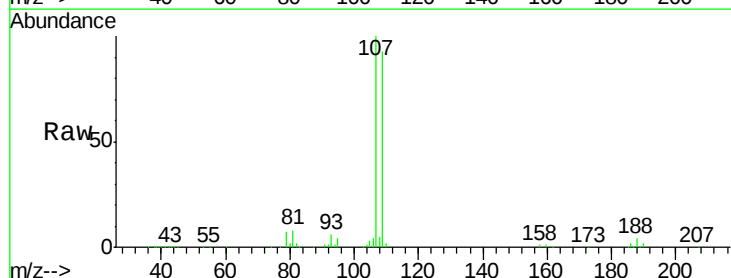
Acq: 28 Sep 2018 9:04

Tgt Ion:107 Resp: 317161

Ion Ratio Lower Upper

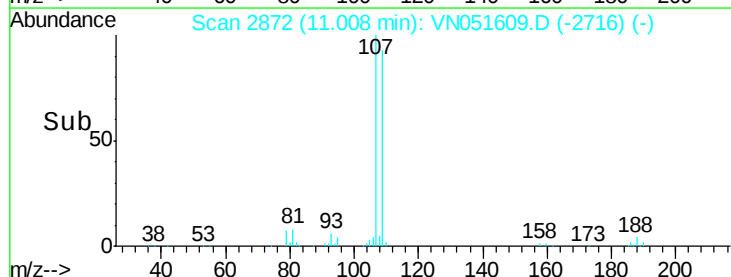
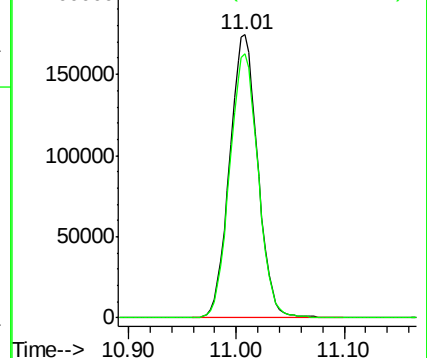
107 100

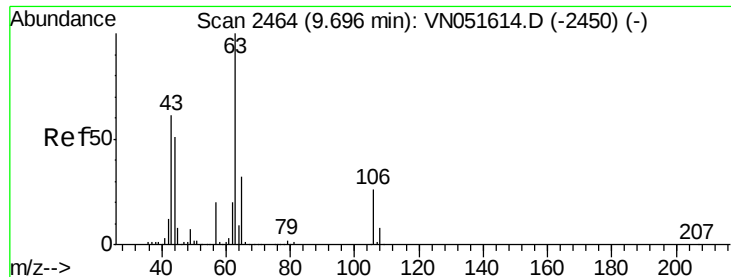
109 94.5 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

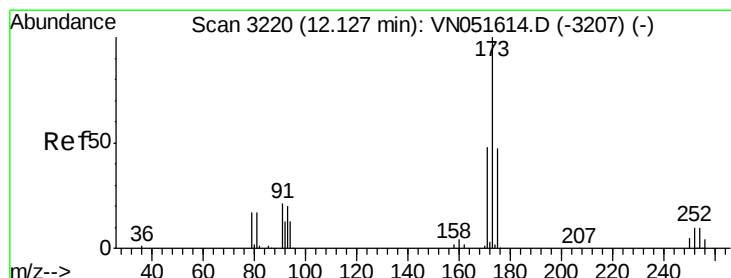
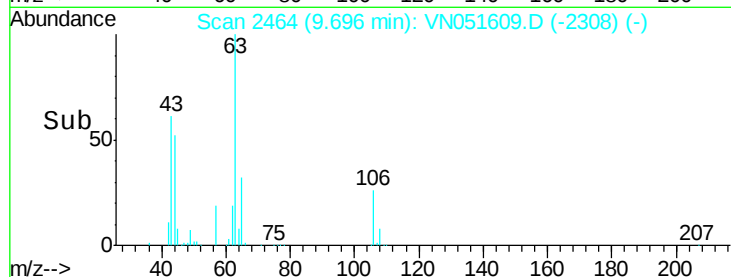
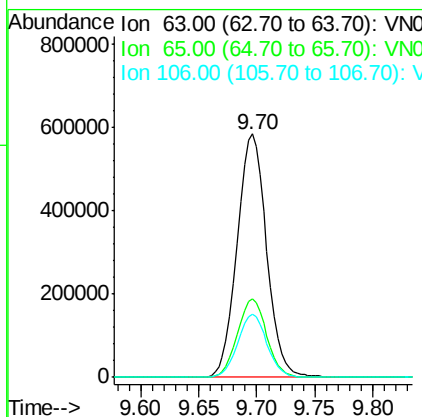
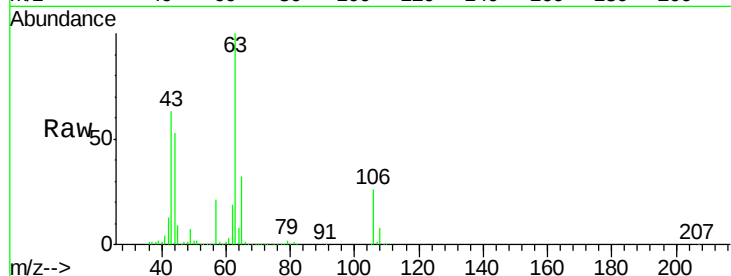




#55
 2-Chloroethyl vinyl ether
 Concen: 263.507 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

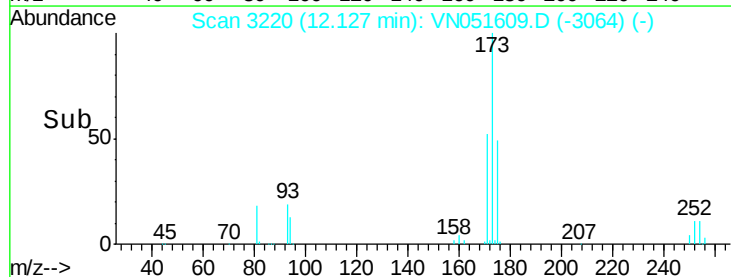
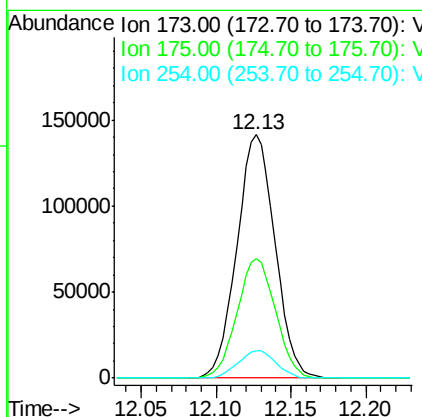
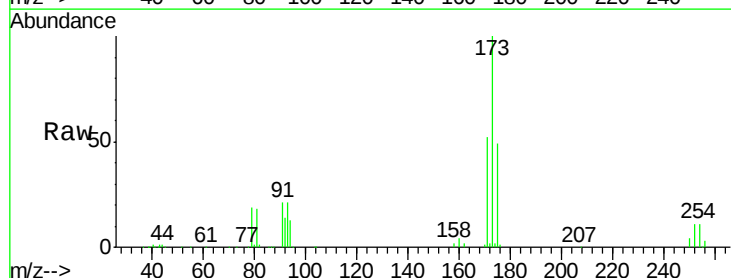
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

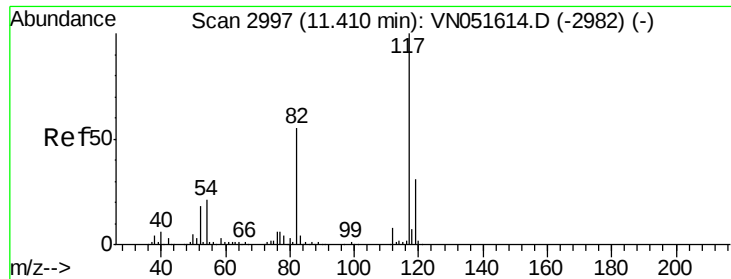
Tgt Ion: 63 Resp: 1026211
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.8 38.6
 106 25.8 20.4 30.6



#56
 Bromoform
 Concen: 51.009 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion: 173 Resp: 250335
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.0 58.4
 254 11.2 8.7 13.1

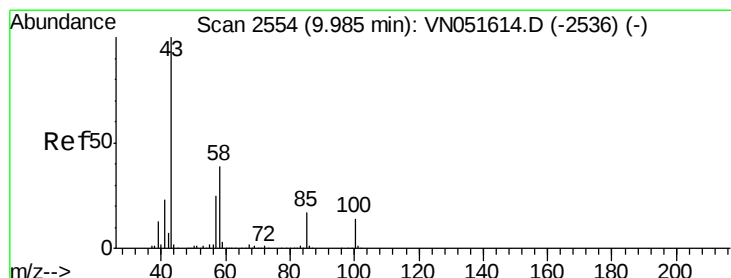
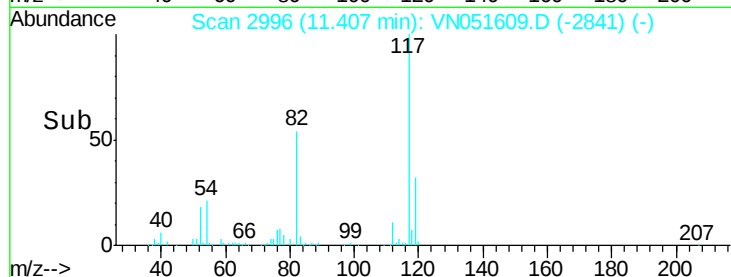
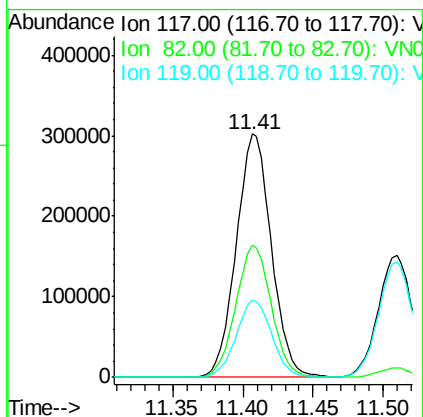
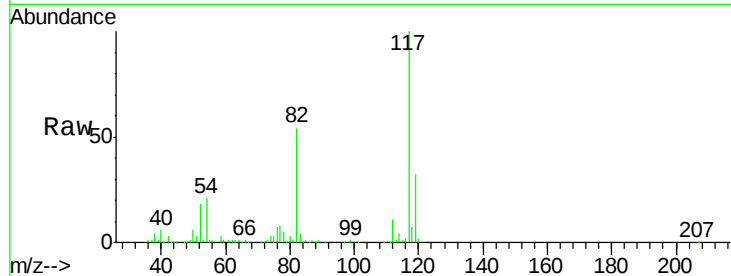




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

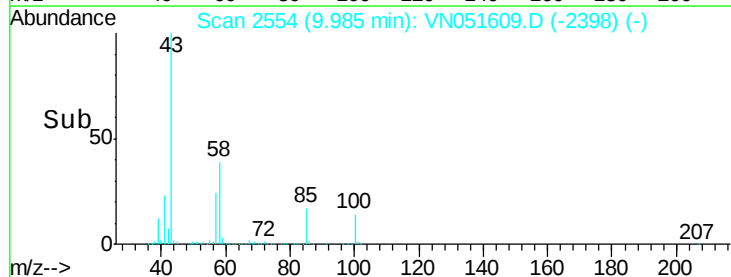
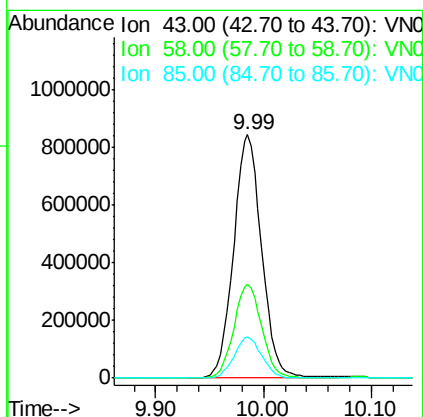
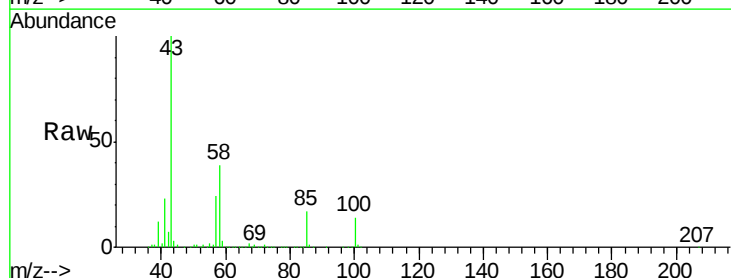
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

