

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
 Data File : VN051607.D
 Acq On : 28 Sep 2018 8:15
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : Sample
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 29 00:35:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 00:32:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	99067	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	539832	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	449000	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	216118	31.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.43%
60) 4-Bromofluorobenzene	12.40	95	183377	26.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.53%
63) Toluene-d8	10.09	98	656586	30.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	32532	3.742 ug/l	99
3) Chloromethane	2.06	50	42932	4.413 ug/l	100
4) Vinyl Chloride	2.18	62	43546	4.563 ug/l	100
5) Bromomethane	2.57	94	19995	4.033 ug/l	97
6) Chloroethane	2.70	64	24045	5.022 ug/l	94
7) Trichlorofluoromethane	3.02	101	56178	4.818 ug/l	98
8) Diethyl Ether	3.41	74	17056	4.657 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33795	5.127 ug/l	85
10) 1,1-Dichloroethene	3.74	96	28242	4.721 ug/l	99
11) Methyl Iodide	3.95	142	31636	4.109 ug/l	97
12) Methyl Acetate	4.32	43	30744	5.824 ug/l	97
13) Acrolein	3.61	56	13898	23.828 ug/l	91
14) Acrylonitrile	5.00	53	45720	21.625 ug/l	93
15) Acetone	3.82	58	16079	29.006 ug/l	88
16) Carbon Disulfide	4.05	76	91323	4.738 ug/l	99
17) Allyl chloride	4.32	41	42761	3.996 ug/l	97
18) Methylene Chloride	4.55	84	35411	5.149 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	29242	4.605 ug/l	93
20) Diisopropyl ether	5.95	45	89064	4.196 ug/l	93
21) 1,1-Dichloroethane	5.85	63	62201	4.944 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	31408	4.529 ug/l	100
23) tert-Butyl Alcohol	4.77	59	2720	6.751 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	65096	4.141 ug/l	94
25) Chloroform	7.37	83	60235	5.007 ug/l	96
26) Cyclohexane	7.66	56	44807	4.115 ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	40831	4.436 ug/l	98
30) 2-Butanone	6.84	43	63748	25.445 ug/l	# 77
31) 2,2-Dichloropropane	6.83	77	48329	4.865 ug/l	# 69
32) 1,1,1-Trichloroethane	7.57	97	50420	4.875 ug/l	98
33) Carbon Tetrachloride	7.77	117	45909	4.939 ug/l	97
34) Benzene	8.04	78	130101	4.764 ug/l	# 69
35) Methacrylonitrile	7.20	41	1237	0.426 ug/l	# 53
36) 1,2-Dichloroethane	8.12	62	43071	4.948 ug/l	99
37) Trichloroethene	8.84	130	33021	4.709 ug/l	92
38) Methylcyclohexane	9.08	83	44754	4.213 ug/l	96
39) 1,2-Dichloropropane	9.12	63	37716	5.040 ug/l	98
40) Dibromomethane	9.21	93	20048	4.823 ug/l	99

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 Misc : Sample
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	44251	4.877	ug/l	97
42) Vinyl Acetate	5.90	43	281643	20.193	ug/l #	87
43) Ethyl Acetate	6.93	43	24429	4.607	ug/l #	87
45) 1,4-Dioxane	9.20	88	5293	94.360	ug/l #	80
46) Methyl methacrylate	9.20	41	19242	3.984	ug/l	94
47) n-amyl Acetate	12.07	43	26458	3.406	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	38829	4.287	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	47445	4.481	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	29054	4.946	ug/l	96
51) Ethyl methacrylate	10.43	69	28329	3.975	ug/l	96
52) 1,3-Dichloropropane	10.71	76	47340	4.700	ug/l	99
53) Dibromochloromethane	10.90	129	31863	4.762	ug/l	97
54) 1,2-Dibromoethane	11.01	107	25786	4.574	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	73315	20.810	ug/l	98
56) Bromoform	12.13	173	19061	4.293	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	114216	22.405	ug/l	98
59) 2-Hexanone	10.75	43	80623	24.040	ug/l	94
61) Tetrachloroethene	10.63	164	33837	5.323	ug/l	98
62) Toluene	10.16	91	130989	4.758	ug/l	98
64) Chlorobenzene	11.43	112	79780	4.793	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	31207	4.910	ug/l	99
66) Ethyl Benzene	11.51	91	119680	4.247	ug/l	97
67) m/p-Xylenes	11.62	106	88447	8.145	ug/l	96
68) o-Xylene	11.95	106	43426	4.189	ug/l	92
69) Styrene	11.96	104	61193	3.761	ug/l	96
70) Isopropylbenzene	12.25	105	113546	4.106	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	32861	4.912	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	37287	6.764	ug/l	49
73) Bromobenzene	12.53	156	29761	4.325	ug/l	96
74) n-propylbenzene	12.59	91	132390	4.113	ug/l	98
75) 2-Chlorotoluene	12.67	91	82812	4.308	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	93096	4.029	ug/l	95
77) t-1,4-Dichloro-2-butene	12.30	75	6820	3.765	ug/l	97
78) 4-Chlorotoluene	12.77	91	76261	4.016	ug/l	99
79) tert-butylbenzene	12.99	119	87302	4.361	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	88636	3.841	ug/l	99
81) sec-Butylbenzene	13.17	105	114349	4.135	ug/l	99
82) p-Isopropyltoluene	13.29	119	90315	3.821	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	49052	4.091	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	43264	3.838	ug/l	99
85) n-Butylbenzene	13.62	91	66603	3.433	ug/l	98
86) Hexachloroethane	13.88	117	22056	4.666	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	49786	4.244	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4757	4.879	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	12949	2.359	ug/l	98
90) Hexachlorobutadiene	15.01	225	19685	4.398	ug/l	98
91) Naphthalene	15.13	128	22123	2.146	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	15199	2.753	ug/l	99

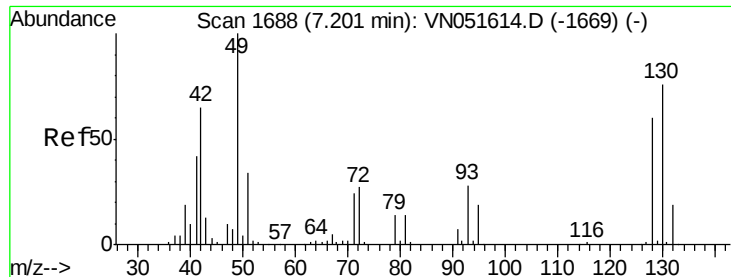
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092818\
Data File : VN051607.D
Acq On : 28 Sep 2018 8:15
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ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
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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: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

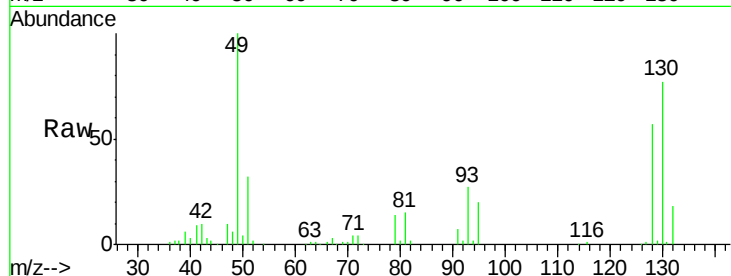
Tgt Ion:128 Resp: 99067

Ion Ratio Lower Upper

128 100

49 173.3 0.0 426.8

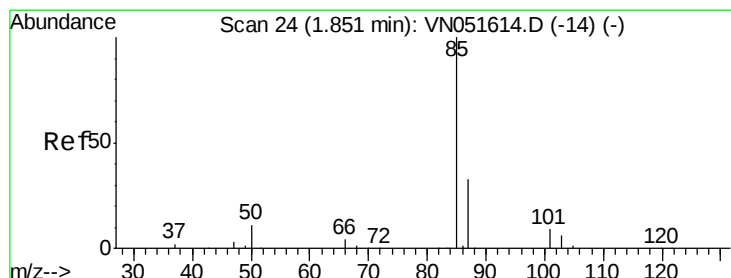
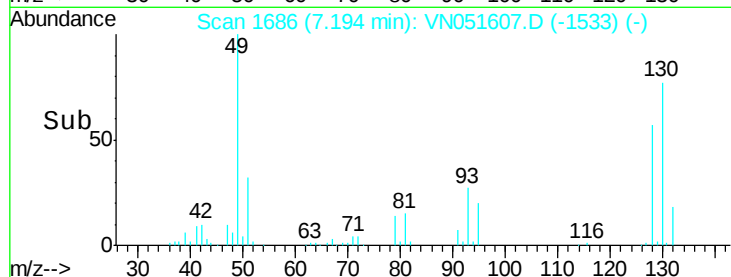
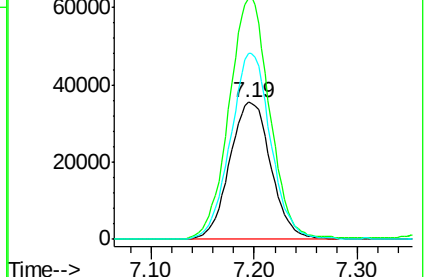
130 131.7 0.0 326.3



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: 3.742 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051607.D

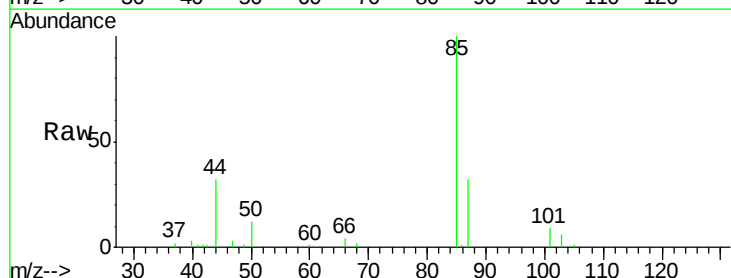
Acq: 28 Sep 2018 8:15

Tgt Ion: 85 Resp: 32532

Ion Ratio Lower Upper

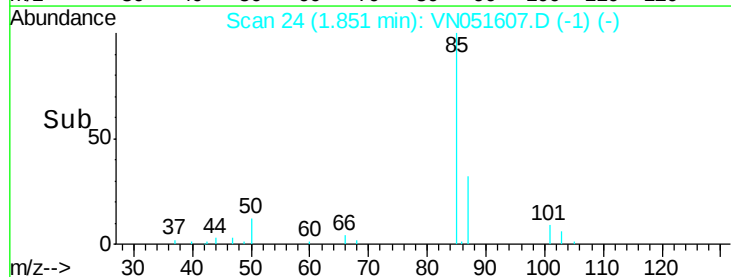
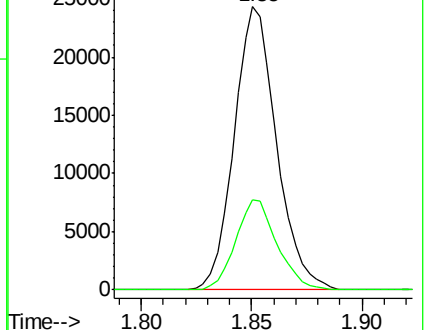
85 100

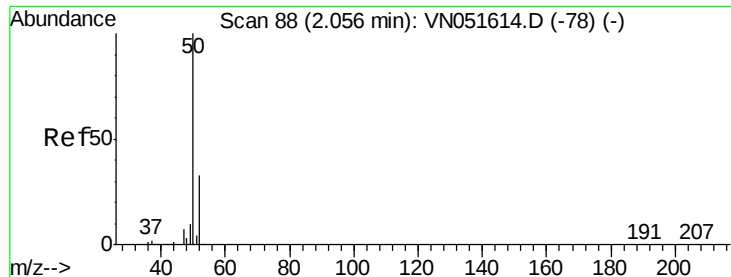
87 31.8 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 4.413 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

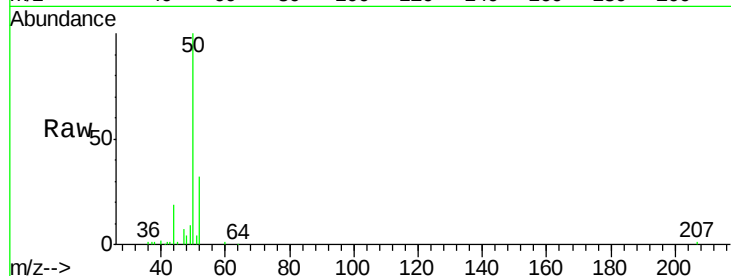
VSTDIC005

Tgt Ion: 50 Resp: 42932

Ion Ratio Lower Upper

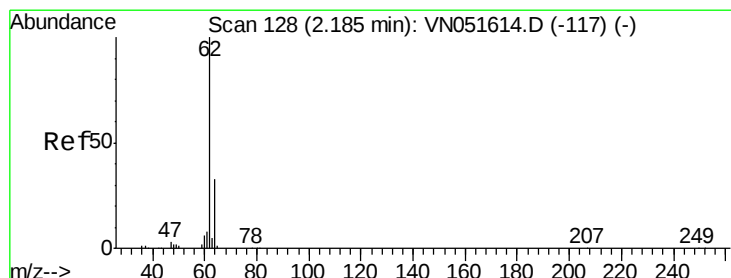
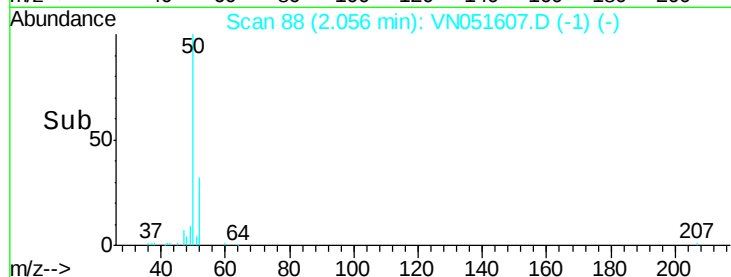
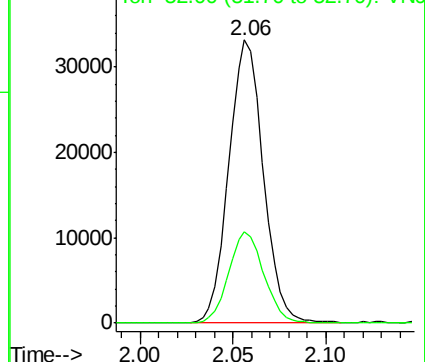
50 100

52 32.4 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 4.563 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051607.D

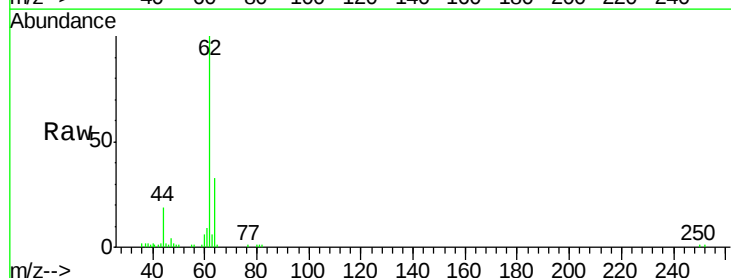
Acq: 28 Sep 2018 8:15

Tgt Ion: 62 Resp: 43546

Ion Ratio Lower Upper

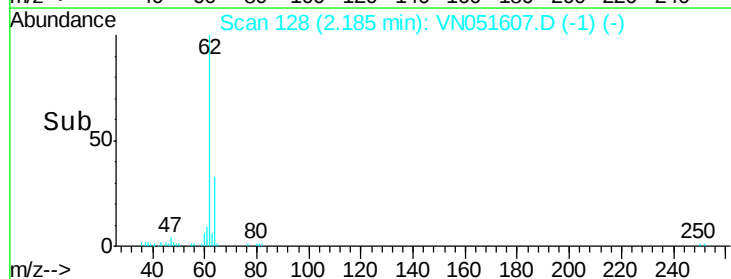
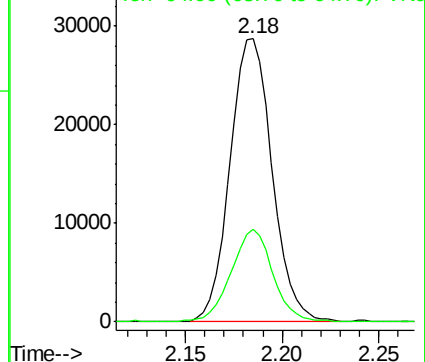
62 100

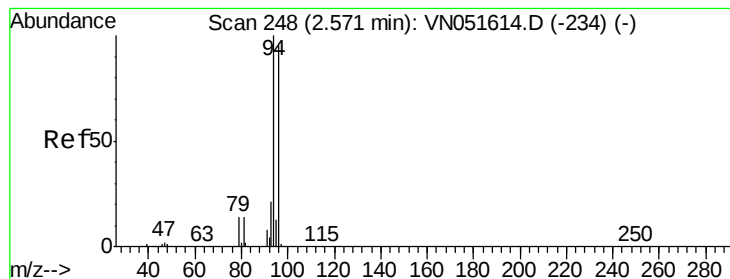
64 32.8 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 4.033 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

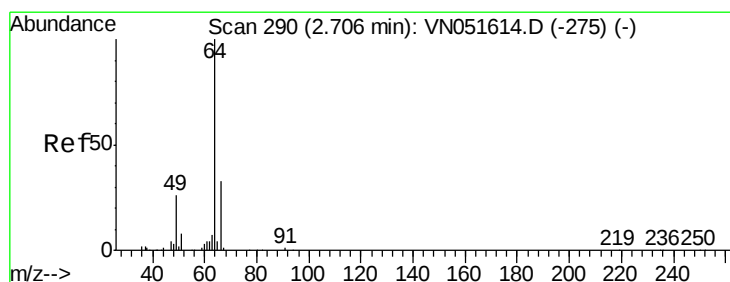
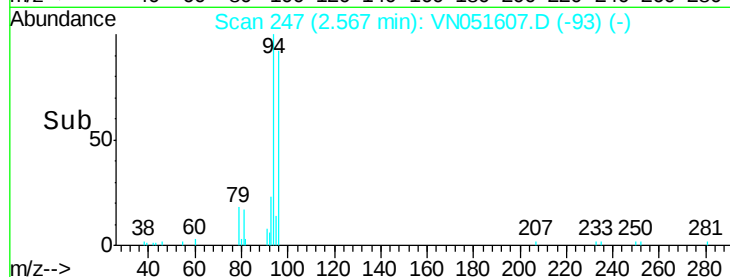
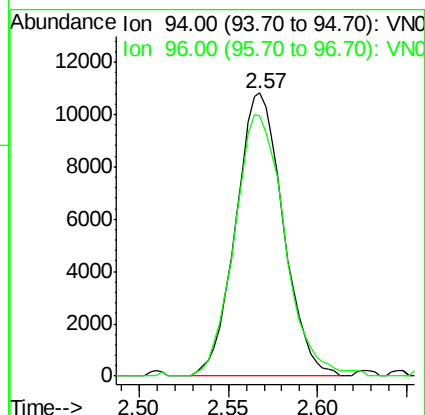
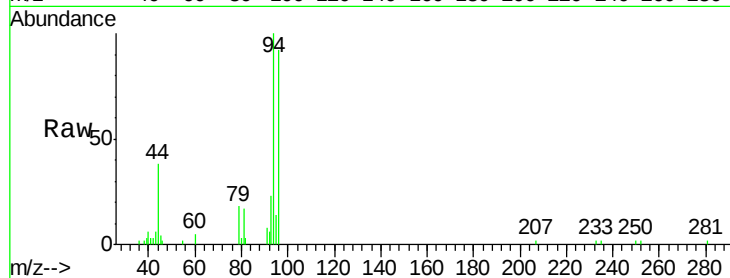
VSTDIC005

Tgt Ion: 94 Resp: 19995

Ion Ratio Lower Upper

94 100

96 91.9 75.8 113.6



#6

Chloroethane

Concen: 5.022 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051607.D

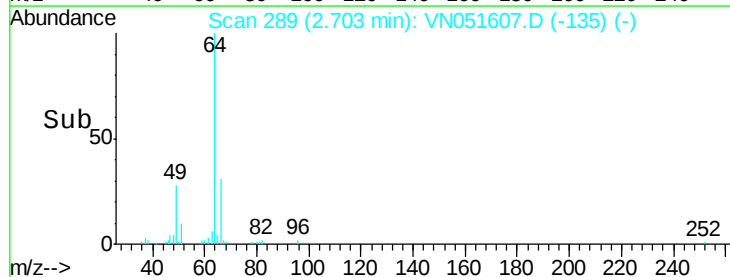
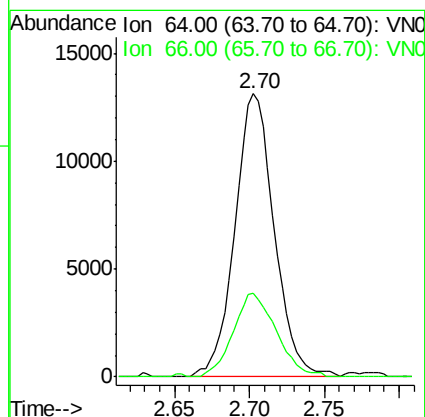
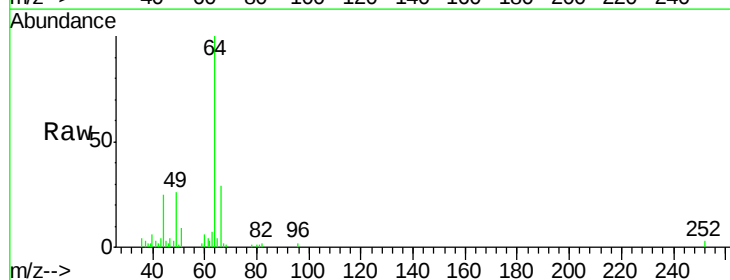
Acq: 28 Sep 2018 8:15

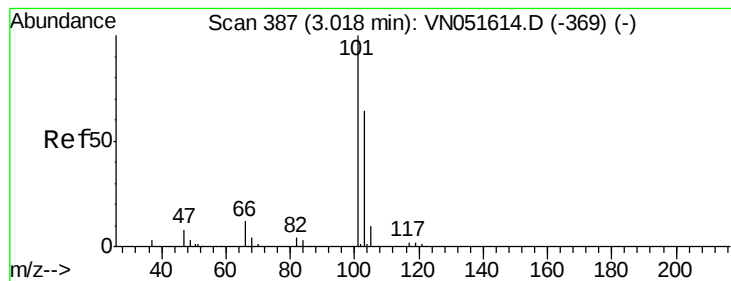
Tgt Ion: 64 Resp: 24045

Ion Ratio Lower Upper

64 100

66 29.4 26.1 39.1



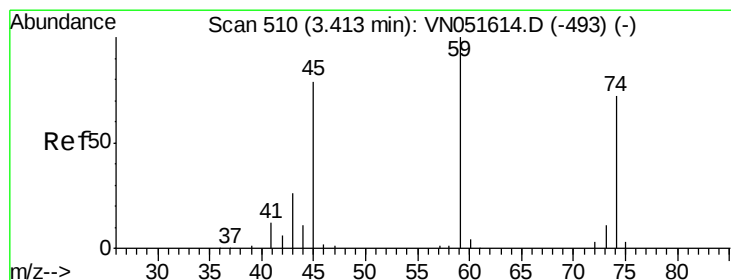
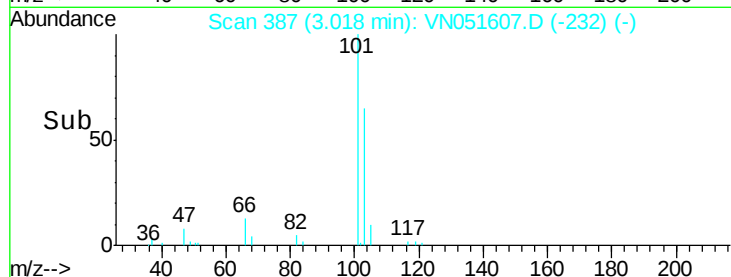
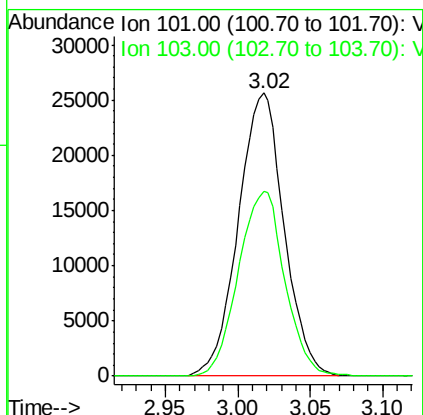
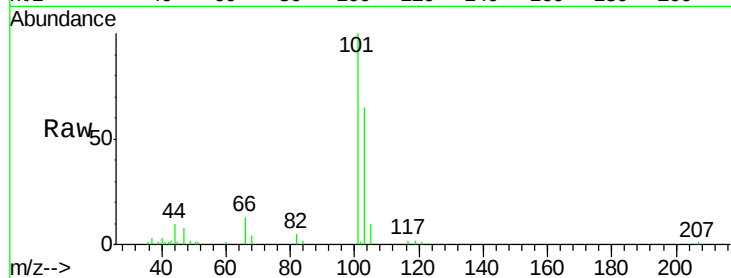


#7

Trichlorofluoromethane
 Concen: 4.818 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

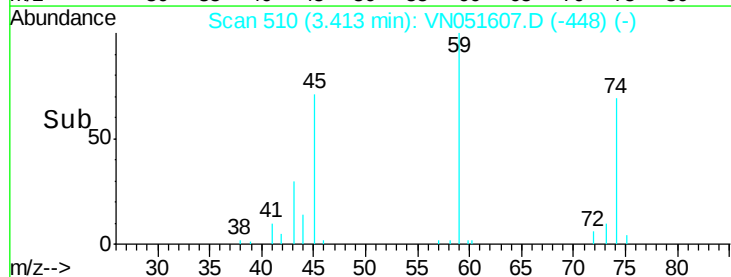
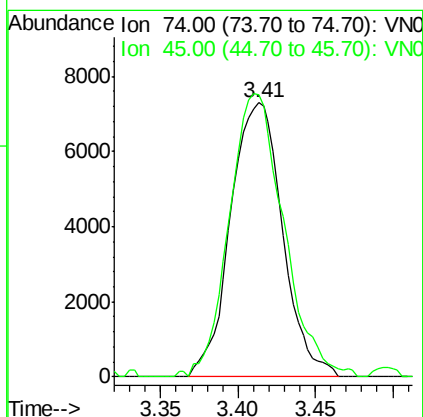
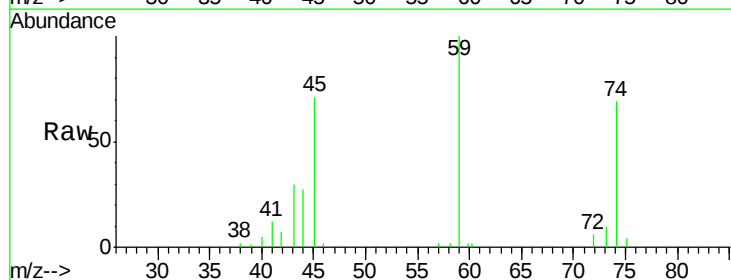
Tgt Ion: 101 Resp: 56178
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.2 76.8

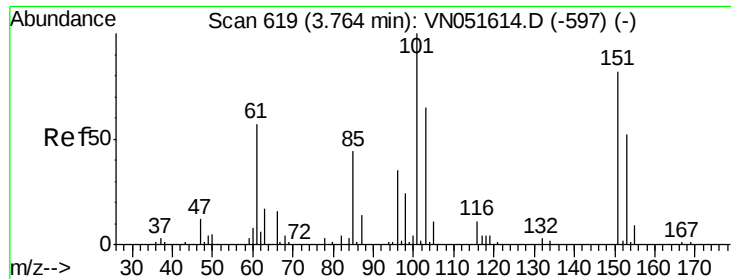


#8

Diethyl Ether
 Concen: 4.657 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 74 Resp: 17056
 Ion Ratio Lower Upper
 74 100
 45 107.7 21.3 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.127 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

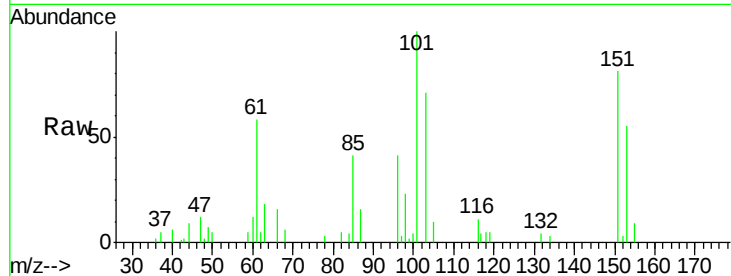
Tgt Ion: 101 Resp: 33795

Ion Ratio Lower Upper

101 100

85 22.1 0.0 89.4

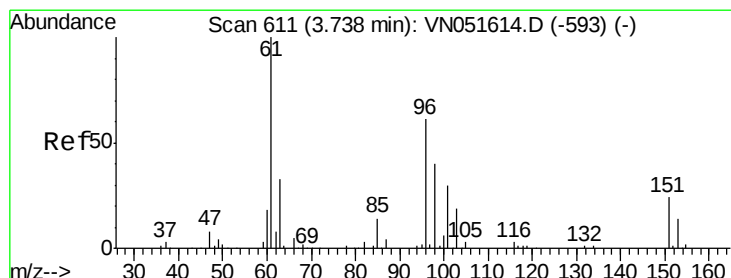
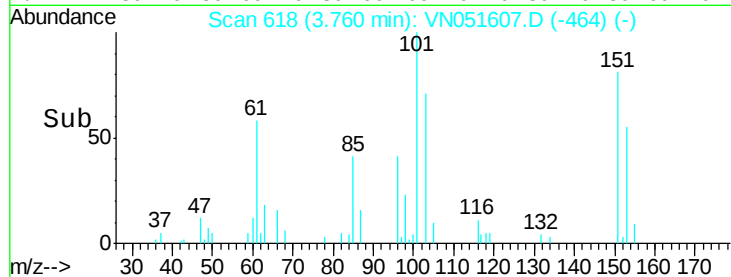
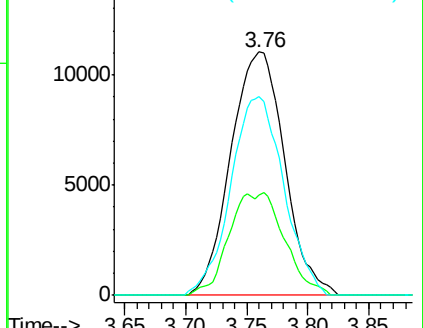
151 80.3 0.0 167.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.721 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

