

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051615.D
 Acq On : 28 Sep 2018 13:23
 Operator : MD\SY
 Sample : VSTDIC010
 Misc : Sample
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Sep 29 00:40:12 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	7.19	128	119324	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	654145	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	556995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	253363	30.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.63%
60) 4-Bromofluorobenzene	12.40	95	245031	28.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.37%
63) Toluene-d8	10.09	98	802358	30.53	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.77%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	108352	10.347	ug/l 98
3) Chloromethane	2.06	50	115197	9.830	ug/l 99
4) Vinyl Chloride	2.18	62	114994	10.003	ug/l 96
5) Bromomethane	2.57	94	53893	9.025	ug/l 99
6) Chloroethane	2.70	64	53936	9.353	ug/l 100
7) Trichlorofluoromethane	3.01	101	139490	9.931	ug/l 96
8) Diethyl Ether	3.41	74	41317	9.365	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	78879	9.935	ug/l 98
10) 1,1-Dichloroethene	3.74	96	68293	9.479	ug/l 94
11) Methyl Iodide	3.95	142	79205	8.540	ug/l 99
12) Methyl Acetate	4.33	43	61250	9.632	ug/l 95
13) Acrolein	3.61	56	29577	42.101	ug/l 96
14) Acrylonitrile	4.99	53	114834	45.094	ug/l 99
15) Acetone	3.82	58	31816	47.651	ug/l 95
16) Carbon Disulfide	4.05	76	218500	9.411	ug/l 100
17) Allyl chloride	4.32	41	118207	9.171	ug/l 97
18) Methylene Chloride	4.55	84	79104	9.550	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	72552	9.486	ug/l 99
20) Diisopropyl ether	5.95	45	235906	9.226	ug/l 92
21) 1,1-Dichloroethane	5.85	63	144516	9.537	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	78111	9.351	ug/l 99
23) tert-Butyl Alcohol	4.91	59	149	0.307	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	170703	9.015	ug/l 97
25) Chloroform	7.37	83	138535	9.561	ug/l 98
26) Cyclohexane	7.65	56	114560	8.736	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	99497	8.920	ug/l 98
30) 2-Butanone	6.84	43	138875	45.745	ug/l 98
31) 2,2-Dichloropropane	6.82	77	113922	9.463	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	119785	9.558	ug/l 99
33) Carbon Tetrachloride	7.77	117	106186	9.427	ug/l 97
34) Benzene	8.04	78	312508	9.443	ug/l # 91
35) Methacrylonitrile	7.18	41	29875	8.490	ug/l 97
36) 1,2-Dichloroethane	8.13	62	97502	9.243	ug/l 100
37) Trichloroethene	8.83	130	80132	9.431	ug/l 99
38) Methylcyclohexane	9.08	83	110863	8.613	ug/l 97
39) 1,2-Dichloropropane	9.12	63	84701	9.341	ug/l 95
40) Dibromomethane	9.21	93	46968	9.324	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051615.D
 Acq On : 28 Sep 2018 13:23
 Operator : MD\SY
 Sample : VSTDIC010
 Misc : Sample
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Sep 29 00:40:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:34:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	102483	9.320	ug/l	98
42) Vinyl Acetate	5.90	43	730649	43.231	ug/l	99
43) Ethyl Acetate	6.93	43	61752	9.610	ug/l	95
44) Isopropyl Acetate	8.16	43	113120	8.991	ug/l	96
45) 1,4-Dioxane	9.19	88	4804	70.676	ug/l #	1
46) Methyl methacrylate	9.20	41	48585	8.301	ug/l	95
47) n-amyl Acetate	12.07	43	73365	7.793	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	94534	8.614	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	114231	8.903	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	67382	9.466	ug/l	94
51) Ethyl methacrylate	10.43	69	71650	8.296	ug/l	99
52) 1,3-Dichloropropane	10.71	76	111647	9.147	ug/l	99
53) Dibromochloromethane	10.90	129	73535	9.070	ug/l	98
54) 1,2-Dibromoethane	11.01	107	62034	9.082	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	180324	42.240	ug/l	100
56) Bromoform	12.13	173	46540	8.651	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	296088	46.820	ug/l	98
59) 2-Hexanone	10.75	43	180353	43.351	ug/l	99
61) Tetrachloroethene	10.63	164	74311	9.423	ug/l	99
62) Toluene	10.16	91	321057	9.400	ug/l	100
64) Chlorobenzene	11.43	112	190397	9.220	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	72873	9.242	ug/l	99
66) Ethyl Benzene	11.51	91	305445	8.738	ug/l	100
67) m/p-Xylenes	11.62	106	234583	17.413	ug/l	99
68) o-Xylene	11.95	106	112959	8.784	ug/l	96
69) Styrene	11.97	104	168224	8.334	ug/l	98
70) Isopropylbenzene	12.25	105	300982	8.774	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	77691	9.361	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	93790	13.716	ug/l	46
73) Bromobenzene	12.53	156	76906	9.009	ug/l	97
74) n-propylbenzene	12.59	91	348726	8.733	ug/l	99
75) 2-Chlorotoluene	12.67	91	213054	8.934	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	250105	8.726	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	18434	8.203	ug/l	96
78) 4-Chlorotoluene	12.77	91	205675	8.732	ug/l	99
79) tert-butylbenzene	12.99	119	214134	8.623	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	246969	8.626	ug/l	100
81) sec-Butylbenzene	13.17	105	303750	8.855	ug/l	98
82) p-Isopropyltoluene	13.29	119	249815	8.521	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	128717	8.653	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	116448	8.328	ug/l	100
85) n-Butylbenzene	13.62	91	190414	7.913	ug/l	99
86) Hexachloroethane	13.87	117	53191	9.071	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	128022	8.798	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10651	8.805	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	41867	6.147	ug/l	98
90) Hexachlorobutadiene	15.01	225	56282	10.136	ug/l	96
91) Naphthalene	15.13	128	67474	5.275	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	46199	6.745	ug/l	99

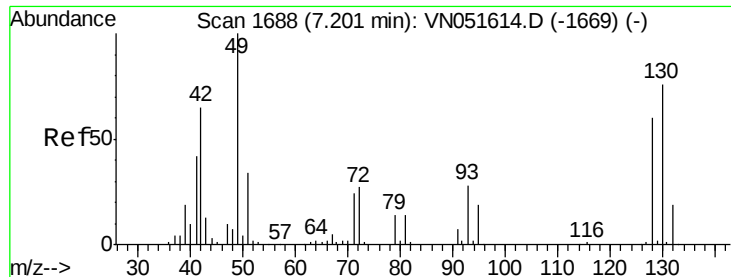
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
Data File : VN051615.D
Acq On : 28 Sep 2018 13:23
Operator : MD\SY
Sample : VSTDICC010
Misc : Sample
ALS Vial : 11 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Quant Time: Sep 29 00:40:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 00:34:08 2018
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

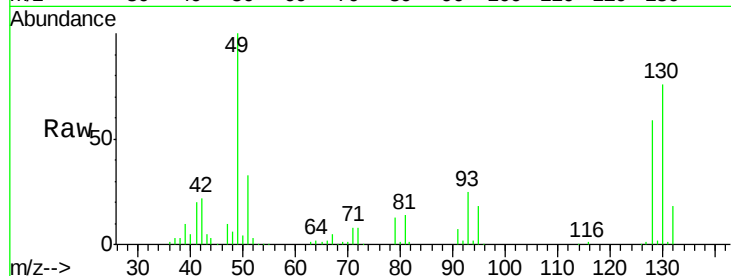
Tgt Ion:128 Resp: 119324

Ion Ratio Lower Upper

128 100

49 172.3 0.0 426.8

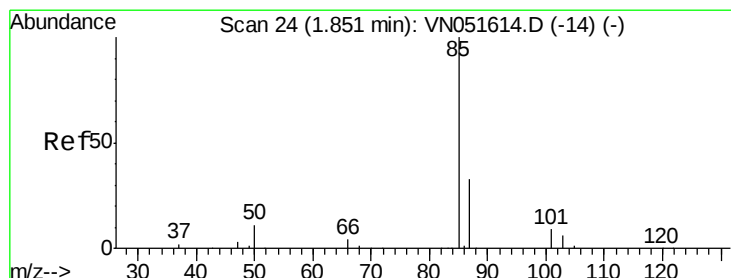
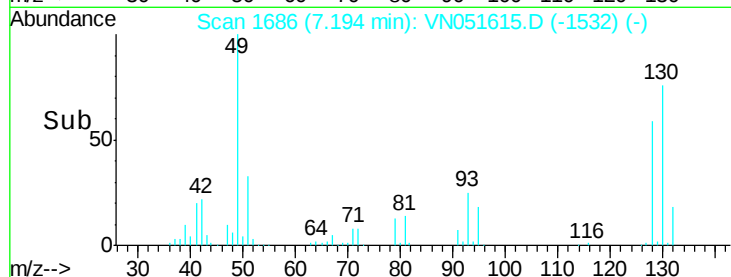
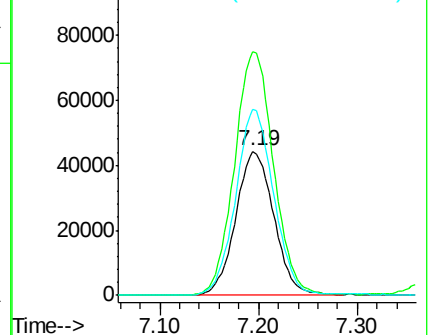
130 128.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.347 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051615.D

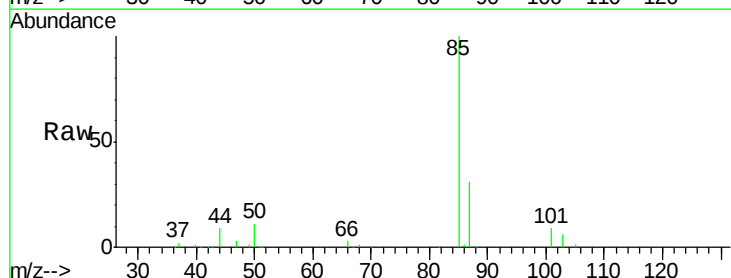
Acq: 28 Sep 2018 13:23

Tgt Ion: 85 Resp: 108352

Ion Ratio Lower Upper

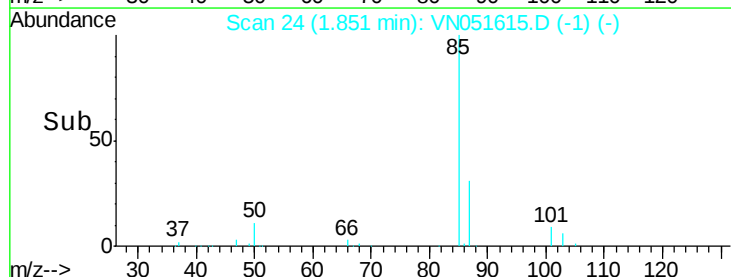
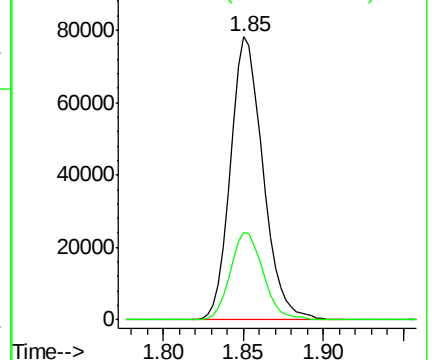
85 100

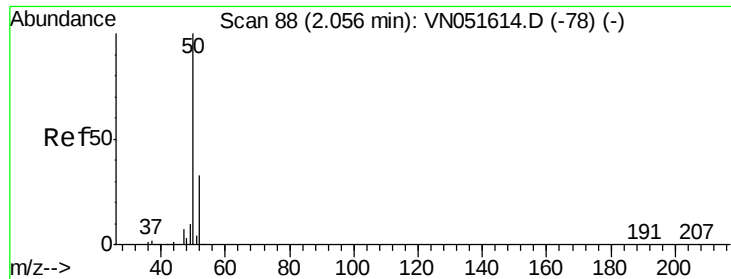
87 31.1 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 9.830 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

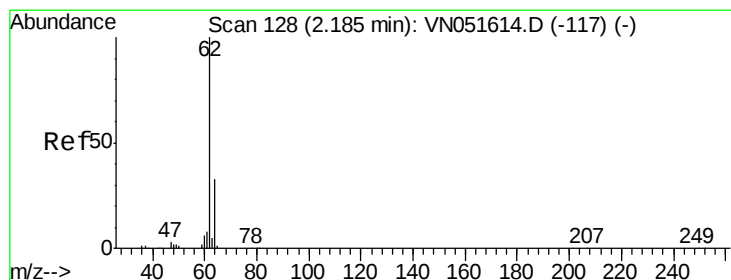
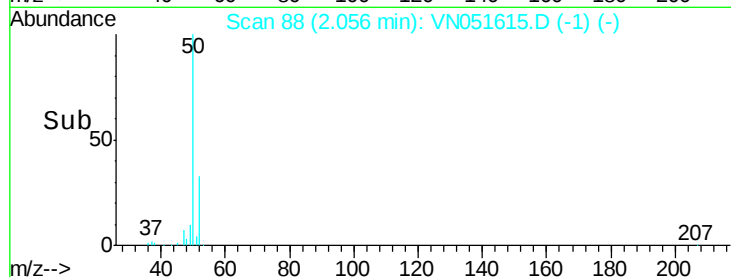
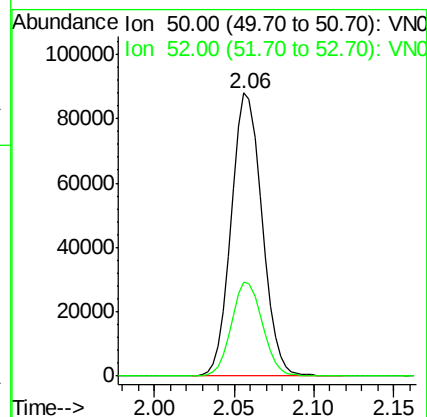
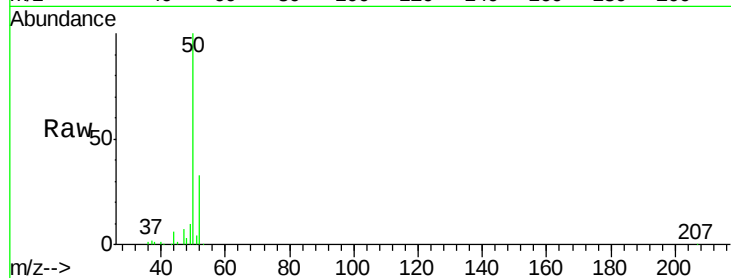
VSTDIC010

Tgt Ion: 50 Resp: 115197

Ion Ratio Lower Upper

50 100

52 33.3 26.0 39.0



#4

Vinyl Chloride

Concen: 10.003 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051615.D

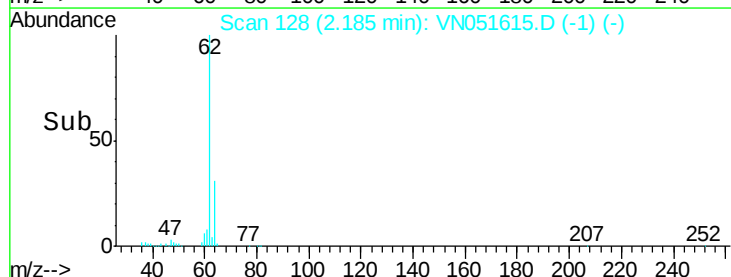
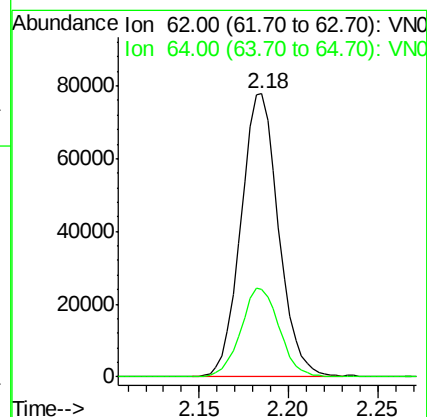
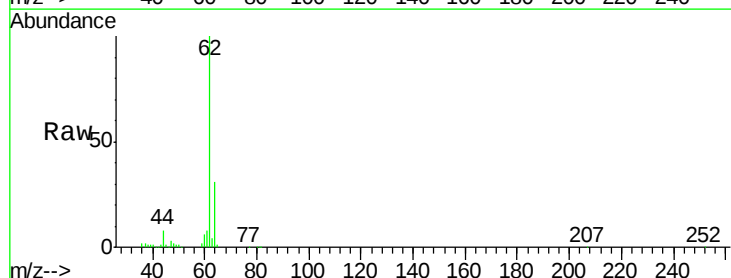
Acq: 28 Sep 2018 13:23

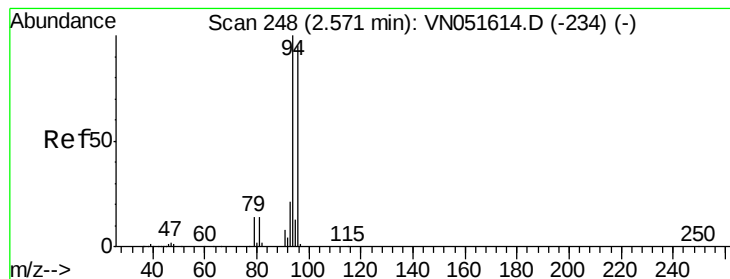
Tgt Ion: 62 Resp: 114994

Ion Ratio Lower Upper

62 100

64 30.8 26.3 39.5





#5

Bromomethane

Concen: 9.025 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

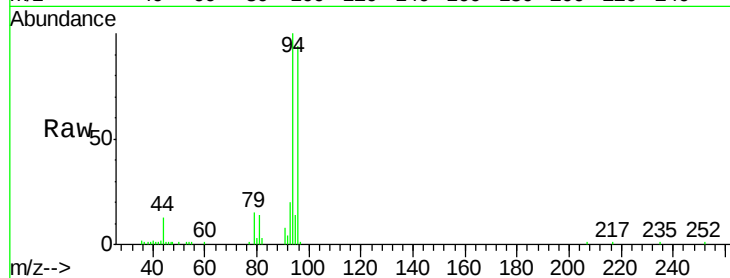
VSTDIC010

Tgt Ion: 94 Resp: 53893

Ion Ratio Lower Upper

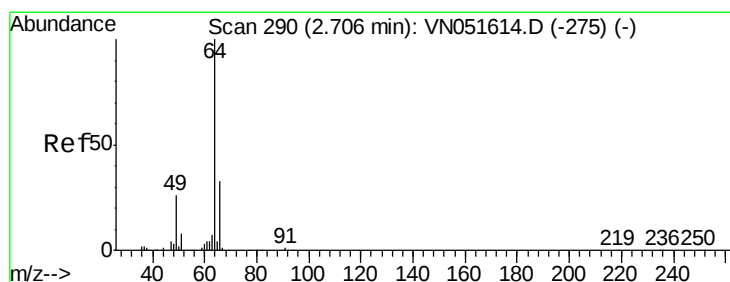
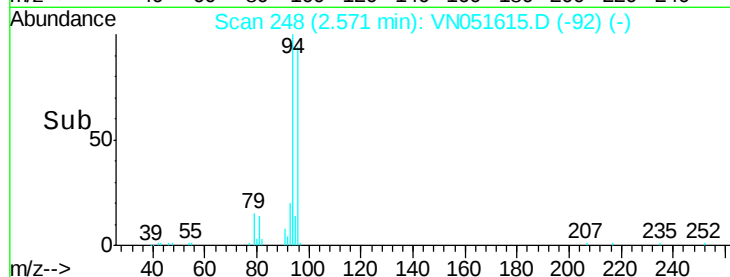
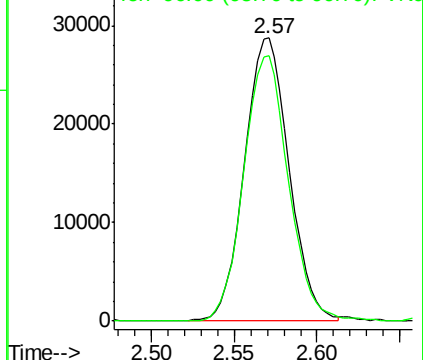
94 100

96 93.9 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 9.353 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051615.D

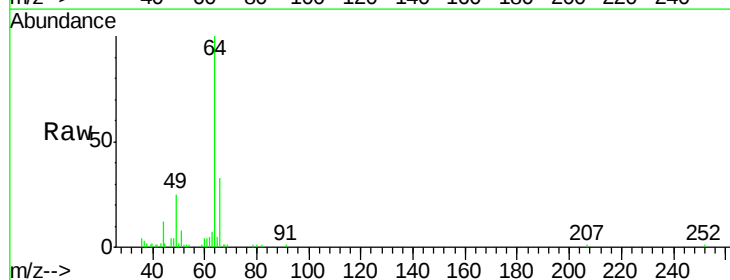
Acq: 28 Sep 2018 13:23

Tgt Ion: 64 Resp: 53936

Ion Ratio Lower Upper

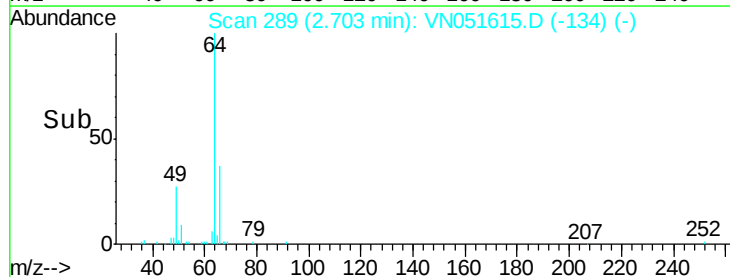
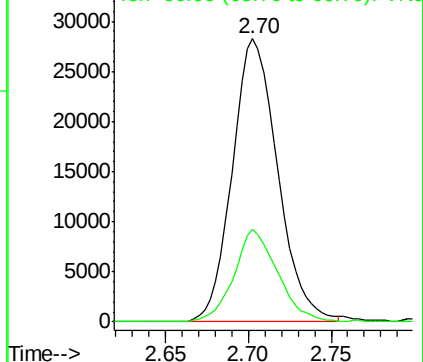
64 100

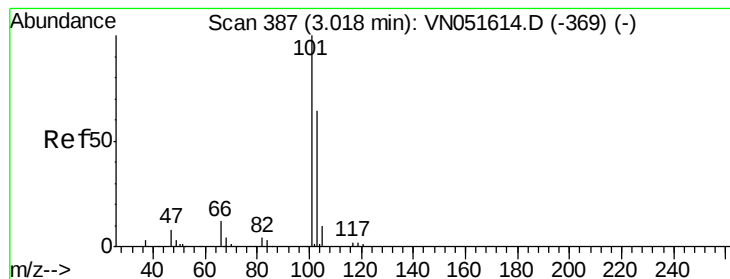
66 32.6 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 9.931 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

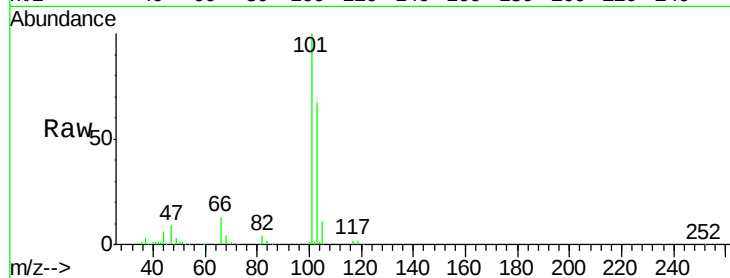
VSTDIC010

Tgt Ion:101 Resp: 139490

Ion Ratio Lower Upper

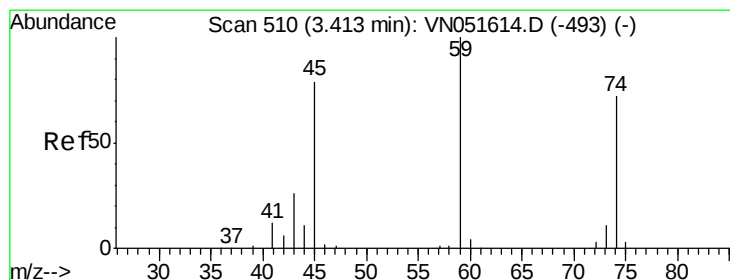
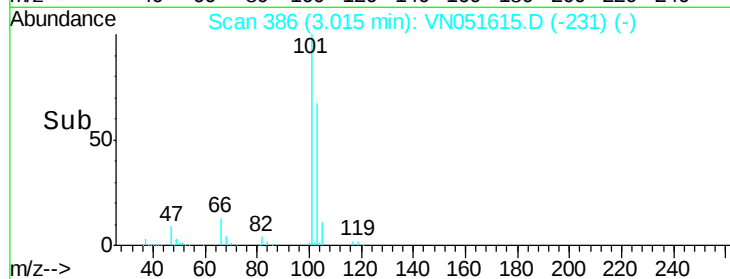
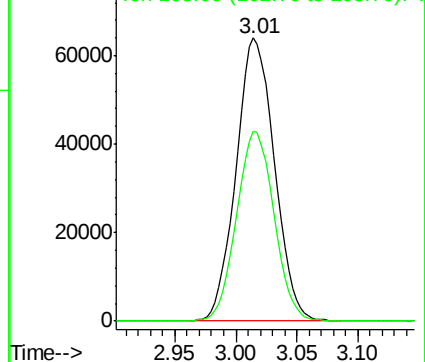
101 100

103 67.2 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 9.365 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051615.D

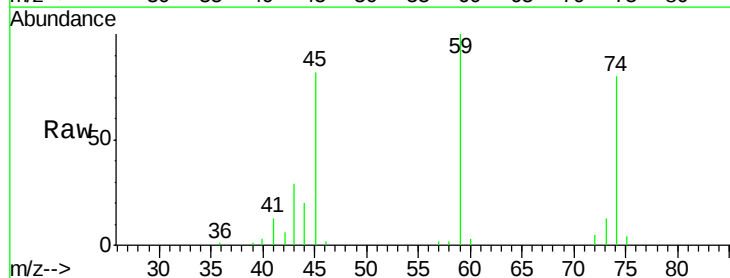
Acq: 28 Sep 2018 13:23

Tgt Ion: 74 Resp: 41317

Ion Ratio Lower Upper

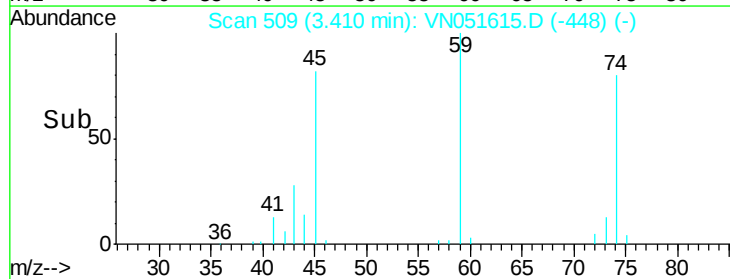
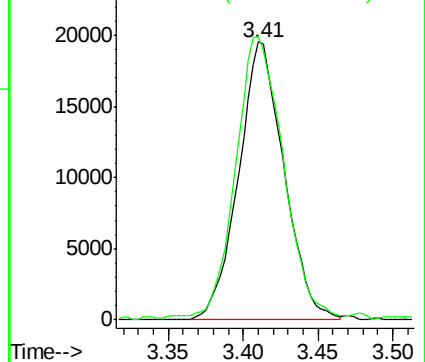
74 100

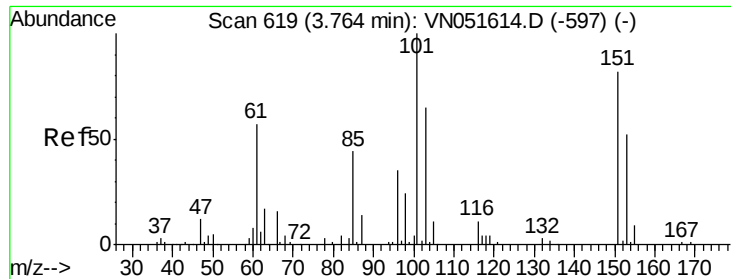
45 106.0 21.3 191.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.935 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

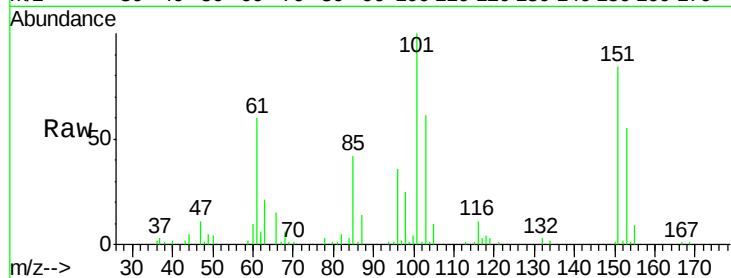
Tgt Ion:101 Resp: 78879

Ion Ratio Lower Upper

101 100

85 43.6 0.0 89.4

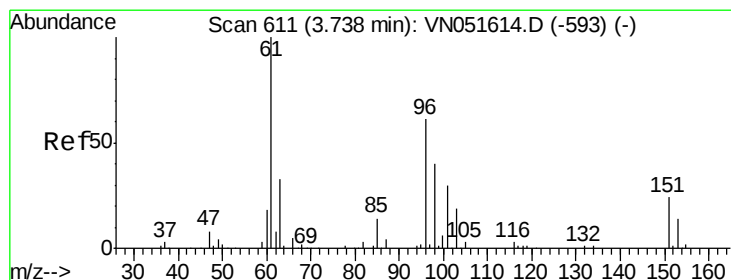
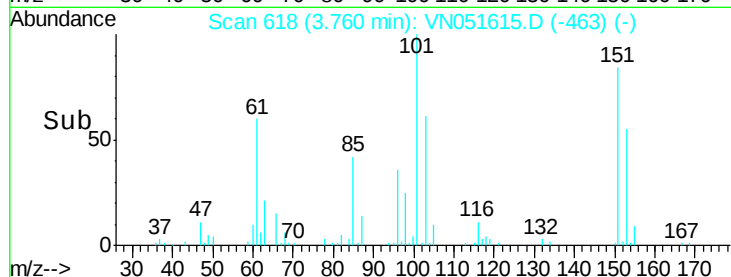
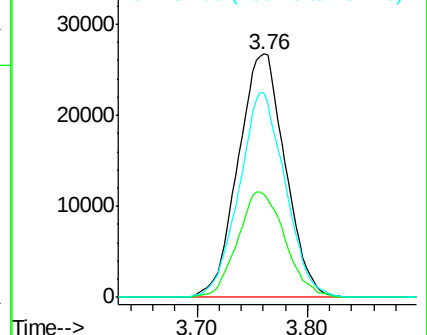
151 82.4 0.0 167.6



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: 9.479 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