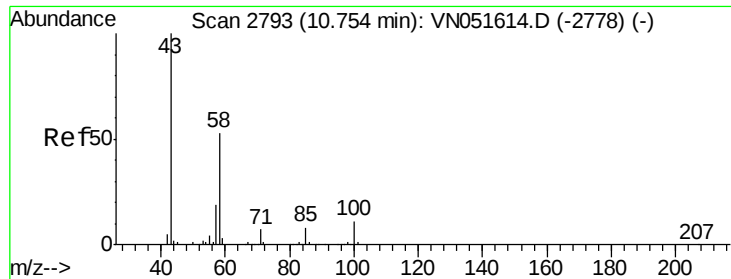
Tgt Ion: 117 Resp: 527746
Ion Ratio Lower Upper
117 100
82 55.0 44.2 66.2
119 32.1 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 254.729 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 43 Resp: 1526293
Ion Ratio Lower Upper
43 100
58 38.7 31.0 46.4
85 16.8 13.4 20.2

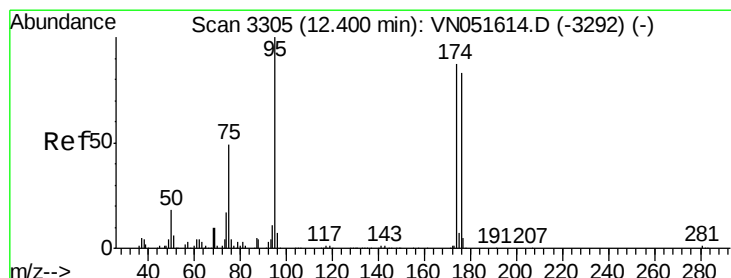
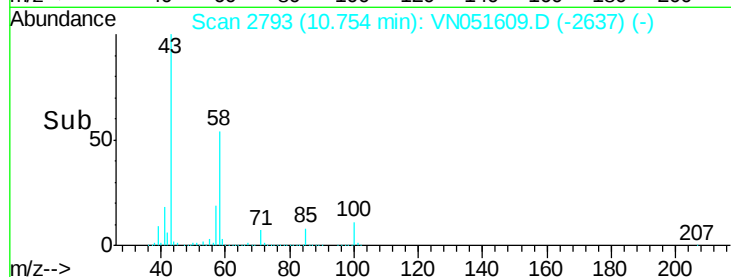
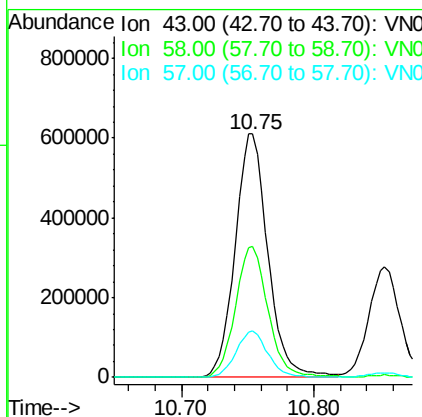
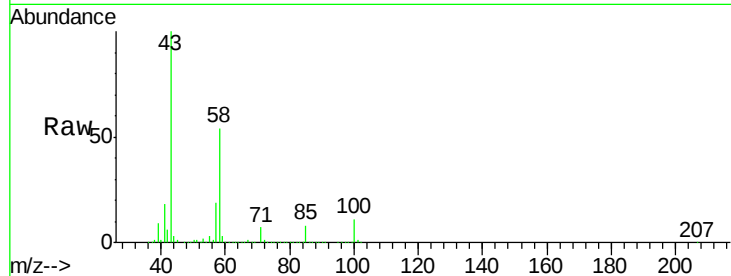




#59
2-Hexanone
Concen: 264.405 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

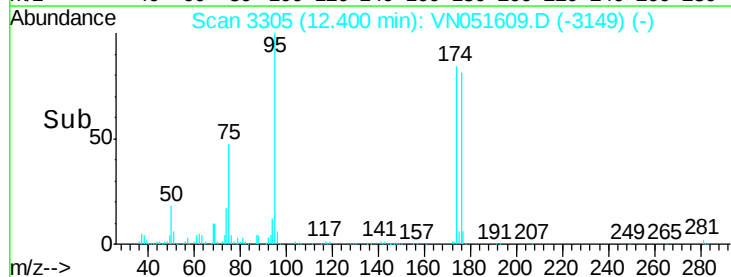
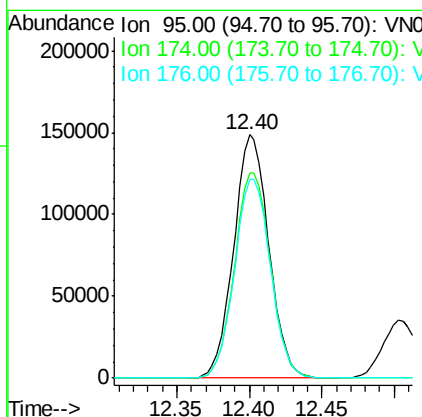
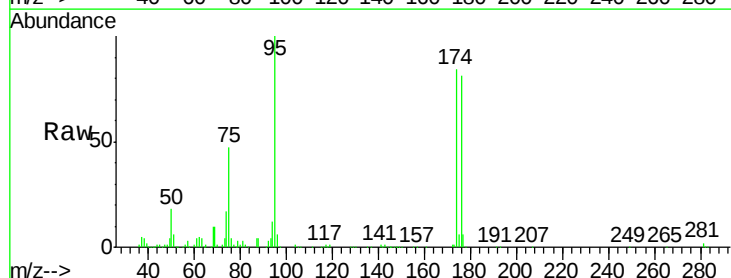
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

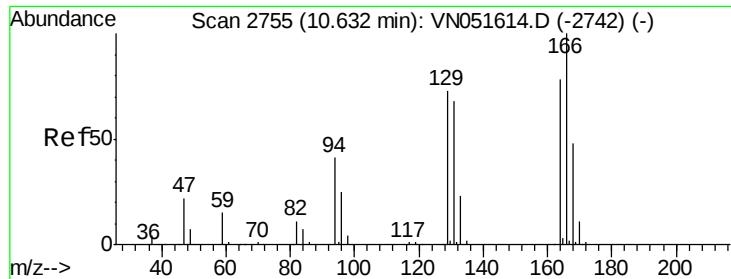
Tgt Ion: 43 Resp: 1042246
Ion Ratio Lower Upper
43 100
58 53.9 41.5 62.3
57 18.6 14.2 21.4



#60
4-Bromofluorobenzene
Concen: 264.405 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 95 Resp: 249726
Ion Ratio Lower Upper
95 100
174 86.6 71.2 106.8
176 83.8 67.8 101.8





#61

Tetrachloroethene

Concen: 50.479 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:164 Resp: 377168

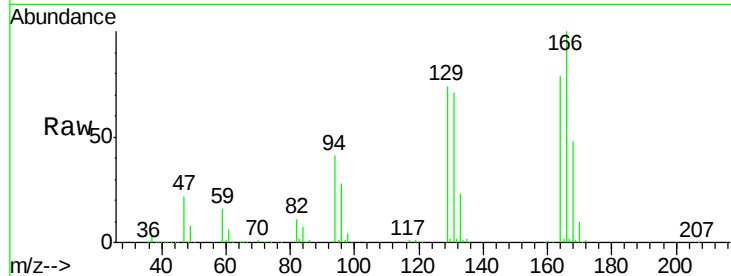
Ion Ratio Lower Upper

164 100

166 126.2 103.1 154.7

129 93.4 75.3 112.9

131 89.7 70.8 106.2

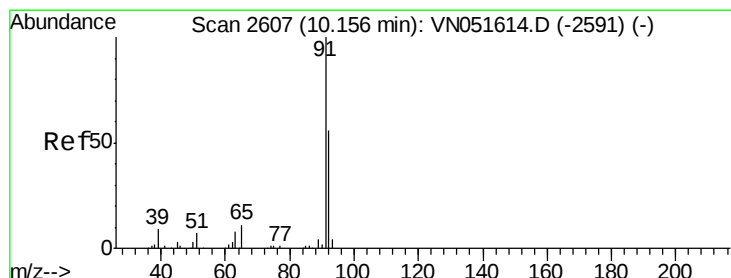
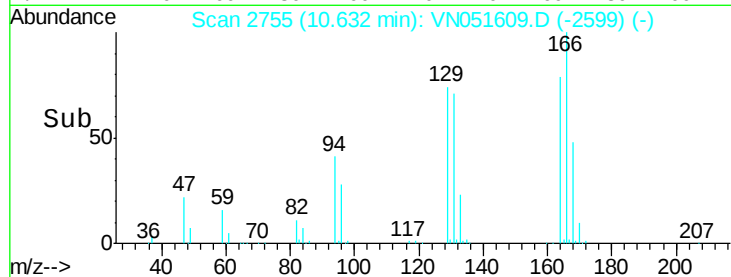
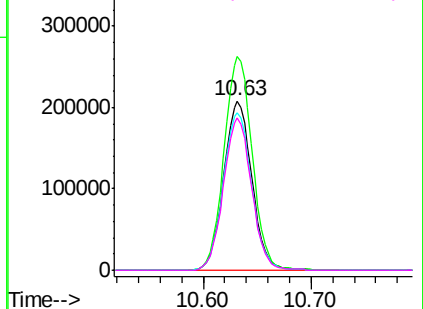


Abundance Ion 163.85 (163.55 to 164.55): V

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: 50.349 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051609.D

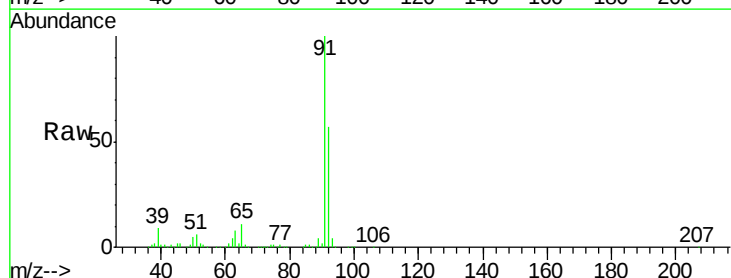
Acq: 28 Sep 2018 9:04

Tgt Ion: 91 Resp: 1629296

Ion Ratio Lower Upper

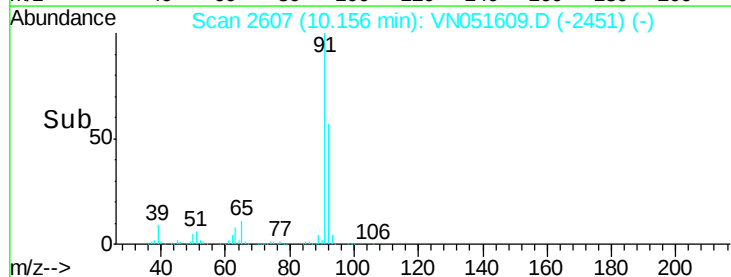
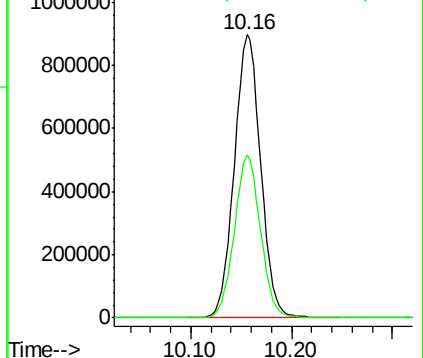
91 100

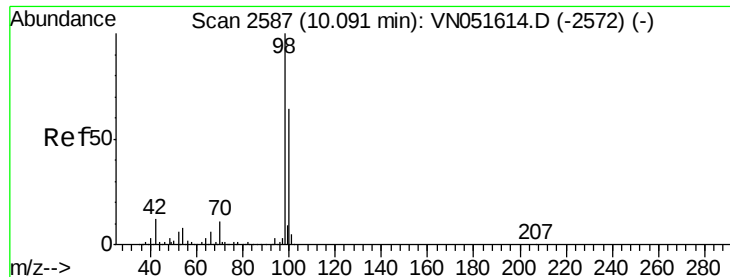
92 56.8 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 50.349 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

