

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051610.D
 Acq On : 28 Sep 2018 9:28
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : Sample
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 29 00:37:09 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	113892	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	613064	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	548990	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	236077	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	12.40	95	270374	32.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	106.77%
63) Toluene-d8	10.09	98	763979	29.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	1007955	100.845 ug/l	99
3) Chloromethane	2.06	50	1103258	98.637 ug/l	100
4) Vinyl Chloride	2.18	62	1104819	100.690 ug/l	98
5) Bromomethane	2.56	94	557371	97.793 ug/l	100
6) Chloroethane	2.70	64	557747	101.326 ug/l	99
7) Trichlorofluoromethane	3.01	101	1309641	97.689 ug/l	99
8) Diethyl Ether	3.41	74	423202	100.504 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	732456	96.657 ug/l	98
10) 1,1-Dichloroethene	3.74	96	680802	98.997 ug/l	98
11) Methyl Iodide	3.95	142	1015286	114.691 ug/l	99
12) Methyl Acetate	4.33	43	563111	92.781 ug/l	96
13) Acrolein	3.61	56	344460	513.707 ug/l	99
14) Acrylonitrile	4.99	53	1232790	507.189 ug/l	98
15) Acetone	3.82	58	307387	482.329 ug/l	99
16) Carbon Disulfide	4.05	76	2166917	97.781 ug/l	100
17) Allyl chloride	4.33	41	1269109	103.163 ug/l	98
18) Methylene Chloride	4.55	84	757624	95.826 ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	724095	99.190 ug/l	98
20) Diisopropyl ether	5.95	45	2482705	101.731 ug/l	97
21) 1,1-Dichloroethane	5.85	63	1408970	97.412 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	804182	100.868 ug/l	99
23) tert-Butyl Alcohol	4.79	59	231176	499.086 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	1869011	103.410 ug/l	99
25) Chloroform	7.37	83	1346812	97.385 ug/l	99
26) Cyclohexane	7.65	56	1328097	106.106 ug/l	99
29) 1,1-Dichloropropene	7.80	75	1083976	103.691 ug/l	99
30) 2-Butanone	6.84	43	1462683	514.088 ug/l	99
31) 2,2-Dichloropropane	6.83	77	1139466	100.992 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1170928	99.688 ug/l	99
33) Carbon Tetrachloride	7.78	117	1070466	101.399 ug/l	99
34) Benzene	8.04	78	3118404	100.545 ug/l	# 92
35) Methacrylonitrile	7.18	41	314325	95.308 ug/l	96
36) 1,2-Dichloroethane	8.13	62	982496	99.382 ug/l	100
37) Trichloroethene	8.84	130	800797	100.566 ug/l	100
38) Methylcyclohexane	9.08	83	1312705	108.821 ug/l	97
39) 1,2-Dichloropropane	9.12	63	849177	99.921 ug/l	100
40) Dibromomethane	9.21	93	471337	99.840 ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1039320	100.856	ug/l	98
42) Vinyl Acetate	5.90	43	8506511	537.039	ug/l	99
43) Ethyl Acetate	6.93	43	625594	103.878	ug/l	100
44) Isopropyl Acetate	8.17	43	1196600	101.476	ug/l	99
45) 1,4-Dioxane	9.20	88	135664	2129.620	ug/l	99
46) Methyl methacrylate	9.20	41	595274	108.518	ug/l	97
47) n-amyl Acetate	12.07	43	1025011	116.176	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1092257	106.198	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1261571	104.915	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	655555	98.261	ug/l	98
51) Ethyl methacrylate	10.43	69	900053	111.192	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1157525	101.191	ug/l	99
53) Dibromochloromethane	10.90	129	780494	102.717	ug/l	99
54) 1,2-Dibromoethane	11.01	107	654749	102.279	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	2246375	561.458	ug/l	100
56) Bromoform	12.13	173	531581	105.432	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	3132733	502.602	ug/l	100
59) 2-Hexanone	10.75	43	2141267	522.193	ug/l	97
61) Tetrachloroethene	10.63	164	751387	96.671	ug/l	98
62) Toluene	10.16	91	3341482	99.264	ug/l	99
64) Chlorobenzene	11.43	112	2056189	101.026	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	768003	98.819	ug/l	99
66) Ethyl Benzene	11.51	91	3671997	106.583	ug/l	100
67) m/p-Xylenes	11.62	106	2826256	212.853	ug/l	100
68) o-Xylene	11.95	106	1350695	106.563	ug/l	97
69) Styrene	11.96	104	2187076	109.933	ug/l	99
70) Isopropylbenzene	12.25	105	3611621	106.820	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	809651	98.979	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1048994	155.643	ug/l	48
73) Bromobenzene	12.53	156	875657	104.072	ug/l	97
74) n-propylbenzene	12.59	91	4249249	107.958	ug/l	99
75) 2-Chlorotoluene	12.68	91	2447724	104.142	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	3016530	106.774	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	253175	114.301	ug/l	96
78) 4-Chlorotoluene	12.77	91	2504397	107.870	ug/l	99
79) tert-butylbenzene	12.99	119	2629493	107.431	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	3047058	107.982	ug/l	100
81) sec-Butylbenzene	13.17	105	3625513	107.231	ug/l	100
82) p-Isopropyltoluene	13.29	119	3190034	110.393	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1578564	107.668	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1518703	110.197	ug/l	99
85) n-Butylbenzene	13.62	91	2777132	117.084	ug/l	99
86) Hexachloroethane	13.88	117	589458	101.987	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	1508807	105.199	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	125234	105.041	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	865450	128.923	ug/l	98
90) Hexachlorobutadiene	15.01	225	538223	98.346	ug/l	98
91) Naphthalene	15.13	128	1698785	134.752	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	822245	121.789	ug/l	100

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Instrument :
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ClientSampleId :
VSTDICC100

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 00:34:08 2018
Response via : Initial Calibration

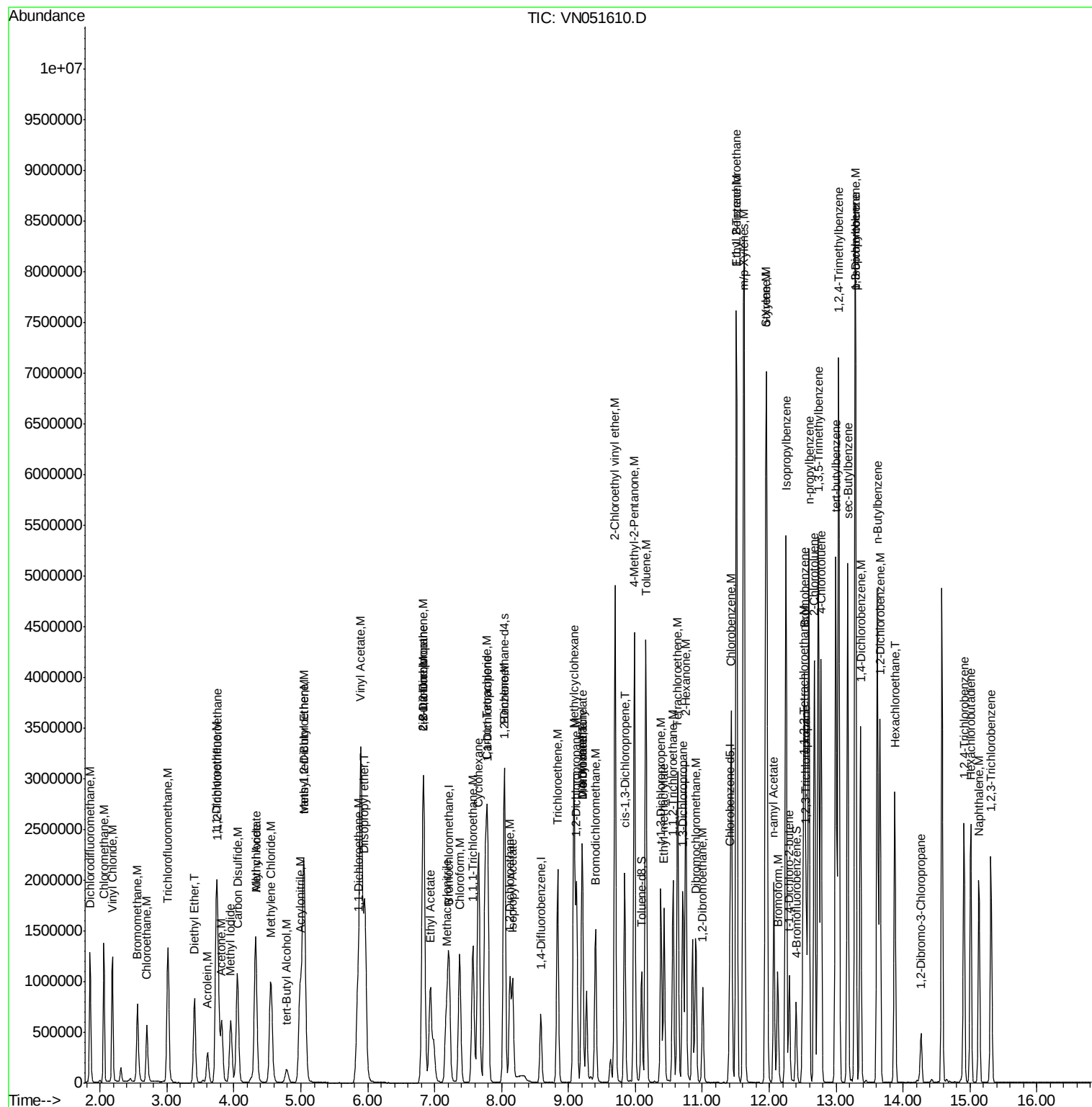
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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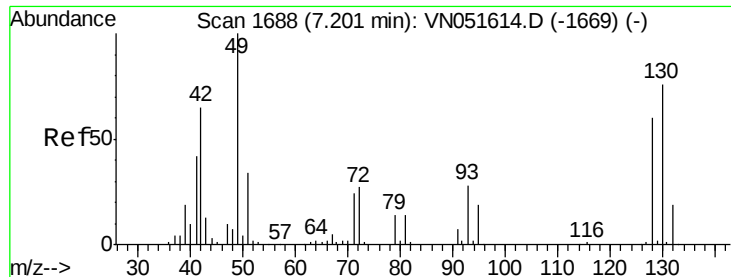
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN051610.D
Acq On : 28 Sep 2018 9:28
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Sample : VSTDICC100
Misc : Sample
ALS Vial : 5 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Sep 29 00:37:09 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
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

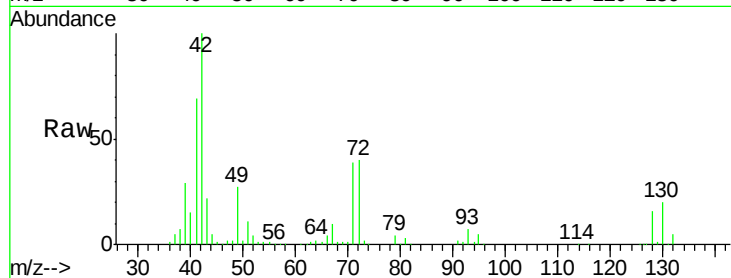
Tgt Ion:128 Resp: 113892

Ion Ratio Lower Upper

128 100

49 173.3 0.0 426.8

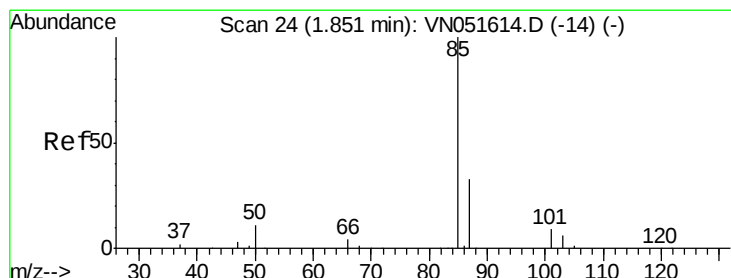
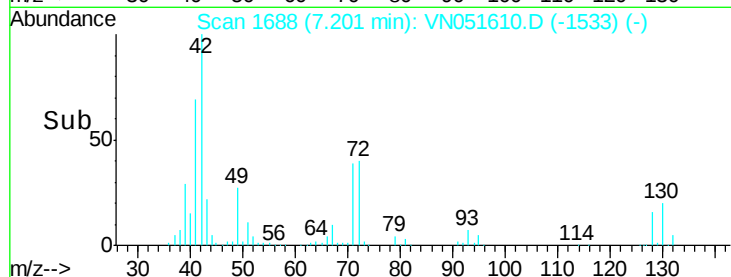
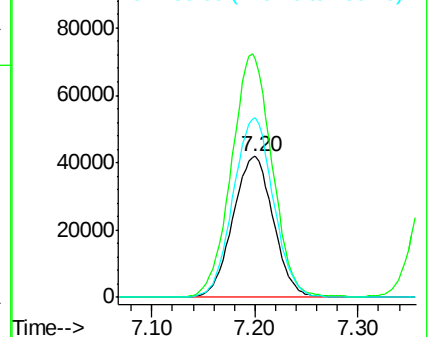
130 127.1 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 100.845 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051610.D

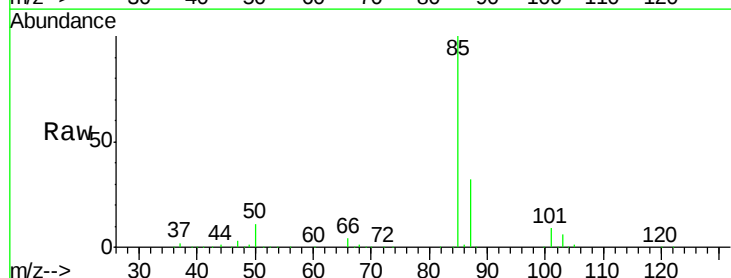
Acq: 28 Sep 2018 9:28

Tgt Ion: 85 Resp: 1007955

Ion Ratio Lower Upper

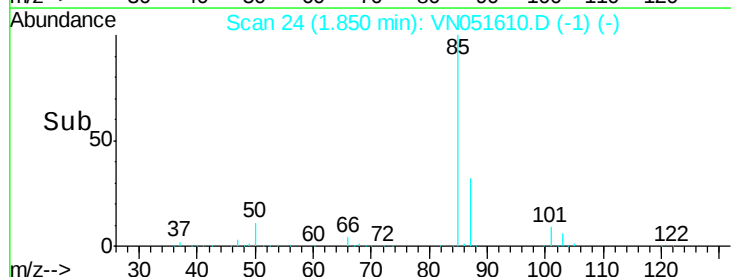
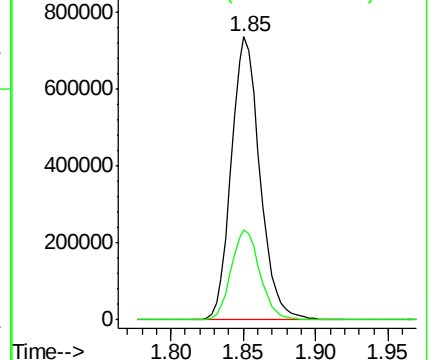
85 100

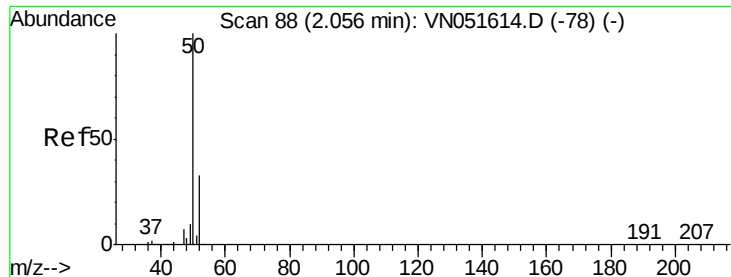
87 32.0 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 98.637 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

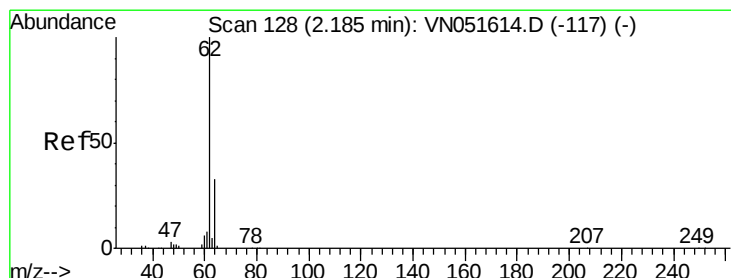
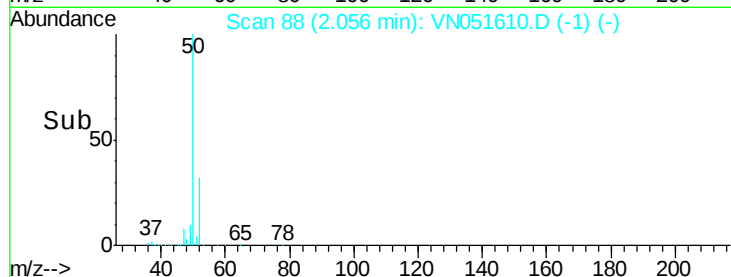
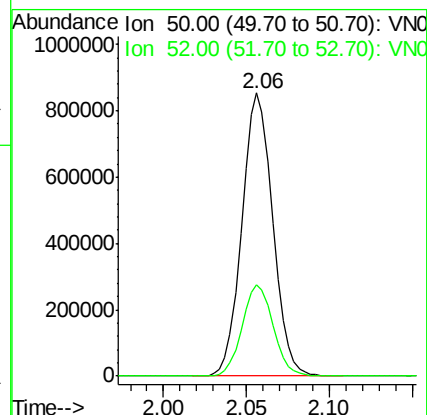
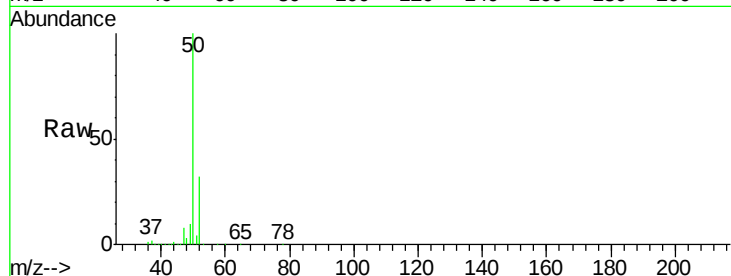
VSTDICC100

Tgt Ion: 50 Resp: 1103258

Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0



#4

Vinyl Chloride

Concen: 100.690 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051610.D

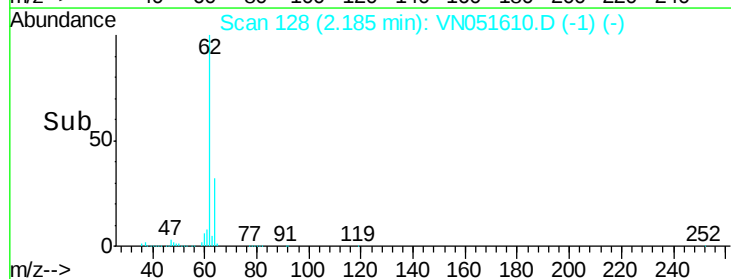
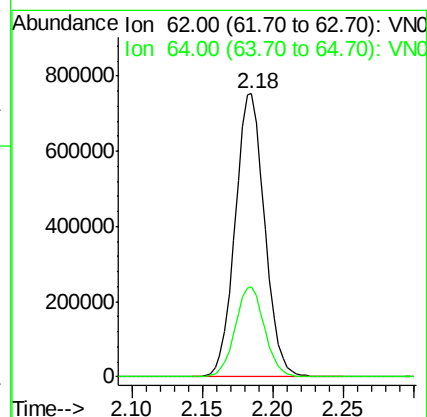
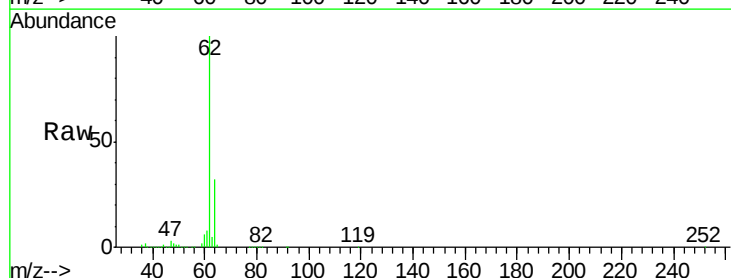
Acq: 28 Sep 2018 9:28

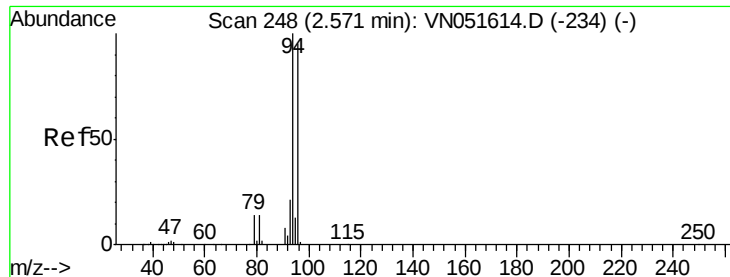
Tgt Ion: 62 Resp: 1104819

Ion Ratio Lower Upper

62 100

64 31.8 26.3 39.5





#5

Bromomethane

Concen: 97.793 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

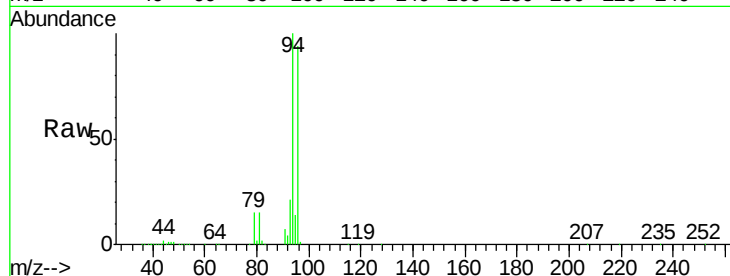
VSTDIC100

Tgt Ion: 94 Resp: 557371

Ion Ratio Lower Upper

94 100

96 94.2 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.56

300000

250000

200000

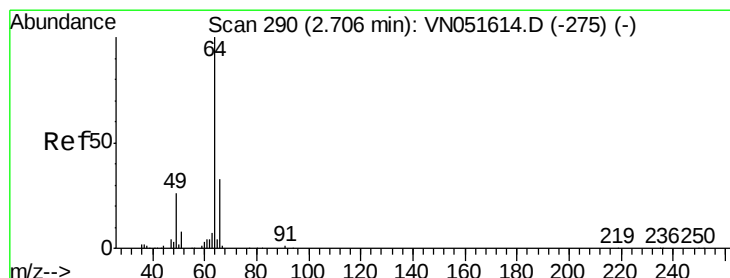
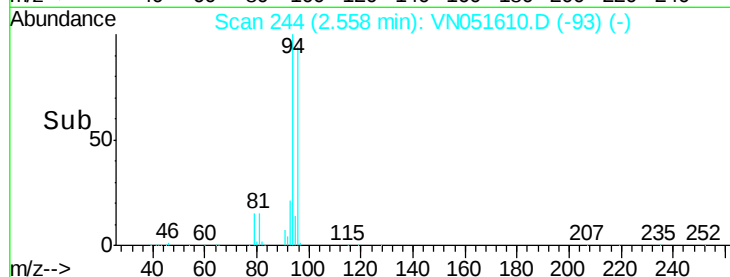
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 101.326 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN051610.D

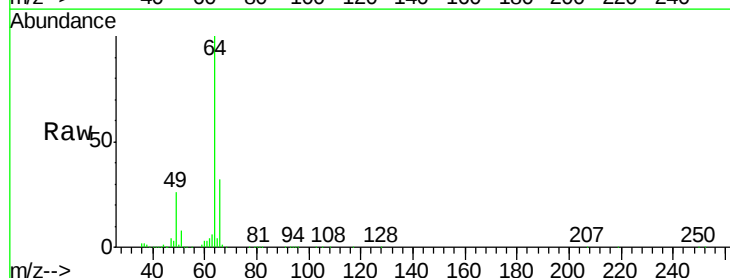
Acq: 28 Sep 2018 9:28

Tgt Ion: 64 Resp: 557747

Ion Ratio Lower Upper

64 100

66 31.8 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

300000

250000

200000

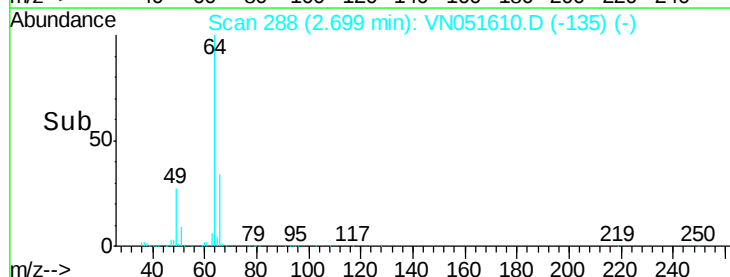
150000

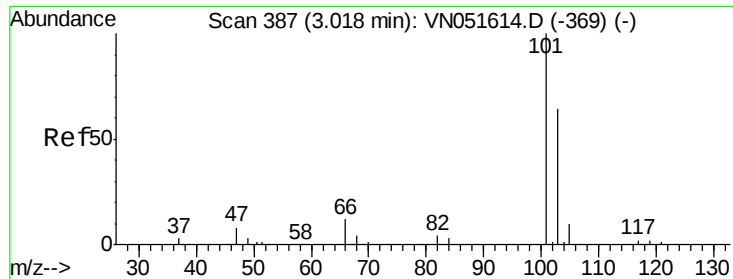
100000

50000

0

Time--> 2.60 2.70 2.80



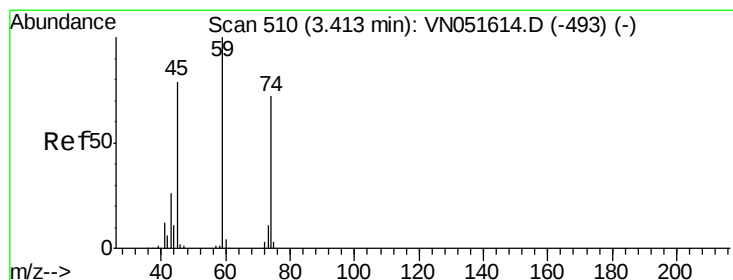
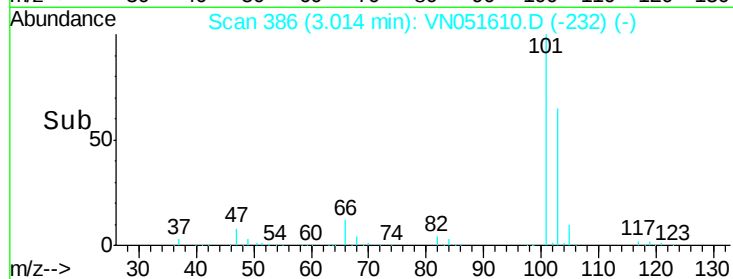
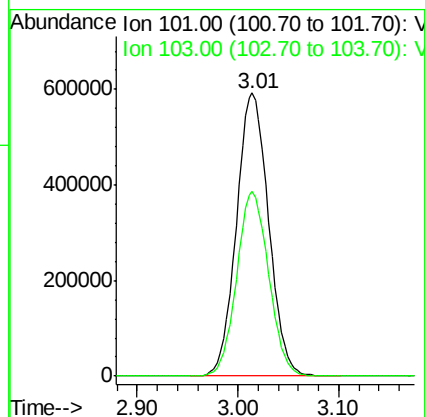
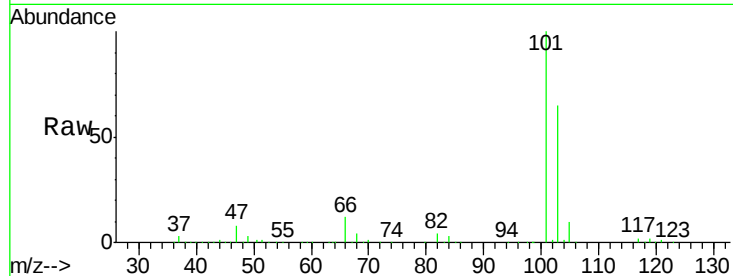


#7

Trichlorofluoromethane
Concen: 97.689 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

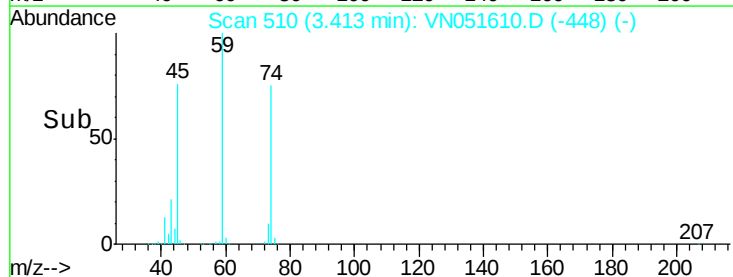
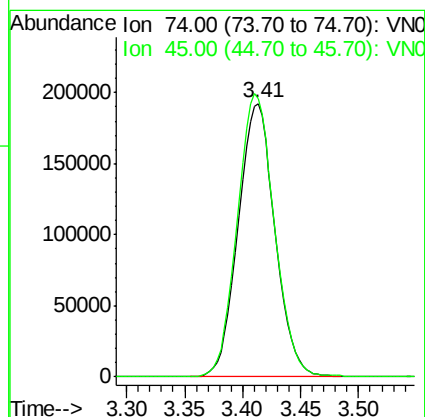
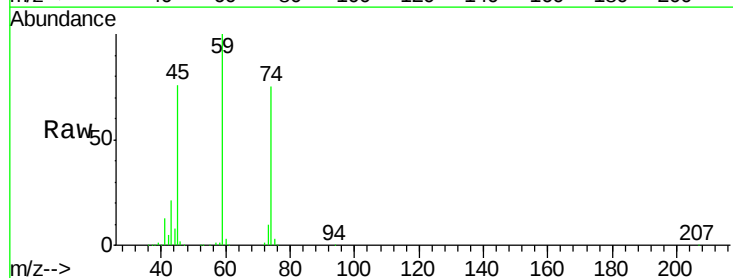
Tgt Ion:101 Resp: 1309641
Ion Ratio Lower Upper
101 100
103 65.1 51.2 76.8

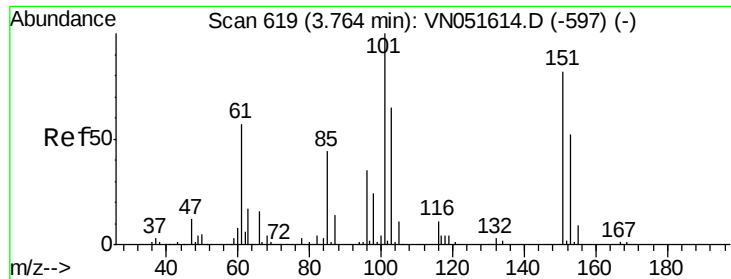


#8

Diethyl Ether
Concen: 100.504 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 74 Resp: 423202
Ion Ratio Lower Upper
74 100
45 104.7 21.3 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.657 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

