

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051338.D
 Acq On : 20 Sep 2018 14:17
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 21 03:37:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	683411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	846707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	436208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	143358	19.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.70%	
35) Dibromofluoromethane	7.59	113	143334	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
50) Toluene-d8	10.09	98	541492	19.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.00%	
62) 4-Bromofluorobenzene	12.40	95	172405	18.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110177	19.29	ug/l	96
3) Chloromethane	2.06	50	144451	17.83	ug/l	99
4) Vinyl Chloride	2.18	62	155292	19.29	ug/l	98
5) Bromomethane	2.57	94	105184	18.73	ug/l	99
6) Chloroethane	2.71	64	96094	19.42	ug/l	100
7) Trichlorofluoromethane	3.02	101	223643	19.43	ug/l	97
8) Diethyl Ether	3.41	74	70101	19.04	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135079	19.13	ug/l	99
10) Methyl Iodide	3.95	142	195163	18.67	ug/l	99
11) Tert butyl alcohol	4.79	59	37587	95.71	ug/l	99
12) 1,1-Dichloroethene	3.74	96	121164	18.95	ug/l	99
13) Acrolein	3.61	56	44653	99.35	ug/l	100
14) Allyl chloride	4.33	41	169995	18.87	ug/l	99
15) Acrylonitrile	5.00	53	191710	96.33	ug/l	99
16) Acetone	3.82	43	130936	86.05	ug/l	99
17) Carbon Disulfide	4.05	76	361727	18.78	ug/l	99
18) Methyl Acetate	4.33	43	88208	16.87	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	300776	19.44	ug/l	99
20) Methylene Chloride	4.55	84	145881	19.16	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	131026	19.41	ug/l	95
22) Diisopropyl ether	5.95	45	365938	20.56	ug/l	95
23) Vinyl Acetate	5.90	43	1151119	99.99	ug/l	99
24) 1,1-Dichloroethane	5.85	63	232599	19.17	ug/l	99
25) 2-Butanone	6.84	43	201990	95.44	ug/l	96
26) 2,2-Dichloropropane	6.83	77	191264	19.08	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	145869	19.50	ug/l	99
28) Bromochloromethane	7.20	49	101209	20.13	ug/l	99
29) Tetrahydrofuran	7.21	42	133198	99.34	ug/l	99
30) Chloroform	7.37	83	246304	19.32	ug/l	98
31) Cyclohexane	7.65	56	205284	17.20	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	214475	19.52	ug/l	100
36) 1,1-Dichloropropene	7.80	75	180372	19.22	ug/l	99
37) Ethyl Acetate	6.93	43	93377	20.10	ug/l	98
38) Carbon Tetrachloride	7.78	117	195304	19.24	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051338.D
 Acq On : 20 Sep 2018 14:17
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 21 03:37:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207358	18.94	ug/l	97
40) Benzene	8.04	78	559183	19.78	ug/l	98
41) Methacrylonitrile	7.17	41	48863	20.19	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	167340	19.59	ug/l	100
43) Isopropyl Acetate	8.17	43	167326	20.57	ug/l	97
44) Trichloroethene	8.84	130	155580	19.17	ug/l	100
45) 1,2-Dichloropropane	9.12	63	142697	19.72	ug/l	99
46) Dibromomethane	9.21	93	88729	19.90	ug/l	99
47) Bromodichloromethane	9.40	83	186983	19.66	ug/l	99
48) Methyl methacrylate	9.20	41	76717	18.50	ug/l	96
49) 1,4-Dioxane	9.20	88	25120	409.58	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	451322	103.14	ug/l	99
52) Toluene	10.16	92	353804	20.32	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	175669	19.23	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	210633	19.92	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	127416	19.51	ug/l	98
56) Ethyl methacrylate	10.43	69	138109	20.03	ug/l	99
57) 1,3-Dichloropropane	10.71	76	203373	19.77	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	353089	104.12	ug/l	98
59) 2-Hexanone	10.75	43	290023	98.31	ug/l	98
60) Dibromochloromethane	10.90	129	147121	19.32	ug/l	99
61) 1,2-Dibromoethane	11.00	107	121249	19.31	ug/l	96
64) Tetrachloroethene	10.63	164	147210	19.94	ug/l	99
65) Chlorobenzene	11.43	112	393901	19.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148436	19.28	ug/l	99
67) Ethyl Benzene	11.51	91	621729	19.65	ug/l	100
68) m/p-Xylenes	11.62	106	503877	40.53	ug/l	98
69) o-Xylene	11.95	106	240485	20.07	ug/l	98
70) Styrene	11.96	104	380670	20.46	ug/l	100
71) Bromoform	12.13	173	102594	19.63	ug/l #	100
73) Isopropylbenzene	12.25	105	636679	19.92	ug/l	100
74) N-amyl acetate	12.07	43	131013	19.16	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	150045	19.02	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	175198	27.81	ug/l #	100
77) Bromobenzene	12.53	156	171112	19.37	ug/l	99
78) n-propylbenzene	12.59	91	696437	19.98	ug/l	99
79) 2-Chlorotoluene	12.67	91	426775	19.87	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	539637	20.82	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37003	20.34	ug/l	99
82) 4-Chlorotoluene	12.77	91	422133	20.22	ug/l	100
83) tert-Butylbenzene	12.99	119	467289	20.14	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	543695	21.14	ug/l	99
85) sec-Butylbenzene	13.17	105	631051	20.46	ug/l	99
86) p-Isopropyltoluene	13.29	119	550924	20.52	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	285502	19.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	275911	19.17	ug/l	99
89) n-Butylbenzene	13.61	91	399904	19.16	ug/l	98
90) Hexachloroethane	13.87	117	105792	18.40	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	282036	19.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19786	18.93	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
Data File : VN051338.D
Acq On : 20 Sep 2018 14:17
Operator : MD\SY
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Sep 21 03:37:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration