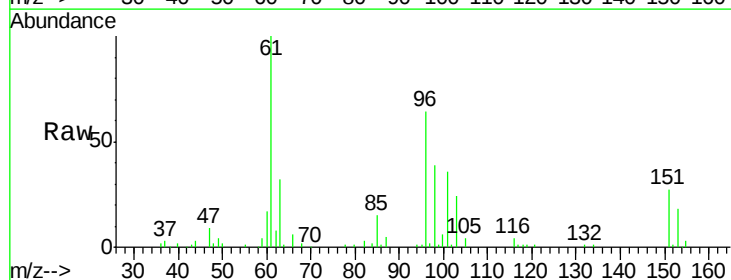
Tgt Ion: 96 Resp: 68293

Ion Ratio Lower Upper

96 100

61 155.2 131.0 196.4

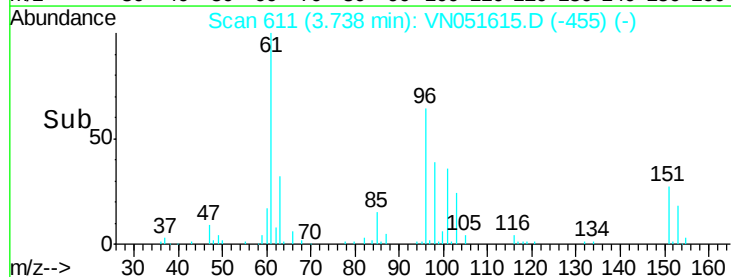
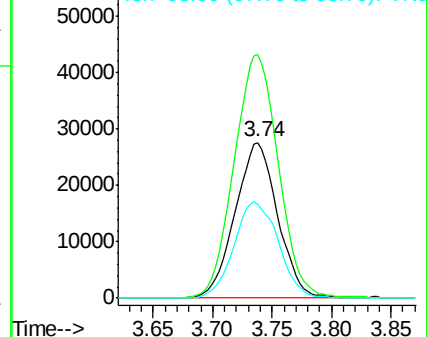
98 60.5 52.7 79.1

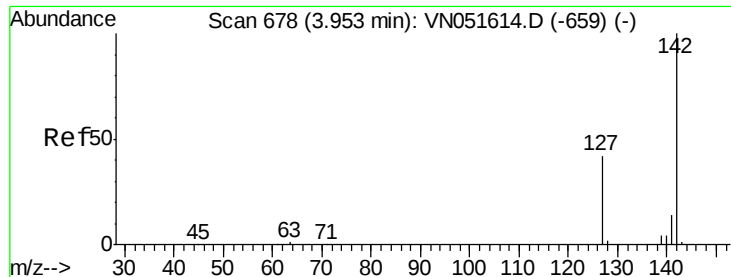


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

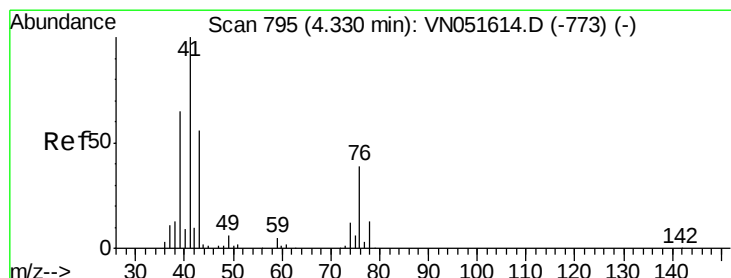
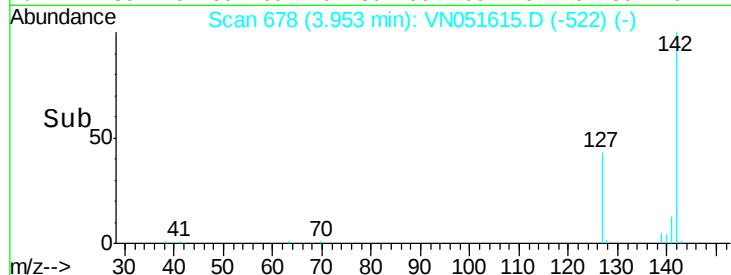
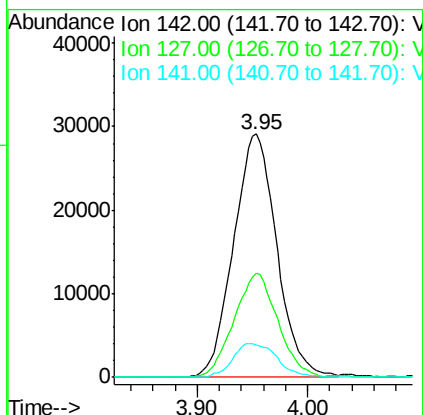
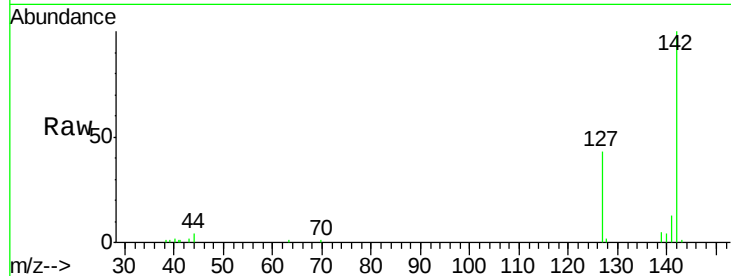




#11
Methyl Iodide
Concen: 8.540 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

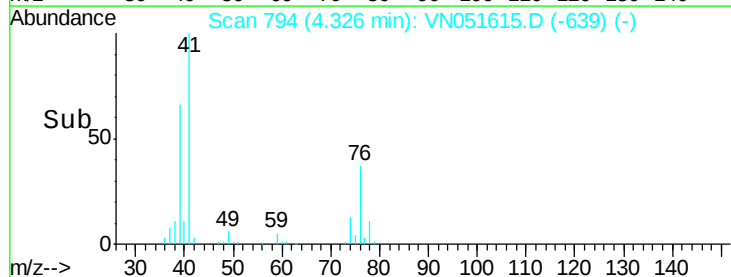
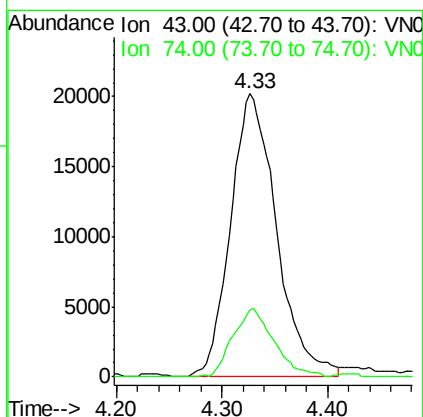
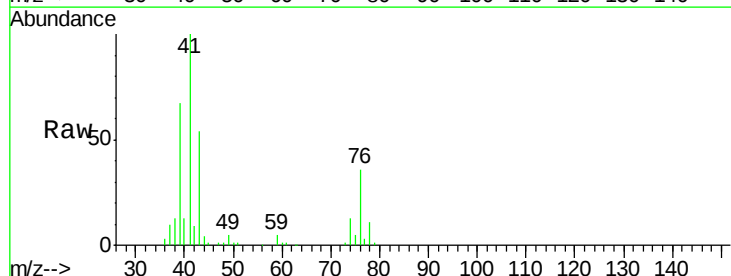
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

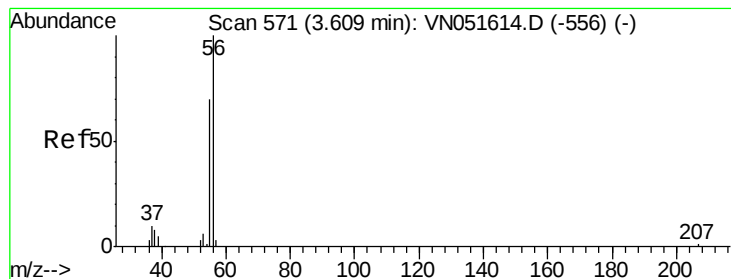
Tgt Ion:142 Resp: 79205
Ion Ratio Lower Upper
142 100
127 42.5 21.1 63.1
141 13.5 7.1 21.4



#12
Methyl Acetate
Concen: 9.632 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 43 Resp: 61250
Ion Ratio Lower Upper
43 100
74 23.4 17.0 25.4





#13

Acrolein

Concen: 42.101 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

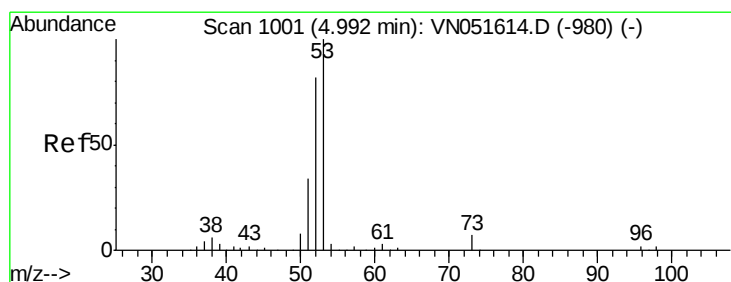
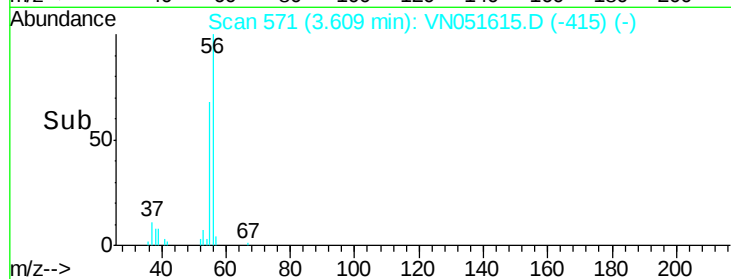
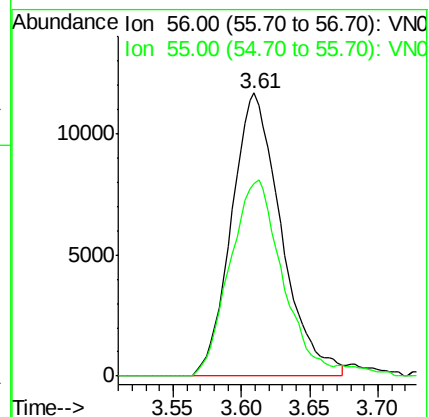
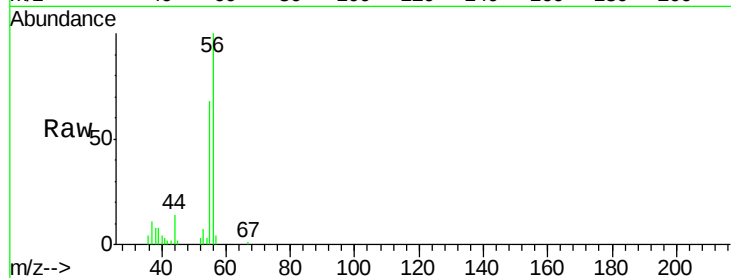
VSTDIC010

Tgt Ion: 56 Resp: 29577

Ion Ratio Lower Upper

56 100

55 72.7 55.8 83.8



#14

Acrylonitrile

Concen: 45.094 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

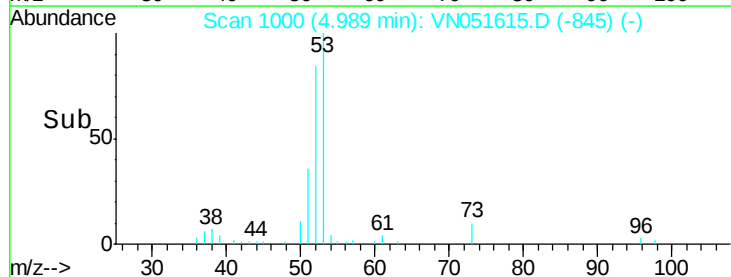
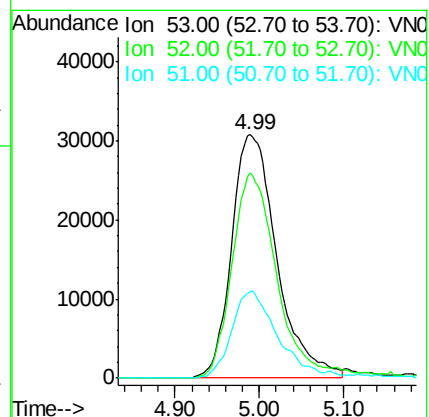
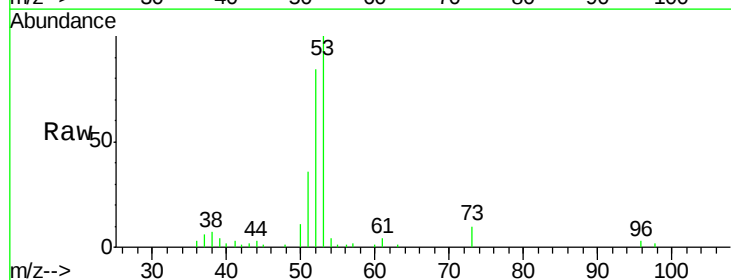
Tgt Ion: 53 Resp: 114834

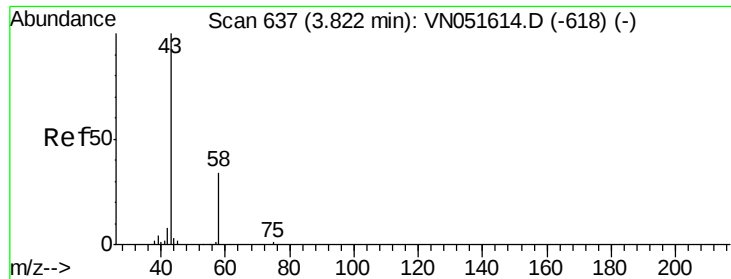
Ion Ratio Lower Upper

53 100

52 82.1 41.3 123.7

51 35.6 17.1 51.2





#15

Acetone

Concen: 47.651 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

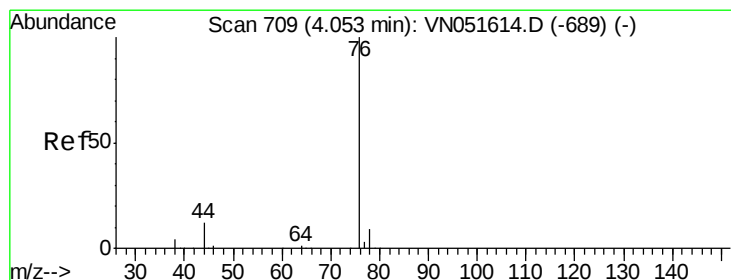
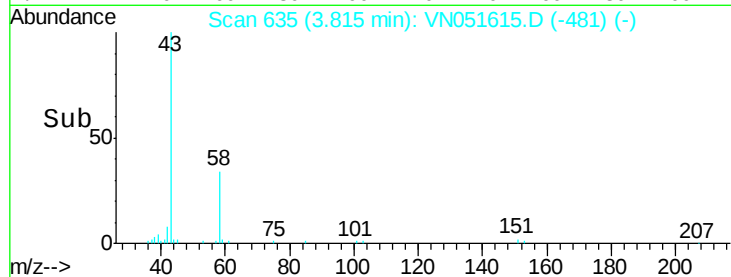
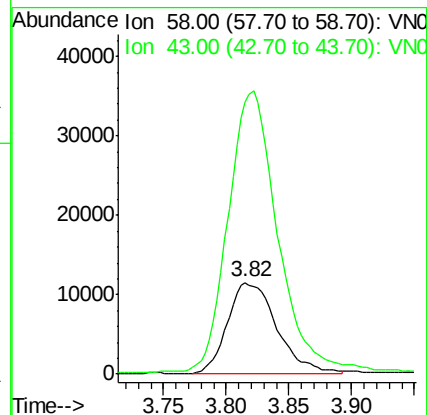
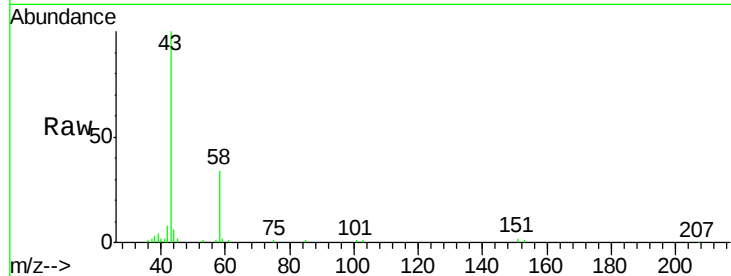
VSTDIC010

Tgt Ion: 58 Resp: 31816

Ion Ratio Lower Upper

58 100

43 288.7 238.0 357.0



#16

Carbon Disulfide

Concen: 9.411 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051615.D

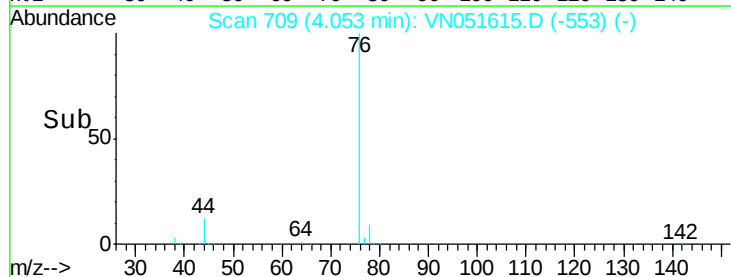
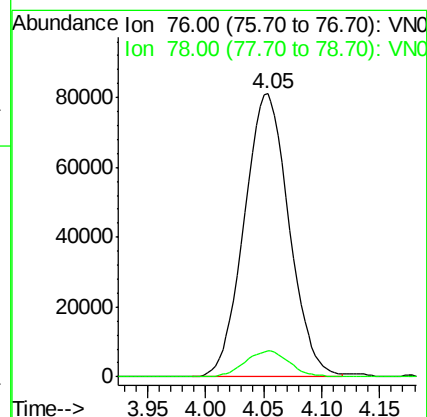
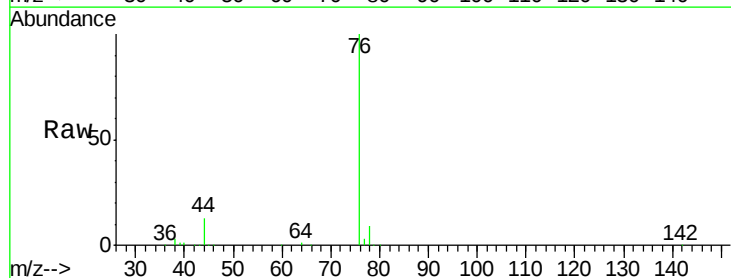
Acq: 28 Sep 2018 13:23

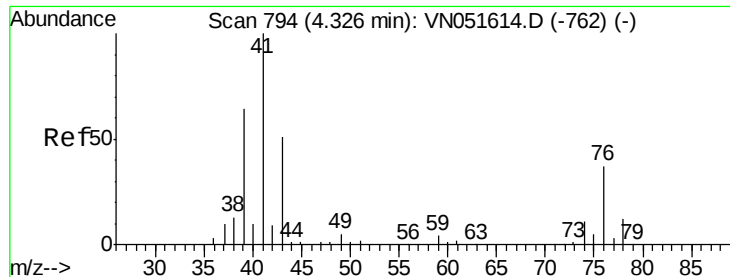
Tgt Ion: 76 Resp: 218500

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

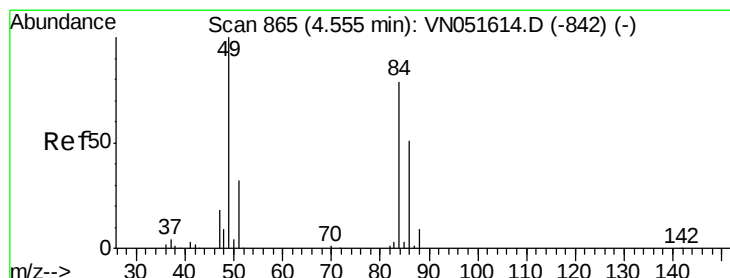
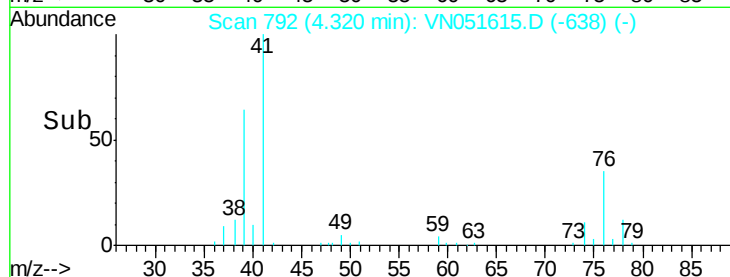
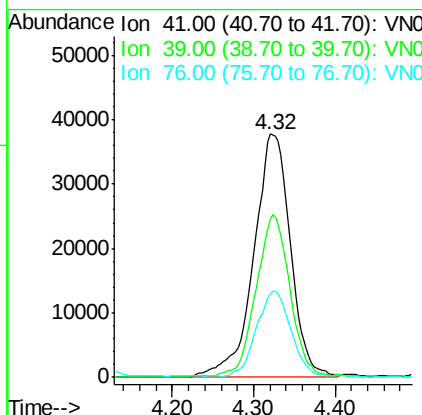
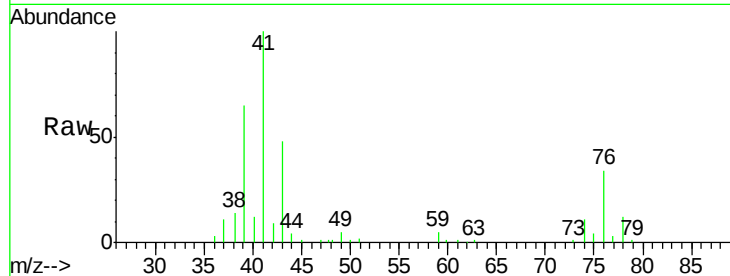




#17
 Allyl chloride
 Concen: 9.171 ug/l
 RT: 4.32 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

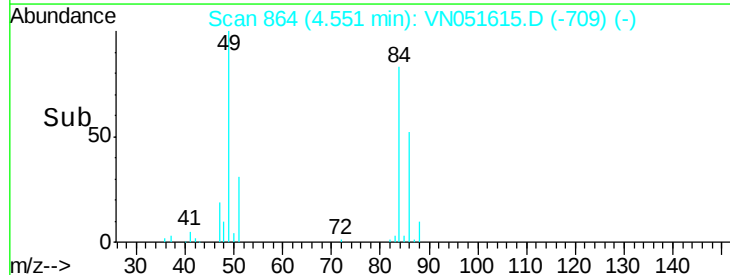
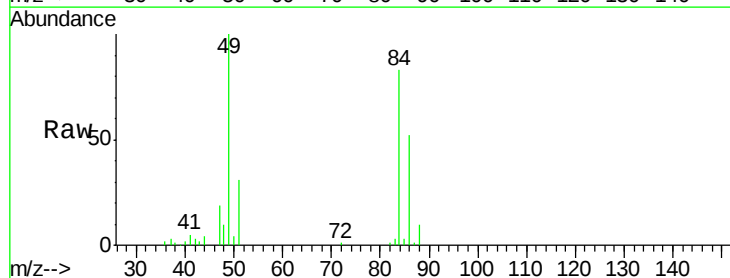
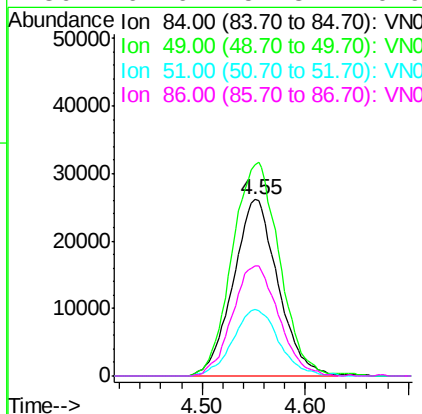
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

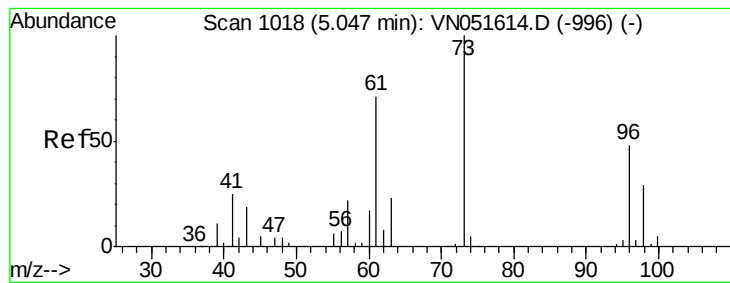
Tgt Ion:	41	Resp:	118207
Ion	Ratio	Lower	Upper
41	100		
39	65.1	31.9	95.9
76	34.0	18.6	56.0



#18
 Methylene Chloride
 Concen: 9.550 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion:	84	Resp:	79104
Ion	Ratio	Lower	Upper
84	100		
49	120.0	100.9	151.3
51	37.8	32.5	48.7
86	62.6	51.3	76.9





#19

trans-1,2-Dichloroethene

Concen: 9.486 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

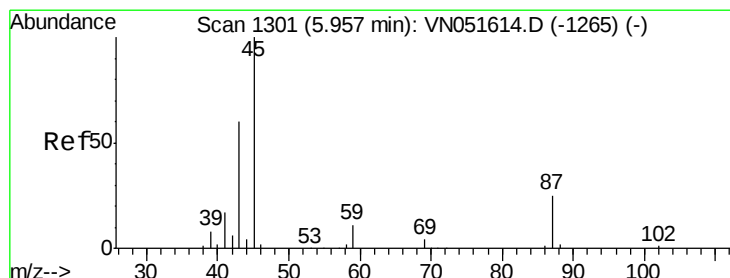
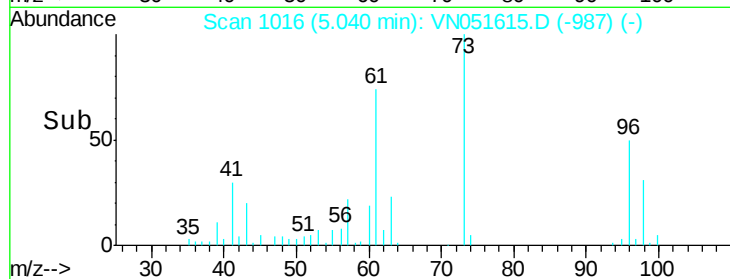
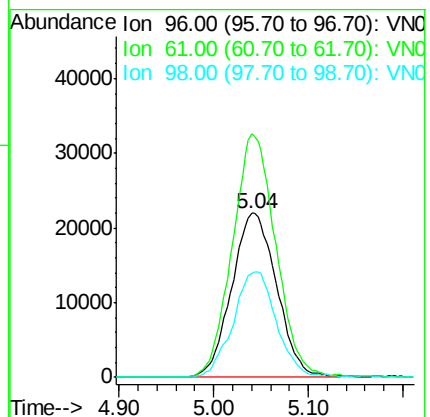
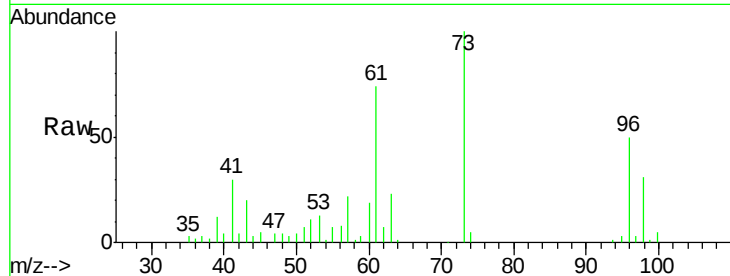
Tgt Ion: 96 Resp: 72552

Ion Ratio Lower Upper

96 100

61 147.6 118.0 177.0

98 63.3 49.0 73.4



#20

Diisopropyl ether

Concen: 9.226 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Tgt Ion: 45 Resp: 235906

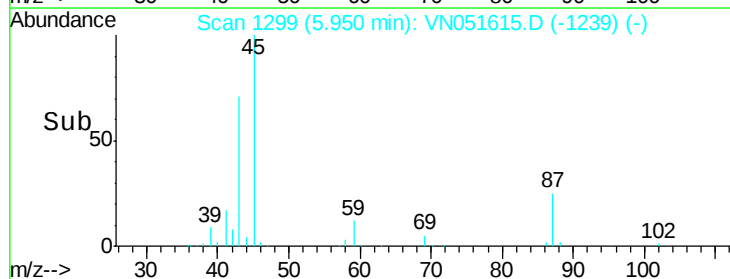
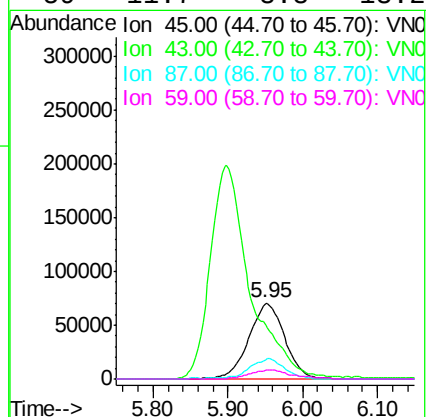
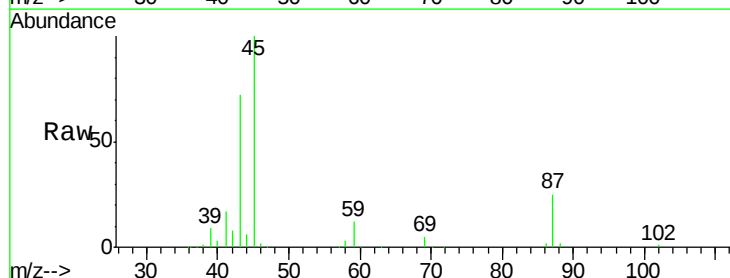
Ion Ratio Lower Upper

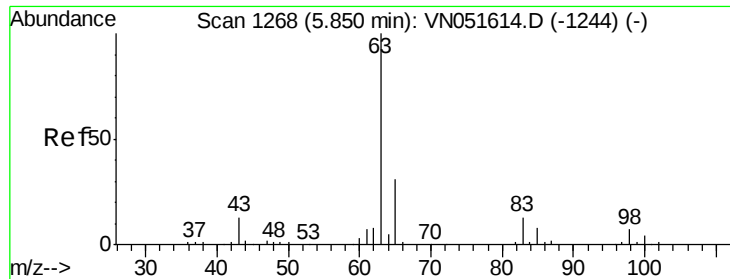
45 100

43 68.9 48.3 72.5

87 25.2 20.8 31.2

59 11.7 8.8 13.2

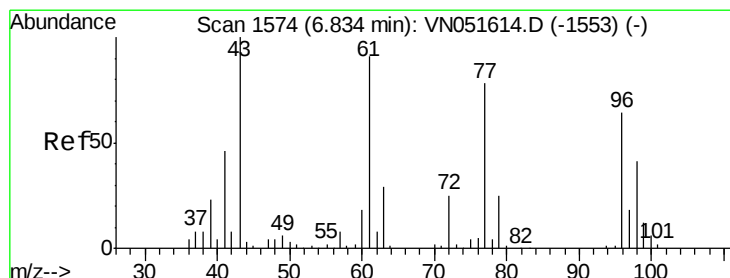
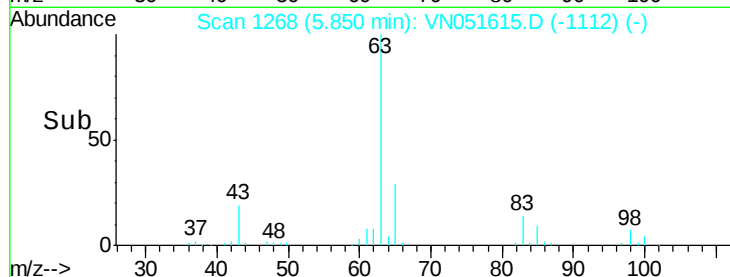
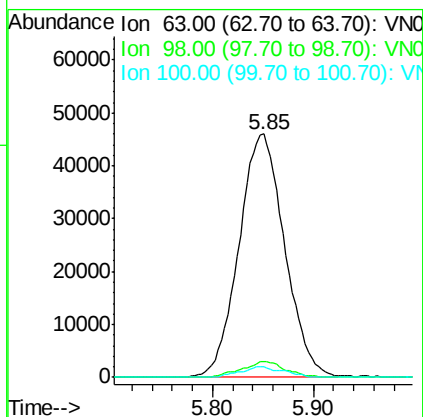
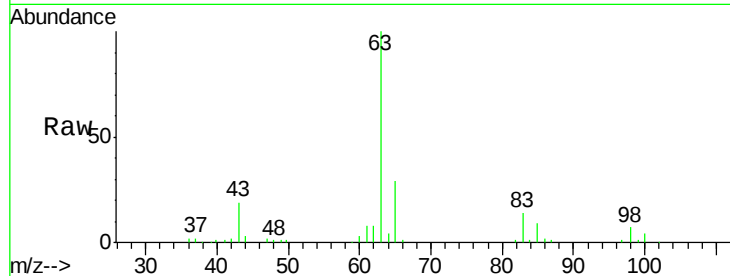