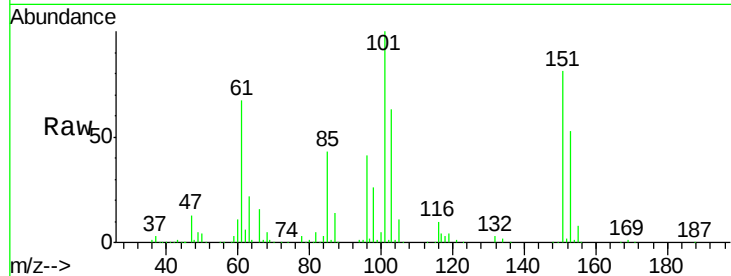
Tgt Ion: 101 Resp: 732456

Ion Ratio Lower Upper

101 100

85 43.4 0.0 89.4

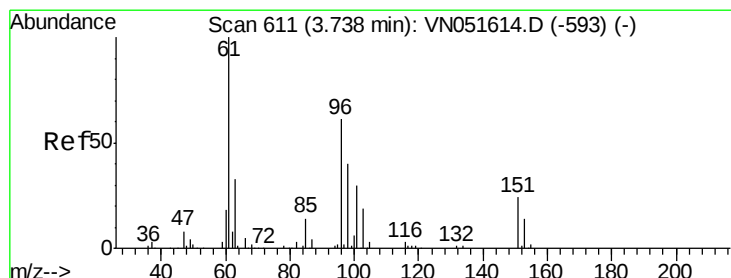
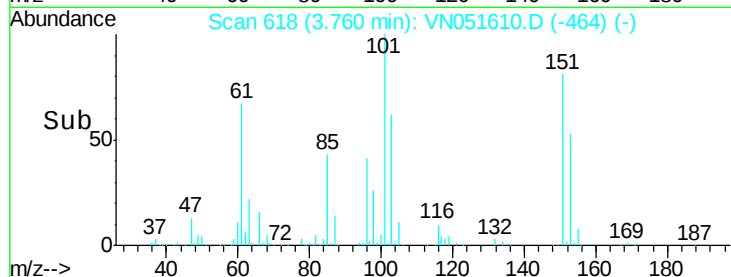
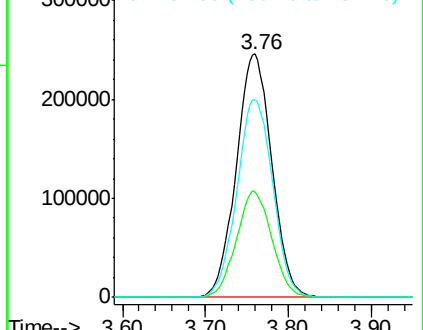
151 82.2 0.0 167.6



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: 98.997 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

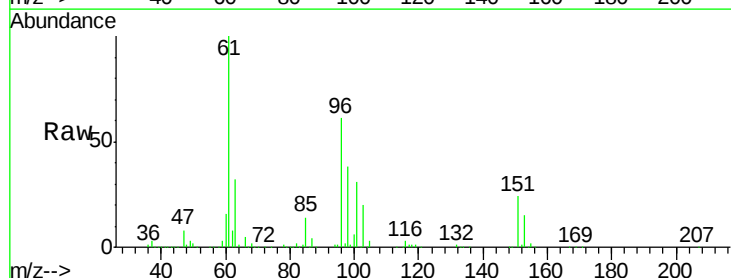
Tgt Ion: 96 Resp: 680802

Ion Ratio Lower Upper

96 100

61 164.9 131.0 196.4

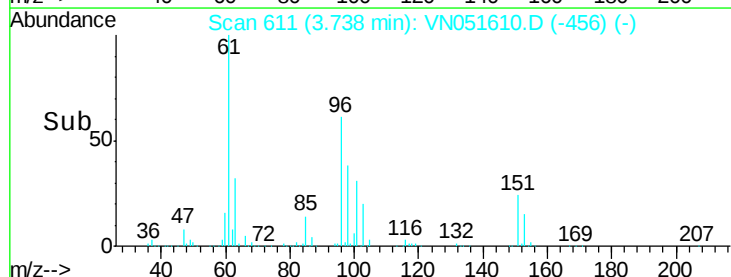
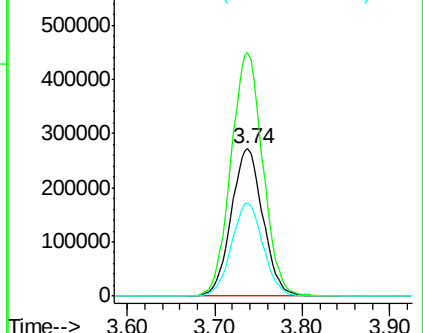
98 63.2 52.7 79.1

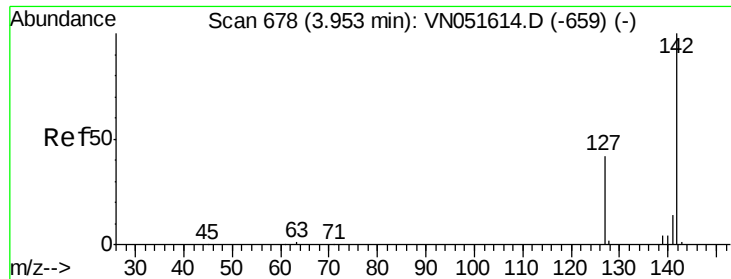


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

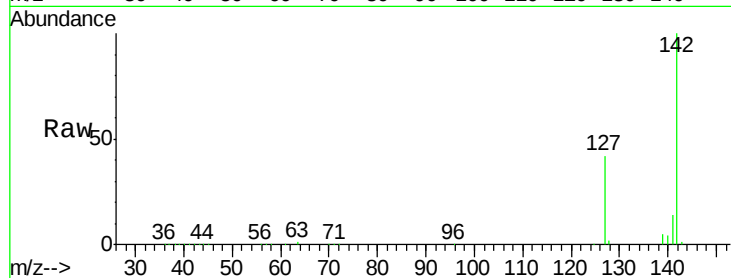




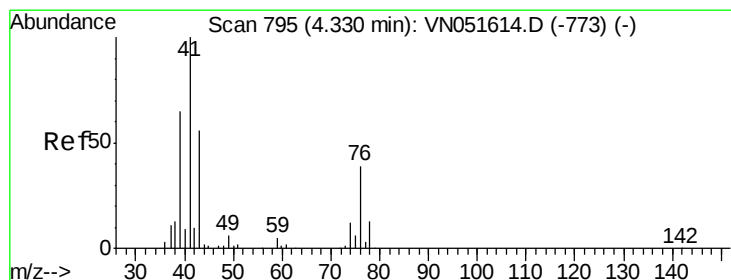
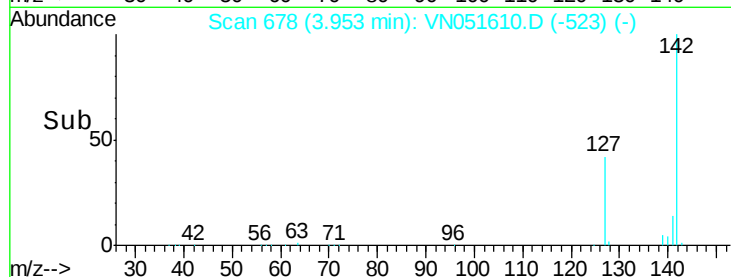
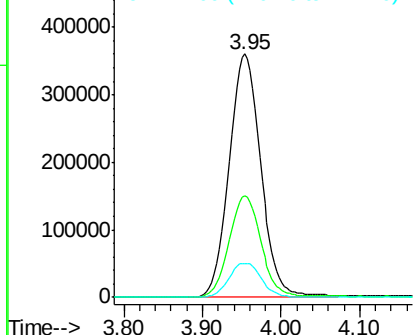
#11
Methyl Iodide
Concen: 114.691 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:142 Resp: 1015286
Ion Ratio Lower Upper
142 100
127 41.7 21.1 63.1
141 13.9 7.1 21.4

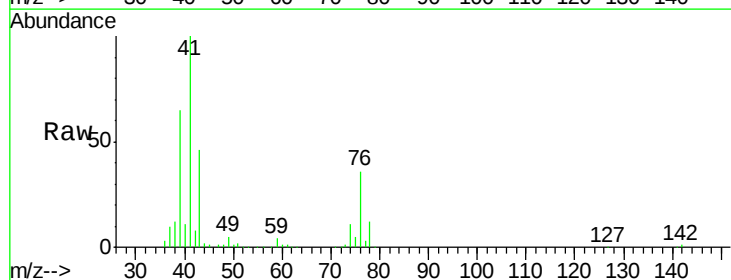


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

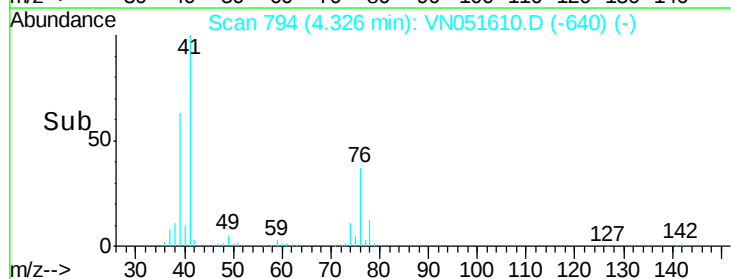
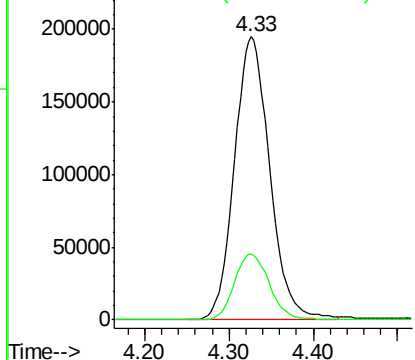


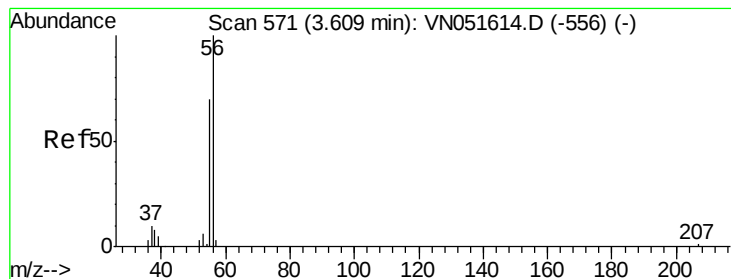
#12
Methyl Acetate
Concen: 92.781 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 43 Resp: 563111
Ion Ratio Lower Upper
43 100
74 23.3 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 513.707 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

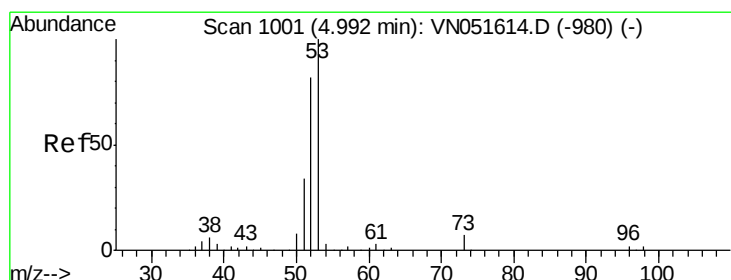
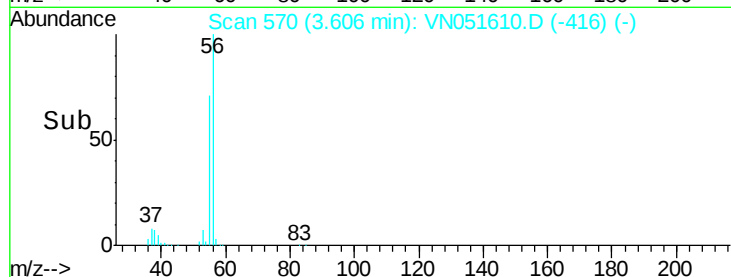
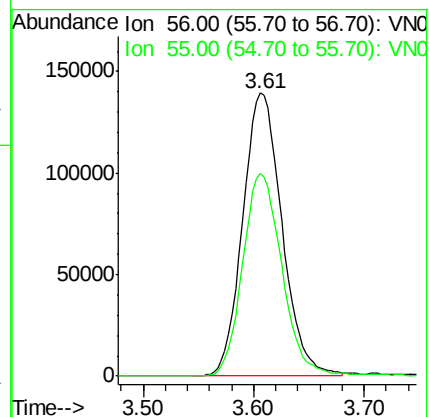
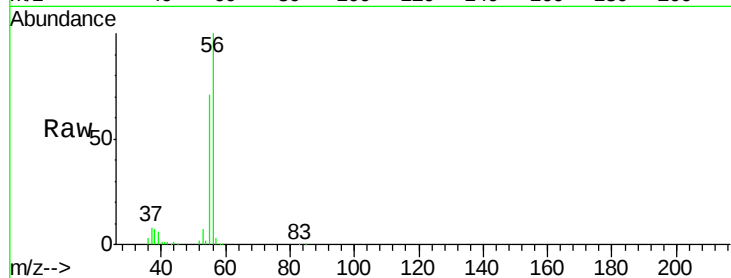
VSTDIC100

Tgt Ion: 56 Resp: 344460

Ion Ratio Lower Upper

56 100

55 70.5 55.8 83.8



#14

Acrylonitrile

Concen: 507.189 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

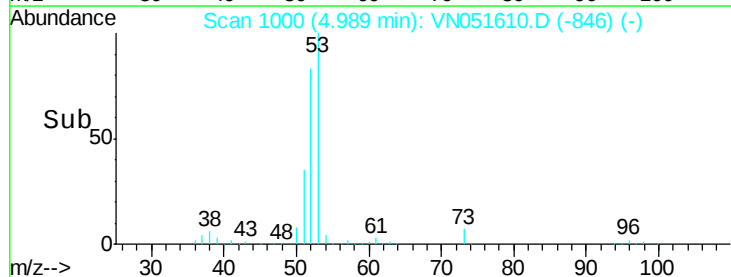
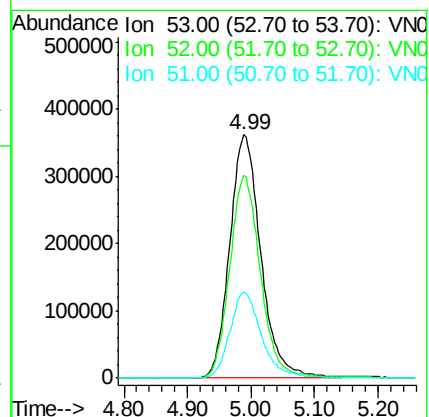
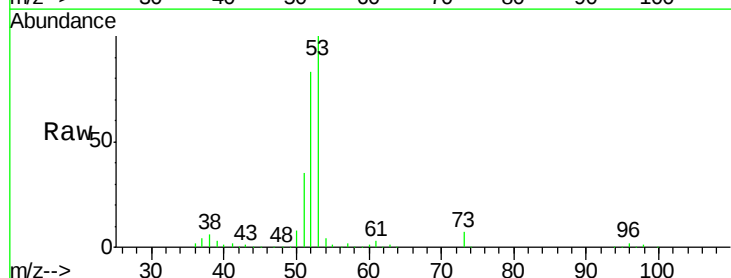
Tgt Ion: 53 Resp: 1232790

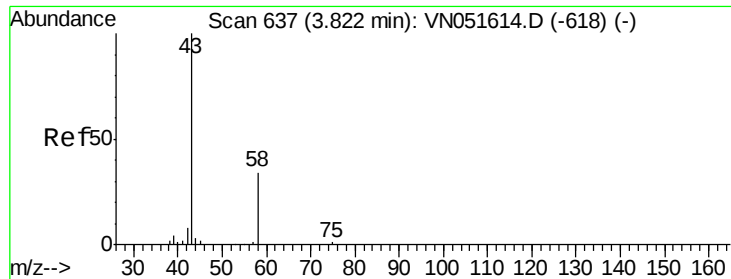
Ion Ratio Lower Upper

53 100

52 81.6 41.3 123.7

51 35.8 17.1 51.2





#15

Acetone

Concen: 482.329 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

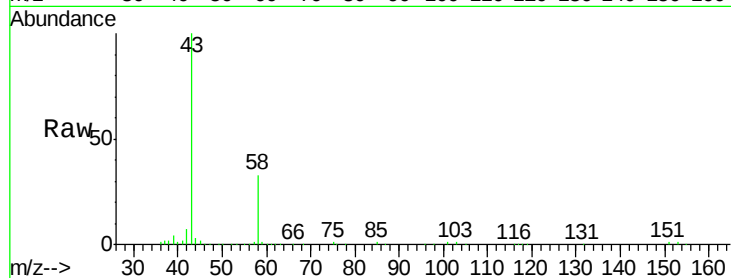
VSTDIC100

Tgt Ion: 58 Resp: 307387

Ion Ratio Lower Upper

58 100

43 299.6 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN051610.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN051610.D (-618) (-)

400000

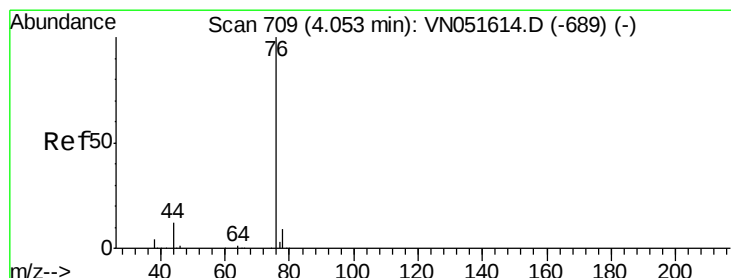
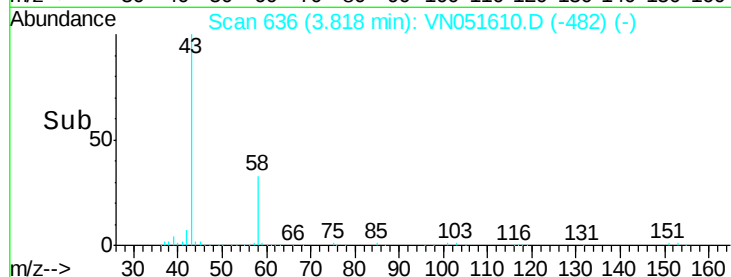
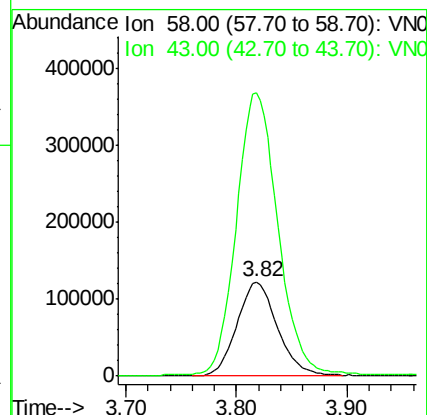
300000

200000

100000

0

3.70 3.80 3.90



#16

Carbon Disulfide

Concen: 97.781 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051610.D

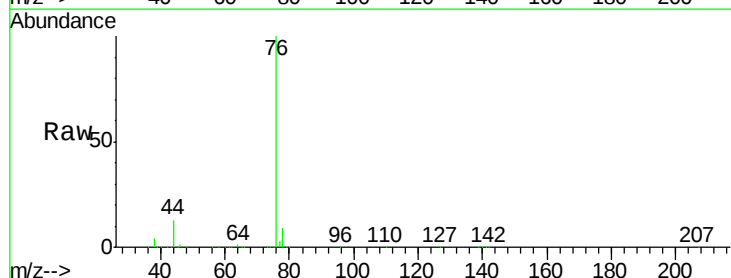
Acq: 28 Sep 2018 9:28

Tgt Ion: 76 Resp: 2166917

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051610.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051610.D (-689) (-)

800000

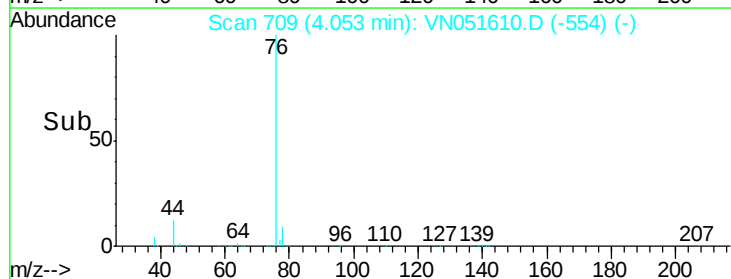
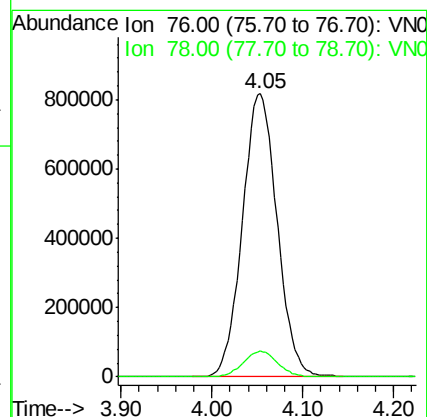
600000

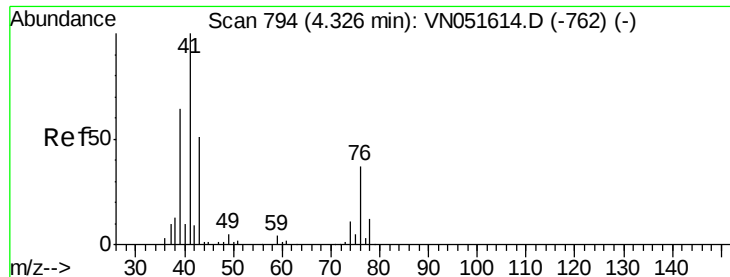
400000

200000

0

3.90 4.00 4.10 4.20





#17

Allyl chloride

Concen: 103.163 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

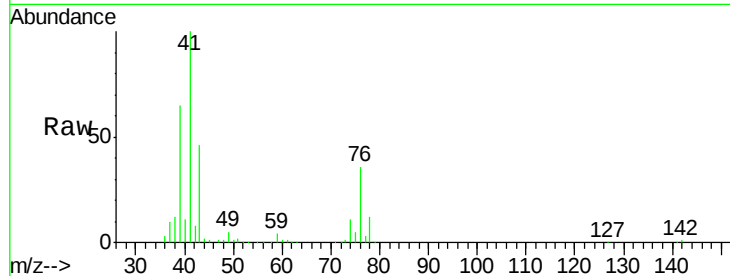
Tgt Ion: 41 Resp: 1269109

Ion Ratio Lower Upper

41 100

39 65.0 31.9 95.9

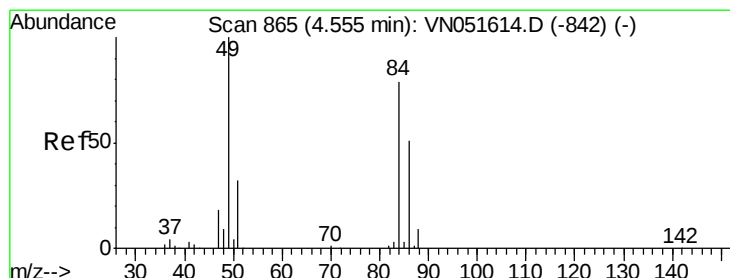
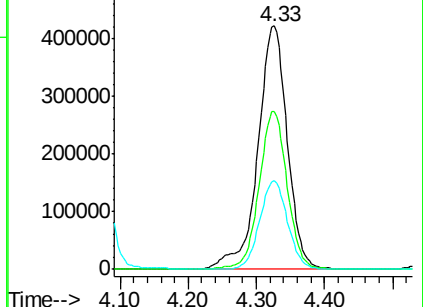
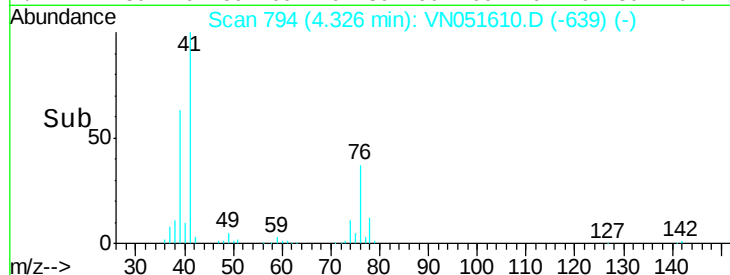
76 36.1 18.6 56.0



Abundance Ion 41.00 (40.70 to 41.70): VN051610.D (-639) (-)

Ion 39.00 (38.70 to 39.70): VN051610.D (-639) (-)

Ion 76.00 (75.70 to 76.70): VN051610.D (-639) (-)



#18

Methylene Chloride

Concen: 95.826 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion: 84 Resp: 757624

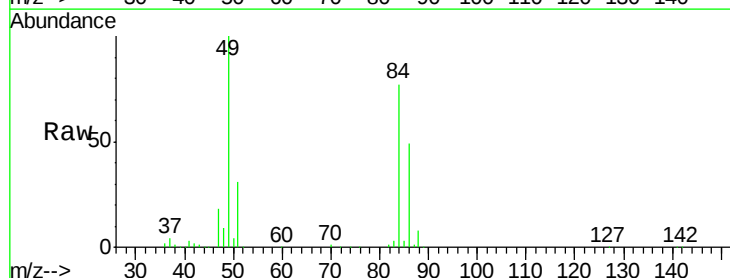
Ion Ratio Lower Upper

84 100

49 129.4 100.9 151.3

51 39.5 32.5 48.7

86 64.1 51.3 76.9

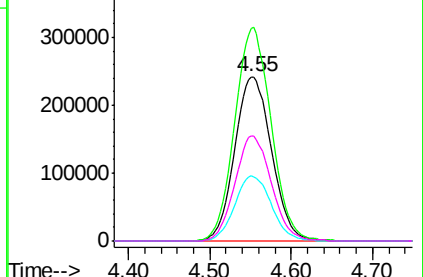
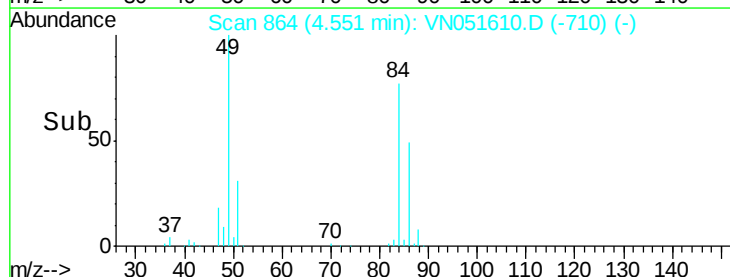


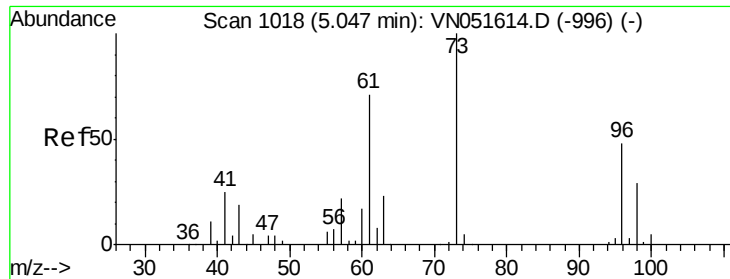
Abundance Ion 84.00 (83.70 to 84.70): VN051610.D (-710) (-)

Ion 49.00 (48.70 to 49.70): VN051610.D (-710) (-)

Ion 51.00 (50.70 to 51.70): VN051610.D (-710) (-)

Ion 86.00 (85.70 to 86.70): VN051610.D (-710) (-)

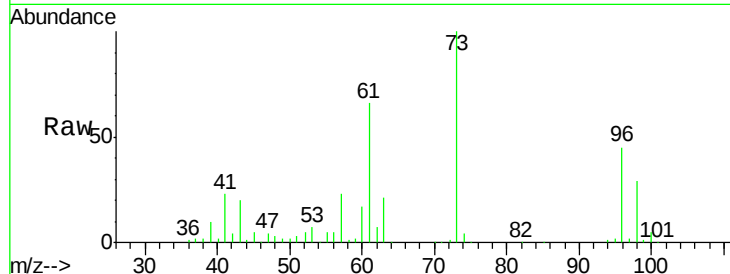




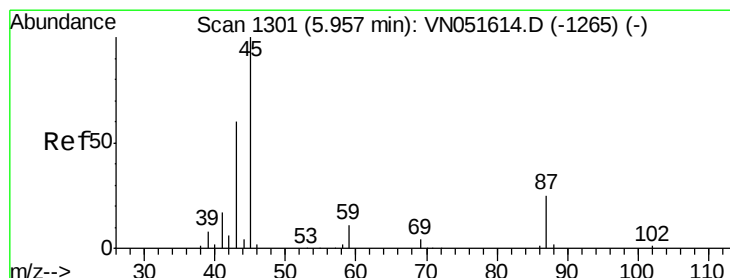
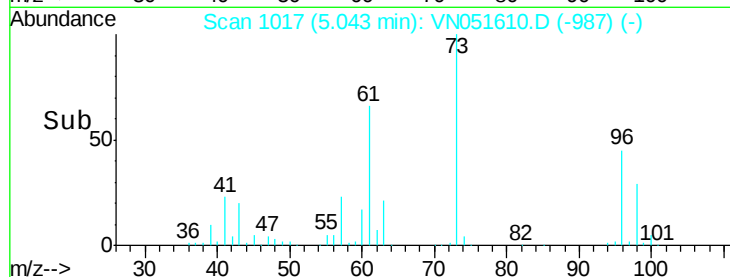
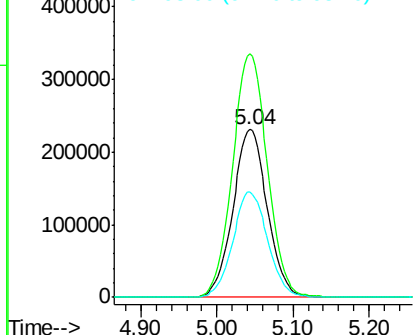
#19
trans-1,2-Dichloroethene
Concen: 99.190 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 724095
Ion Ratio Lower Upper
96 100
61 145.3 118.0 177.0
98 62.8 49.0 73.4

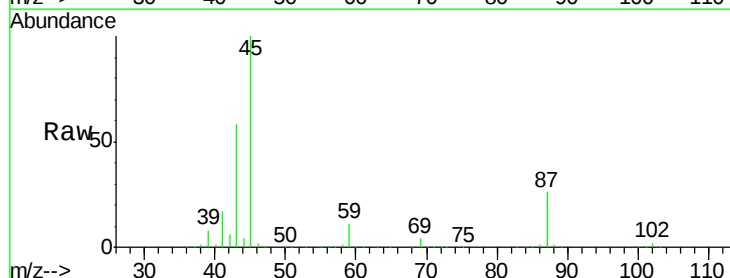


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

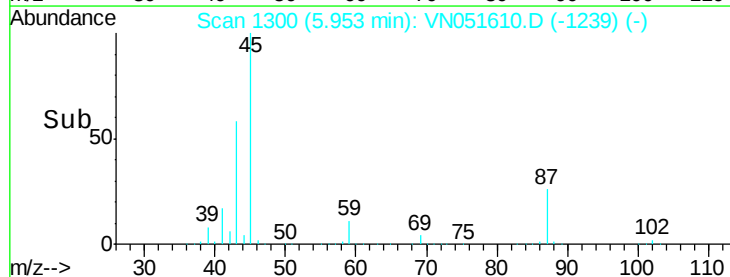
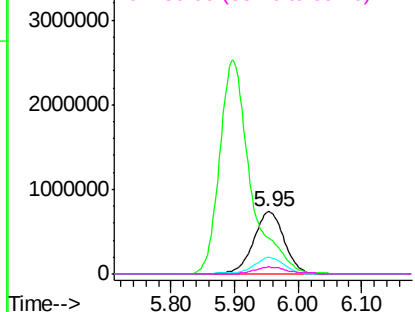


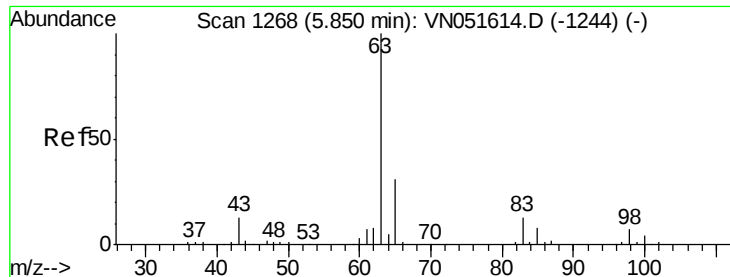
#20
Diisopropyl ether
Concen: 101.731 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 45 Resp: 2482705
Ion Ratio Lower Upper
45 100
43 57.4 48.3 72.5
87 26.1 20.8 31.2
59 11.3 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