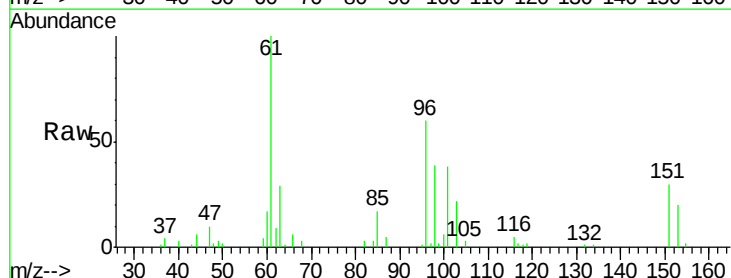
Tgt Ion: 96 Resp: 28242

Ion Ratio Lower Upper

96 100

61 165.9 131.0 196.4

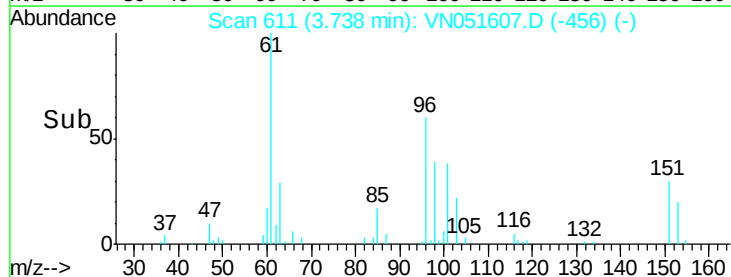
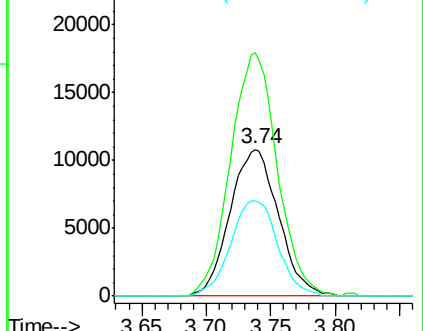
98 65.0 52.7 79.1

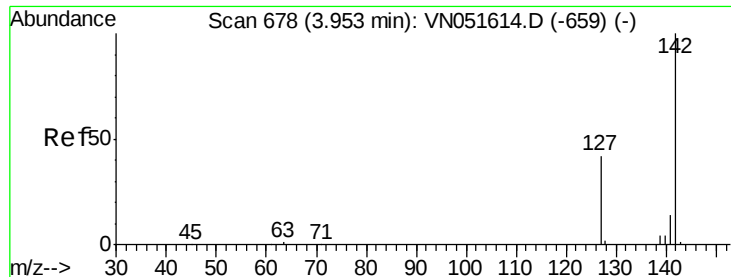


Abundance Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V

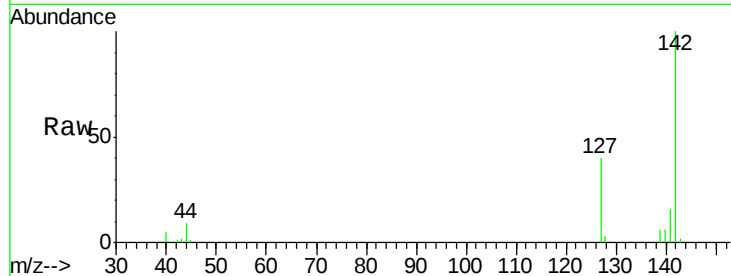




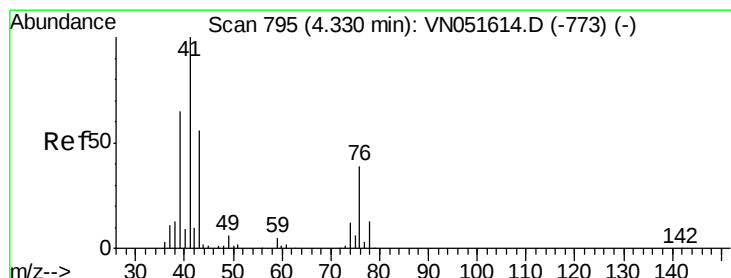
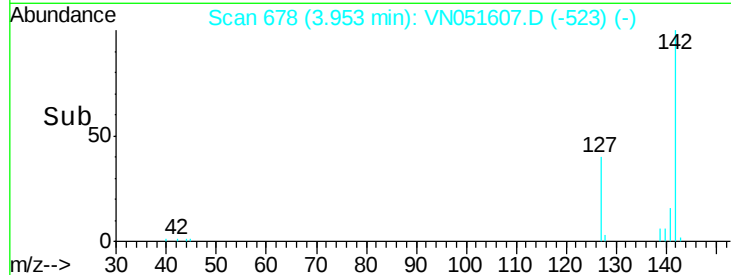
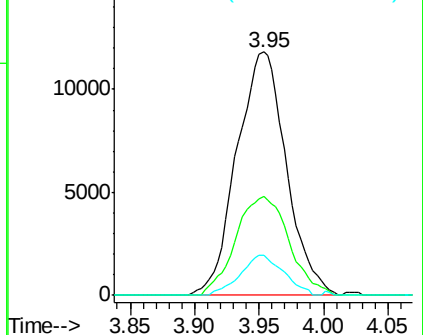
#11
Methyl Iodide
Concen: 4.109 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:142 Resp: 31636
Ion Ratio Lower Upper
142 100
127 40.4 21.1 63.1
141 16.2 7.1 21.4

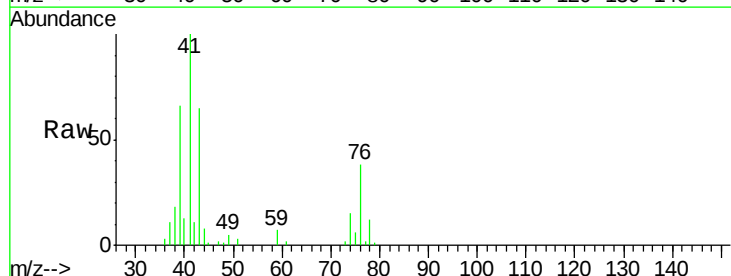


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

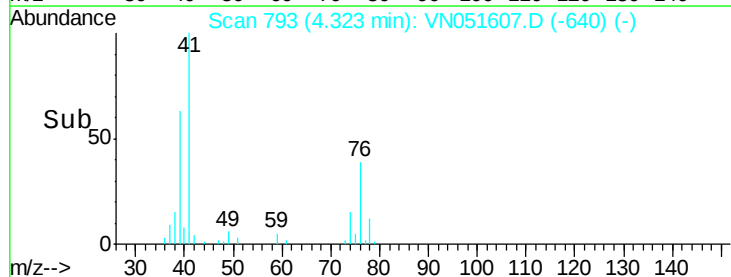
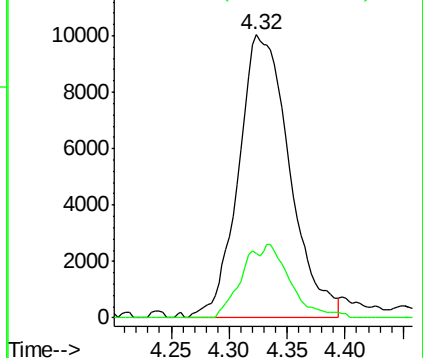


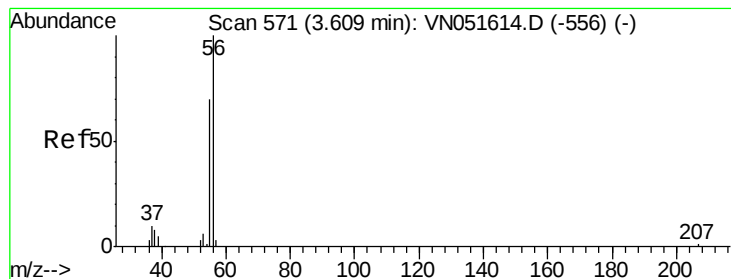
#12
Methyl Acetate
Concen: 5.824 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 43 Resp: 30744
Ion Ratio Lower Upper
43 100
74 22.6 17.0 25.4



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





#13

Acrolein

Concen: 23.828 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

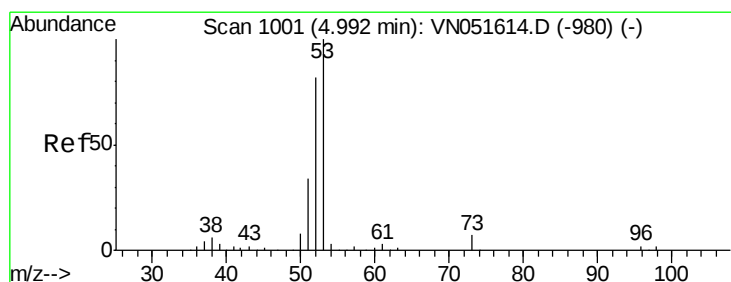
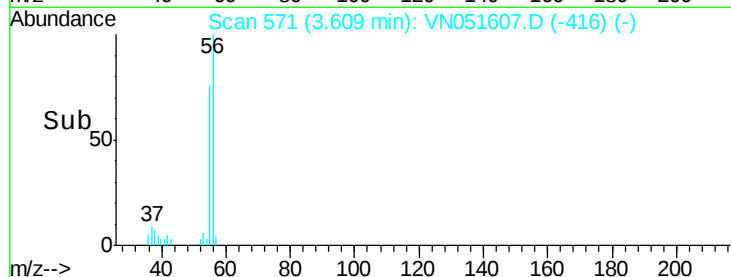
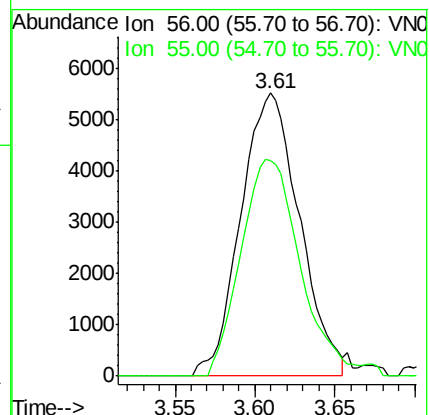
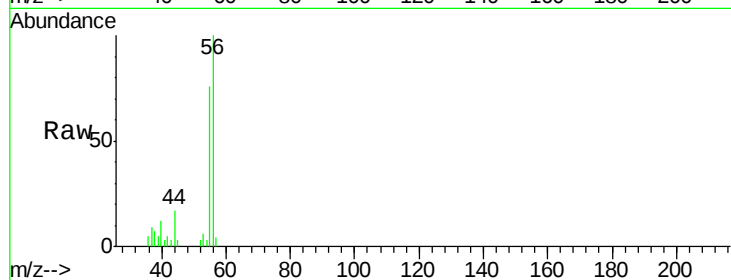
VSTDIC005

Tgt Ion: 56 Resp: 13898

Ion Ratio Lower Upper

56 100

55 77.5 55.8 83.8



#14

Acrylonitrile

Concen: 21.625 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

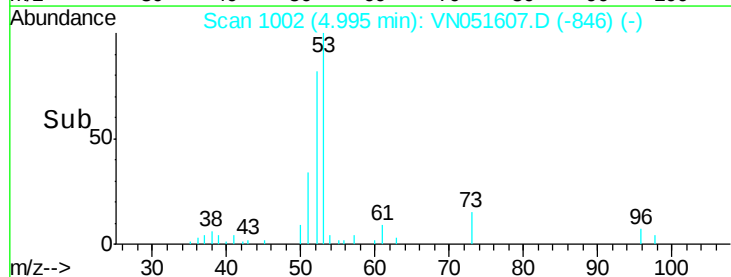
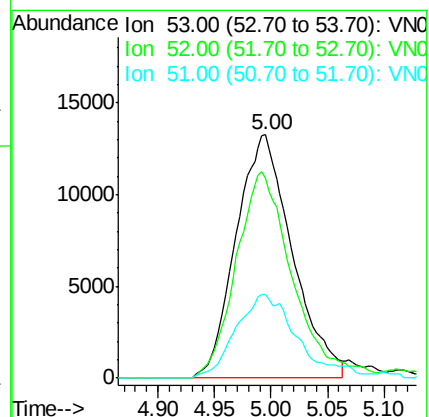
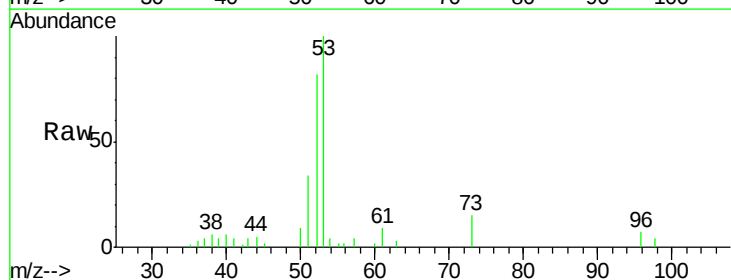
Tgt Ion: 53 Resp: 45720

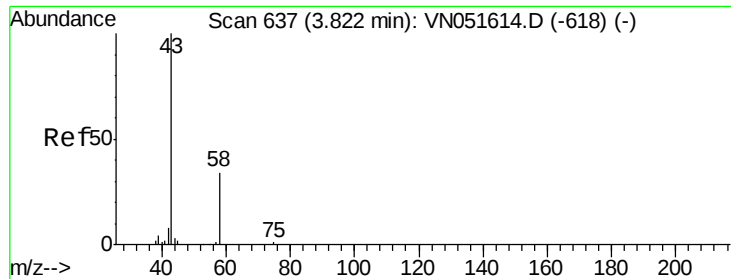
Ion Ratio Lower Upper

53 100

52 83.6 41.3 123.7

51 22.2 17.1 51.2





#15

Acetone

Concen: 29.006 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

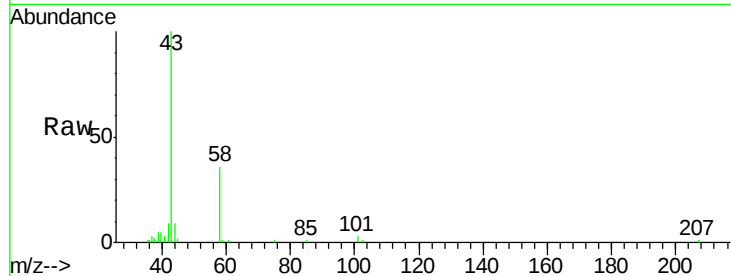
VSTDIC005

Tgt Ion: 58 Resp: 16079

Ion Ratio Lower Upper

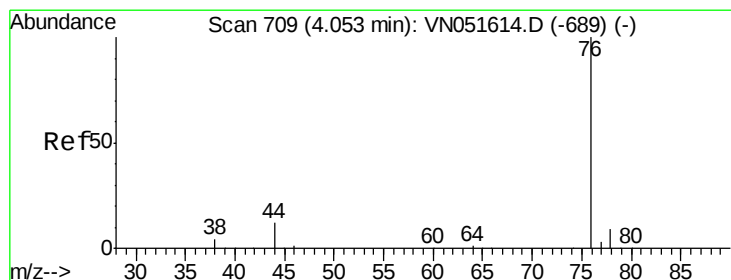
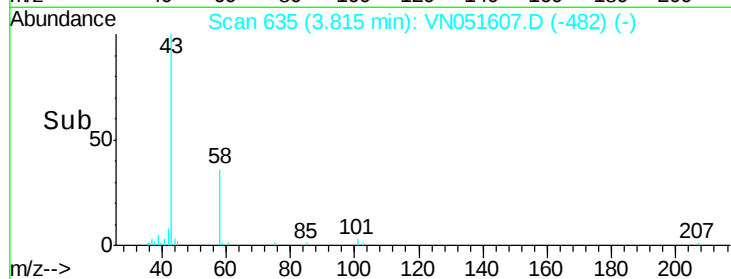
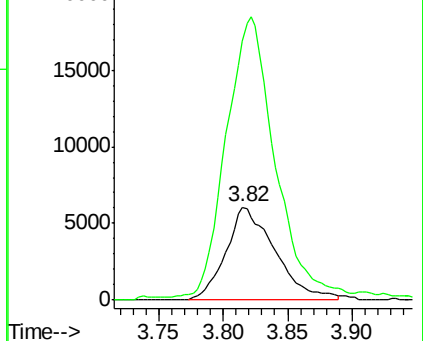
58 100

43 273.1 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN051614.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN051614.D (-618) (-)



#16

Carbon Disulfide

Concen: 4.738 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051607.D

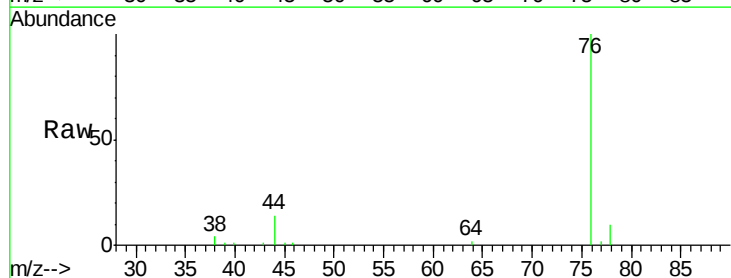
Acq: 28 Sep 2018 8:15

Tgt Ion: 76 Resp: 91323

Ion Ratio Lower Upper

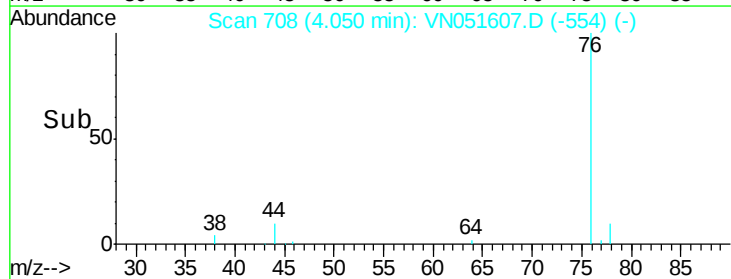
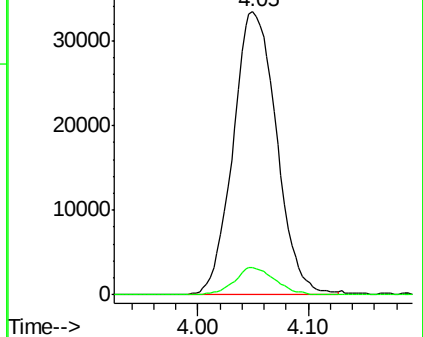
76 100

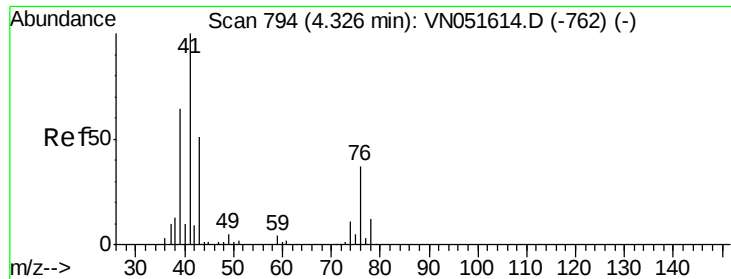
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN051614.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051614.D (-689) (-)

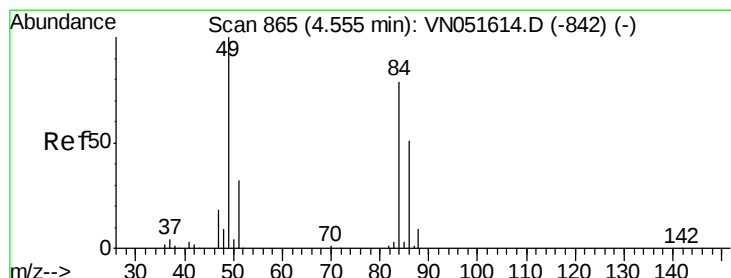
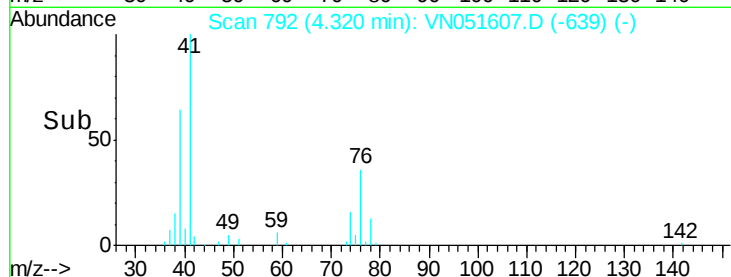
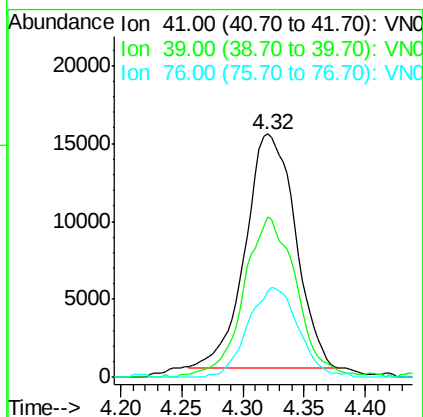
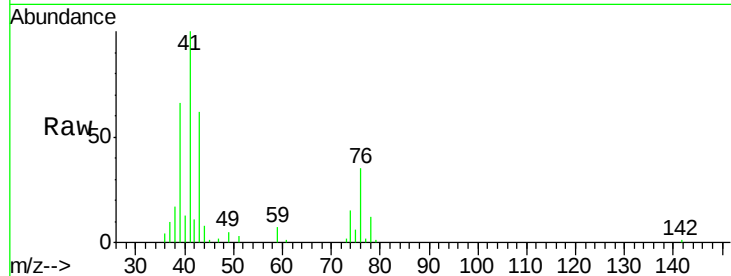




#17
 Allyl chloride
 Concen: 3.996 ug/l
 RT: 4.32 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

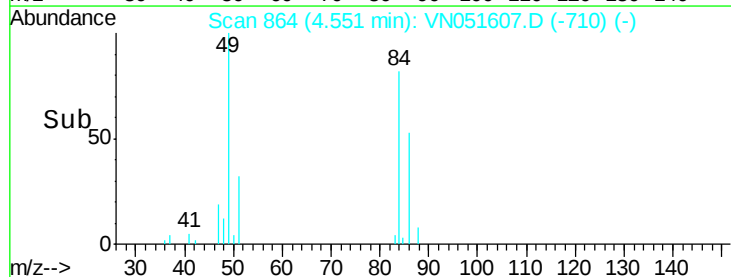
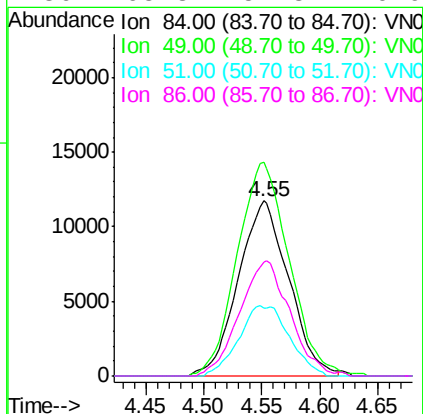
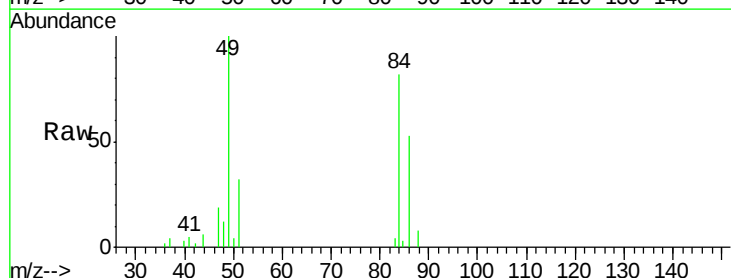
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

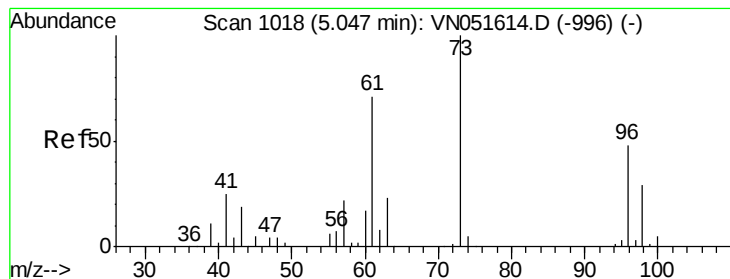
Tgt Ion: 41 Resp: 42761
 Ion Ratio Lower Upper
 41 100
 39 67.2 31.9 95.9
 76 36.6 18.6 56.0



#18
 Methylene Chloride
 Concen: 5.149 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 84 Resp: 35411
 Ion Ratio Lower Upper
 84 100
 49 122.2 100.9 151.3
 51 39.0 32.5 48.7
 86 65.3 51.3 76.9





#19

trans-1,2-Dichloroethene

Concen: 4.605 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

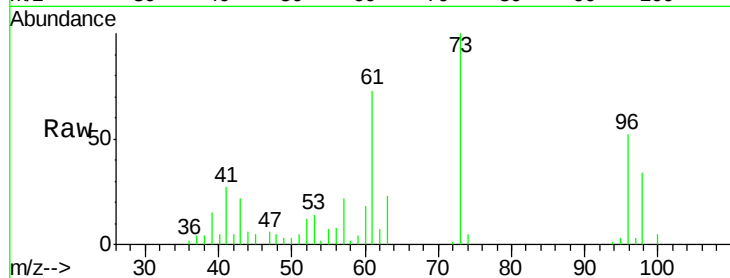
Tgt Ion: 96 Resp: 29242

Ion Ratio Lower Upper

96 100

61 138.0 118.0 177.0

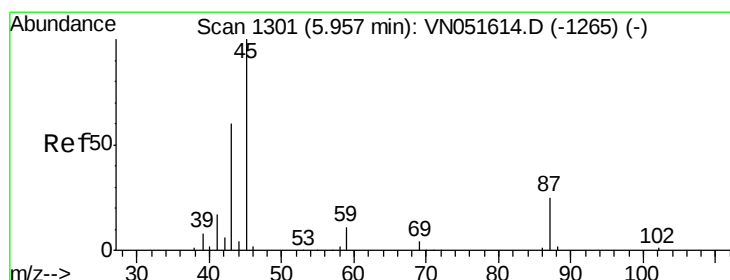
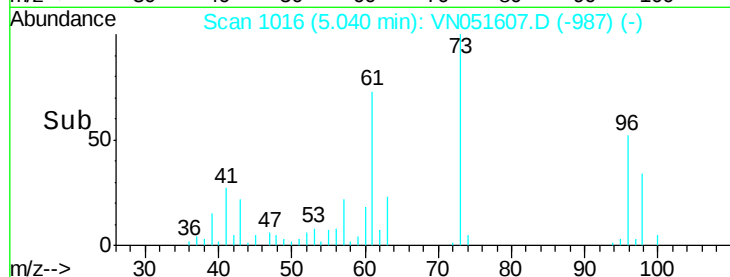
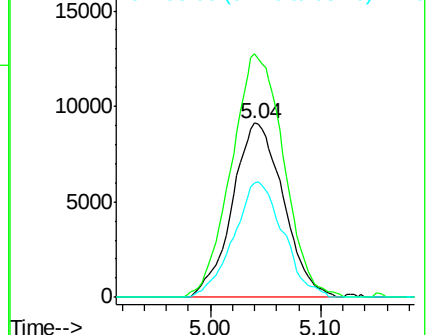
98 65.7 49.0 73.4



Abundance Ion 96.00 (95.70 to 96.70): VN051614.D (-996) (-)

Ion 61.00 (60.70 to 61.70): VN051614.D (-996) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-996) (-)



#20

Diisopropyl ether

Concen: 4.196 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.01 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Tgt Ion: 45 Resp: 89064

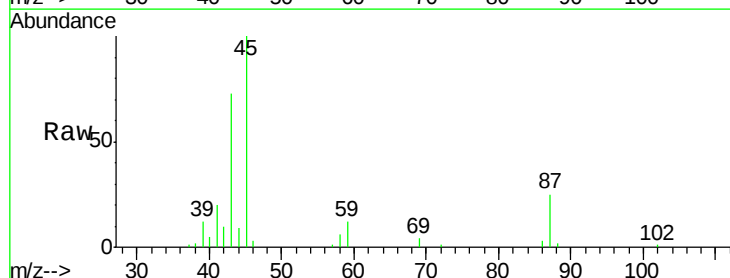
Ion Ratio Lower Upper

45 100

43 68.0 48.3 72.5

87 24.1 20.8 31.2

59 11.3 8.8 13.2

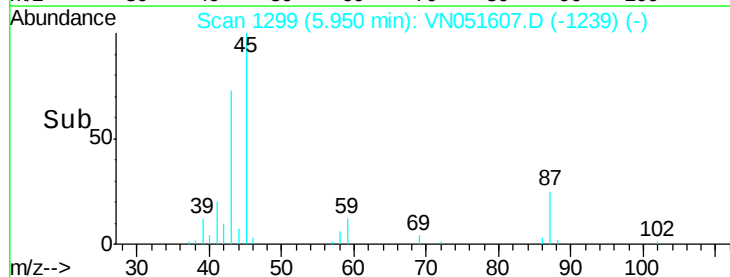
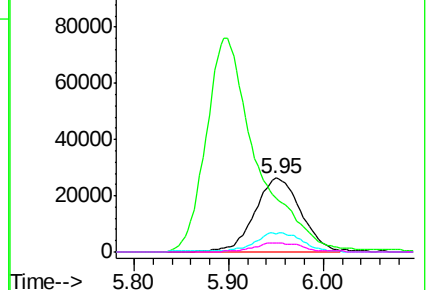


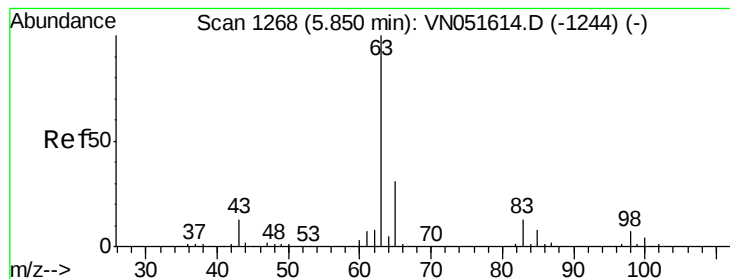
Abundance Ion 45.00 (44.70 to 45.70): VN051614.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN051614.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN051614.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN051614.D (-1265) (-)





#21

1,1-Dichloroethane

Concen: 4.944 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

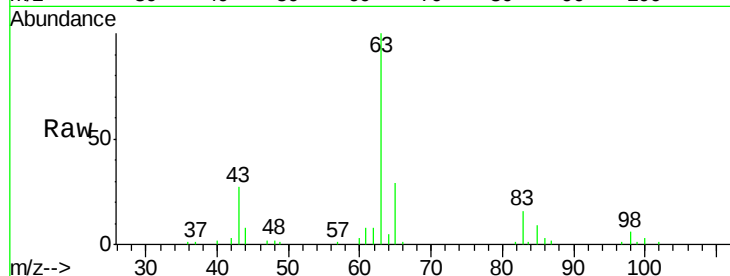
Tgt Ion: 63 Resp: 62201

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.9

100 3.2 2.0 5.8

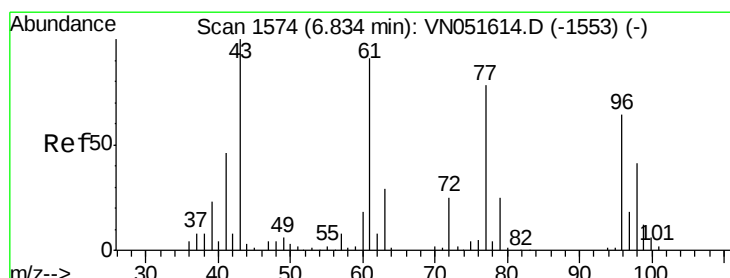
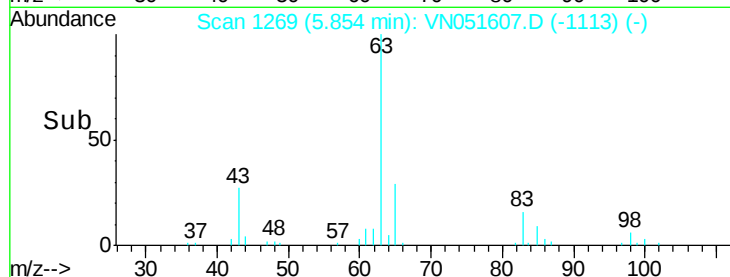