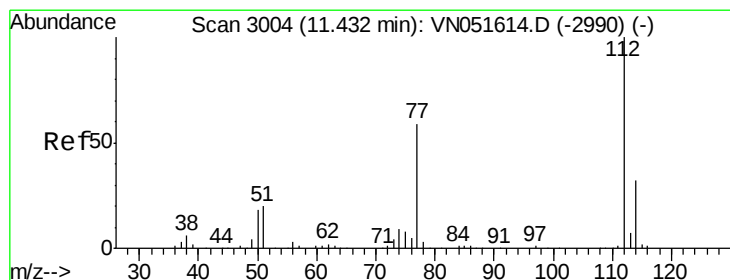
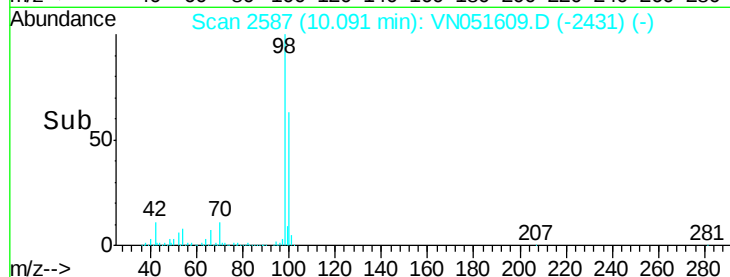
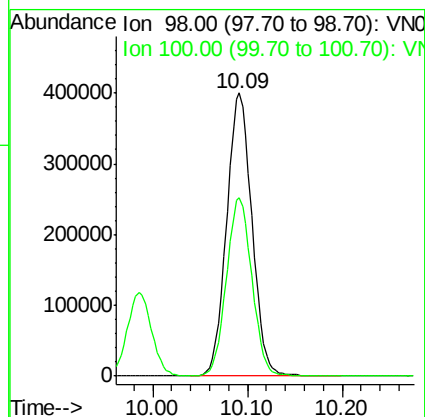
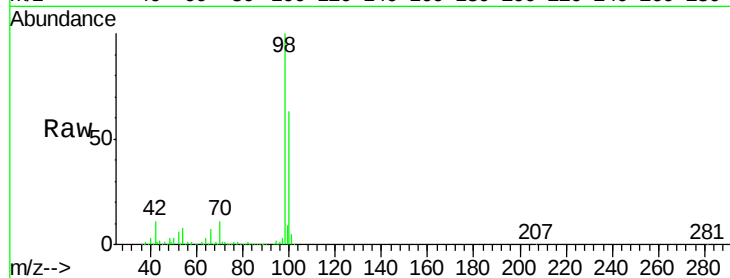
VSTDIC050

Tgt Ion: 98 Resp: 744427

Ion Ratio Lower Upper

98 100

100 63.4 51.4 77.0



#64

Chlorobenzene

Concen: 50.173 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051609.D

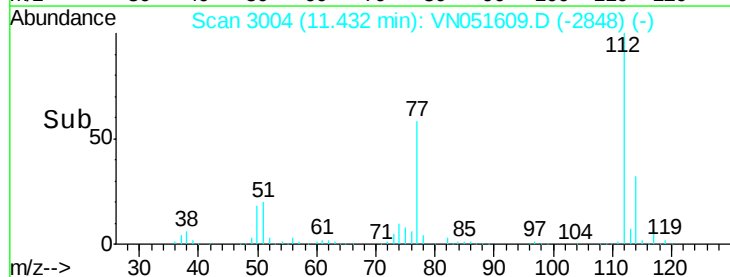
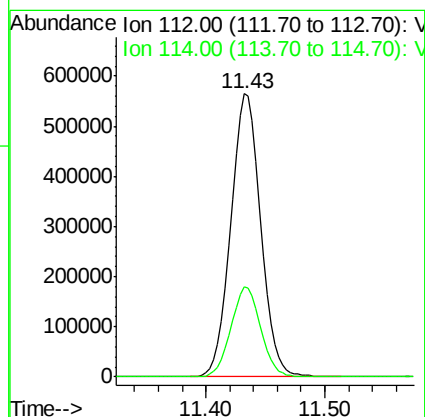
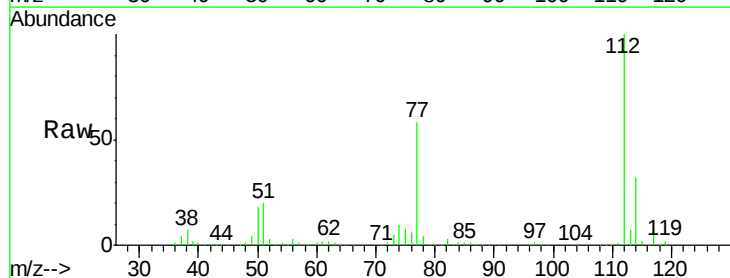
Acq: 28 Sep 2018 9:04

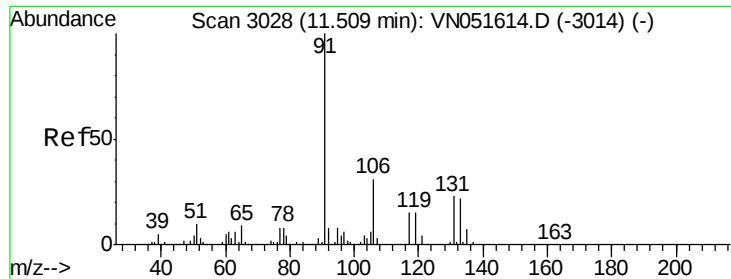
Tgt Ion: 112 Resp: 981649

Ion Ratio Lower Upper

112 100

114 31.7 25.9 38.9

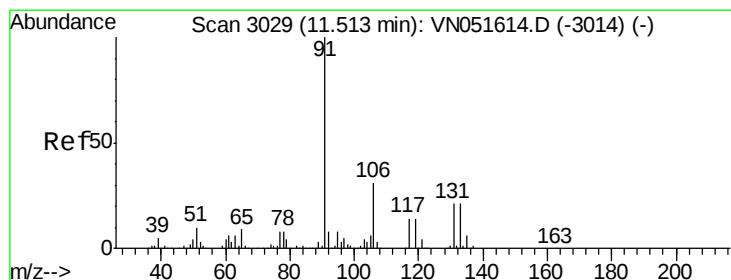
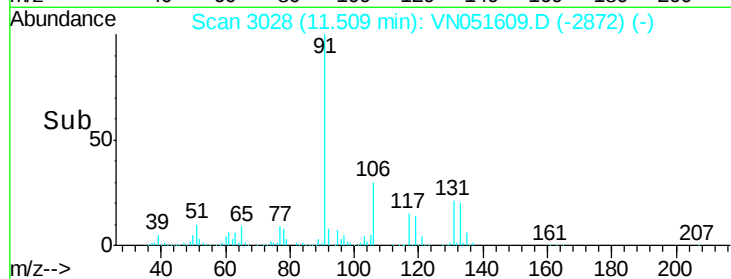
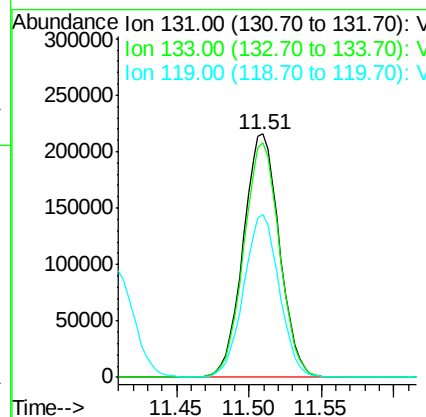
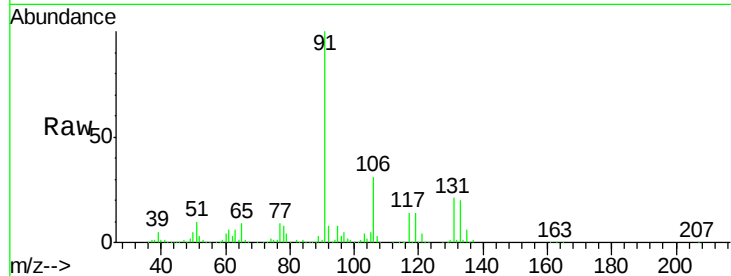




#65
 1,1,1,2-Tetrachloroethane
 Concen: 50.068 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

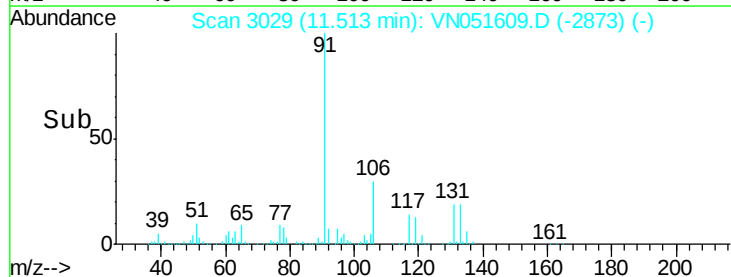
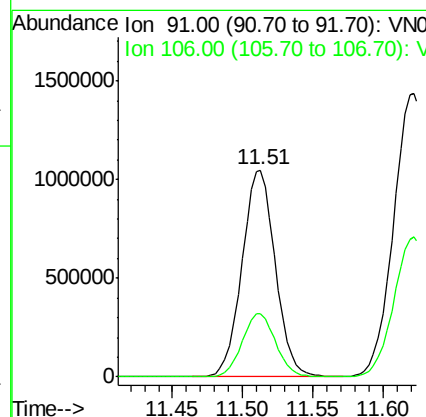
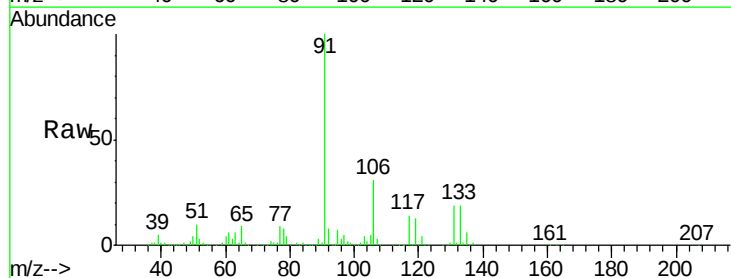
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

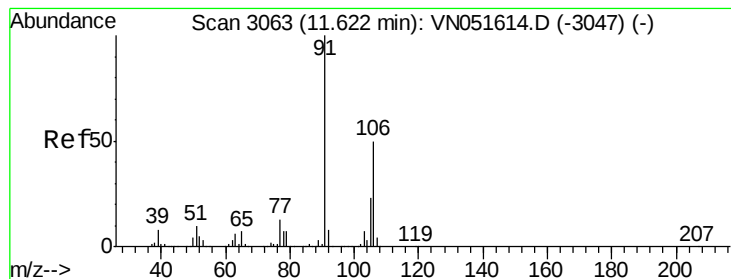
Tgt Ion:131 Resp: 374062
 Ion Ratio Lower Upper
 131 100
 133 95.4 0.0 193.0
 119 65.6 0.0 135.0



#66
 Ethyl Benzene
 Concen: 52.276 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion: 91 Resp: 1731325
 Ion Ratio Lower Upper
 91 100
 106 30.8 25.0 37.4





#67

m/p-Xylenes

Concen: 106.112 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

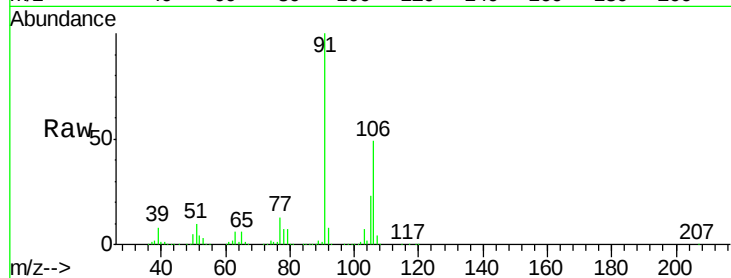
VSTDIC050

Tgt Ion:106 Resp: 1354430

Ion Ratio Lower Upper

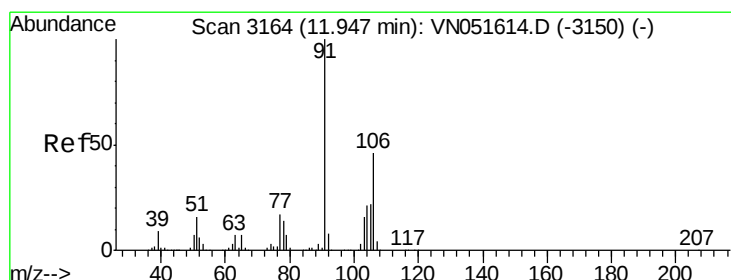
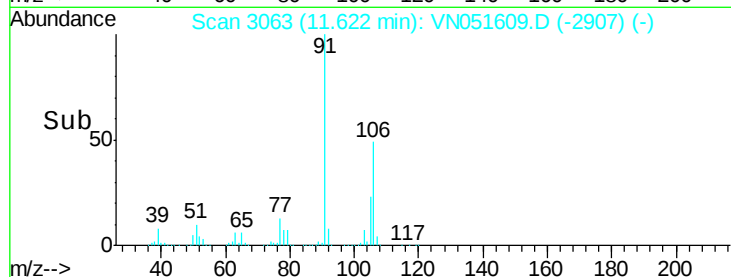
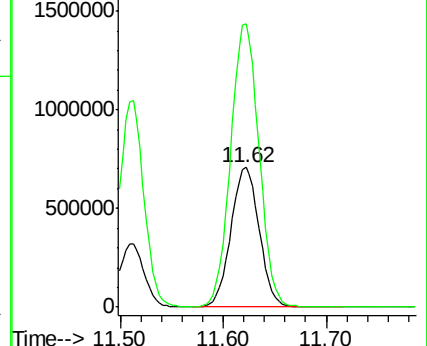
106 100

91 202.9 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 52.298 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051609.D