#21
 1,1-Dichloroethane
 Concen: 9.537 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

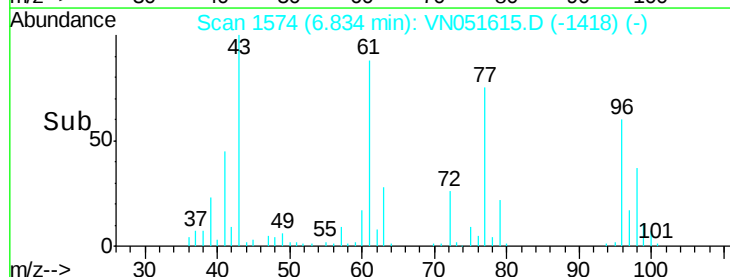
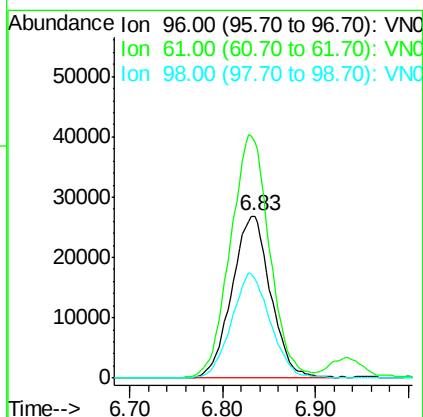
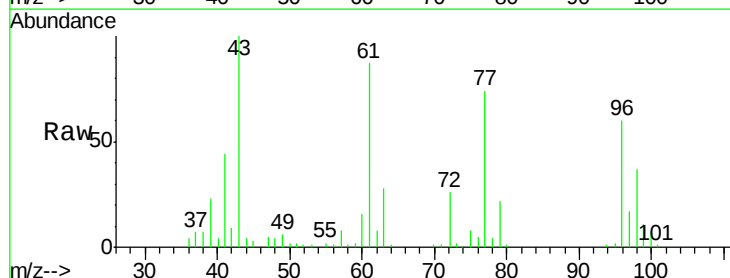
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

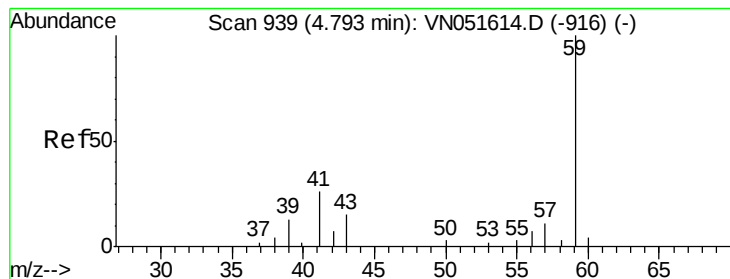
Tgt Ion: 63 Resp: 144516
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.5 2.0 5.8



#22
 cis-1,2-Dichloroethene
 Concen: 9.351 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion: 96 Resp: 78111
 Ion Ratio Lower Upper
 96 100
 61 151.6 120.4 180.6
 98 64.6 51.4 77.0





#23

tert-Butyl Alcohol

Concen: 0.307 ug/l

RT: 4.91 min Scan# 976

Delta R.T. 0.12 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

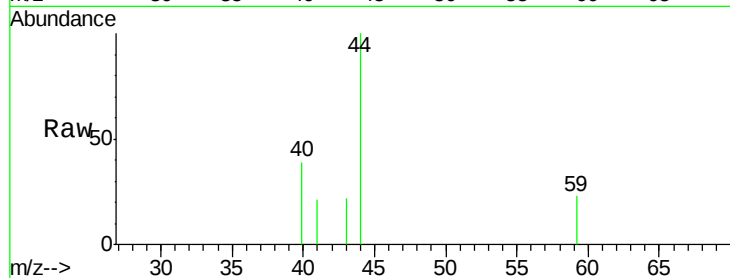
VSTDIC010

Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

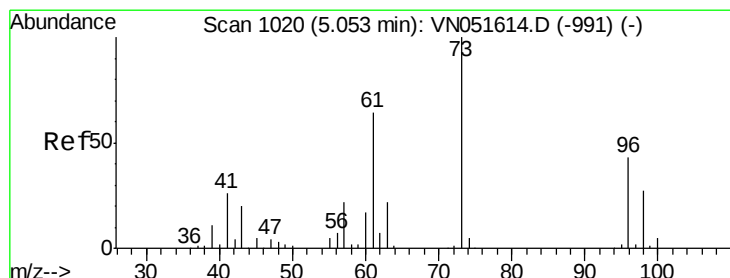
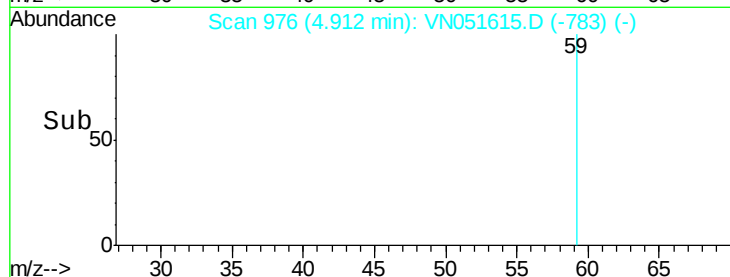
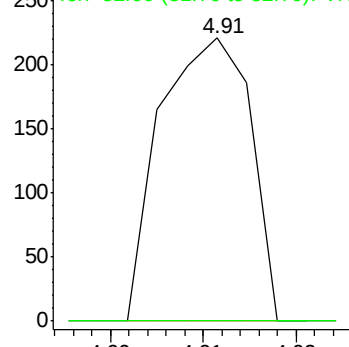
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 9.015 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VN051615.D

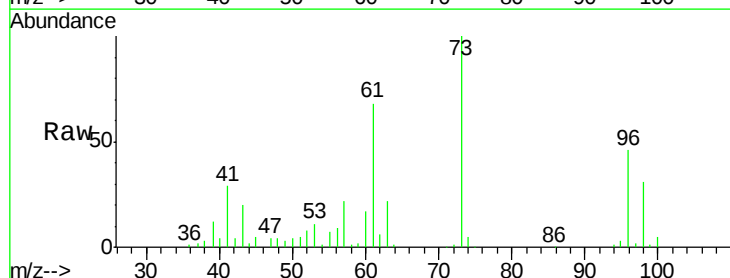
Acq: 28 Sep 2018 13:23

Tgt Ion: 73 Resp: 170703

Ion Ratio Lower Upper

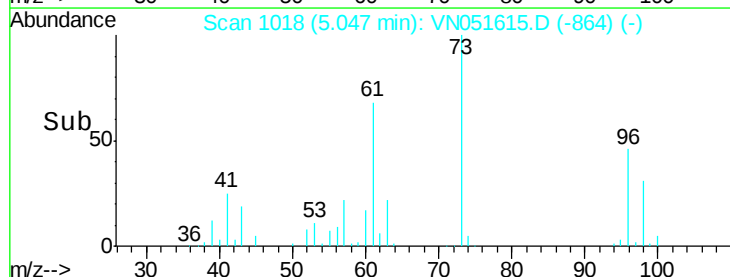
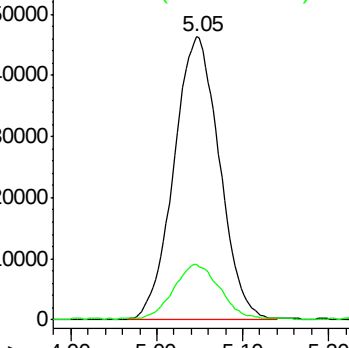
73 100

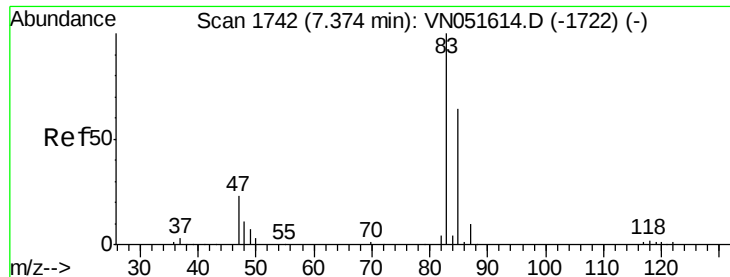
43 18.7 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

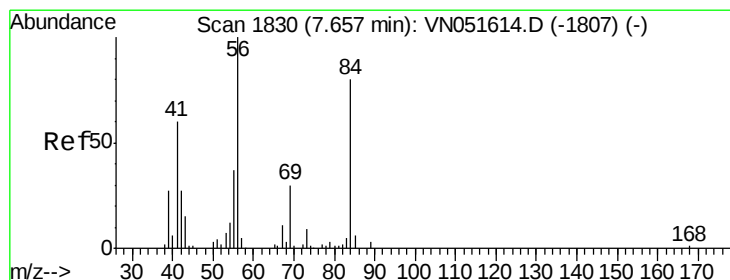
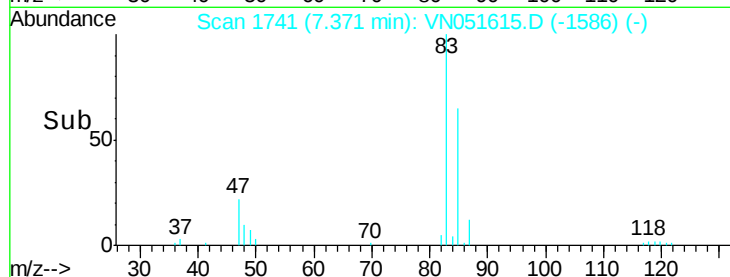
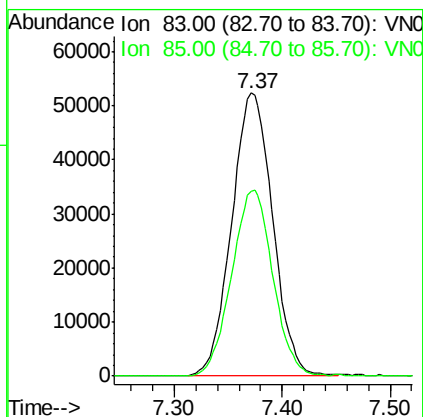
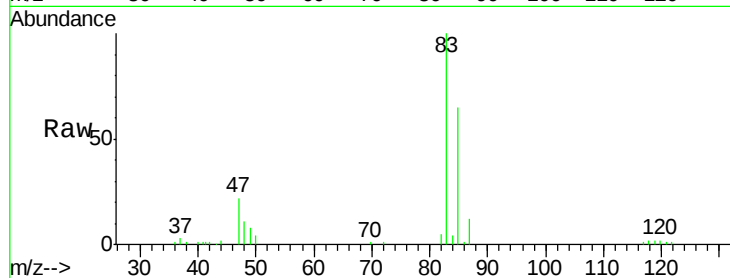




#25
Chloroform
Concen: 9.561 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

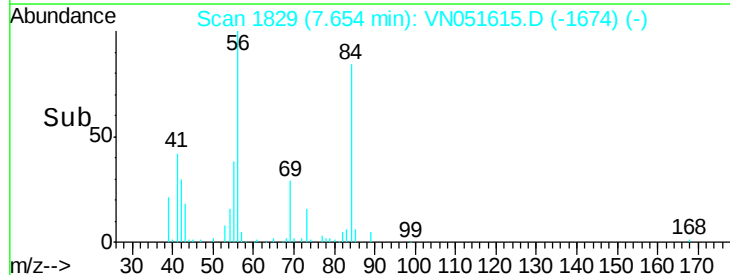
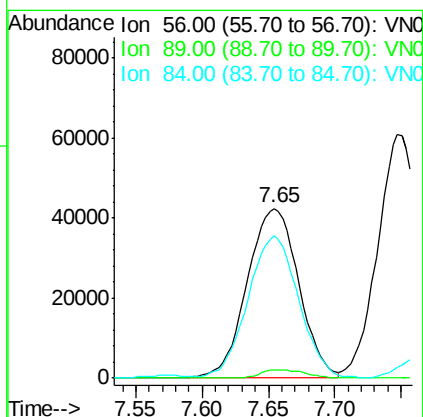
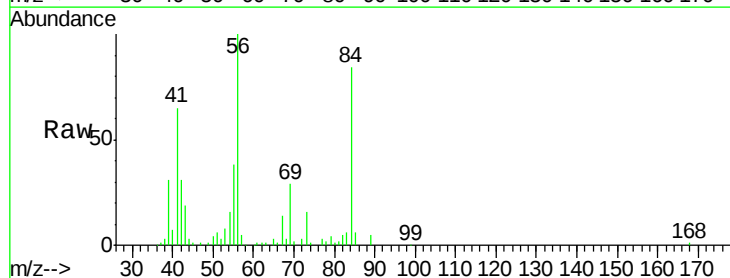
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

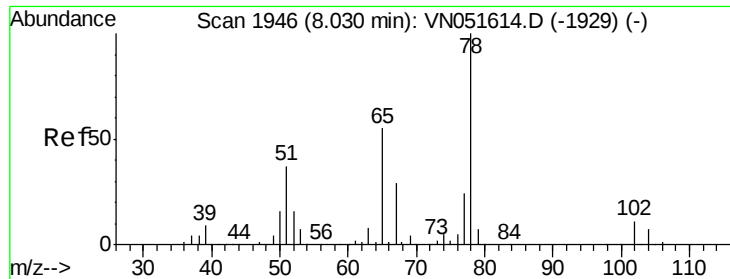
Tgt Ion: 83 Resp: 138535
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.0



#26
Cyclohexane
Concen: 8.736 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 56 Resp: 114560
Ion Ratio Lower Upper
56 100
89 4.2 2.2 3.2#
84 83.1 65.0 97.4

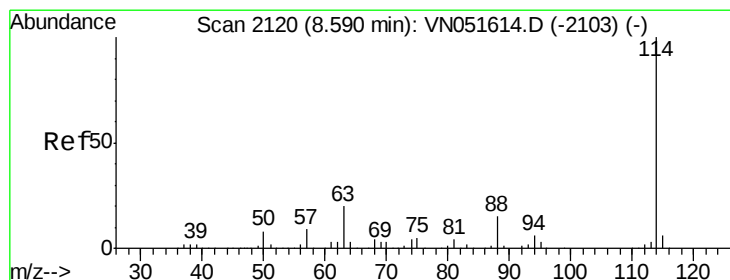
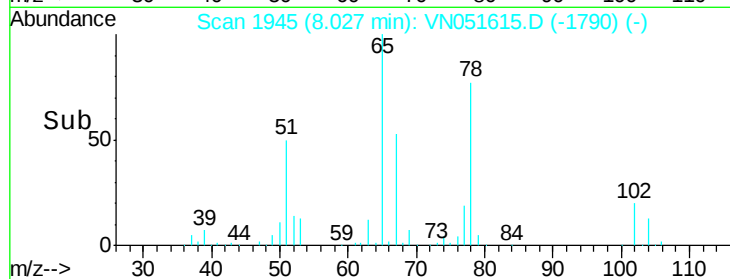
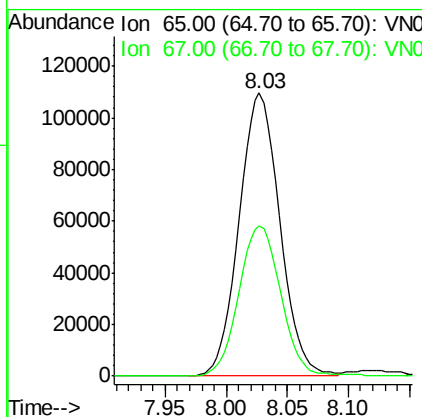
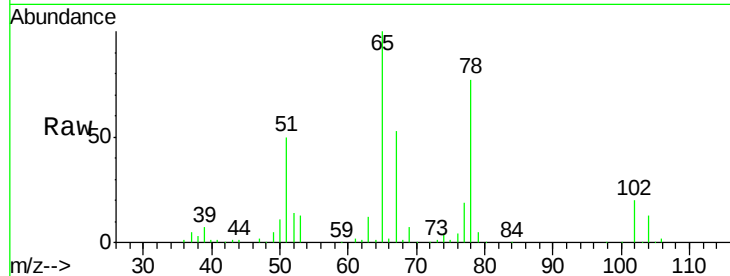




#27
 1,2-Dichloroethane-d4
 Concen: 8.736 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

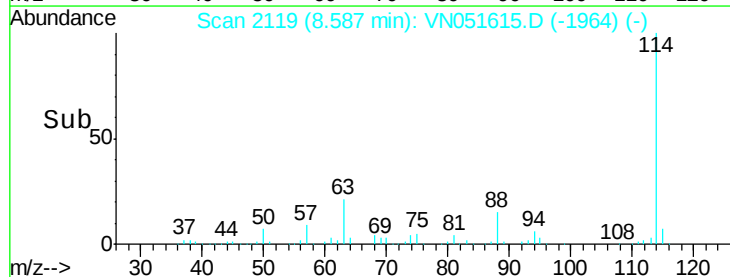
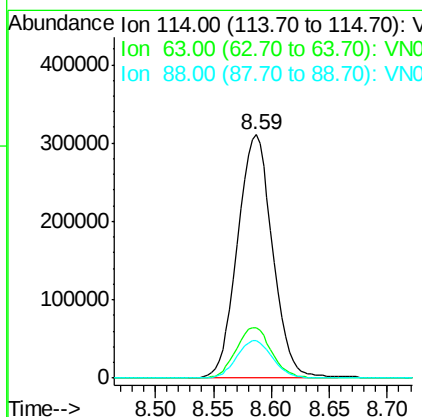
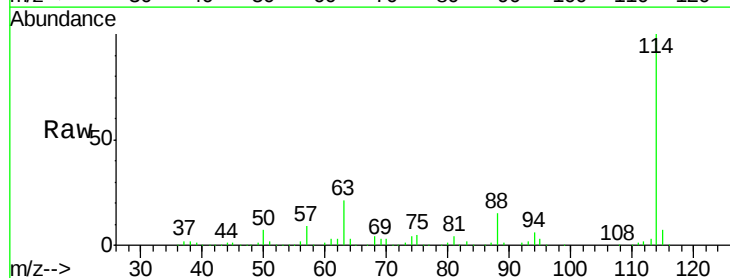
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

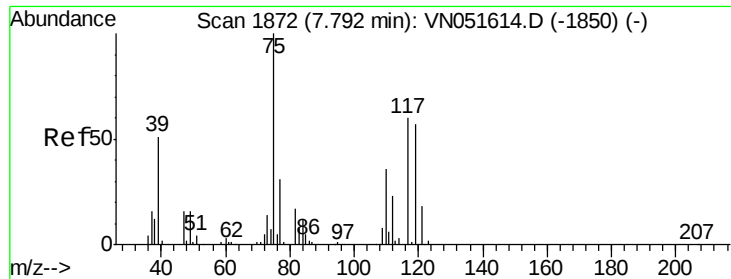
Tgt Ion: 65 Resp: 253363
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion: 114 Resp: 654145
 Ion Ratio Lower Upper
 114 100
 63 21.0 16.4 24.6
 88 15.7 12.6 18.8

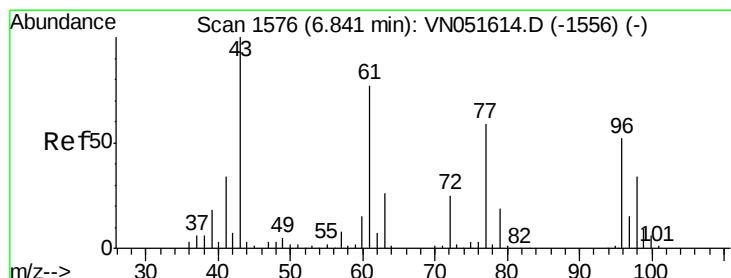
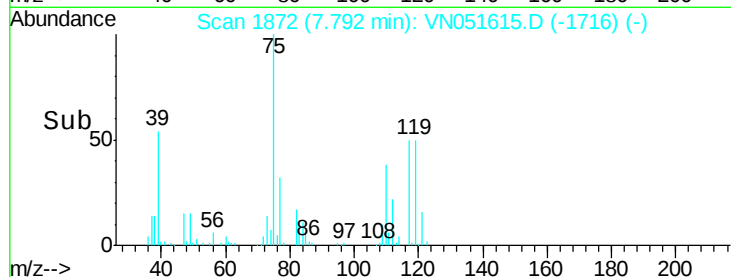
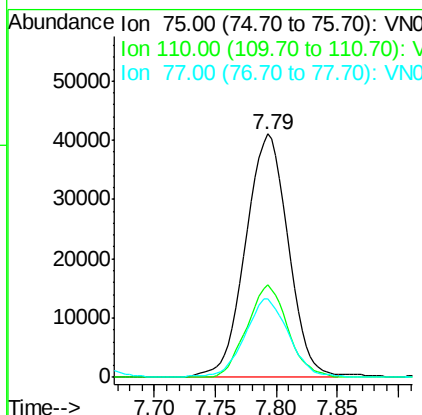
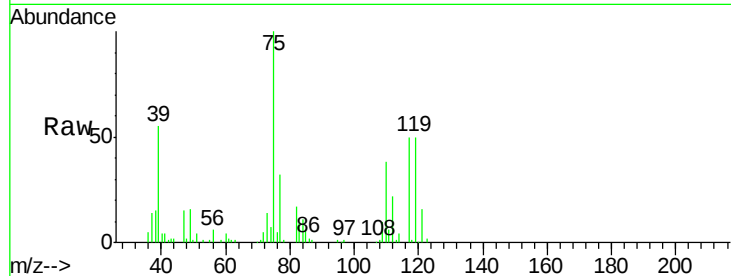




#29
 1,1-Dichloropropene
 Concen: 8.920 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

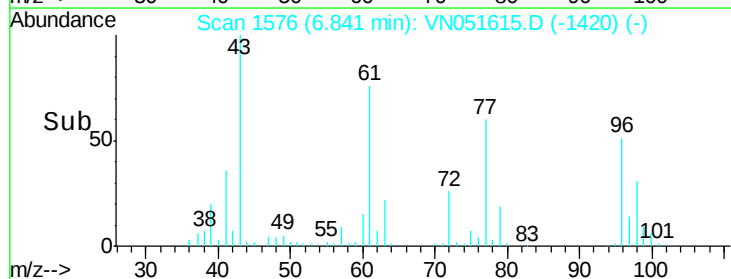
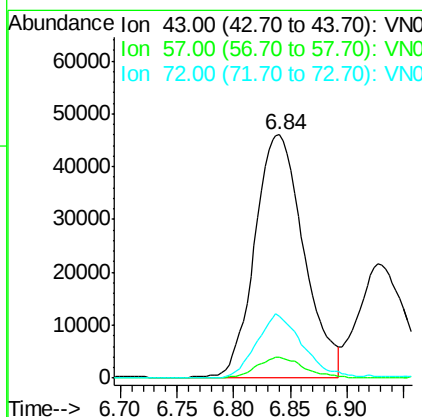
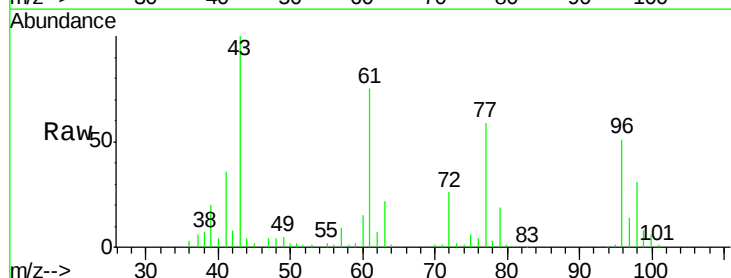
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

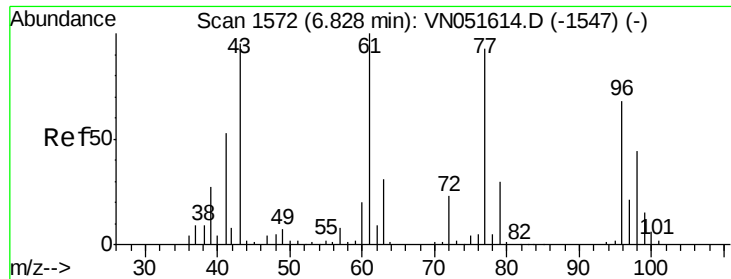
Tgt Ion: 75 Resp: 99497
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 71.0
 77 32.9 0.0 62.4



#30
 2-Butanone
 Concen: 45.745 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion: 43 Resp: 138875
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.6 10.0
 72 24.8 20.8 31.2

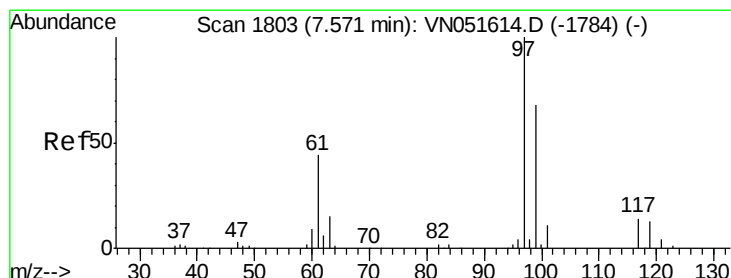
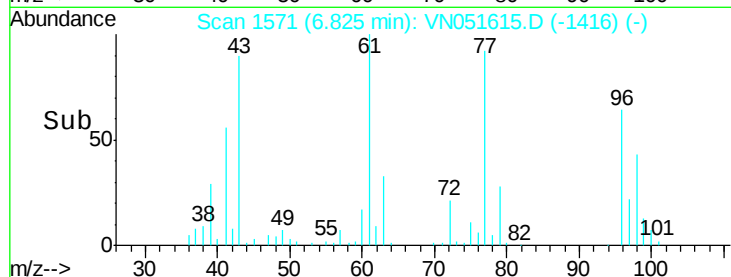
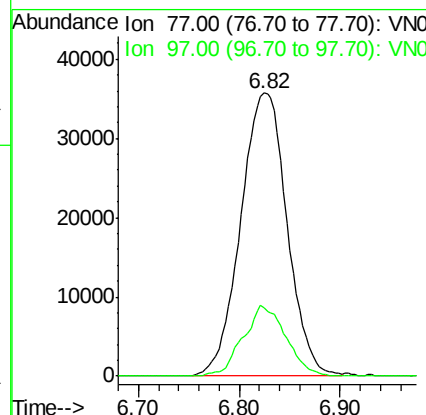
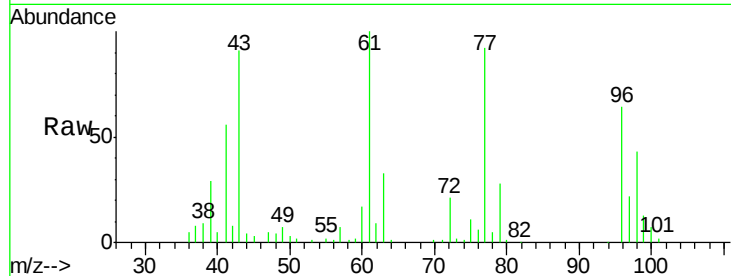




#31
 2,2-Dichloropropane
 Concen: 9.463 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

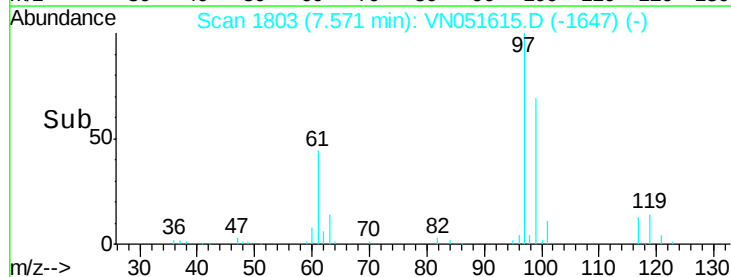
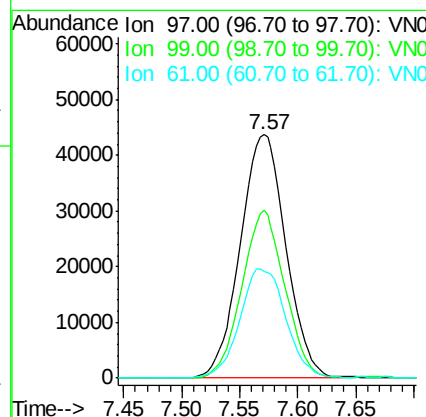
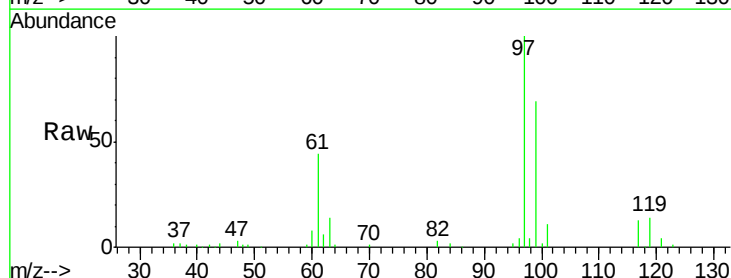
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

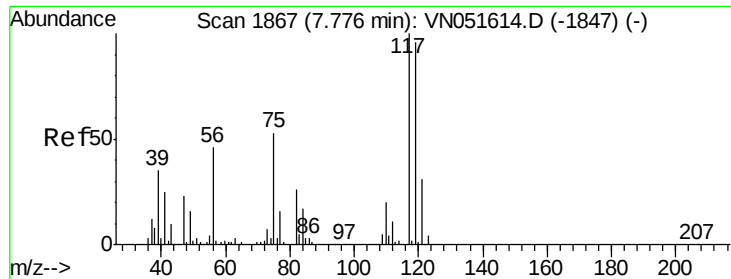
Tgt Ion: 77 Resp: 113922
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.6 28.0



#32
 1,1,1-Trichloroethane
 Concen: 9.558 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion: 97 Resp: 119785
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.2 78.4
 61 45.3 36.2 54.4