Abundance Ion 63.00 (62.70 to 63.70): VN051607.D (-1268) (-)

Ion 98.00 (97.70 to 98.70): VN051607.D (-1268) (-)

Ion 100.00 (99.70 to 100.70): VN051607.D (-1268) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 4.529 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

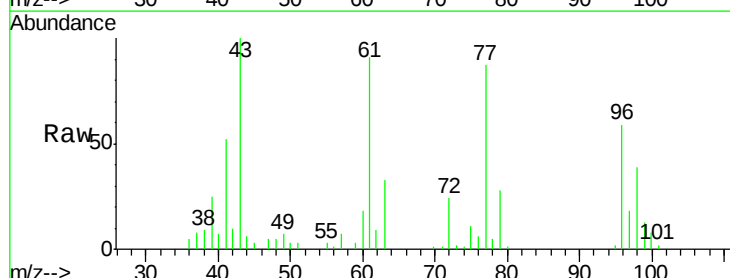
Tgt Ion: 96 Resp: 31408

Ion Ratio Lower Upper

96 100

61 150.8 120.4 180.6

98 64.8 51.4 77.0

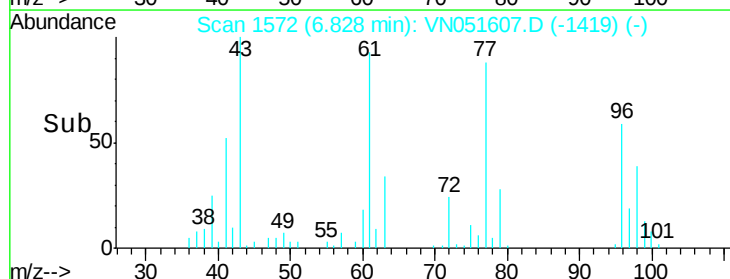


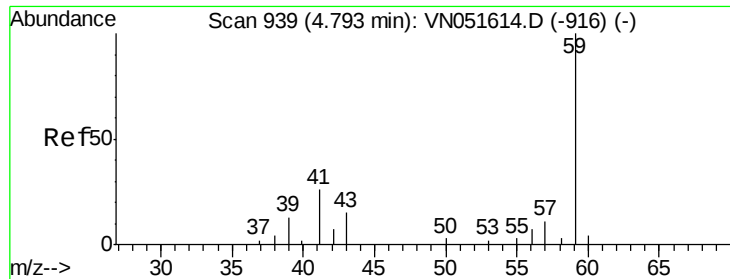
Abundance Ion 96.00 (95.70 to 96.70): VN051607.D (-1572) (-)

Ion 61.00 (60.70 to 61.70): VN051607.D (-1572) (-)

Ion 98.00 (97.70 to 98.70): VN051607.D (-1572) (-)

Time-->



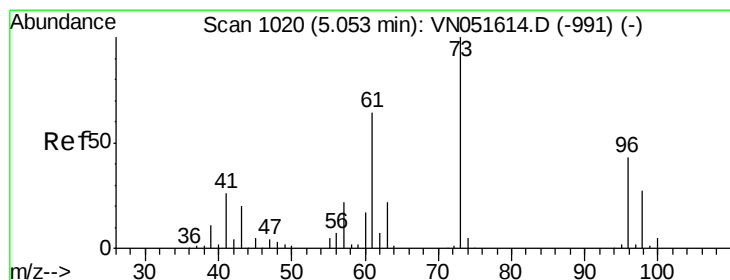
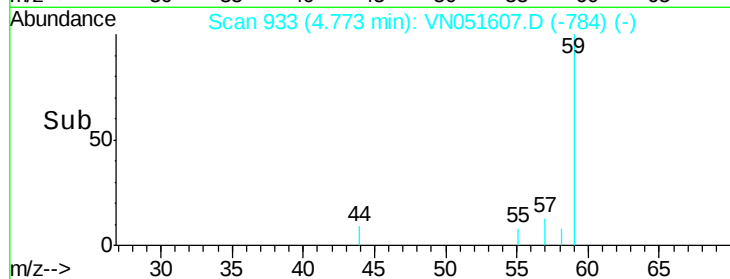
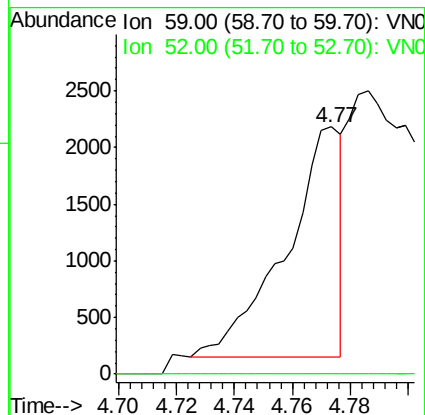
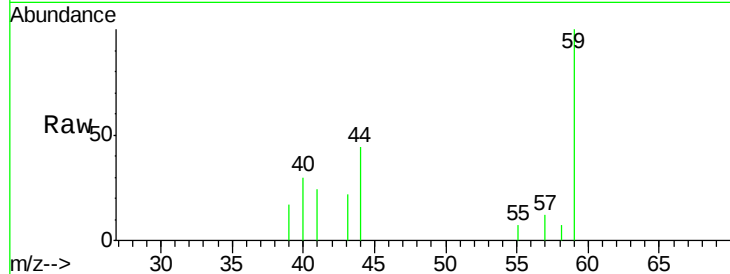


#23

tert-Butyl Alcohol
 Concen: 6.751 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.02 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

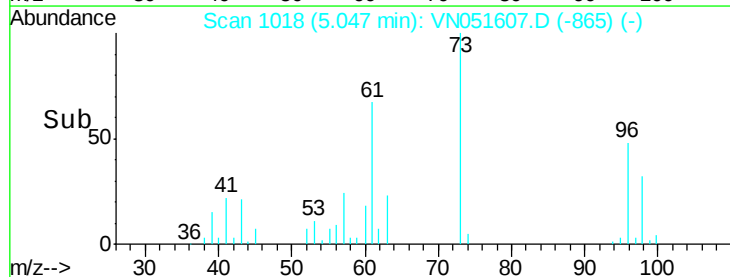
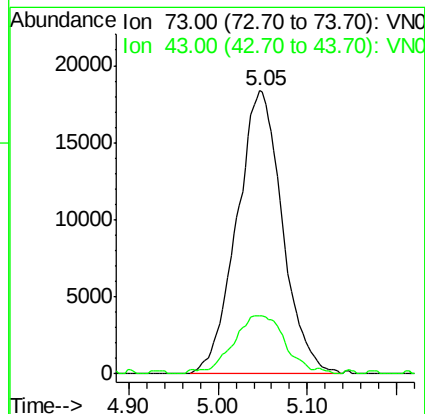
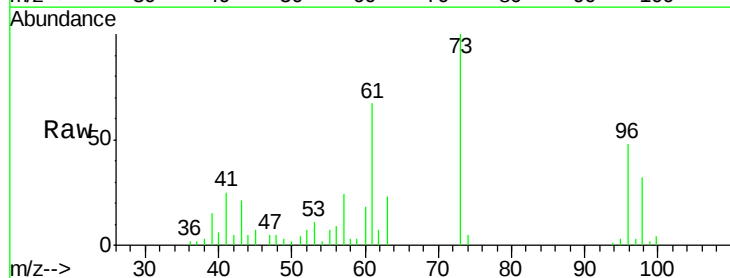
Tgt Ion: 59 Resp: 2720
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

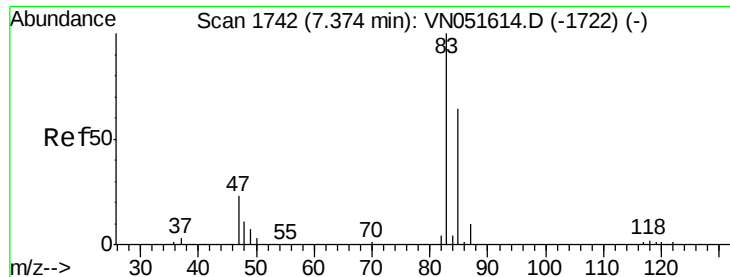


#24

Methyl tert-Butyl Ether
 Concen: 4.141 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 73 Resp: 65096
 Ion Ratio Lower Upper
 73 100
 43 22.7 16.1 24.1

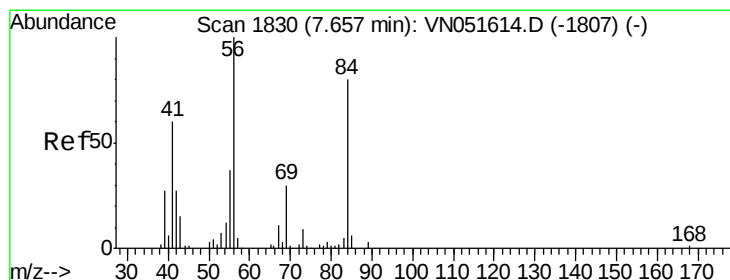
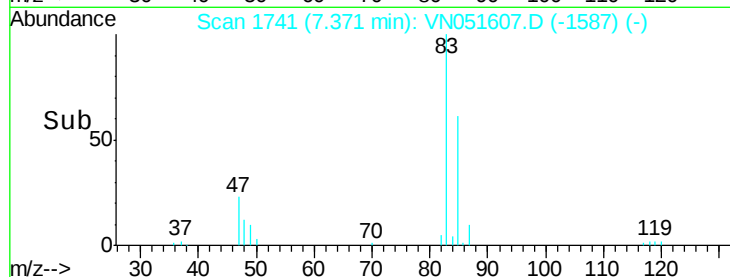
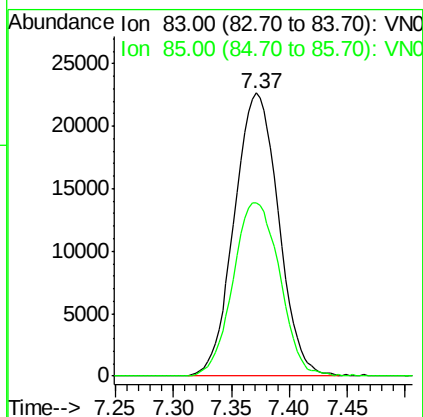
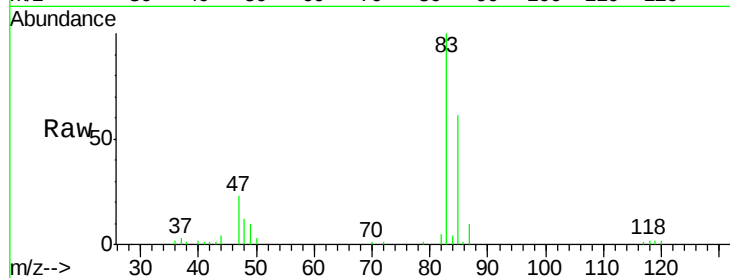




#25
Chloroform
Concen: 5.007 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

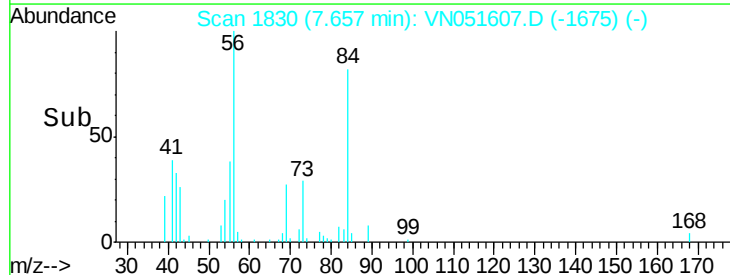
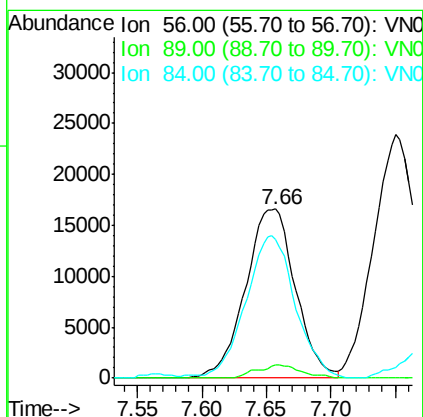
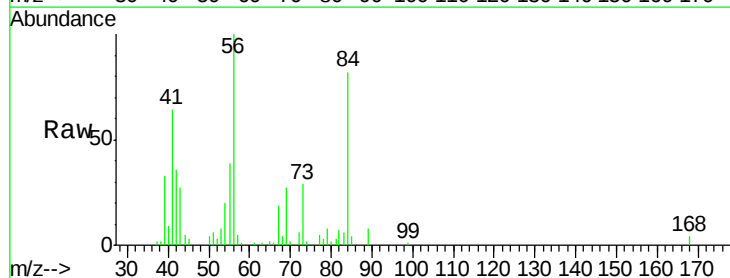
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

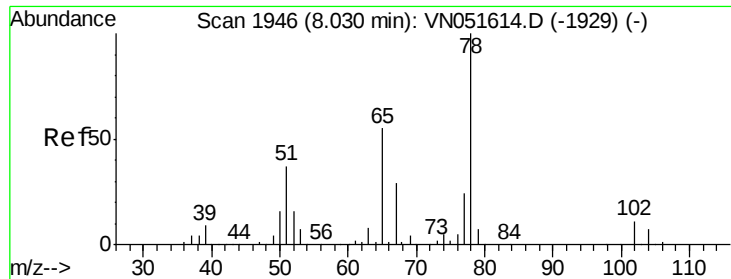
Tgt Ion: 83 Resp: 60235
Ion Ratio Lower Upper
83 100
85 61.4 51.4 77.0



#26
Cyclohexane
Concen: 4.115 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 56 Resp: 44807
Ion Ratio Lower Upper
56 100
89 3.7 2.2 3.2#
84 82.9 65.0 97.4

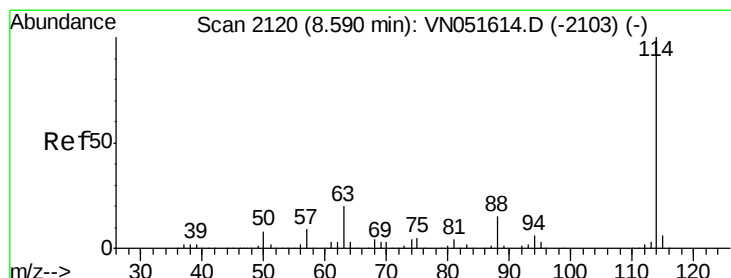
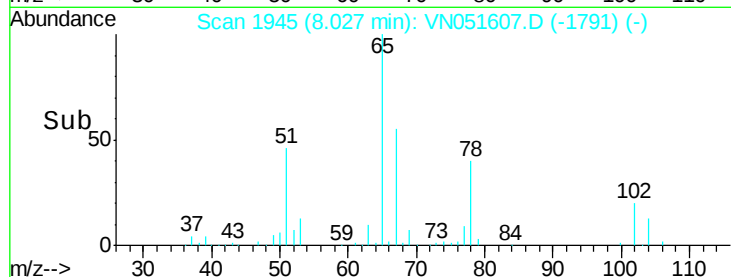
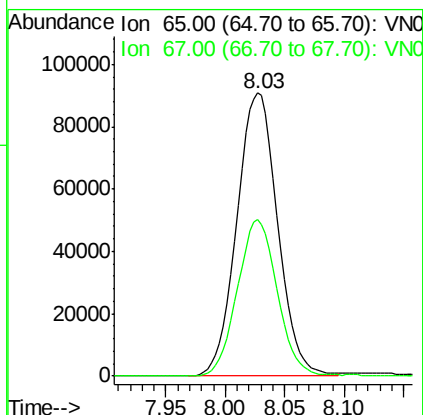
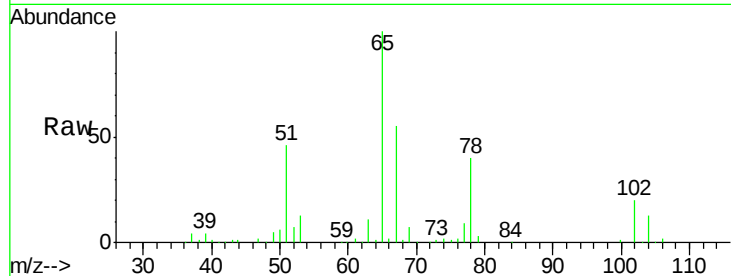




#27
 1,2-Dichloroethane-d4
 Concen: 4.115 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

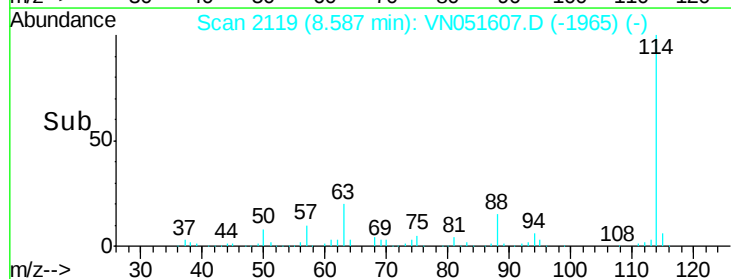
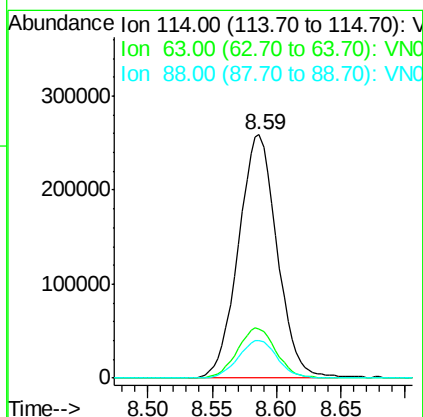
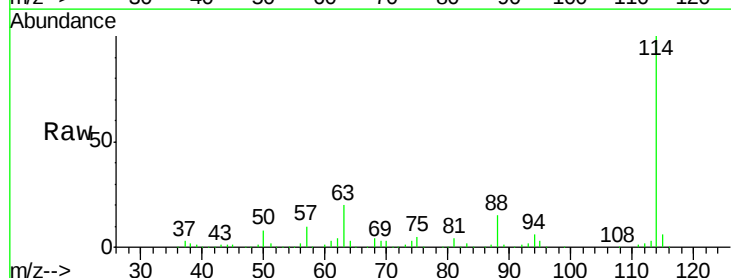
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

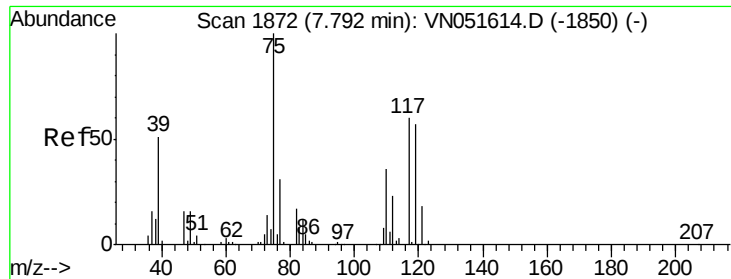
Tgt Ion: 65 Resp: 216118
 Ion Ratio Lower Upper
 65 100
 67 54.0 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 114 Resp: 539832
 Ion Ratio Lower Upper
 114 100
 63 20.8 16.4 24.6
 88 15.6 12.6 18.8

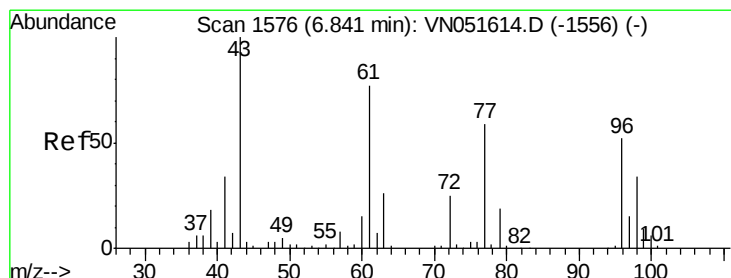
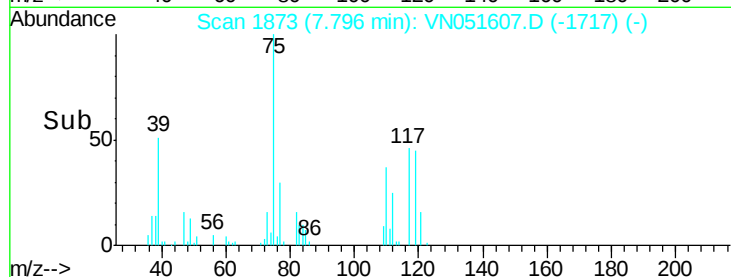
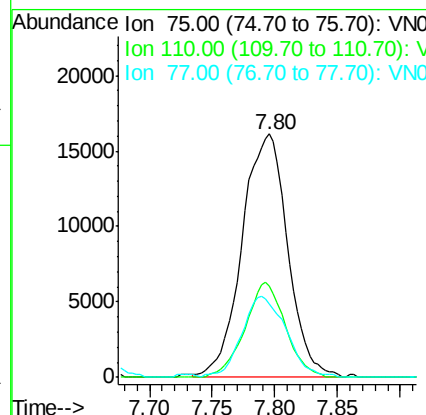
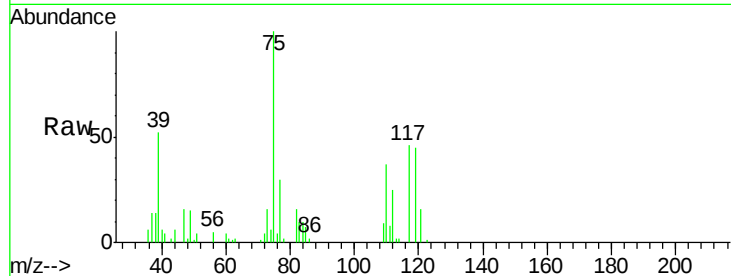




#29
 1,1-Dichloropropene
 Concen: 4.436 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

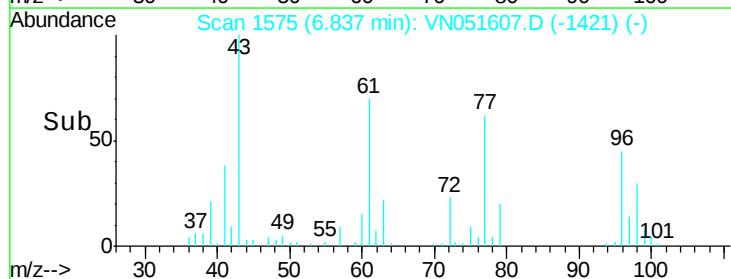
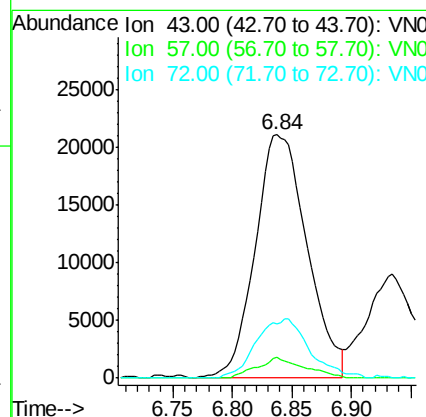
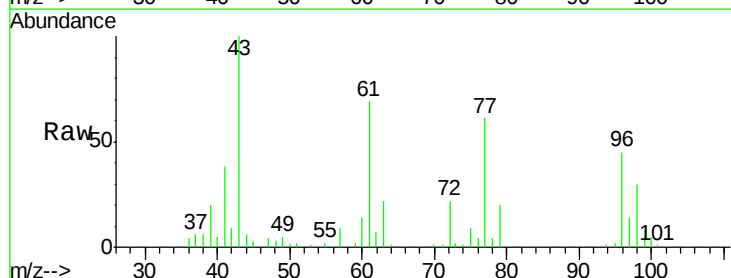
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

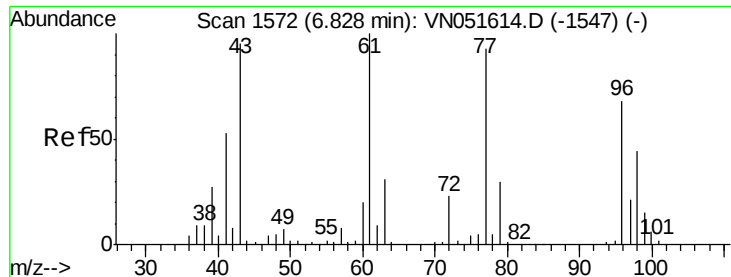
Tgt Ion: 75 Resp: 40831
 Ion Ratio Lower Upper
 75 100
 110 34.4 0.0 71.0
 77 30.0 0.0 62.4



#30
 2-Butanone
 Concen: 25.445 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 43 Resp: 63748
 Ion Ratio Lower Upper
 43 100
 57 7.8 6.6 10.0
 72 10.8 20.8 31.2#





#31

2,2-Dichloropropane

Concen: 4.865 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

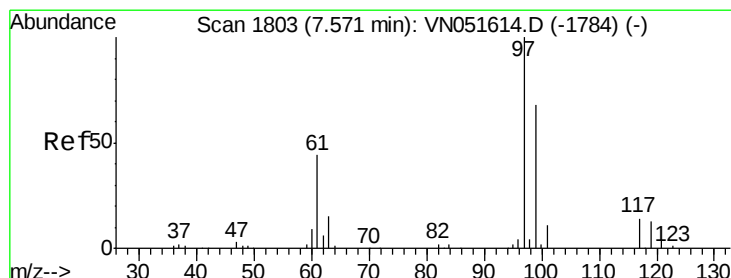
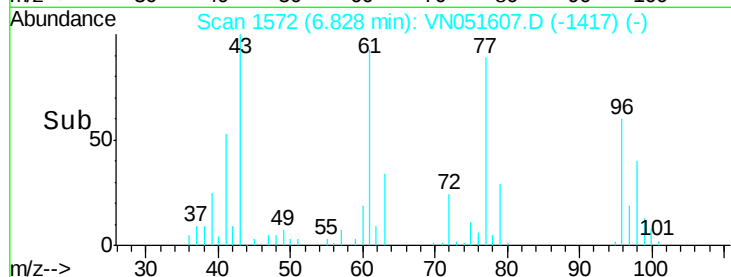
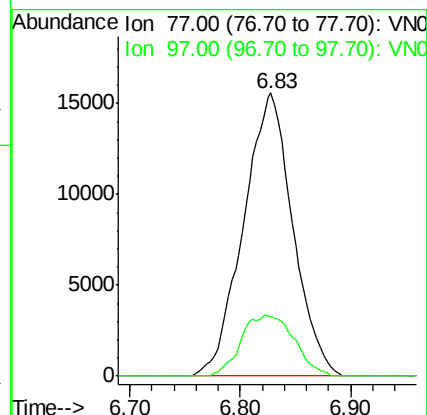
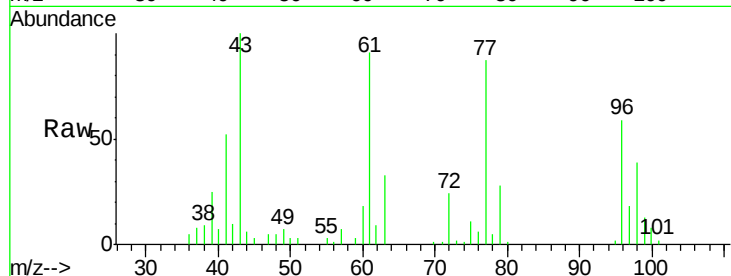
VSTDIC005

Tgt Ion: 77 Resp: 48329

Ion Ratio Lower Upper

77 100

97 8.0 18.6 28.0#



#32

1,1,1-Trichloroethane

Concen: 4.875 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

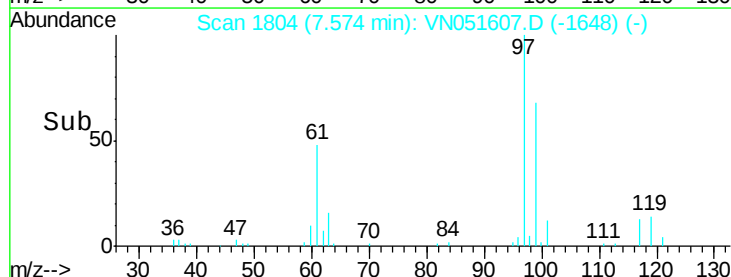
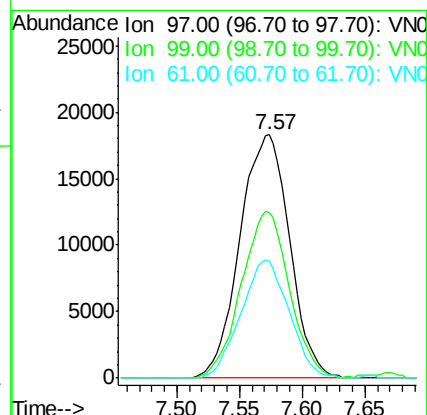
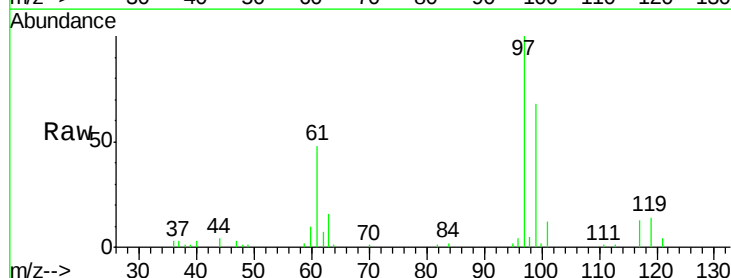
Tgt Ion: 97 Resp: 50420