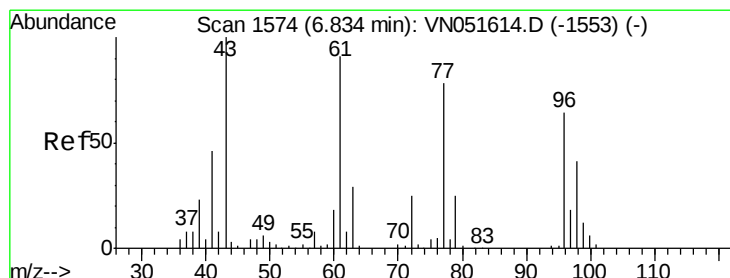
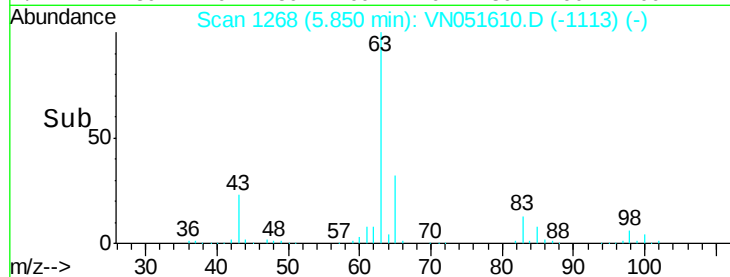
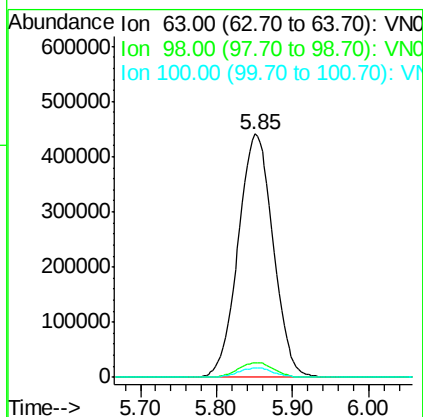
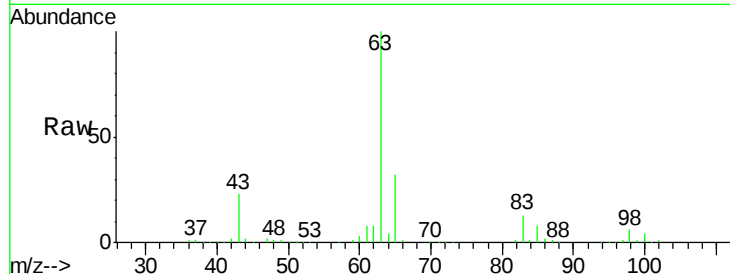




#21
 1,1-Dichloroethane
 Concen: 97.412 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

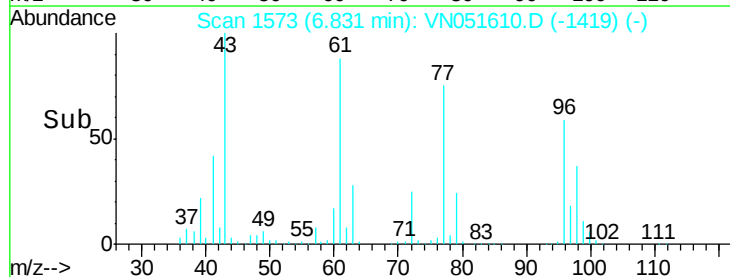
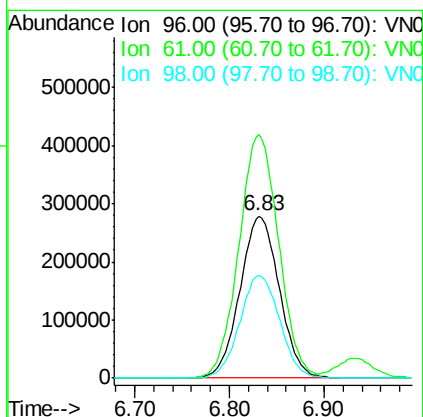
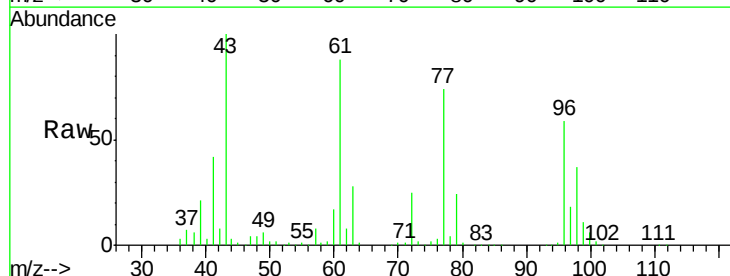
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

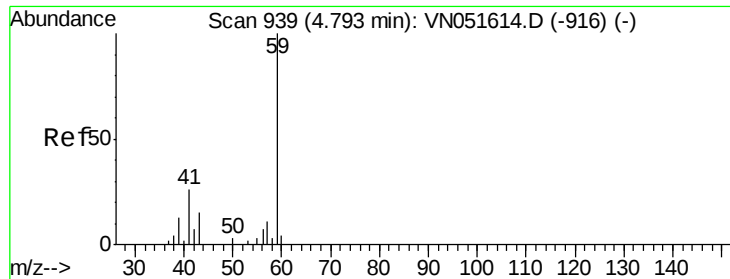
Tgt Ion: 63 Resp: 1408970
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.9
 100 4.0 2.0 5.8



#22
 cis-1,2-Dichloroethene
 Concen: 100.868 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion: 96 Resp: 804182
 Ion Ratio Lower Upper
 96 100
 61 152.3 120.4 180.6
 98 64.4 51.4 77.0



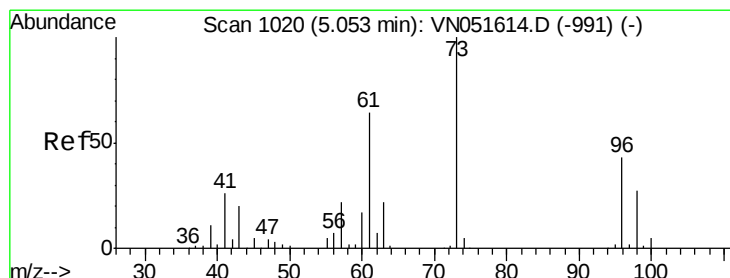
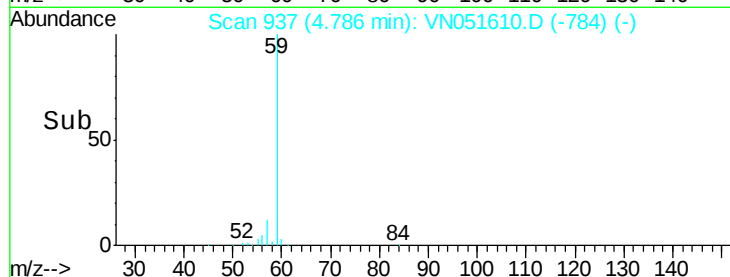
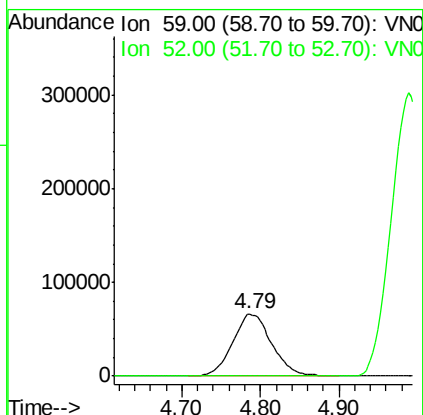
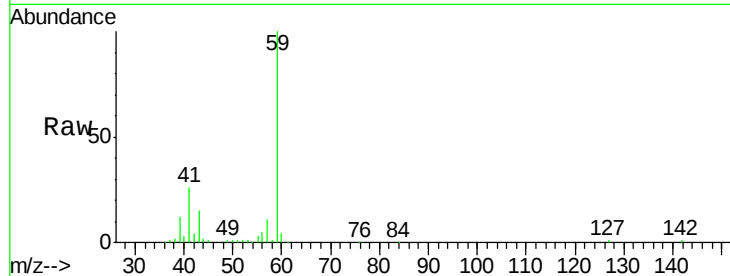


#23

tert-Butyl Alcohol
Concen: 499.086 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.01 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

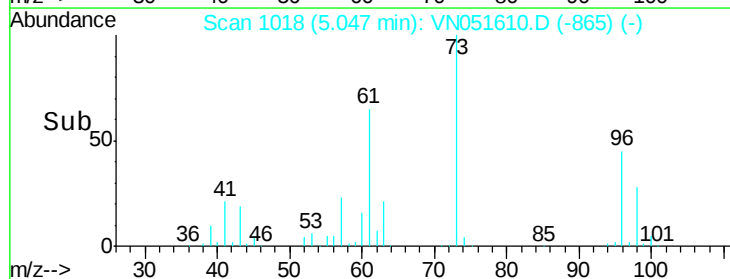
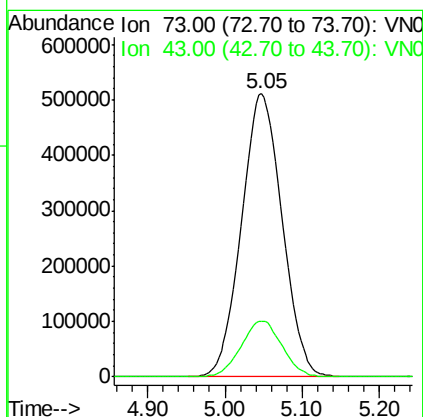
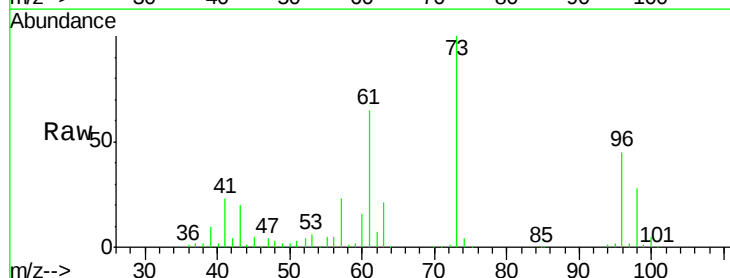
Tgt Ion: 59 Resp: 231176
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

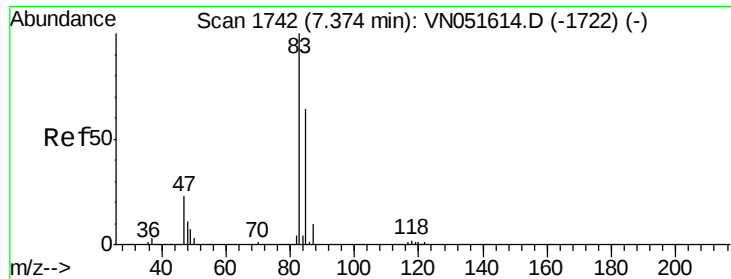


#24

Methyl tert-Butyl Ether
Concen: 103.410 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 73 Resp: 1869011
Ion Ratio Lower Upper
73 100
43 19.8 16.1 24.1





#25

Chloroform

Concen: 97.385 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

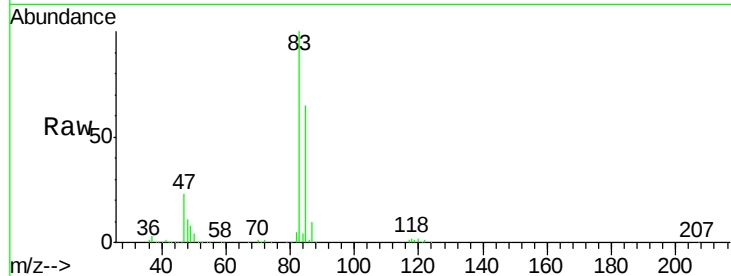
VSTDIC100

Tgt Ion: 83 Resp: 1346812

Ion Ratio Lower Upper

83 100

85 64.9 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VN051610.D (-1587) (-)

Ion 85.00 (84.70 to 85.70): VN051610.D (-1587) (-)

7.37

600000

500000

400000

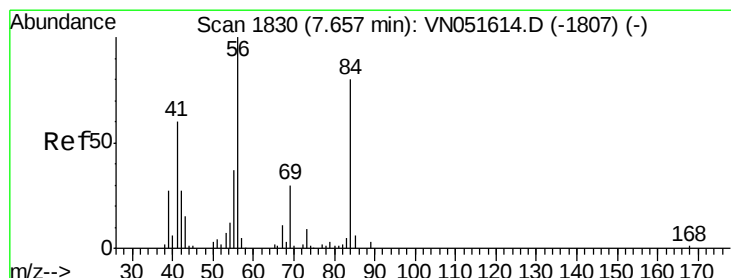
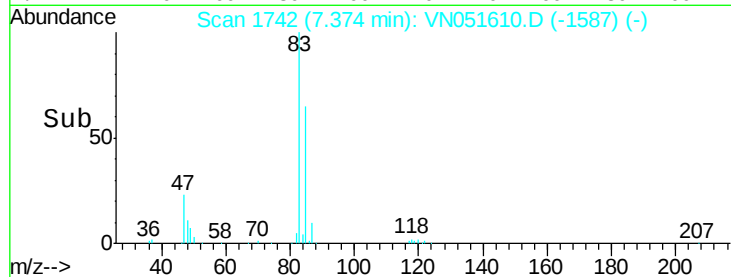
300000

200000

100000

0

Time-->



#26

Cyclohexane

Concen: 106.106 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

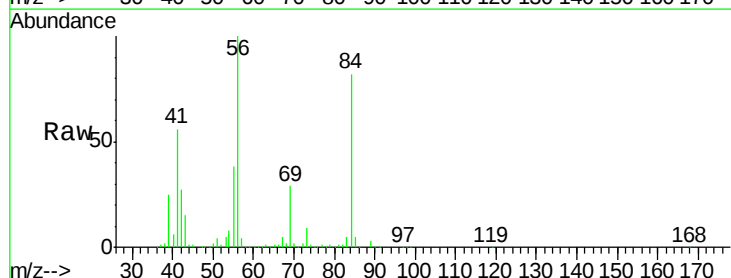
Tgt Ion: 56 Resp: 1328097

Ion Ratio Lower Upper

56 100

89 2.8 2.2 3.2

84 82.1 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN051610.D (-1675) (-)

Ion 89.00 (88.70 to 89.70): VN051610.D (-1675) (-)

Ion 84.00 (83.70 to 84.70): VN051610.D (-1675) (-)

800000

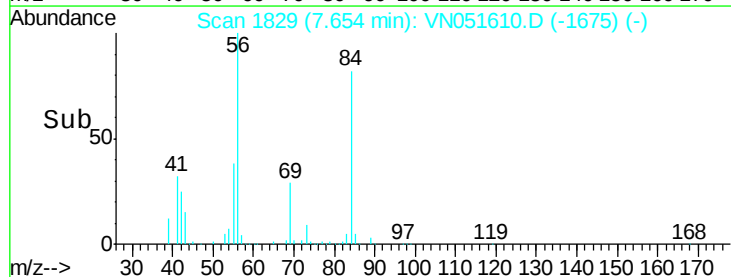
600000

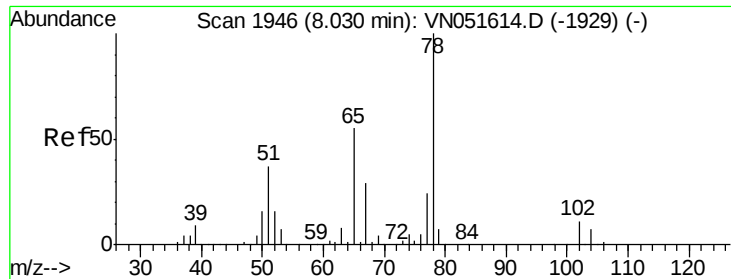
400000

200000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 106.106 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

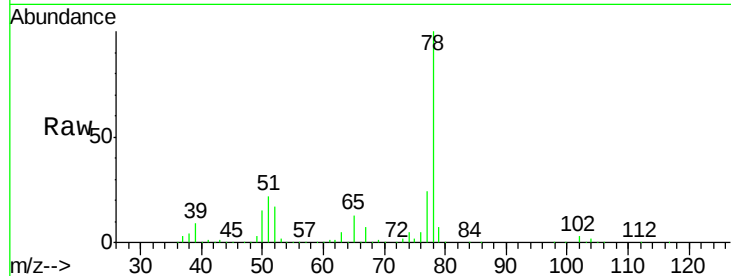
VSTDIC100

Tgt Ion: 65 Resp: 236077

Ion Ratio Lower Upper

65 100

67 53.7 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VN051610.D (-1945) (-)

Ion 67.00 (66.70 to 67.70): VN051610.D (-1945) (-)

8.03

100000

80000

60000

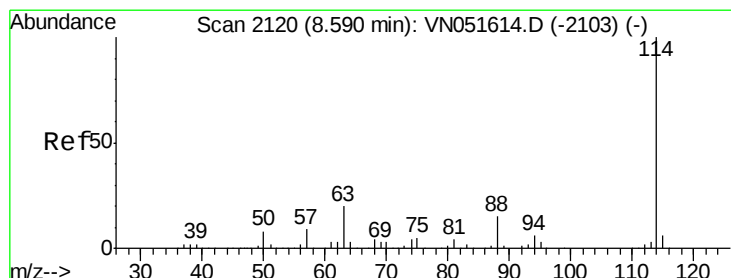
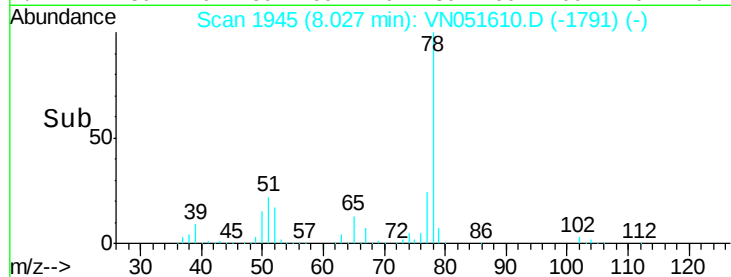
40000

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: VN051610.D

Acq: 28 Sep 2018 9:28

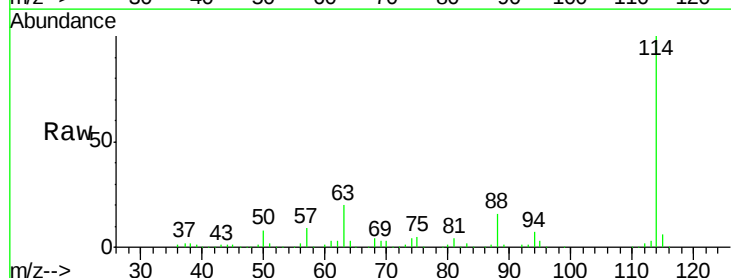
Tgt Ion: 114 Resp: 613064

Ion Ratio Lower Upper

114 100

63 20.7 16.4 24.6

88 15.9 12.6 18.8



Abundance Ion 114.00 (113.70 to 114.70): VN051610.D (-2119) (-)

Ion 63.00 (62.70 to 63.70): VN051610.D (-2119) (-)

Ion 88.00 (87.70 to 88.70): VN051610.D (-2119) (-)

8.59

400000

300000

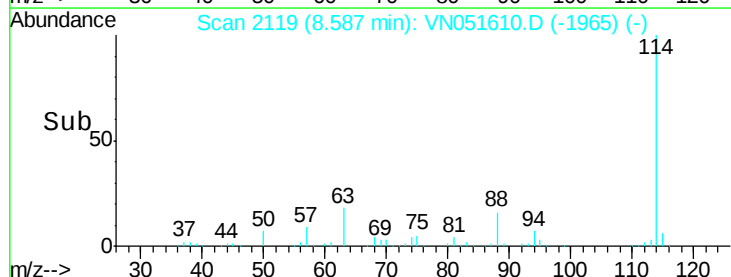
200000

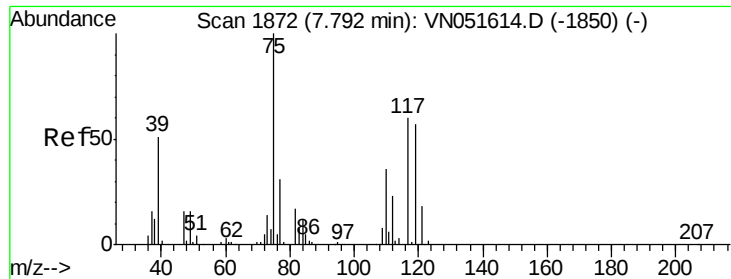
100000

0

8.50 8.55 8.60 8.65

Time-->





#29

1,1-Dichloropropene

Concen: 103.691 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

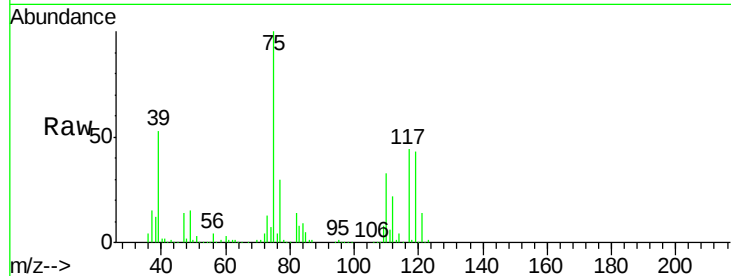
Tgt Ion: 75 Resp: 1083976

Ion Ratio Lower Upper

75 100

110 34.4 0.0 71.0

77 30.9 0.0 62.4

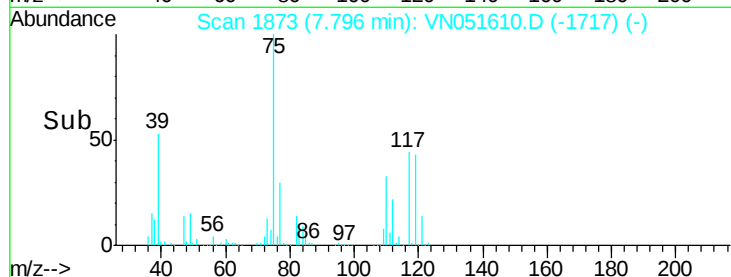


Abundance Ion 75.00 (74.70 to 75.70): VN051610.D (-1850) (-)

Ion 110.00 (109.70 to 110.70): VN051610.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN051610.D (-1850) (-)

Time-->



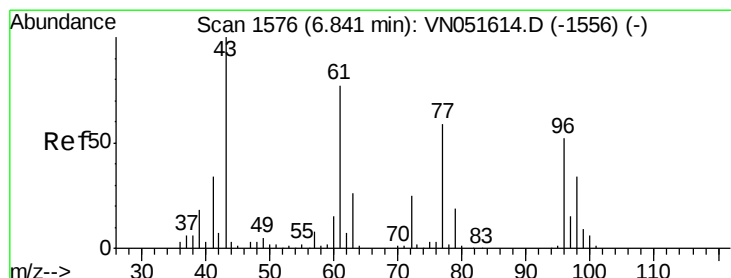
Abundance

Ion 75.00 (74.70 to 75.70): VN051610.D (-1717) (-)

Ion 110.00 (109.70 to 110.70): VN051610.D (-1717) (-)

Ion 77.00 (76.70 to 77.70): VN051610.D (-1717) (-)

Time-->



#30

2-Butanone

Concen: 514.088 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

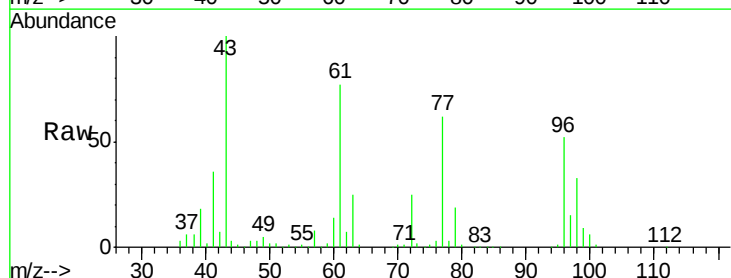
Tgt Ion: 43 Resp: 1462683

Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

72 25.5 20.8 31.2

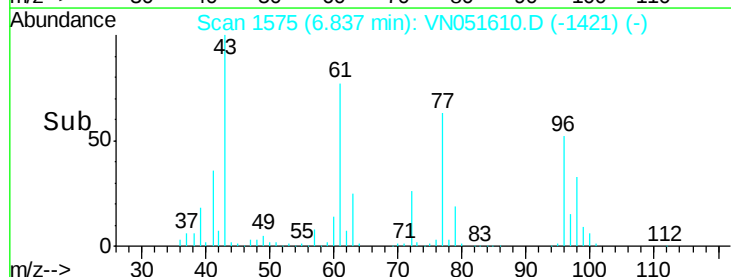


Abundance Ion 43.00 (42.70 to 43.70): VN051610.D (-1421) (-)

Ion 57.00 (56.70 to 57.70): VN051610.D (-1421) (-)

Ion 72.00 (71.70 to 72.70): VN051610.D (-1421) (-)

Time-->



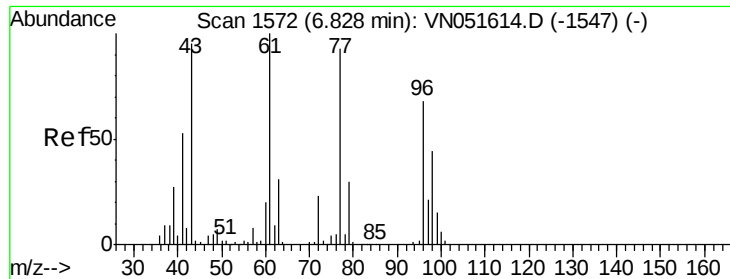
Abundance

Ion 43.00 (42.70 to 43.70): VN051610.D (-1421) (-)

Ion 57.00 (56.70 to 57.70): VN051610.D (-1421) (-)

Ion 72.00 (71.70 to 72.70): VN051610.D (-1421) (-)

Time-->



#31

2,2-Dichloropropane

Concen: 100.992 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

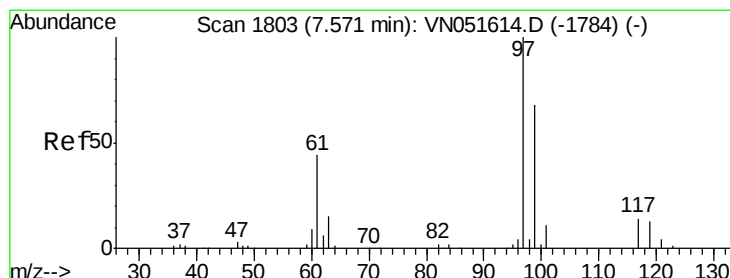
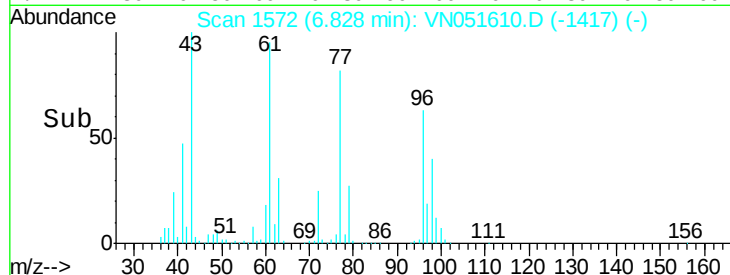
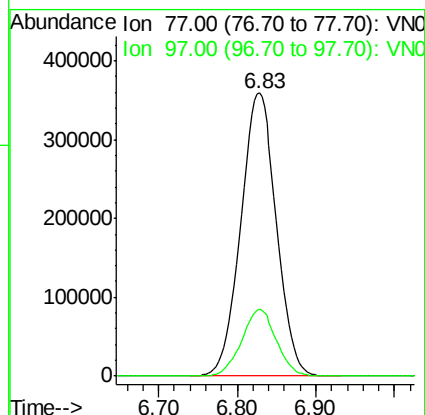
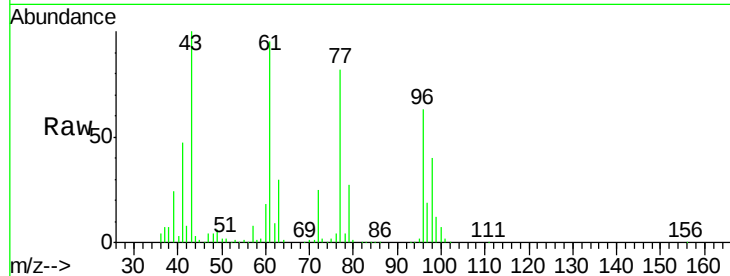
VSTDIC100

Tgt Ion: 77 Resp: 1139466

Ion Ratio Lower Upper

77 100

97 23.0 18.6 28.0



#32

1,1,1-Trichloroethane

Concen: 99.688 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

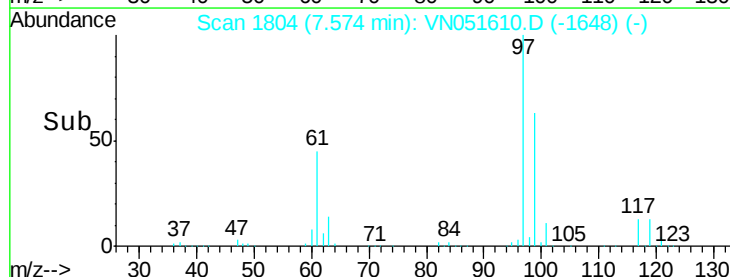
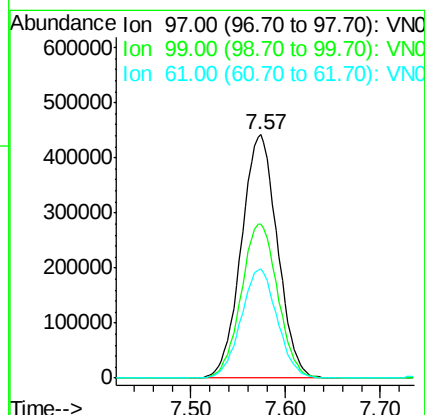
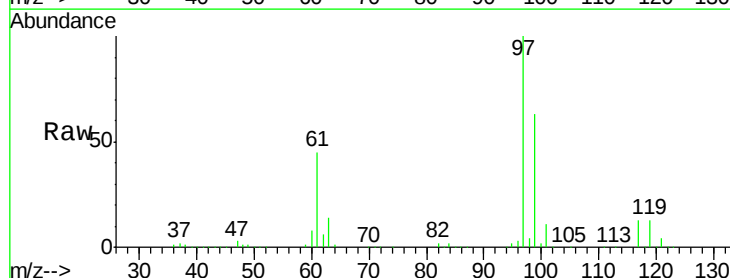
Tgt Ion: 97 Resp: 1170928