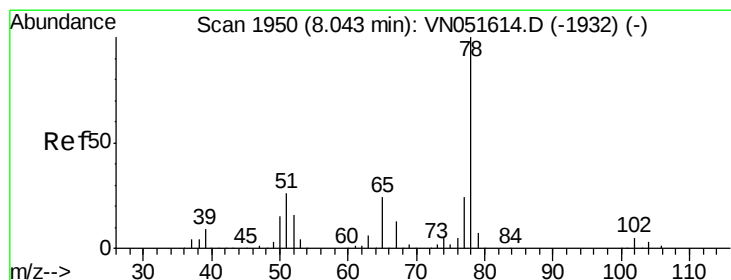
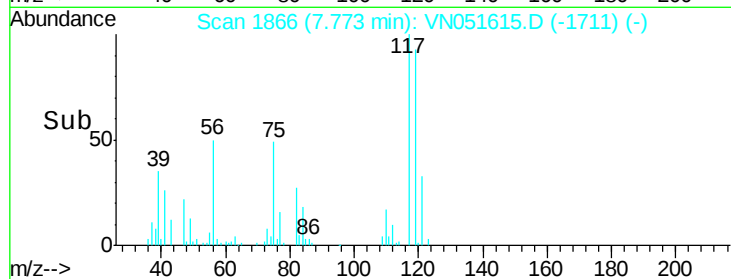
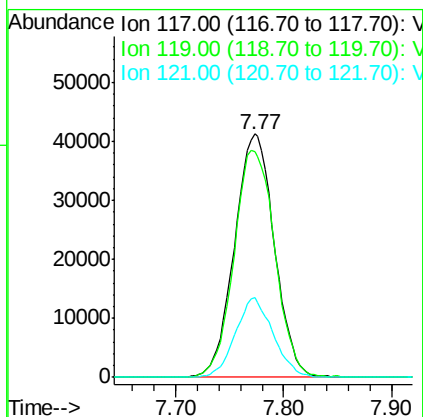
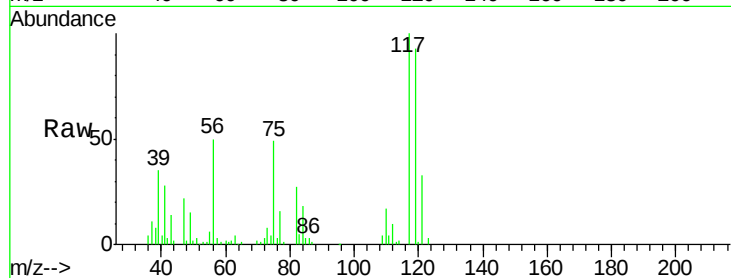




#33
Carbon Tetrachloride
Concen: 9.427 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

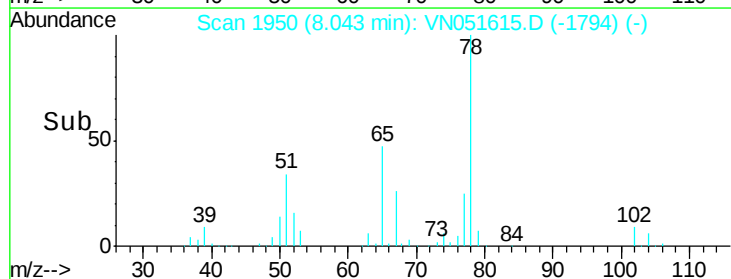
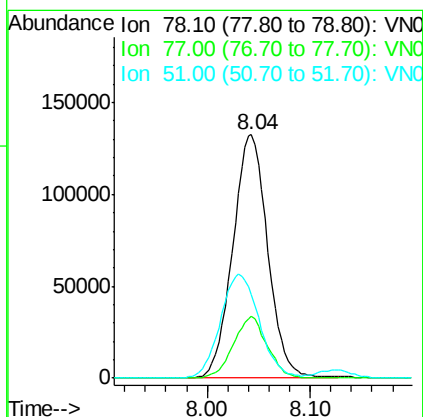
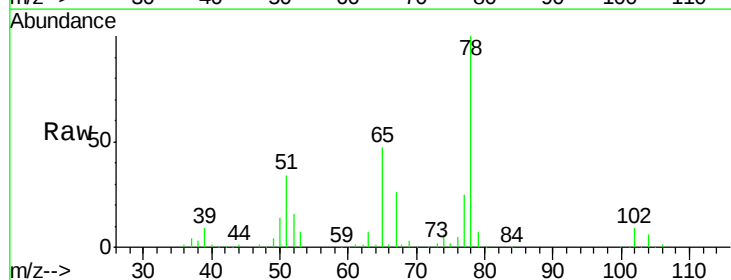
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

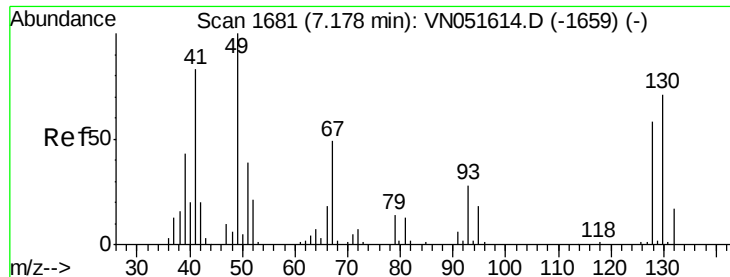
Tgt Ion: 117 Resp: 106186
Ion Ratio Lower Upper
117 100
119 92.9 76.5 114.7
121 32.9 25.0 37.6



#34
Benzene
Concen: 9.443 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 78 Resp: 312508
Ion Ratio Lower Upper
78 100
77 25.3 19.3 28.9
51 33.7 20.8 31.2#

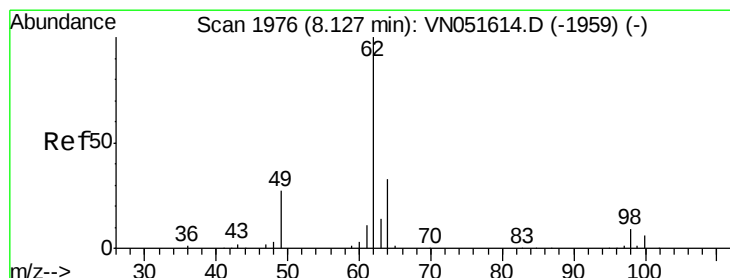
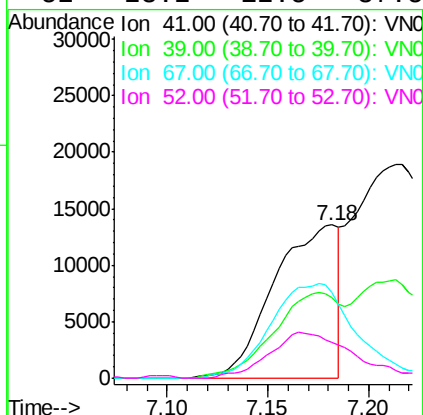
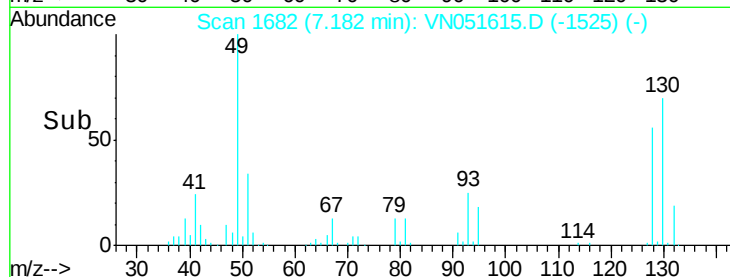
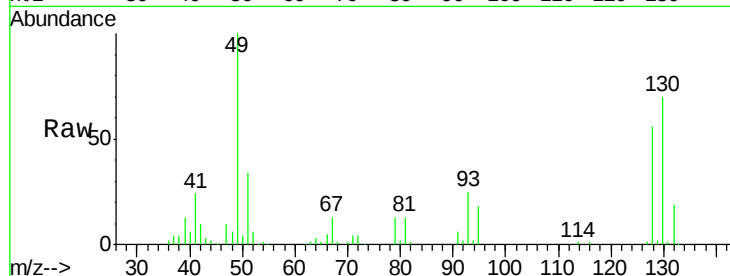




#35
Methacrylonitrile
Concen: 8.490 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

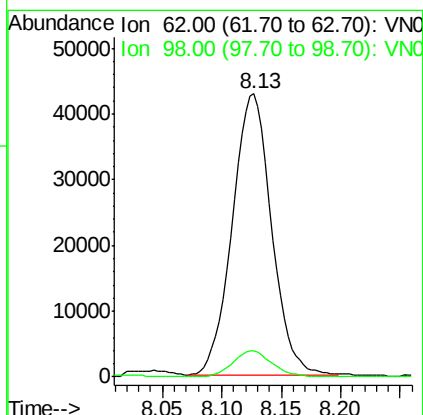
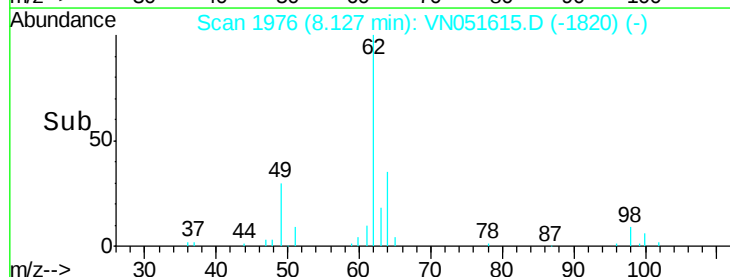
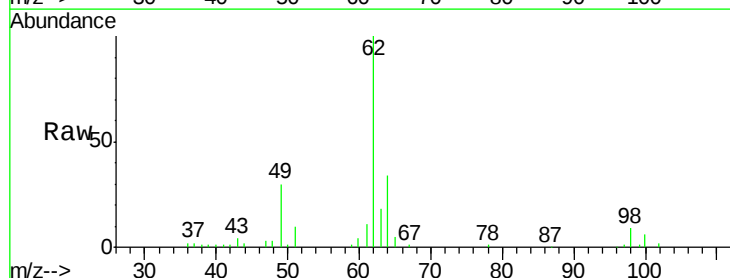
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

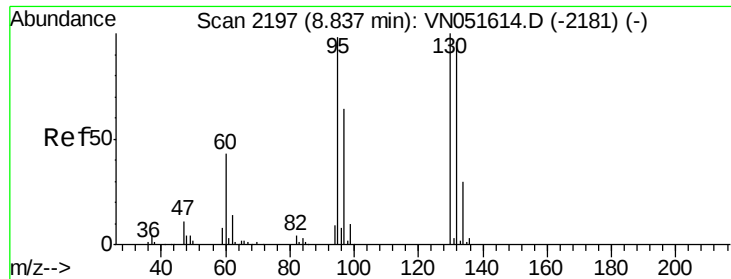
Tgt Ion: 41 Resp: 29875
Ion Ratio Lower Upper
41 100
39 52.8 25.6 76.8
67 55.9 29.4 88.2
52 23.2 12.5 37.5



#36
1,2-Dichloroethane
Concen: 9.243 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 62 Resp: 97502
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#37

Trichloroethene

Concen: 9.431 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

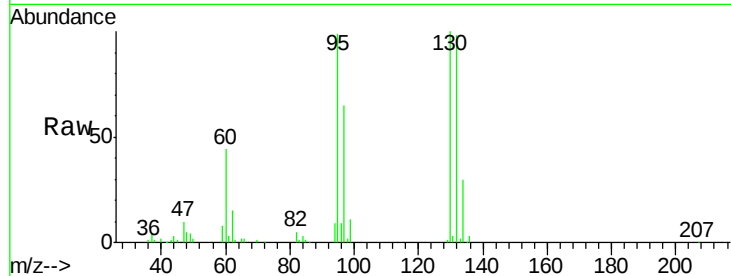
VSTDIC010

Tgt Ion:130 Resp: 80132

Ion Ratio Lower Upper

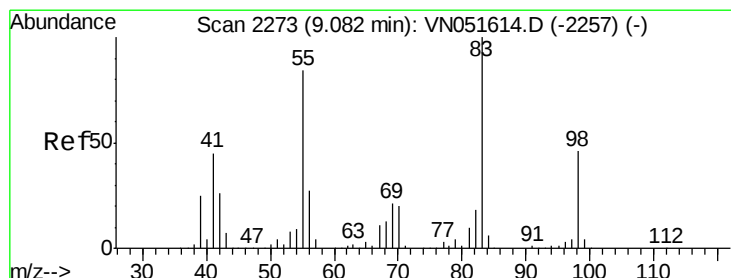
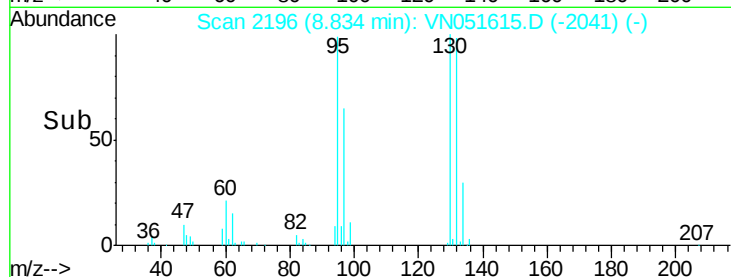
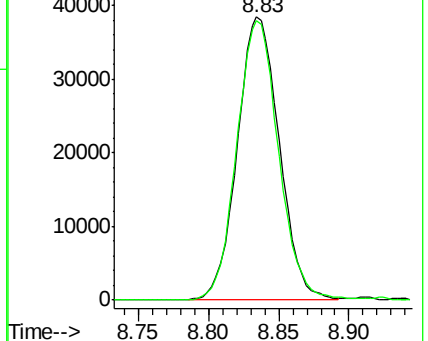
130 100

95 99.0 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO



#38

Methylcyclohexane

Concen: 8.613 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

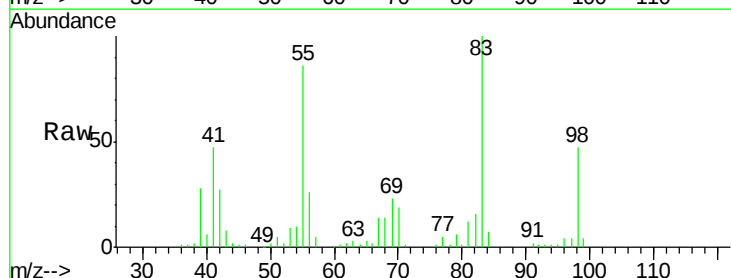
Tgt Ion: 83 Resp: 110863

Ion Ratio Lower Upper

83 100

55 86.9 41.6 124.9

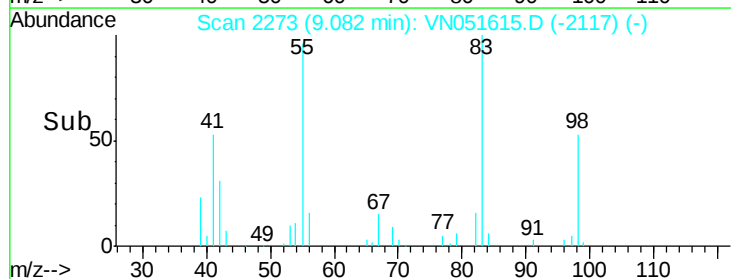
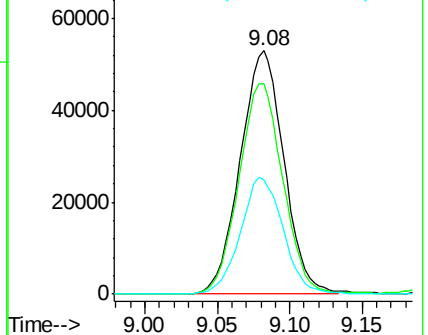
98 47.2 23.1 69.2

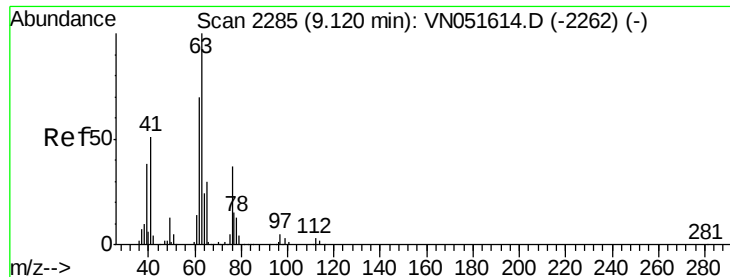


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 9.341 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

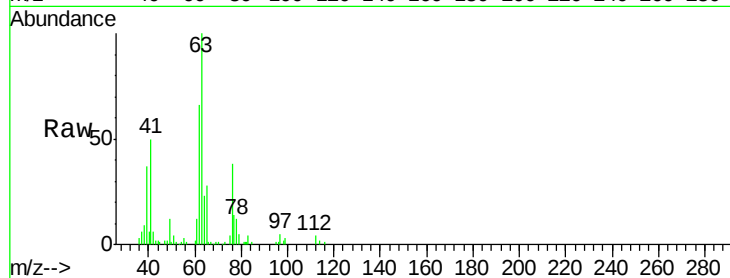
VSTDIC010

Tgt Ion: 63 Resp: 84701

Ion Ratio Lower Upper

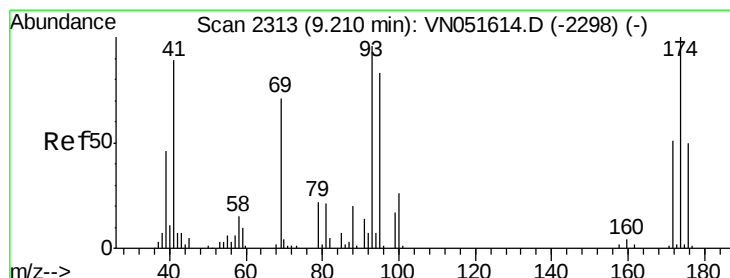
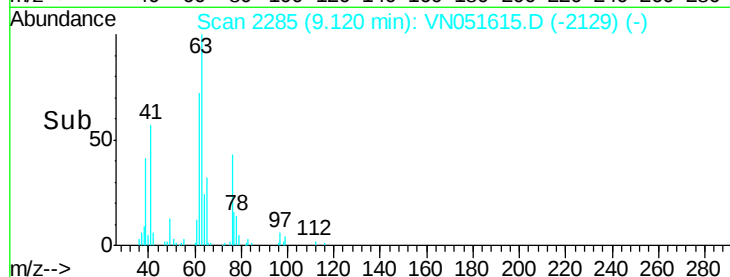
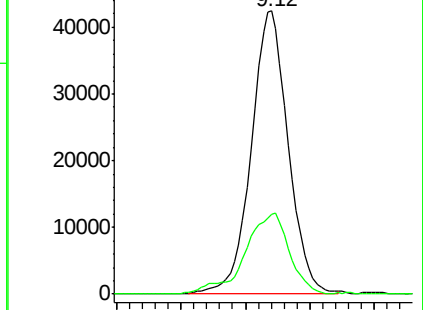
63 100

65 28.0 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-2262) (-)

Ion 65.00 (64.70 to 65.70): VN051614.D (-2262) (-)



#40

Dibromomethane

Concen: 9.324 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

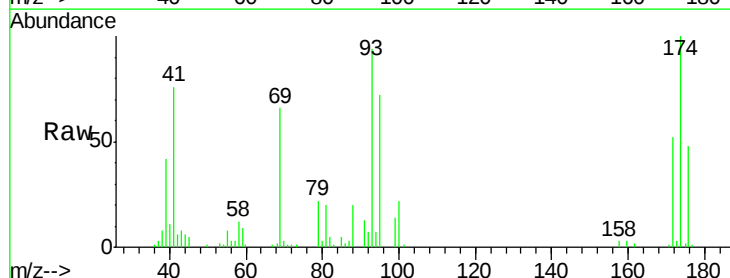
Tgt Ion: 93 Resp: 46968

Ion Ratio Lower Upper

93 100

95 83.8 0.0 171.0

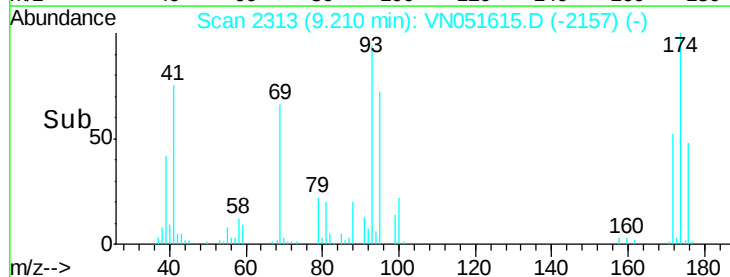
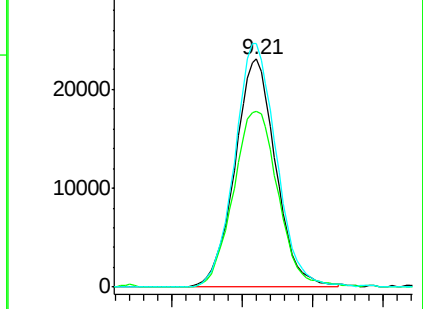
174 108.3 0.0 212.0

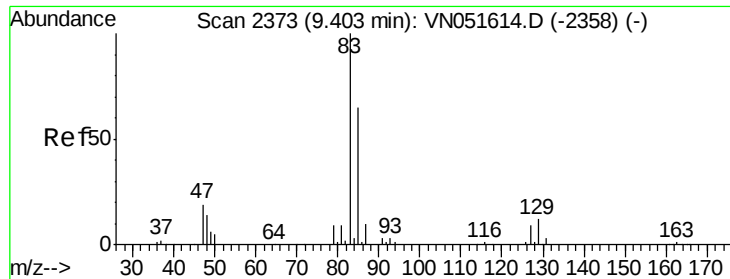


Abundance Ion 93.00 (92.70 to 93.70): VN051614.D (-2298) (-)

Ion 95.00 (94.70 to 95.70): VN051614.D (-2298) (-)

Ion 174.00 (173.70 to 174.70): VN051614.D (-2298) (-)





#41

Bromodichloromethane

Concen: 9.320 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

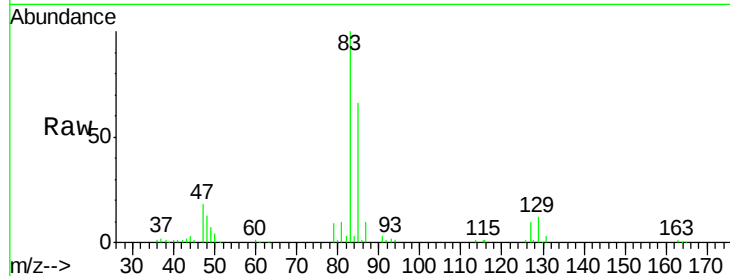
Tgt Ion: 83 Resp: 102483

Ion Ratio Lower Upper

83 100

85 66.4 52.1 78.1

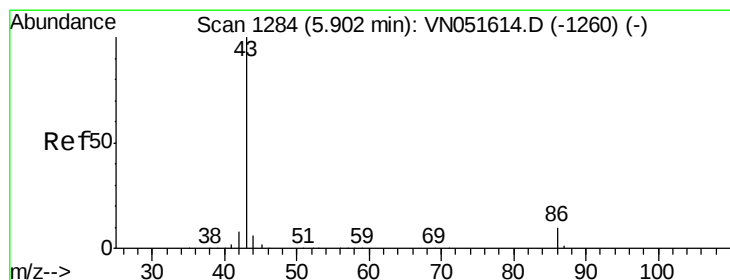
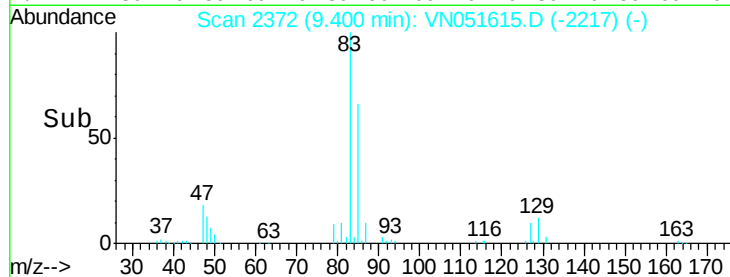
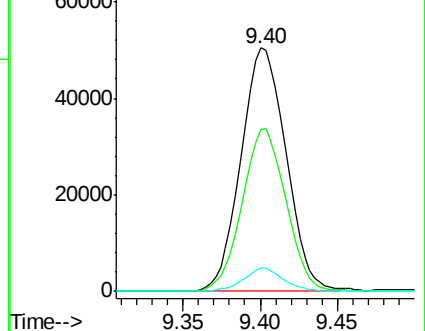
127 9.5 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 43.231 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051615.D

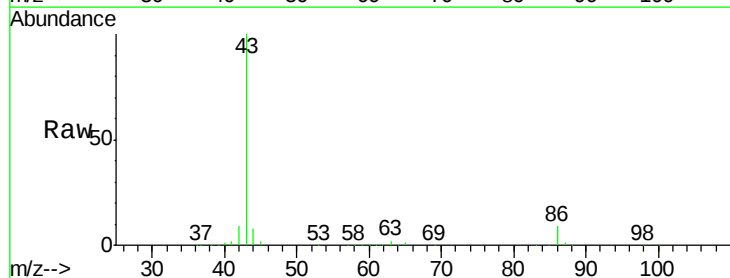
Acq: 28 Sep 2018 13:23

Tgt Ion: 43 Resp: 730649

Ion Ratio Lower Upper

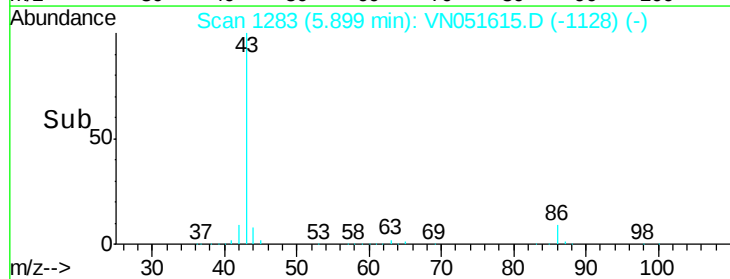
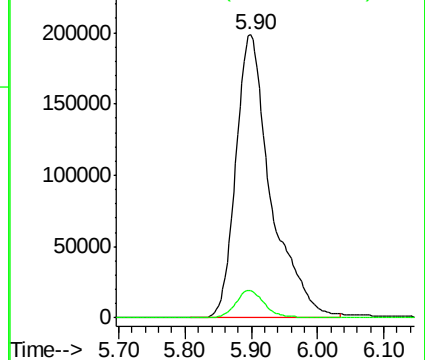
43 100

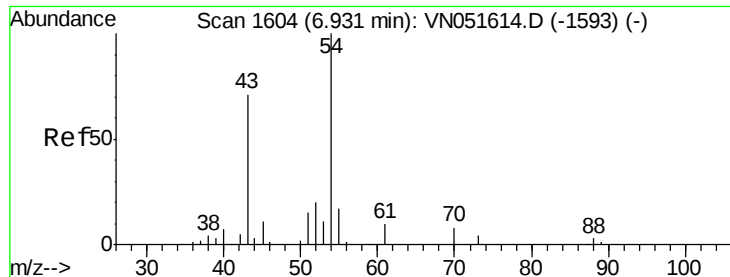
86 7.9 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 9.610 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

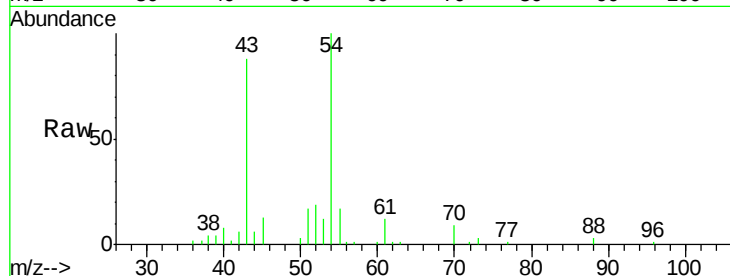
VSTDIC010

Tgt Ion: 43 Resp: 61752

Ion Ratio Lower Upper

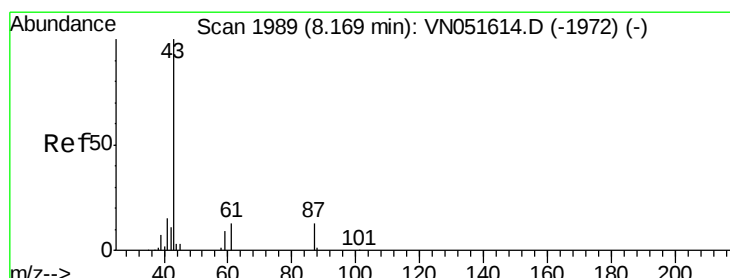
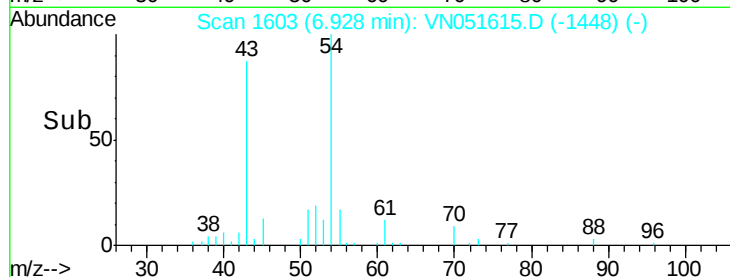
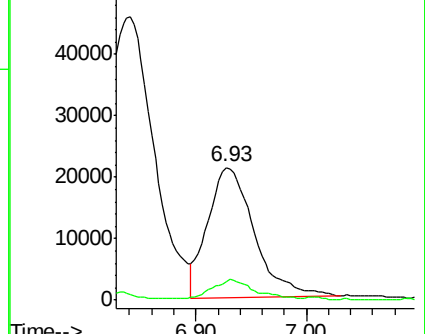
43 100

45 15.4 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 8.991 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.01 min

Lab File: VN051615.D

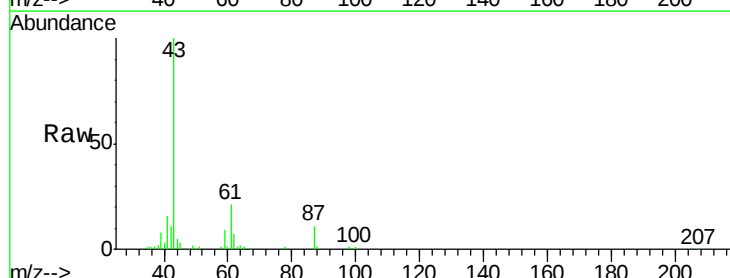
Acq: 28 Sep 2018 13:23

Tgt Ion: 43 Resp: 113120

Ion Ratio Lower Upper

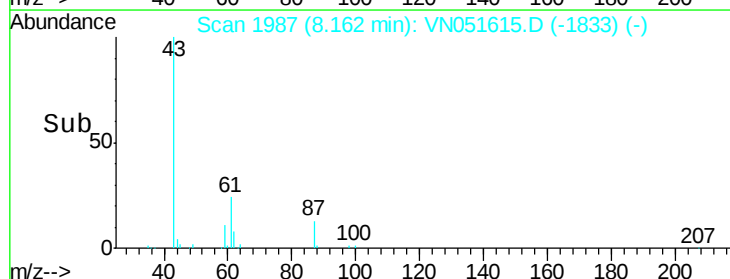
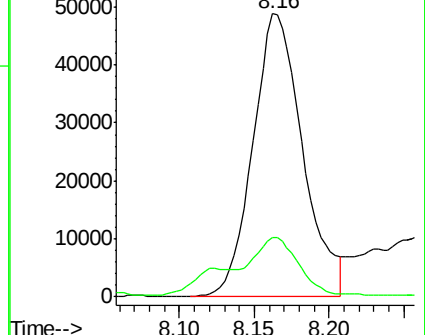
43 100

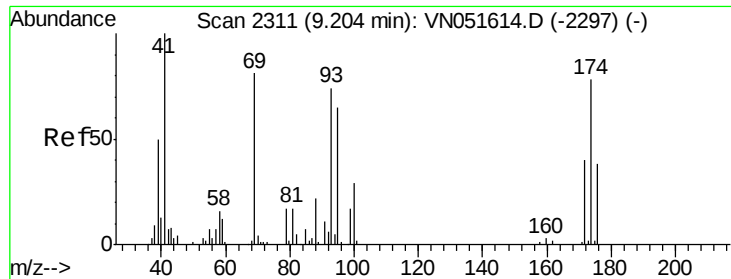
61 17.2 15.4 23.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