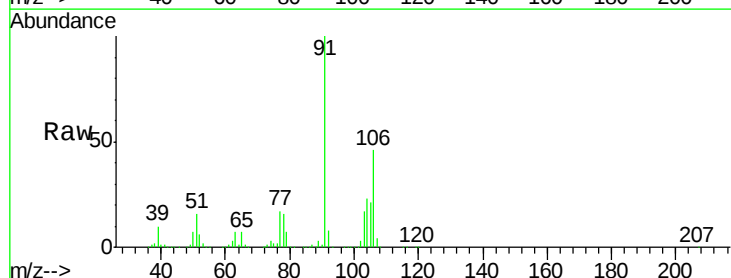
Acq: 28 Sep 2018 9:04

Tgt Ion:106 Resp: 637233

Ion Ratio Lower Upper

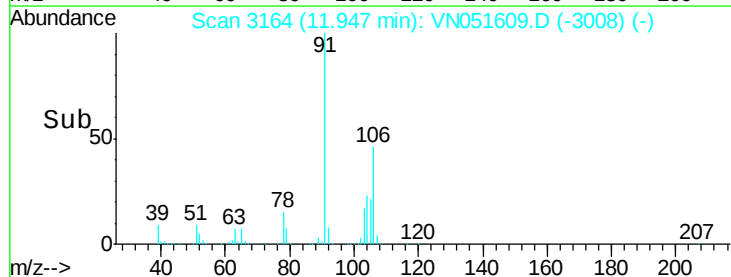
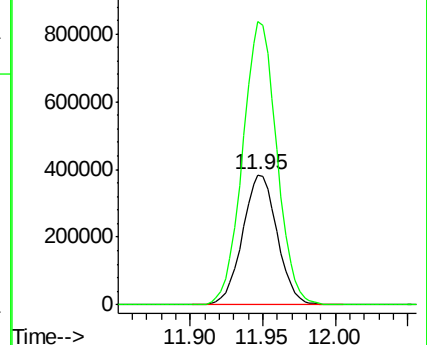
106 100

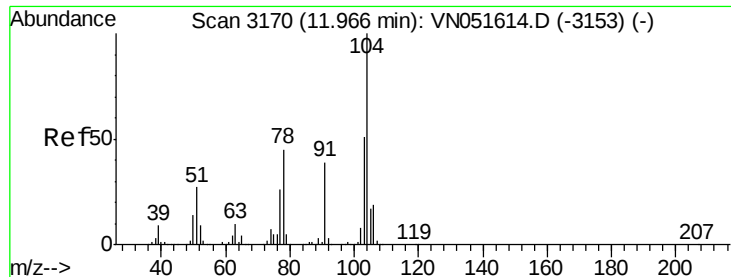
91 214.3 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

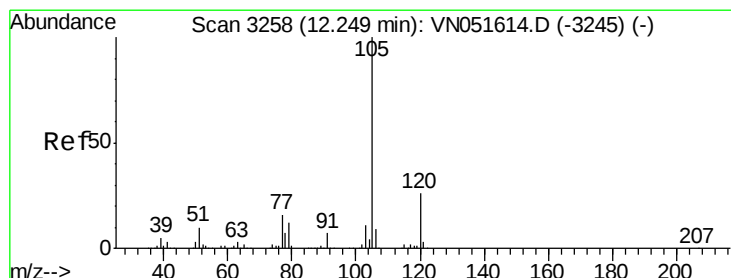
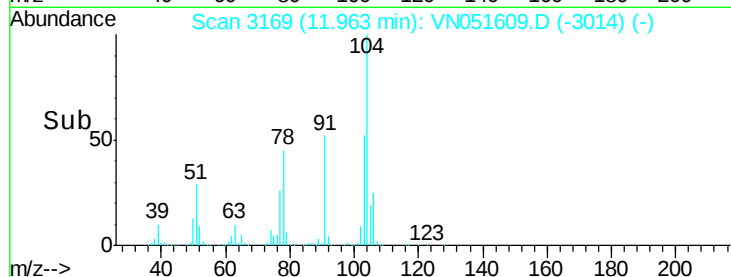
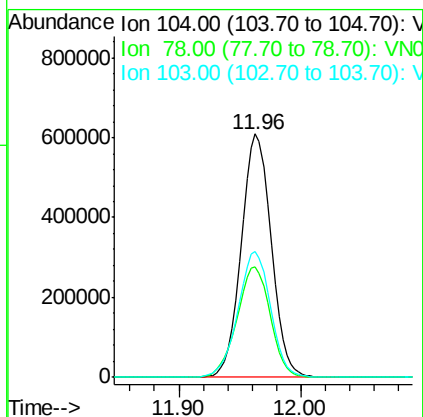
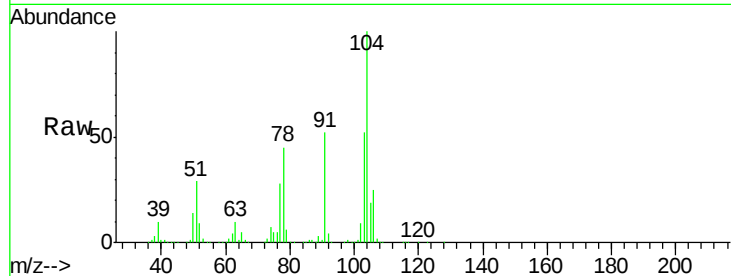




#69
Styrene
Concen: 53.897 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

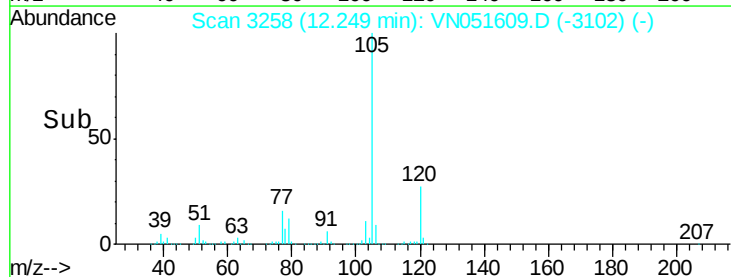
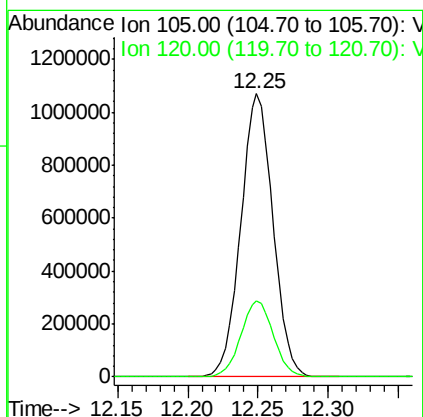
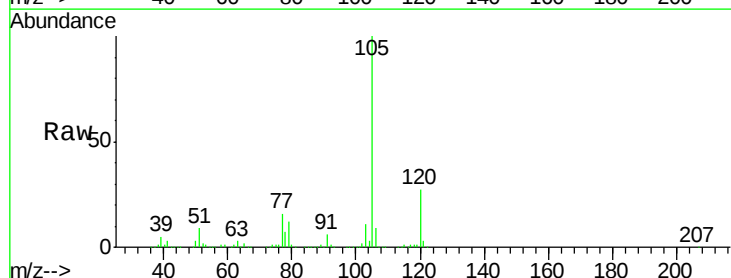
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

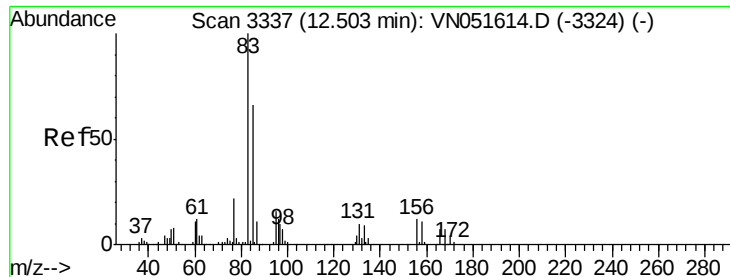
Tgt Ion:104 Resp: 1030762
Ion Ratio Lower Upper
104 100
78 50.3 40.3 60.5
103 56.1 45.7 68.5



#70
Isopropylbenzene
Concen: 52.571 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion:105 Resp: 1708661
Ion Ratio Lower Upper
105 100
120 27.1 18.7 34.7

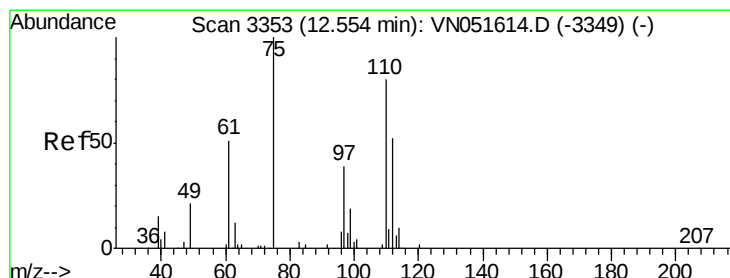
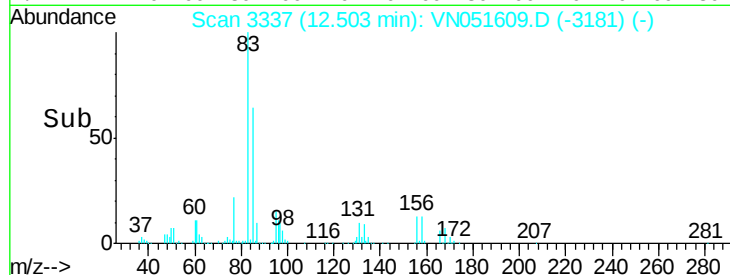
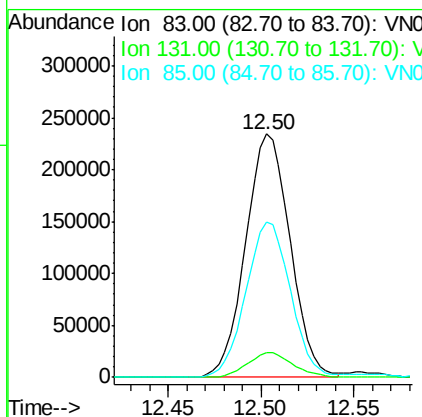
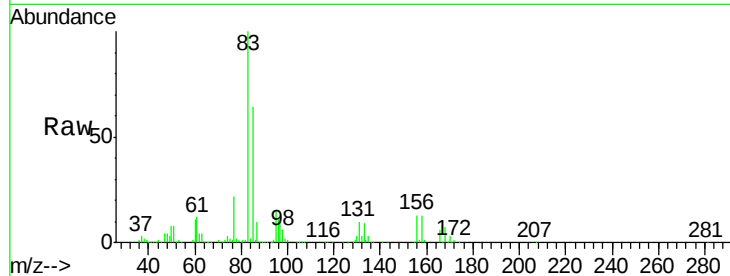




#71
 1,1,2,2-Tetrachloroethane
 Concen: 49.785 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

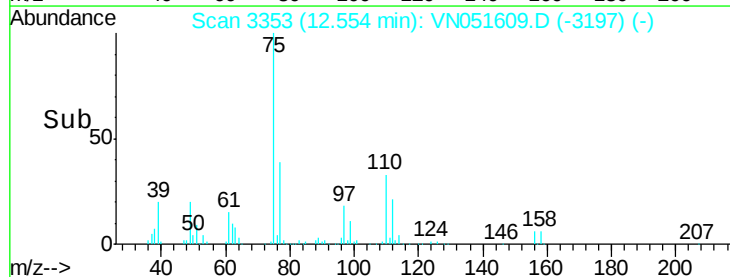
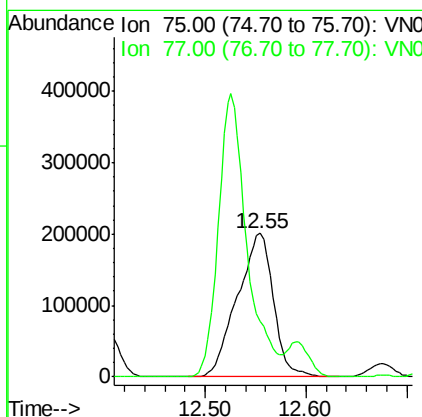
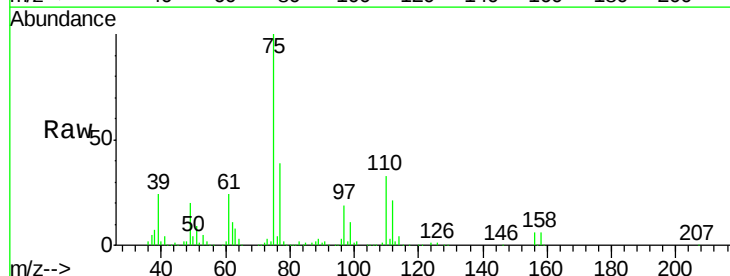
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

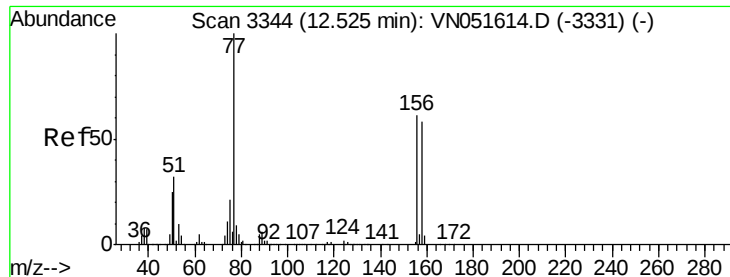
Tgt Ion: 83 Resp: 391486
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.2 15.6
 85 64.1 32.0 96.2