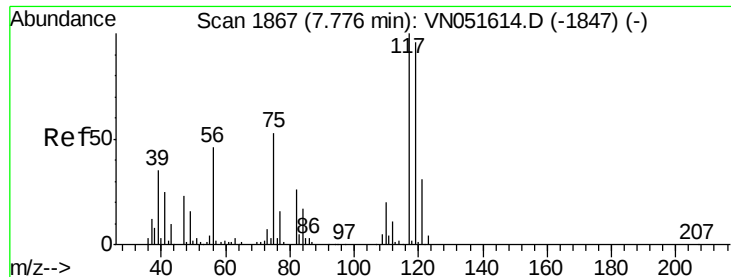
Ion Ratio Lower Upper

97 100

99 64.1 52.2 78.4

61 44.8 36.2 54.4

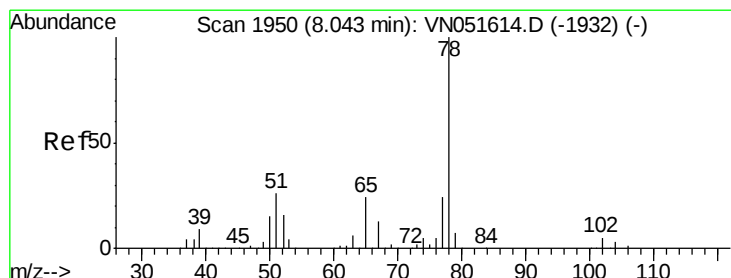
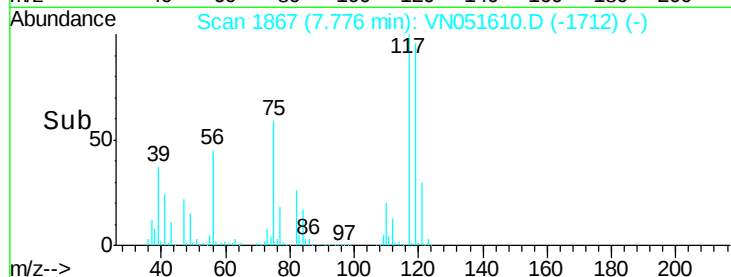
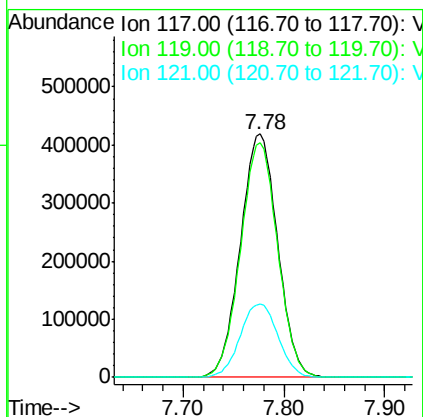
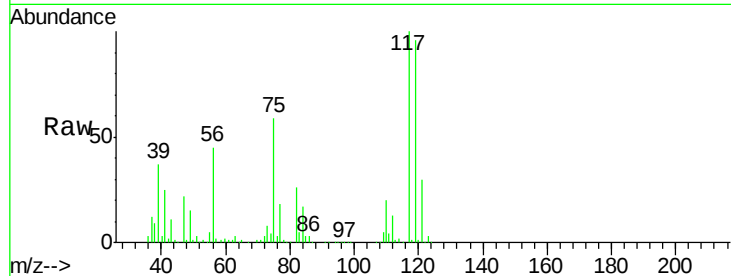




#33
Carbon Tetrachloride
Concen: 101.399 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

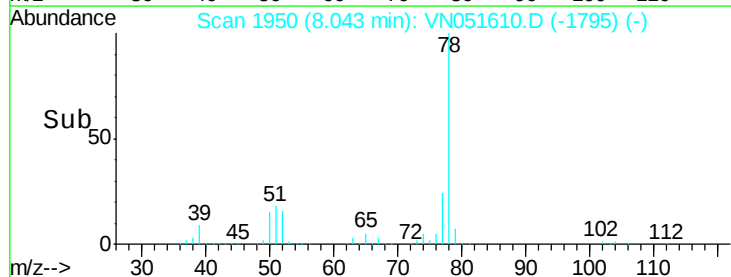
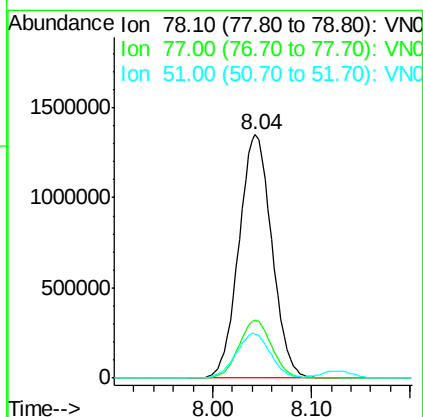
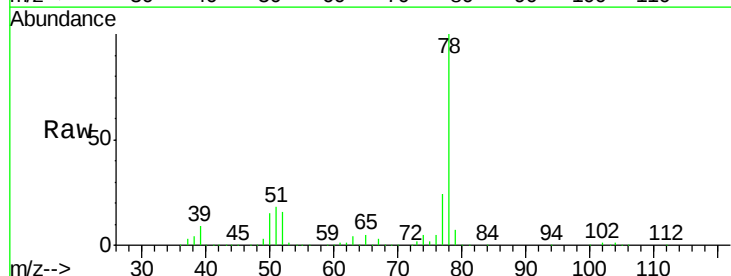
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

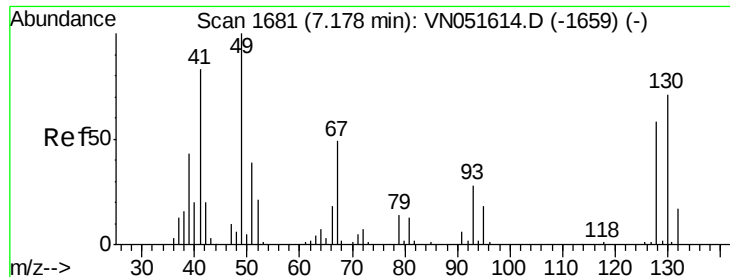
Tgt Ion:117 Resp: 1070466
Ion Ratio Lower Upper
117 100
119 96.2 76.5 114.7
121 30.0 25.0 37.6



#34
Benzene
Concen: 100.545 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 78 Resp: 3118404
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9
51 18.3 20.8 31.2#

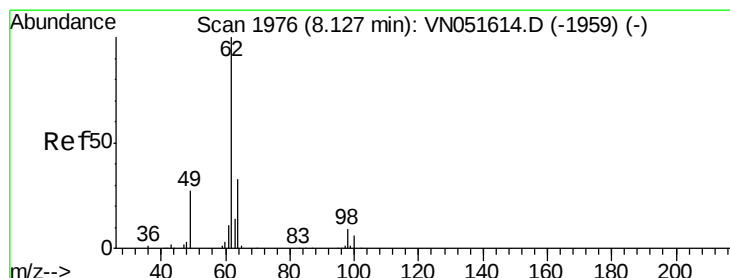
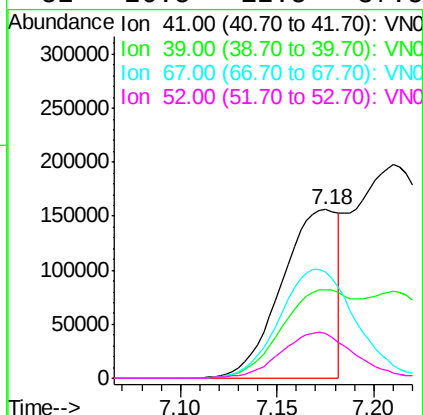
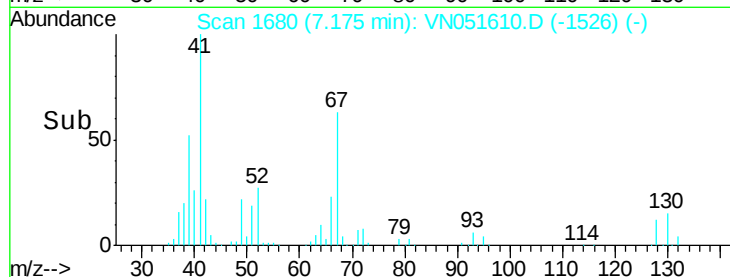
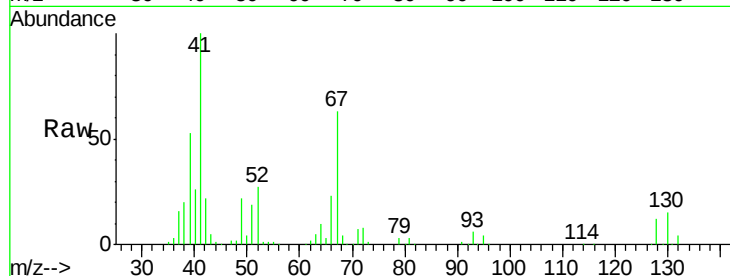




#35
Methacrylonitrile
Concen: 95.308 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

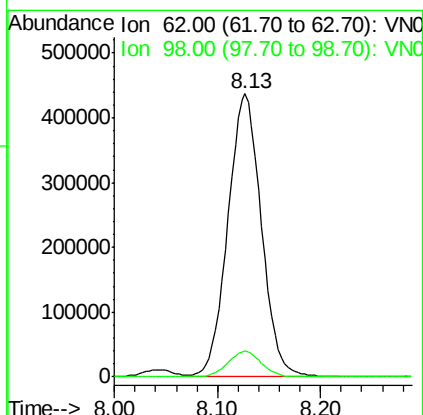
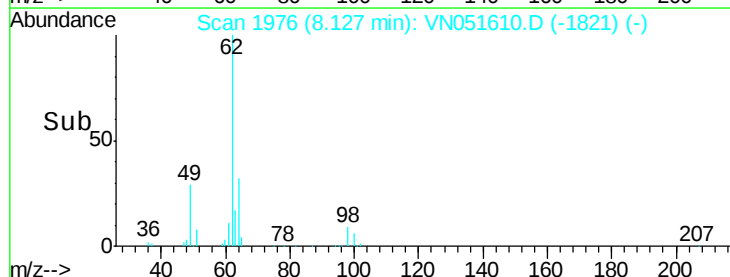
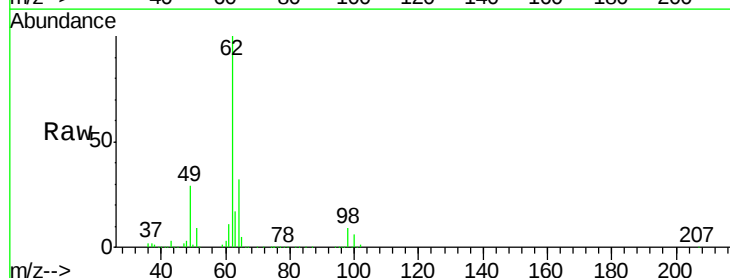
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

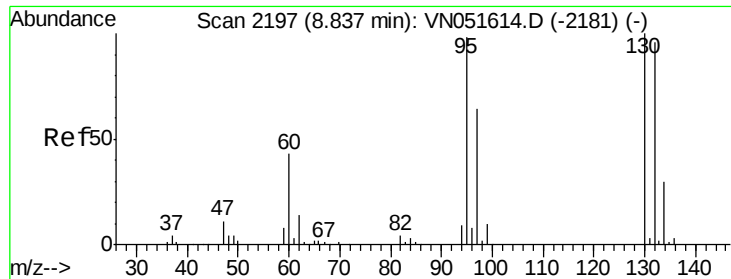
Tgt Ion: 41 Resp: 314325
Ion Ratio Lower Upper
41 100
39 52.5 25.6 76.8
67 62.8 29.4 88.2
52 26.5 12.5 37.5



#36
1,2-Dichloroethane
Concen: 99.382 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 62 Resp: 982496
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

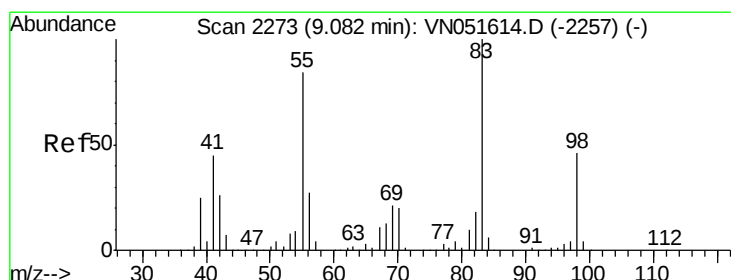
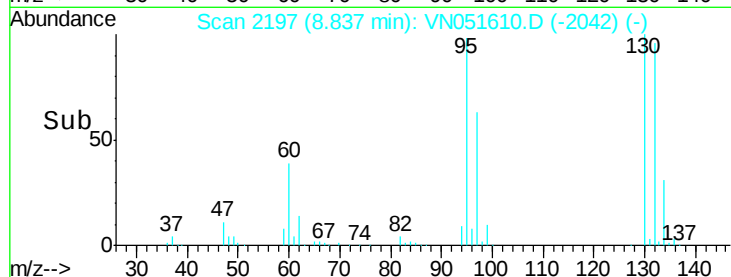
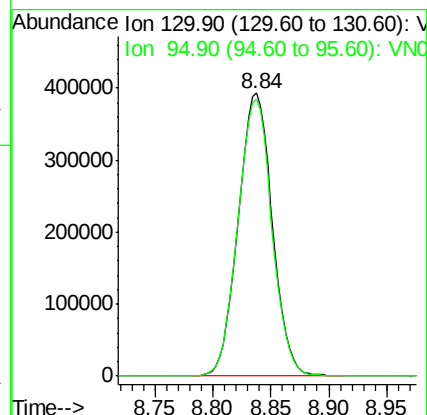
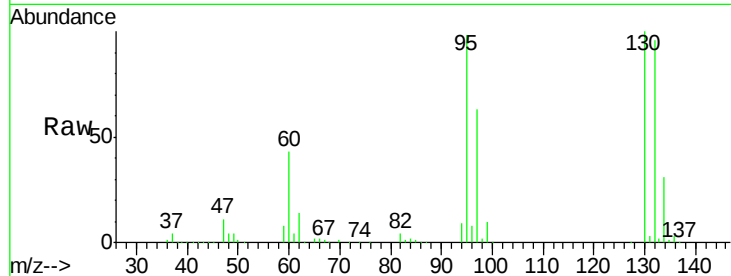




#37
 Trichloroethene
 Concen: 100.566 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

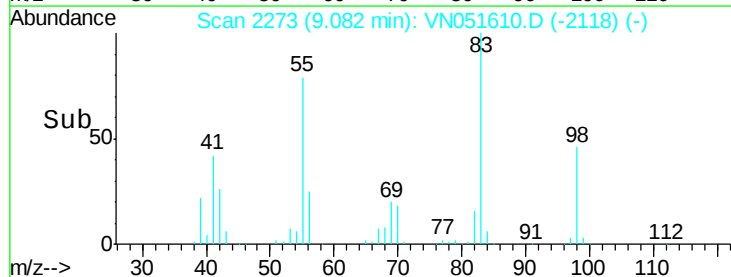
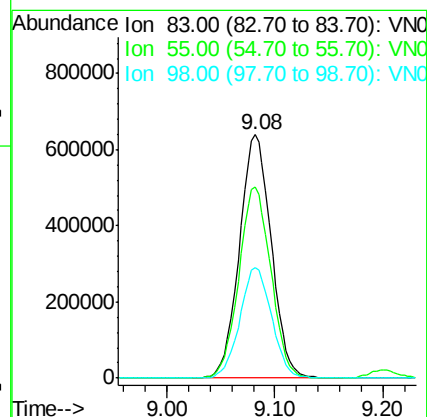
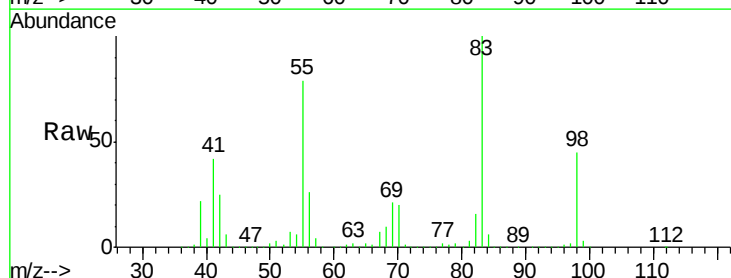
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

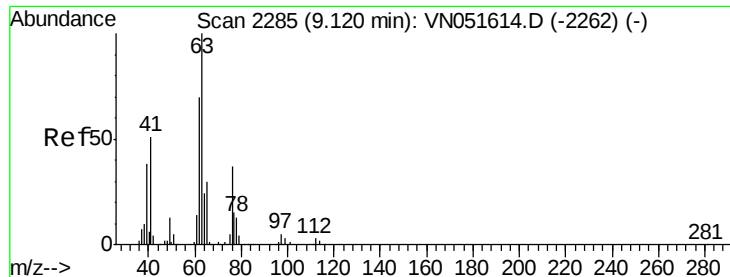
Tgt Ion:130 Resp: 800797
 Ion Ratio Lower Upper
 130 100
 95 98.0 78.4 117.6



#38
 Methylcyclohexane
 Concen: 108.821 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion: 83 Resp: 1312705
 Ion Ratio Lower Upper
 83 100
 55 79.0 41.6 124.9
 98 45.4 23.1 69.2





#39

1,2-Dichloropropane

Concen: 99.921 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

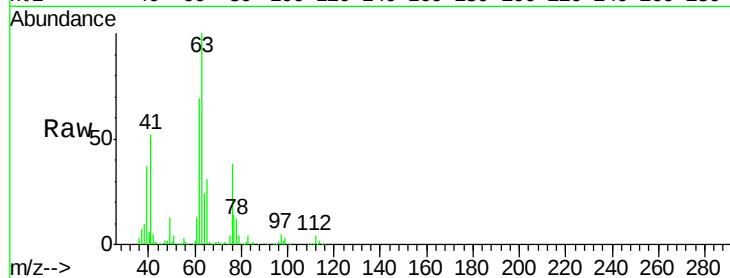
VSTDIC100

Tgt Ion: 63 Resp: 849177

Ion Ratio Lower Upper

63 100

65 30.6 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

9.12

400000

300000

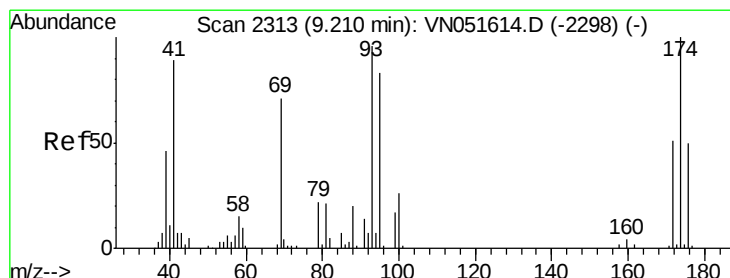
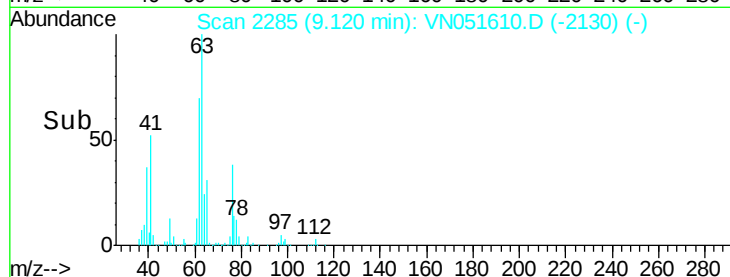
200000

100000

0

Time-->

9.00 9.10 9.20



#40

Dibromomethane

Concen: 99.840 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

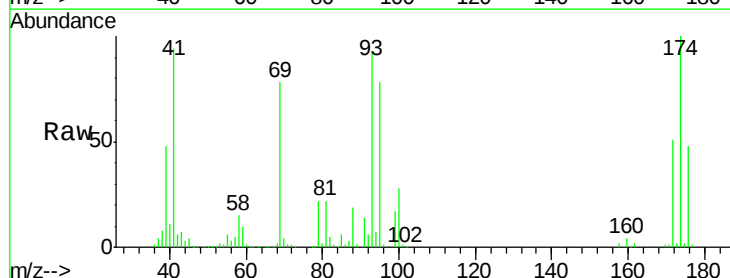
Tgt Ion: 93 Resp: 471337

Ion Ratio Lower Upper

93 100

95 83.6 0.0 171.0

174 107.4 0.0 212.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

300000

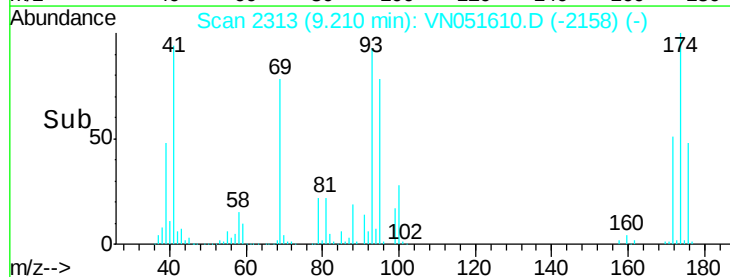
200000

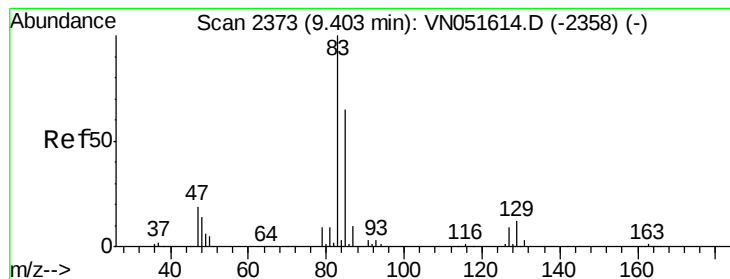
100000

0

Time-->

9.10 9.20 9.30





#41

Bromodichloromethane

Concen: 100.856 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

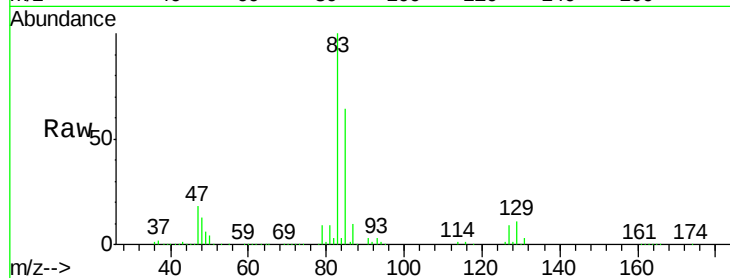
Tgt Ion: 83 Resp: 1039320

Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.1	78.1
127	8.7	7.1	10.7

83 100

85 63.8 52.1 78.1

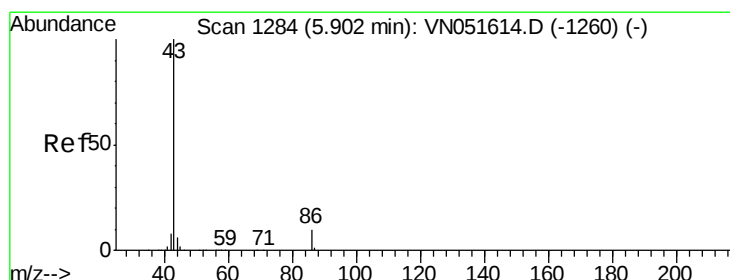
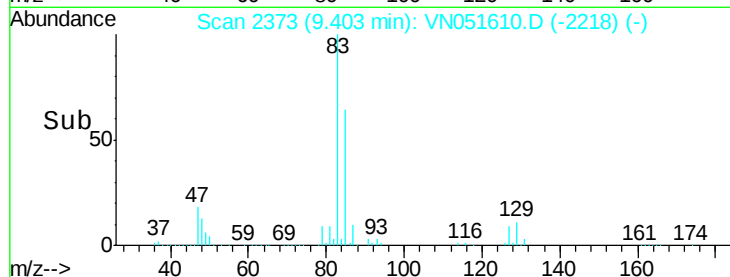
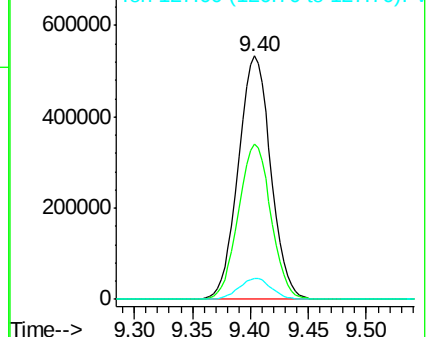
127 8.7 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051610.D (-2218) (-)

Ion 85.00 (84.70 to 85.70): VN051610.D (-2218) (-)

Ion 127.00 (126.70 to 127.70): VN051610.D (-2218) (-)



#42

Vinyl Acetate

Concen: 537.039 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN051610.D

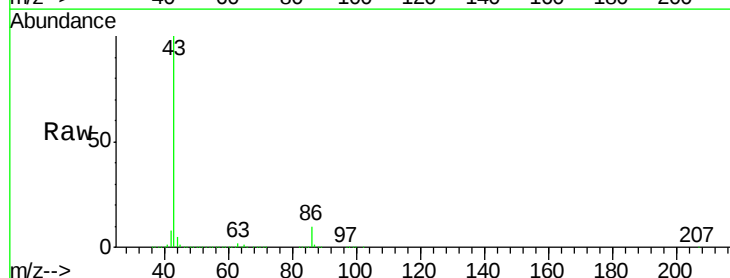
Acq: 28 Sep 2018 9:28

Tgt Ion: 43 Resp: 8506511

Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.6	9.8

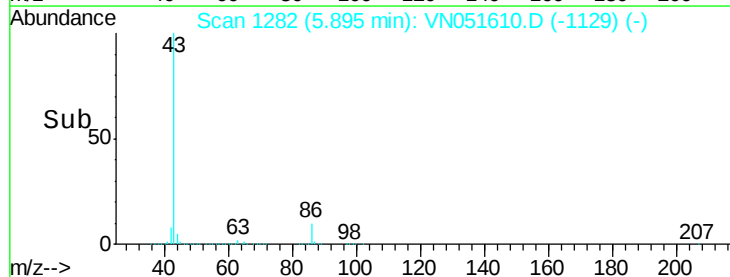
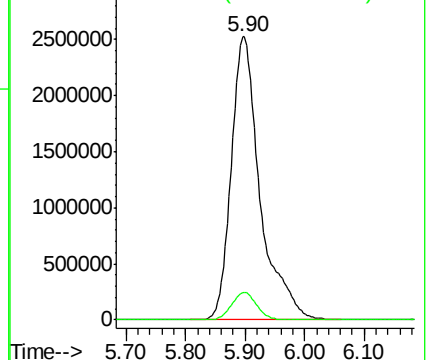
43 100

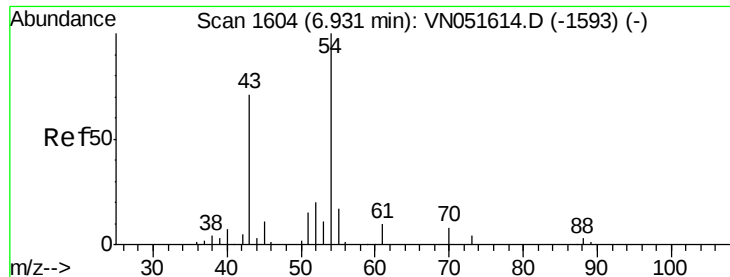
86 8.5 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN051610.D (-1129) (-)

Ion 86.00 (85.70 to 86.70): VN051610.D (-1129) (-)





#43

Ethyl Acetate

Concen: 103.878 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

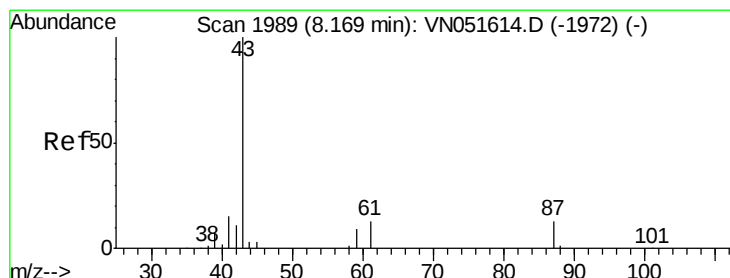
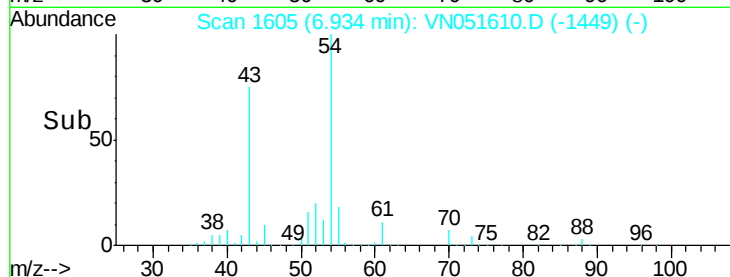
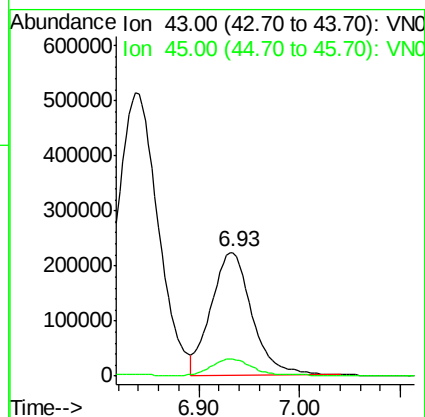
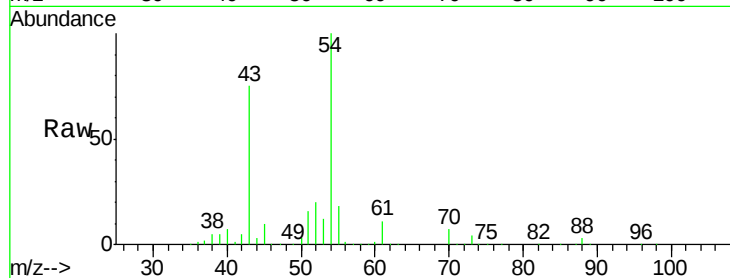
VSTDIC100

Tgt Ion: 43 Resp: 625594

Ion Ratio Lower Upper

43 100

45 13.3 10.6 16.0



#44

Isopropyl Acetate

Concen: 101.476 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051610.D

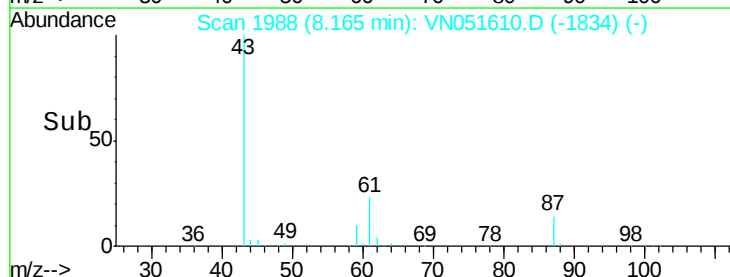
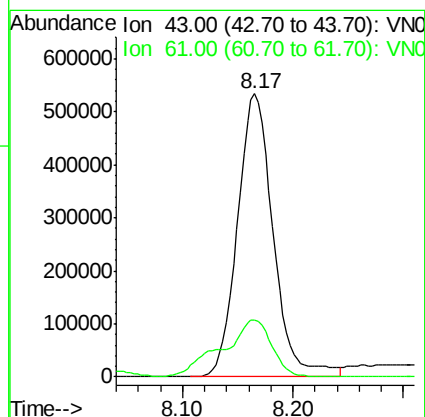
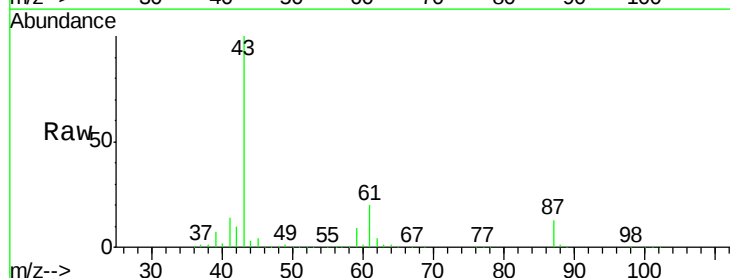
Acq: 28 Sep 2018 9:28