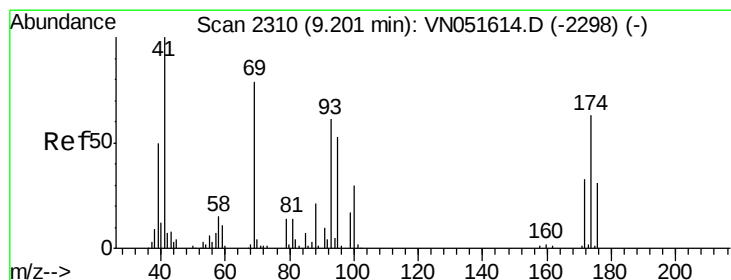
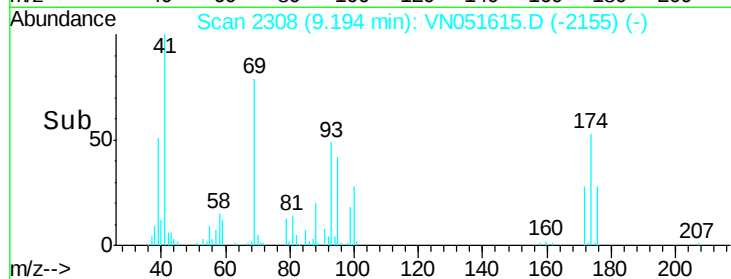
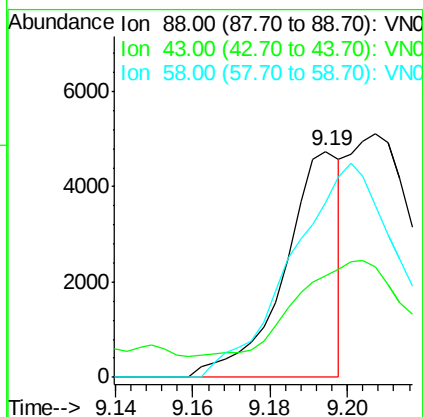
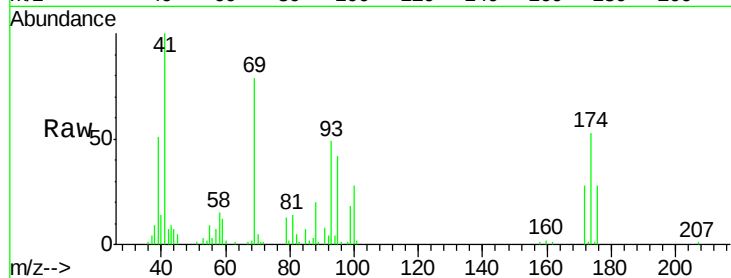




#45
1,4-Dioxane
Concen: 70.676 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

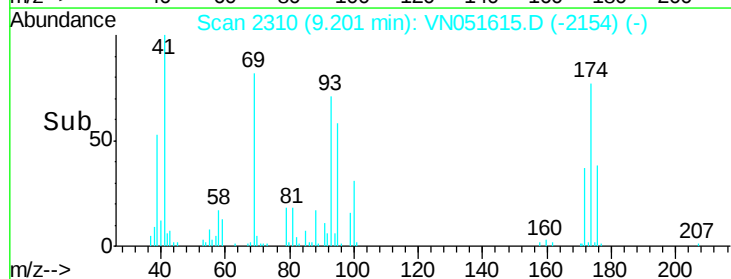
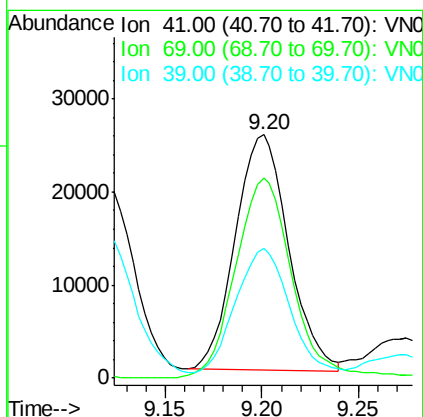
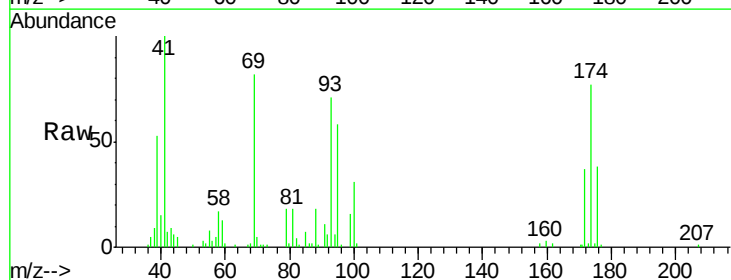
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

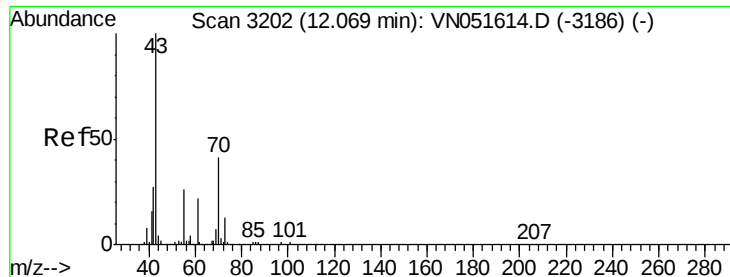
Tgt Ion: 88 Resp: 4804
Ion Ratio Lower Upper
88 100
43 82.1 29.0 43.6#
58 187.1 59.0 88.6#



#46
Methyl methacrylate
Concen: 8.301 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 41 Resp: 48585
Ion Ratio Lower Upper
41 100
69 84.3 39.6 118.7
39 52.8 24.9 74.6

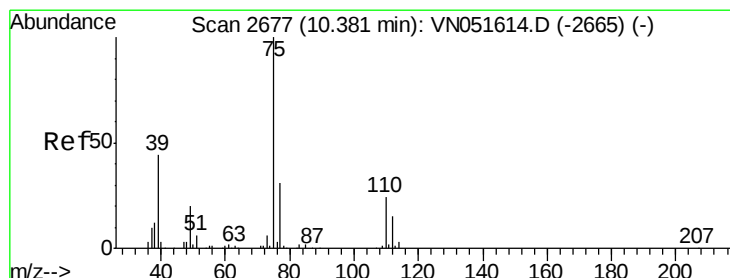
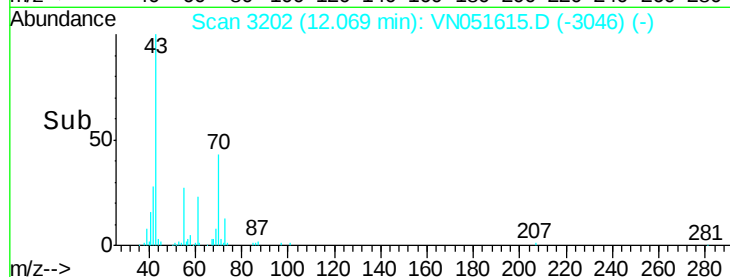
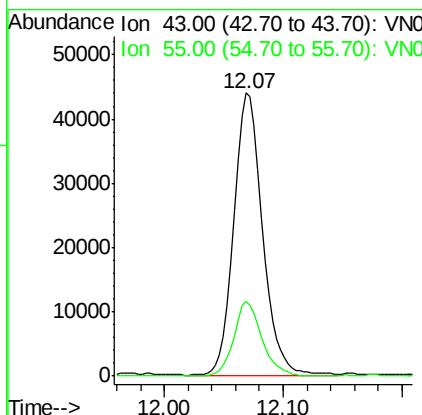
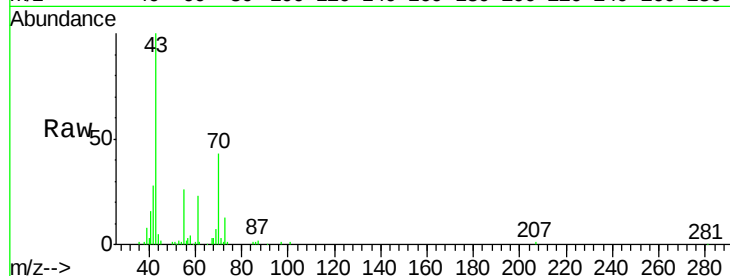




#47
n-amyl Acetate
Concen: 7.793 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

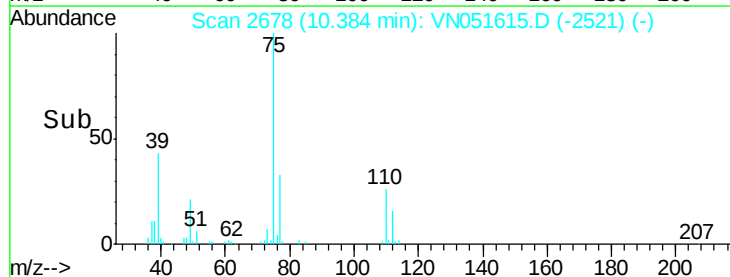
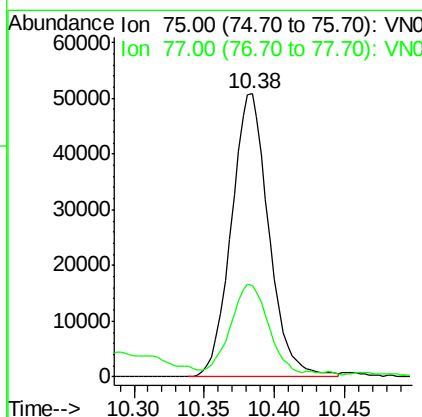
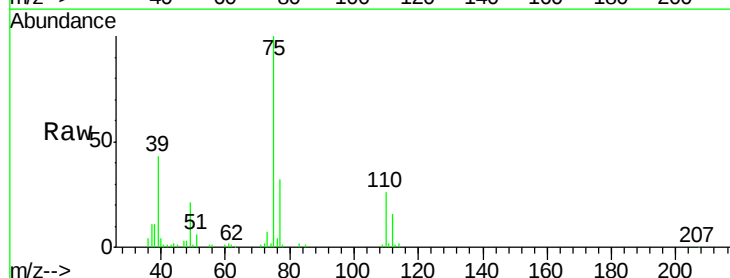
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

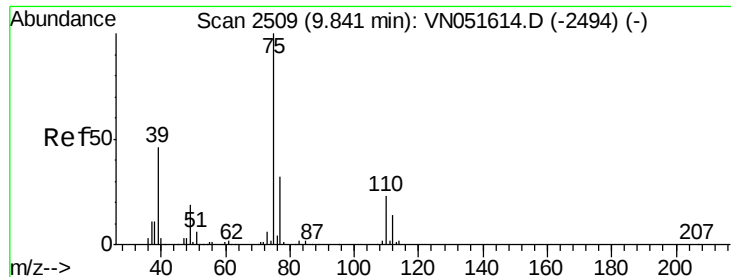
Tgt Ion: 43 Resp: 73365
Ion Ratio Lower Upper
43 100
55 25.9 21.5 32.3



#48
t-1,3-Dichloropropene
Concen: 8.614 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 75 Resp: 94534
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0



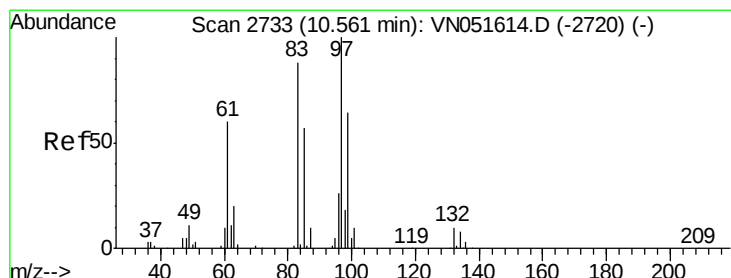
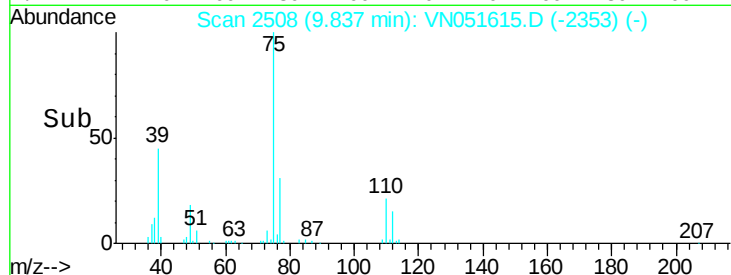
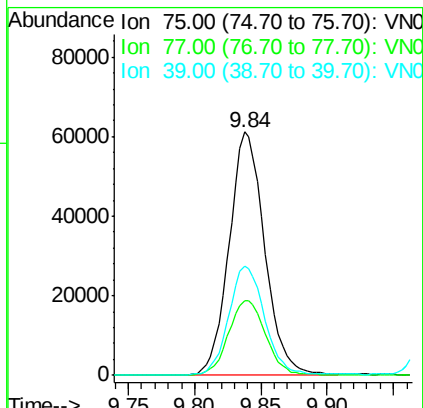
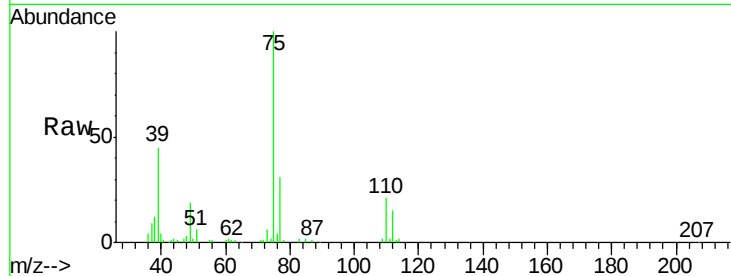


#49

cis-1,3-Dichloropropene
 Concen: 8.903 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

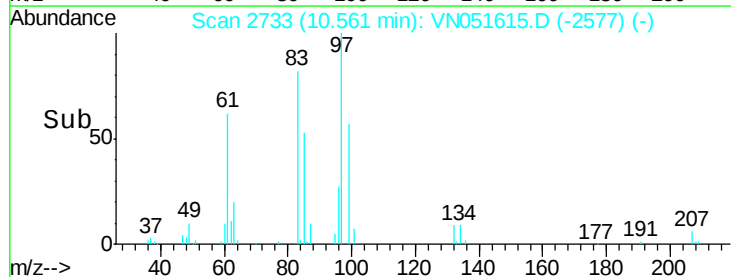
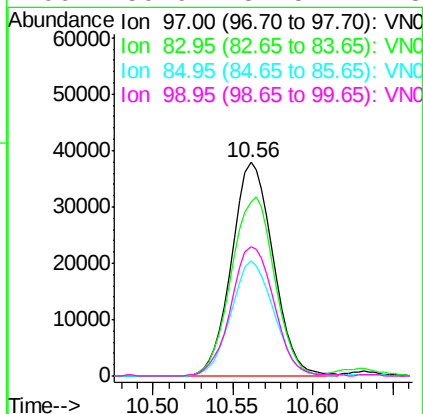
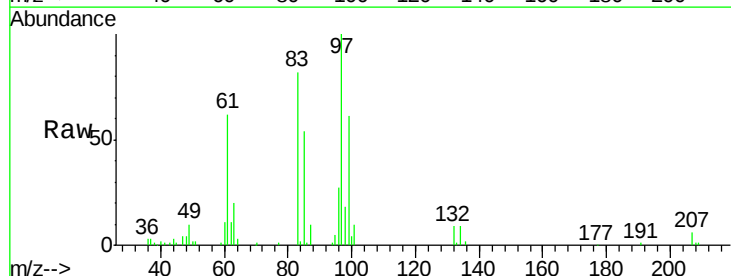
Tgt Ion: 75 Resp: 114231
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.0
 39 44.7 36.6 55.0

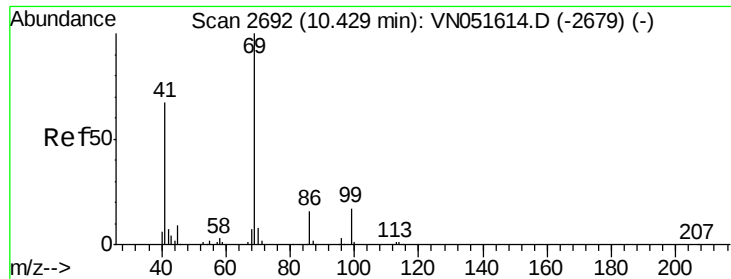


#50

1,1,2-Trichloroethane
 Concen: 9.466 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion: 97 Resp: 67382
 Ion Ratio Lower Upper
 97 100
 83 81.7 70.2 105.2
 85 54.0 45.6 68.4
 99 59.9 51.5 77.3





#51

Ethyl methacrylate

Concen: 8.296 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

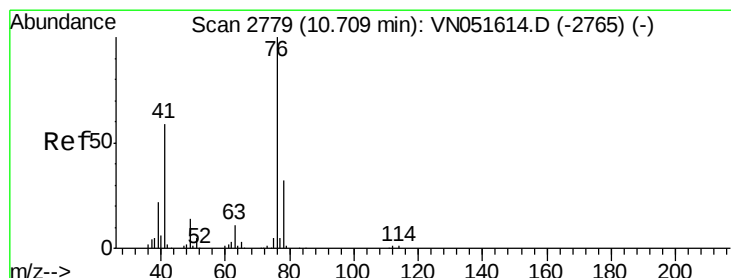
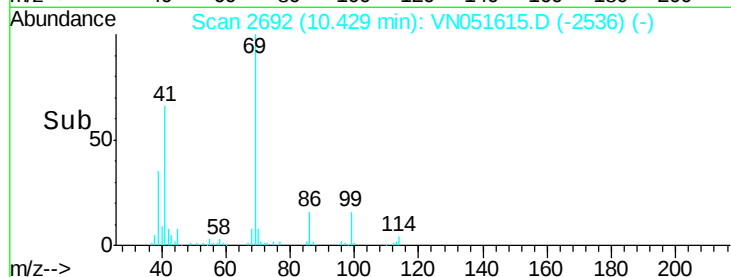
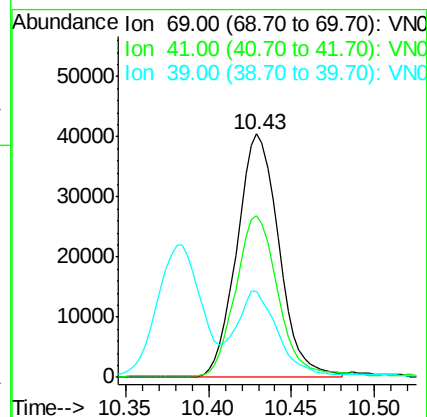
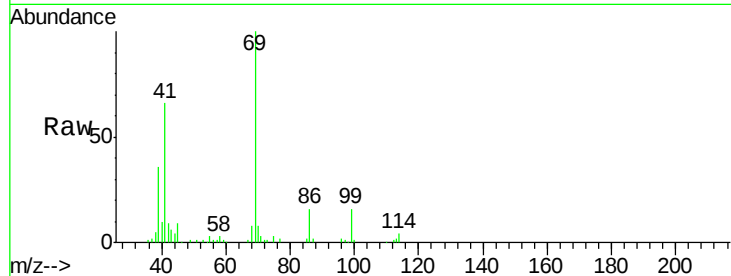
Tgt Ion: 69 Resp: 71650

Ion Ratio Lower Upper

69 100

41 65.8 33.3 99.8

39 34.5 17.2 51.6



#52

1,3-Dichloropropane

Concen: 9.147 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051615.D

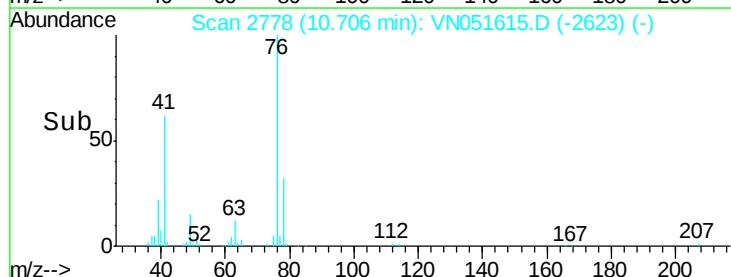
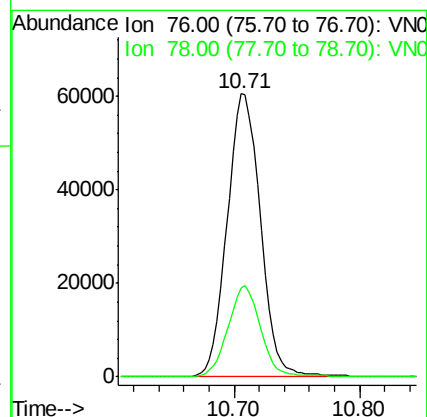
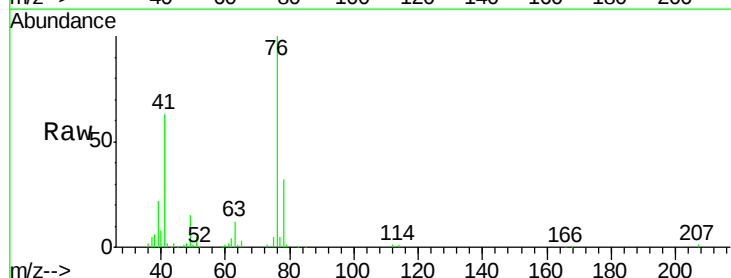
Acq: 28 Sep 2018 13:23

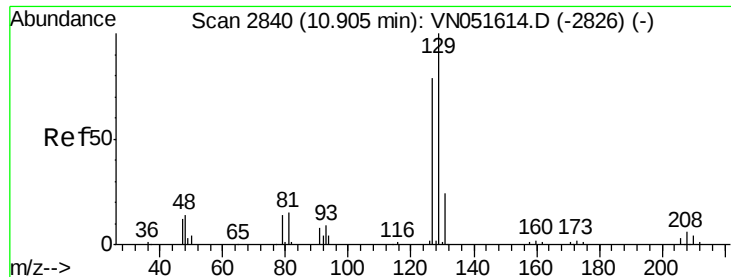
Tgt Ion: 76 Resp: 111647

Ion Ratio Lower Upper

76 100

78 31.3 0.0 63.4





#53

Dibromochloromethane

Concen: 9.070 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

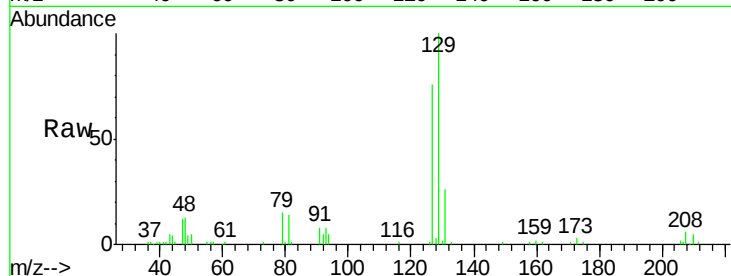
VSTDIC010

Tgt Ion:129 Resp: 73535

Ion Ratio Lower Upper

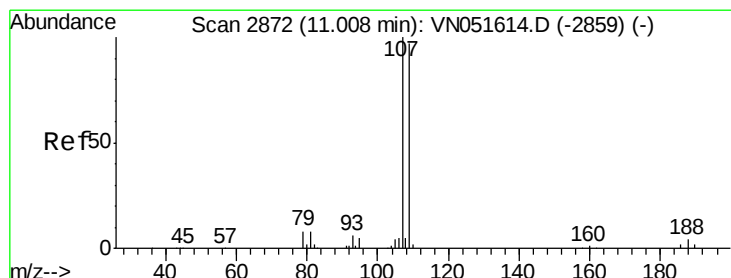
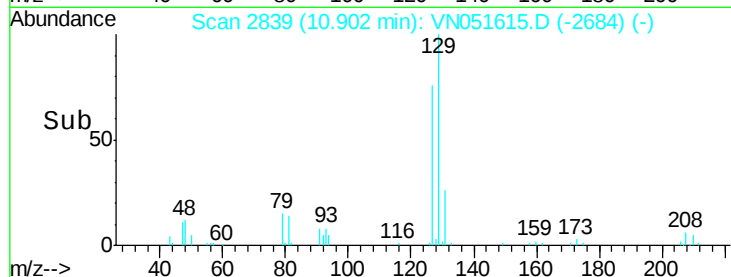
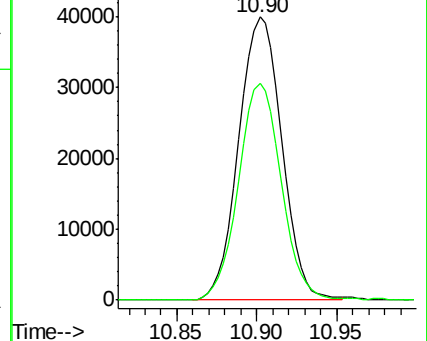
129 100

127 75.7 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 9.082 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051615.D

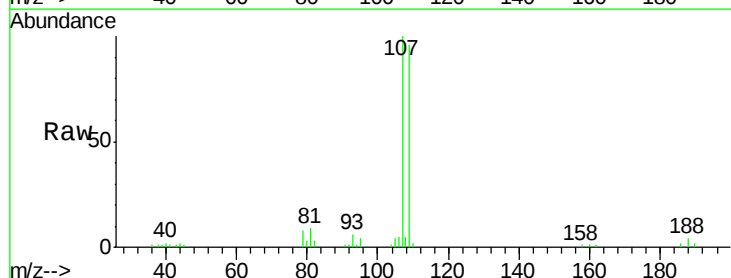
Acq: 28 Sep 2018 13:23

Tgt Ion:107 Resp: 62034

Ion Ratio Lower Upper

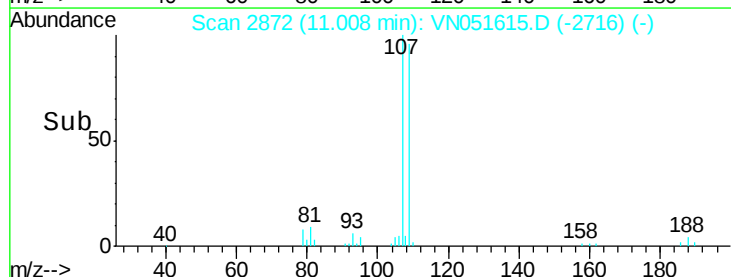
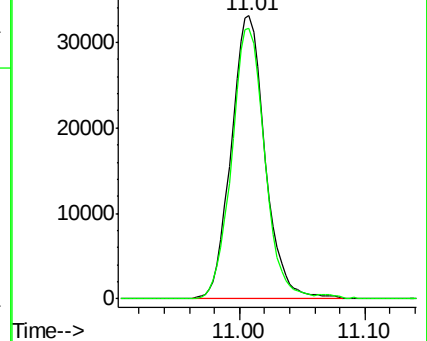
107 100

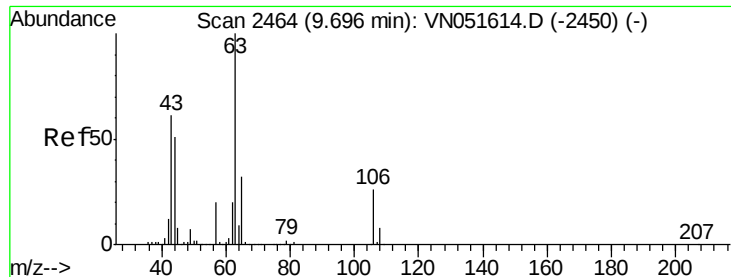
109 93.3 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

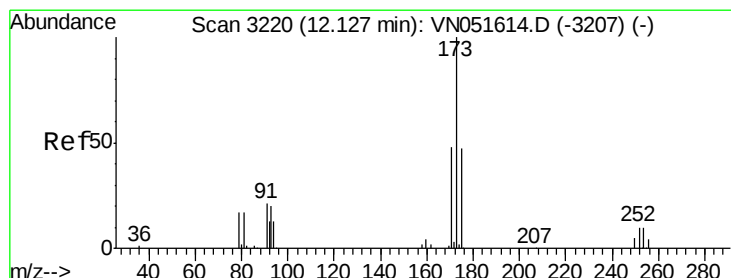
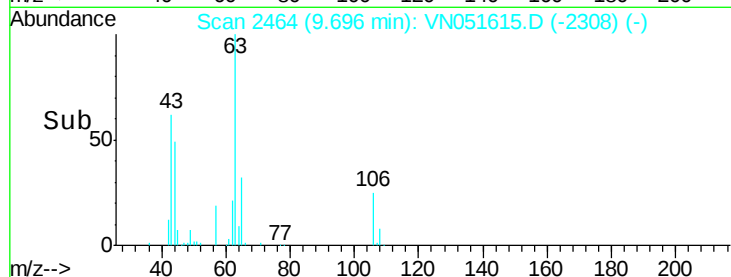
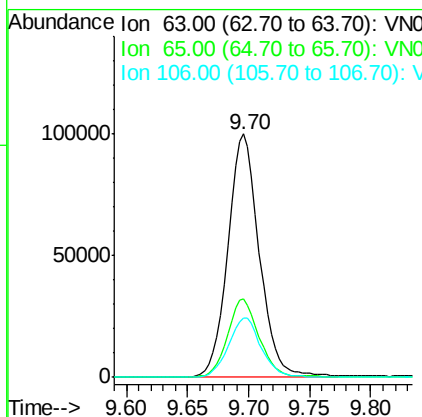
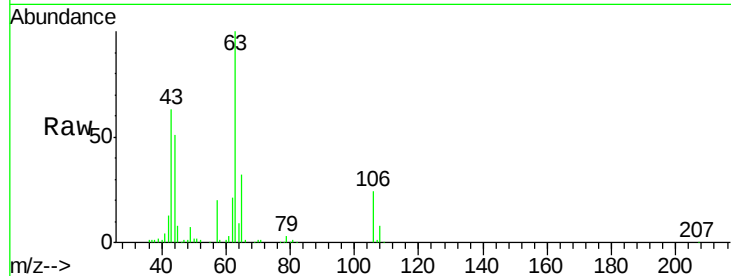




#55
 2-Chloroethyl vinyl ether
 Concen: 42.240 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

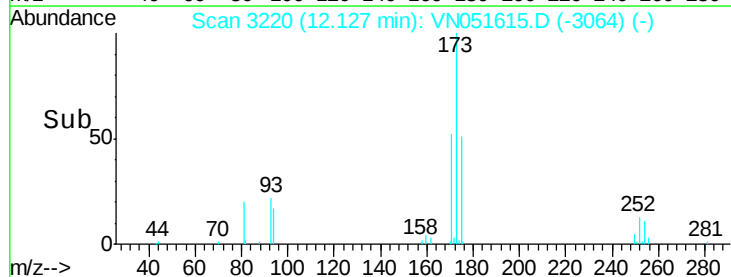
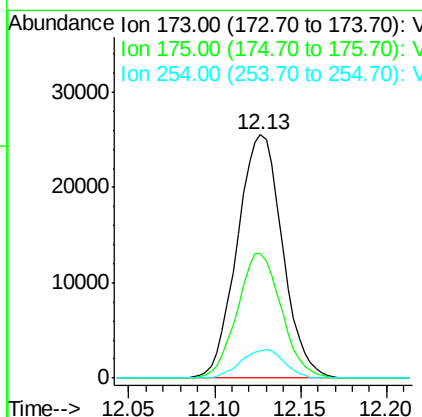
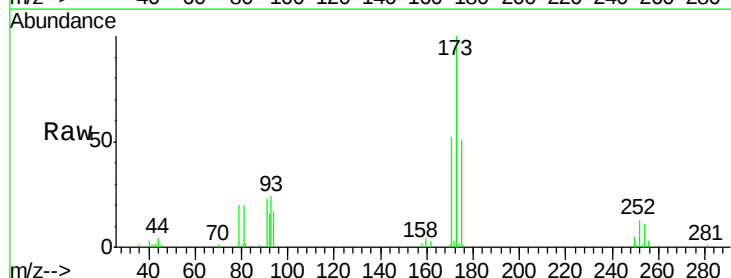
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