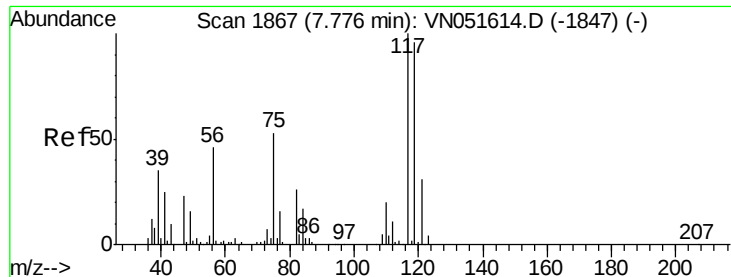
Ion Ratio Lower Upper

97 100

99 66.2 52.2 78.4

61 46.9 36.2 54.4

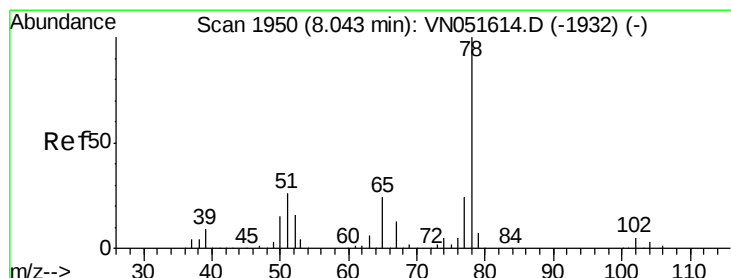
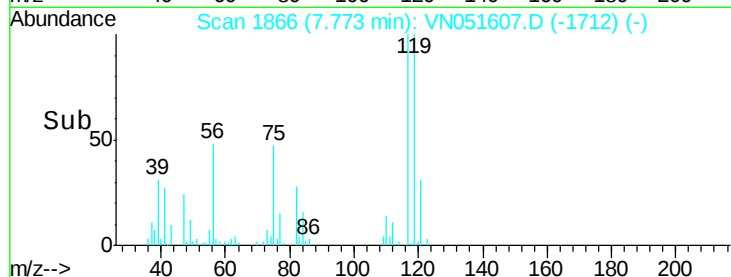
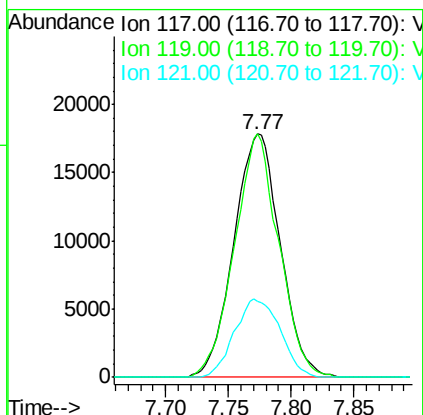
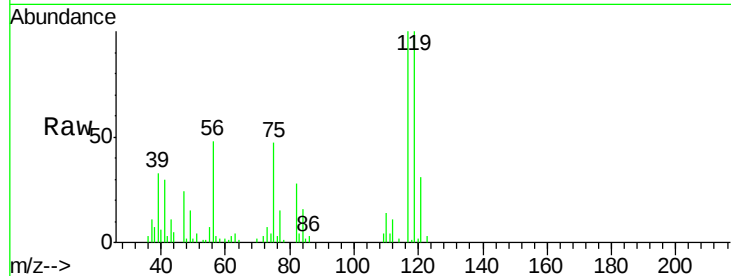




#33
Carbon Tetrachloride
Concen: 4.939 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

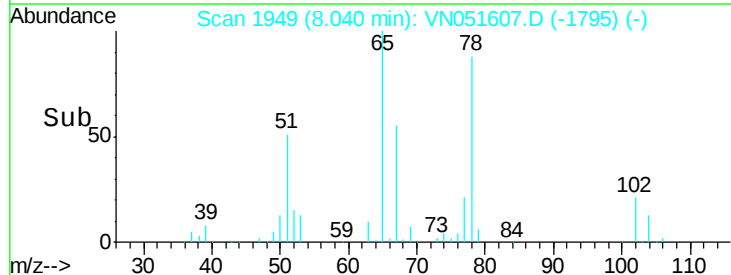
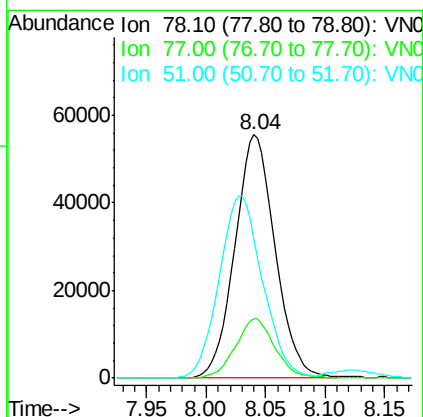
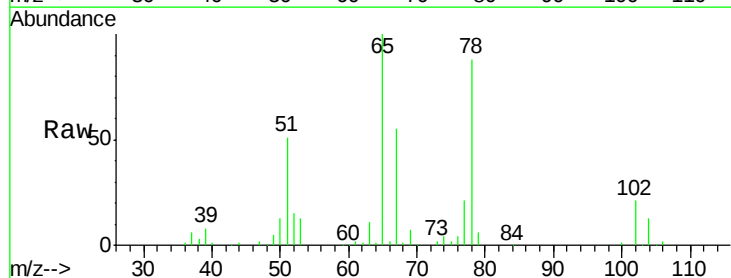
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

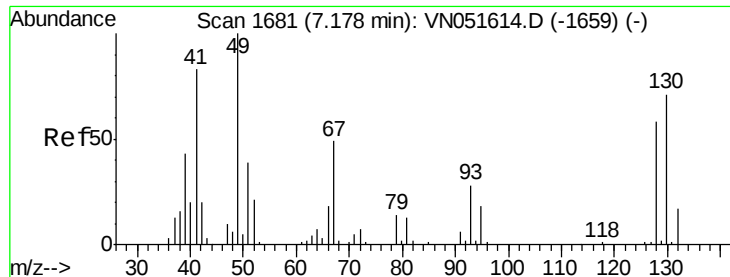
Tgt Ion: 117 Resp: 45909
Ion Ratio Lower Upper
117 100
119 100.0 76.5 114.7
121 31.4 25.0 37.6



#34
Benzene
Concen: 4.764 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 78 Resp: 130101
Ion Ratio Lower Upper
78 100
77 24.5 19.3 28.9
51 56.1 20.8 31.2#

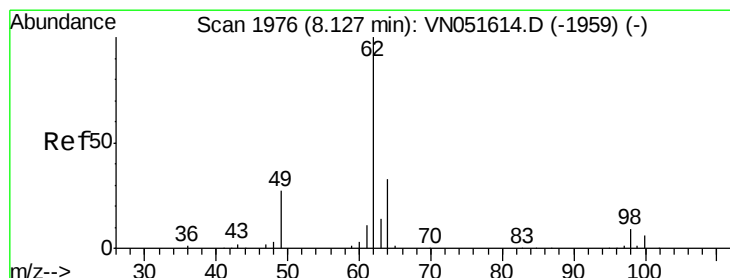
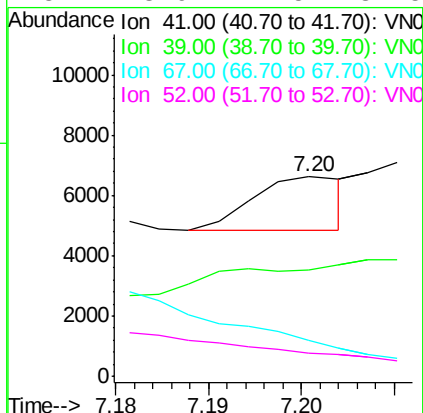
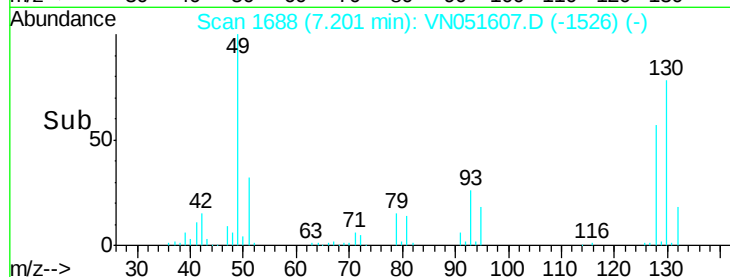
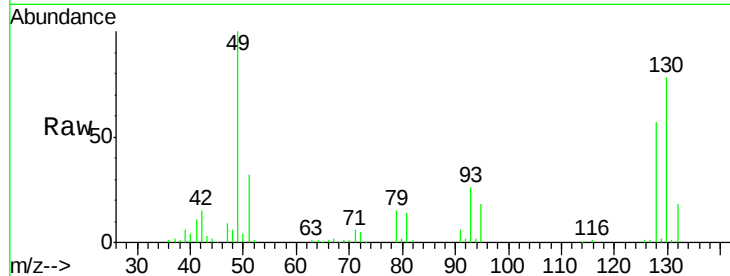




#35
Methacrylonitrile
Concen: 0.426 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.02 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

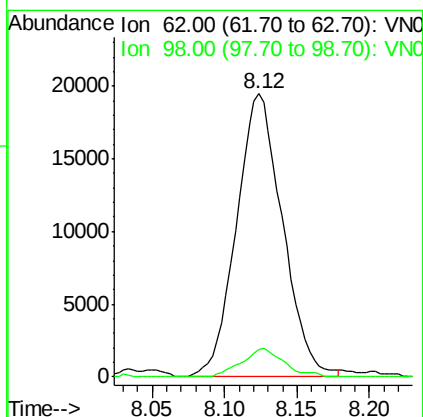
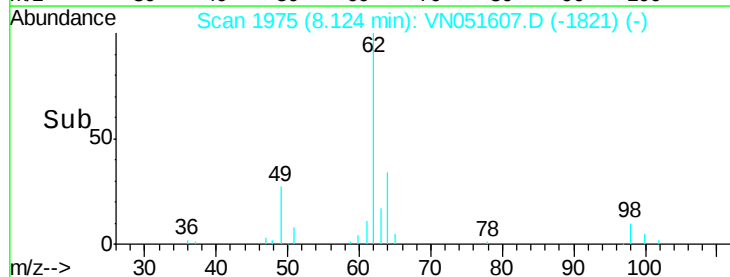
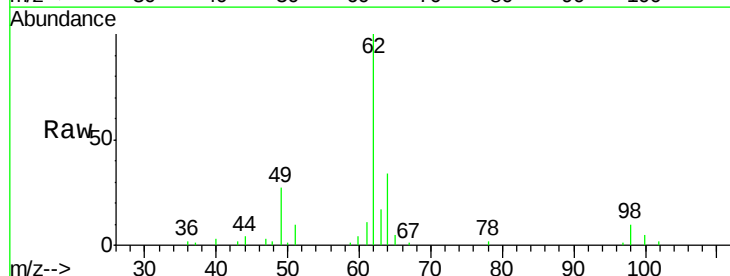
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

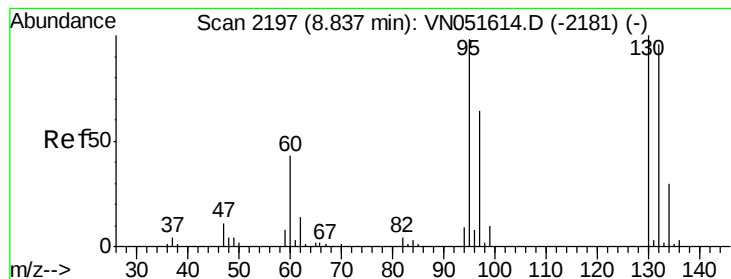
Tgt Ion: 41 Resp: 1237
Ion Ratio Lower Upper
41 100
39 26.2 25.6 76.8
67 15.7 29.4 88.2#
52 3.9 12.5 37.5#



#36
1,2-Dichloroethane
Concen: 4.948 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 62 Resp: 43071
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.2





#37

Trichloroethene

Concen: 4.709 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

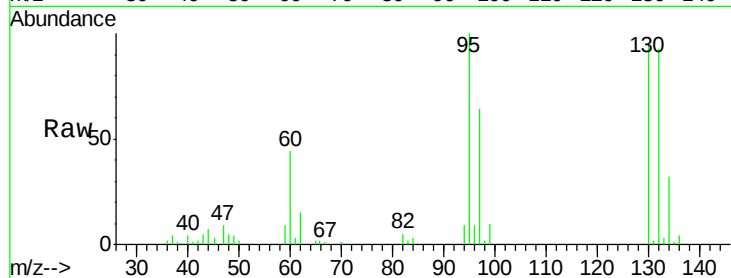
VSTDIC005

Tgt Ion:130 Resp: 33021

Ion Ratio Lower Upper

130 100

95 105.7 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): VN051614.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN051614.D (-2181) (-)

20000

15000

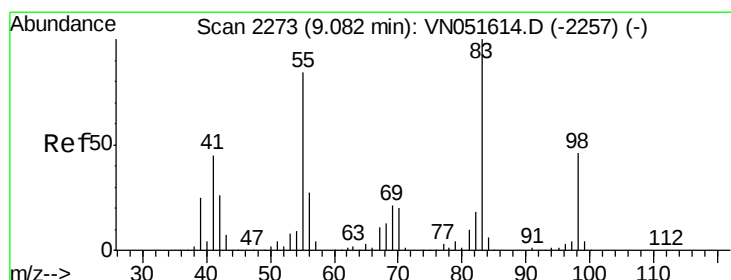
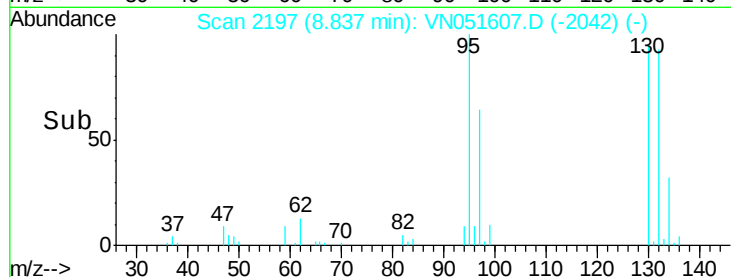
10000

5000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 4.213 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

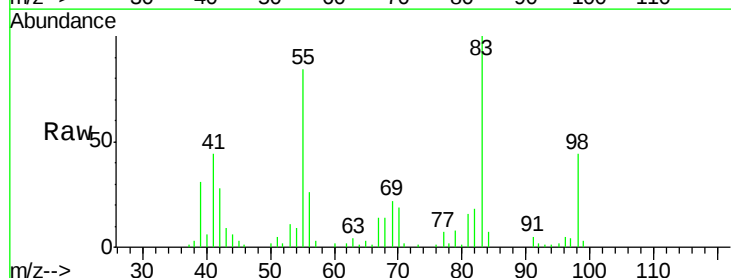
Tgt Ion: 83 Resp: 44754

Ion Ratio Lower Upper

83 100

55 88.2 41.6 124.9

98 44.4 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VN051614.D (-2257) (-)

Ion 55.00 (54.70 to 55.70): VN051614.D (-2257) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-2257) (-)

30000

25000

20000

15000

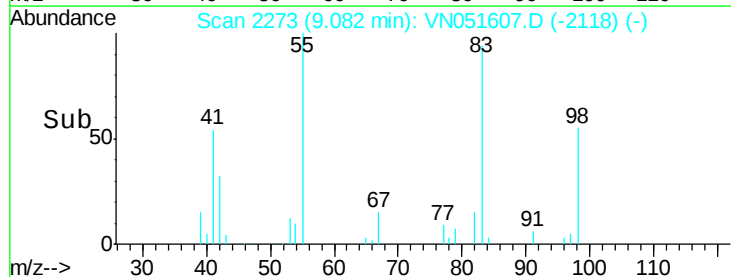
10000

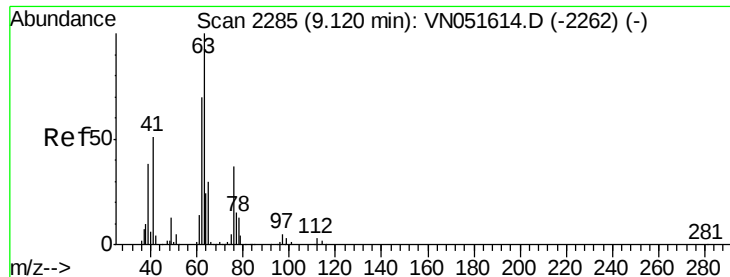
5000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 5.040 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

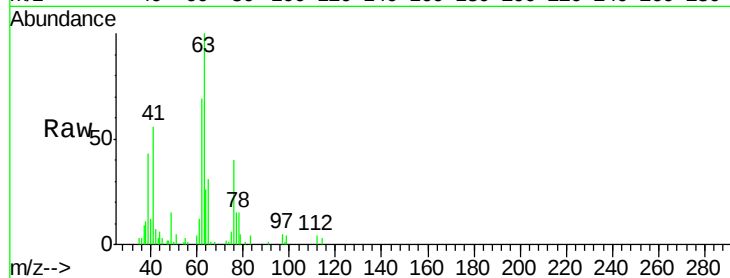
VSTDIC005

Tgt Ion: 63 Resp: 37716

Ion Ratio Lower Upper

63 100

65 31.4 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

20000

15000

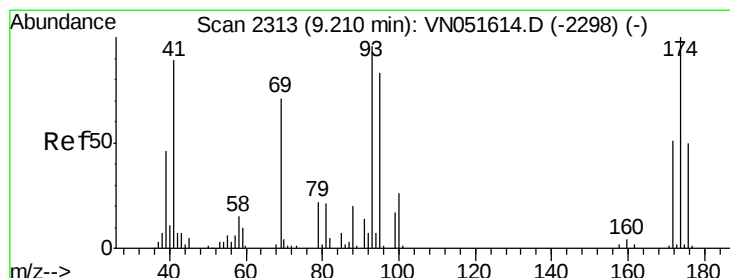
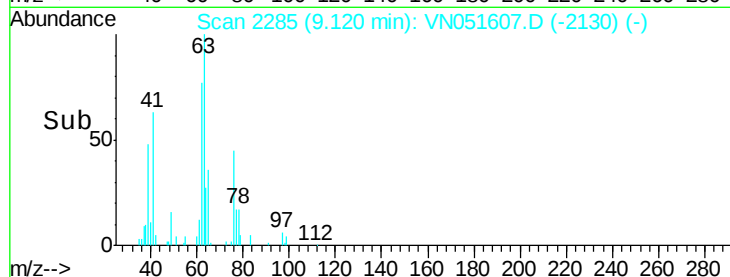
10000

5000

0

Time--> 9.00 9.05 9.10 9.15 9.20

9.12



#40

Dibromomethane

Concen: 4.823 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

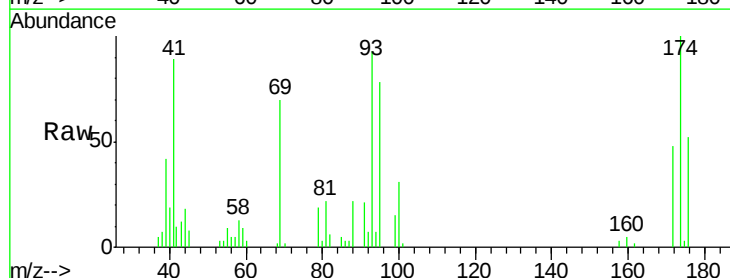
Tgt Ion: 93 Resp: 20048

Ion Ratio Lower Upper

93 100

95 86.6 0.0 171.0

174 105.8 0.0 212.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

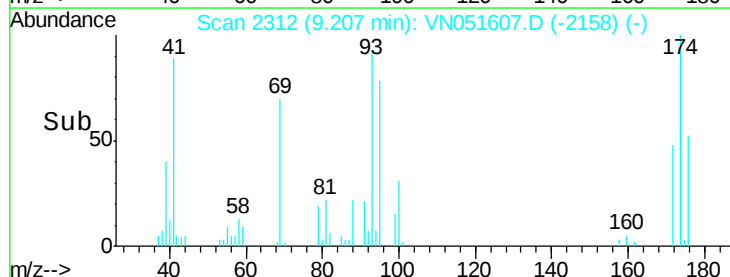
10000

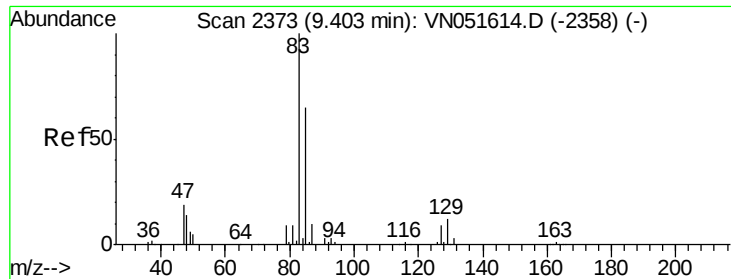
5000

0

Time--> 9.15 9.20 9.25

9.21

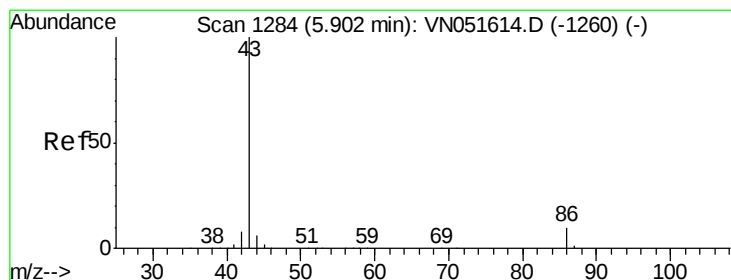
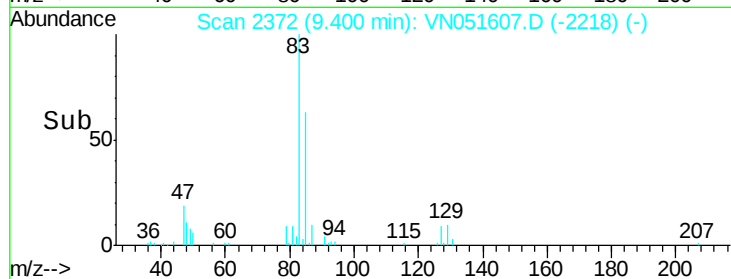
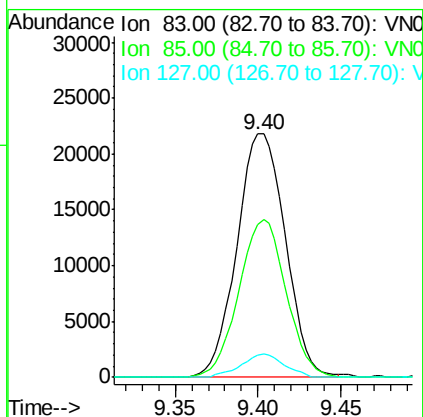
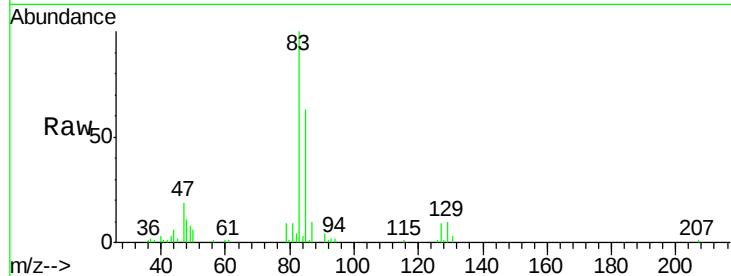




#41
 Bromodichloromethane
 Concen: 4.877 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

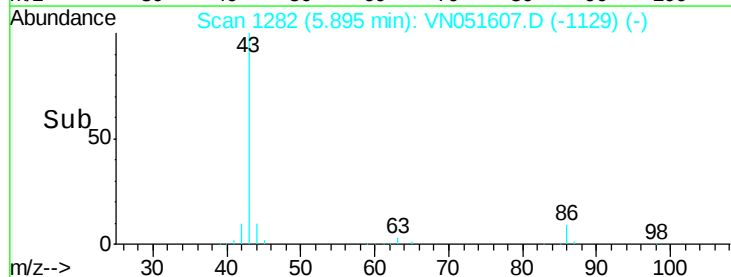
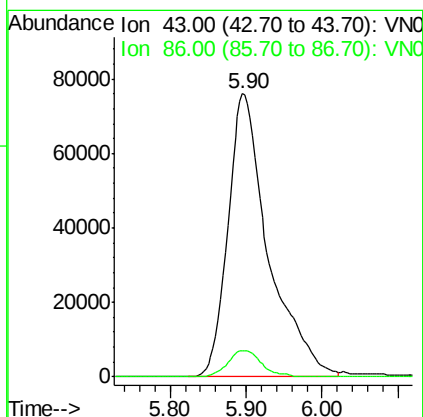
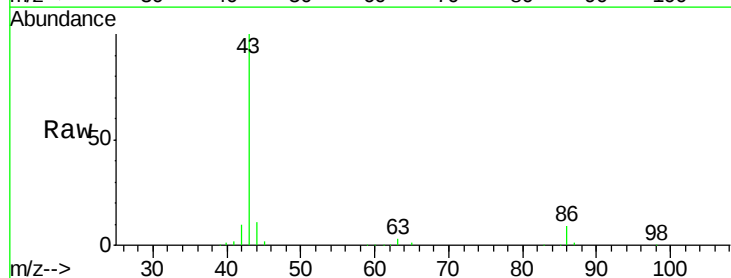
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

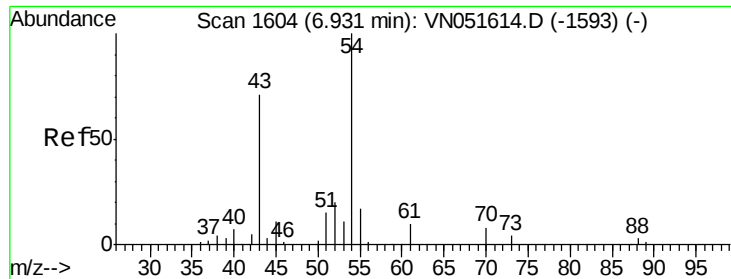
Tgt Ion: 83 Resp: 44251
 Ion Ratio Lower Upper
 83 100
 85 62.6 52.1 78.1
 127 9.3 7.1 10.7



#42
 Vinyl Acetate
 Concen: 20.193 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 43 Resp: 281643
 Ion Ratio Lower Upper
 43 100
 86 3.6 6.6 9.8#

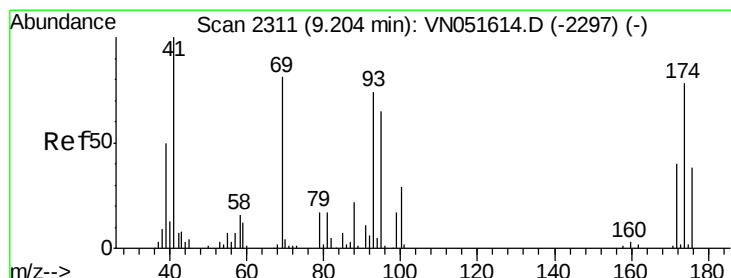
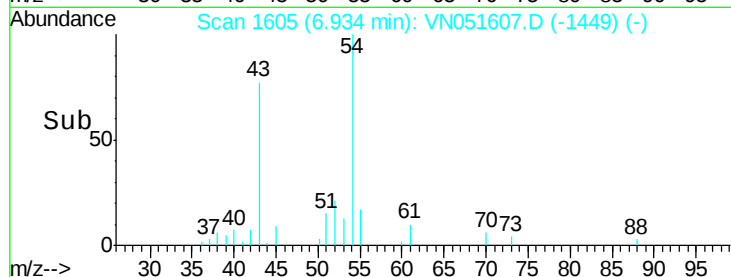
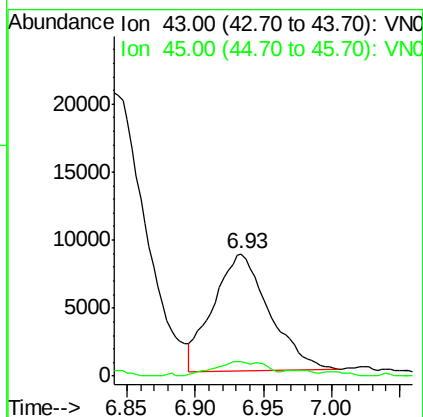
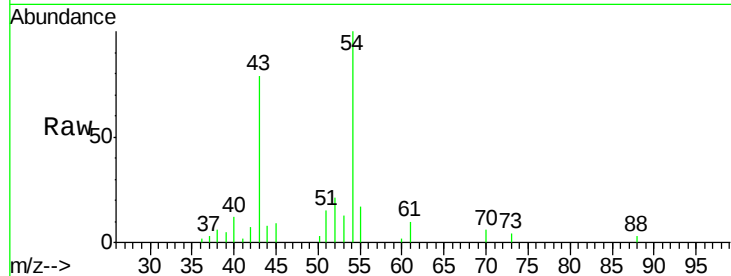




#43
Ethyl Acetate
Concen: 4.607 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

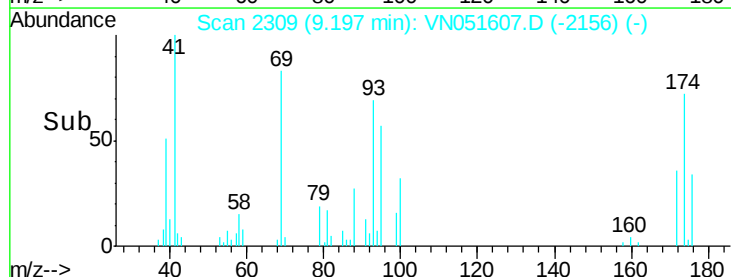
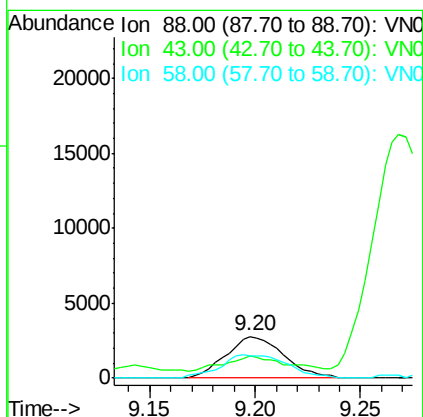
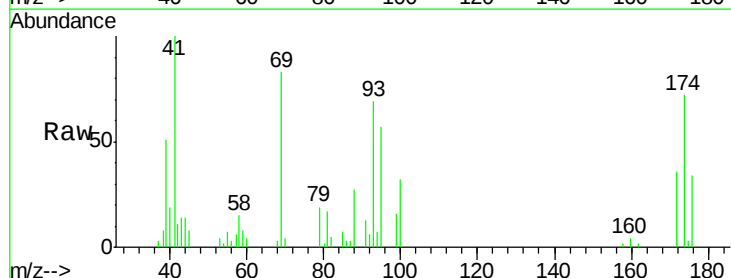
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

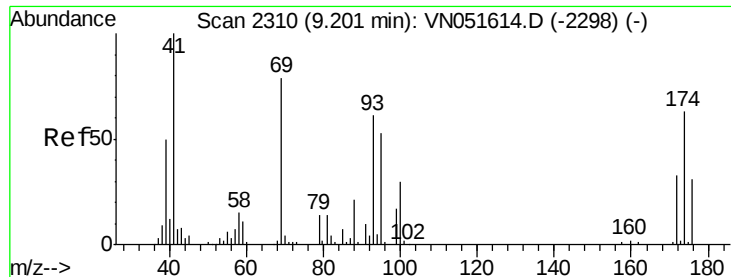
Tgt Ion: 43 Resp: 24429
Ion Ratio Lower Upper
43 100
45 8.2 10.6 16.0#



#45
1,4-Dioxane
Concen: 94.360 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.01 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 88 Resp: 5293
Ion Ratio Lower Upper
88 100
43 13.0 29.0 43.6#
58 65.3 59.0 88.6