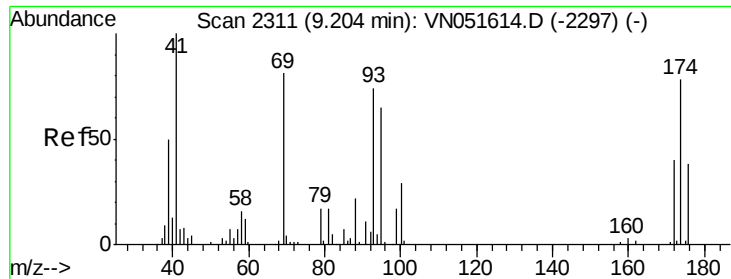
Tgt Ion: 43 Resp: 1196600

Ion Ratio Lower Upper

43 100

61 18.6 15.4 23.0





#45

1,4-Dioxane

Concen: 2129.620 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

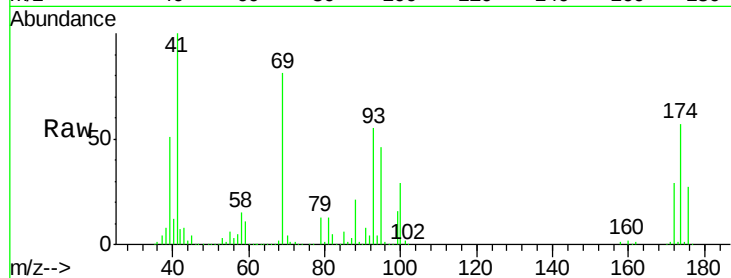
Tgt Ion: 88 Resp: 135664

Ion Ratio Lower Upper

88 100

43 35.3 29.0 43.6

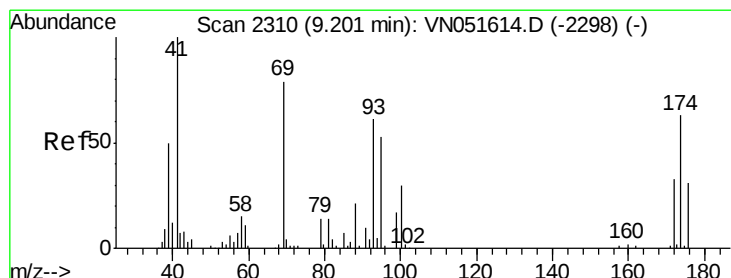
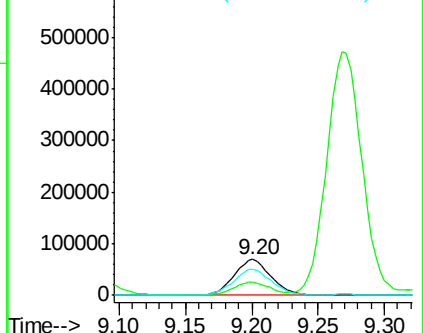
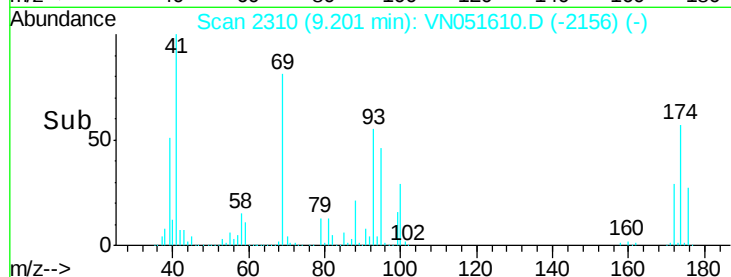
58 74.5 59.0 88.6



Abundance Ion 88.00 (87.70 to 88.70): VN051610.D (-2156) (-)

Ion 43.00 (42.70 to 43.70): VN051610.D (-2156) (-)

Ion 58.00 (57.70 to 58.70): VN051610.D (-2156) (-)



#46

Methyl methacrylate

Concen: 108.518 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

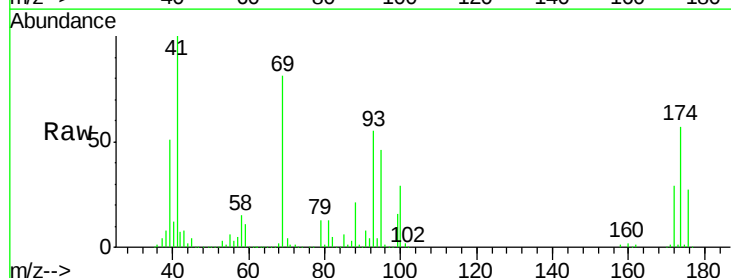
Tgt Ion: 41 Resp: 595274

Ion Ratio Lower Upper

41 100

69 82.0 39.6 118.7

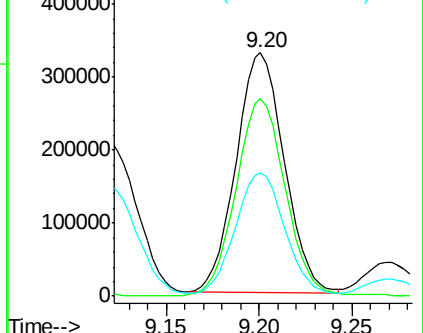
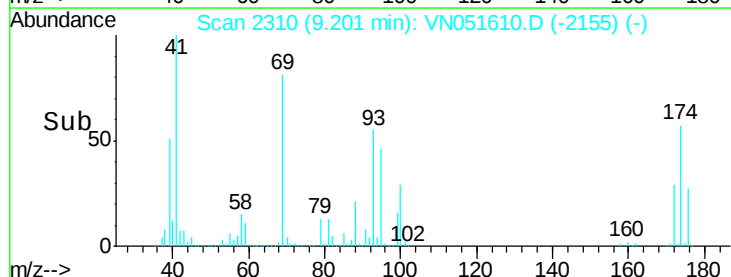
39 50.7 24.9 74.6

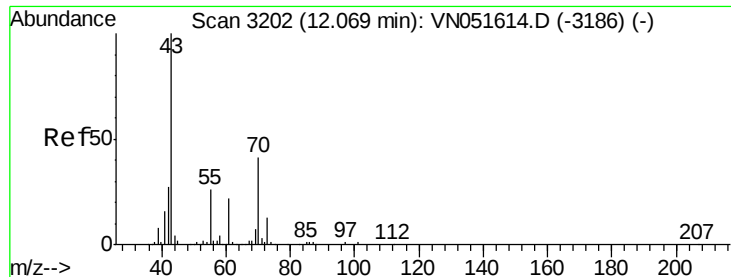


Abundance Ion 41.00 (40.70 to 41.70): VN051610.D (-2155) (-)

Ion 69.00 (68.70 to 69.70): VN051610.D (-2155) (-)

Ion 39.00 (38.70 to 39.70): VN051610.D (-2155) (-)

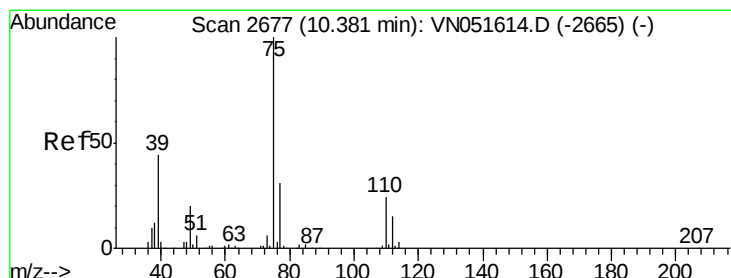
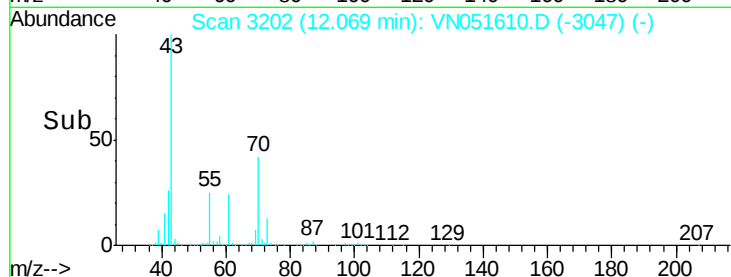
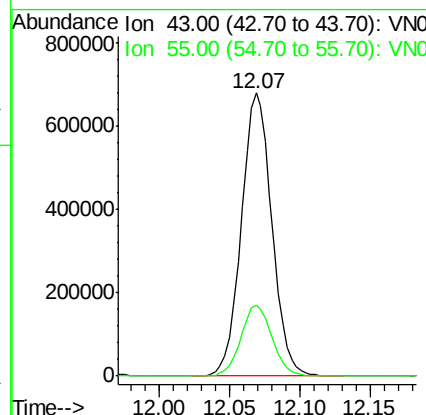
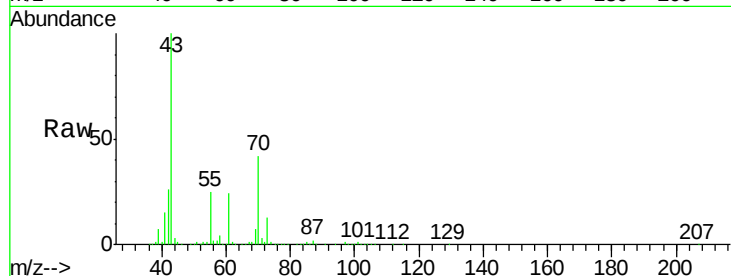




#47
n-amyl Acetate
Concen: 116.176 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

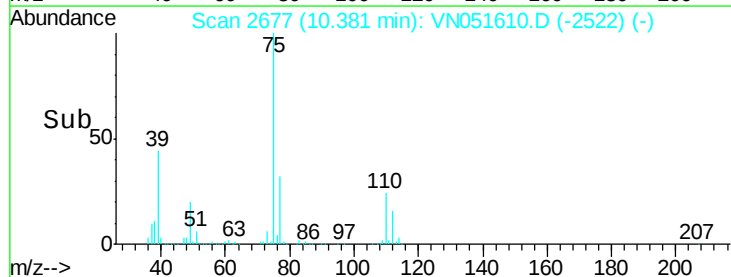
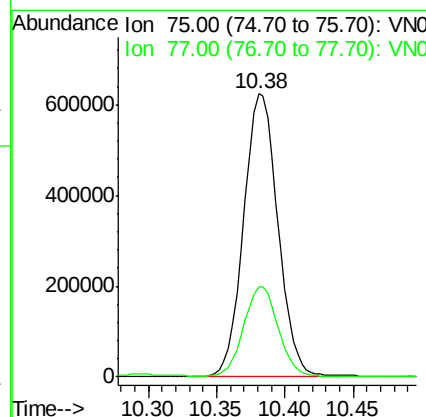
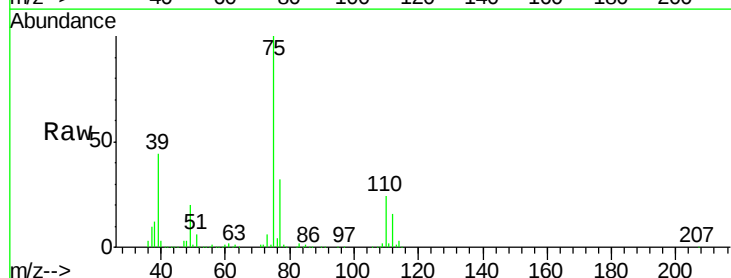
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

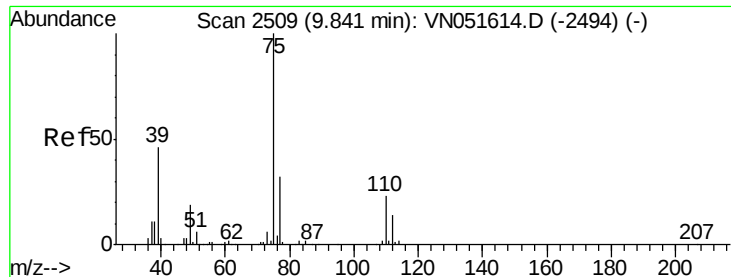
Tgt Ion: 43 Resp: 1025011
Ion Ratio Lower Upper
43 100
55 25.7 21.5 32.3



#48
t-1,3-Dichloropropene
Concen: 106.198 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 75 Resp: 1092257
Ion Ratio Lower Upper
75 100
77 31.5 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 104.915 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

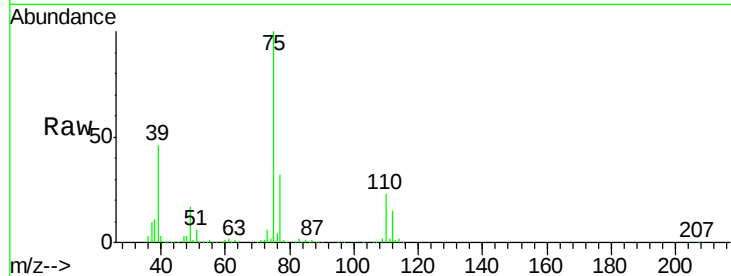
Tgt Ion: 75 Resp: 1261571

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

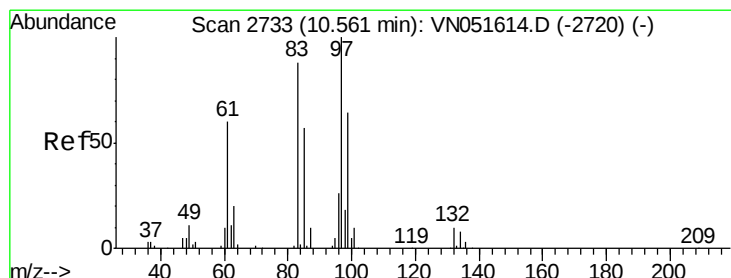
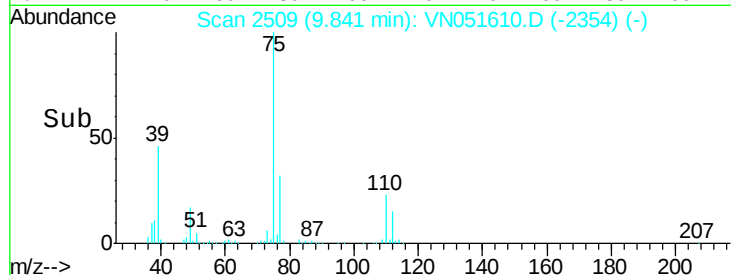
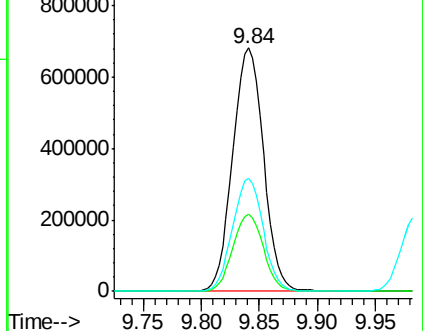
39 46.5 36.6 55.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 98.261 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Tgt Ion: 97 Resp: 655555

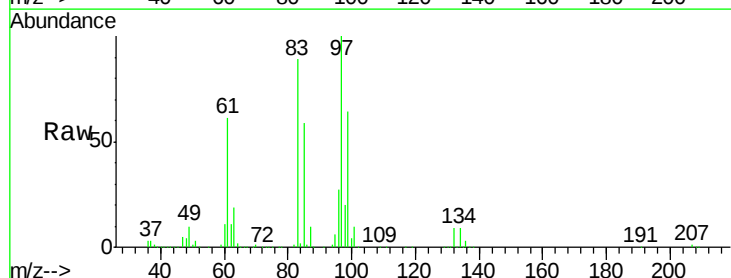
Ion Ratio Lower Upper

97 100

83 89.5 70.2 105.2

85 59.1 45.6 68.4

99 63.9 51.5 77.3

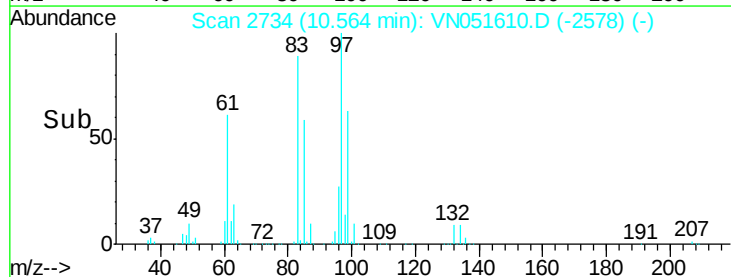
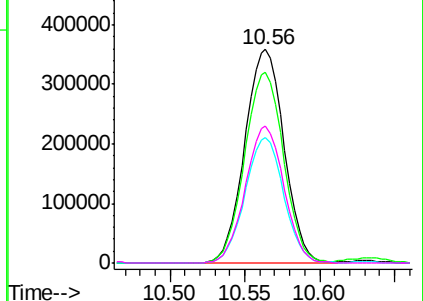


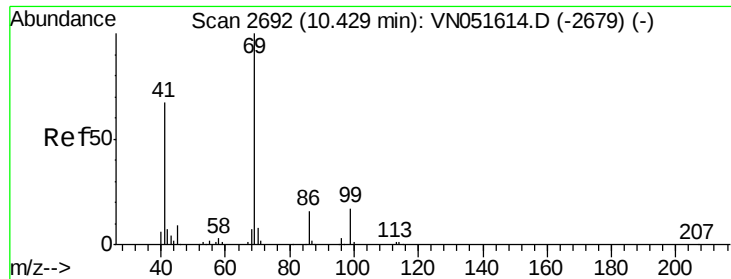
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 111.192 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

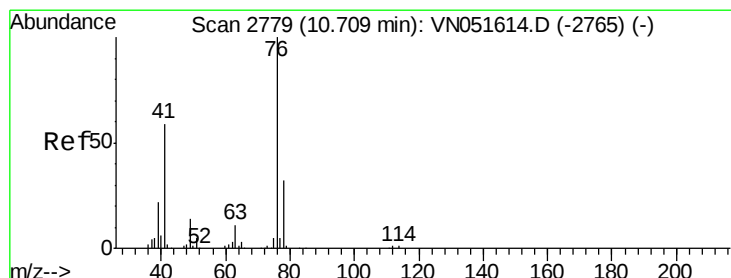
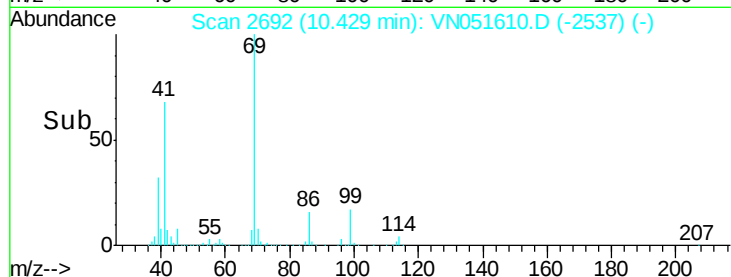
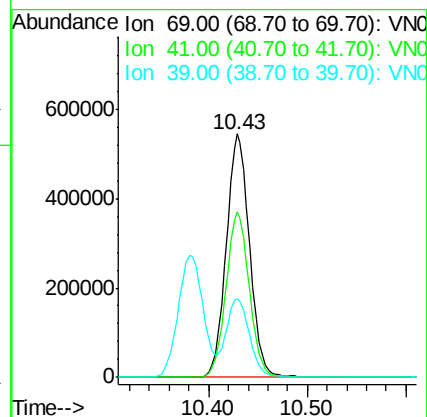
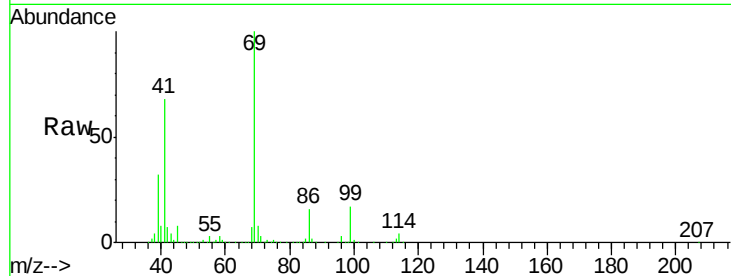
Tgt Ion: 69 Resp: 900053

Ion Ratio Lower Upper

69 100

41 67.8 33.3 99.8

39 32.3 17.2 51.6



#52

1,3-Dichloropropane

Concen: 101.191 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051610.D

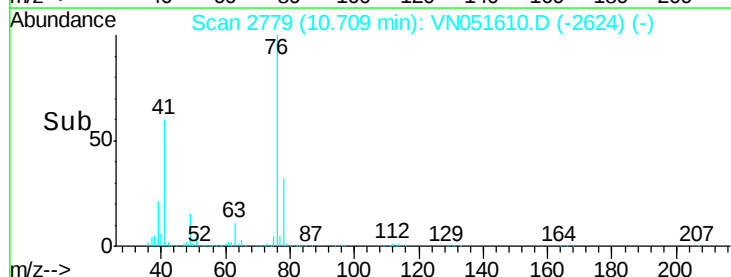
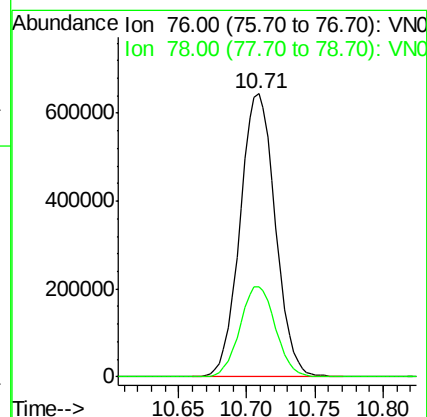
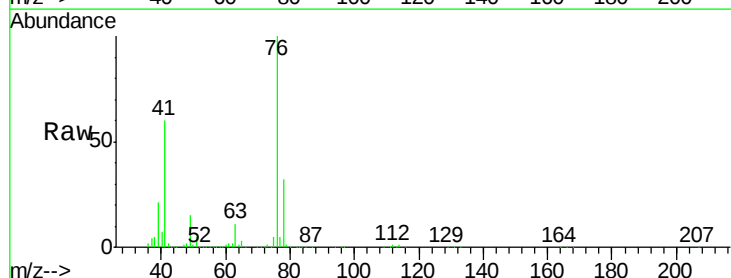
Acq: 28 Sep 2018 9:28

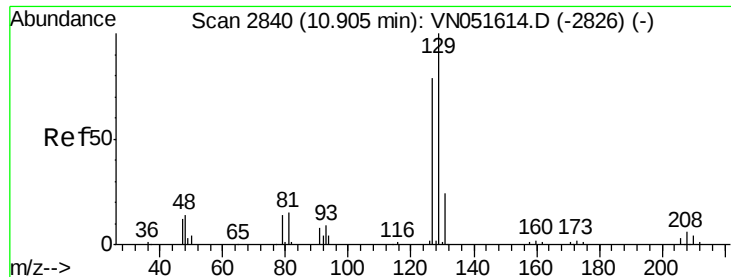
Tgt Ion: 76 Resp: 1157525

Ion Ratio Lower Upper

76 100

78 32.2 0.0 63.4





#53

Dibromochloromethane

Concen: 102.717 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

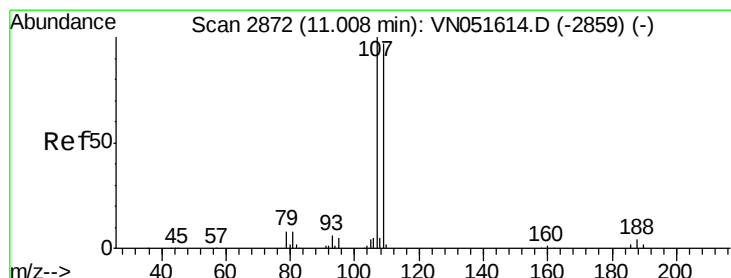
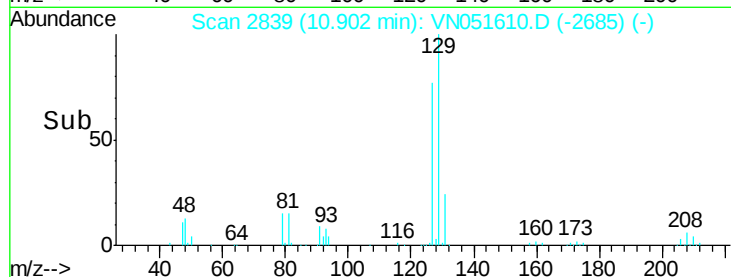
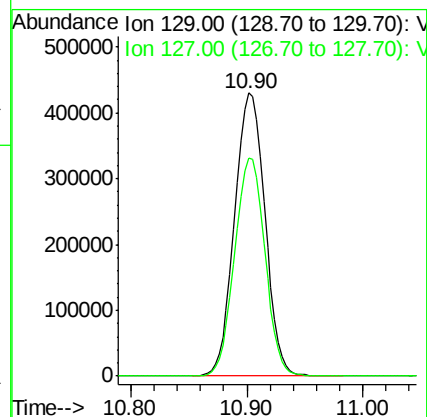
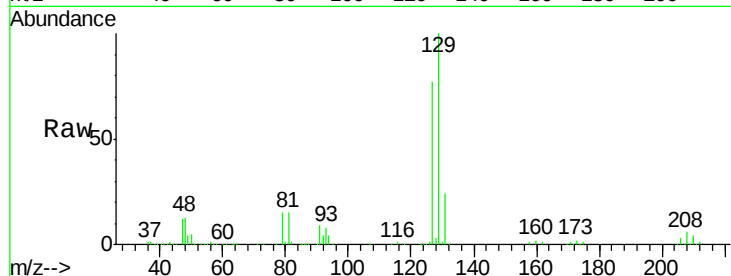
VSTDIC100

Tgt Ion:129 Resp: 780494

Ion Ratio Lower Upper

129 100

127 76.9 38.9 116.7



#54

1,2-Dibromoethane

Concen: 102.279 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051610.D

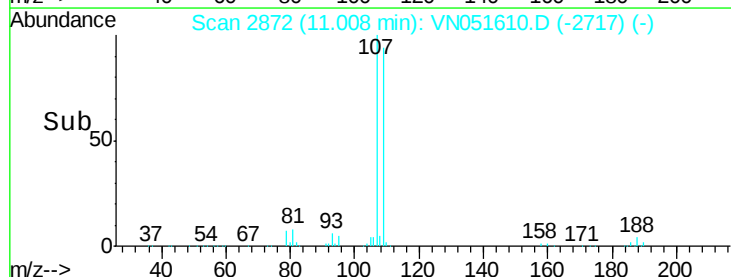
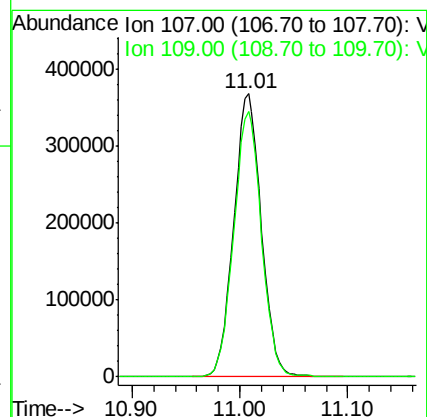
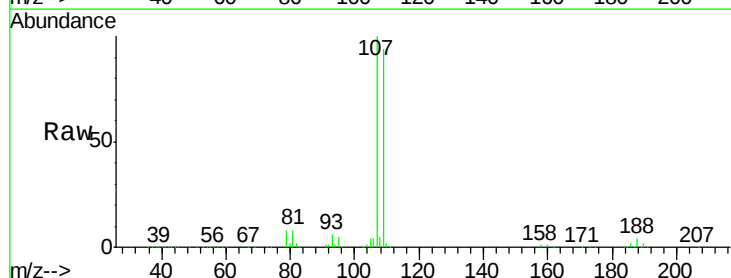
Acq: 28 Sep 2018 9:28

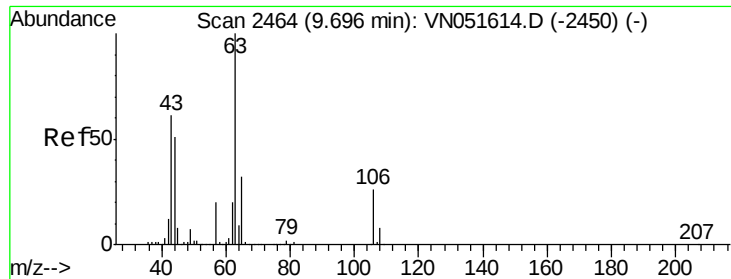
Tgt Ion:107 Resp: 654749

Ion Ratio Lower Upper

107 100

109 94.6 76.5 114.7

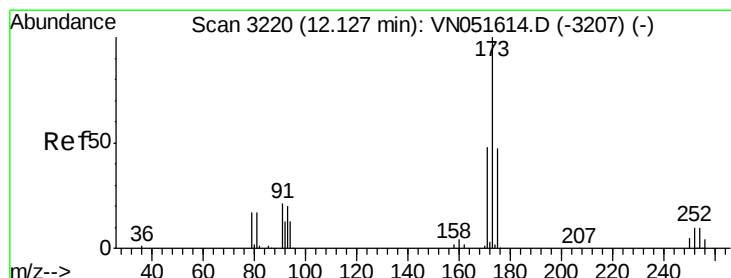
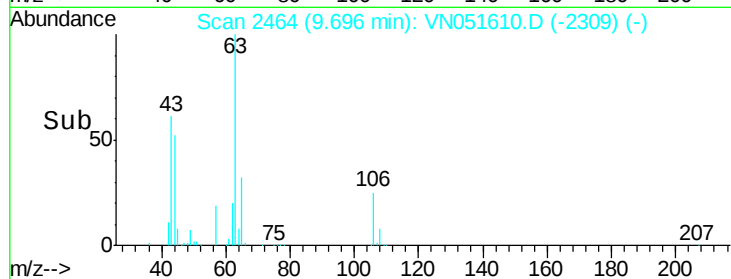
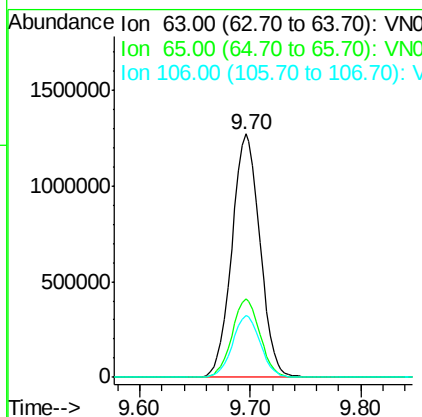
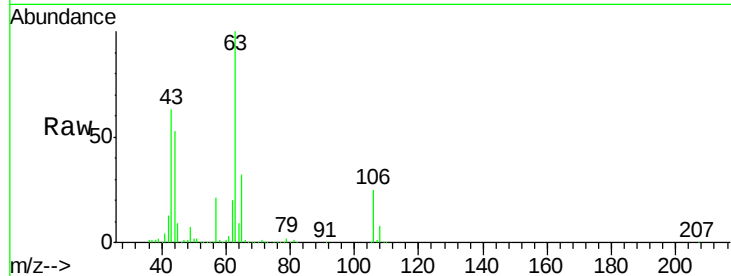




#55
 2-Chloroethyl vinyl ether
 Concen: 561.458 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

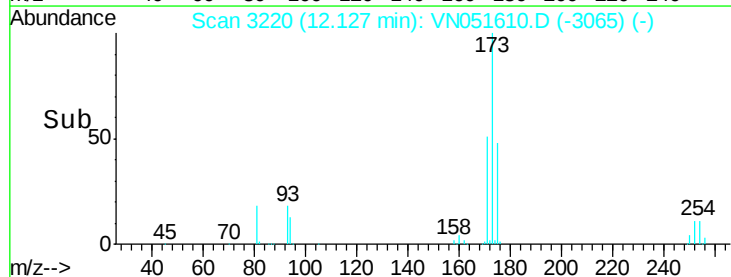
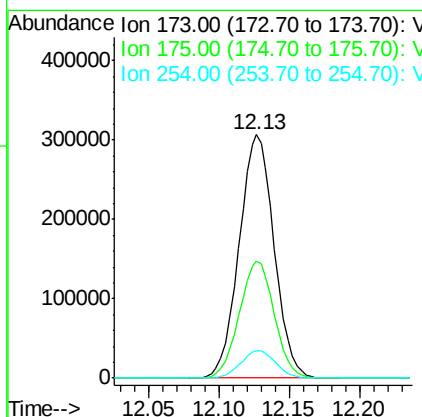
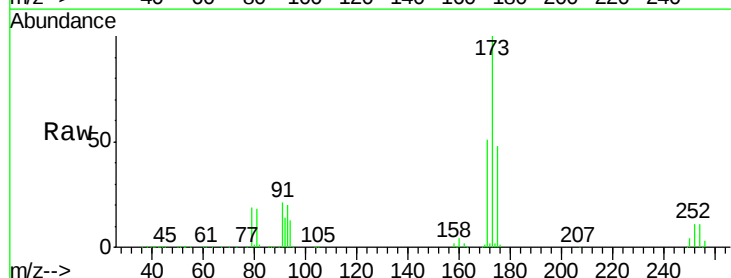
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