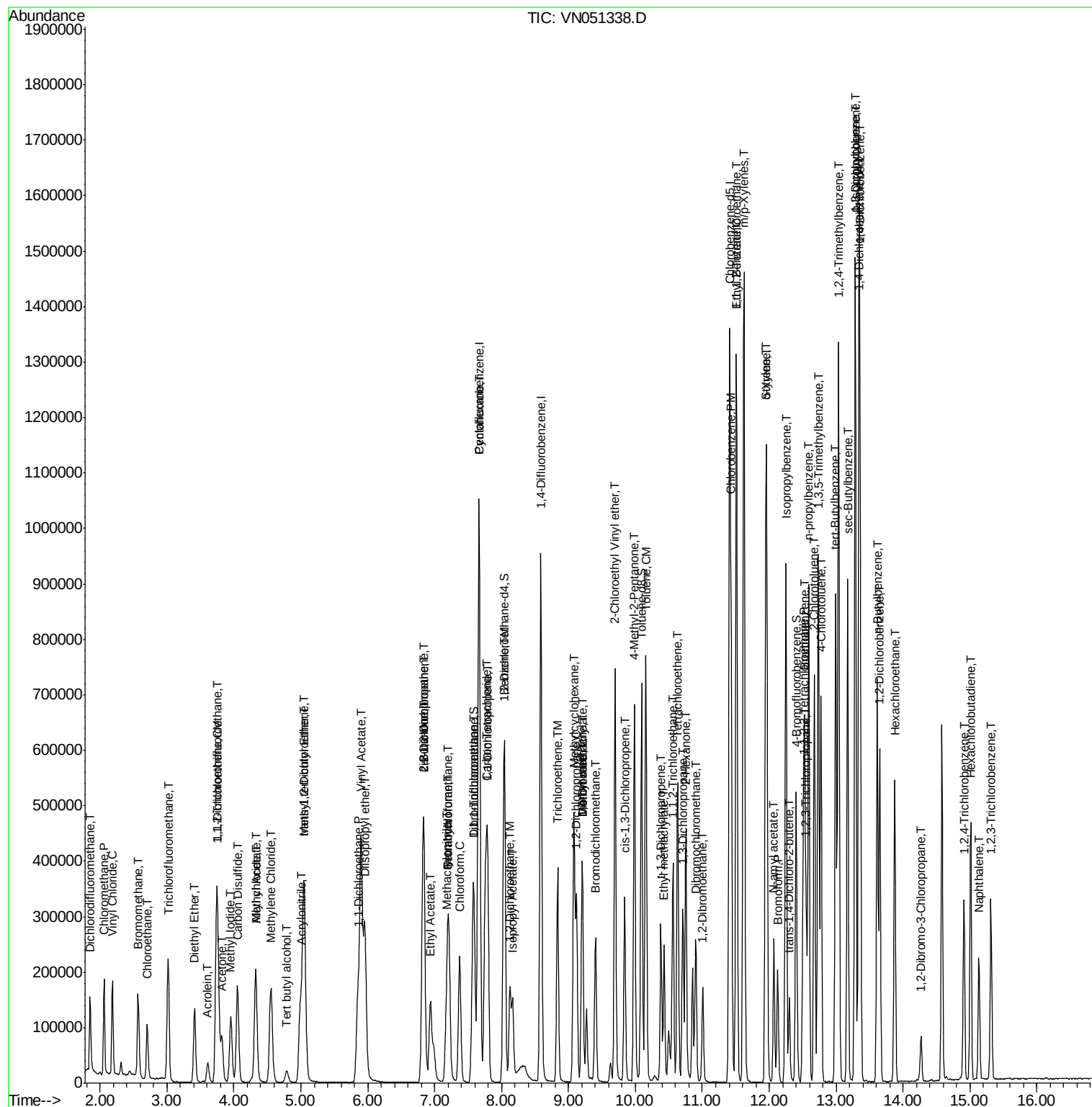
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	121848	18.53	ug/l	98
94) Hexachlorobutadiene	15.01	225	105496	18.95	ug/l	99
95) Naphthalene	15.13	128	200323	17.28	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	125437	19.18	ug/l	100