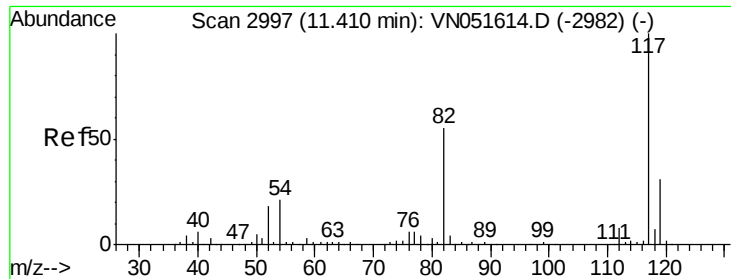
Tgt Ion: 63 Resp: 180324
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.8 38.6
 106 25.2 20.4 30.6



#56
 Bromoform
 Concen: 8.651 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion: 173 Resp: 46540
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.0 58.4
 254 11.2 8.7 13.1

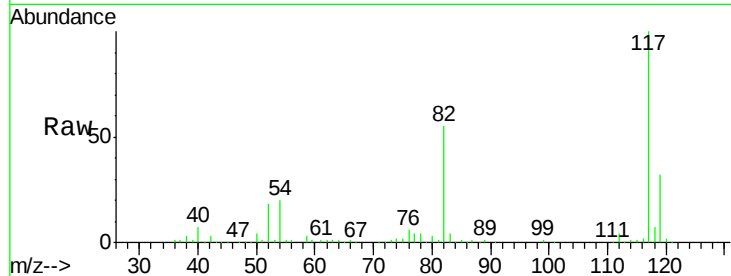




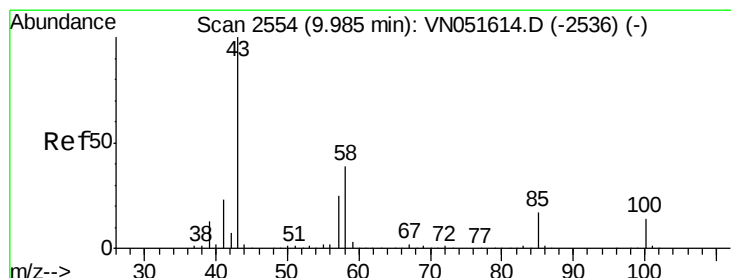
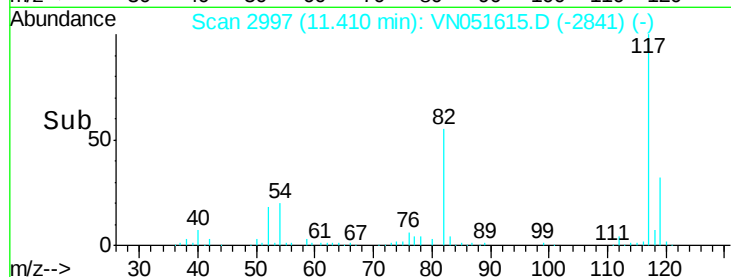
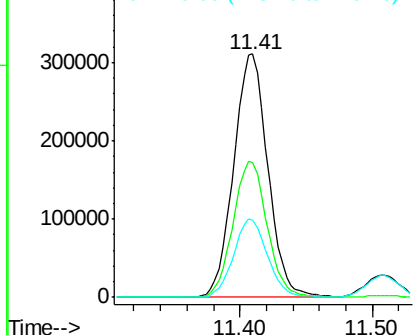
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Tgt Ion: 117 Resp: 556995
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 32.0 25.2 37.8

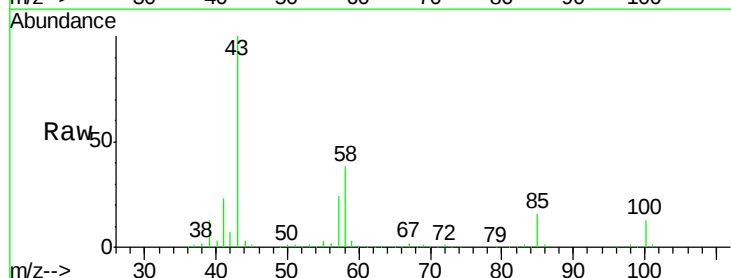


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

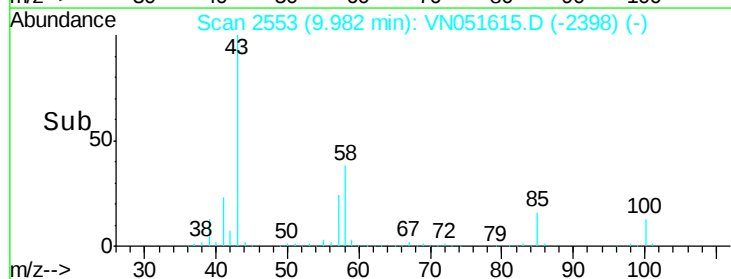
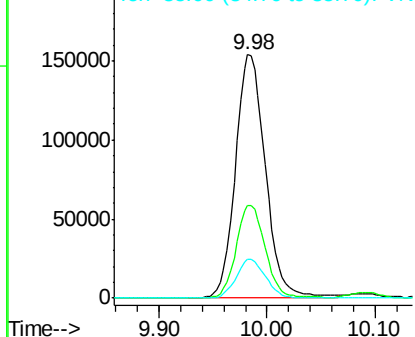


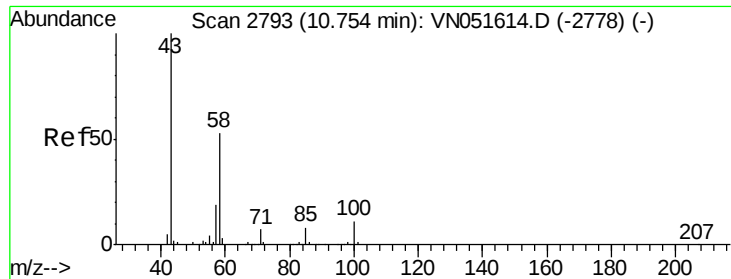
#58
4-Methyl-2-Pentanone
Concen: 46.820 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion: 43 Resp: 296088
Ion Ratio Lower Upper
43 100
58 37.3 31.0 46.4
85 15.7 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

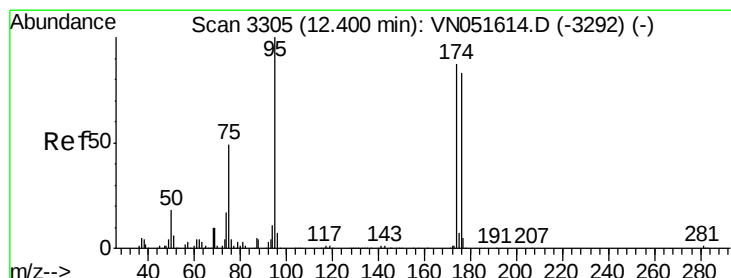
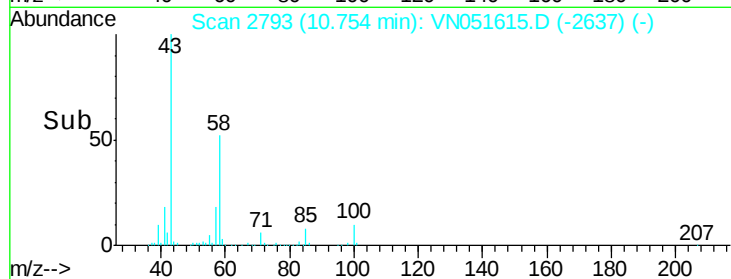
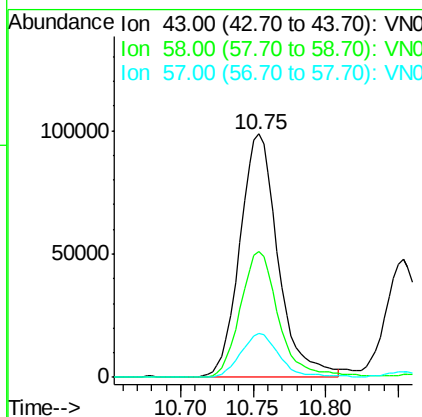
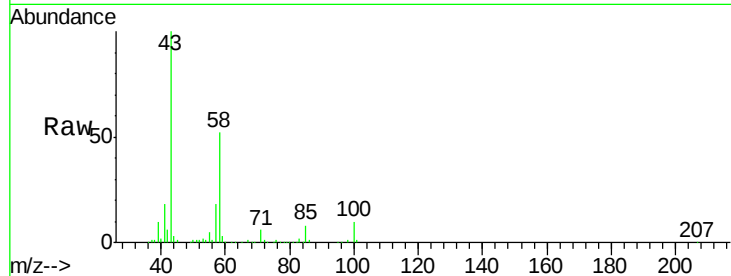




#59
2-Hexanone
Concen: 43.351 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

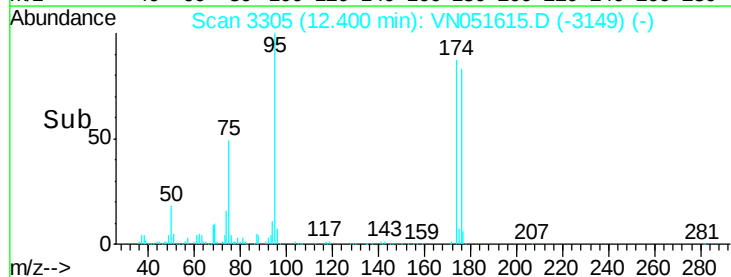
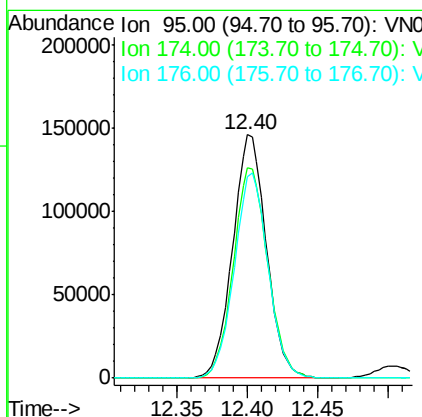
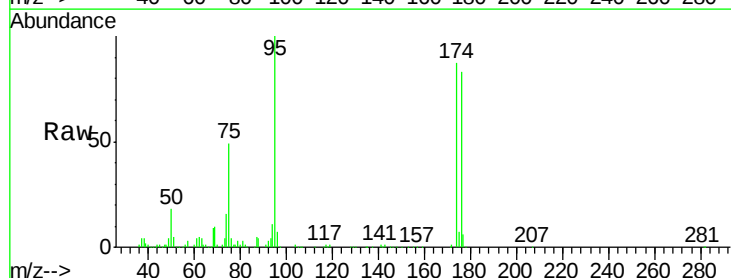
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

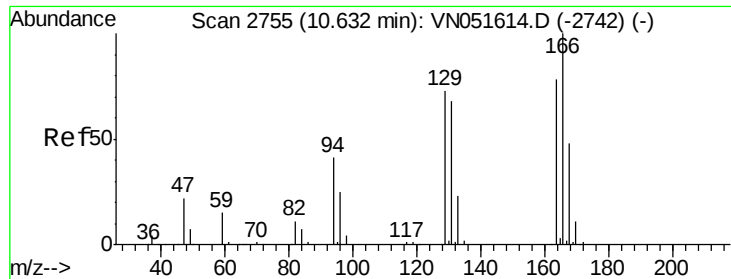
Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.3	41.5	62.3
57	18.4	14.2	21.4



#60
4-Bromofluorobenzene
Concen: 43.351 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	71.2	106.8
176	84.5	67.8	101.8





#61

Tetrachloroethene

Concen: 9.423 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion:164 Resp: 74311

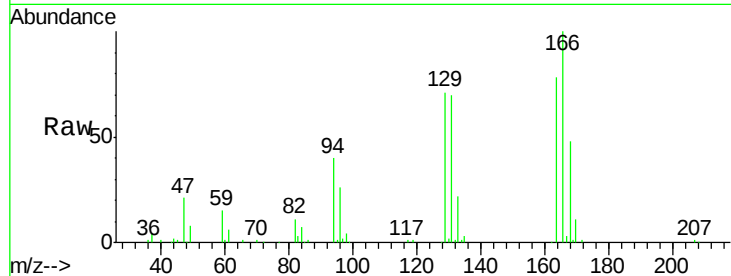
Ion Ratio Lower Upper

164 100

166 128.7 103.1 154.7

129 91.5 75.3 112.9

131 89.8 70.8 106.2

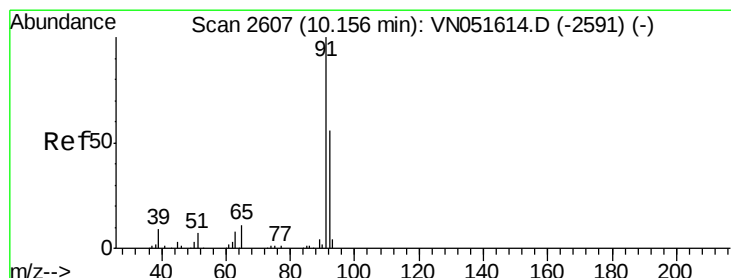
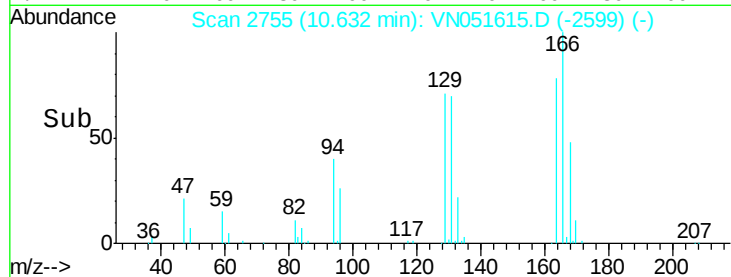
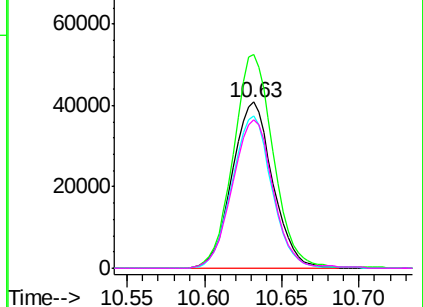


Abundance Ion 163.85 (163.55 to 164.55): V

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: 9.400 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051615.D

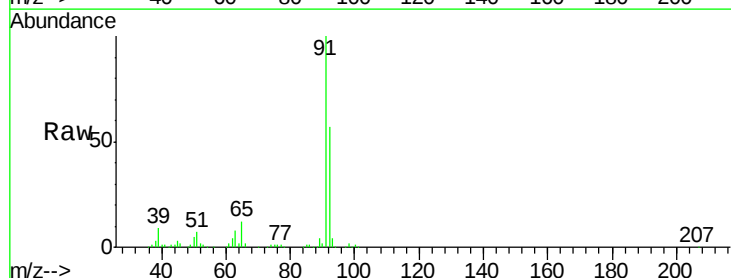
Acq: 28 Sep 2018 13:23

Tgt Ion: 91 Resp: 321057

Ion Ratio Lower Upper

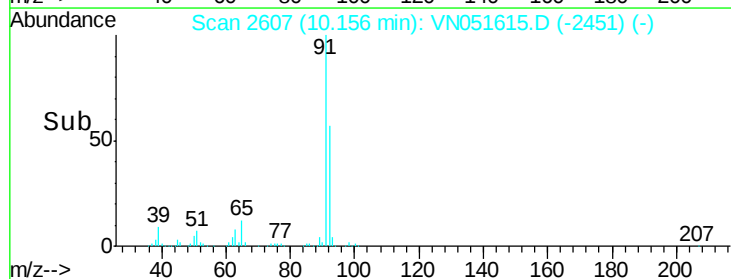
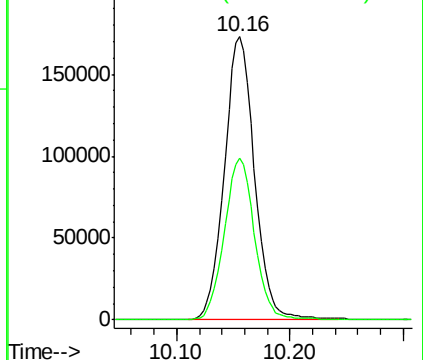
91 100

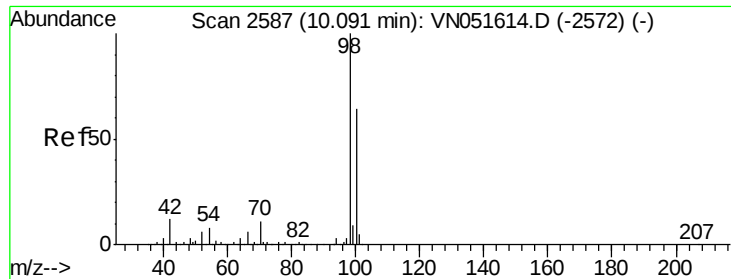
92 56.9 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 9.400 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

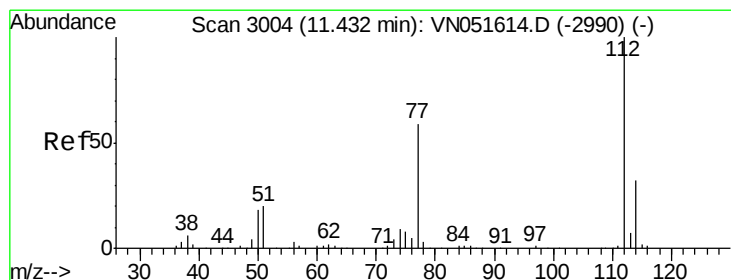
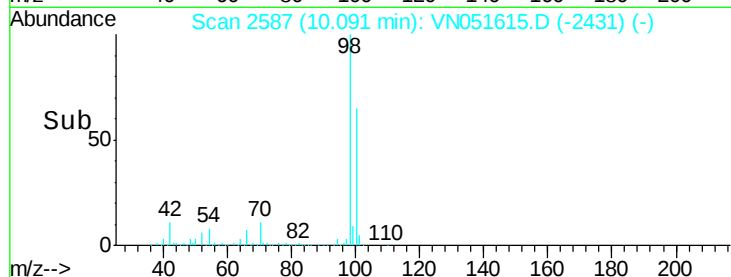
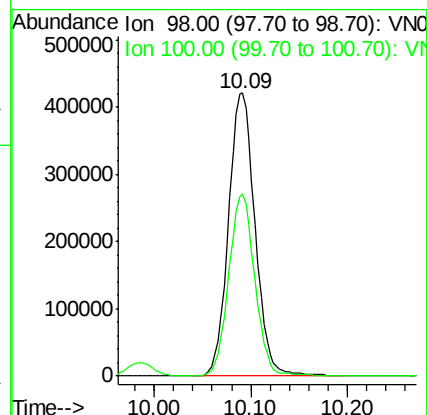
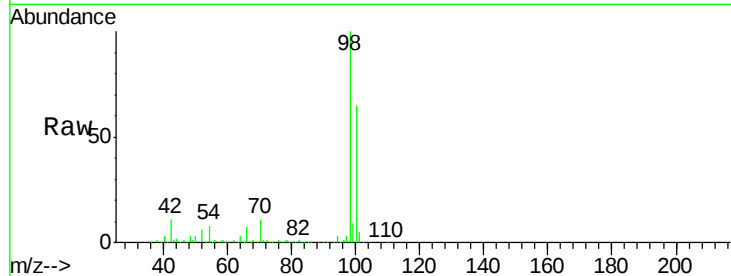
VSTDIC010

Tgt Ion: 98 Resp: 802358

Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.0



#64

Chlorobenzene

Concen: 9.220 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051615.D

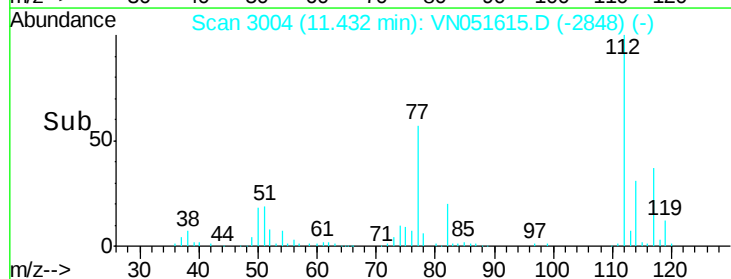
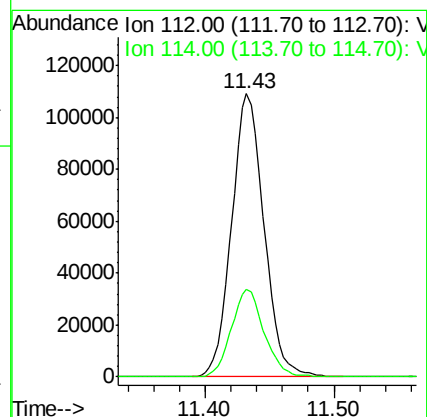
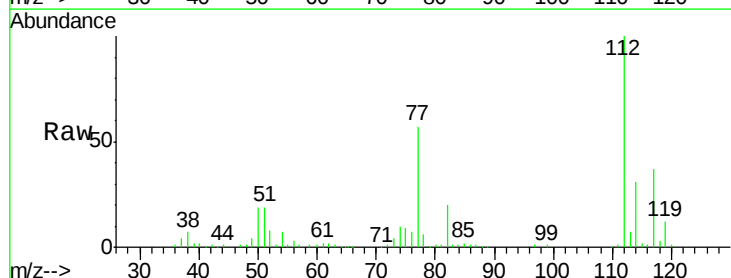
Acq: 28 Sep 2018 13:23

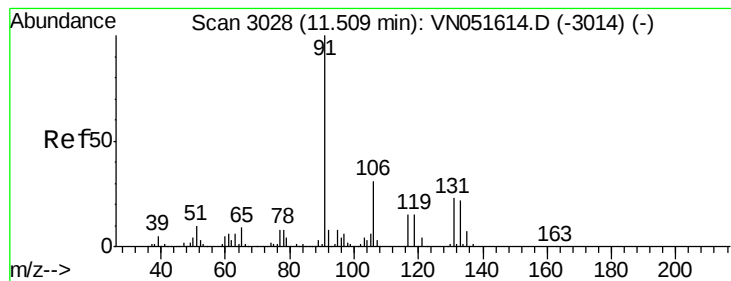
Tgt Ion: 112 Resp: 190397

Ion Ratio Lower Upper

112 100

114 31.1 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 9.242 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

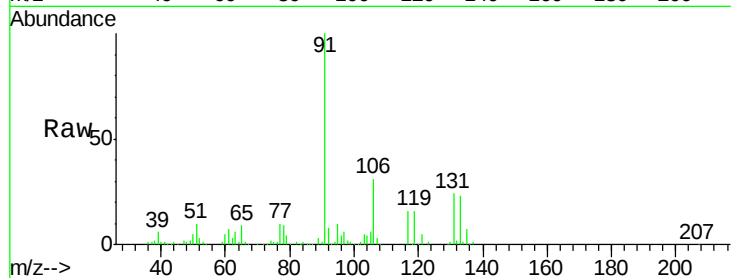
Tgt Ion:131 Resp: 72873

Ion Ratio Lower Upper

131 100

133 97.0 0.0 193.0

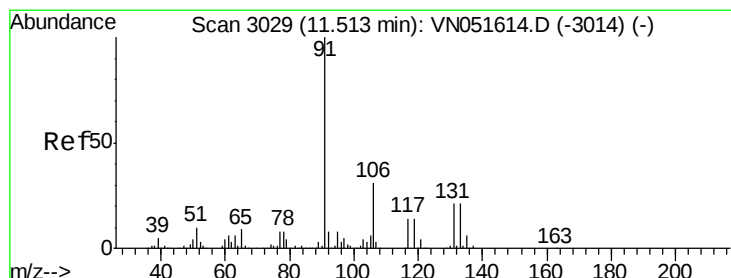
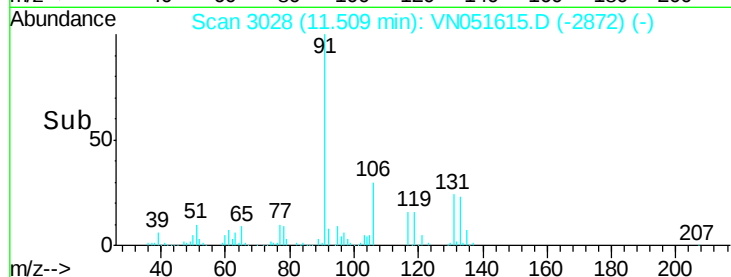
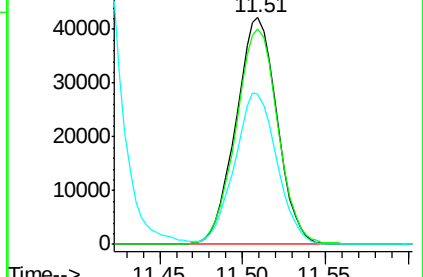
119 68.4 0.0 135.0



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: 8.738 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051615.D

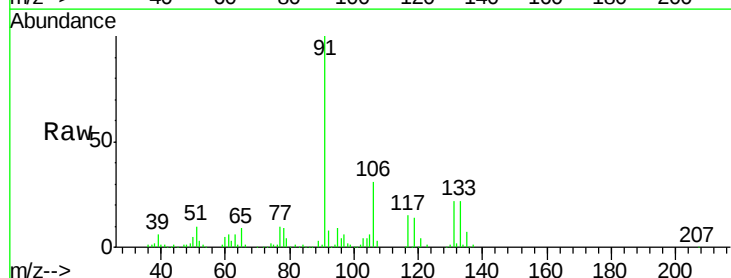
Acq: 28 Sep 2018 13:23

Tgt Ion: 91 Resp: 305445

Ion Ratio Lower Upper

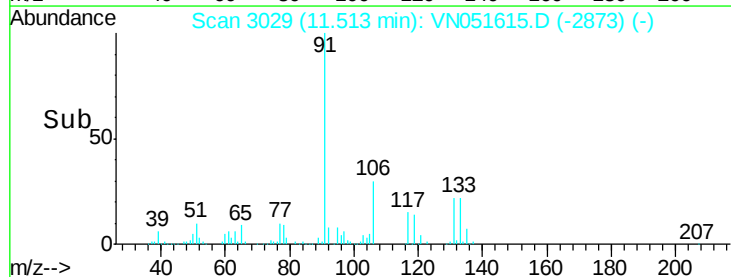
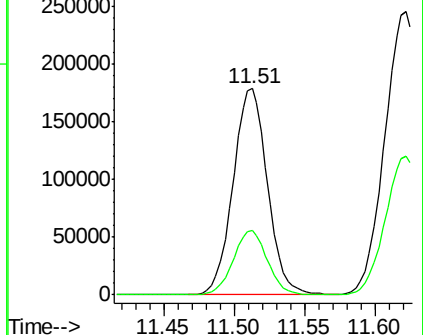
91 100

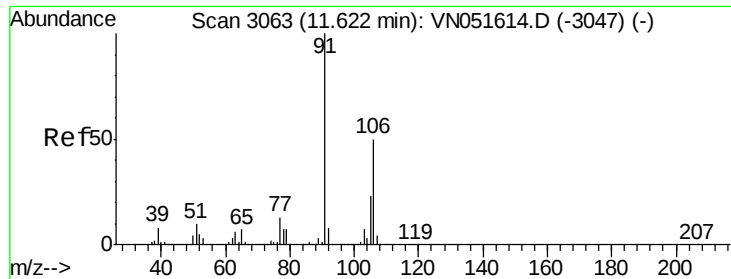
106 31.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

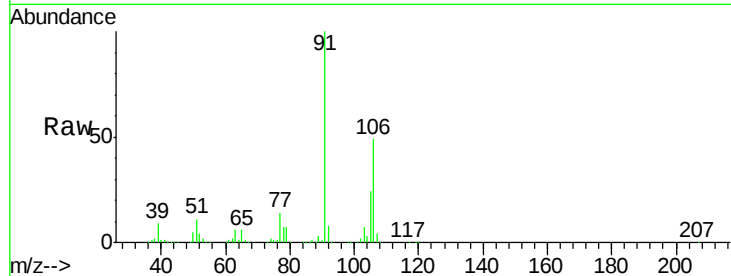




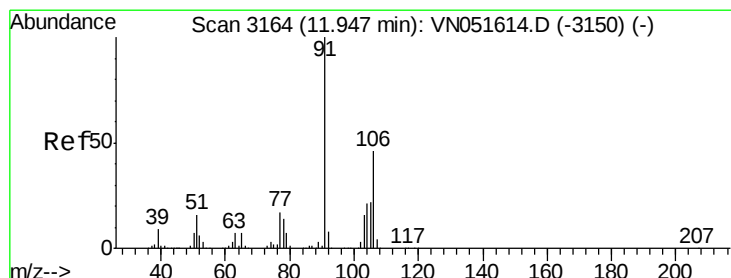
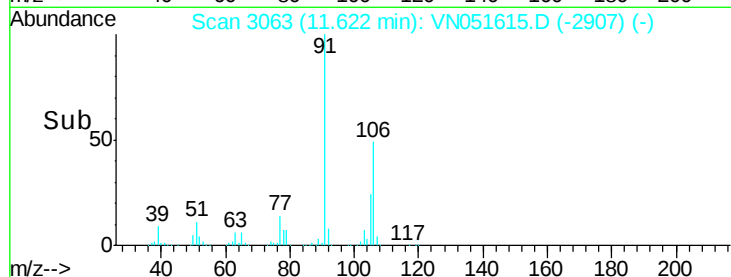
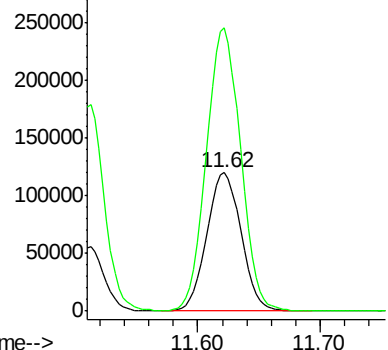
#67
m/p-Xylenes
Concen: 17.413 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tgt Ion:106 Resp: 234583
Ion Ratio Lower Upper
106 100
91 203.8 161.5 242.3

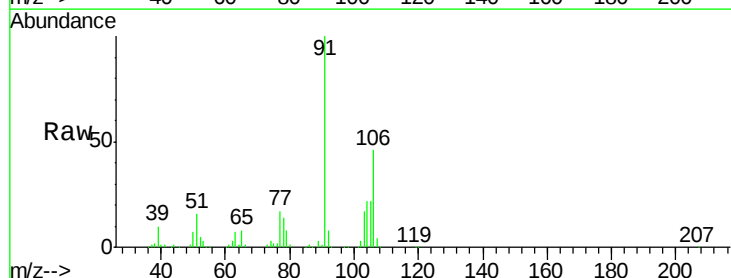


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

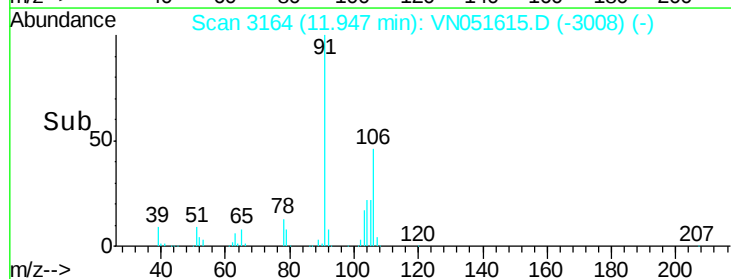
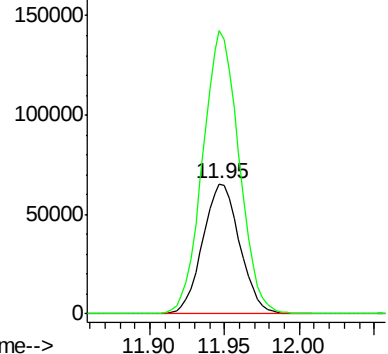