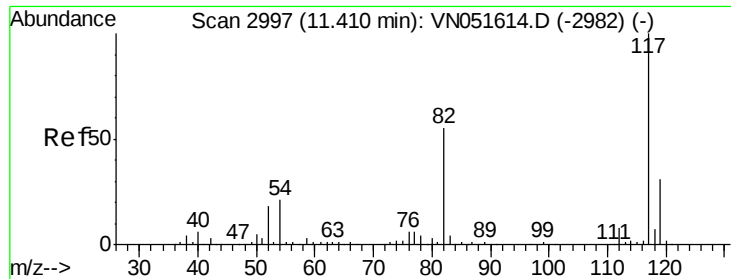
Tgt Ion: 63 Resp: 2246375
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.8 38.6
 106 25.2 20.4 30.6



#56
 Bromoform
 Concen: 105.432 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion: 173 Resp: 531581
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.0 58.4
 254 11.2 8.7 13.1

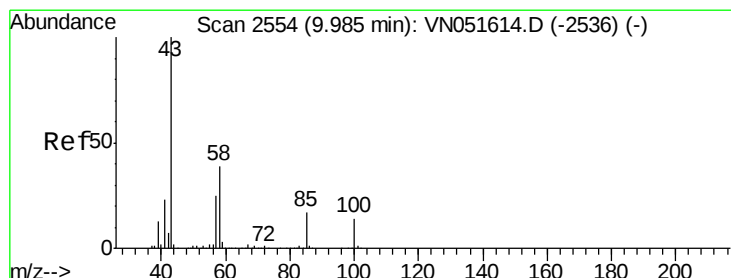
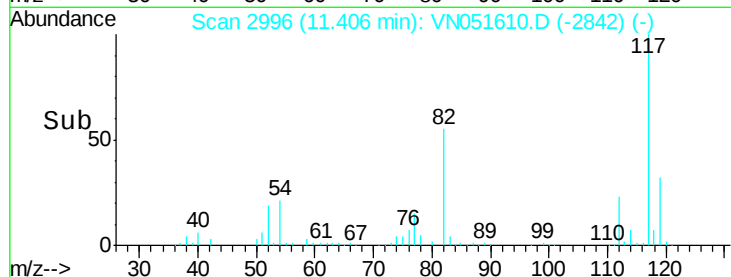
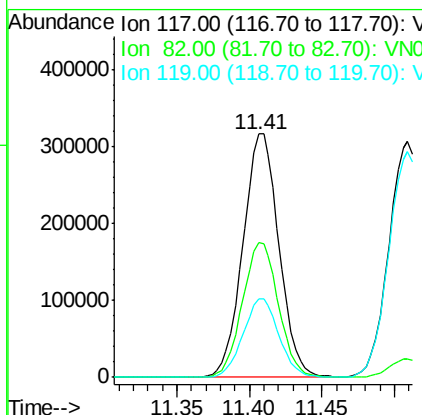
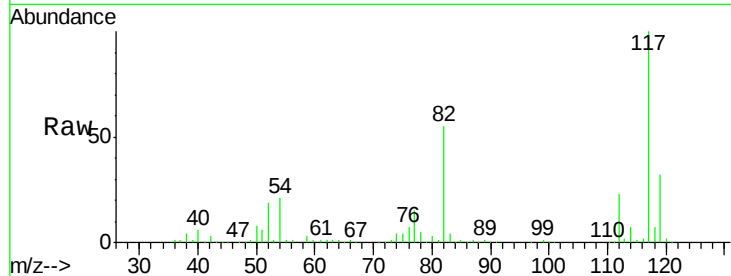




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

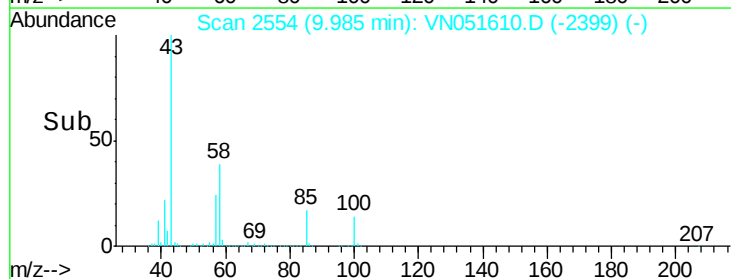
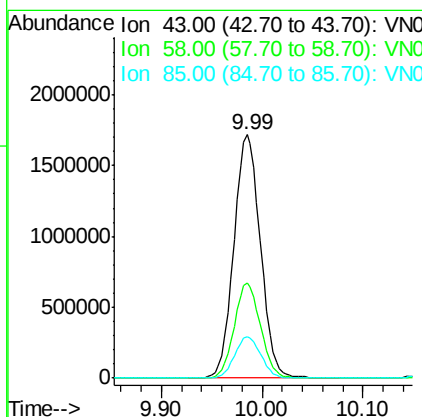
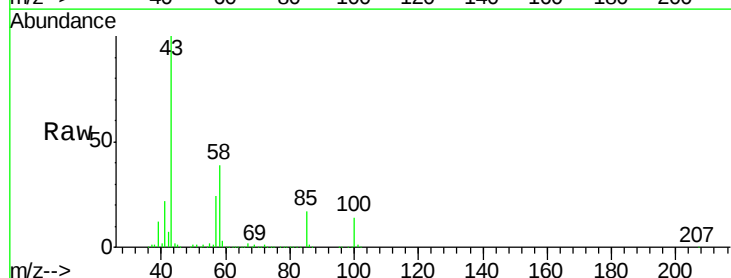
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

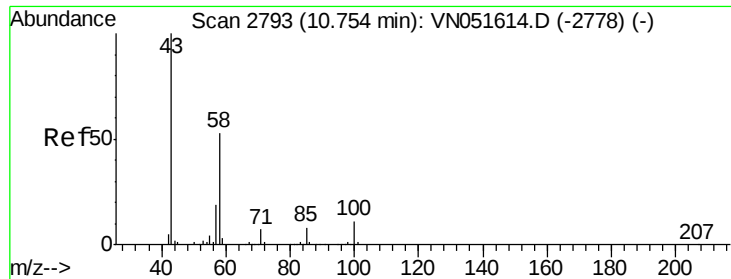
Tgt Ion: 117 Resp: 548990
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.2 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 502.602 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 43 Resp: 3132733
Ion Ratio Lower Upper
43 100
58 38.7 31.0 46.4
85 16.8 13.4 20.2

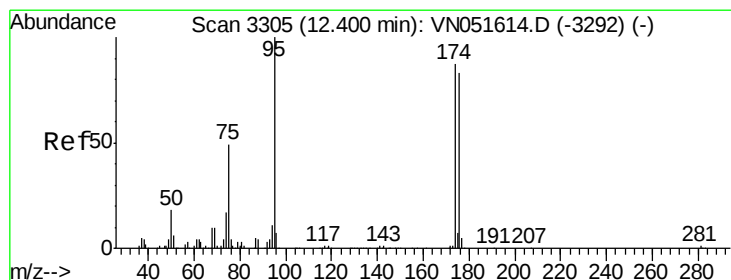
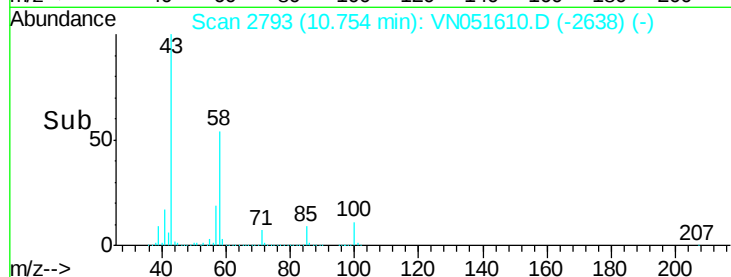
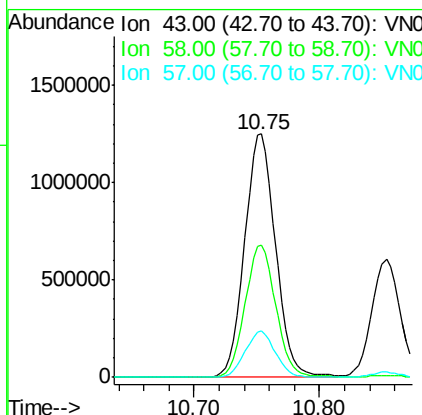
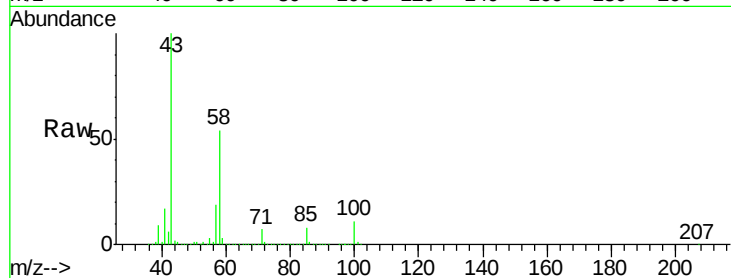




#59
2-Hexanone
Concen: 522.193 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

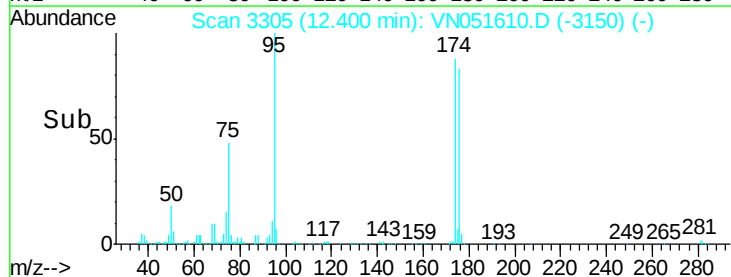
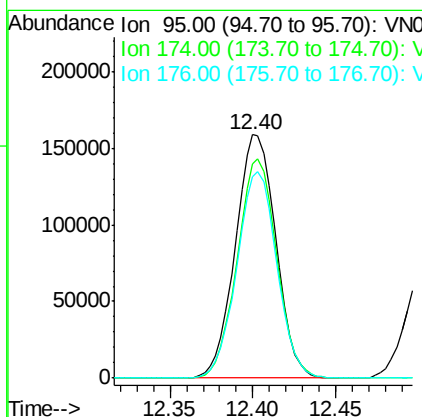
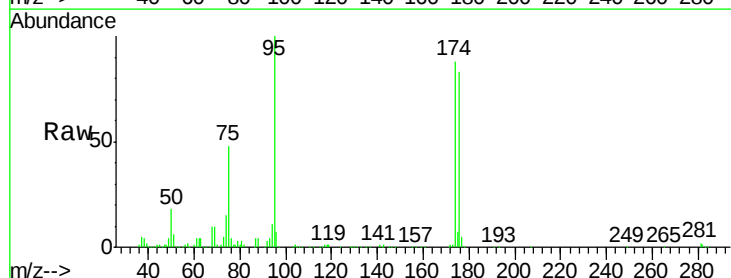
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

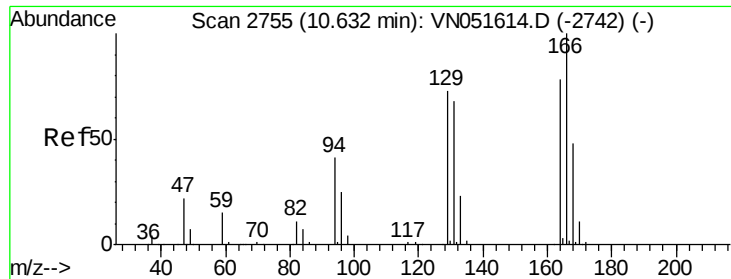
Tgt Ion: 43 Resp: 2141267
Ion Ratio Lower Upper
43 100
58 54.4 41.5 62.3
57 18.7 14.2 21.4



#60
4-Bromofluorobenzene
Concen: 522.193 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 95 Resp: 270374
Ion Ratio Lower Upper
95 100
174 87.9 71.2 106.8
176 83.6 67.8 101.8





#61

Tetrachloroethene

Concen: 96.671 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 751387

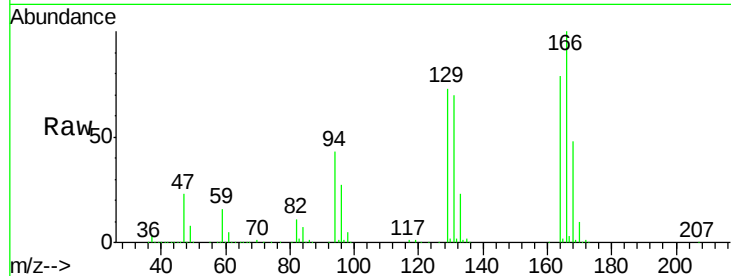
Ion Ratio Lower Upper

164 100

166 126.3 103.1 154.7

129 92.4 75.3 112.9

131 88.2 70.8 106.2

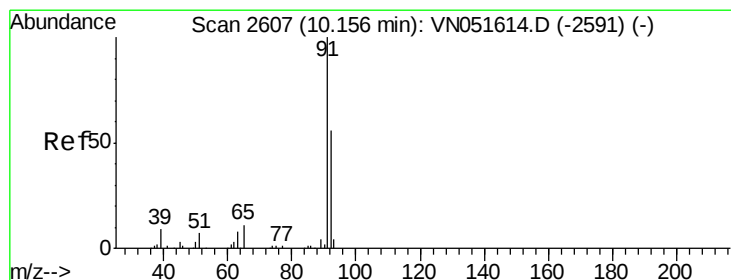
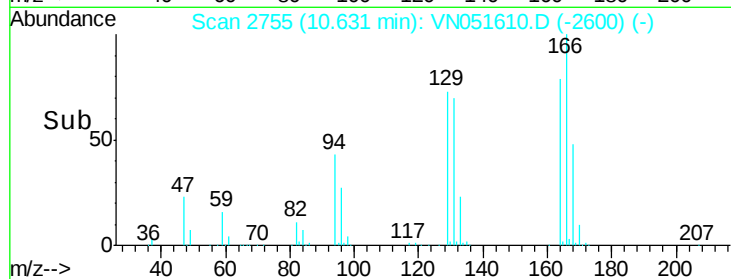
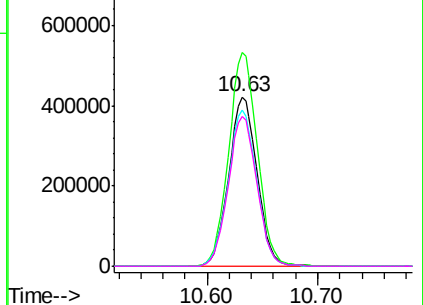


Abundance Ion 163.85 (163.55 to 164.55): V

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: 99.264 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051610.D

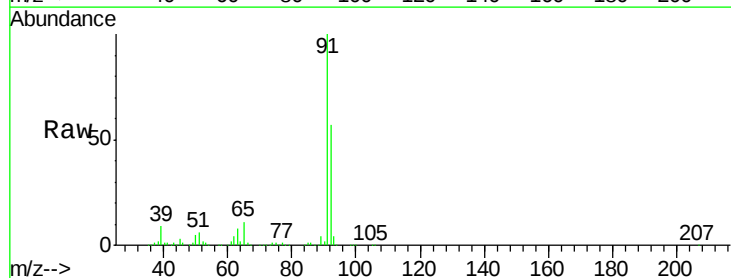
Acq: 28 Sep 2018 9:28

Tgt Ion: 91 Resp: 3341482

Ion Ratio Lower Upper

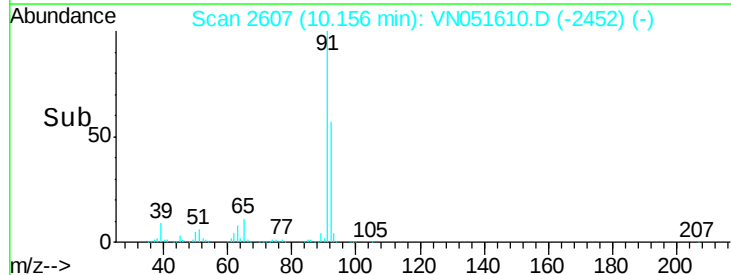
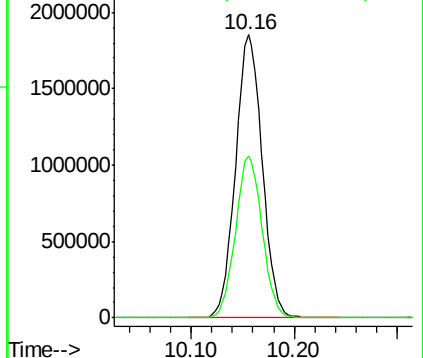
91 100

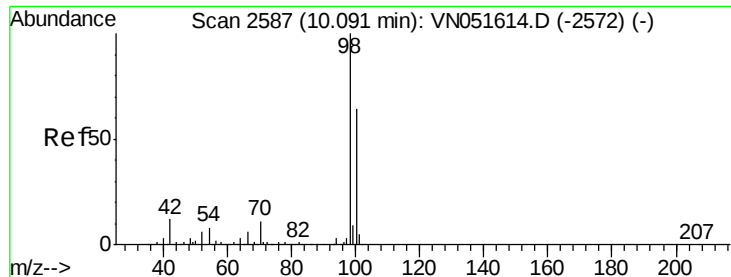
92 57.1 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 99.264 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

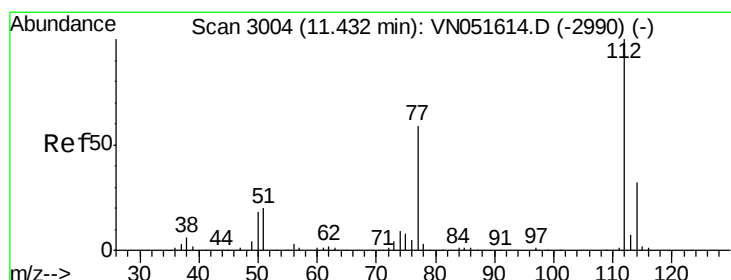
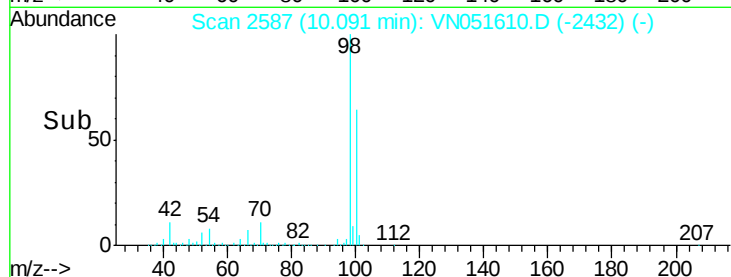
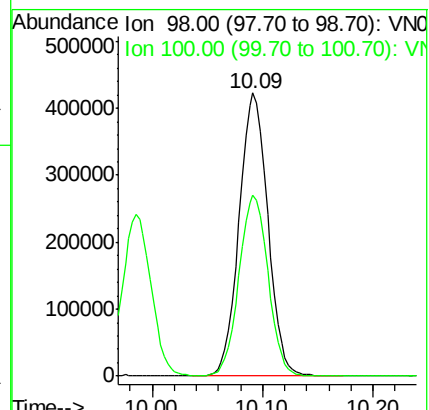
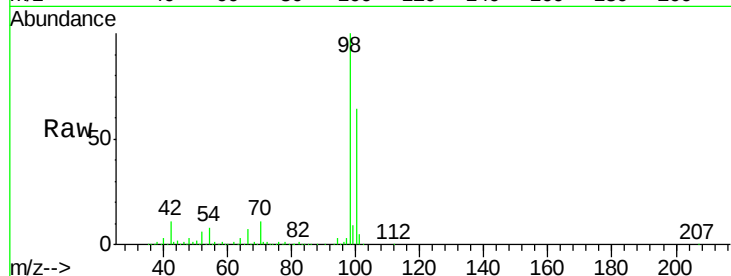
VSTDIC100

Tgt Ion: 98 Resp: 763979

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#64

Chlorobenzene

Concen: 101.026 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051610.D

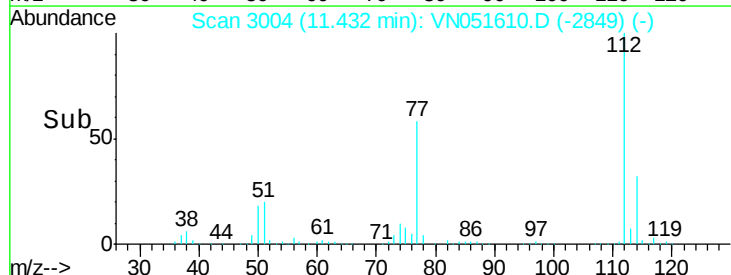
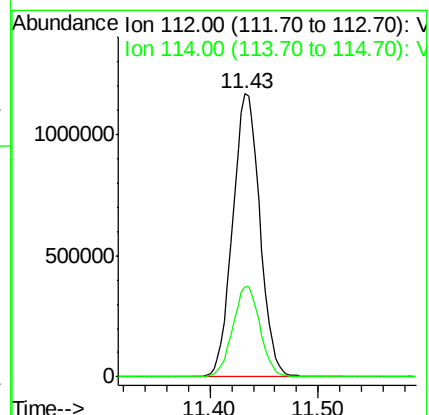
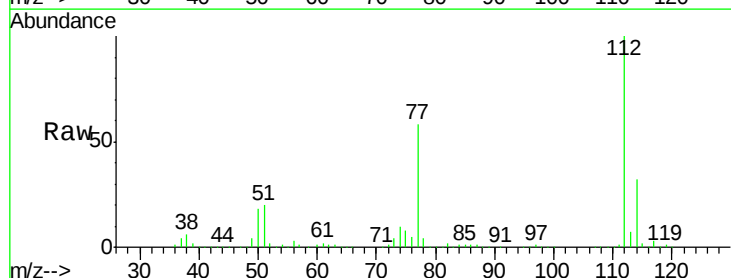
Acq: 28 Sep 2018 9:28

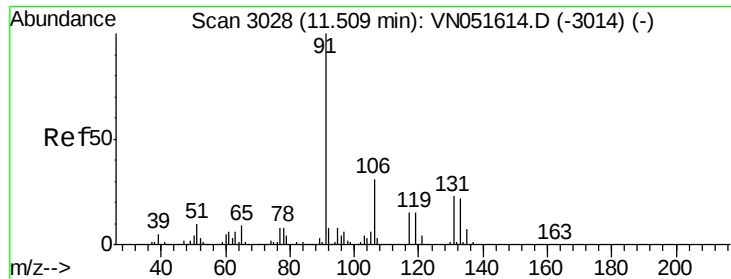
Tgt Ion: 112 Resp: 2056189

Ion Ratio Lower Upper

112 100

114 32.0 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 98.819 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

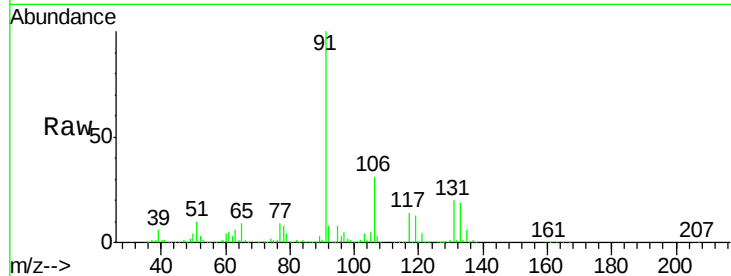
Tgt Ion: 131 Resp: 768003

Ion Ratio Lower Upper

131 100

133 96.1 0.0 193.0

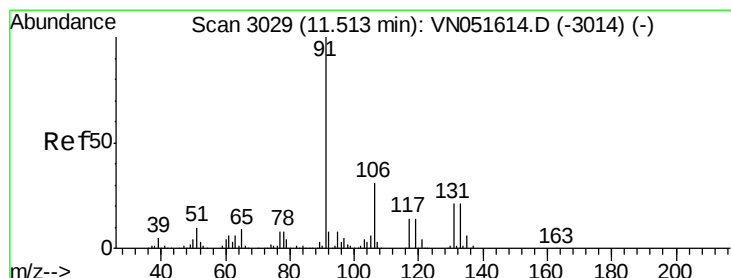
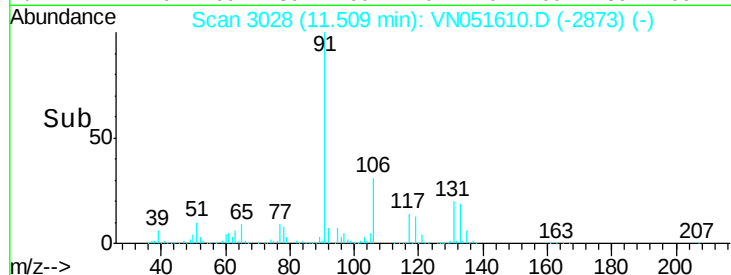
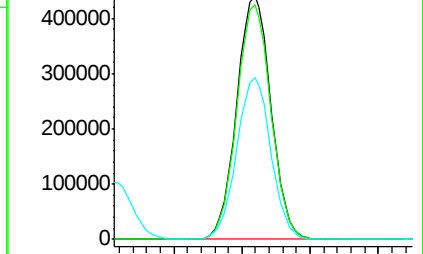
119 66.4 0.0 135.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 106.583 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051610.D

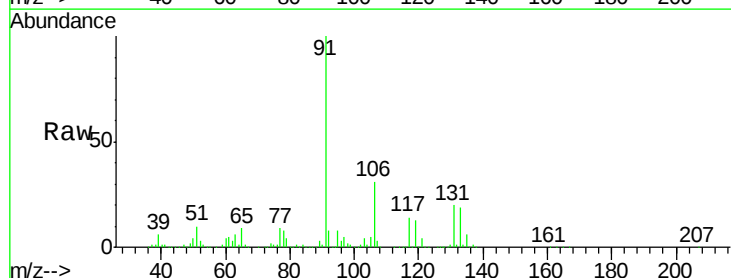
Acq: 28 Sep 2018 9:28

Tgt Ion: 91 Resp: 3671997

Ion Ratio Lower Upper

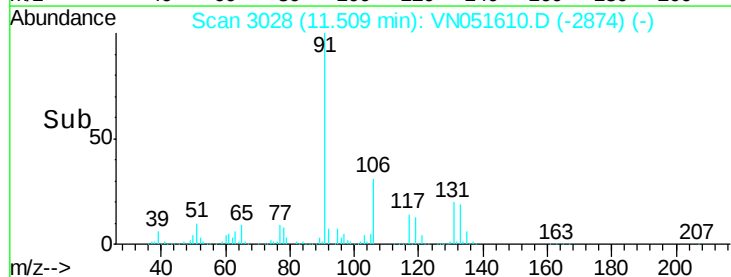
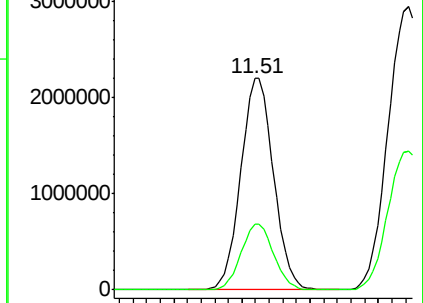
91 100

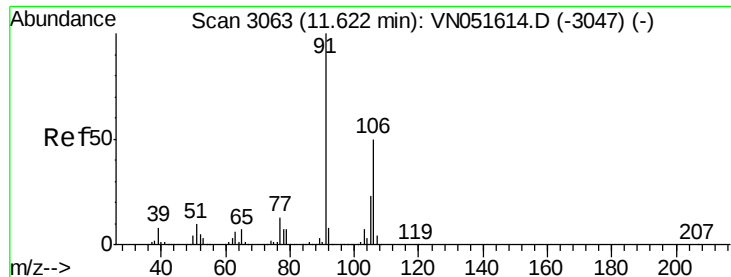
106 31.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

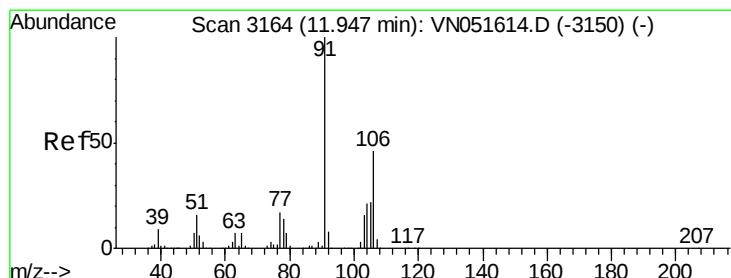
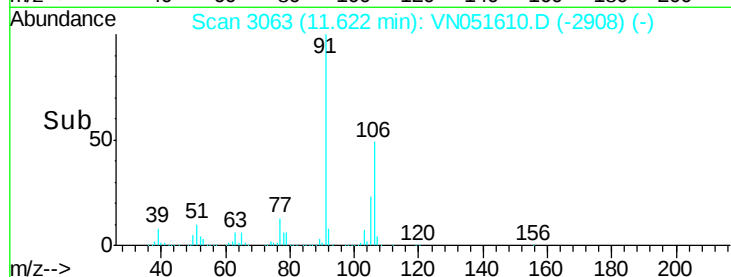
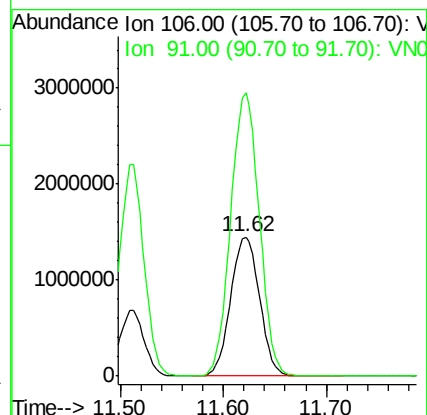
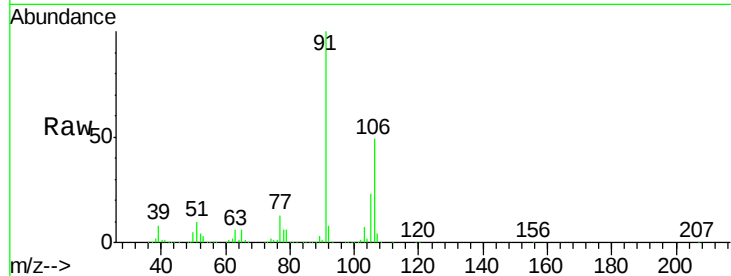




#67
m/p-Xylenes
Concen: 212.853 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

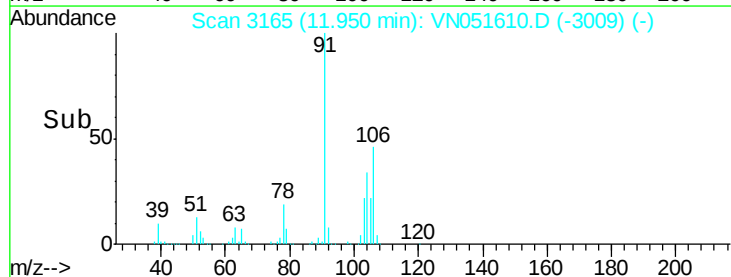
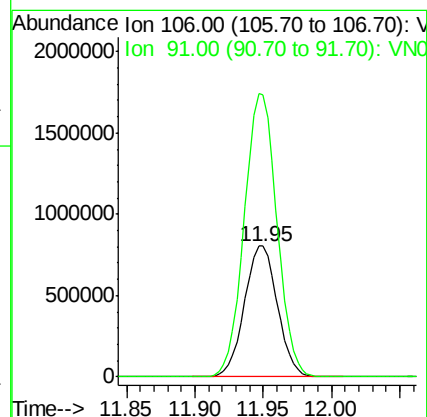
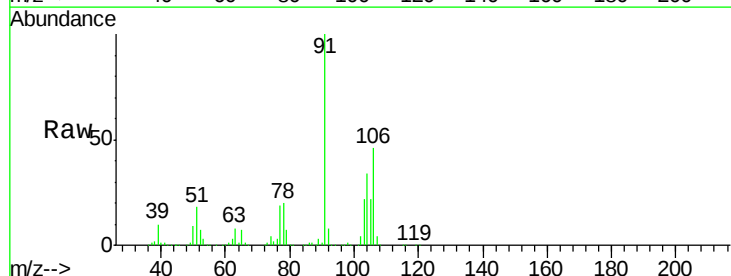
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