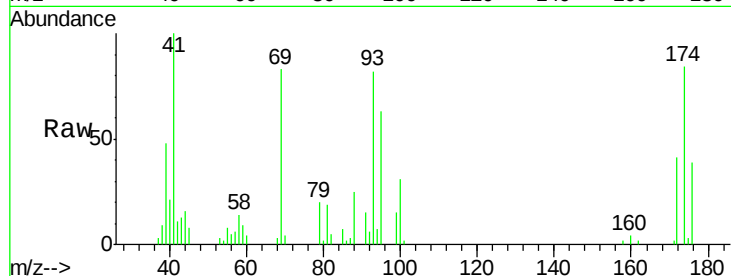




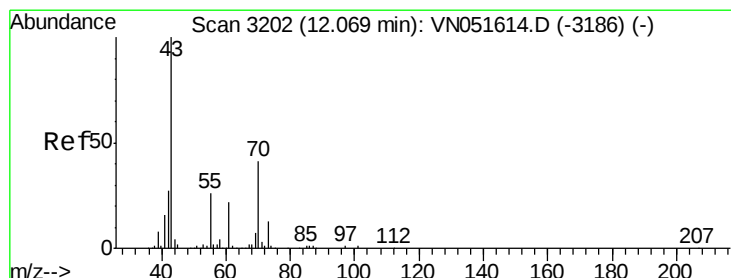
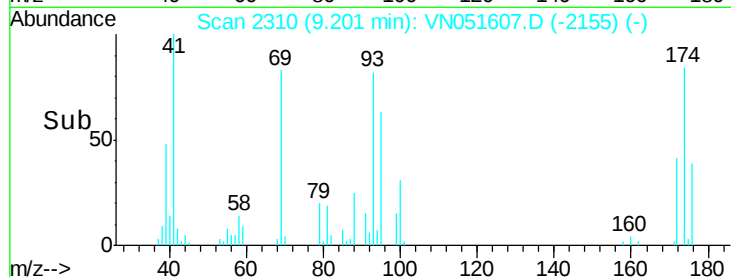
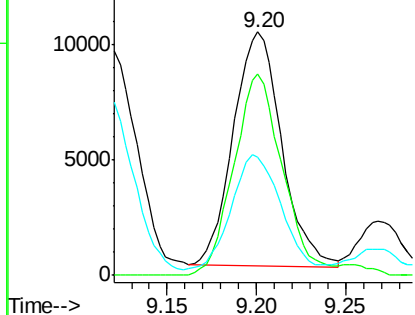
#46
Methyl methacrylate
Concen: 3.984 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 19242
Ion Ratio Lower Upper
41 100
69 86.5 39.6 118.7
39 47.7 24.9 74.6

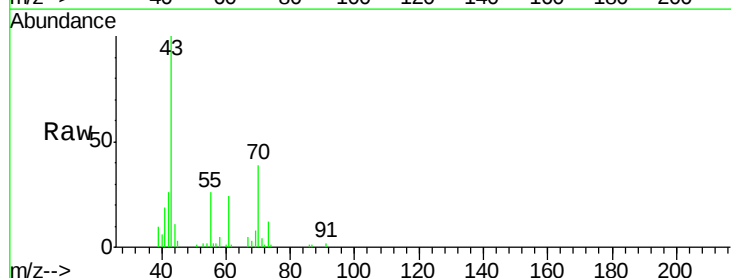


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

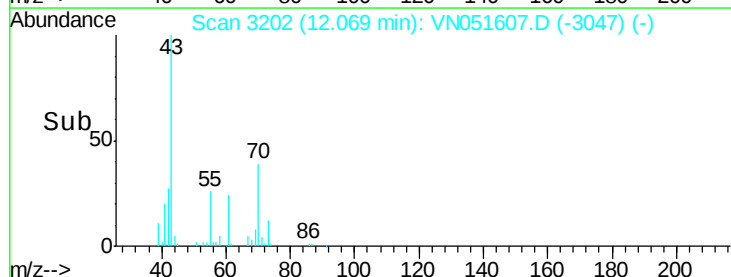
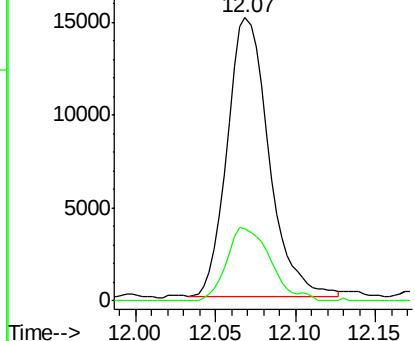


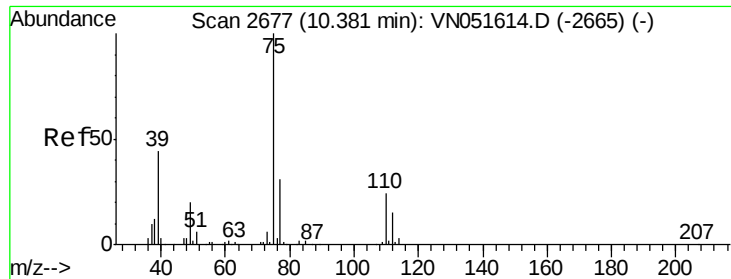
#47
n-ethyl acetate
Concen: 3.406 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 43 Resp: 26458
Ion Ratio Lower Upper
43 100
55 26.9 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0

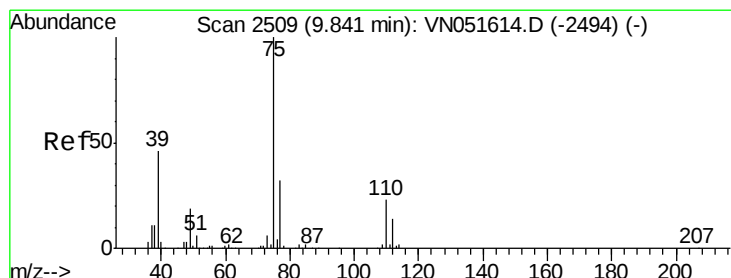
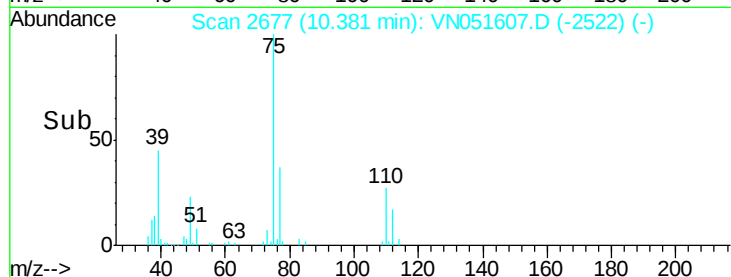
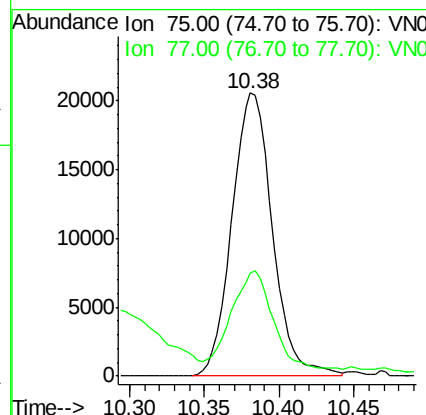
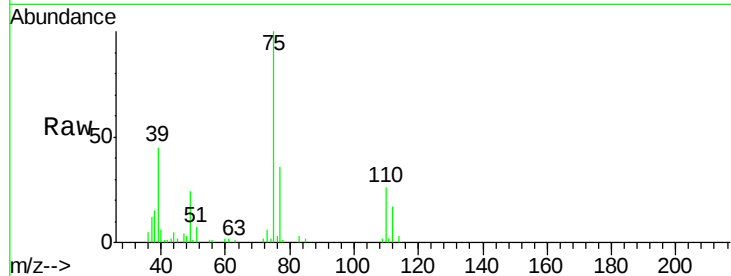




#48
 t-1,3-Dichloropropene
 Concen: 4.287 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

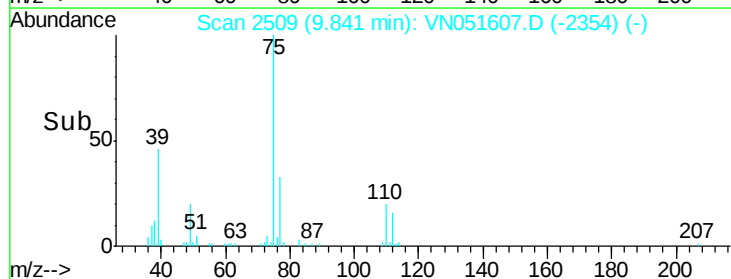
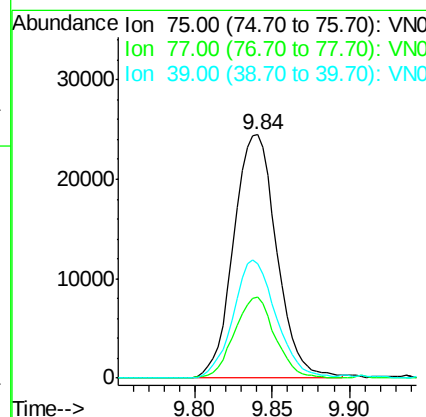
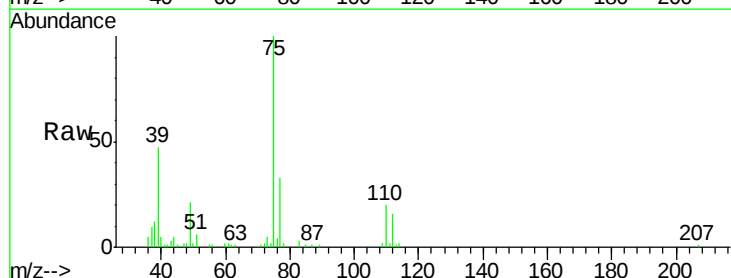
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

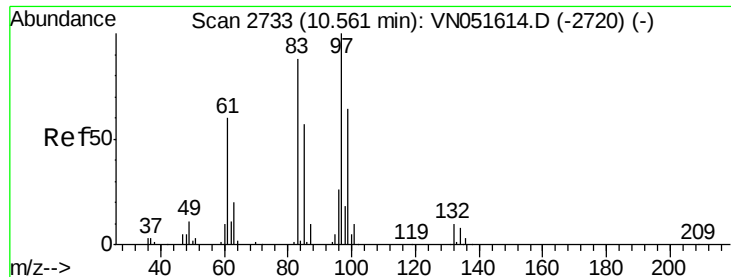
Tgt Ion: 75 Resp: 38829
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.0 39.0



#49
 cis-1,3-Dichloropropene
 Concen: 4.481 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 75 Resp: 47445
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.0
 39 46.9 36.6 55.0

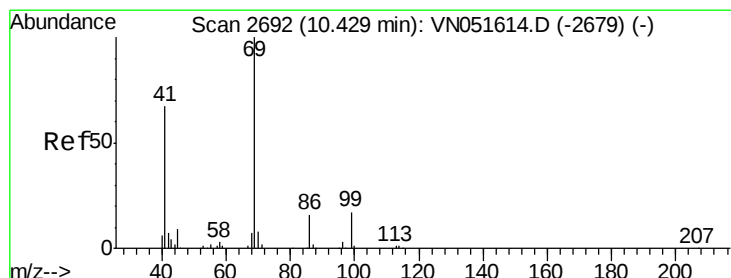
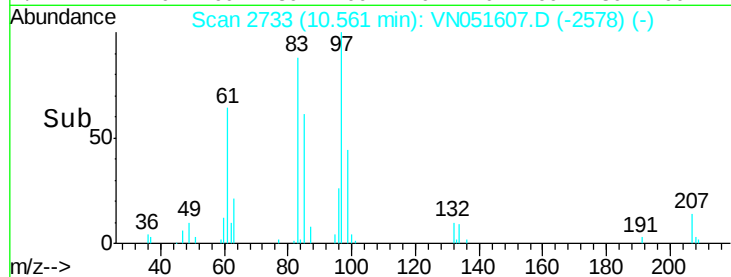
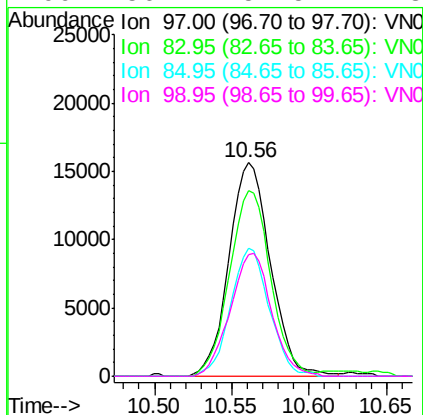
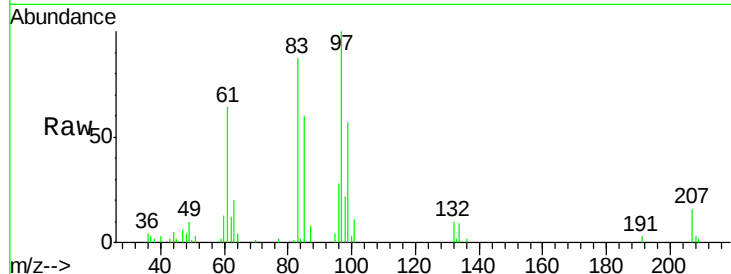




#50
 1,1,2-Trichloroethane
 Concen: 4.946 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

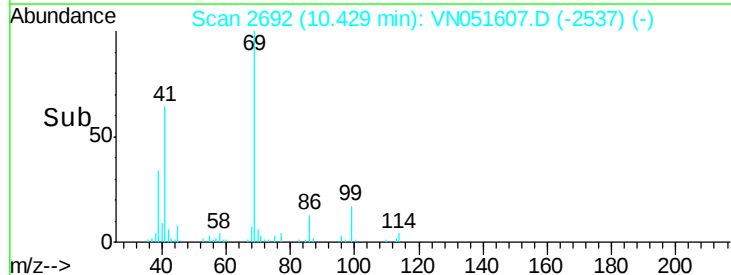
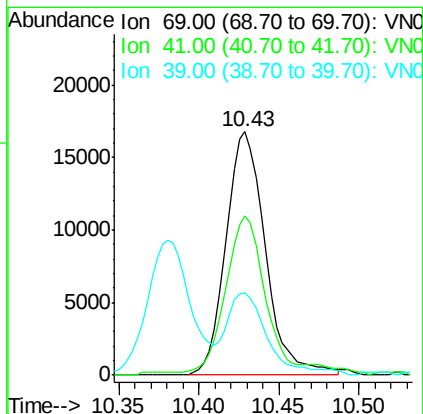
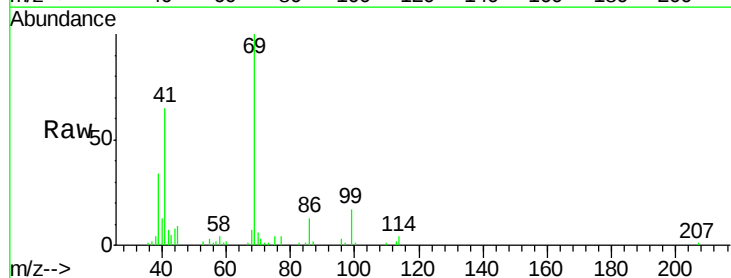
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

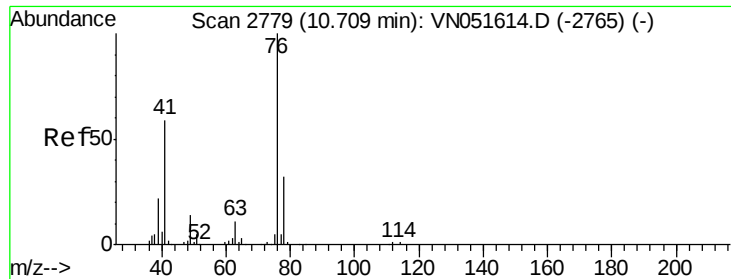
Tgt Ion:	97	Resp:	29054
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.2	105.2
85	60.2	45.6	68.4
99	56.7	51.5	77.3



#51
 Ethyl methacrylate
 Concen: 3.975 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion:	69	Resp:	28329
Ion	Ratio	Lower	Upper
69	100		
41	63.7	33.3	99.8
39	31.9	17.2	51.6

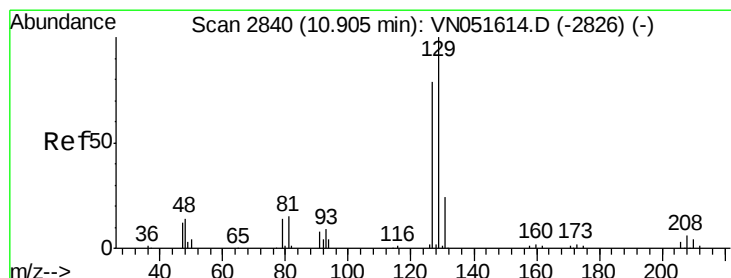
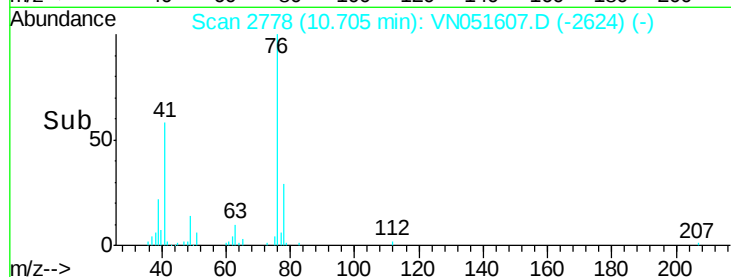
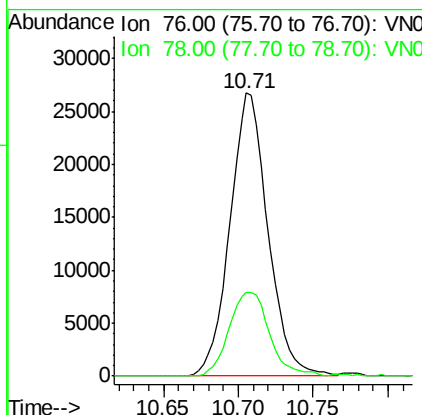
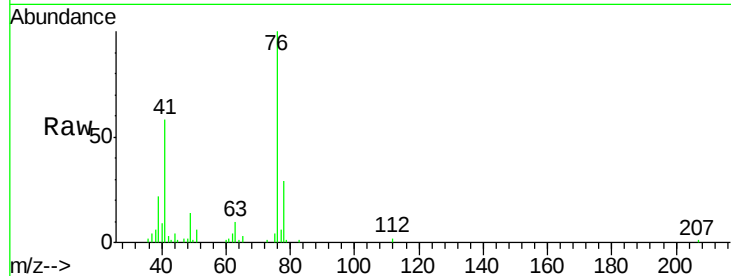




#52
 1,3-Dichloropropane
 Concen: 4.700 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

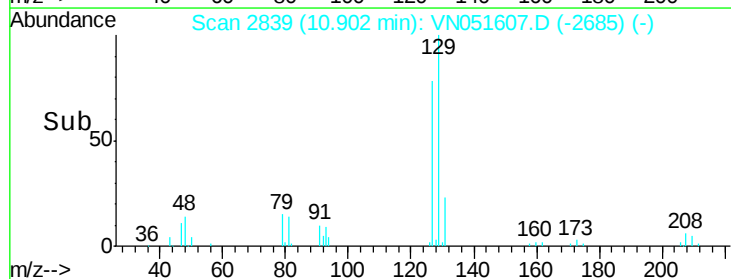
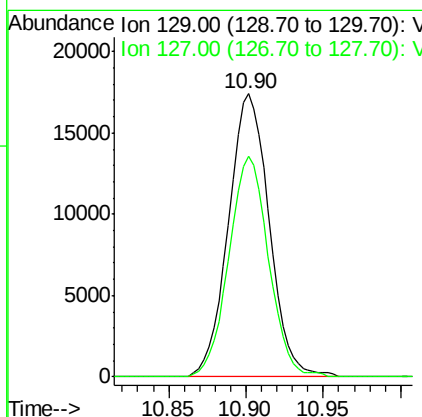
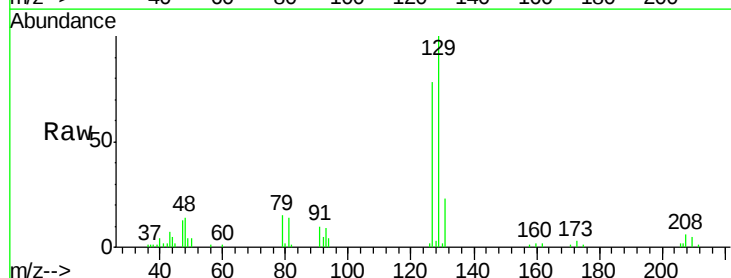
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

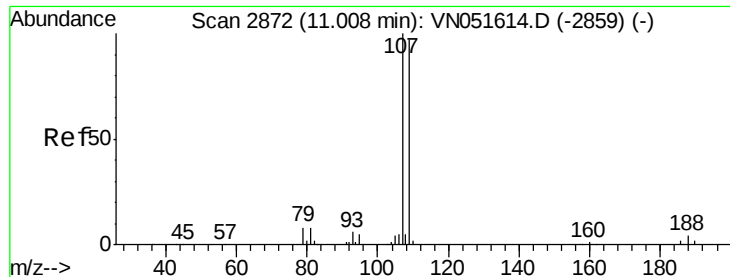
Tgt Ion: 76 Resp: 47340
 Ion Ratio Lower Upper
 76 100
 78 31.3 0.0 63.4



#53
 Dibromochloromethane
 Concen: 4.762 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 129 Resp: 31863
 Ion Ratio Lower Upper
 129 100
 127 75.4 38.9 116.7





#54

1,2-Dibromoethane

Concen: 4.574 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

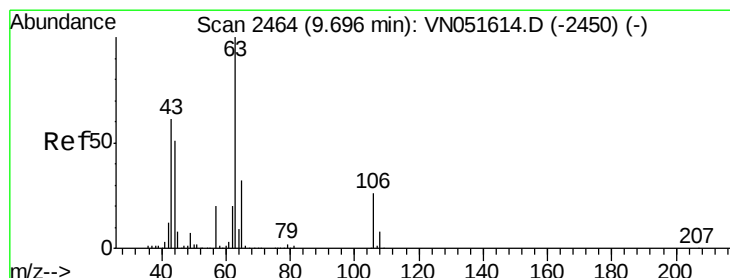
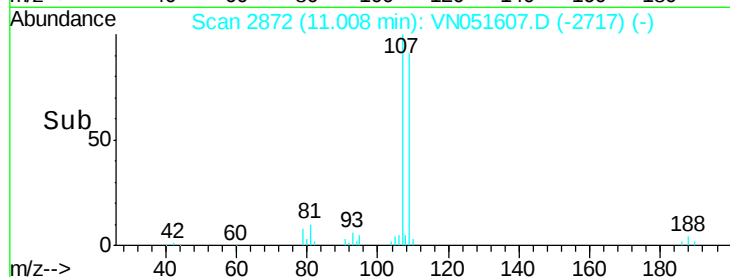
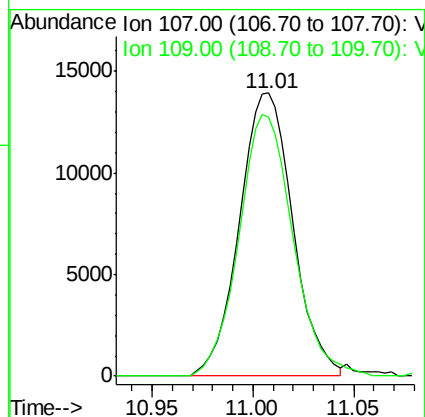
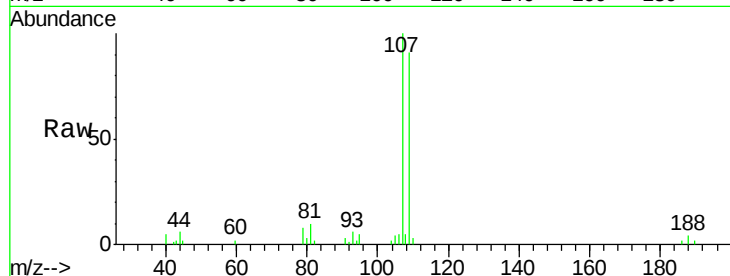
VSTDIC005

Tgt Ion: 107 Resp: 25786

Ion Ratio Lower Upper

107 100

109 93.7 76.5 114.7



#55

2-Chloroethyl vinyl ether

Concen: 20.810 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

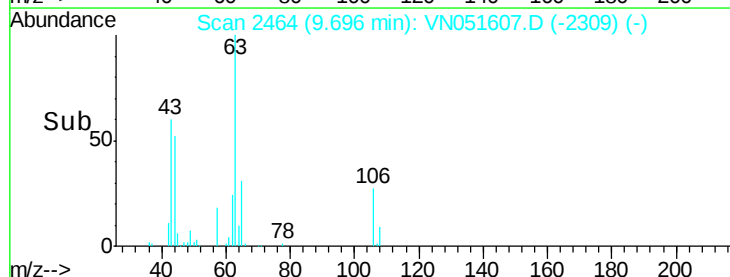
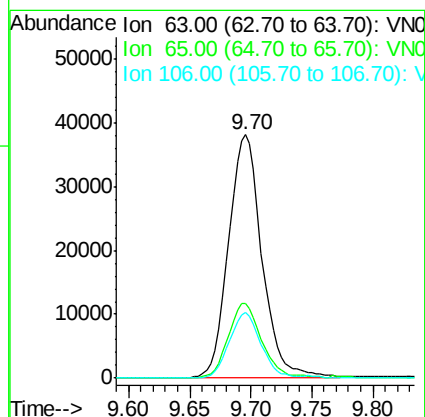
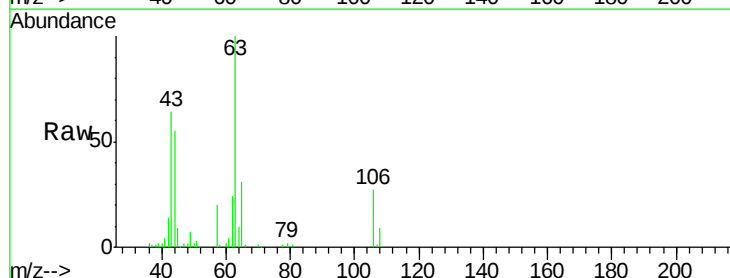
Tgt Ion: 63 Resp: 73315

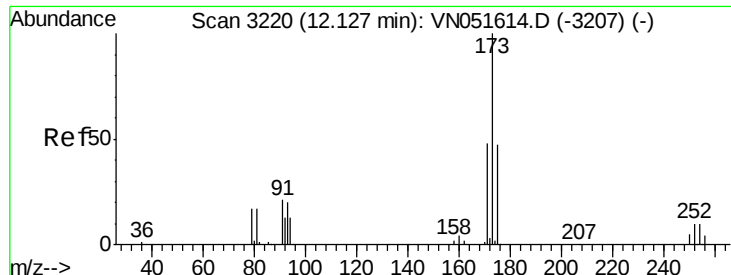
Ion Ratio Lower Upper

63 100

65 30.1 25.8 38.6

106 25.4 20.4 30.6

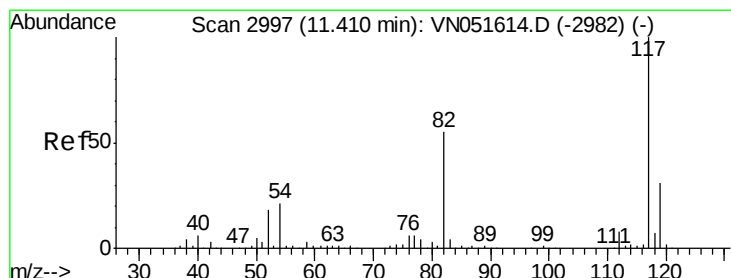
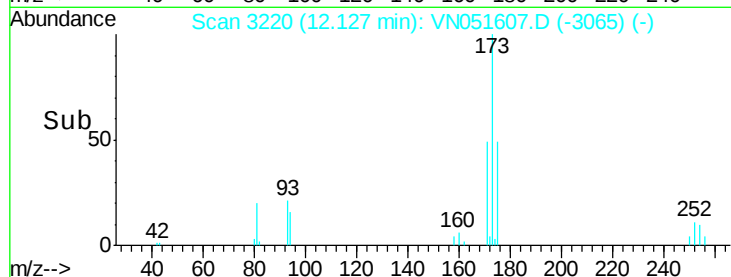
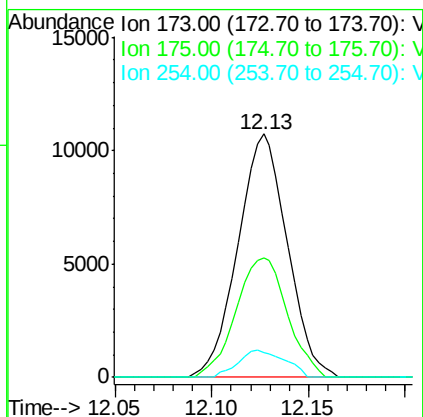
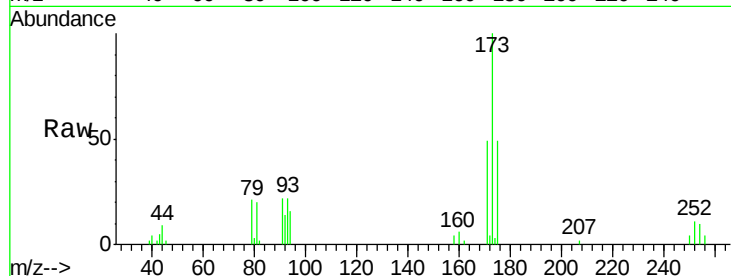




#56
Bromoform
Concen: 4.293 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

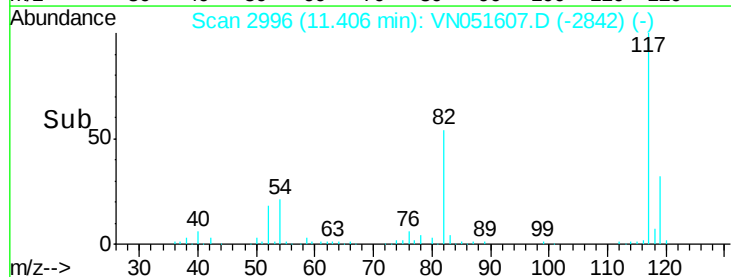
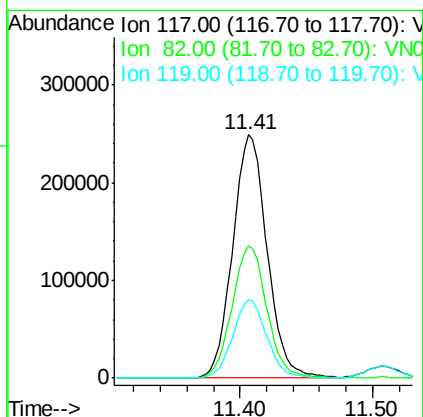
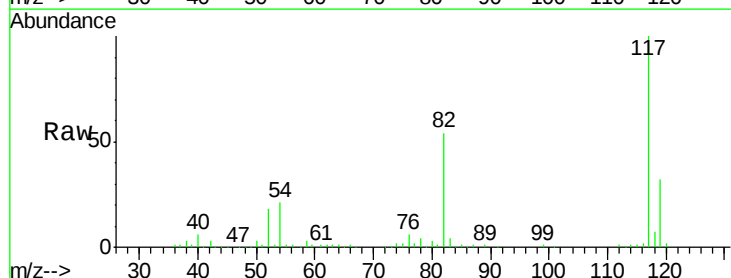
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