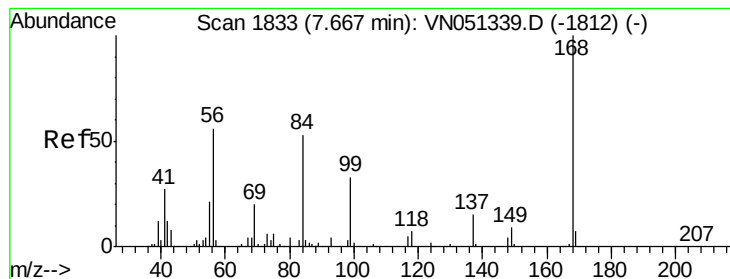
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
Data File : VN051338.D
Acq On : 20 Sep 2018 14:17
Operator : MD\SY
Sample : VSTDIC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Quant Time: Sep 21 03:37:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 03:27:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

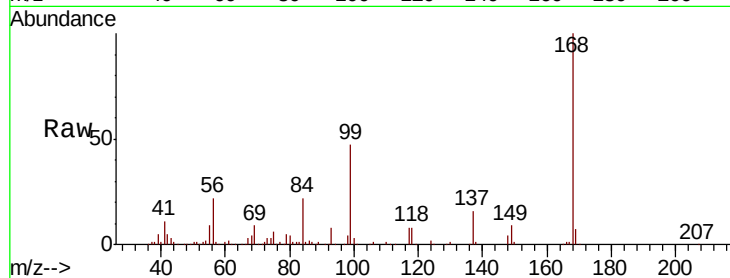
VSTDIC020

Tot Ion:168 Resp: 683411

Ion Ratio Lower Upper

168 100

99 46.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

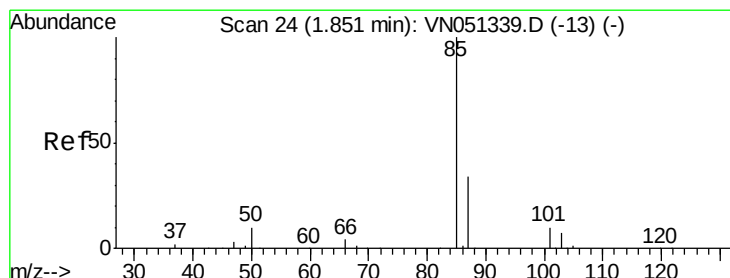
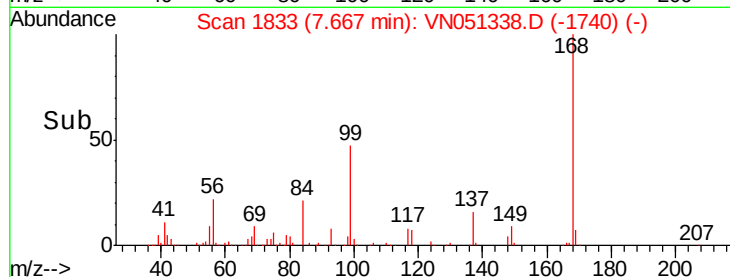
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.29 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051338.D

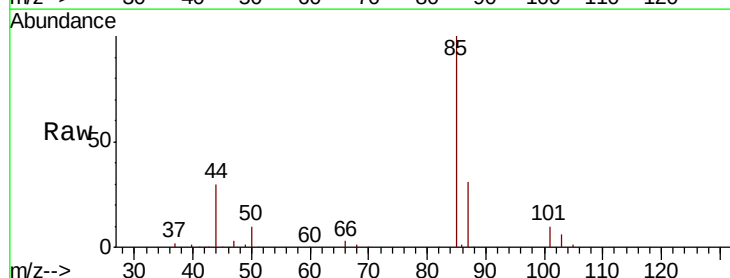
Acq: 20 Sep 2018 14:17

Tgt Ion: 85 Resp: 110177

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

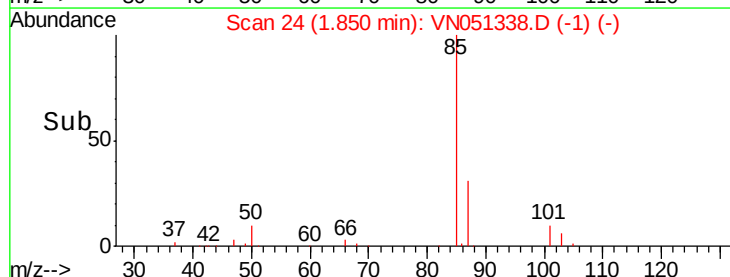
40000

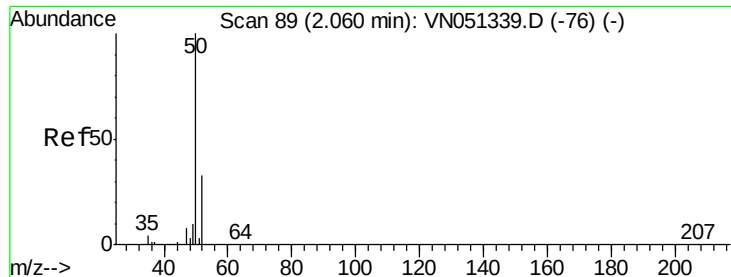
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.83 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