#72
 1,2,3-Trichloropropane
 Concen: 76.809 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion: 75 Resp: 497638
 Ion Ratio Lower Upper
 75 100
 77 156.9 0.0 492.2





#73

Bromobenzene

Concen: 51.534 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

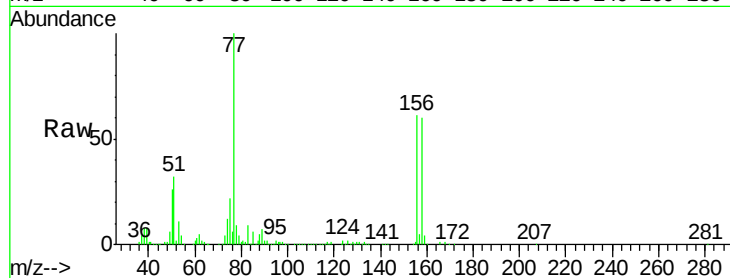
Tgt Ion:156 Resp: 416831

Ion Ratio Lower Upper

156 100

77 187.3 0.0 385.2

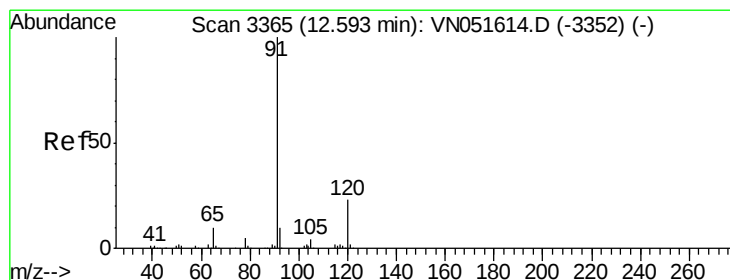
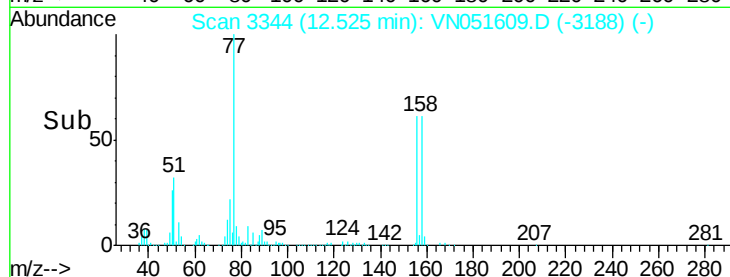
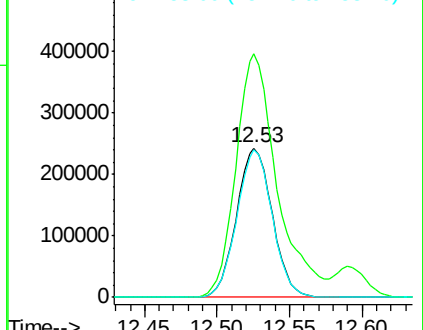
158 97.3 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 53.222 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051609.D

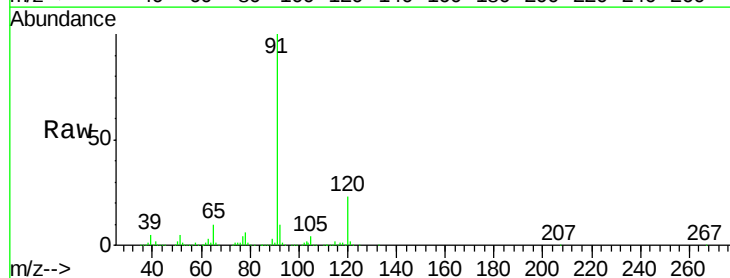
Acq: 28 Sep 2018 9:04

Tgt Ion: 91 Resp: 2013779

Ion Ratio Lower Upper

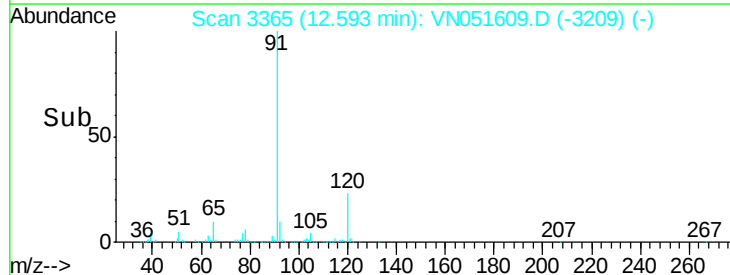
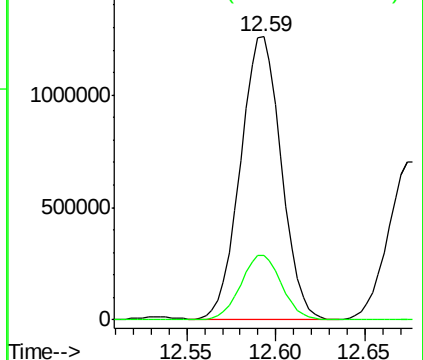
91 100

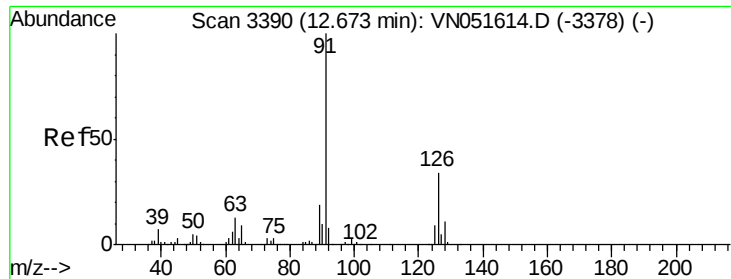
120 22.8 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 52.071 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

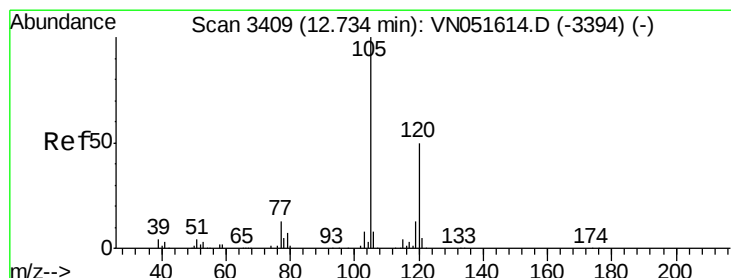
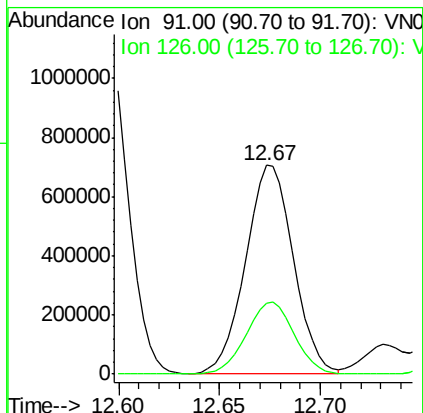
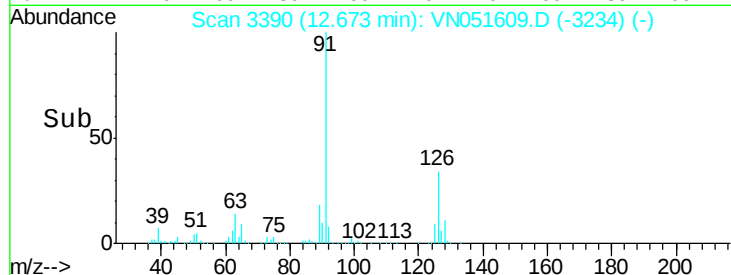
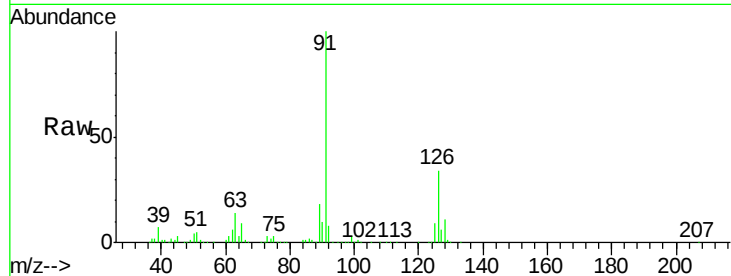
VSTDIC050

Tgt Ion: 91 Resp: 1176508

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.2



#76

1,3,5-Trimethylbenzene

Concen: 53.161 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051609.D

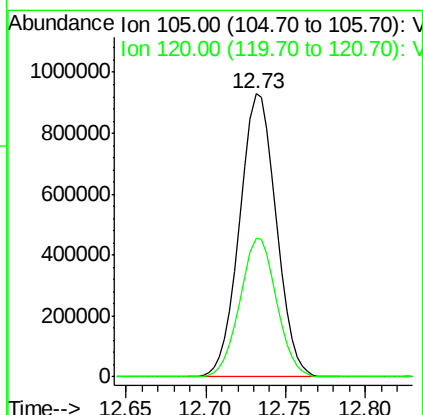
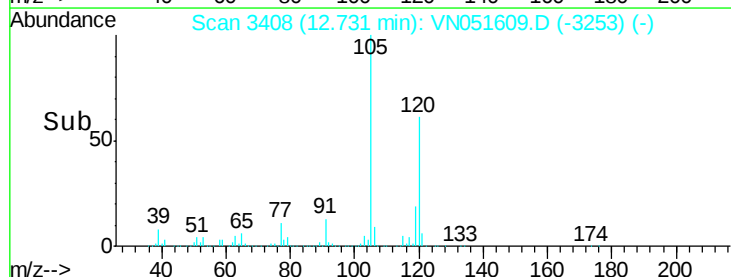
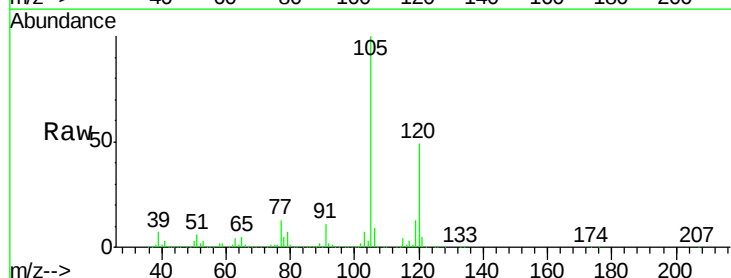
Acq: 28 Sep 2018 9:04

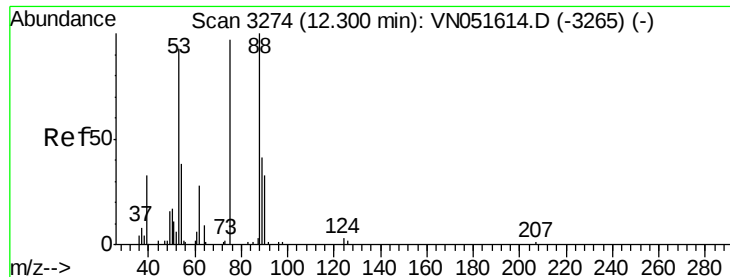
Tgt Ion: 105 Resp: 1443754

Ion Ratio Lower Upper

105 100

120 49.0 0.0 99.8



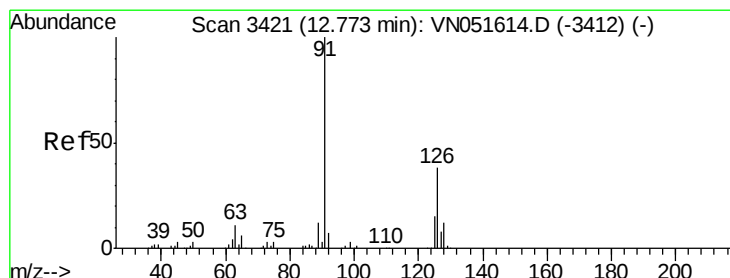
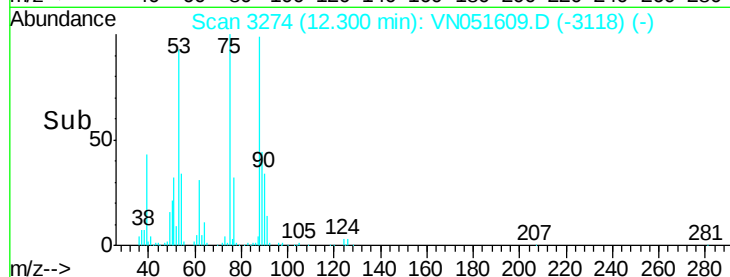
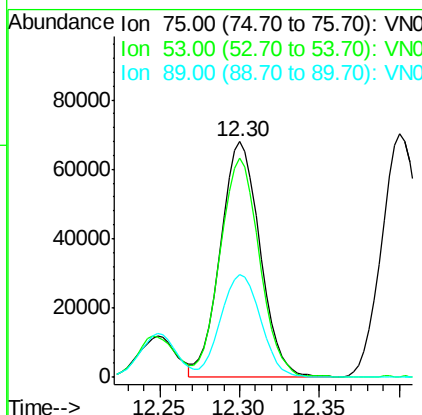
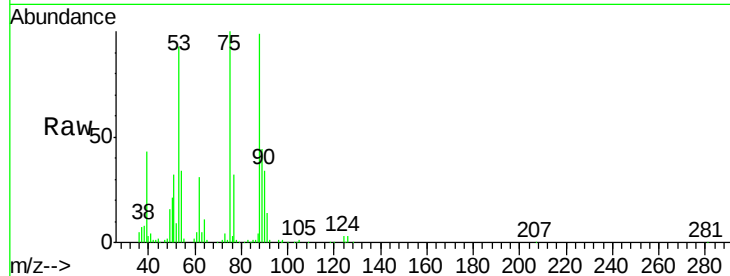