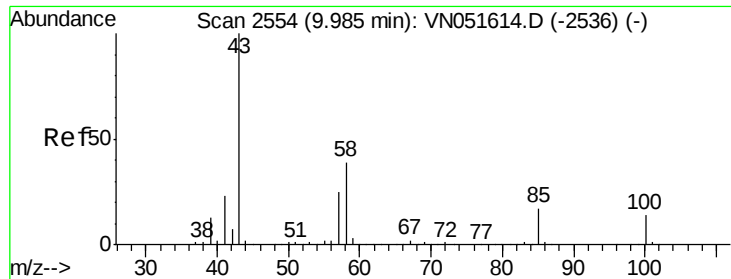
Tgt Ion:173 Resp: 19061
Ion Ratio Lower Upper
173 100
175 50.9 39.0 58.4
254 10.7 8.7 13.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion:117 Resp: 449000
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 31.8 25.2 37.8

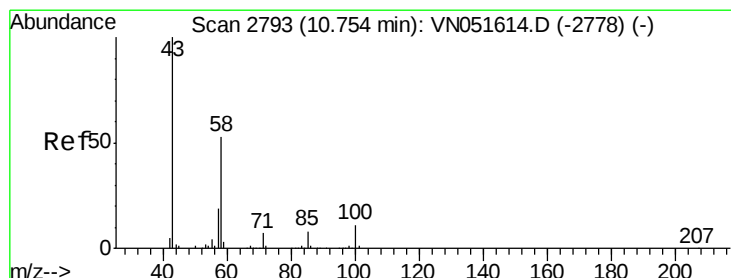
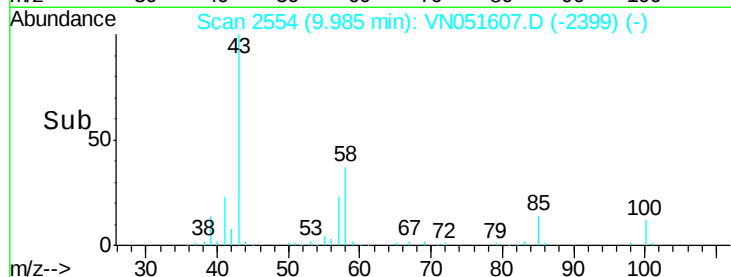
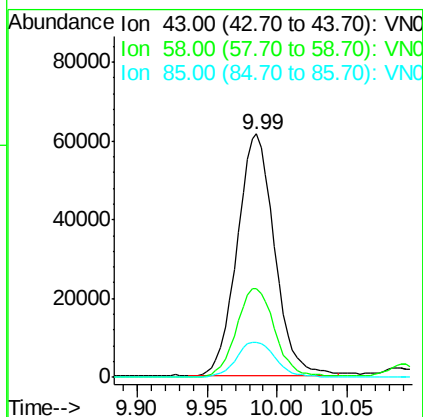
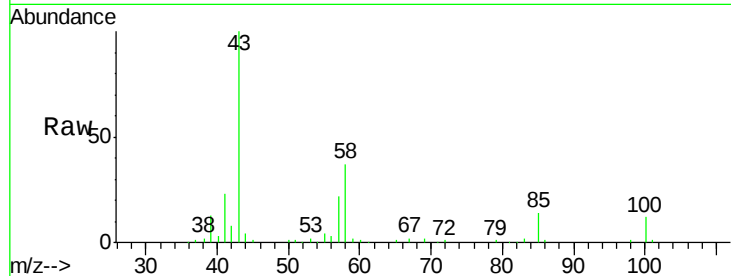




#58
4-Methyl-2-Pentanone
Concen: 22.405 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

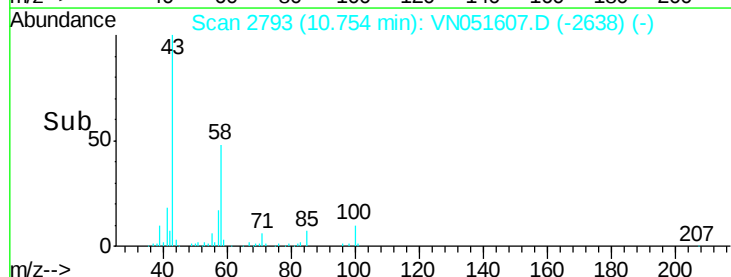
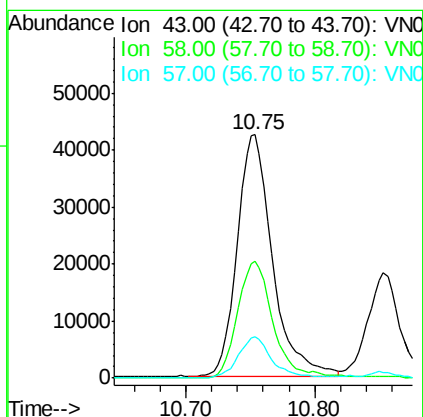
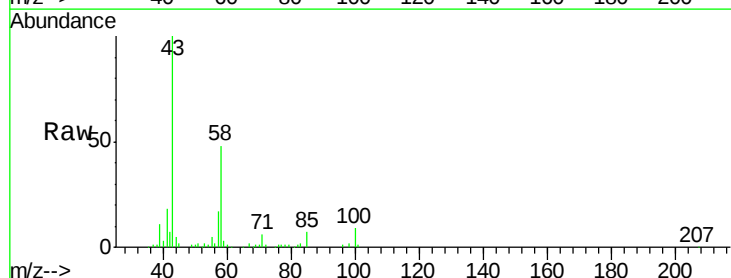
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

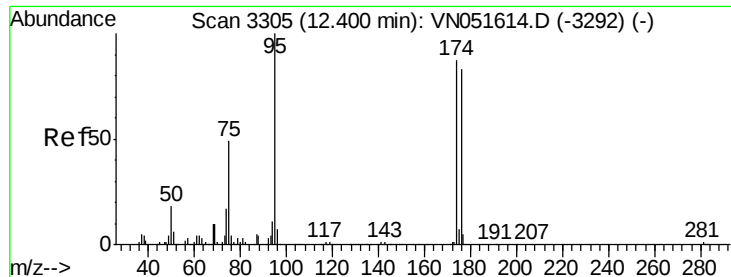
Tgt Ion: 43 Resp: 114216
Ion Ratio Lower Upper
43 100
58 38.0 31.0 46.4
85 15.3 13.4 20.2



#59
2-Hexanone
Concen: 24.040 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 43 Resp: 80623
Ion Ratio Lower Upper
43 100
58 47.3 41.5 62.3
57 16.1 14.2 21.4





#60

4-Bromofluorobenzene

Concen: 24.040 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

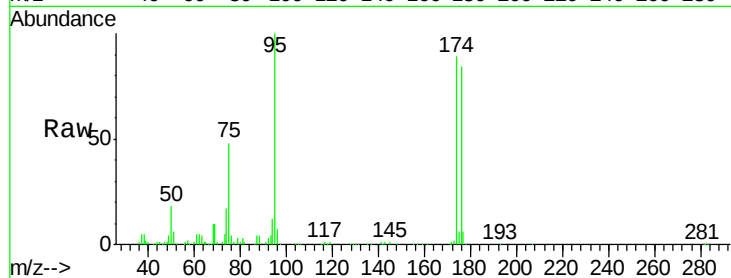
Tgt Ion: 95 Resp: 183377

Ion Ratio Lower Upper

95 100

174 90.6 71.2 106.8

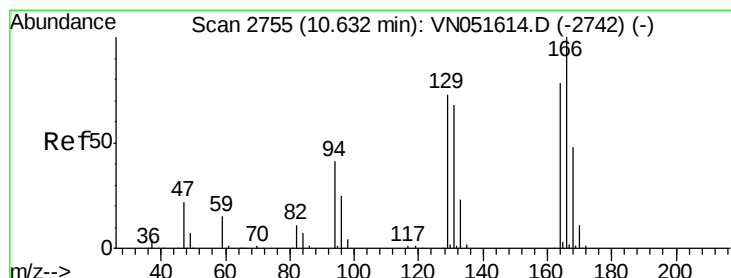
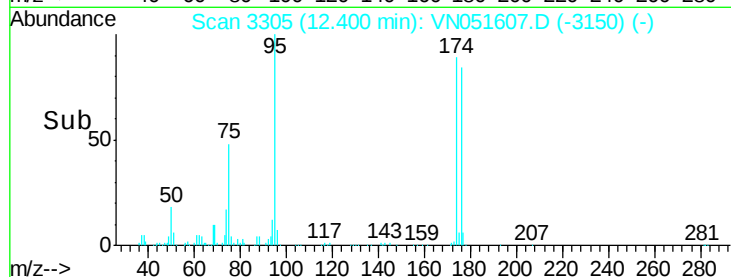
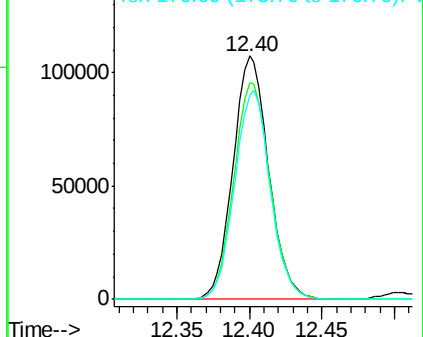
176 85.6 67.8 101.8



Abundance Ion 95.00 (94.70 to 95.70): VN051614.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN051614.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN051614.D (-3292) (-)



#61

Tetrachloroethene

Concen: 5.323 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Tgt Ion: 164 Resp: 33837

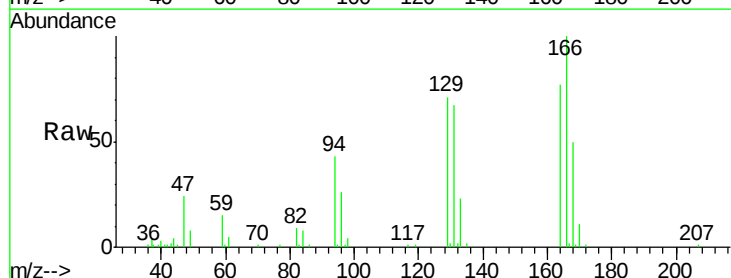
Ion Ratio Lower Upper

164 100

166 129.1 103.1 154.7

129 91.4 75.3 112.9

131 85.6 70.8 106.2

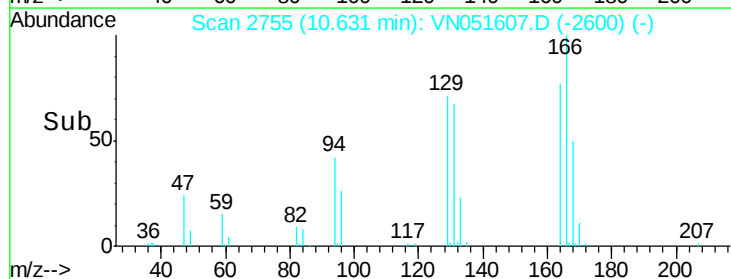
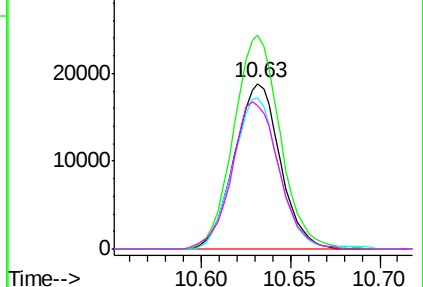


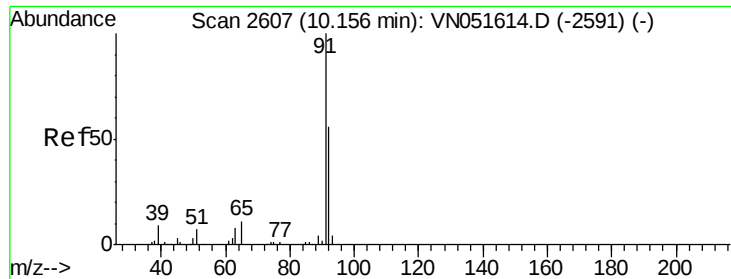
Abundance Ion 163.85 (163.55 to 164.55): VN051614.D (-2742) (-)

Ion 165.80 (165.50 to 166.50): VN051614.D (-2742) (-)

Ion 128.90 (128.60 to 129.60): VN051614.D (-2742) (-)

Ion 130.90 (130.60 to 131.60): VN051614.D (-2742) (-)





#62

Toluene

Concen: 4.758 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

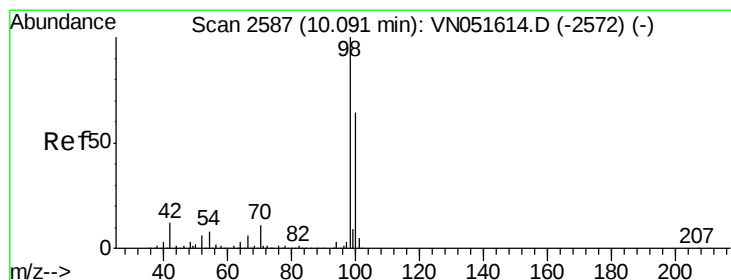
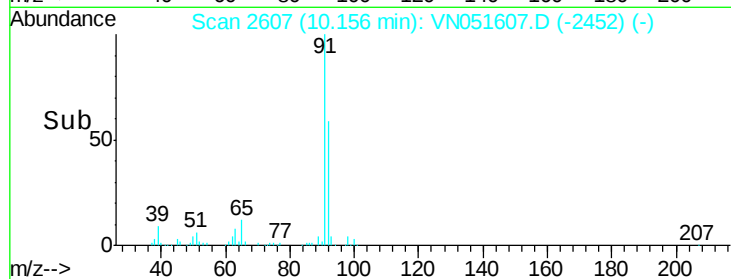
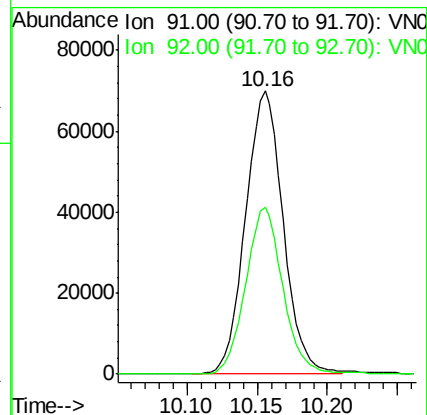
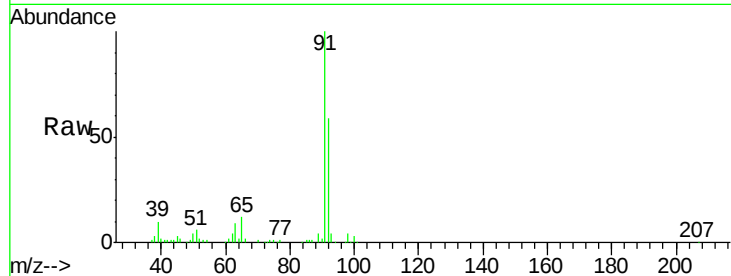
VSTDIC005

Tgt Ion: 91 Resp: 130989

Ion Ratio Lower Upper

91 100

92 58.1 45.3 67.9



#63

Toluene-d8

Concen: 4.758 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051607.D

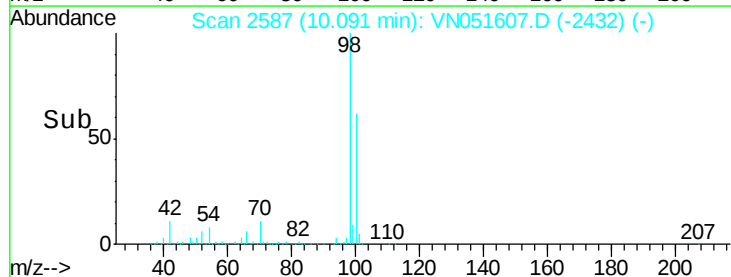
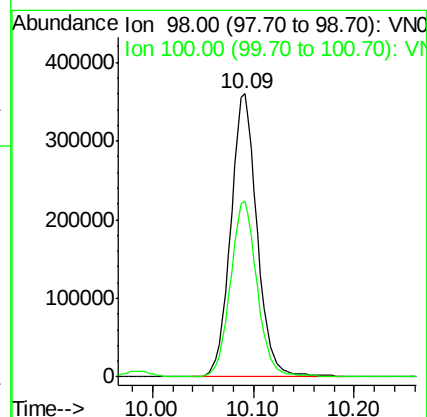
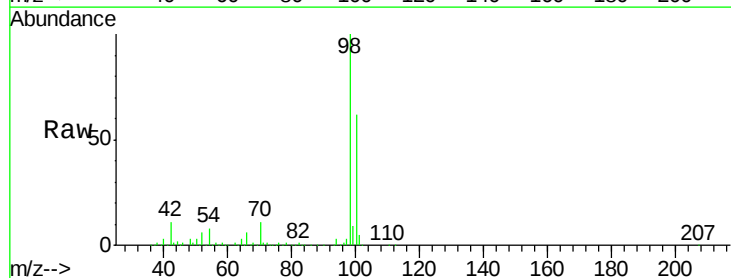
Acq: 28 Sep 2018 8:15

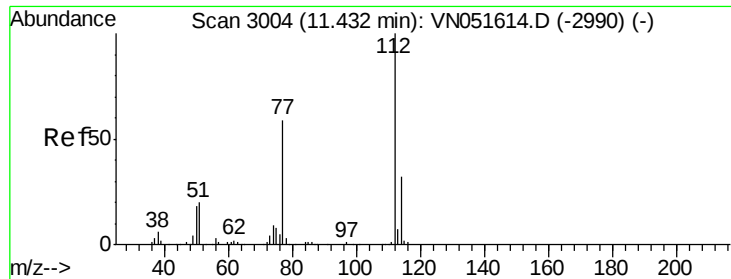
Tgt Ion: 98 Resp: 656586

Ion Ratio Lower Upper

98 100

100 62.6 51.4 77.0

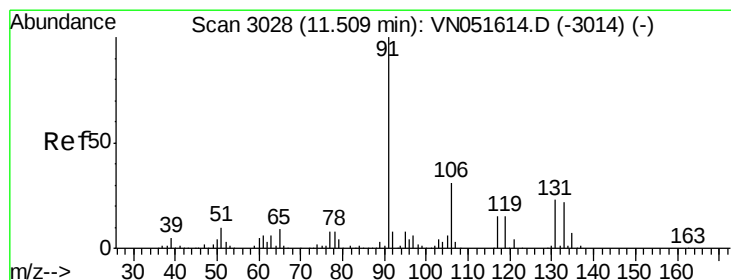
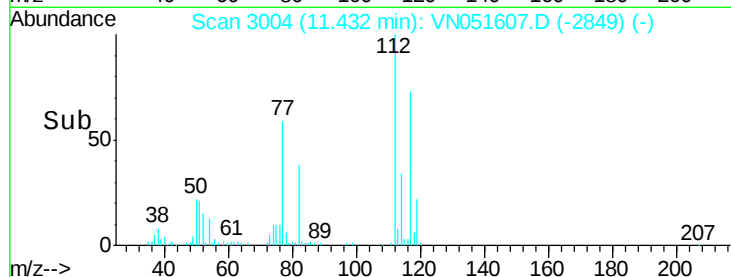
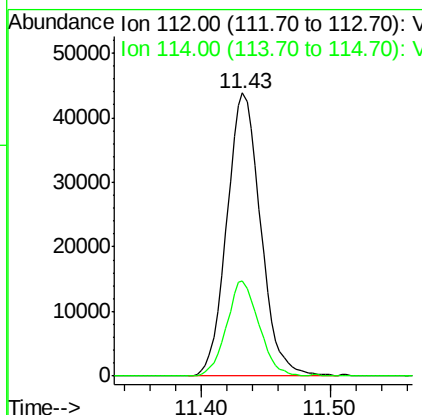
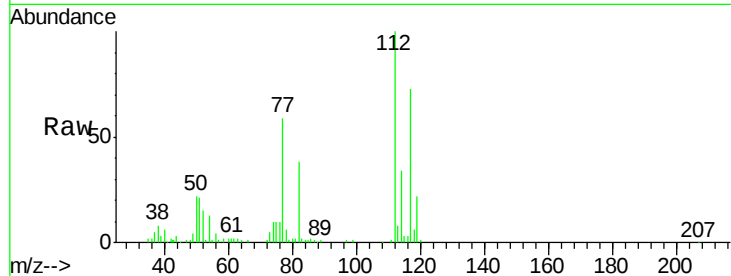




#64
Chlorobenzene
Concen: 4.793 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

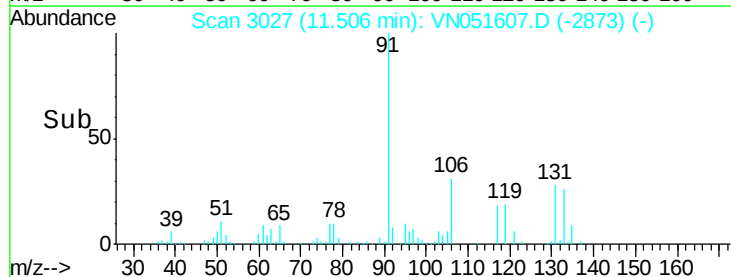
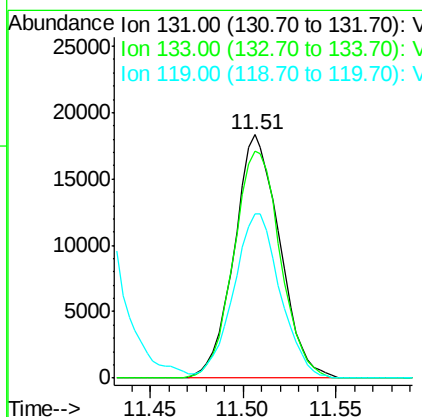
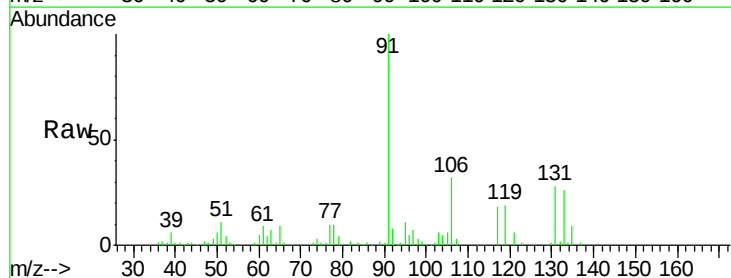
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

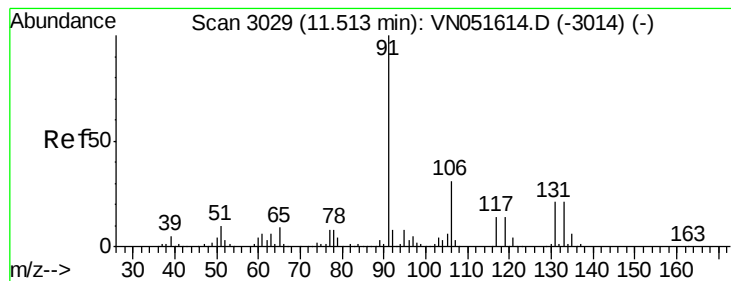
Tgt Ion:112 Resp: 79780
Ion Ratio Lower Upper
112 100
114 33.5 25.9 38.9



#65
1,1,1,2-Tetrachloroethane
Concen: 4.910 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion:131 Resp: 31207
Ion Ratio Lower Upper
131 100
133 95.5 0.0 193.0
119 69.0 0.0 135.0





#66

Ethyl Benzene

Concen: 4.247 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampled :

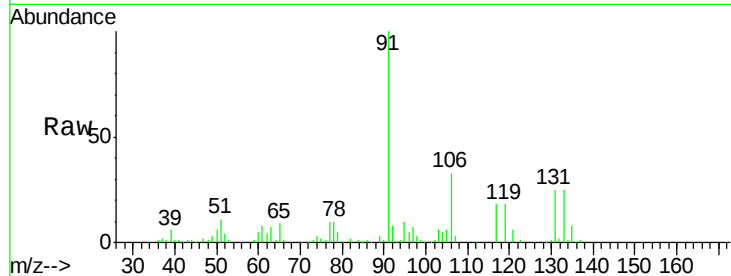
VSTDIC005

Tgt Ion: 91 Resp: 119680

Ion Ratio Lower Upper

91 100

106 33.1 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3014) (-)

Ion 106.00 (105.70 to 106.70): VN051614.D (-3014) (-)

100000

80000

60000

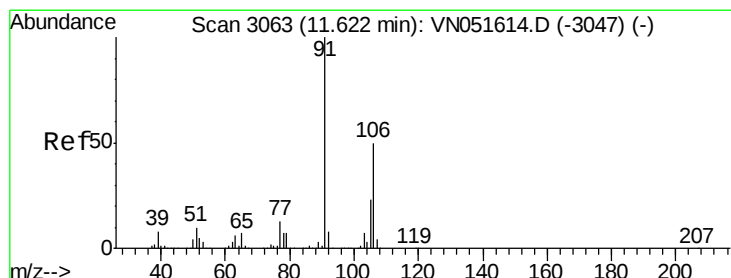
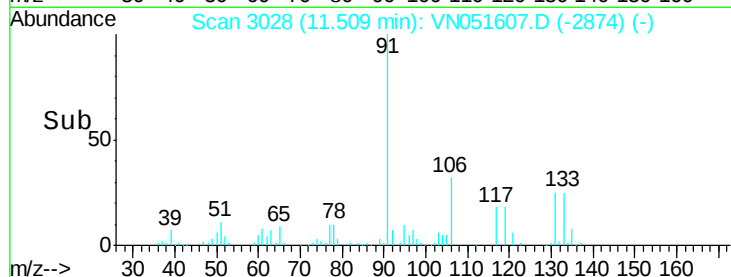
40000

20000

0

11.45 11.50 11.55 11.60

Time-->



#67

m/p-Xylenes

Concen: 8.145 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051607.D

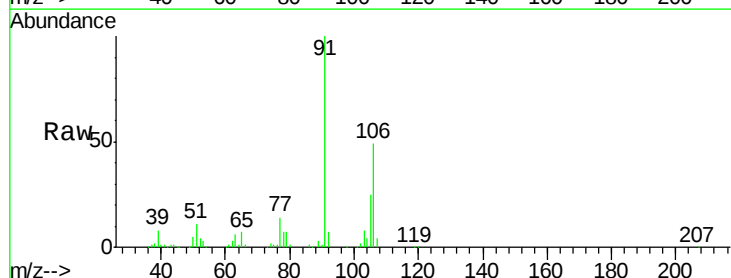
Acq: 28 Sep 2018 8:15

Tgt Ion: 106 Resp: 88447

Ion Ratio Lower Upper

106 100

91 207.8 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN051614.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN051614.D (-3047) (-)

100000

80000

60000

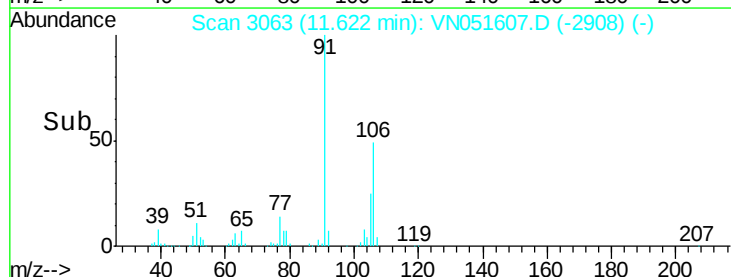
40000

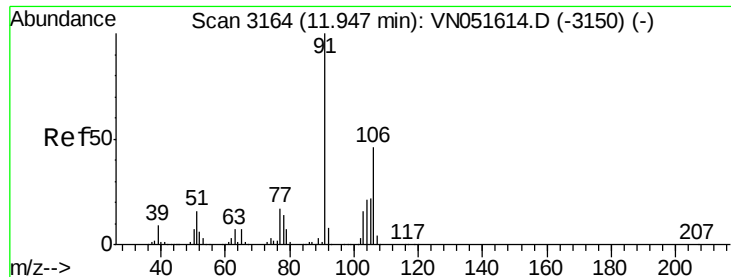
20000

0

11.55 11.60 11.65 11.70

Time-->

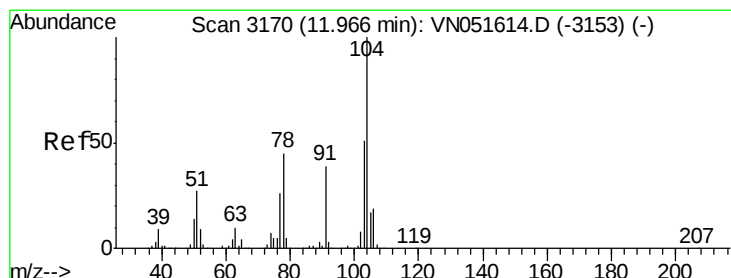
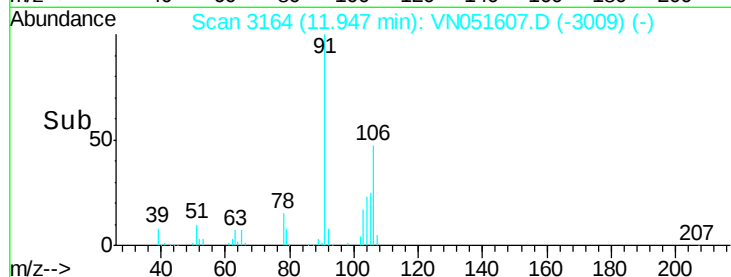
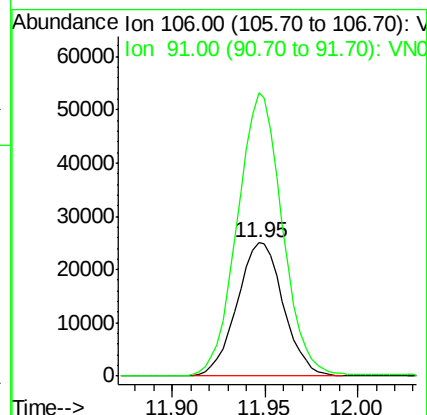
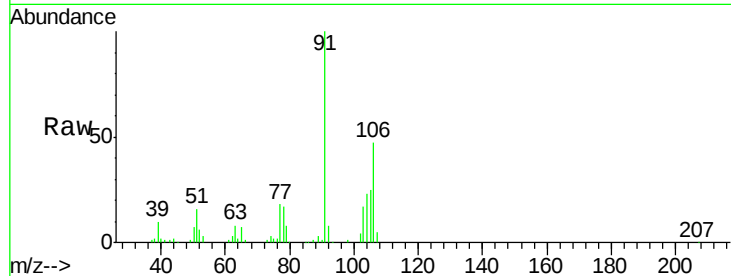