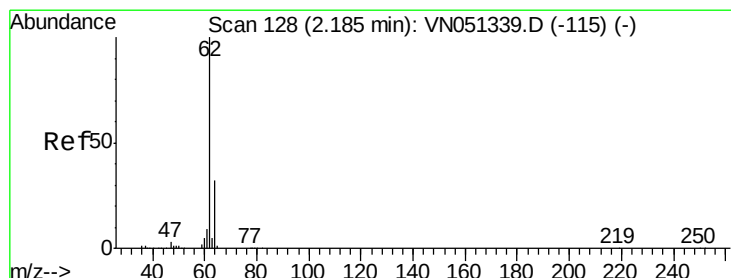
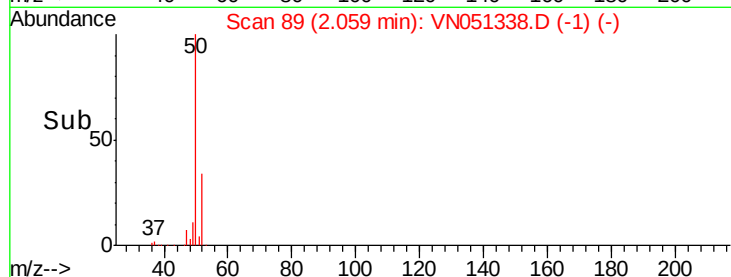
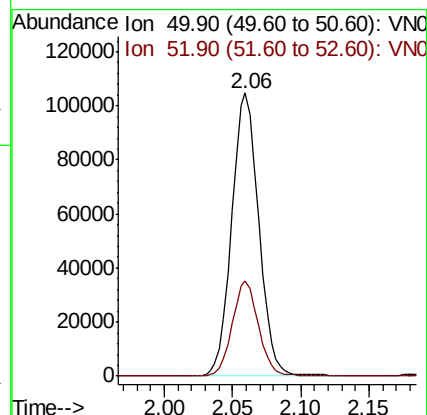
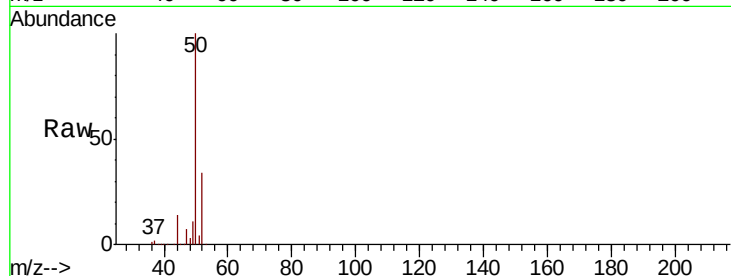
VSTDIC020

Tot Ion: 50 Resp: 144451

Ion Ratio Lower Upper

50 100

52 33.7 26.7 40.1



#4

Vinyl Chloride

Concen: 19.29 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051338.D

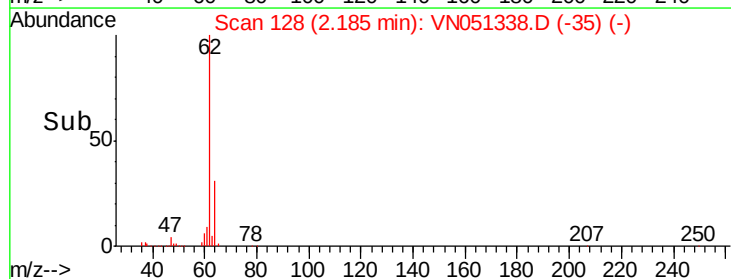
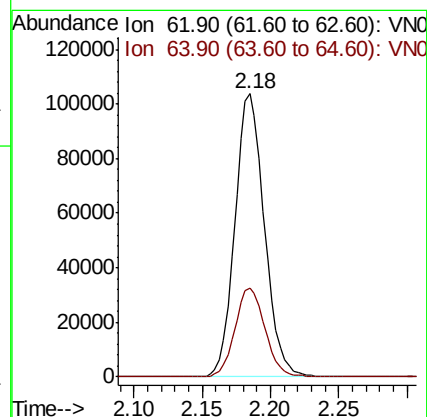
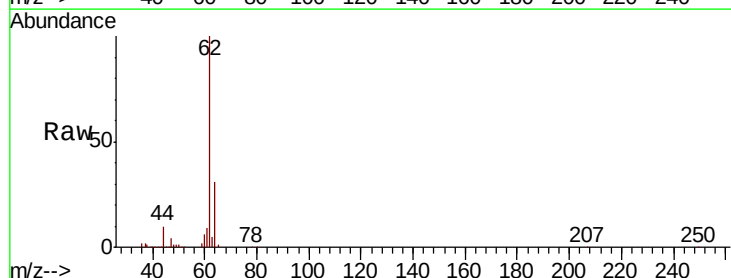
Acq: 20 Sep 2018 14:17