#77
t-1,4-Dichloro-2-butene
Concen: 53.958 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 75 Resp: 114892

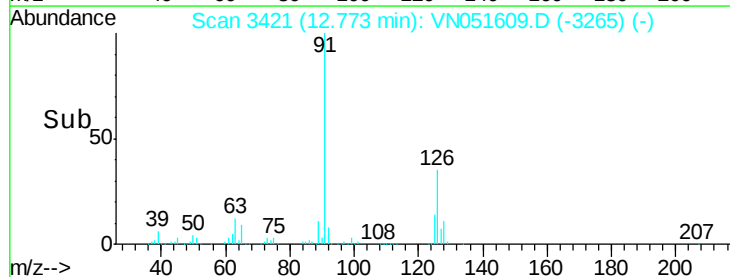
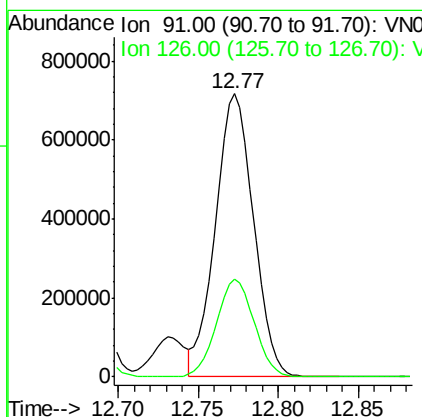
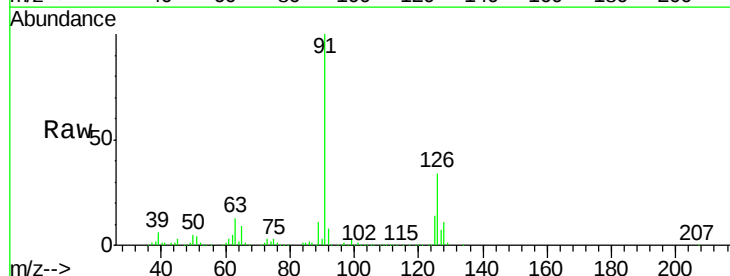
Ion	Ratio	Lower	Upper
75	100		
53	93.0	48.1	144.4
89	43.7	22.4	67.3

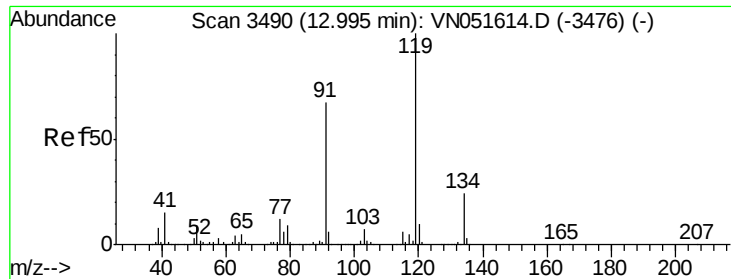


#78
4-Chlorotoluene
Concen: 52.590 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion: 91 Resp: 1173724

Ion	Ratio	Lower	Upper
91	100		
126	34.2	0.0	68.6

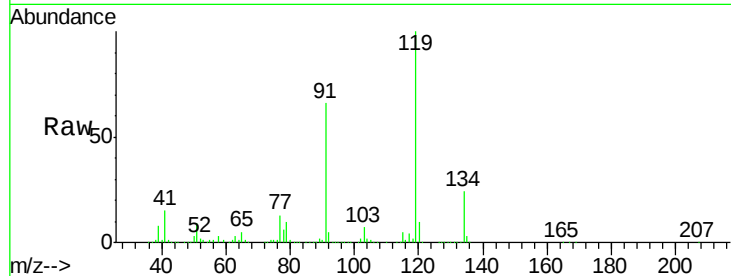




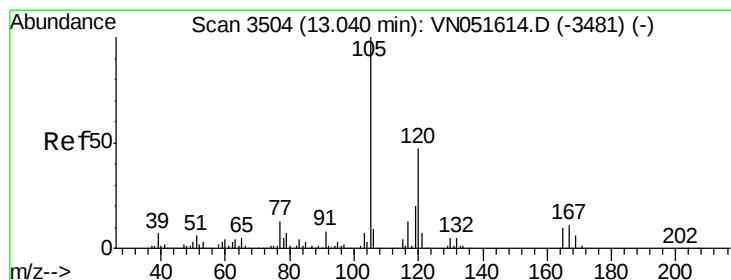
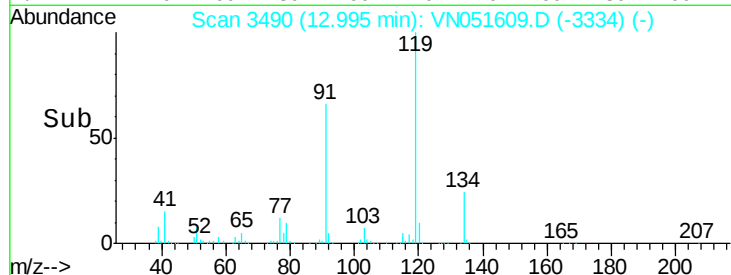
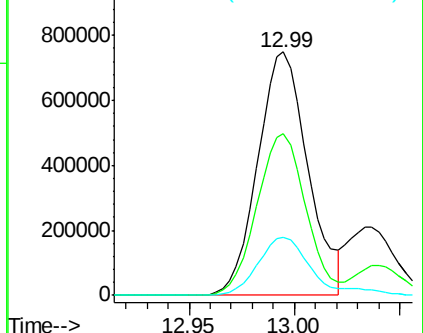
#79
tert-butylbenzene
Concen: 52.734 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:119 Resp: 1240768
Ion Ratio Lower Upper
119 100
91 64.4 0.0 132.4
134 23.9 0.0 48.4

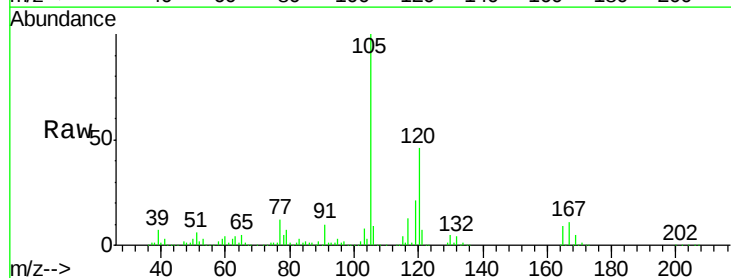


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

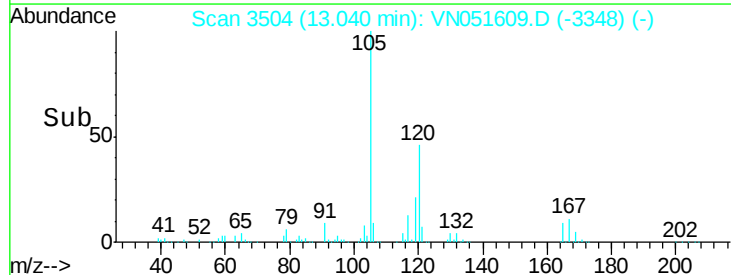
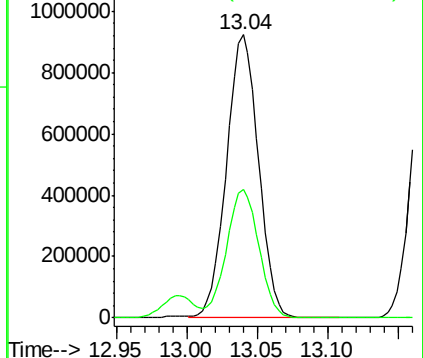


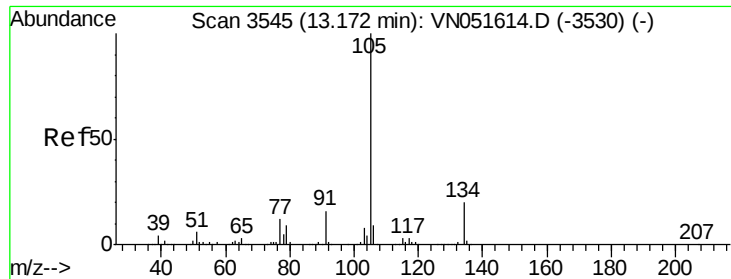
#80
1,2,4-Trimethylbenzene
Concen: 53.886 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion:105 Resp: 1461709
Ion Ratio Lower Upper
105 100
120 45.9 0.0 91.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

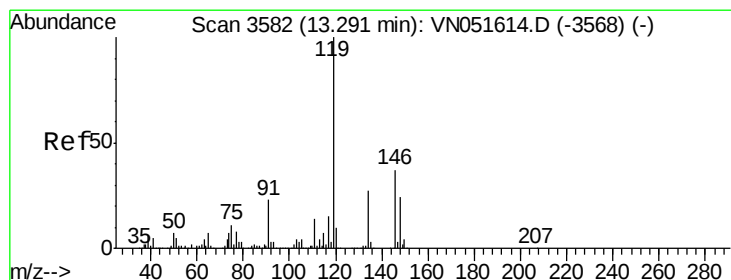
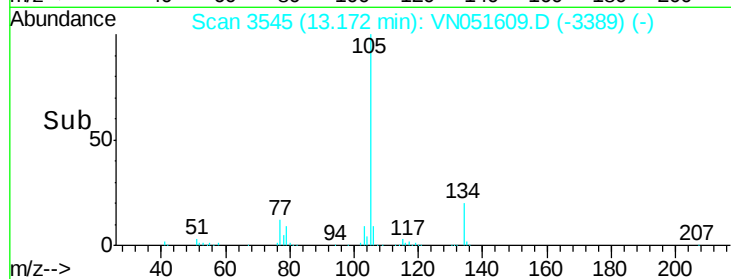
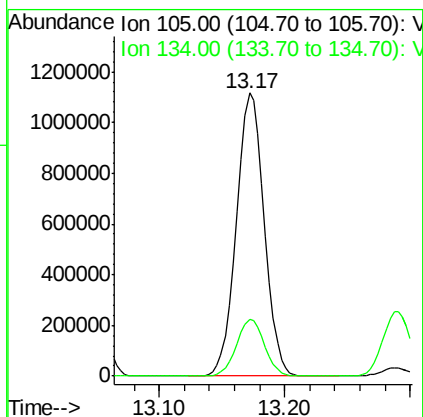
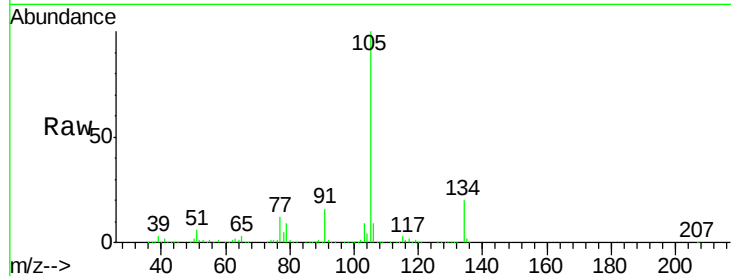




#81
 sec-Butylbenzene
 Concen: 52.734 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

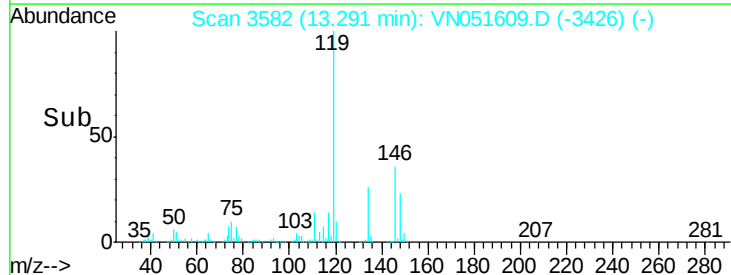
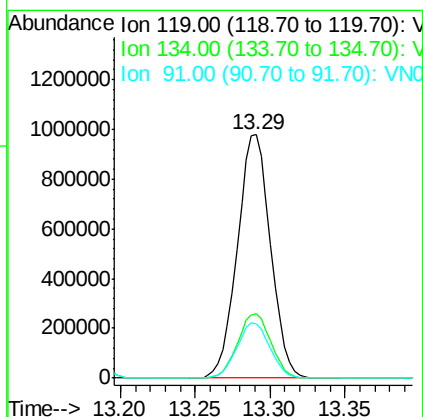
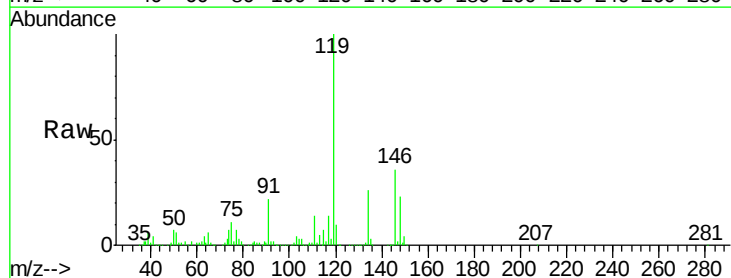
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