#68
o-Xylene
Concen: 4.189 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

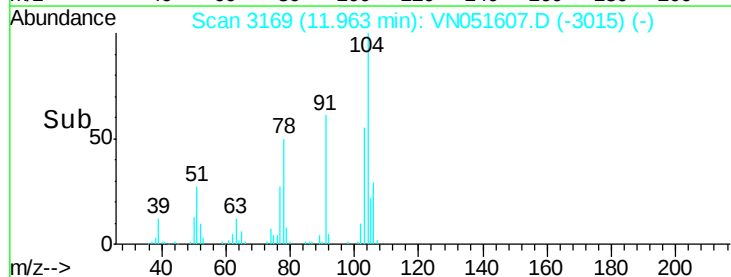
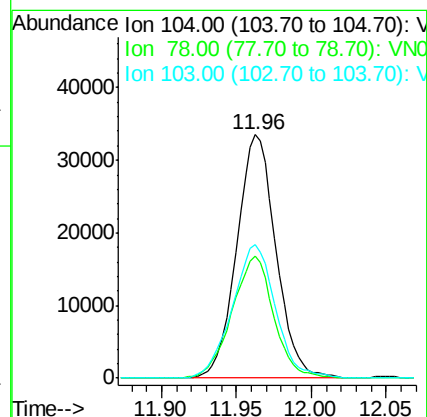
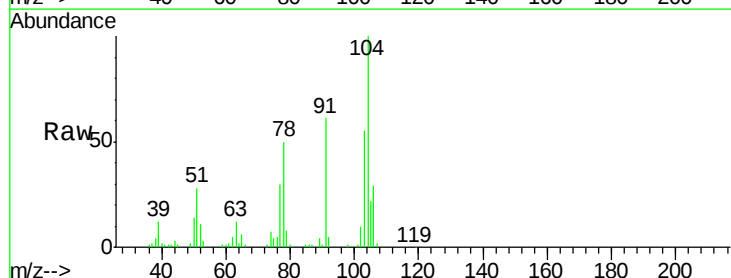
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

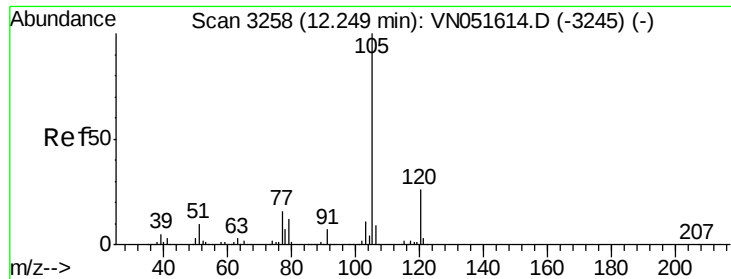
Tgt Ion:106 Resp: 43426
Ion Ratio Lower Upper
106 100
91 207.2 109.7 329.1



#69
Styrene
Concen: 3.761 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion:104 Resp: 61193
Ion Ratio Lower Upper
104 100
78 53.1 40.3 60.5
103 60.3 45.7 68.5





#70

Isopropylbenzene

Concen: 4.106 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

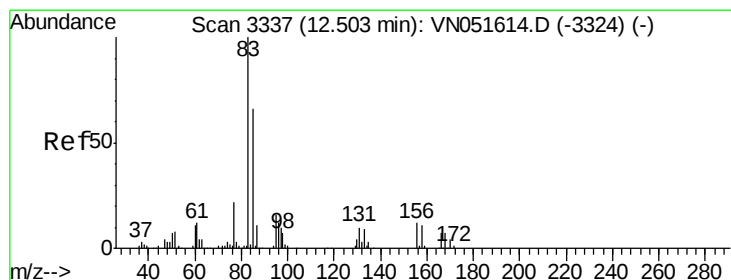
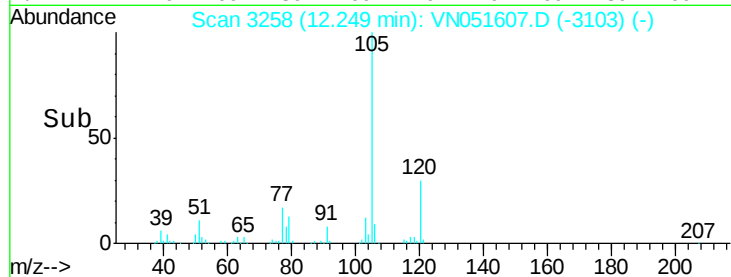
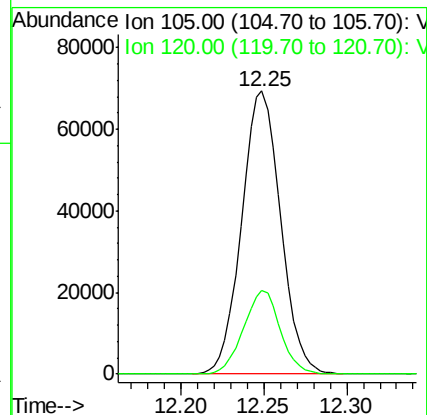
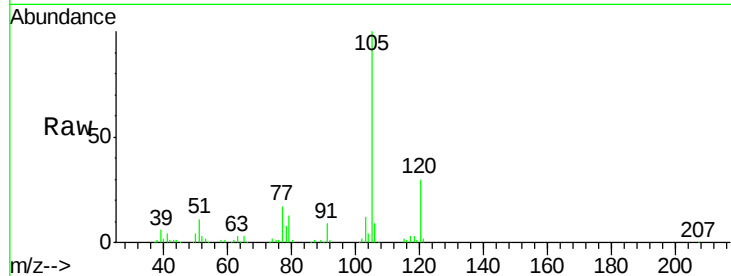
VSTDIC005

Tgt Ion: 105 Resp: 113546

Ion Ratio Lower Upper

105 100

120 27.7 18.7 34.7



#71

1,1,2,2-Tetrachloroethane

Concen: 4.912 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

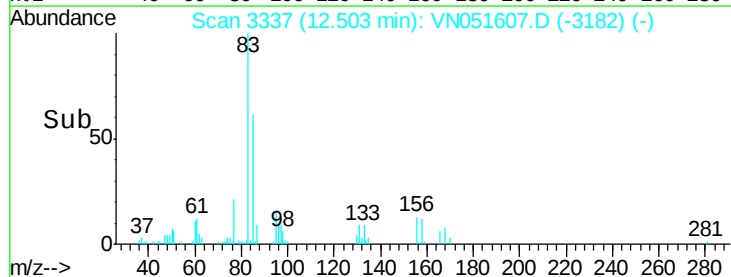
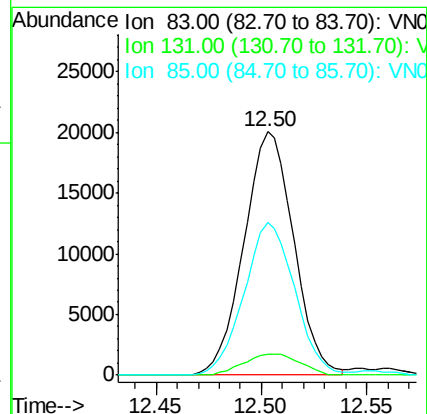
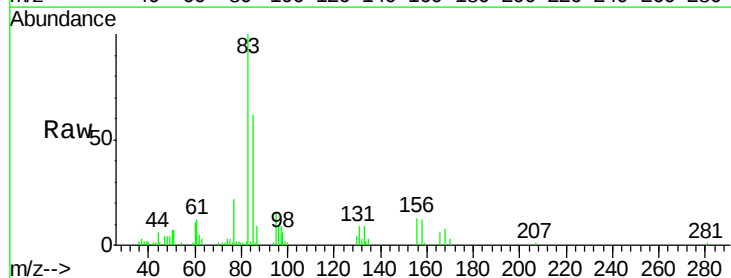
Tgt Ion: 83 Resp: 32861

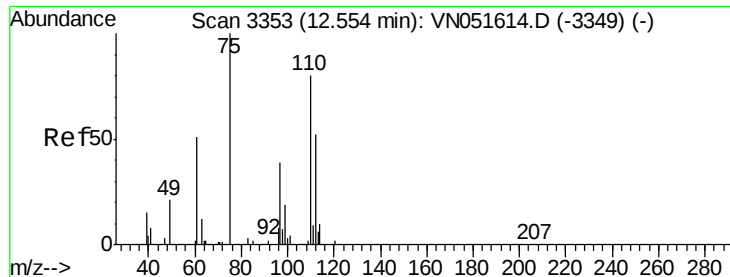
Ion Ratio Lower Upper

83 100

131 9.7 5.2 15.6

85 64.0 32.0 96.2





#72

1,2,3-Trichloropropane

Concen: 6.764 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

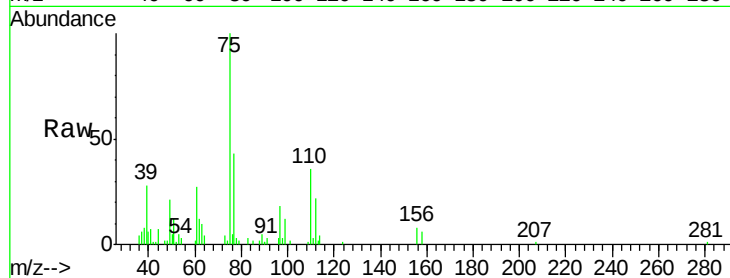
VSTDIC005

Tgt Ion: 75 Resp: 37287

Ion Ratio Lower Upper

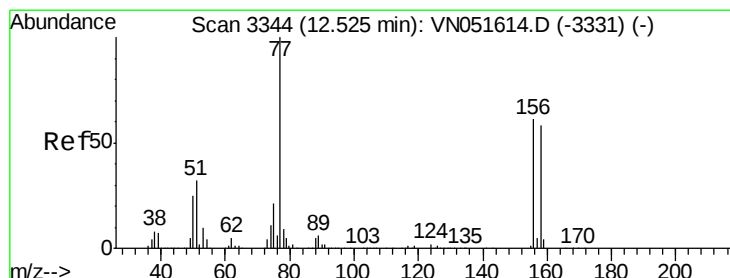
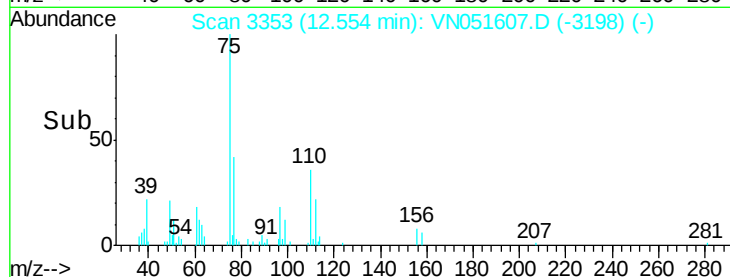
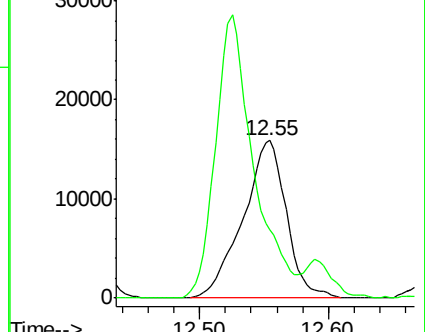
75 100

77 158.0 0.0 492.2



Abundance Ion 75.00 (74.70 to 75.70): VN051614.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051614.D (-3349) (-)



#73

Bromobenzene

Concen: 4.325 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

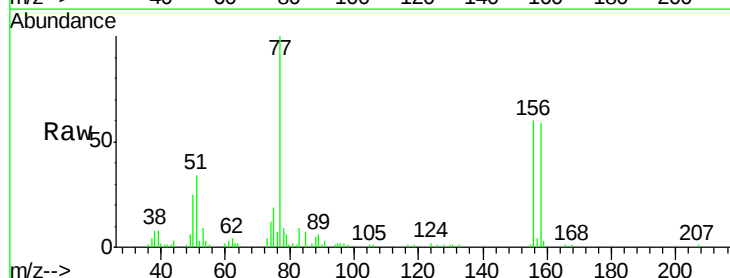
Tgt Ion: 156 Resp: 29761

Ion Ratio Lower Upper

156 100

77 197.9 0.0 385.2

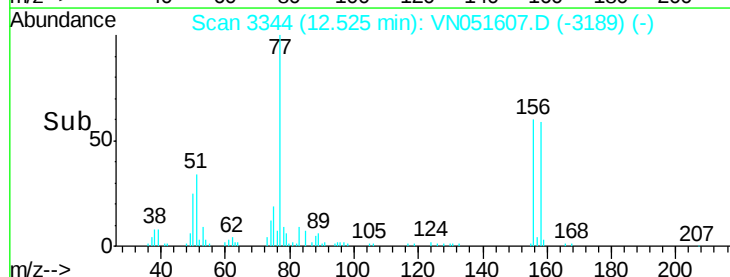
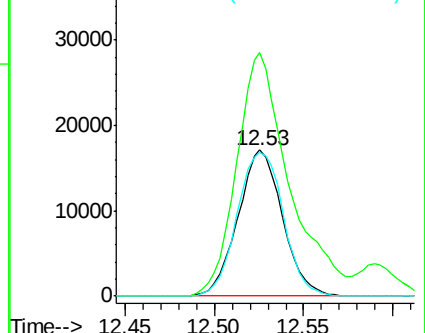
158 102.2 0.0 195.6

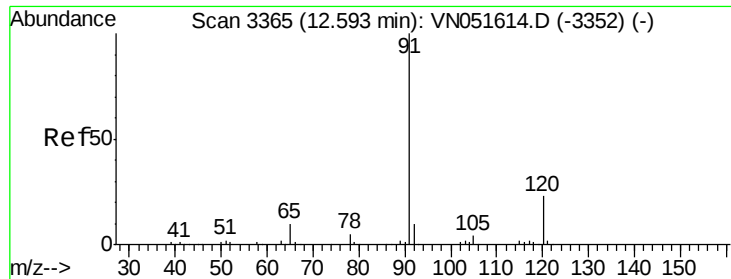


Abundance Ion 156.00 (155.70 to 156.70): VN051614.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051614.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051614.D (-3331) (-)

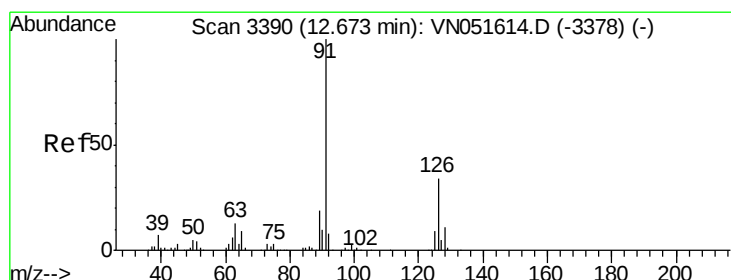
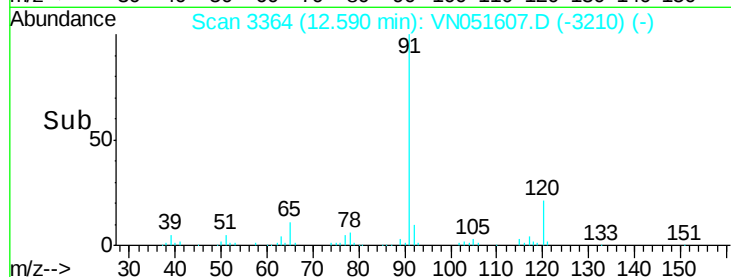
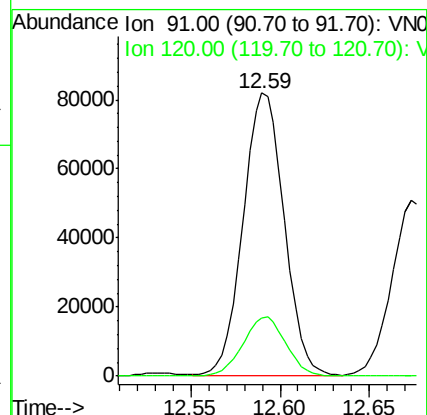
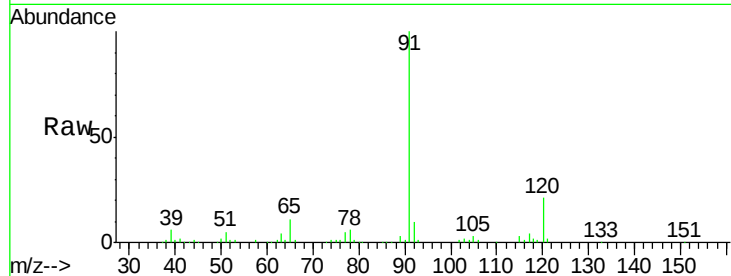




#74
n-propylbenzene
Concen: 4.113 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

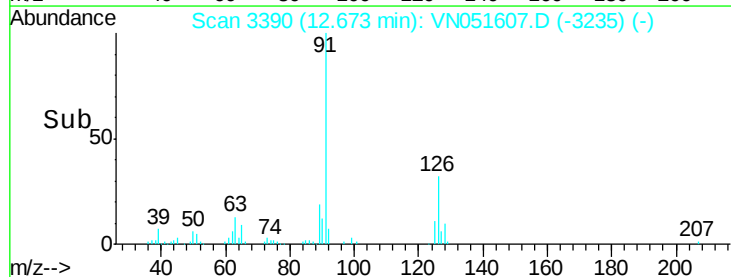
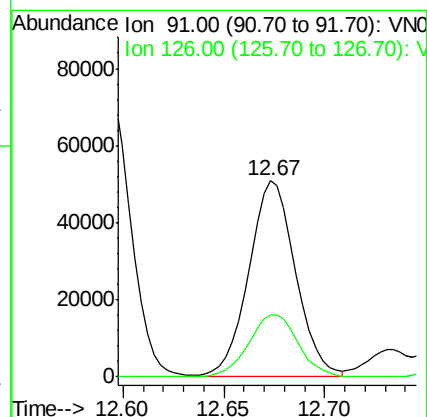
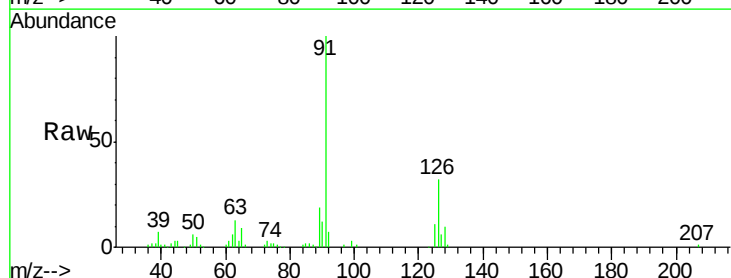
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

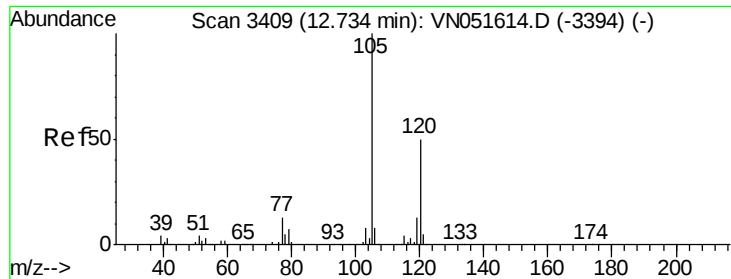
Tgt Ion: 91 Resp: 132390
Ion Ratio Lower Upper
91 100
120 21.7 0.0 45.4



#75
2-Chlorotoluene
Concen: 4.308 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 91 Resp: 82812
Ion Ratio Lower Upper
91 100
126 33.5 0.0 69.2

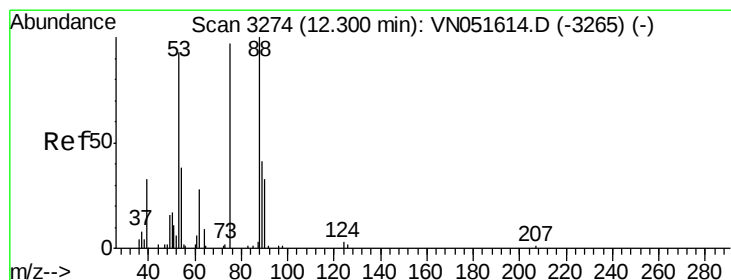
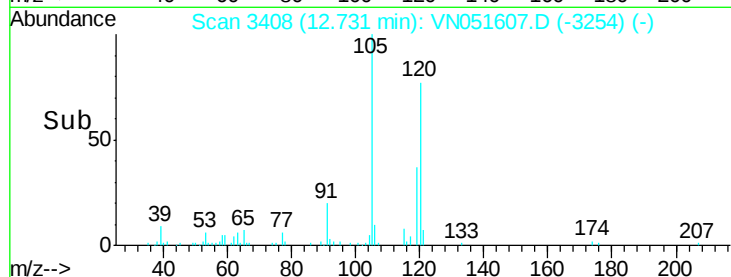
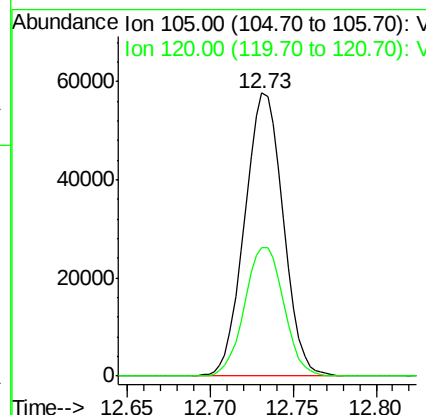
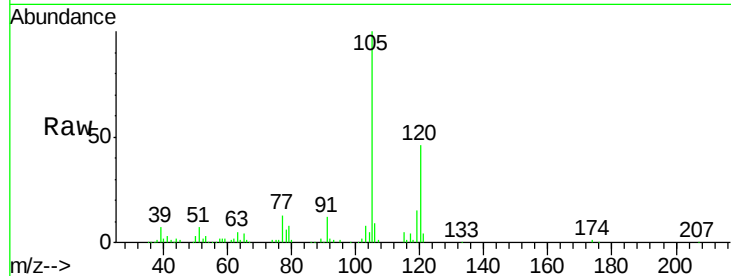




#76
 1,3,5-Trimethylbenzene
 Concen: 4.029 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

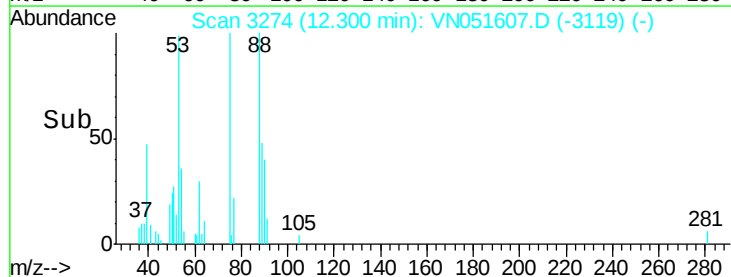
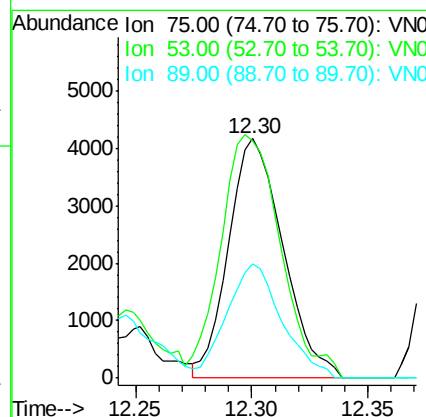
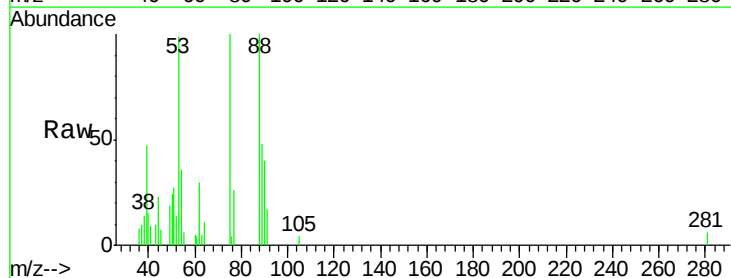
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

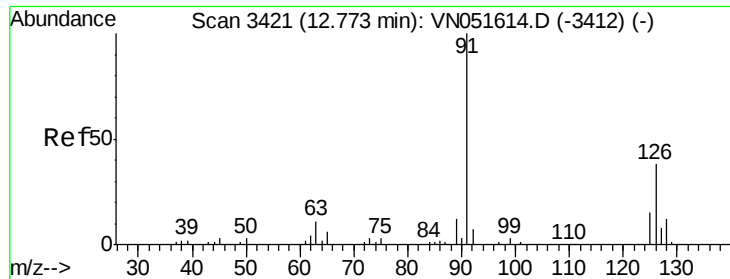
Tgt Ion: 105 Resp: 93096
 Ion Ratio Lower Upper
 105 100
 120 46.6 0.0 99.8



#77
 t-1,4-Dichloro-2-butene
 Concen: 3.765 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Tgt Ion: 75 Resp: 6820
 Ion Ratio Lower Upper
 75 100
 53 99.2 48.1 144.4
 89 47.6 22.4 67.3

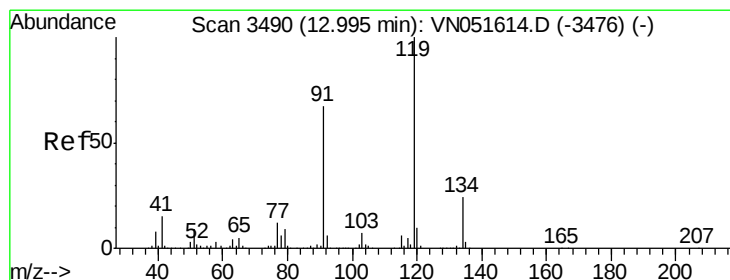
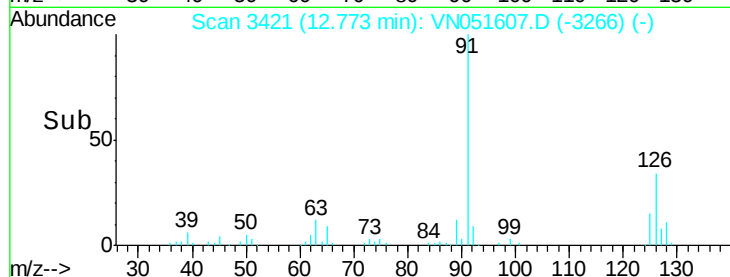
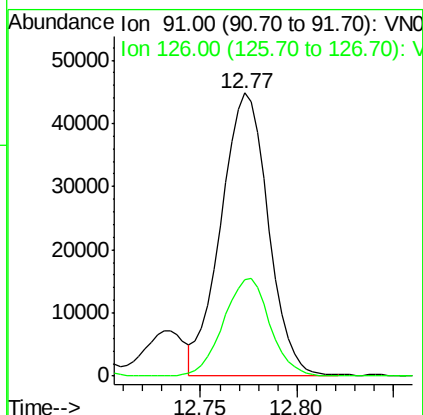
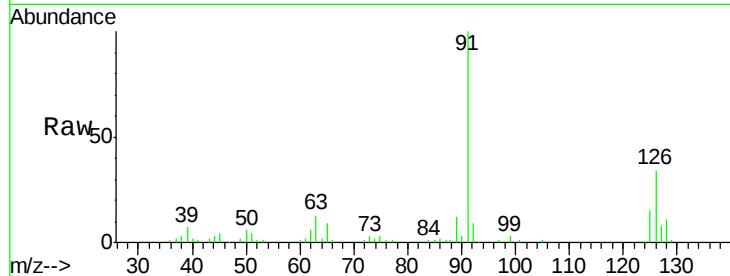




#78
4-Chlorotoluene
Concen: 4.016 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

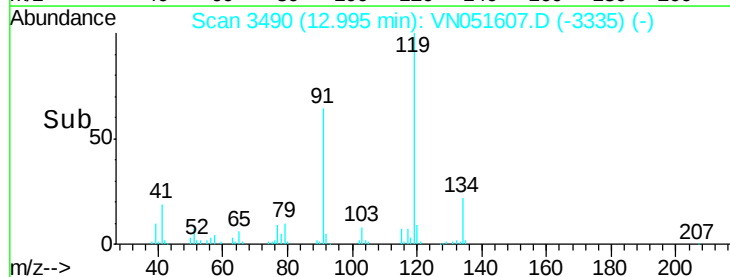
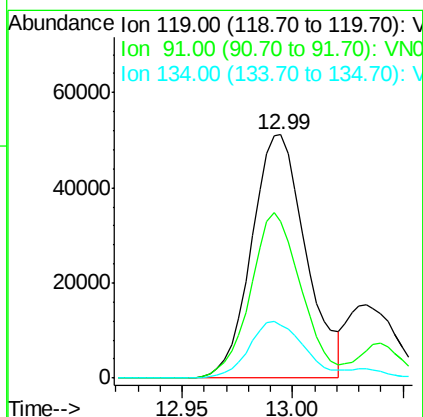
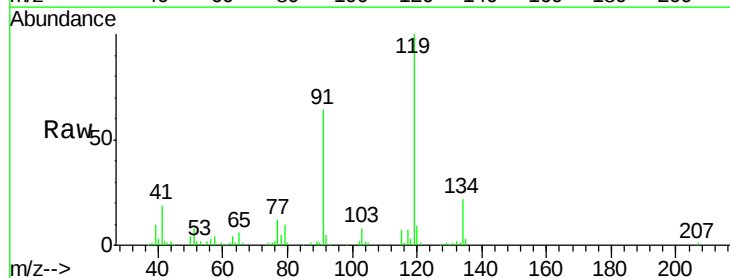
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

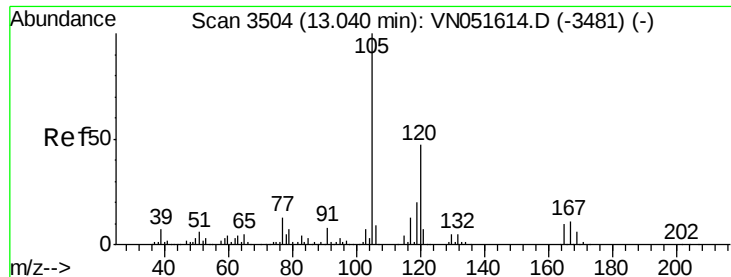
Tgt Ion: 91 Resp: 76261
Ion Ratio Lower Upper
91 100
126 33.7 0.0 68.6



#79
tert-butylbenzene
Concen: 4.361 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion: 119 Resp: 87302
Ion Ratio Lower Upper
119 100
91 63.6 0.0 132.4
134 23.5 0.0 48.4





#80

1,2,4-Trimethylbenzene

Concen: 3.841 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

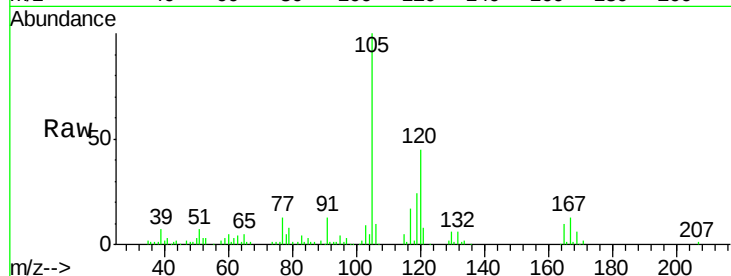
VSTDIC005

Tgt Ion:105 Resp: 88636

Ion Ratio Lower Upper

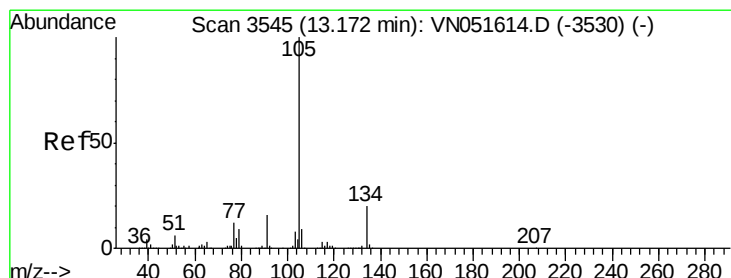
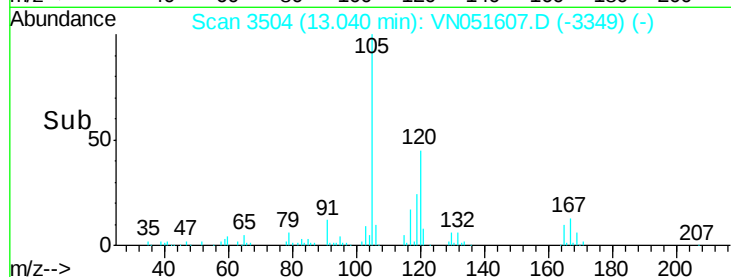
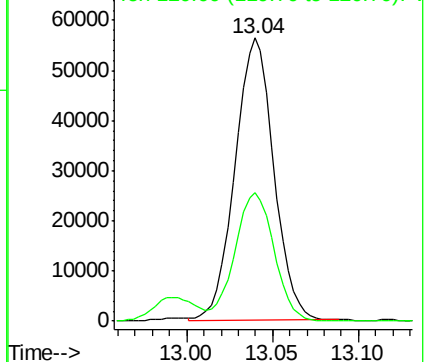
105 100