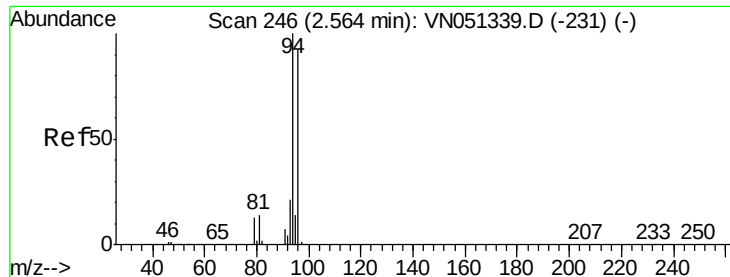
Tgt Ion: 62 Resp: 155292

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9





#5

Bromomethane

Concen: 18.73 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

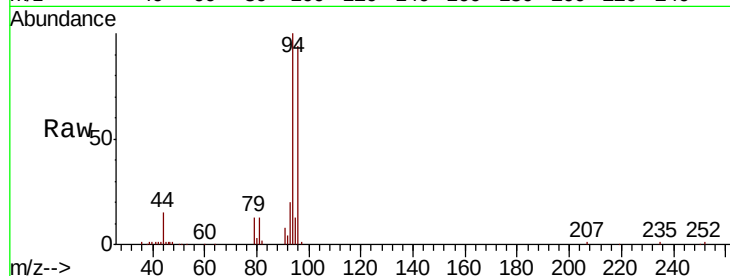
VSTDIC020

Tot Ion: 94 Resp: 105184

Ion Ratio Lower Upper

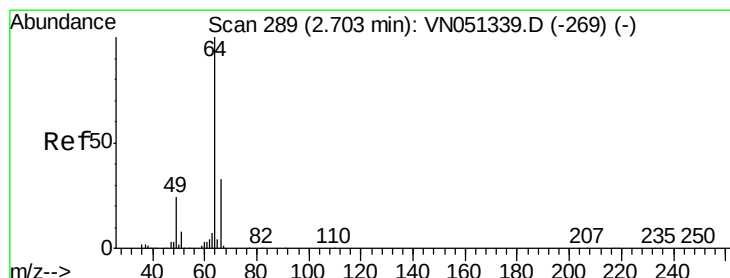
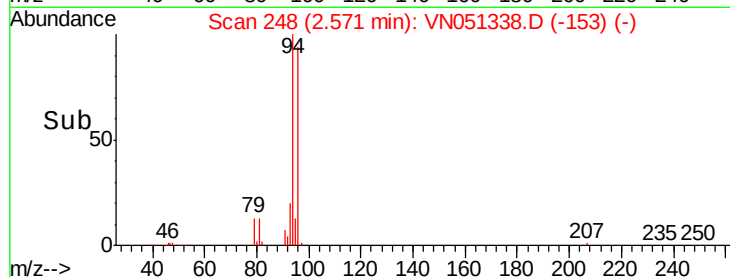
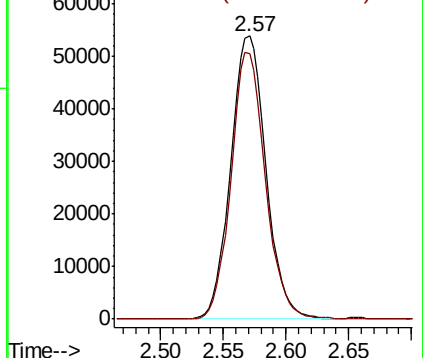
94 100

96 93.7 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.42 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051338.D