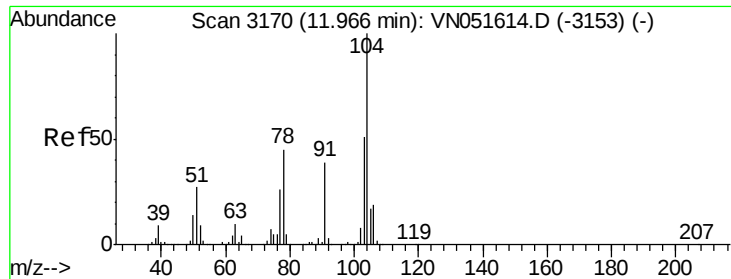
Tgt Ion:106 Resp: 2826256
Ion Ratio Lower Upper
106 100
91 202.0 161.5 242.3



#68
o-Xylene
Concen: 106.563 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion:106 Resp: 1350695
Ion Ratio Lower Upper
106 100
91 214.4 109.7 329.1

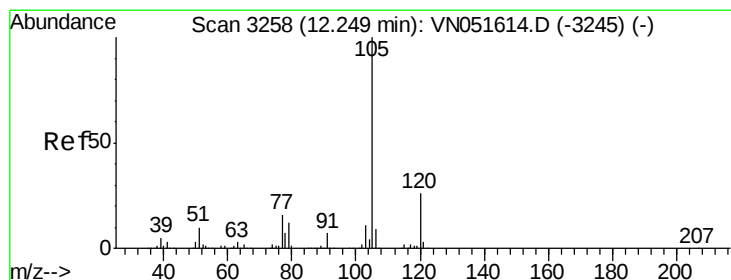
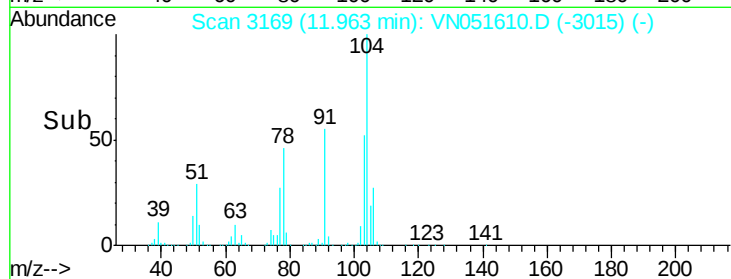
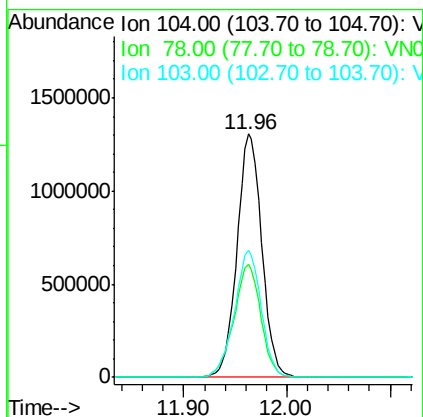
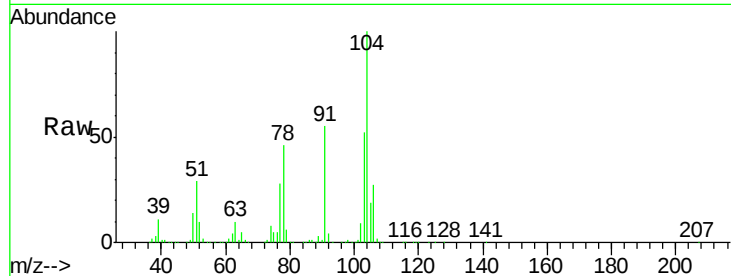




#69
Styrene
Concen: 109.933 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

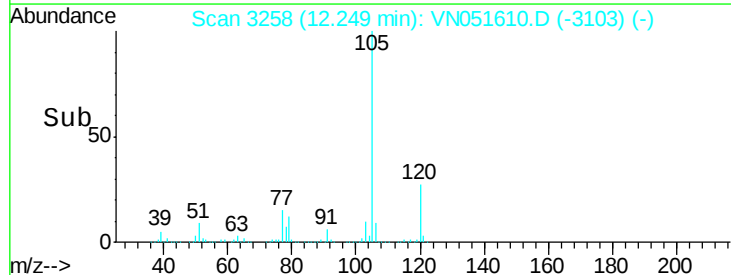
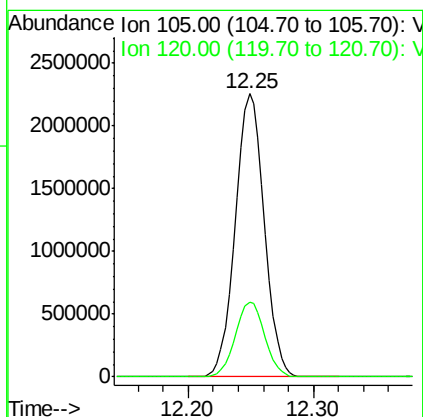
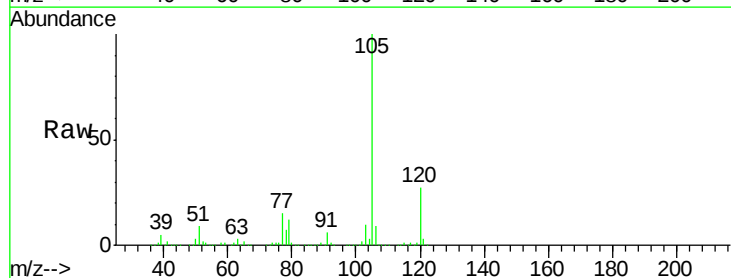
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

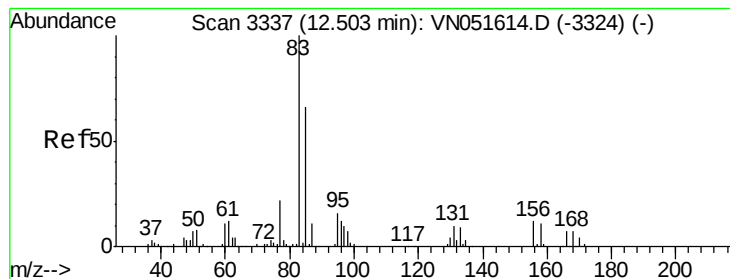
Tgt Ion:104 Resp: 2187076
Ion Ratio Lower Upper
104 100
78 50.5 40.3 60.5
103 56.1 45.7 68.5



#70
Isopropylbenzene
Concen: 106.820 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion:105 Resp: 3611621
Ion Ratio Lower Upper
105 100
120 26.8 18.7 34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 98.979 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

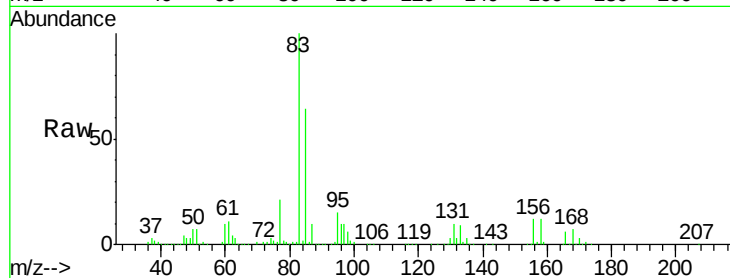
Tgt Ion: 83 Resp: 809651

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

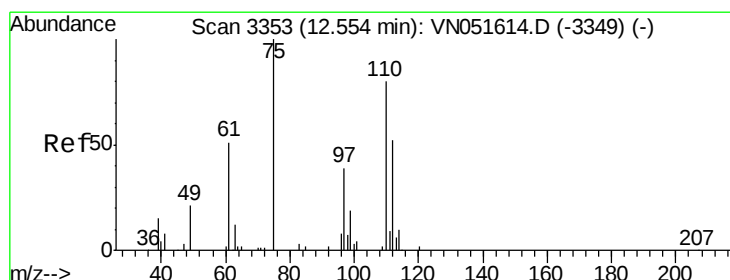
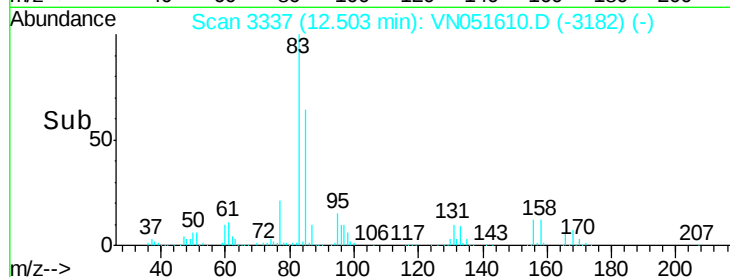
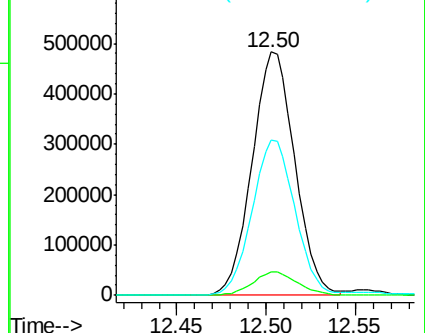
85 64.1 32.0 96.2



Abundance Ion 83.00 (82.70 to 83.70): VN051610.D (-3182) (-)

Ion 131.00 (130.70 to 131.70): VN051610.D (-3182) (-)

Ion 85.00 (84.70 to 85.70): VN051610.D (-3182) (-)



#72

1,2,3-Trichloropropane

Concen: 155.643 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051610.D

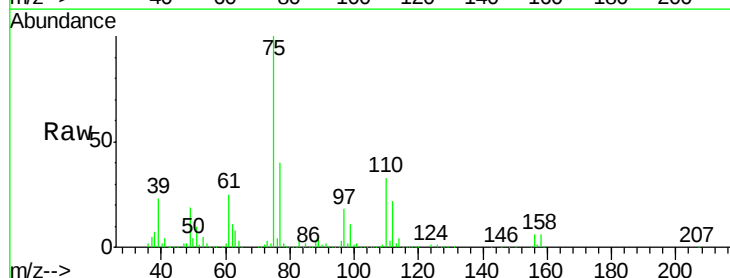
Acq: 28 Sep 2018 9:28

Tgt Ion: 75 Resp: 1048994

Ion Ratio Lower Upper

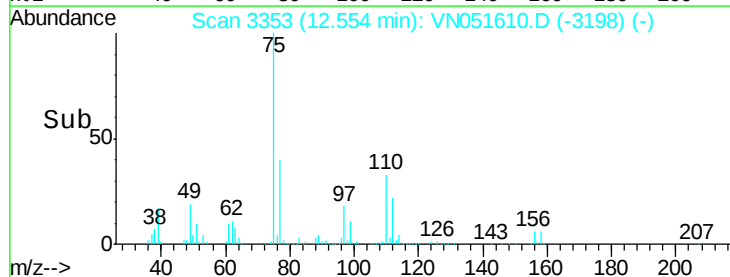
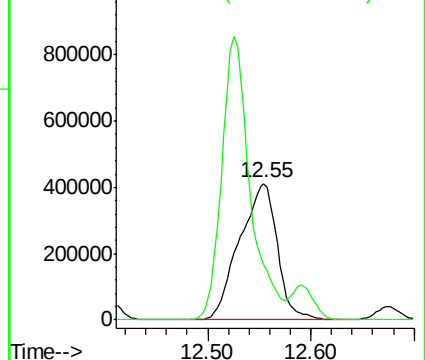
75 100

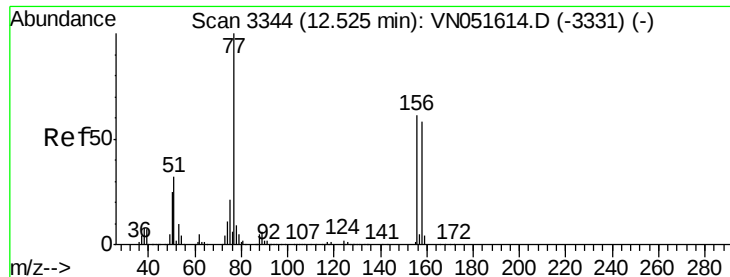
77 156.1 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN051610.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN051610.D (-3198) (-)





#73

Bromobenzene

Concen: 104.072 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

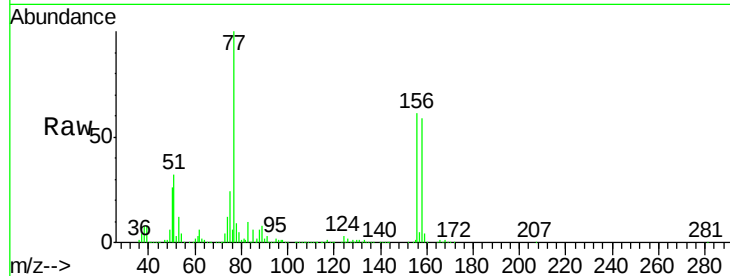
Tgt Ion:156 Resp: 875657

Ion Ratio Lower Upper

156 100

77 187.0 0.0 385.2

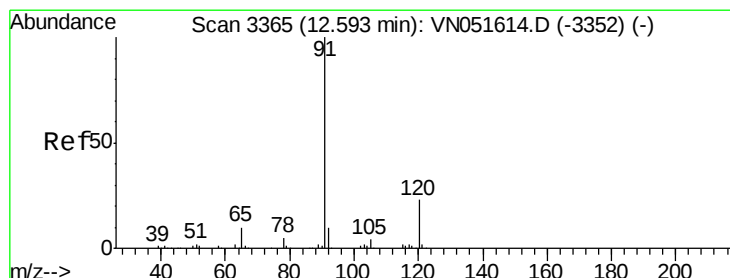
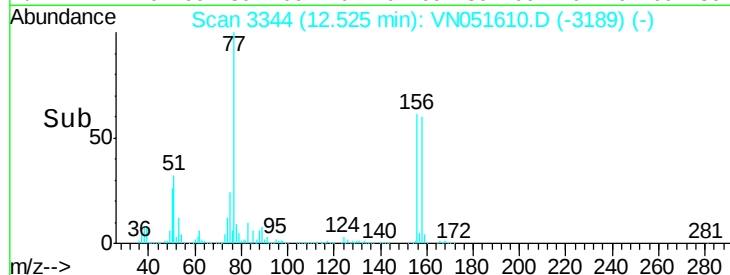
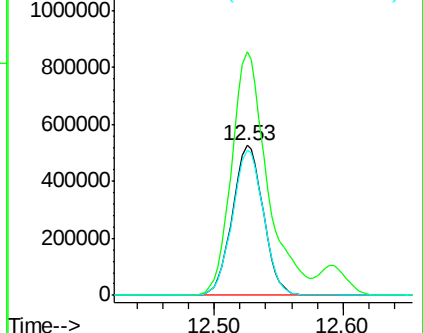
158 97.5 0.0 195.6



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: 107.958 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051610.D

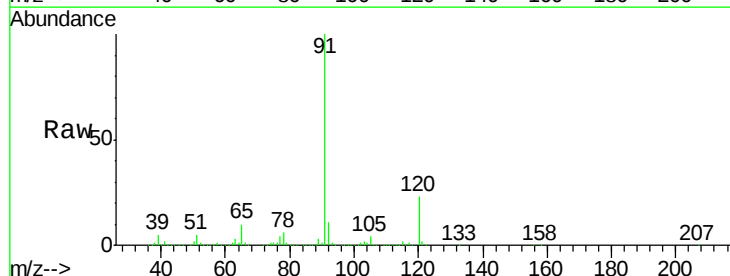
Acq: 28 Sep 2018 9:28

Tgt Ion: 91 Resp: 4249249

Ion Ratio Lower Upper

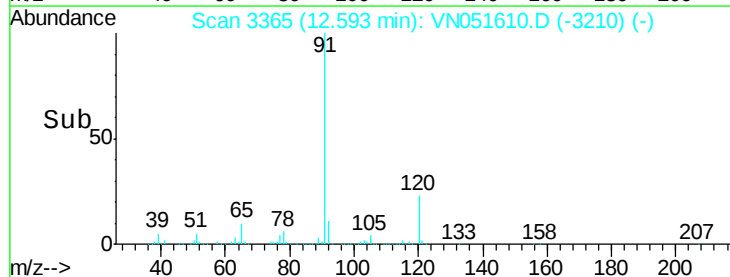
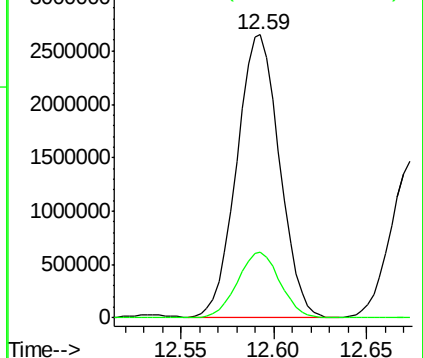
91 100

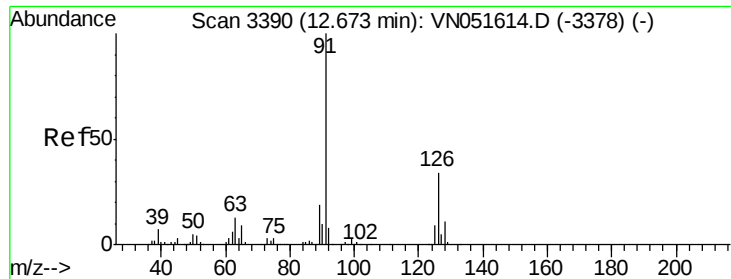
120 23.1 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 104.142 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampled :

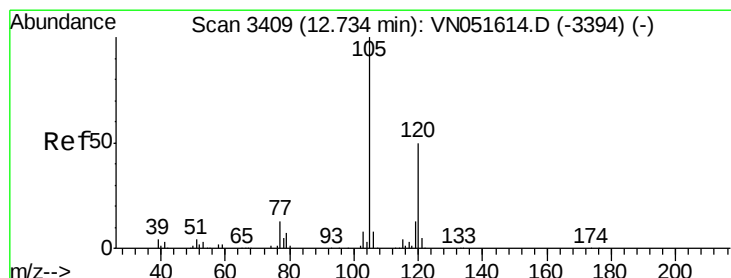
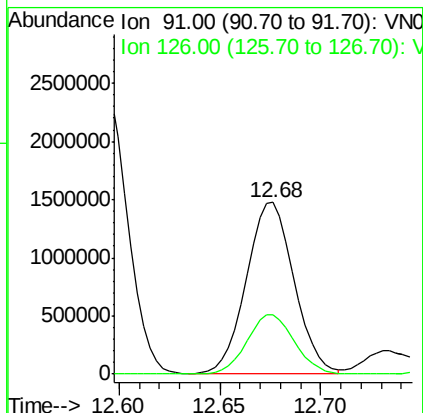
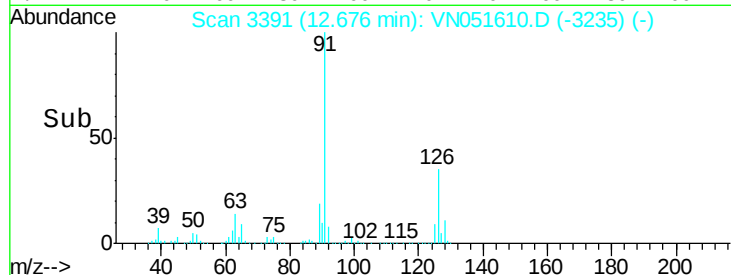
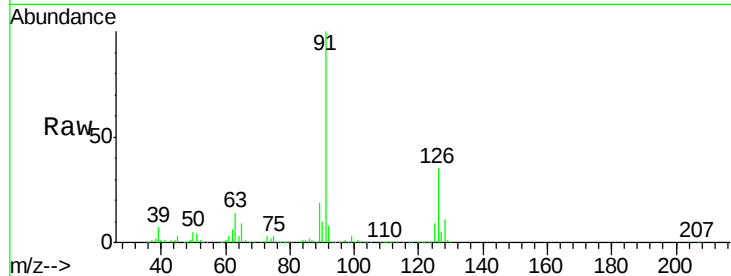
VSTDIC100

Tgt Ion: 91 Resp: 2447724

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.2



#76

1,3,5-Trimethylbenzene

Concen: 106.774 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051610.D

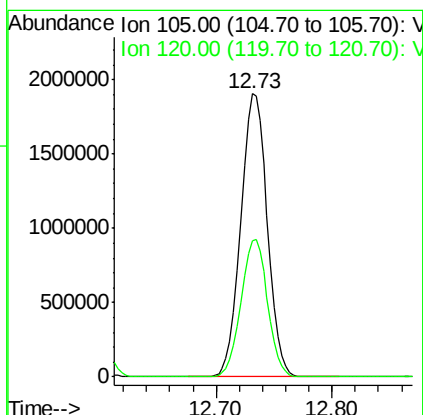
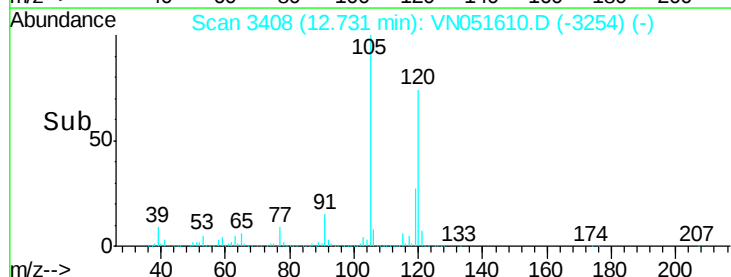
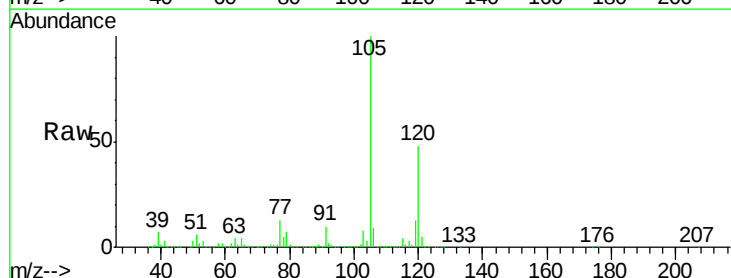
Acq: 28 Sep 2018 9:28

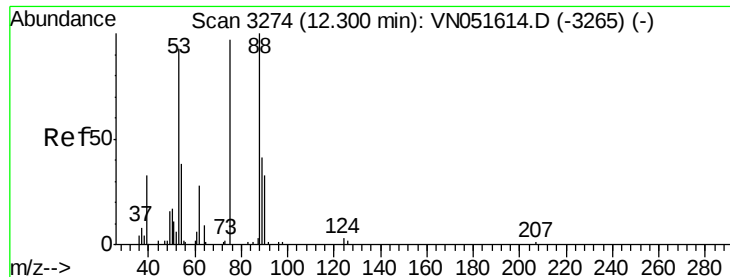
Tgt Ion: 105 Resp: 3016530

Ion Ratio Lower Upper

105 100

120 48.5 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 114.301 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

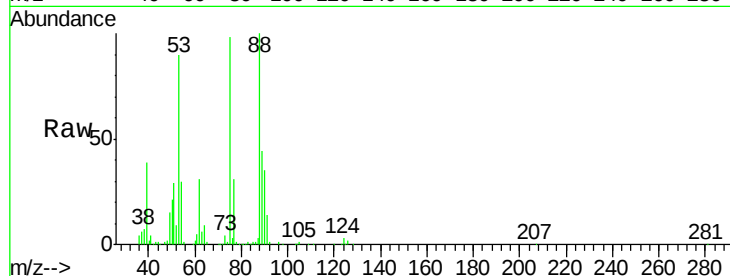
Tgt Ion: 75 Resp: 253175

Ion Ratio Lower Upper

75 100

53 91.7 48.1 144.4

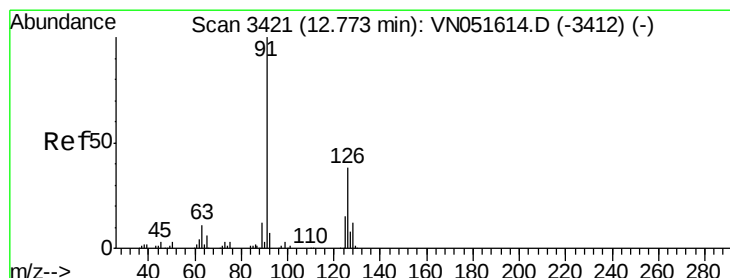
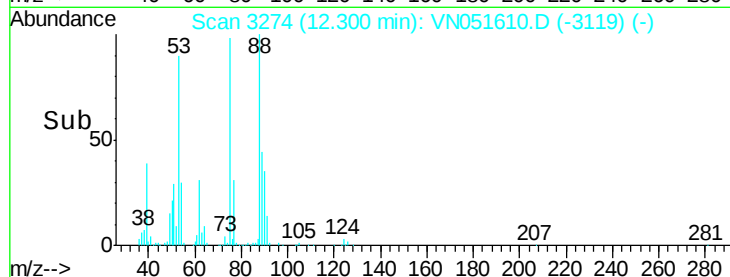
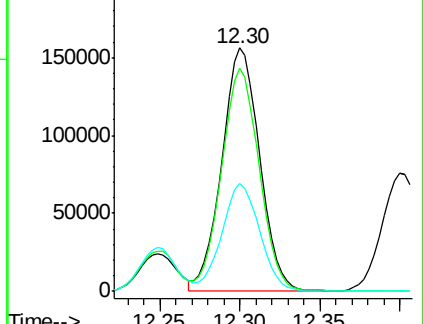
89 44.2 22.4 67.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 107.870 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051610.D

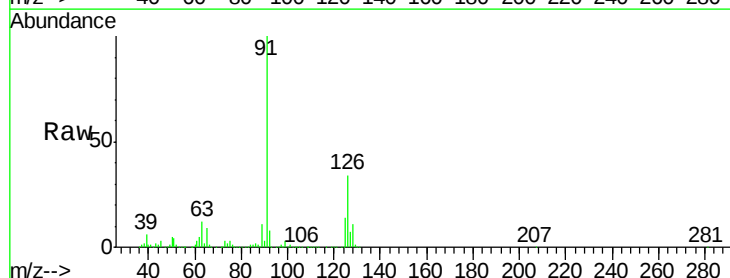
Acq: 28 Sep 2018 9:28

Tgt Ion: 91 Resp: 2504397

Ion Ratio Lower Upper

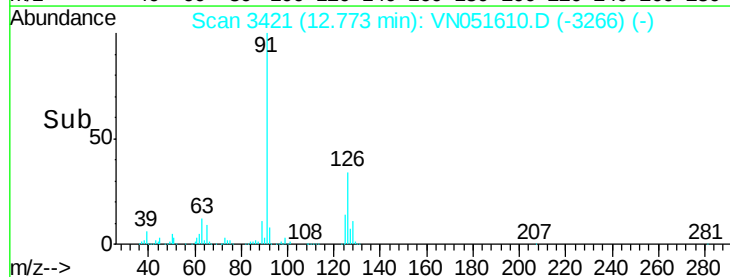
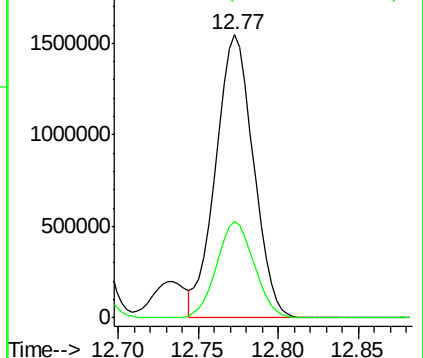
91 100

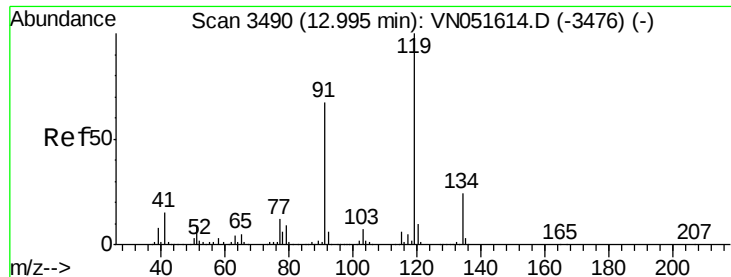
126 33.9 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

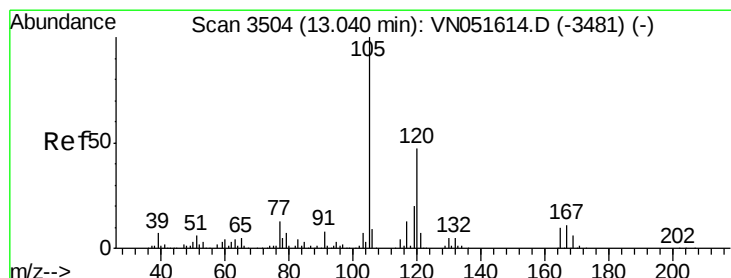
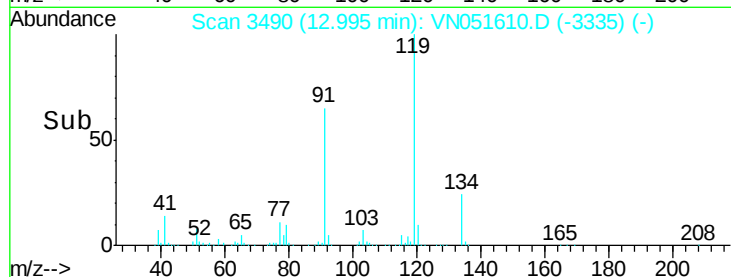
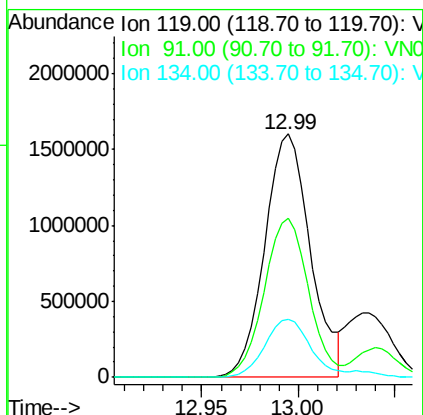
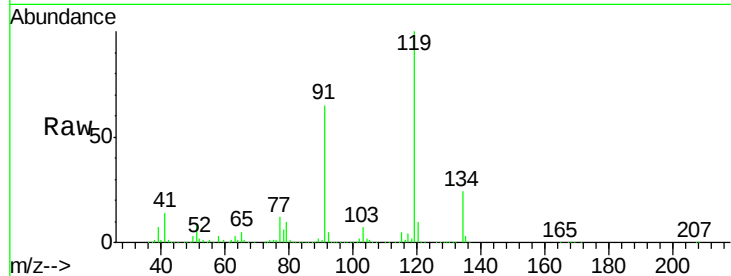




#79
tert-butylbenzene
Concen: 107.431 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

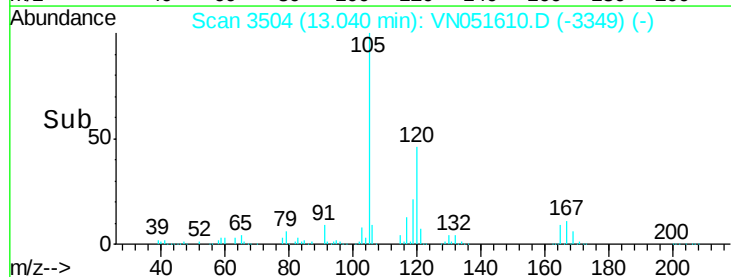
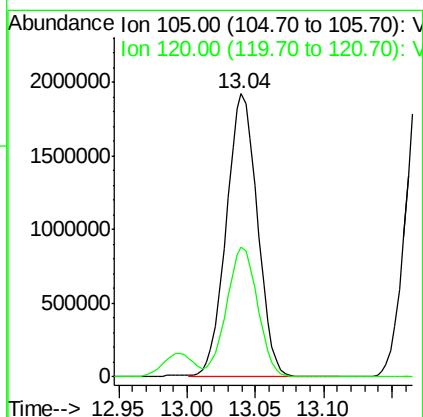
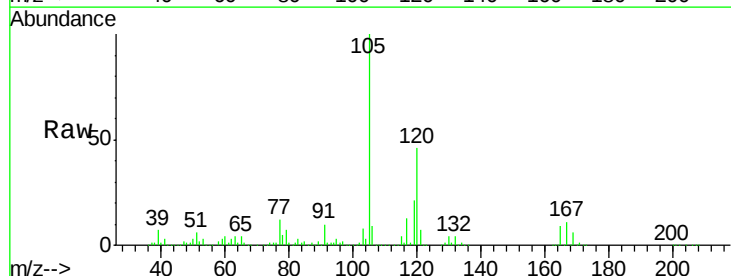
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