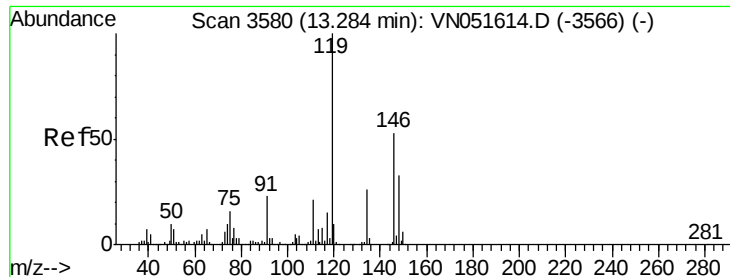
Tgt Ion:105 Resp: 1713960
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 54.140 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion:119 Resp: 1503954
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.0
 91 22.7 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 52.442 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

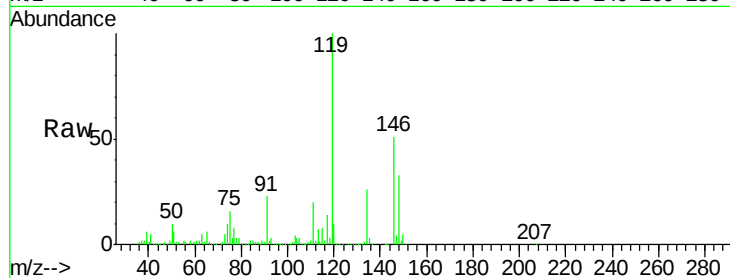
Tgt Ion:146 Resp: 739118

Ion Ratio Lower Upper

146 100

111 39.4 19.9 59.6

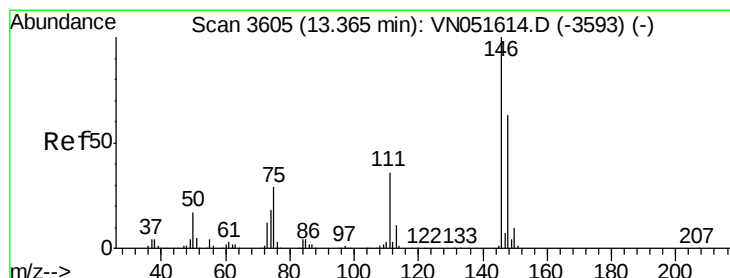
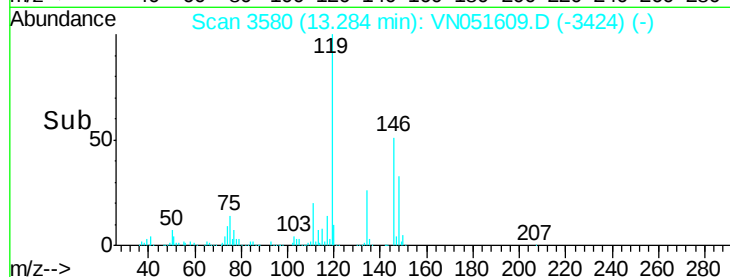
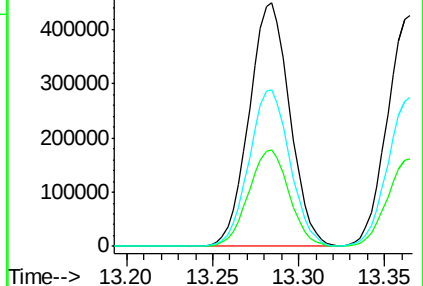
148 64.5 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 53.621 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

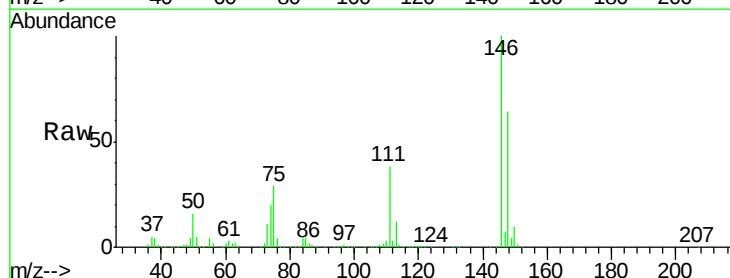
Tgt Ion:146 Resp: 710394

Ion Ratio Lower Upper

146 100

111 37.2 18.6 55.8

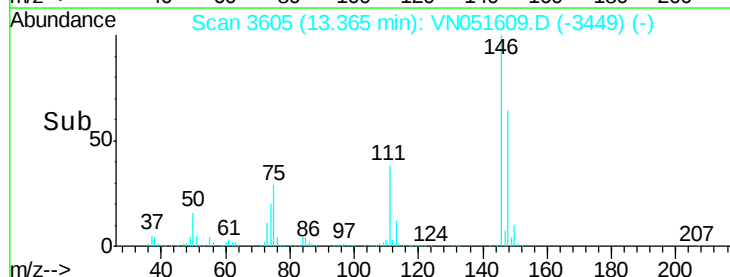
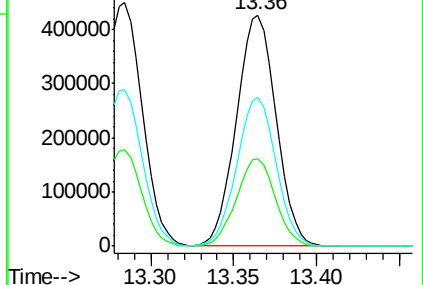
148 63.7 32.1 96.5

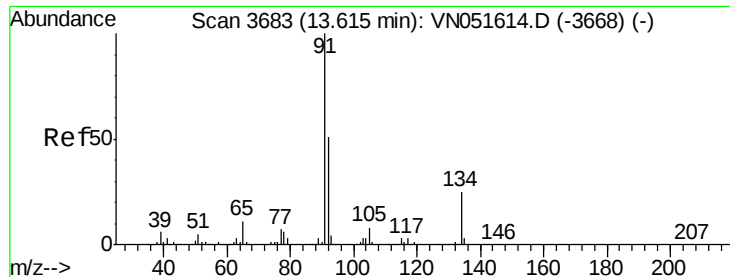


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 55.478 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051609.D

Acq: 28 Sep 2018 9:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

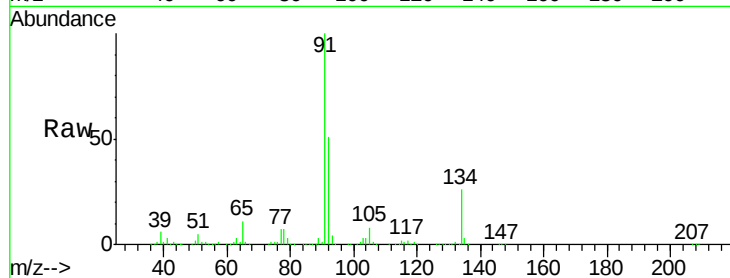
Tgt Ion: 91 Resp: 1264976

Ion Ratio Lower Upper

91 100

92 51.4 0.0 101.6

134 25.6 0.0 50.6

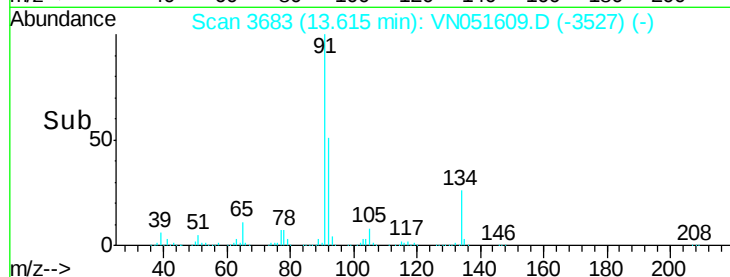


Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051614.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051614.D (-3668) (-)

Time-->

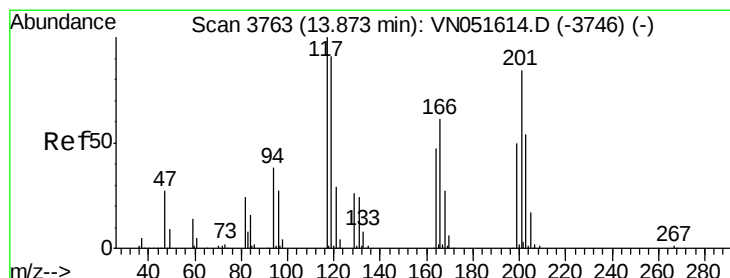


Abundance Ion 91.00 (90.70 to 91.70): VN051609.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN051609.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN051609.D (-3527) (-)

Time-->



#86

Hexachloroethane

Concen: 49.966 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051609.D

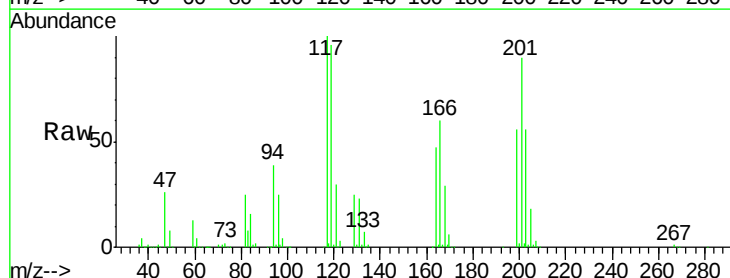
Acq: 28 Sep 2018 9:04

Tgt Ion: 117 Resp: 277617

Ion Ratio Lower Upper

117 100

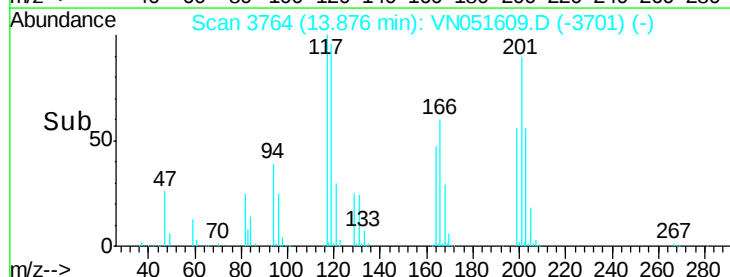
201 89.4 42.9 128.5



Abundance Ion 117.00 (116.70 to 117.70): VN051614.D (-3746) (-)

Ion 201.00 (200.70 to 201.70): VN051614.D (-3746) (-)

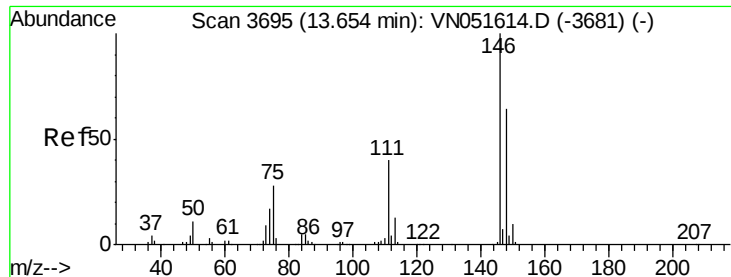
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VN051609.D (-3701) (-)

Ion 201.00 (200.70 to 201.70): VN051609.D (-3701) (-)