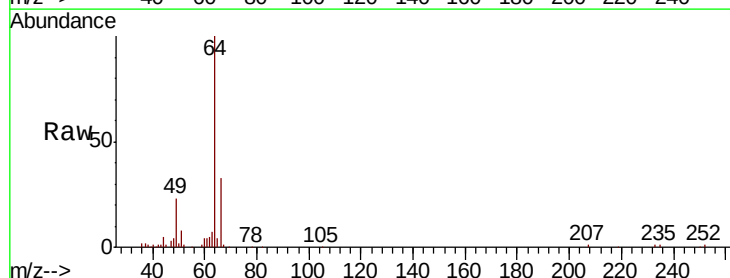
Acq: 20 Sep 2018 14:17

Tgt Ion: 64 Resp: 96094

Ion Ratio Lower Upper

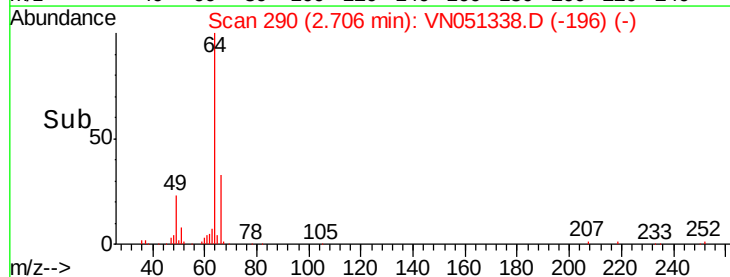
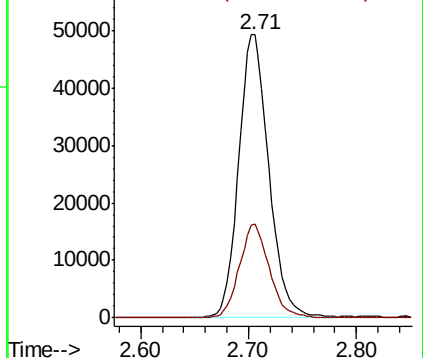
64 100

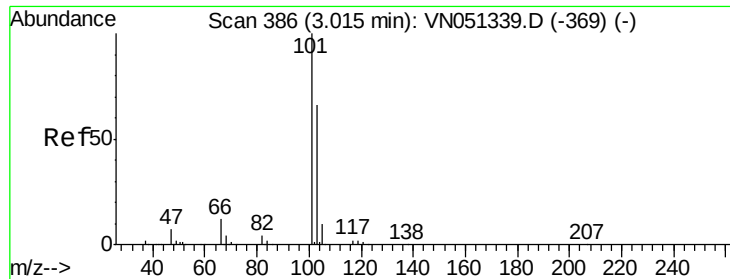
66 33.3 26.6 39.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



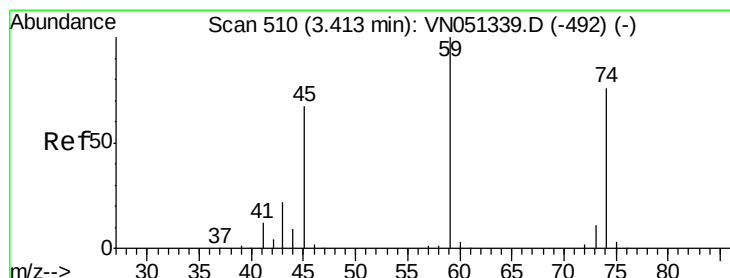
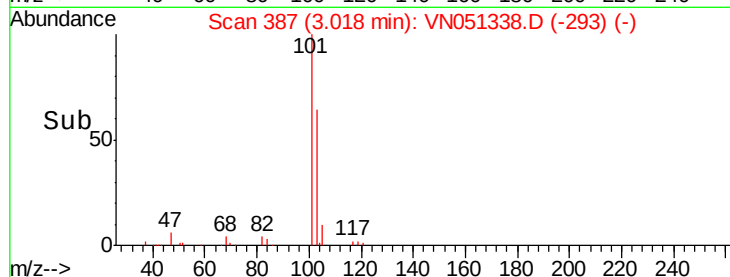
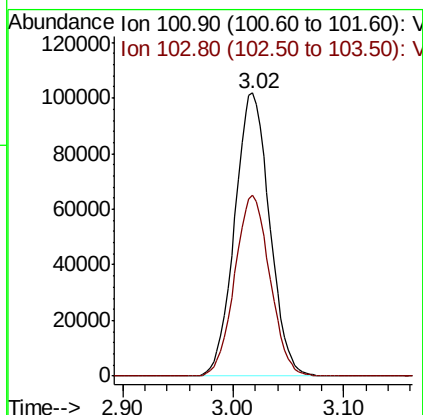
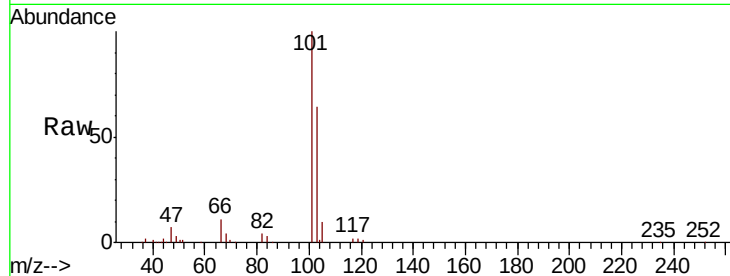


#7

Trichlorofluoromethane
 Concen: 19.43 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