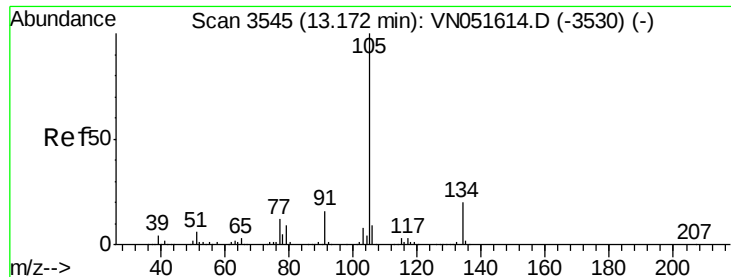
Tgt Ion:119 Resp: 2629493
Ion Ratio Lower Upper
119 100
91 63.9 0.0 132.4
134 23.9 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 107.982 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion:105 Resp: 3047058
Ion Ratio Lower Upper
105 100
120 45.9 0.0 91.6

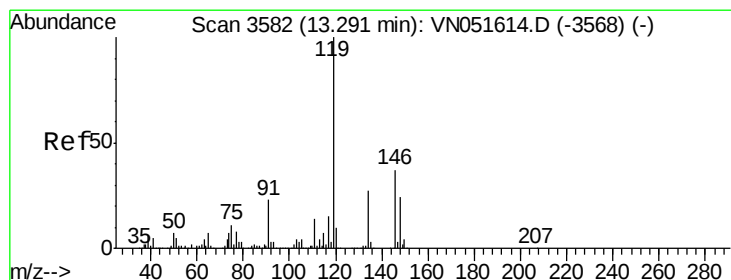
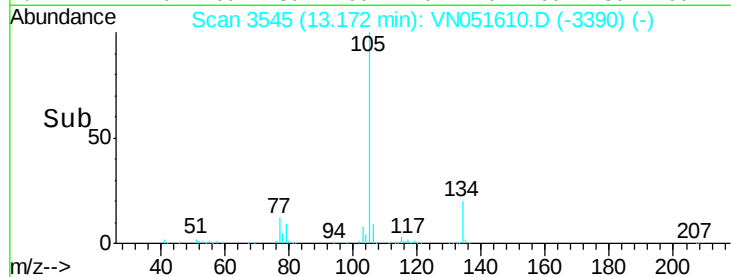
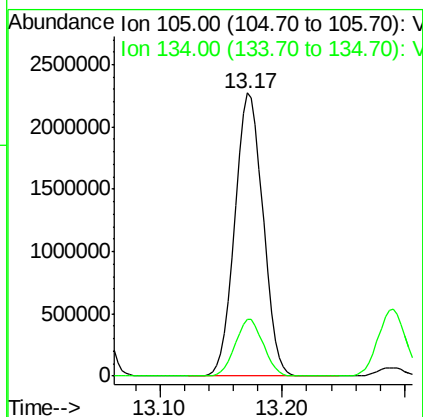
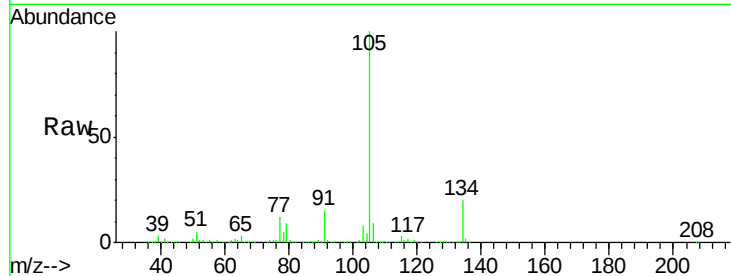




#81
 sec-Butylbenzene
 Concen: 107.231 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

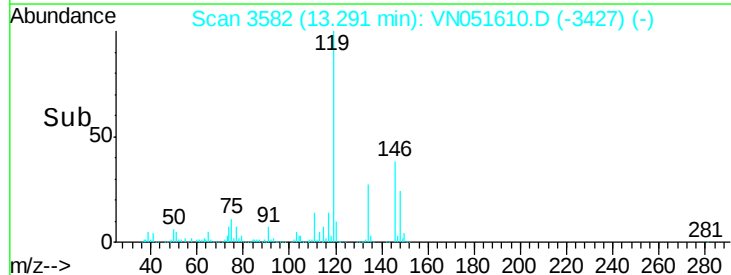
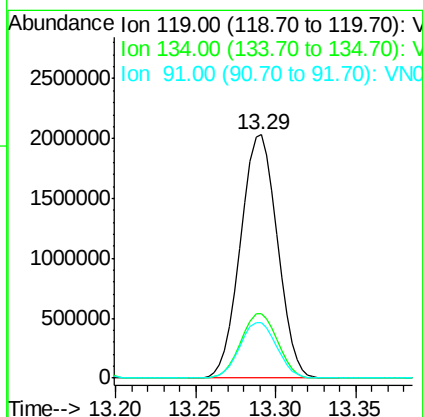
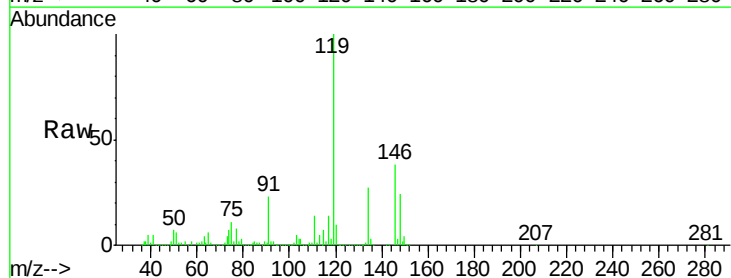
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

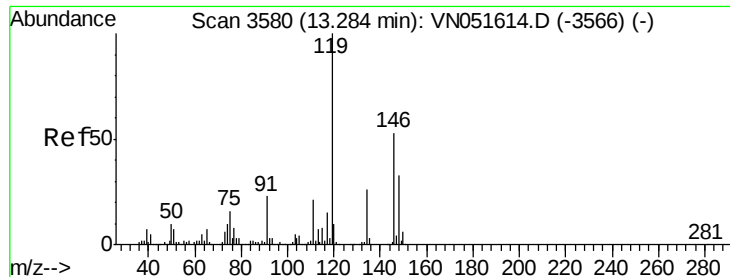
Tgt Ion:105 Resp: 3625513
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 110.393 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion:119 Resp: 3190034
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.0
 91 22.9 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 107.668 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

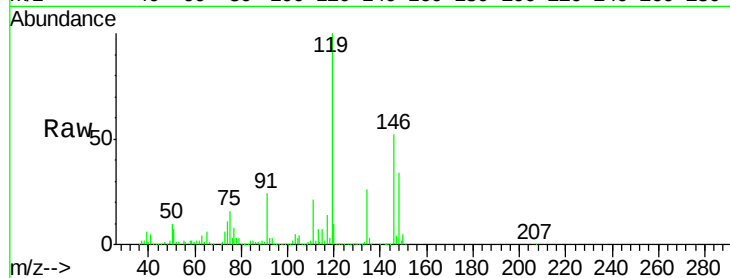
Tgt Ion:146 Resp: 1578564

Ion Ratio Lower Upper

146 100

111 39.4 19.9 59.6

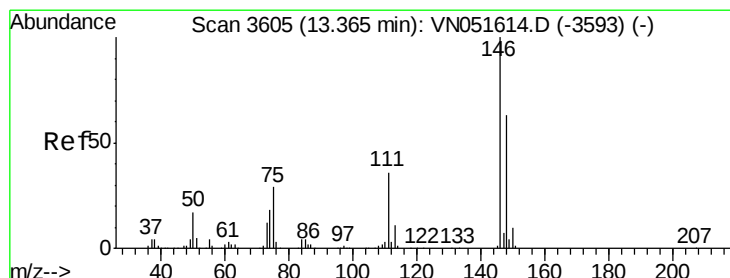
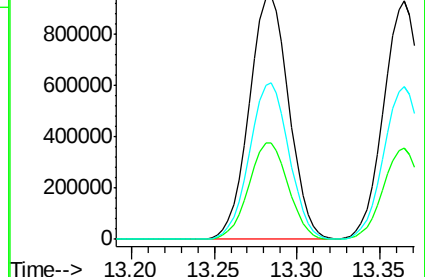
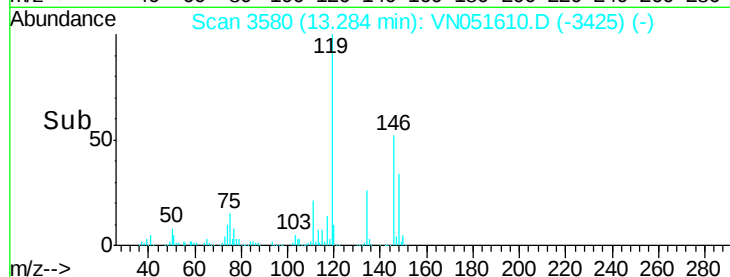
148 63.8 32.4 97.2



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: 110.197 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

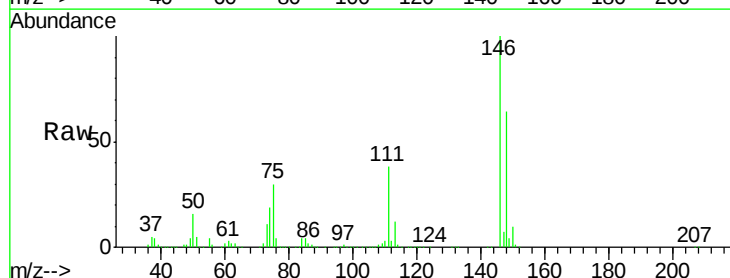
Tgt Ion:146 Resp: 1518703

Ion Ratio Lower Upper

146 100

111 38.1 18.6 55.8

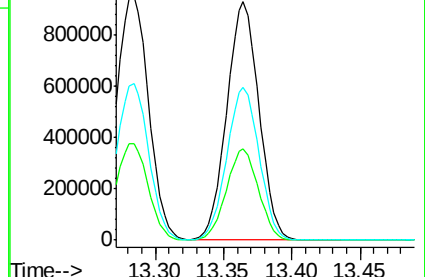
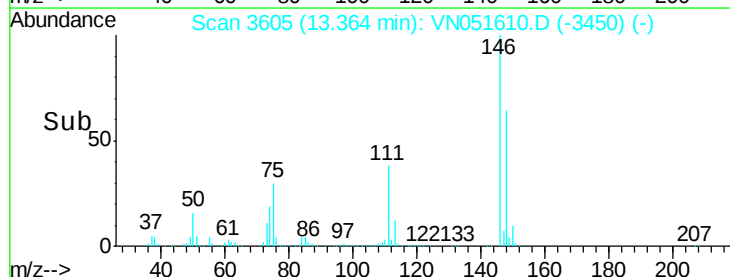
148 64.5 32.1 96.5

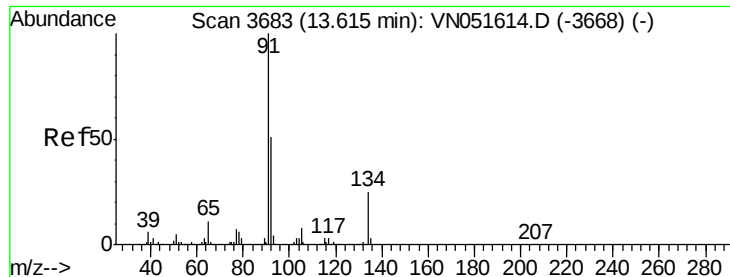


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

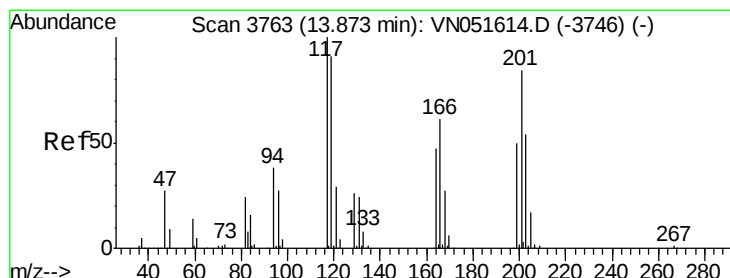
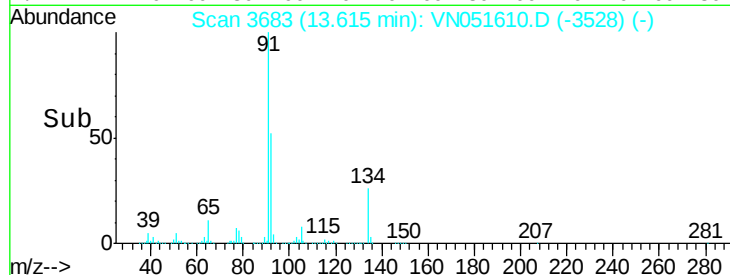
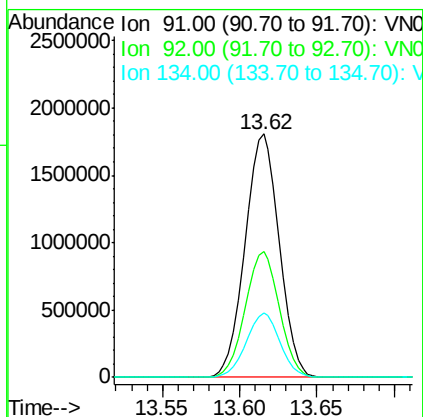
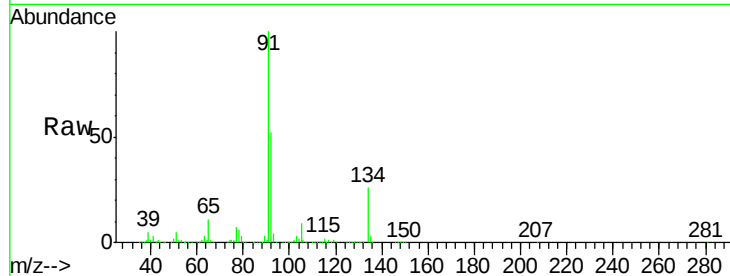




#85
n-Butylbenzene
Concen: 117.084 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

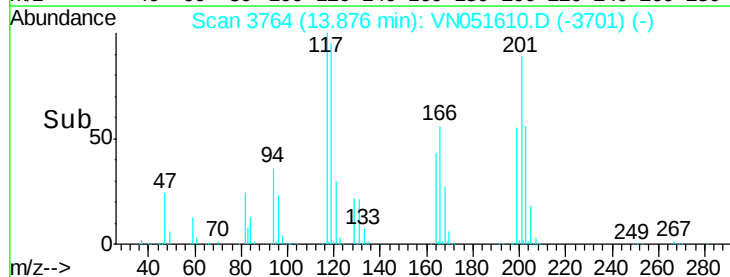
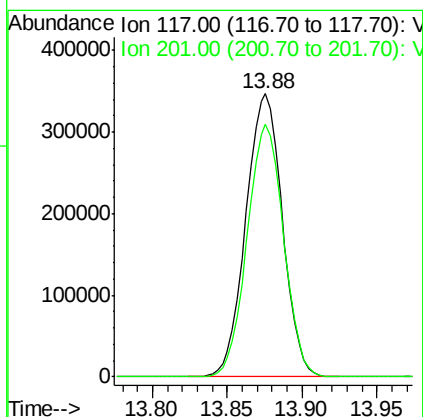
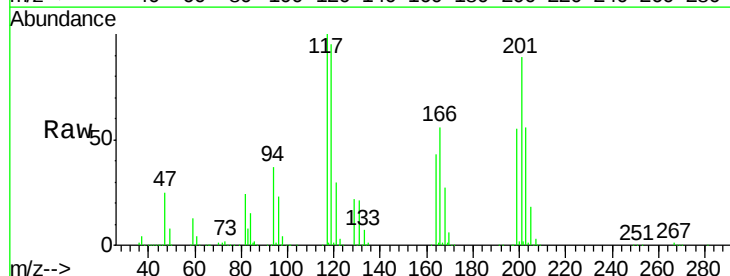
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

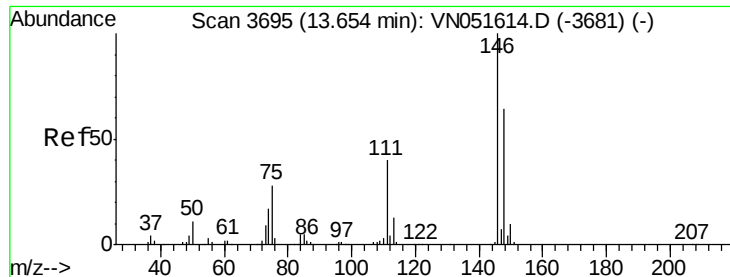
Tgt Ion: 91 Resp: 2777132
Ion Ratio Lower Upper
91 100
92 51.6 0.0 101.6
134 26.1 0.0 50.6



#86
Hexachloroethane
Concen: 101.987 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051610.D
Acq: 28 Sep 2018 9:28

Tgt Ion: 117 Resp: 589458
Ion Ratio Lower Upper
117 100
201 88.7 42.9 128.5

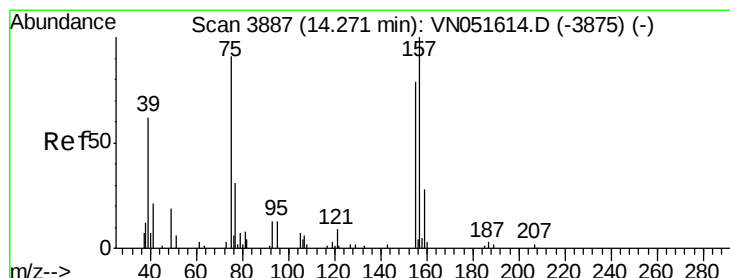
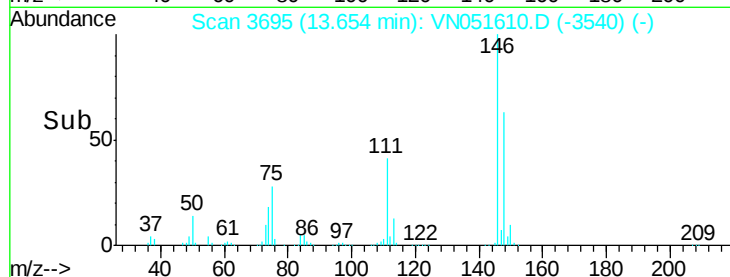
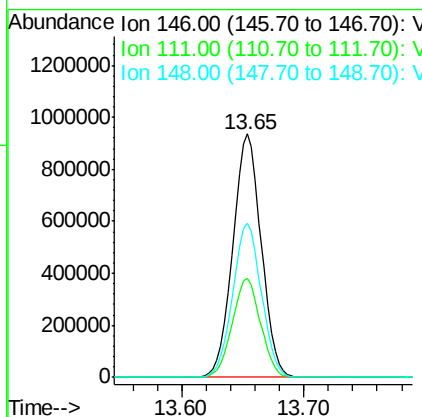
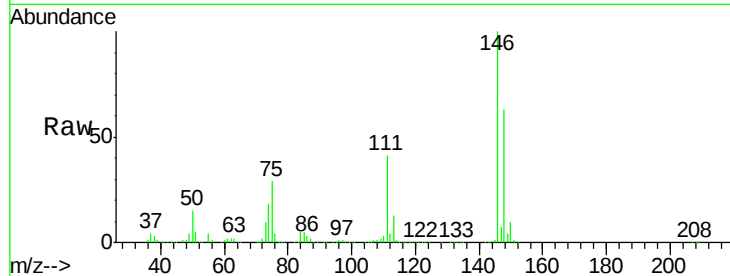




#87
 1,2-Dichlorobenzene
 Concen: 105.199 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

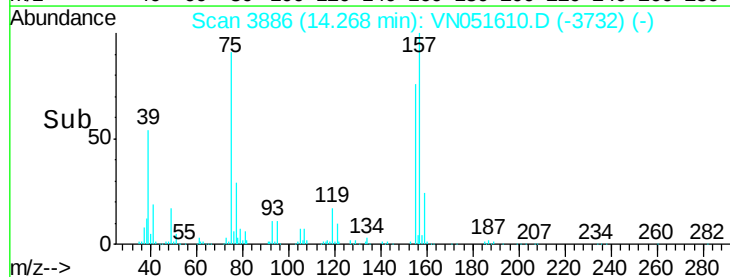
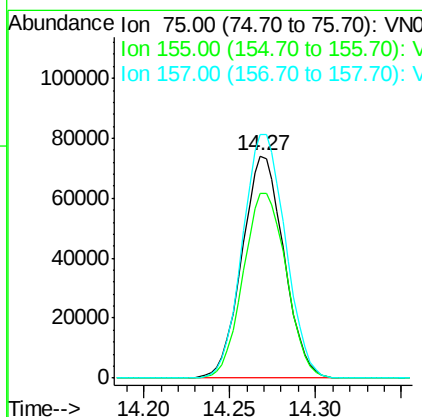
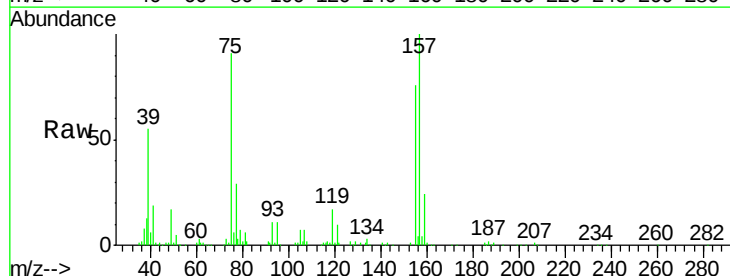
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

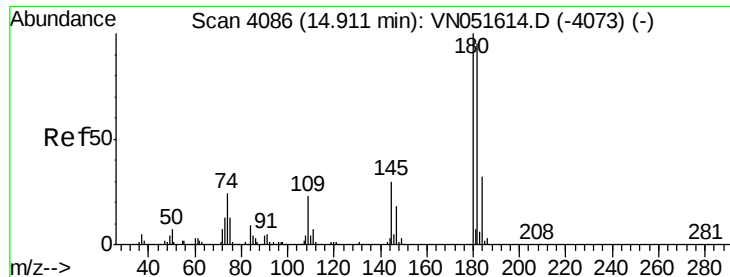
Tgt Ion:146 Resp: 1508807
 Ion Ratio Lower Upper
 146 100
 111 40.6 20.1 60.3
 148 63.8 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 105.041 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion: 75 Resp: 125234
 Ion Ratio Lower Upper
 75 100
 155 85.4 67.1 100.7
 157 112.4 85.8 128.6

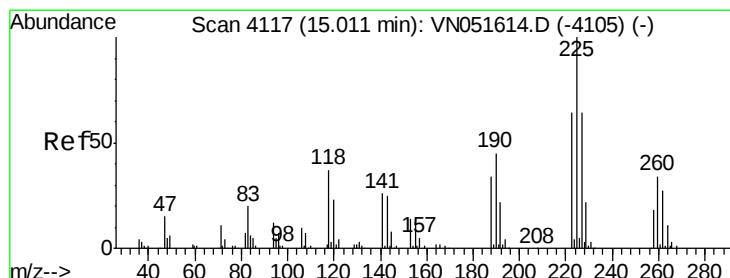
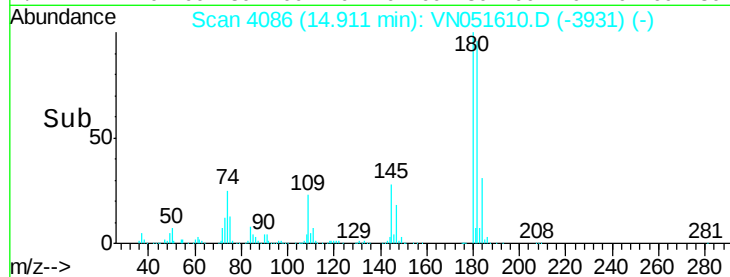
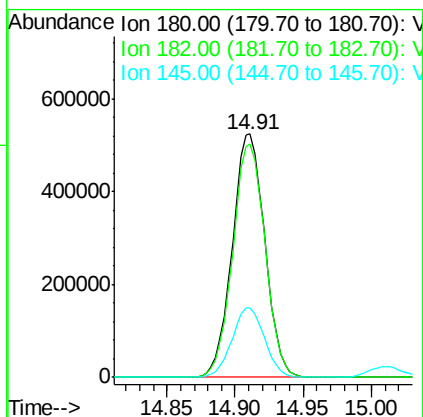
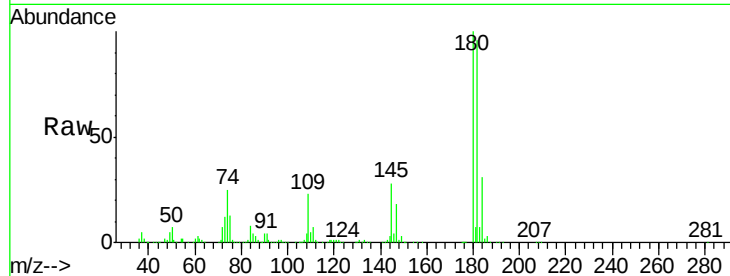




#89
 1,2,4-Trichlorobenzene
 Concen: 128.923 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

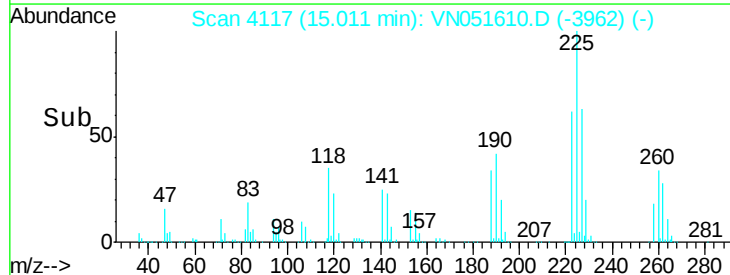
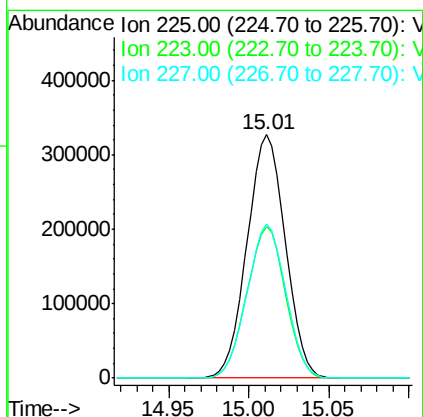
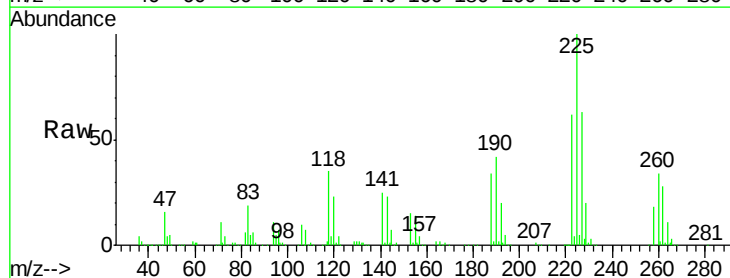
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

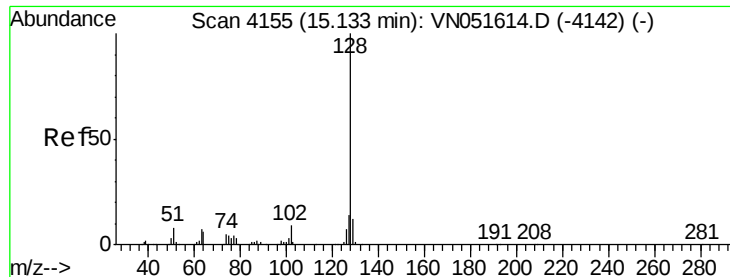
Tgt Ion:180 Resp: 865450
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.2 112.8
 145 28.6 22.9 34.3



#90
 Hexachlorobutadiene
 Concen: 98.346 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051610.D
 Acq: 28 Sep 2018 9:28

Tgt Ion:225 Resp: 538223
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 131.0
 227 63.9 0.0 129.0





#91

Naphthalene

Concen: 134.752 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

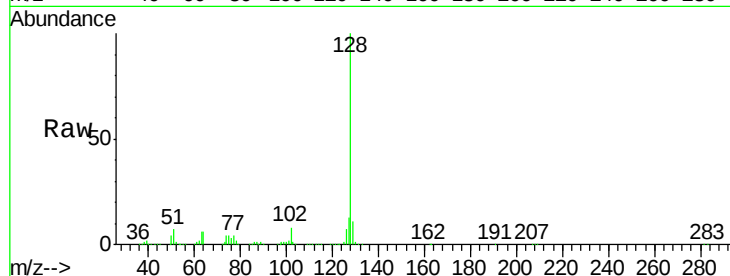
Tgt Ion:128 Resp: 1698785

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

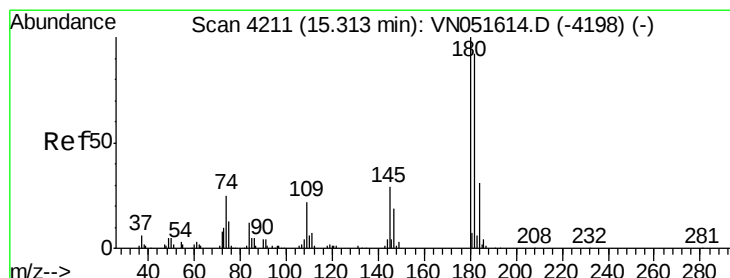
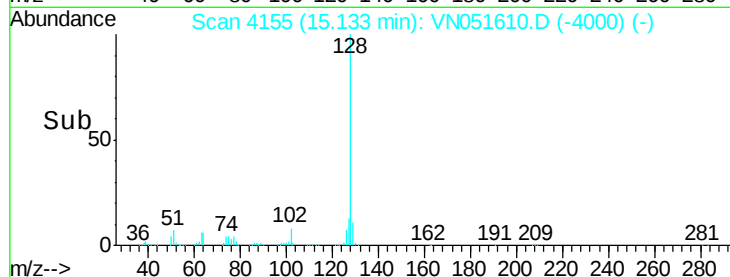
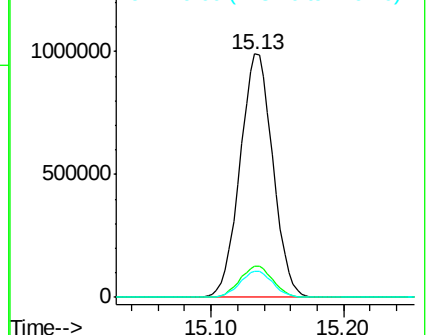
129 10.7 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 121.789 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051610.D

Acq: 28 Sep 2018 9:28

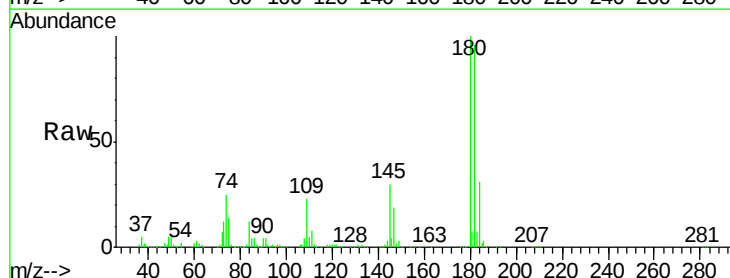
Tgt Ion:180 Resp: 822245

Ion Ratio Lower Upper

180 100

182 95.7 0.0 191.8

145 29.6 0.0 60.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