120 45.5 0.0 91.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 4.135 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051607.D

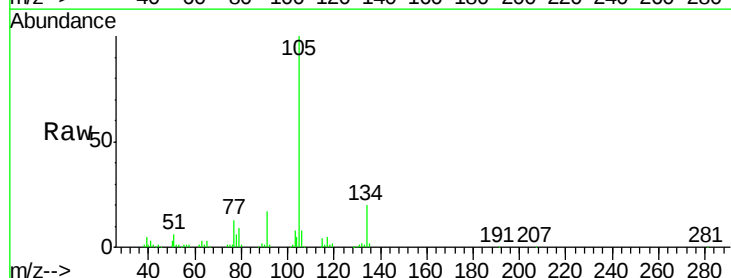
Acq: 28 Sep 2018 8:15

Tgt Ion:105 Resp: 114349

Ion Ratio Lower Upper

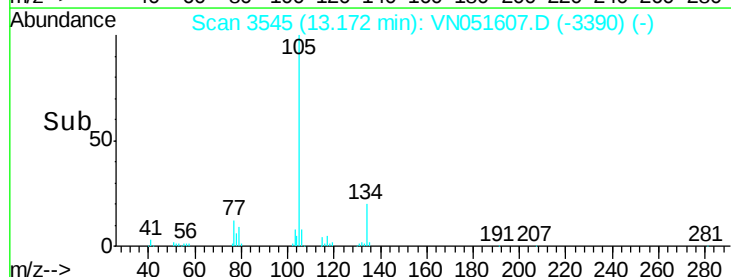
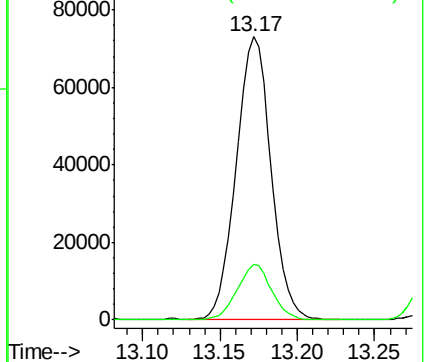
105 100

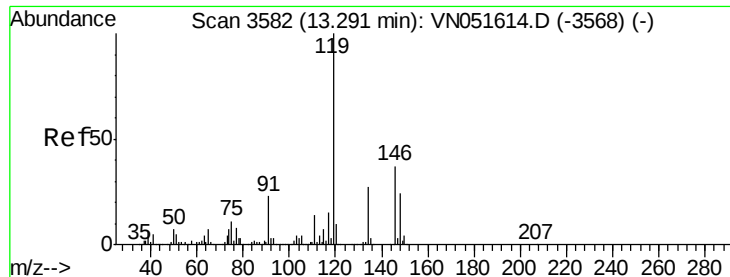
134 19.4 0.0 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#82

p-Isopropyltoluene

Concen: 3.821 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

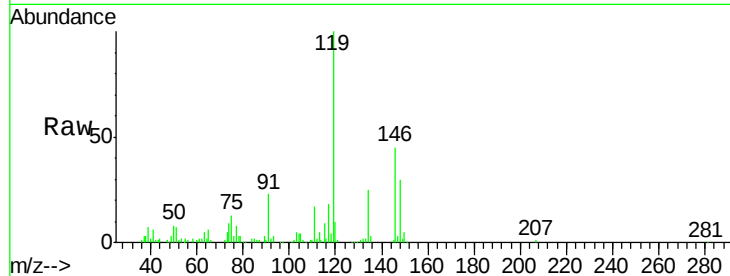
Instrument :

MSVOA_N

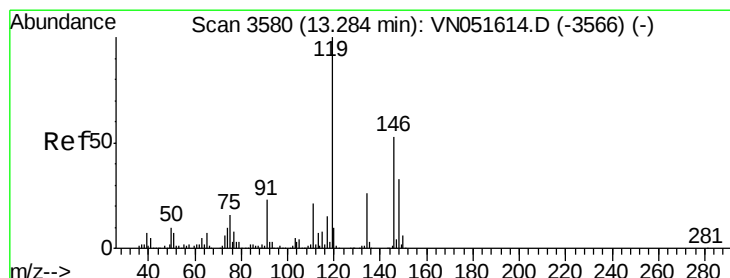
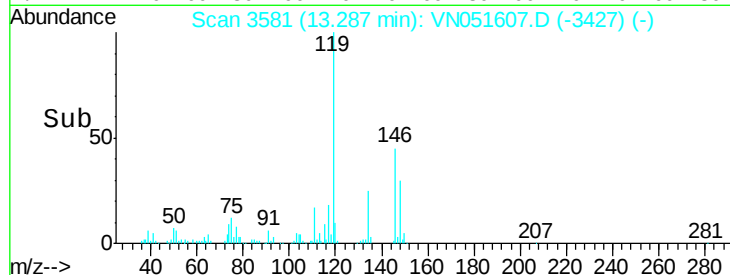
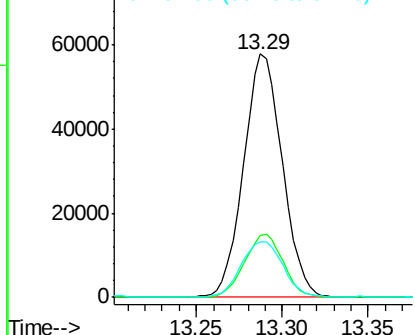
ClientSampleId :

VSTDIC005

Tgt Ion:	119	Resp:	90315
Ion	Ratio	Lower	Upper
119	100		
134	25.8	0.0	52.0
91	24.9	0.0	46.0



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



#83

1,3-Dichlorobenzene

Concen: 4.091 ug/l

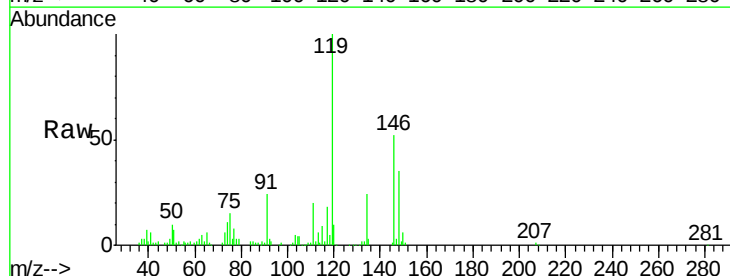
RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

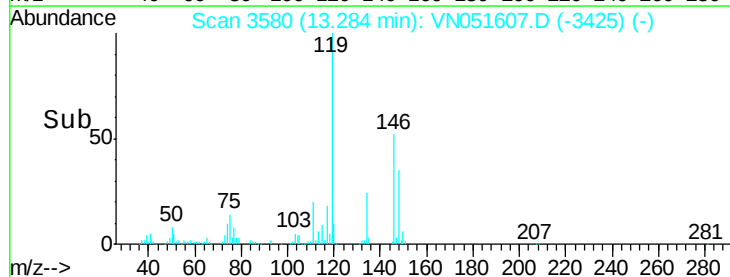
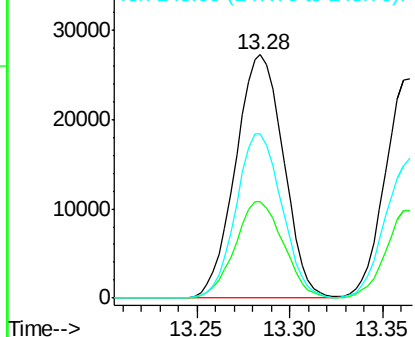
Lab File: VN051607.D

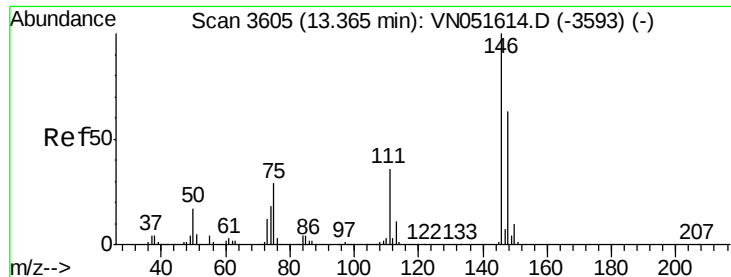
Acq: 28 Sep 2018 8:15

Tgt Ion:	146	Resp:	49052
Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.6
148	64.4	32.4	97.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 3.838 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

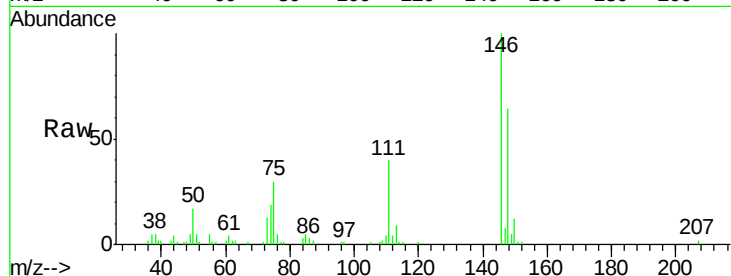
Tgt Ion:146 Resp: 43264

Ion Ratio Lower Upper

146 100

111 37.6 18.6 55.8

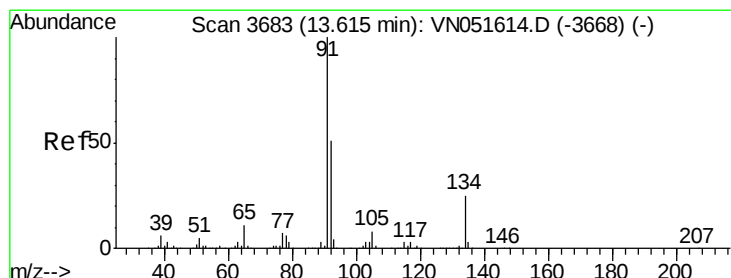
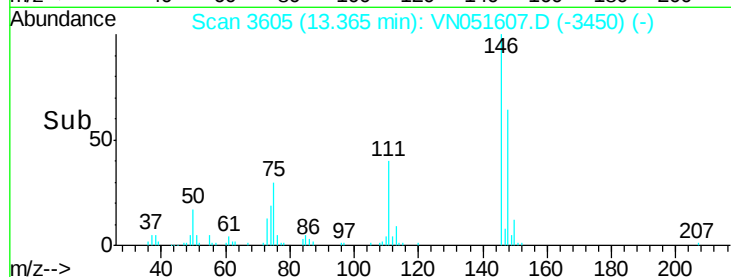
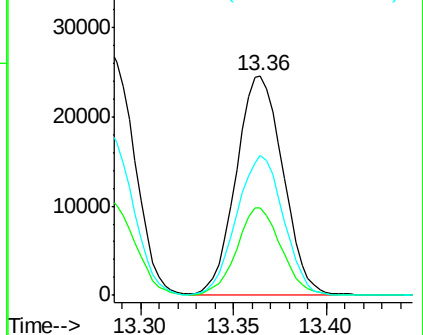
148 63.6 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 3.433 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

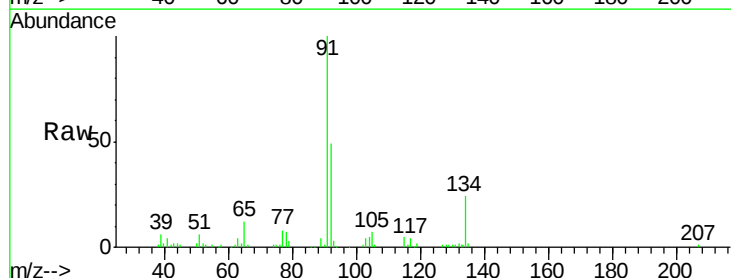
Tgt Ion: 91 Resp: 66603

Ion Ratio Lower Upper

91 100

92 49.3 0.0 101.6

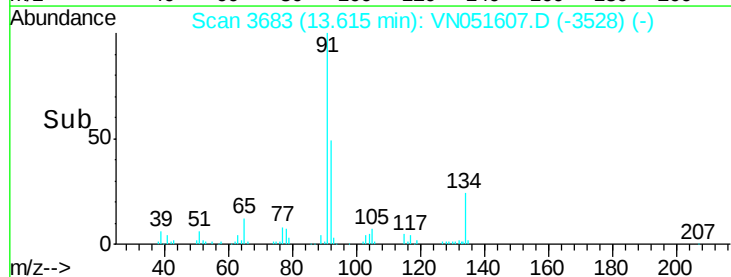
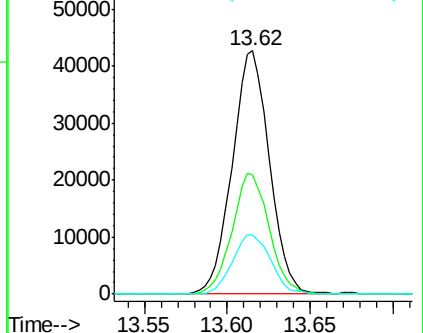
134 25.1 0.0 50.6

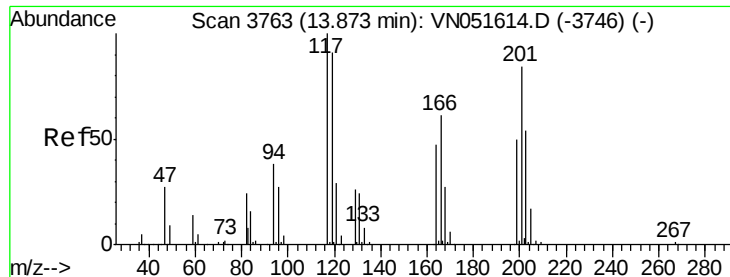


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

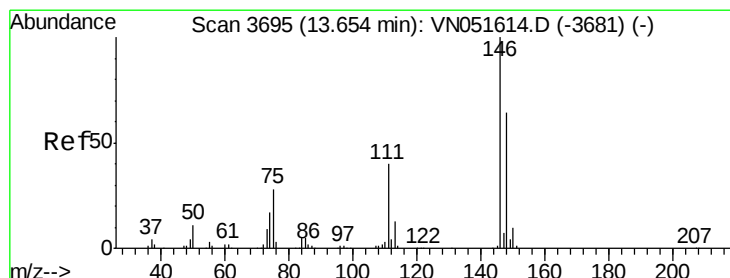
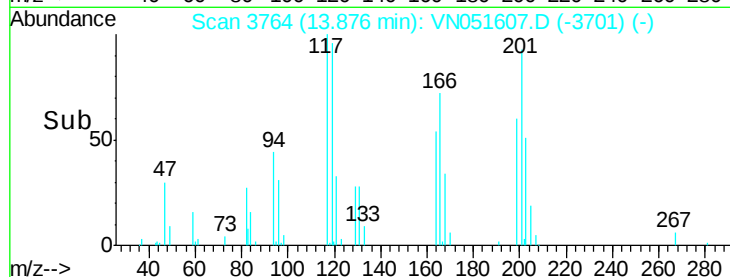
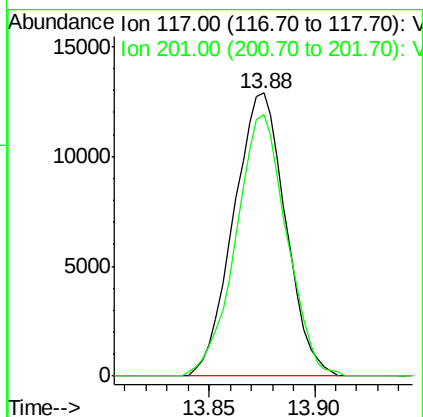
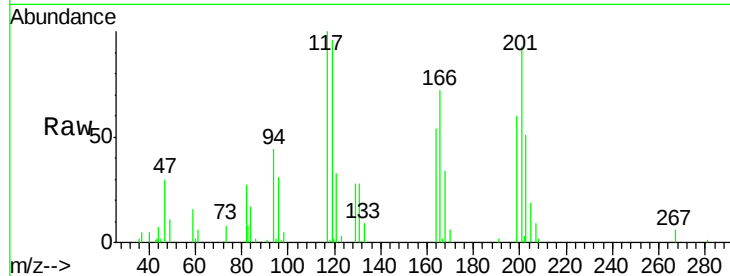




#86
Hexachloroethane
Concen: 4.666 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

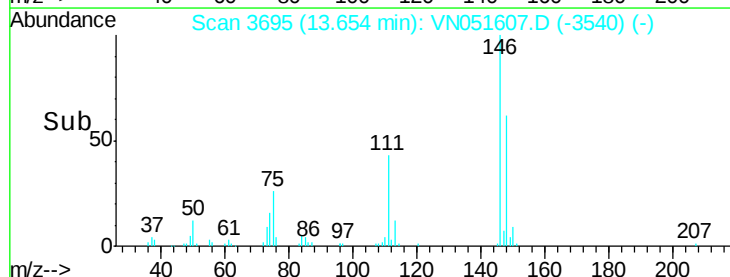
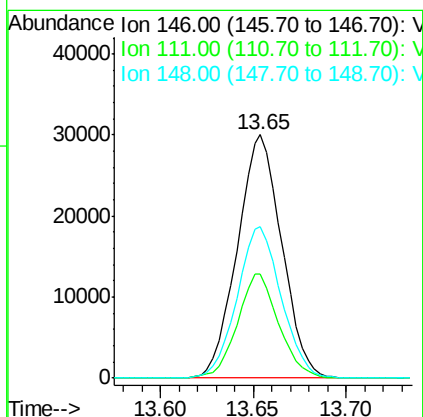
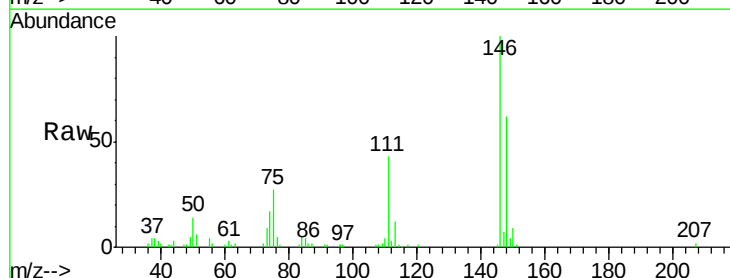
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

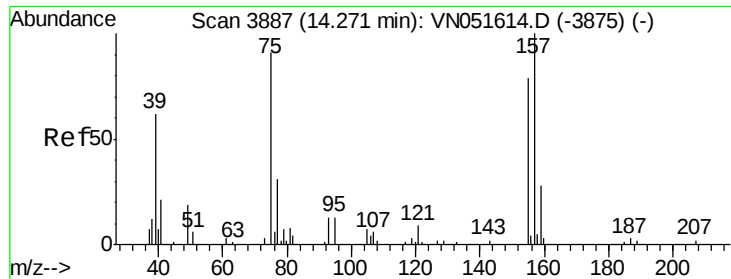
Tgt Ion:117 Resp: 22056
Ion Ratio Lower Upper
117 100
201 90.4 42.9 128.5



#87
1,2-Dichlorobenzene
Concen: 4.244 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN051607.D
Acq: 28 Sep 2018 8:15

Tgt Ion:146 Resp: 49786
Ion Ratio Lower Upper
146 100
111 39.6 20.1 60.3
148 61.8 32.1 96.5





#88

1,2-Dibromo-3-Chloropropane

Concen: 4.879 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

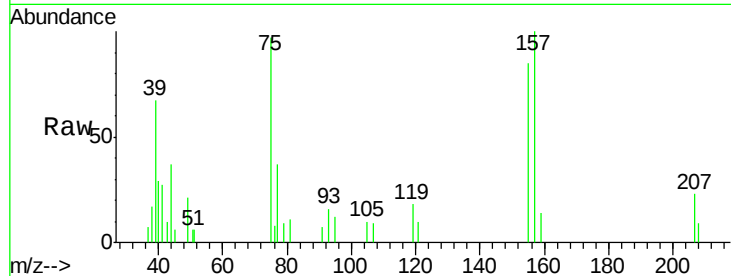
Tgt Ion: 75 Resp: 4757

Ion Ratio Lower Upper

75 100

155 79.8 67.1 100.7

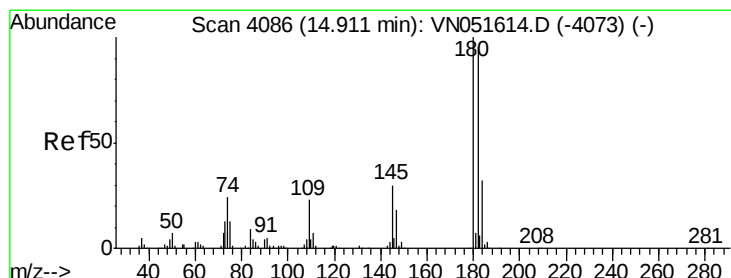
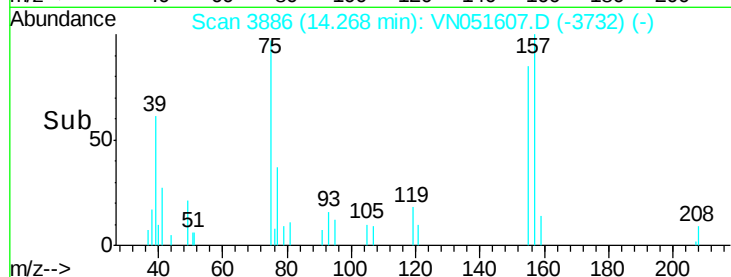
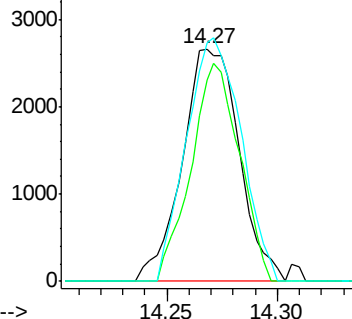
157 100.8 85.8 128.6



Abundance Ion 75.00 (74.70 to 75.70): VN051614.D (-3875) (-)

Ion 155.00 (154.70 to 155.70): VN051614.D (-3875) (-)

Ion 157.00 (156.70 to 157.70): VN051614.D (-3875) (-)



#89

1,2,4-Trichlorobenzene

Concen: 2.359 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

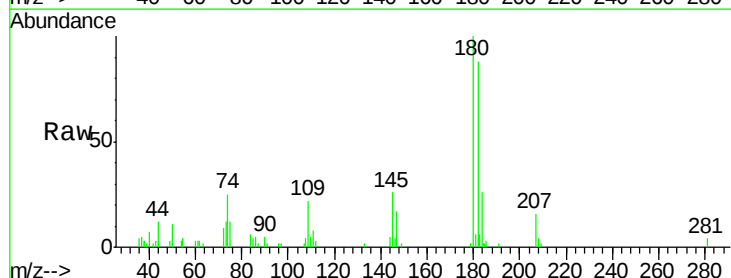
Tgt Ion: 180 Resp: 12949

Ion Ratio Lower Upper

180 100

182 95.8 75.2 112.8

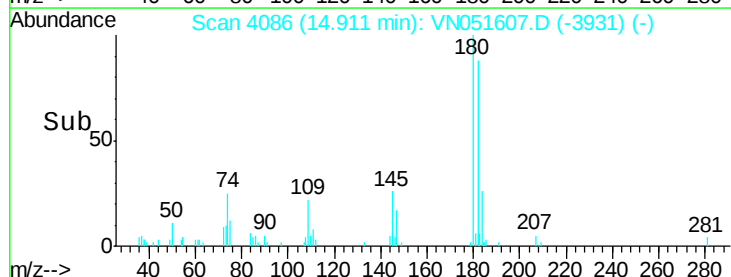
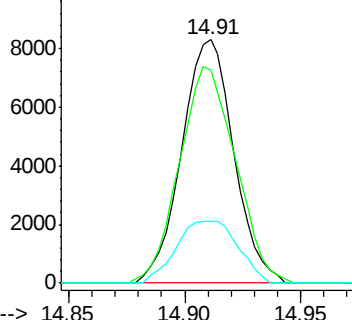
145 30.3 22.9 34.3

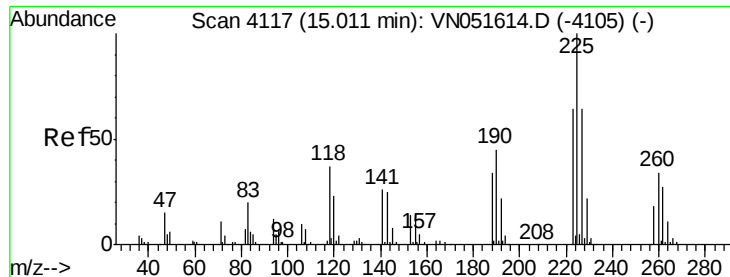


Abundance Ion 180.00 (179.70 to 180.70): VN051614.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051614.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051614.D (-4073) (-)





#90

Hexachlorobutadiene

Concen: 4.398 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

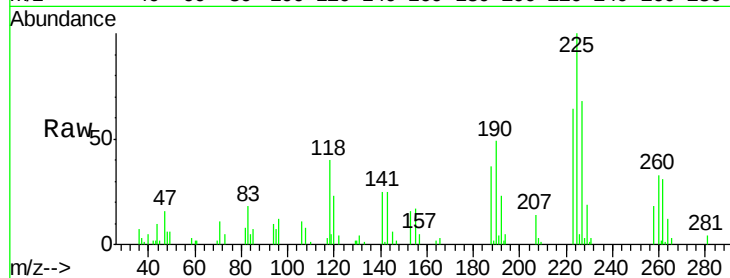
Tgt Ion:225 Resp: 19685

Ion Ratio Lower Upper

225 100

223 65.7 0.0 131.0

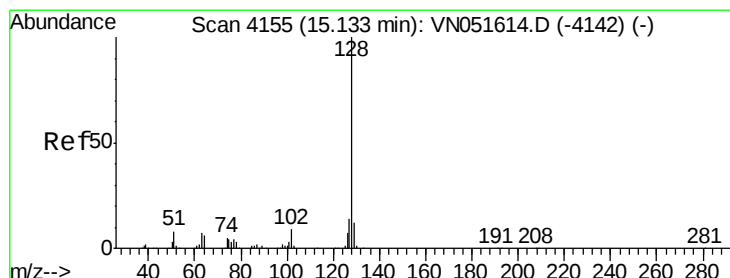
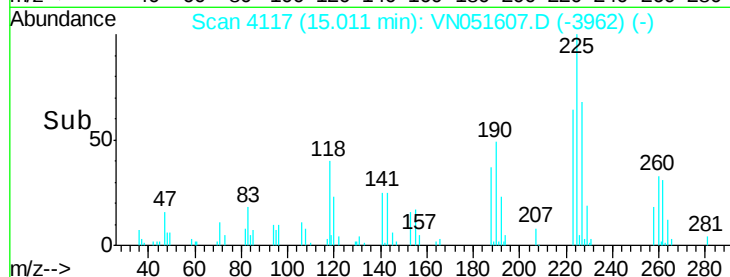
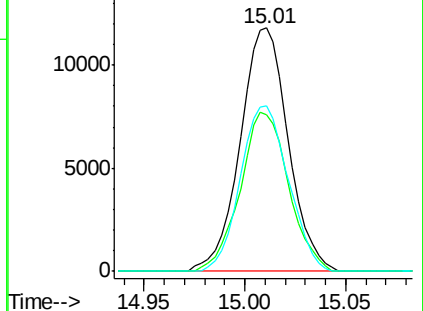
227 67.9 0.0 129.0



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: 2.146 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051607.D

Acq: 28 Sep 2018 8:15

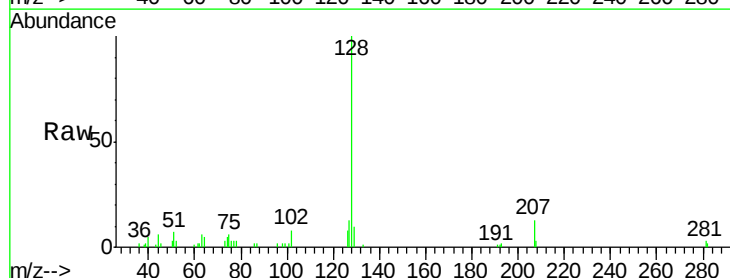
Tgt Ion:128 Resp: 22123

Ion Ratio Lower Upper

128 100

127 13.8 10.8 16.2

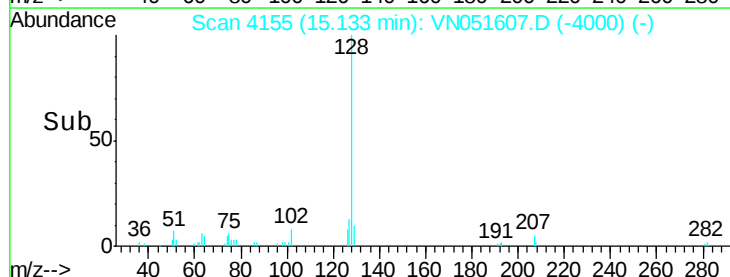
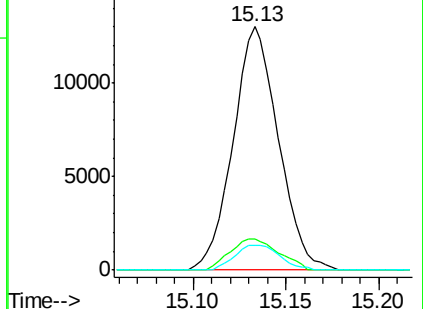
129 10.2 9.1 13.7

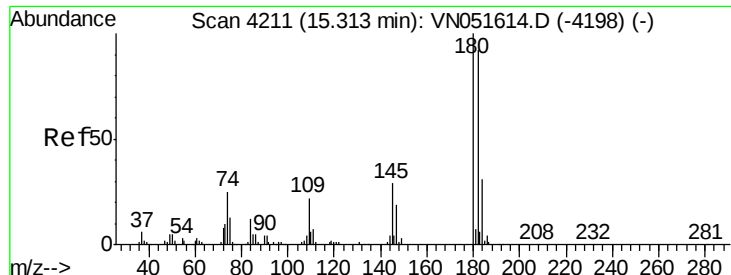


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 2.753 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN051607.D
 Acq: 28 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:	180	Resp:	15199
Ion Ratio	Lower	Upper	
180	100		
182	95.1	0.0	191.8
145	28.2	0.0	60.4