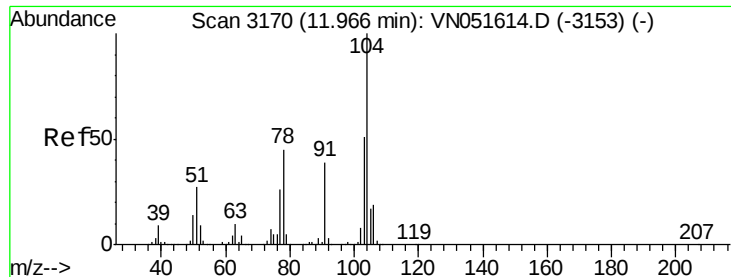
#68
o-Xylene
Concen: 8.784 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion:106 Resp: 112959
Ion Ratio Lower Upper
106 100
91 213.5 109.7 329.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

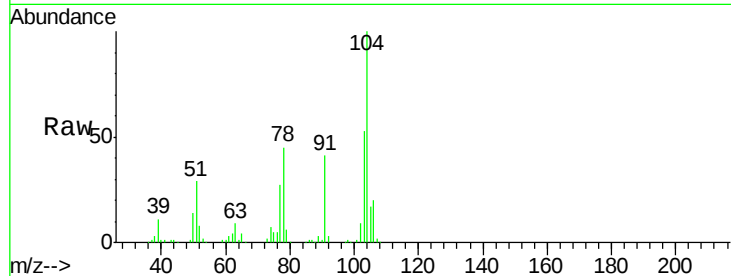




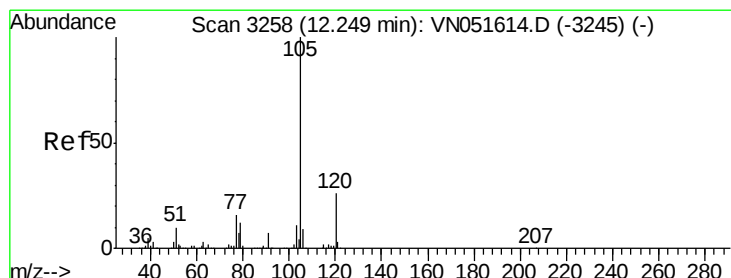
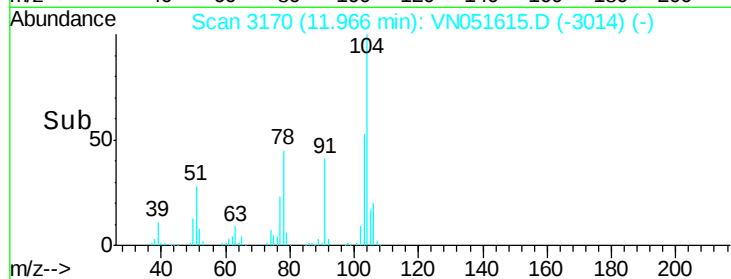
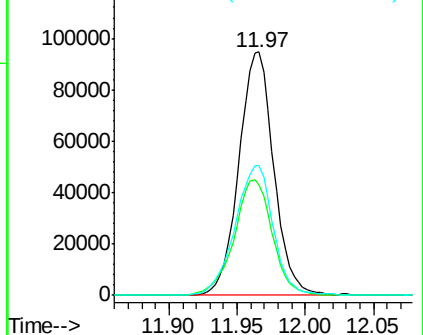
#69
Styrene
Concen: 8.334 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

Tgt Ion:104 Resp: 168224
Ion Ratio Lower Upper
104 100
78 51.8 40.3 60.5
103 58.2 45.7 68.5

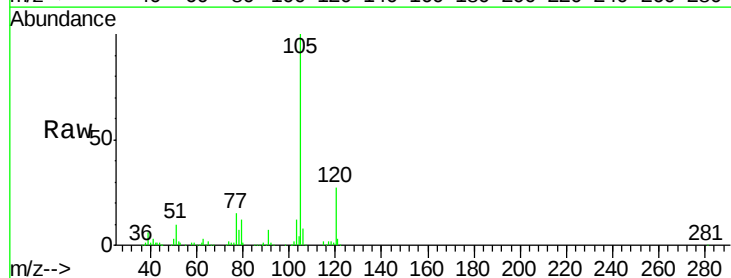


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

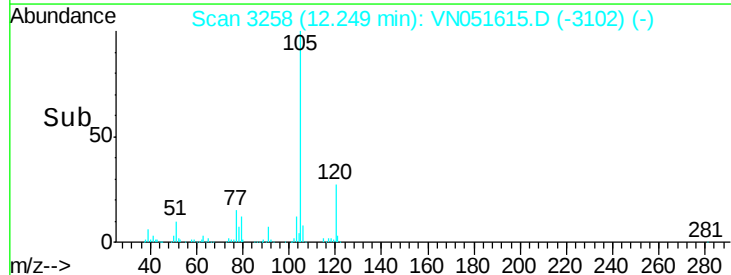
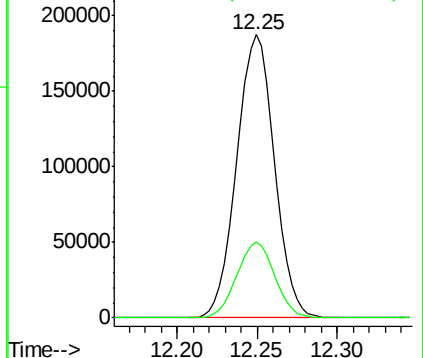


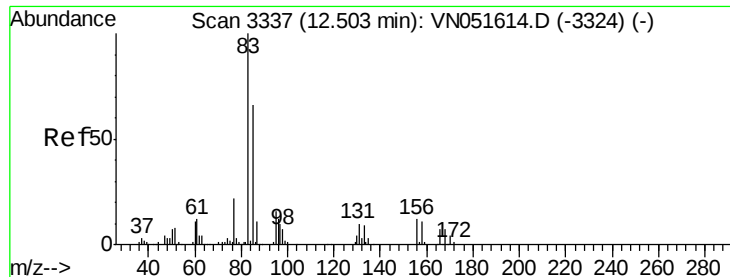
#70
Isopropylbenzene
Concen: 8.774 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion:105 Resp: 300982
Ion Ratio Lower Upper
105 100
120 27.0 18.7 34.7



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





#71

1,1,2,2-Tetrachloroethane

Concen: 9.361 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

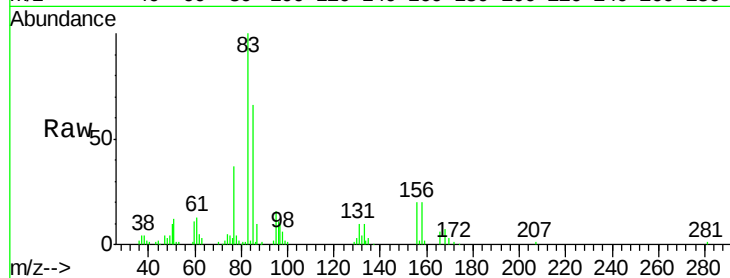
Tgt Ion: 83 Resp: 77691

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 67.0 32.0 96.2

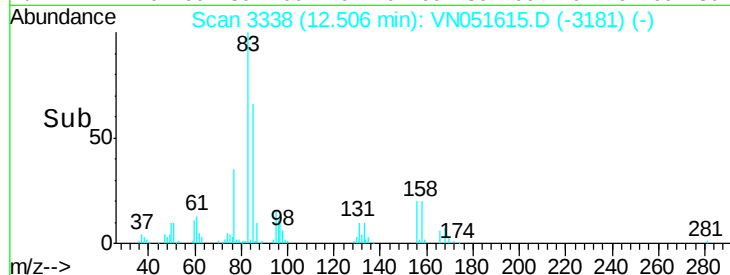


Abundance Ion 83.00 (82.70 to 83.70): VN051615.D (-3181) (-)

Ion 131.00 (130.70 to 131.70): VN051615.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN051615.D (-3181) (-)

Time-->



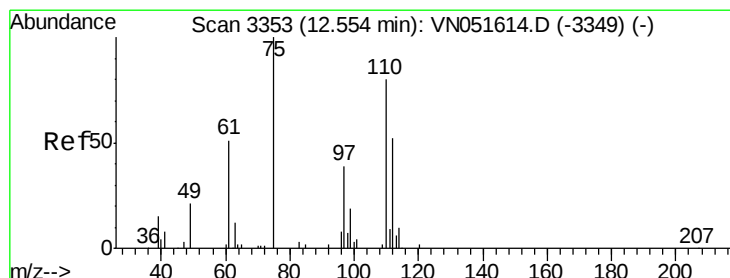
Abundance

Ion 83.00 (82.70 to 83.70): VN051615.D (-3181) (-)

Ion 131.00 (130.70 to 131.70): VN051615.D (-3181) (-)

Ion 85.00 (84.70 to 85.70): VN051615.D (-3181) (-)

Time-->



#72

1,2,3-Trichloropropane

Concen: 13.716 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051615.D

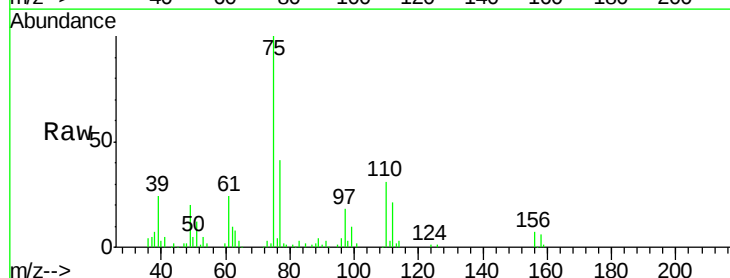
Acq: 28 Sep 2018 13:23

Tgt Ion: 75 Resp: 93790

Ion Ratio Lower Upper

75 100

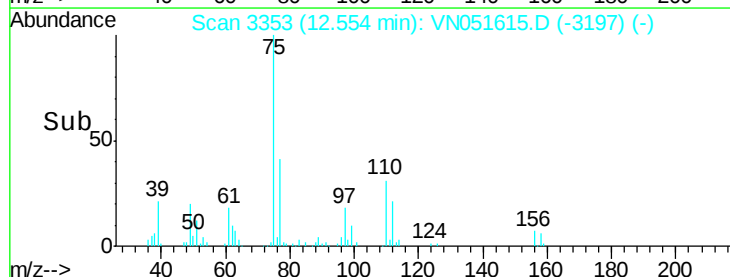
77 153.3 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN051615.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN051615.D (-3197) (-)

Time-->

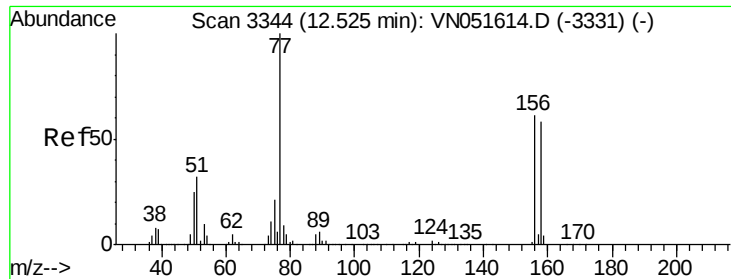


Abundance

Ion 75.00 (74.70 to 75.70): VN051615.D (-3197) (-)

Ion 77.00 (76.70 to 77.70): VN051615.D (-3197) (-)

Time-->



#73

Bromobenzene

Concen: 9.009 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

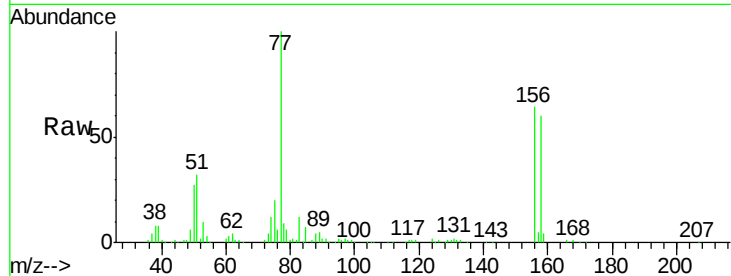
Tgt Ion:156 Resp: 76906

Ion Ratio Lower Upper

156 100

77 187.0 0.0 385.2

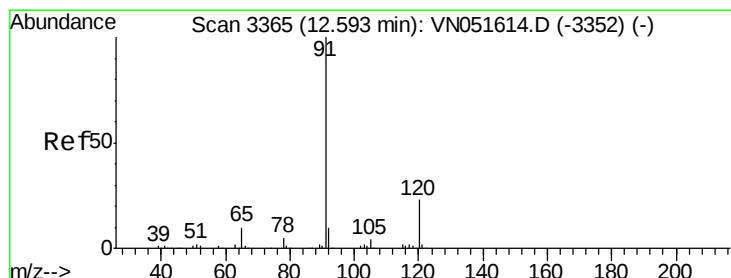
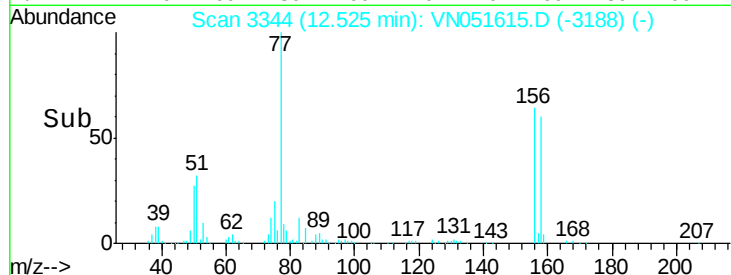
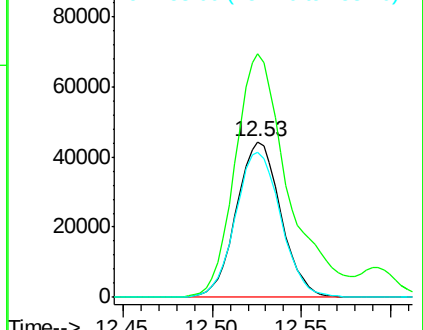
158 95.6 0.0 195.6



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: 8.733 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051615.D

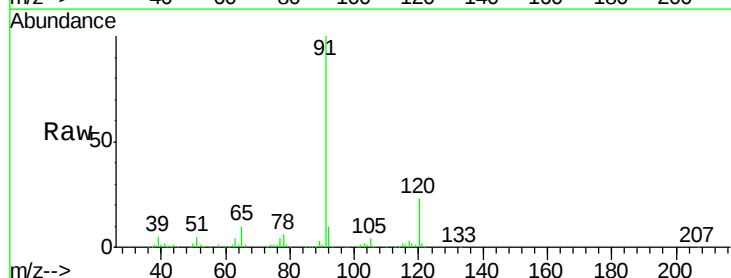
Acq: 28 Sep 2018 13:23

Tgt Ion: 91 Resp: 348726

Ion Ratio Lower Upper

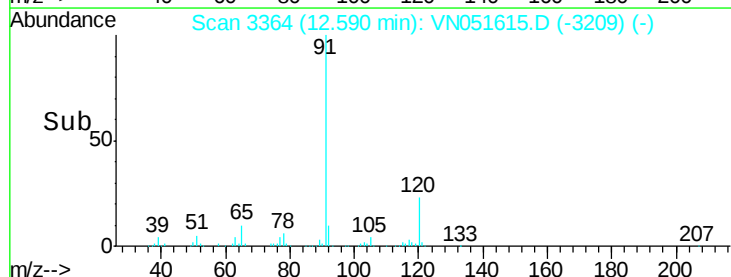
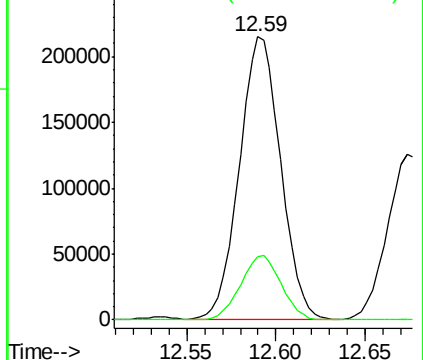
91 100

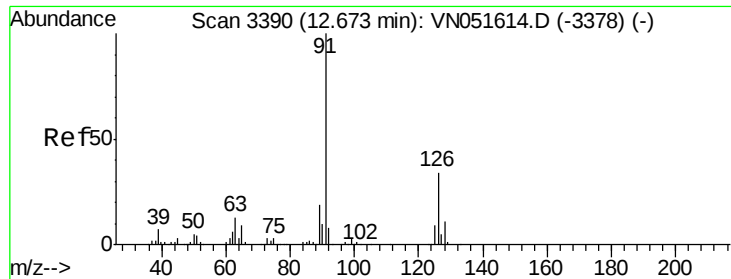
120 22.4 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 8.934 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

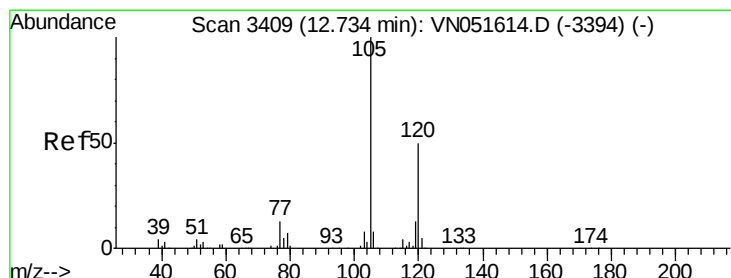
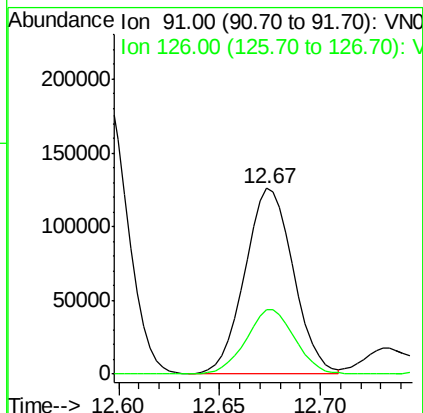
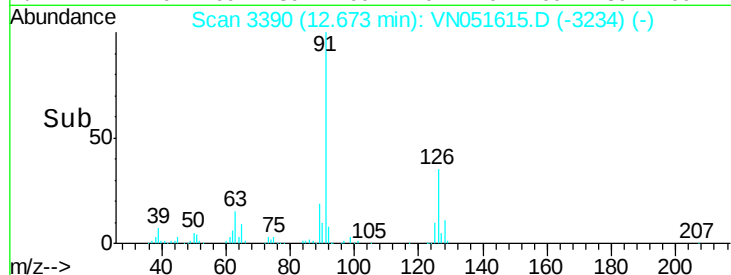
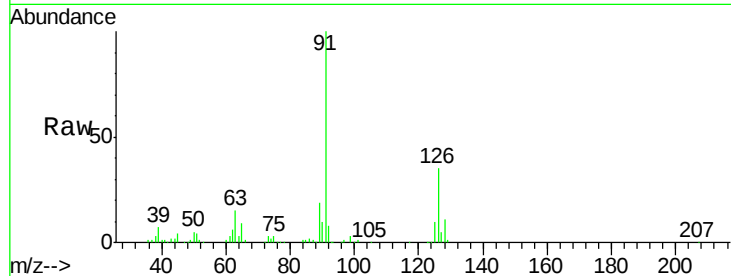
VSTDIC010

Tgt Ion: 91 Resp: 213054

Ion Ratio Lower Upper

91 100

126 34.8 0.0 69.2



#76

1,3,5-Trimethylbenzene

Concen: 8.726 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN051615.D

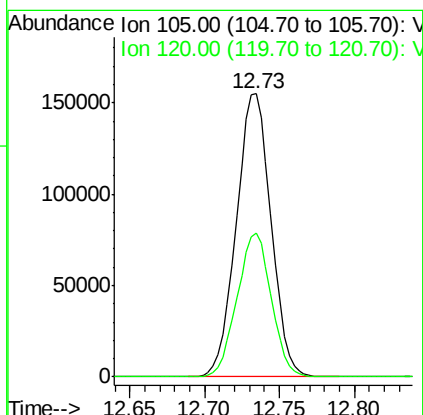
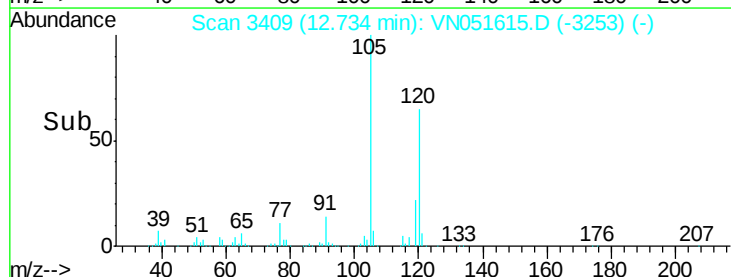
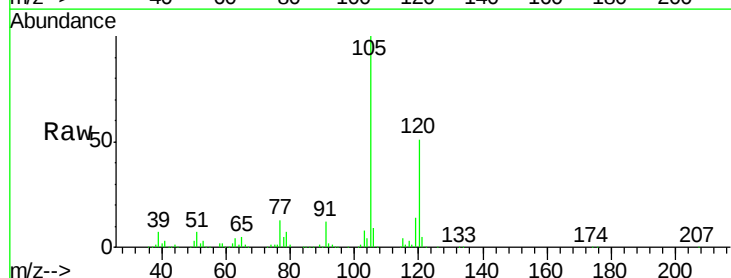
Acq: 28 Sep 2018 13:23

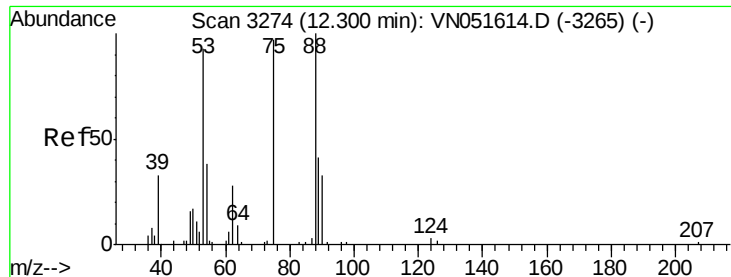
Tgt Ion: 105 Resp: 250105

Ion Ratio Lower Upper

105 100

120 50.0 0.0 99.8





#77

t-1,4-Dichloro-2-butene

Concen: 8.203 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

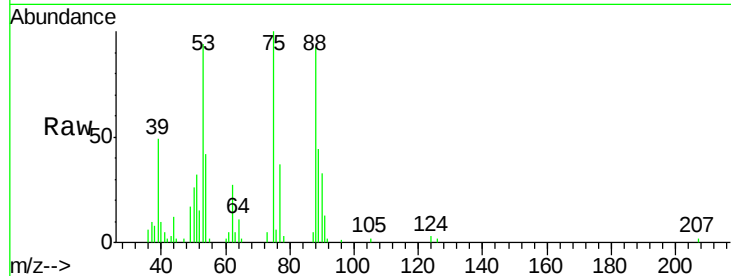
Tgt Ion: 75 Resp: 18434

Ion Ratio Lower Upper

75 100

53 91.7 48.1 144.4

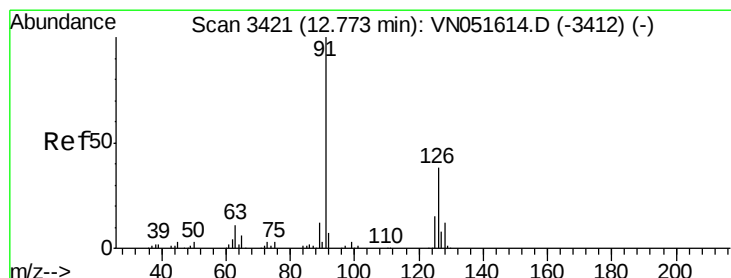
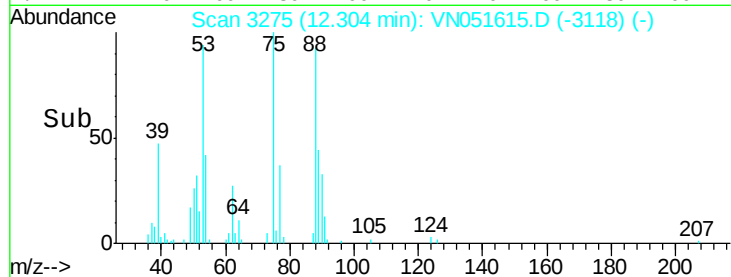
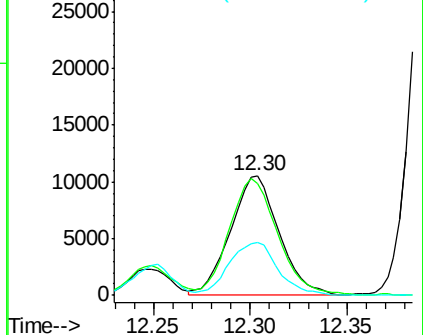
89 44.0 22.4 67.3



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: 8.732 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051615.D

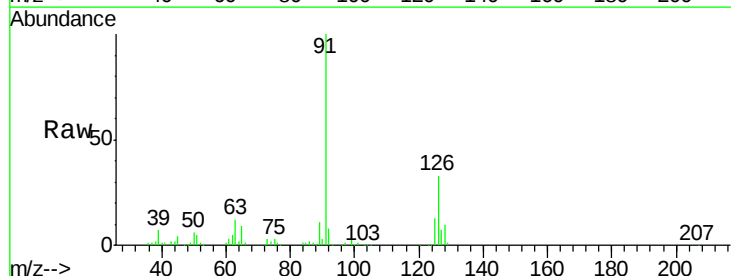
Acq: 28 Sep 2018 13:23

Tgt Ion: 91 Resp: 205675

Ion Ratio Lower Upper

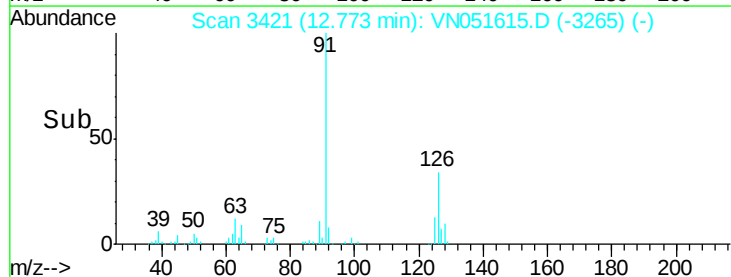
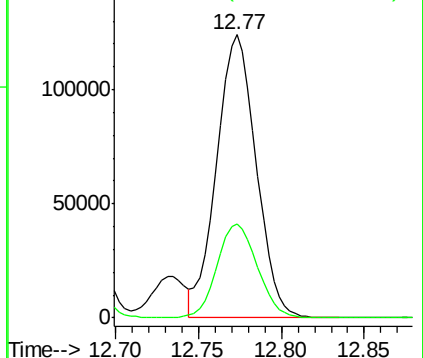
91 100

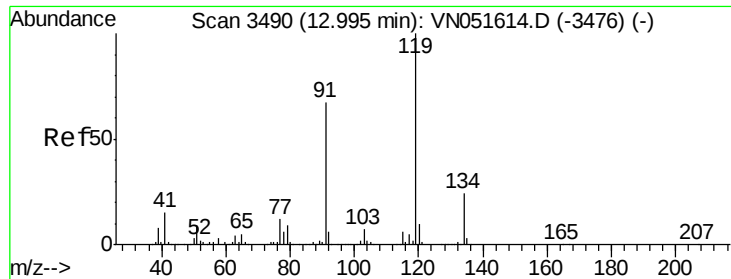
126 33.7 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

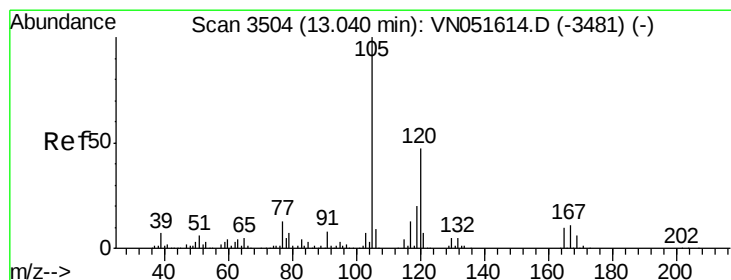
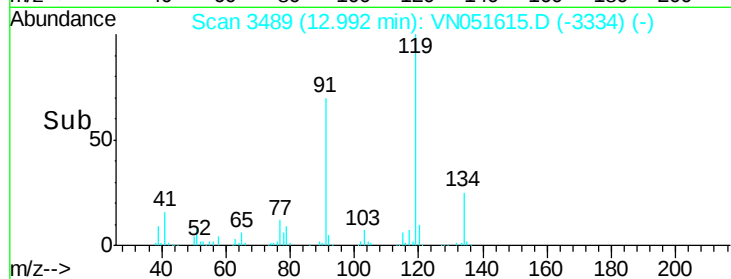
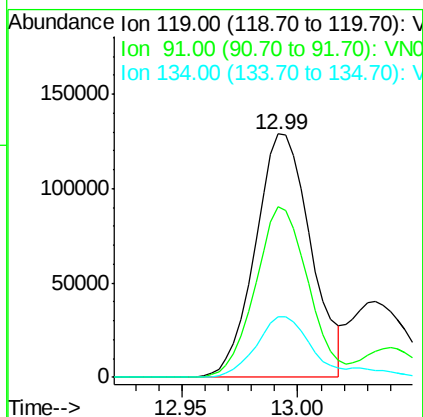
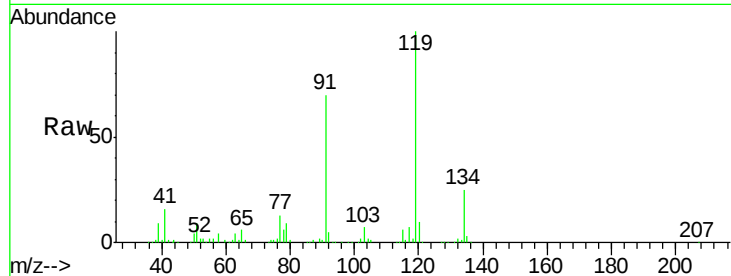




#79
tert-butylbenzene
Concen: 8.623 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

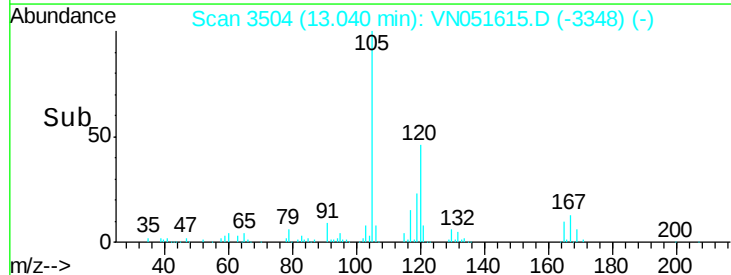
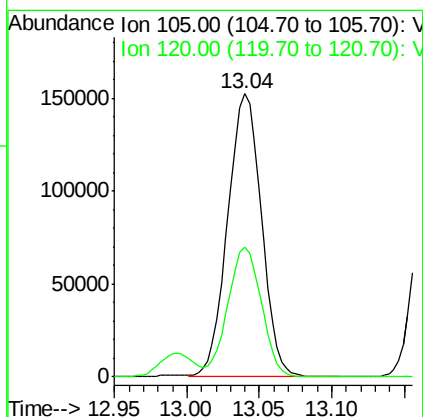
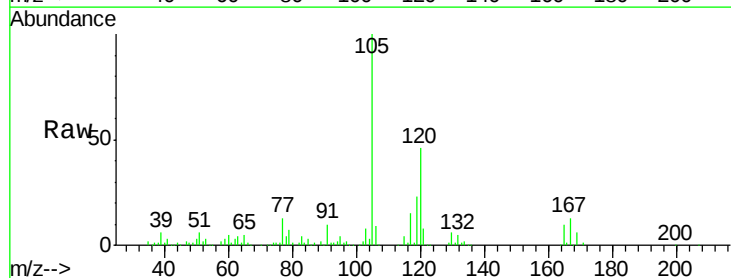
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