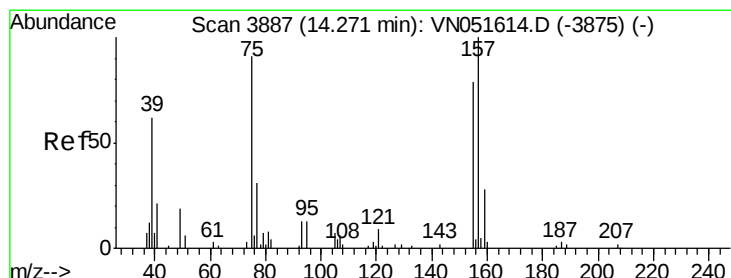
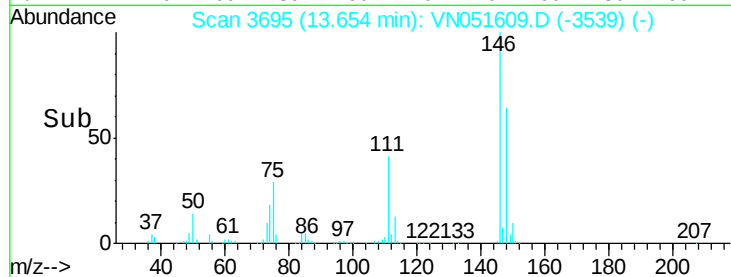
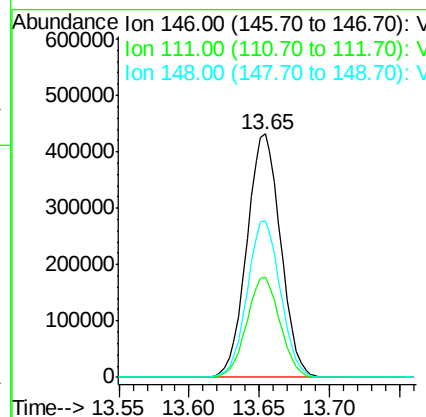
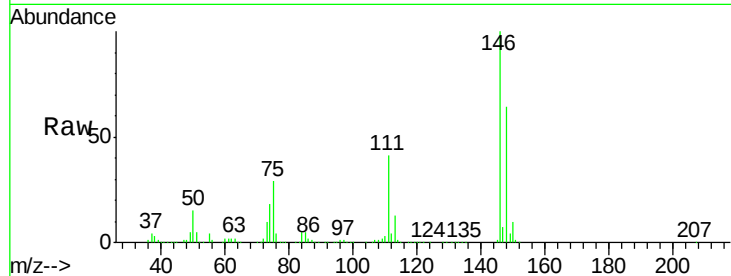
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 52.553 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

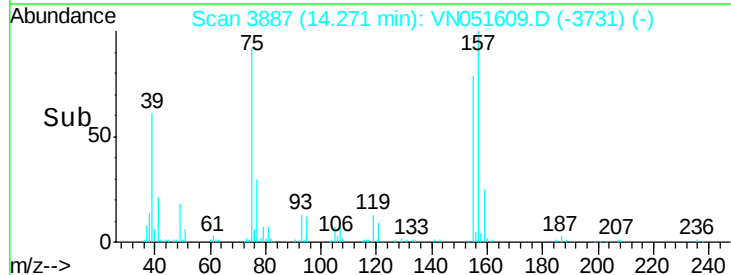
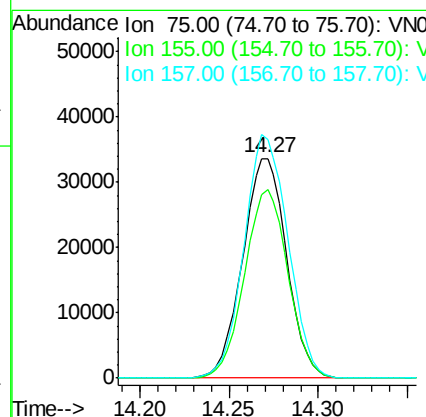
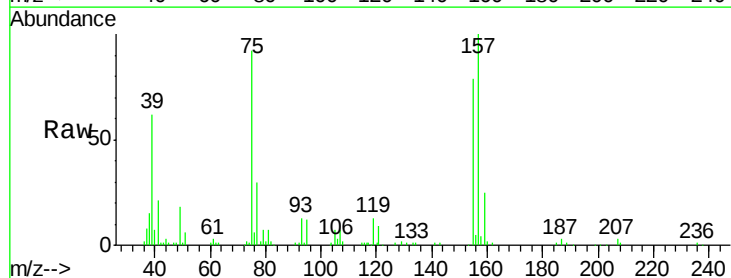
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

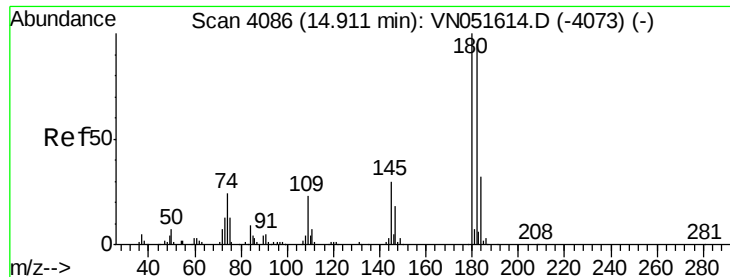
Tgt Ion:146 Resp: 724577
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.1 60.3
 148 63.3 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 50.393 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion: 75 Resp: 57756
 Ion Ratio Lower Upper
 75 100
 155 84.7 67.1 100.7
 157 110.9 85.8 128.6

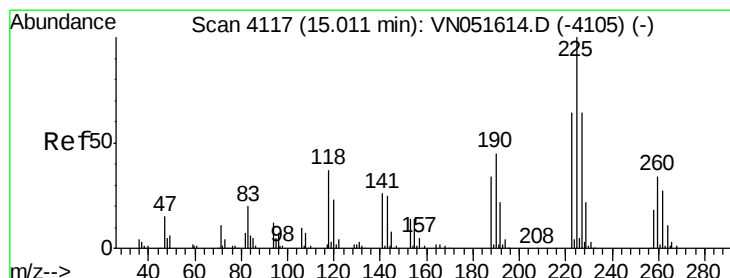
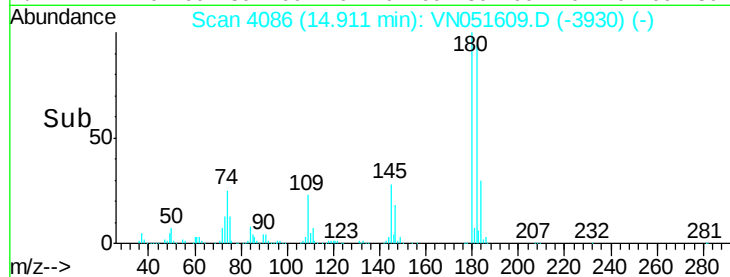
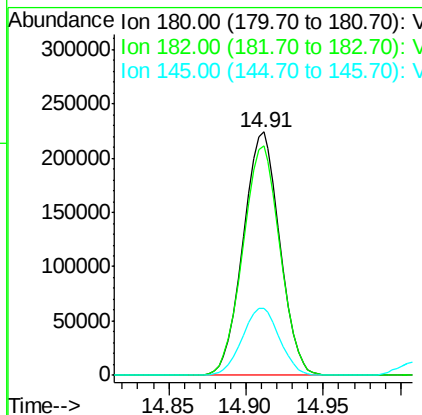
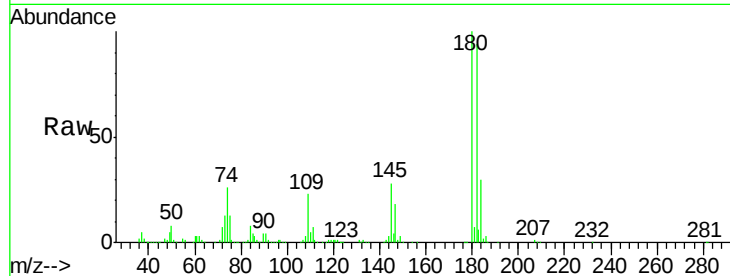




#89
 1,2,4-Trichlorobenzene
 Concen: 57.112 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

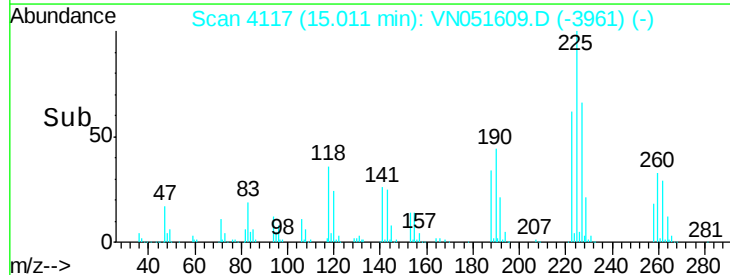
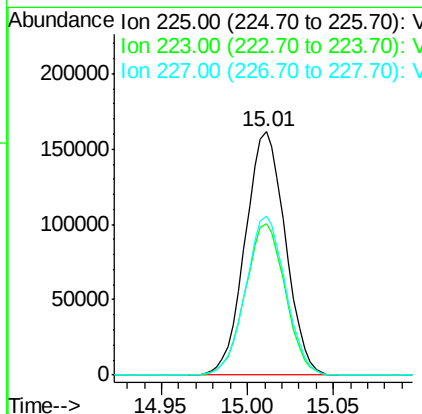
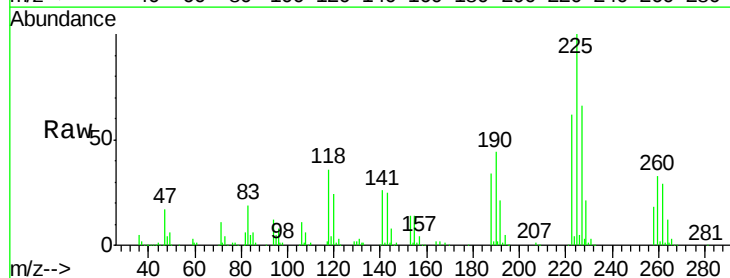
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

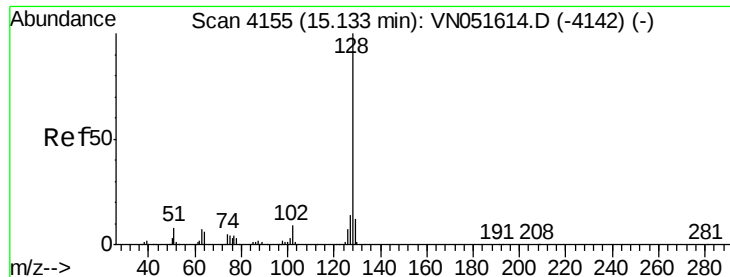
Tgt Ion:180 Resp: 368552
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.2 112.8
 145 28.2 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 49.782 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051609.D
 Acq: 28 Sep 2018 9:04

Tgt Ion:225 Resp: 261899
 Ion Ratio Lower Upper
 225 100
 223 61.9 0.0 131.0
 227 64.8 0.0 129.0

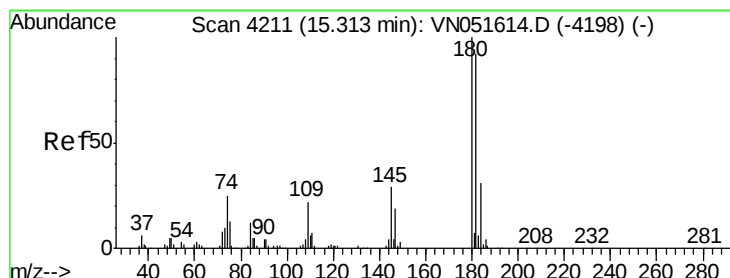
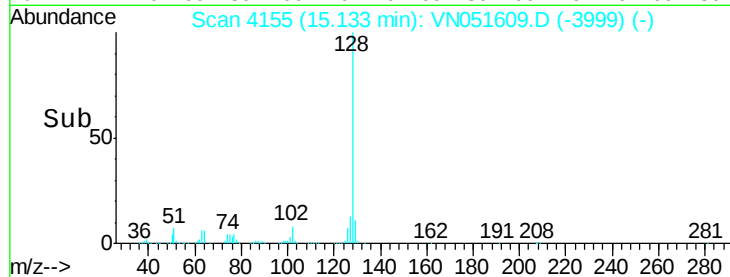
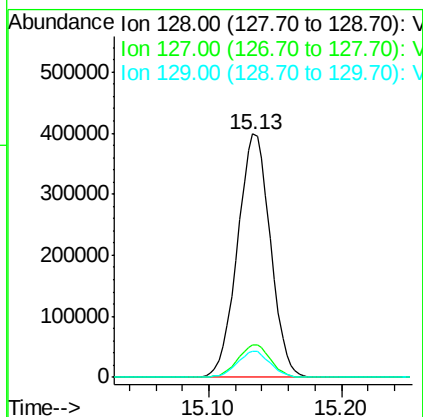
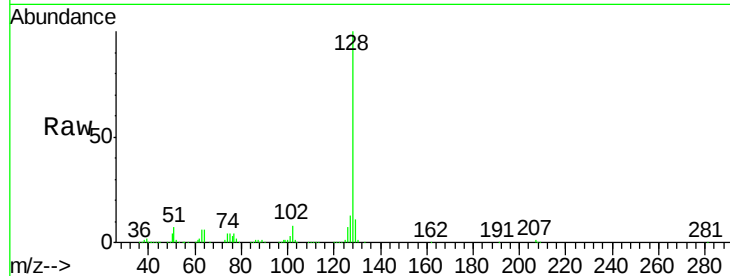




#91
Naphthalene
Concen: 56.614 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:128 Resp: 686097
Ion Ratio Lower Upper
128 100
127 13.3 10.8 16.2
129 10.6 9.1 13.7



#92
1,2,3-Trichlorobenzene
Concen: 55.552 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051609.D
Acq: 28 Sep 2018 9:04

Tgt Ion:180 Resp: 360539
Ion Ratio Lower Upper
180 100
182 94.8 0.0 191.8
145 29.9 0.0 60.4