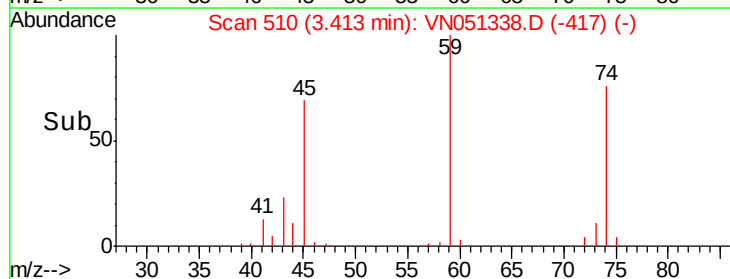
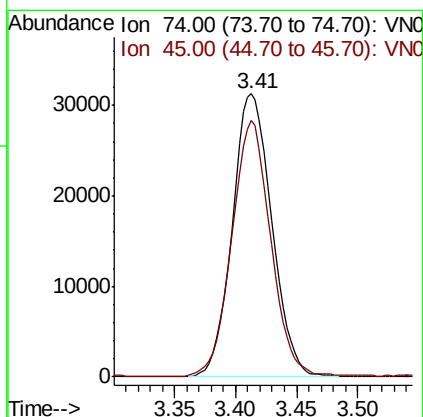
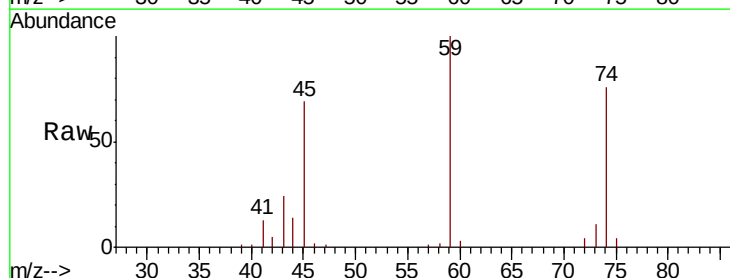
Tot Ion:101 Resp: 223643
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.7 79.1

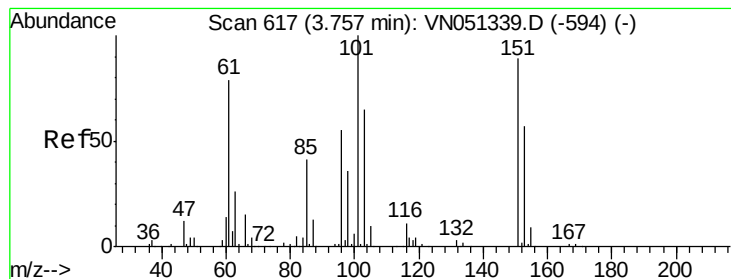


#8

Diethyl Ether
 Concen: 19.04 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion: 74 Resp: 70101
 Ion Ratio Lower Upper
 74 100
 45 89.1 44.1 132.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.13 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

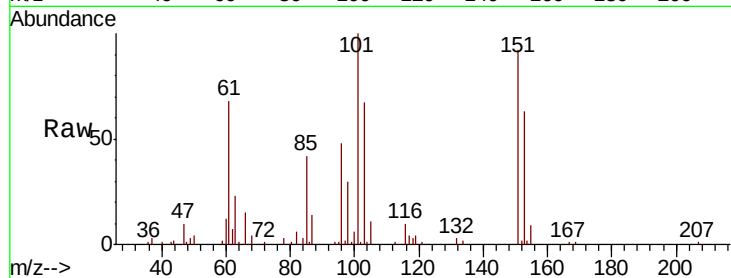
Tot Ion:101 Resp: 135079

Ion Ratio Lower Upper

101 100

85 40.5 33.4 50.2

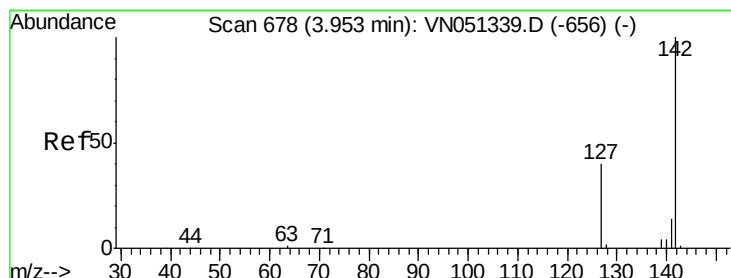
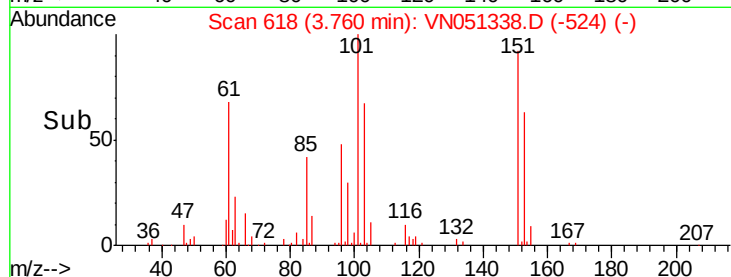
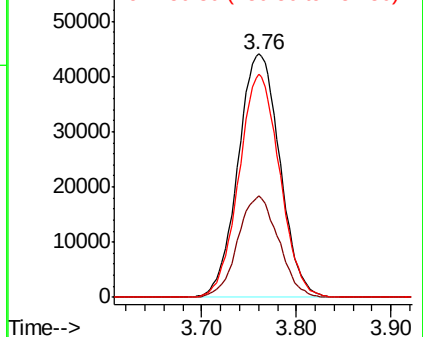
151 89.5 71.8 107.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.67 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