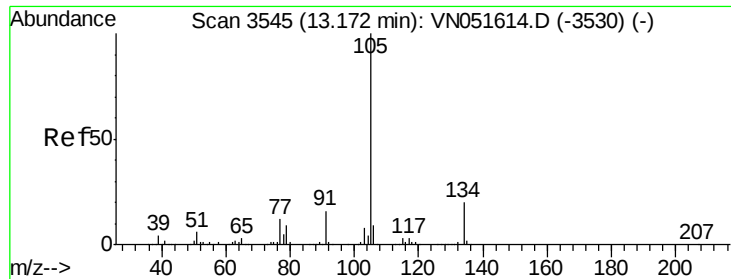
Tgt Ion:119 Resp: 214134
Ion Ratio Lower Upper
119 100
91 66.8 0.0 132.4
134 24.3 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 8.626 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051615.D
Acq: 28 Sep 2018 13:23

Tgt Ion:105 Resp: 246969
Ion Ratio Lower Upper
105 100
120 45.6 0.0 91.6

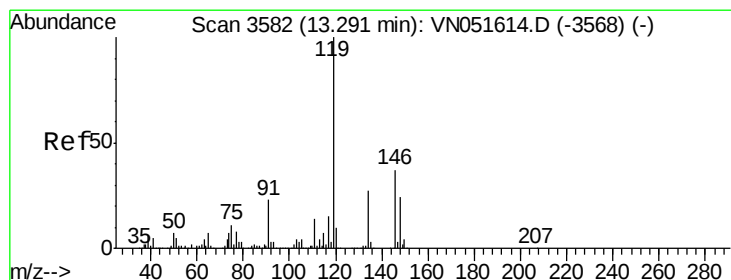
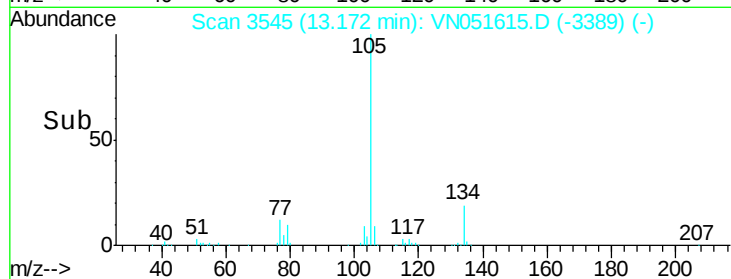
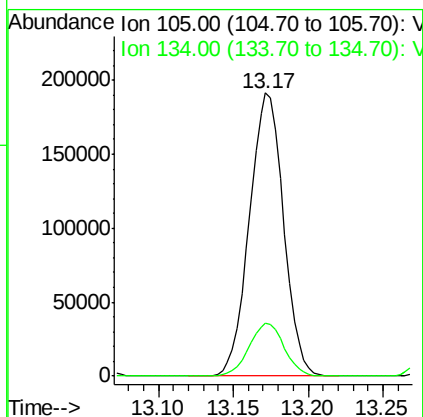
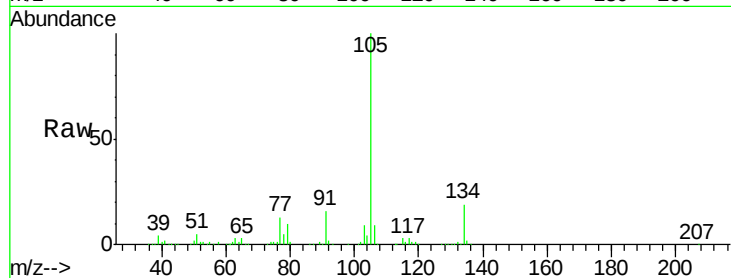




#81
 sec-Butylbenzene
 Concen: 8.855 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

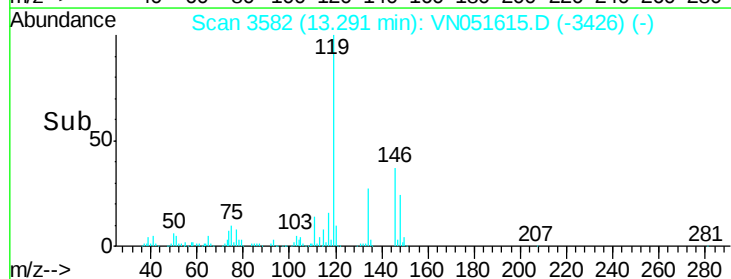
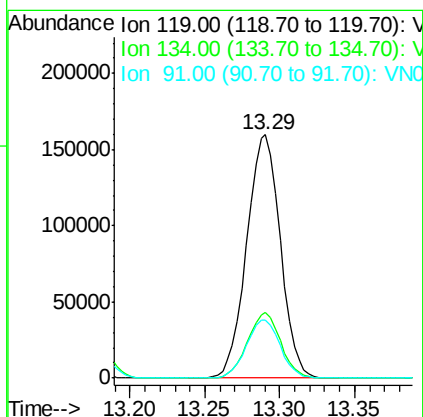
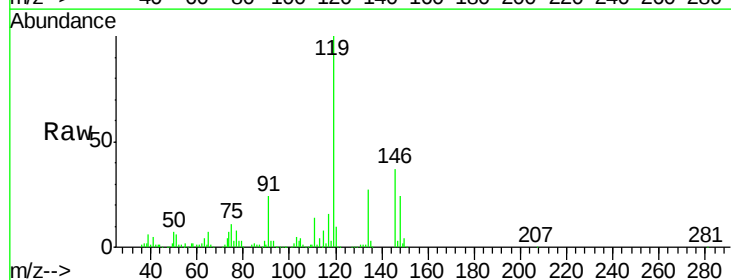
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

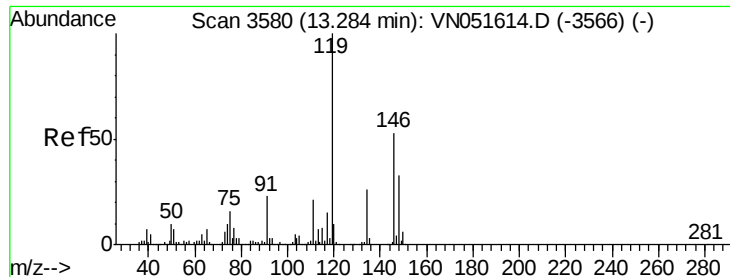
Tgt Ion:105 Resp: 303750
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 8.521 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion:119 Resp: 249815
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.0
 91 24.2 0.0 46.0

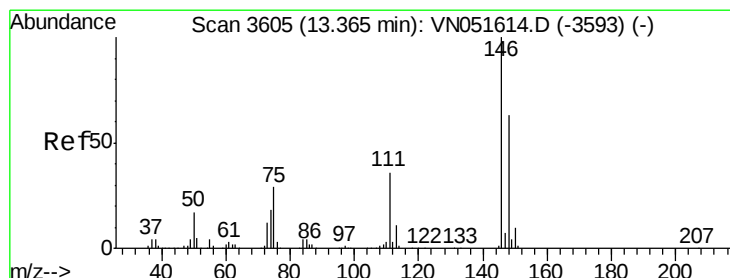
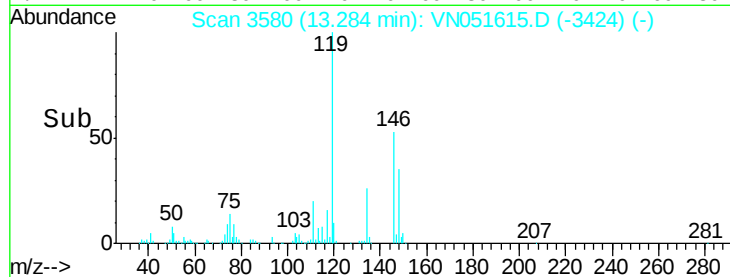
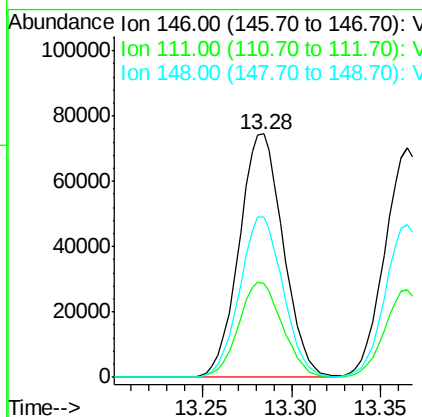
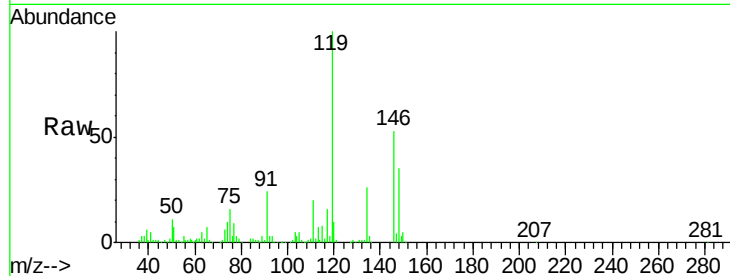




#83
 1,3-Dichlorobenzene
 Concen: 8.653 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

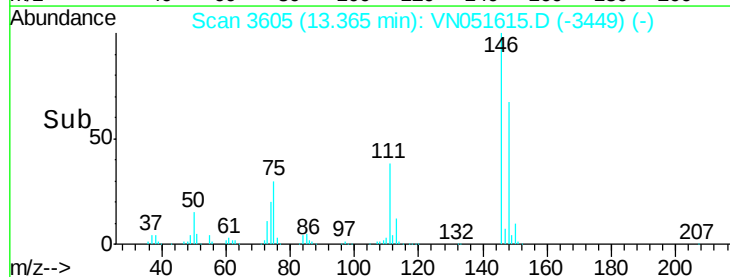
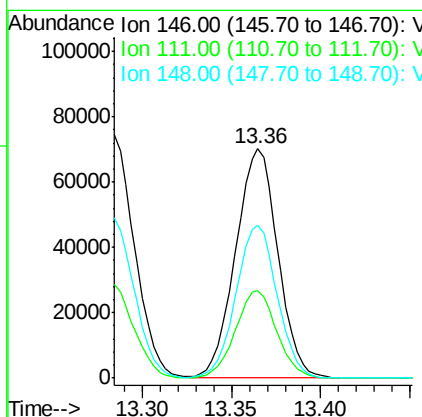
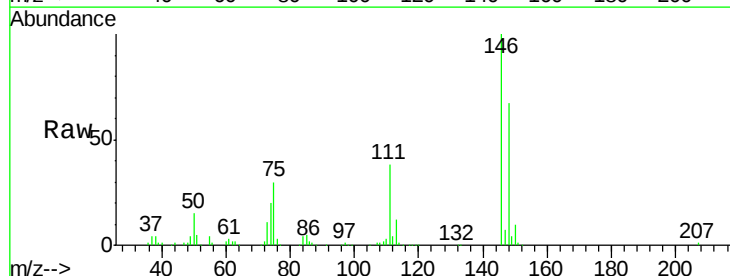
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

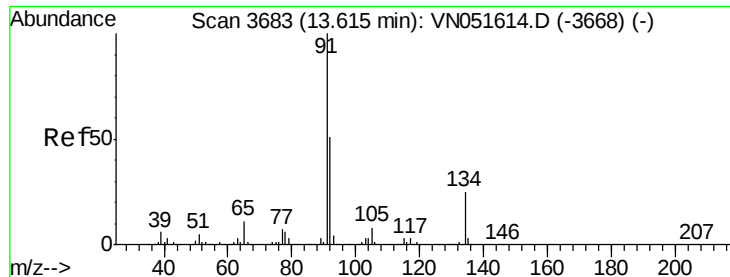
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	64.7	32.4	97.2



#84
 1,4-Dichlorobenzene
 Concen: 8.328 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051615.D
 Acq: 28 Sep 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.8	32.1	96.5





#85

n-Butylbenzene

Concen: 7.913 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

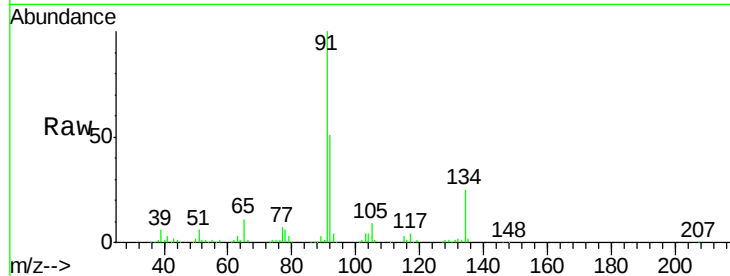
Tgt Ion: 91 Resp: 190414

Ion Ratio Lower Upper

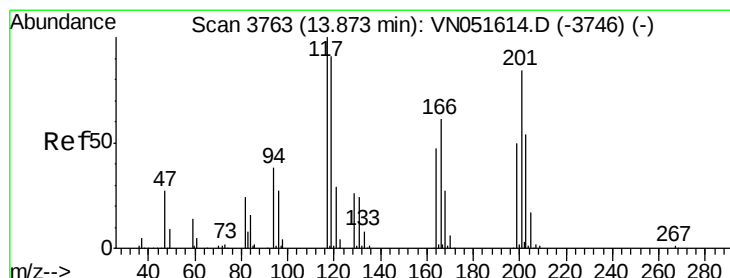
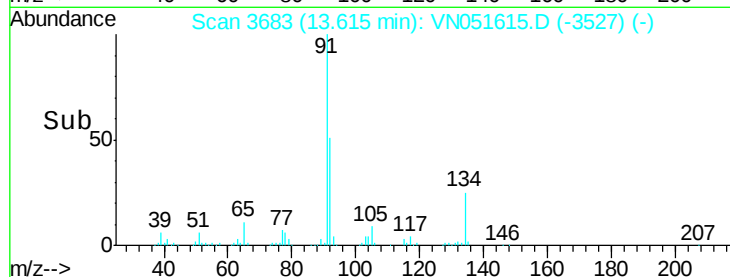
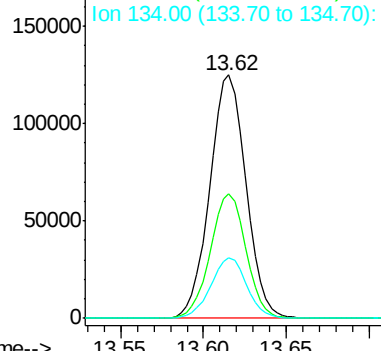
91 100

92 50.4 0.0 101.6

134 24.7 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN051615.D (-3668) (-)



#86

Hexachloroethane

Concen: 9.071 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051615.D

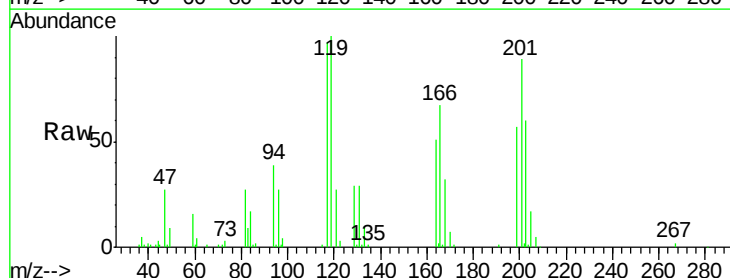
Acq: 28 Sep 2018 13:23

Tgt Ion: 117 Resp: 53191

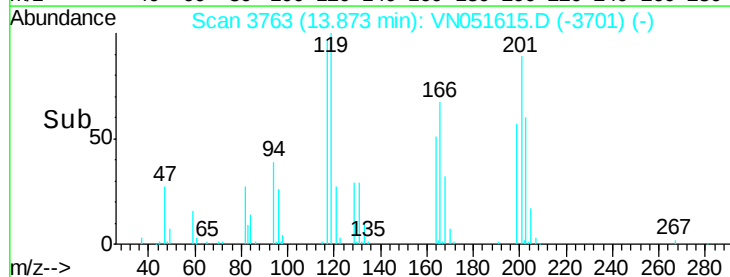
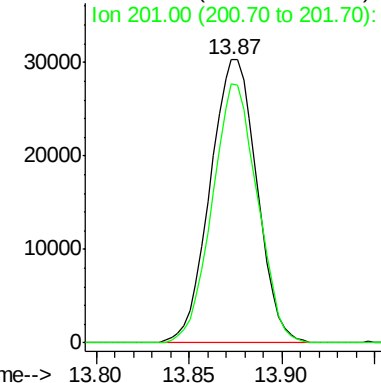
Ion Ratio Lower Upper

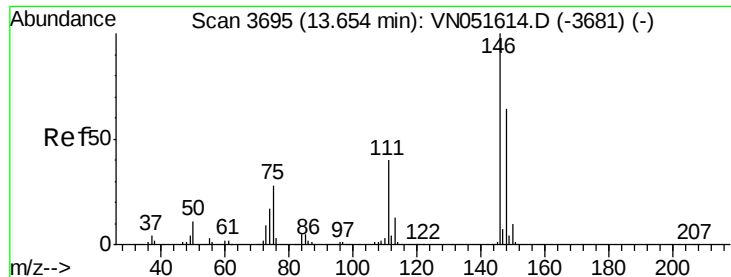
117 100

201 88.2 42.9 128.5



Abundance Ion 117.00 (116.70 to 117.70): VN051615.D (-3746) (-)





#87

1,2-Dichlorobenzene

Concen: 8.798 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

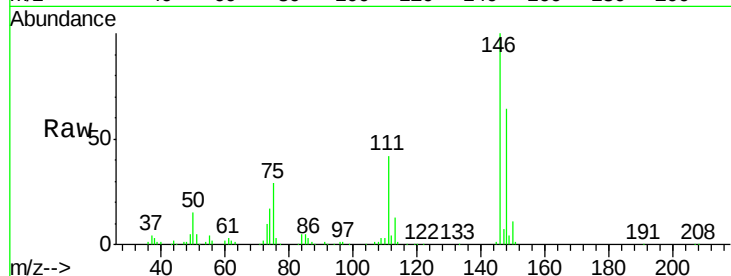
Tgt Ion:146 Resp: 128022

Ion Ratio Lower Upper

146 100

111 40.4 20.1 60.3

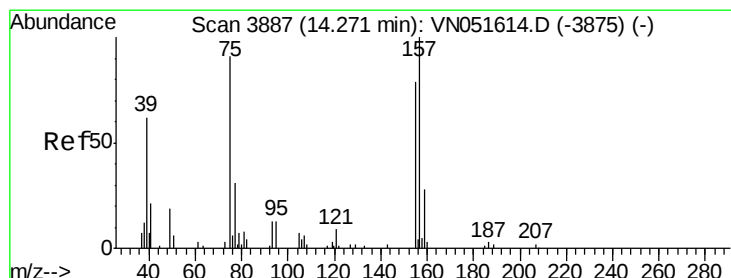
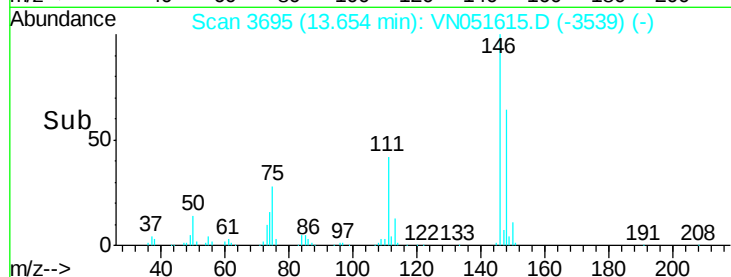
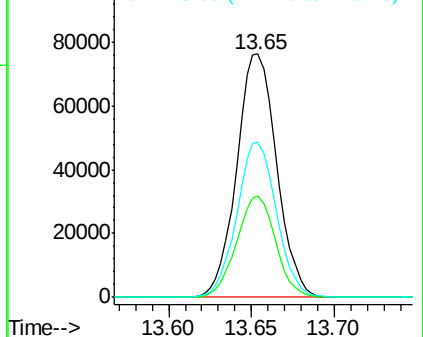
148 63.3 32.1 96.5



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 8.805 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

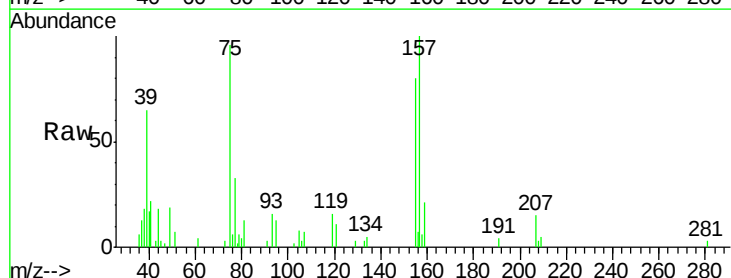
Tgt Ion: 75 Resp: 10651

Ion Ratio Lower Upper

75 100

155 81.1 67.1 100.7

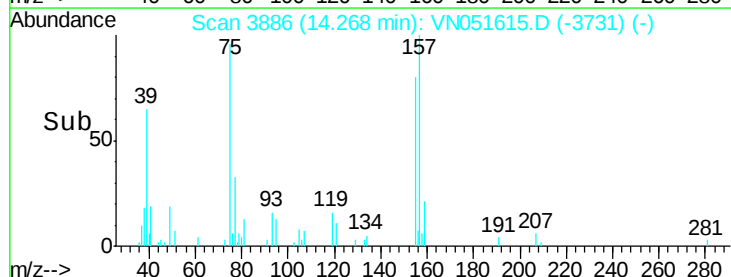
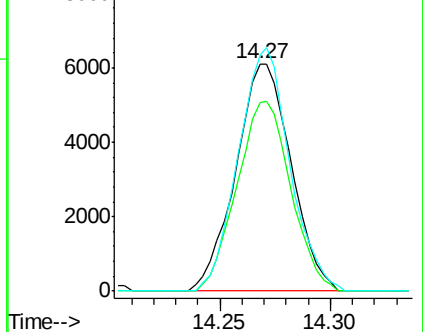
157 99.5 85.8 128.6

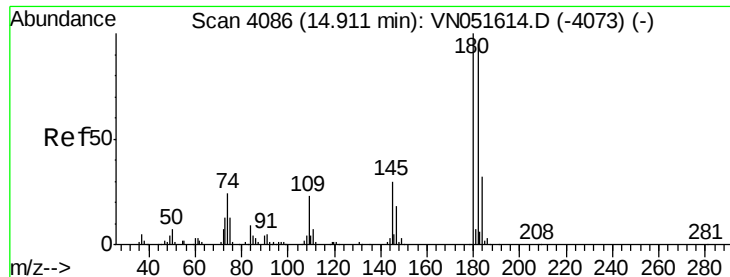


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 6.147 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

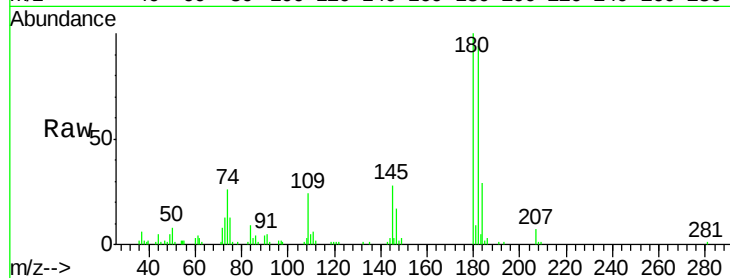
Tgt Ion:180 Resp: 41867

Ion Ratio Lower Upper

180 100

182 92.3 75.2 112.8

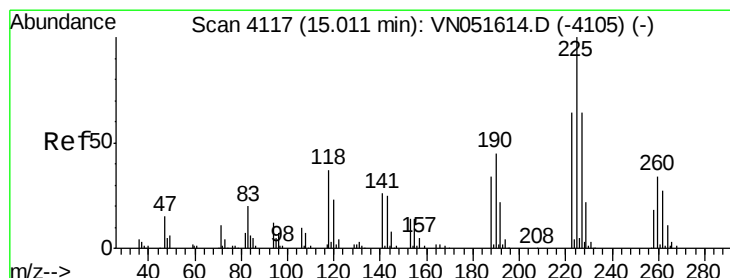
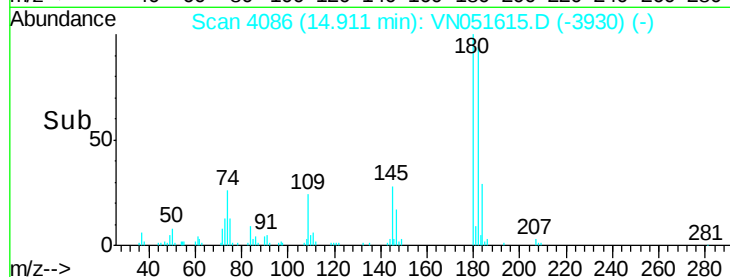
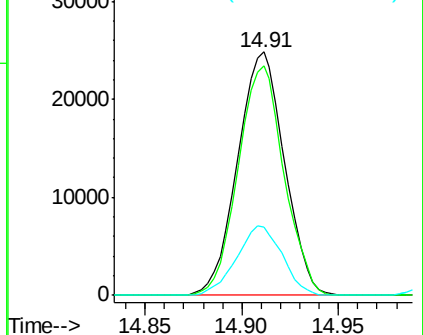
145 27.7 22.9 34.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 10.136 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

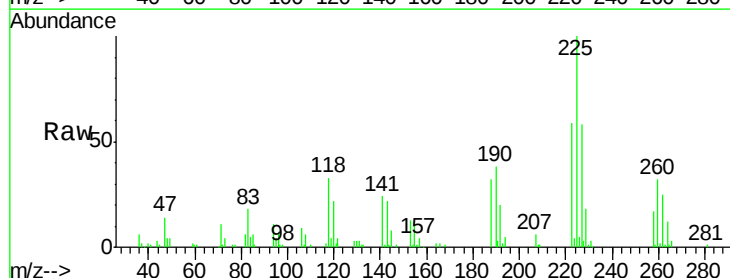
Tgt Ion:225 Resp: 56282

Ion Ratio Lower Upper

225 100

223 62.7 0.0 131.0

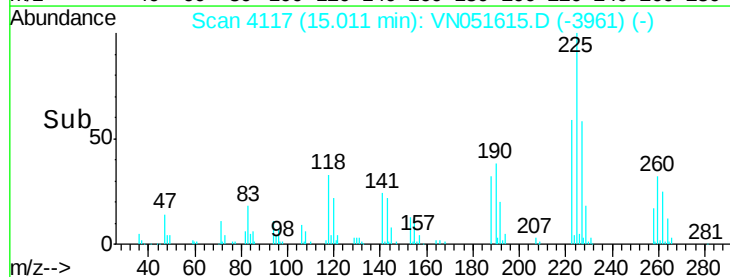
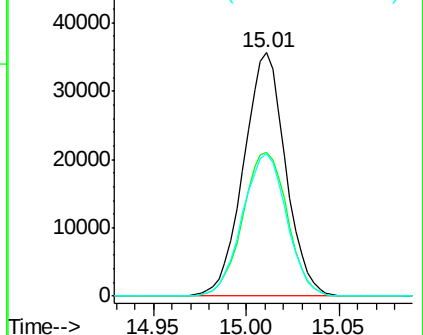
227 61.7 0.0 129.0

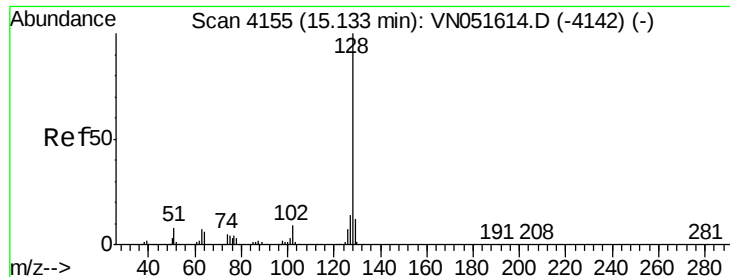


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 5.275 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

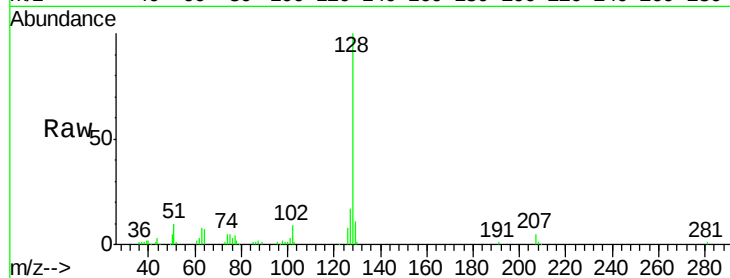
Tgt Ion:128 Resp: 67474

Ion Ratio Lower Upper

128 100

127 14.6 10.8 16.2

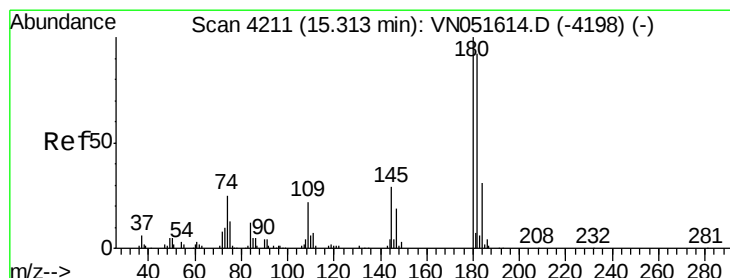
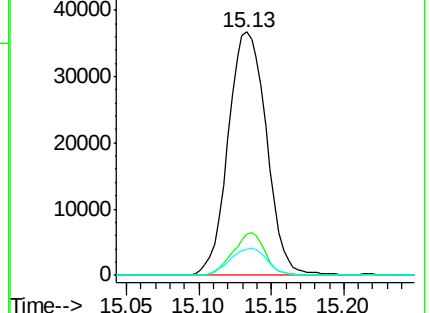
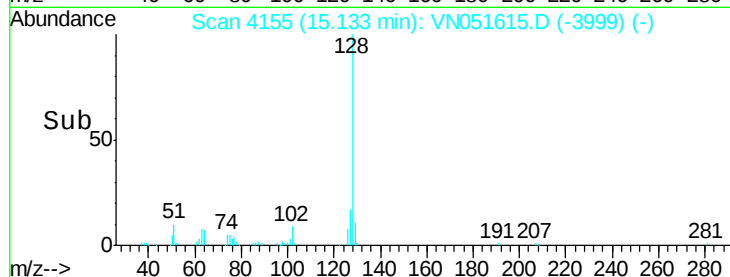
129 10.5 9.1 13.7



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: 6.745 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051615.D

Acq: 28 Sep 2018 13:23

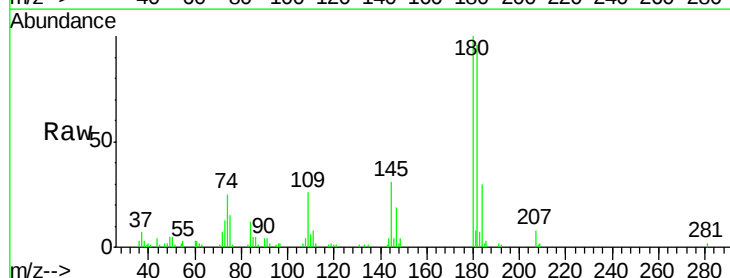
Tgt Ion:180 Resp: 46199

Ion Ratio Lower Upper

180 100

182 96.9 0.0 191.8

145 30.8 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