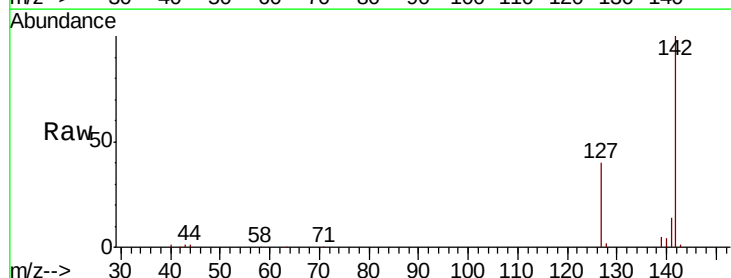
Tgt Ion:142 Resp: 195163

Ion Ratio Lower Upper

142 100

127 40.6 31.9 47.9

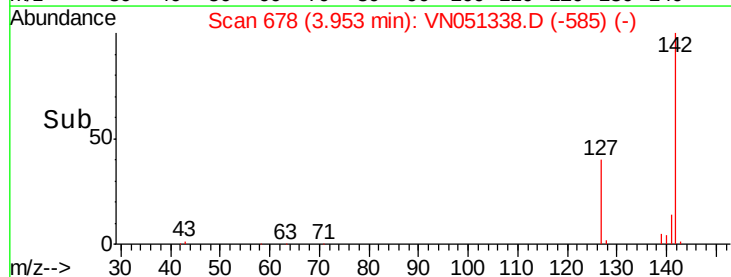
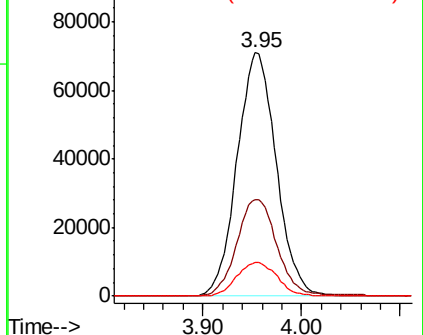
141 14.2 11.4 17.0

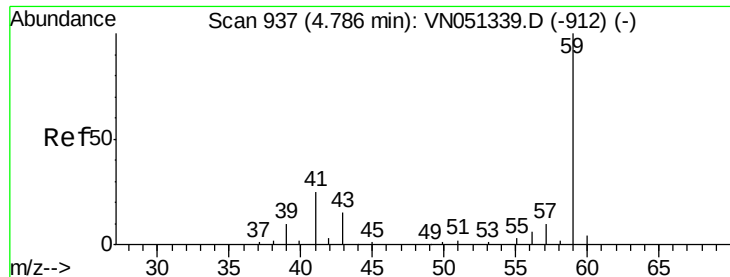


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

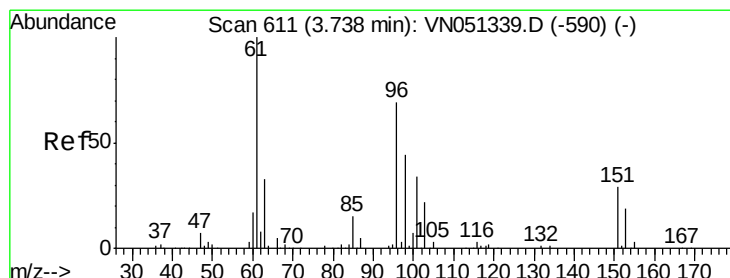
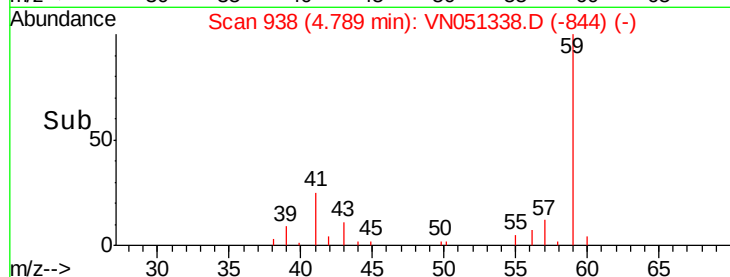
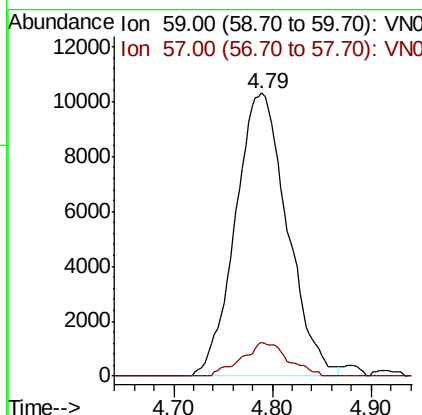
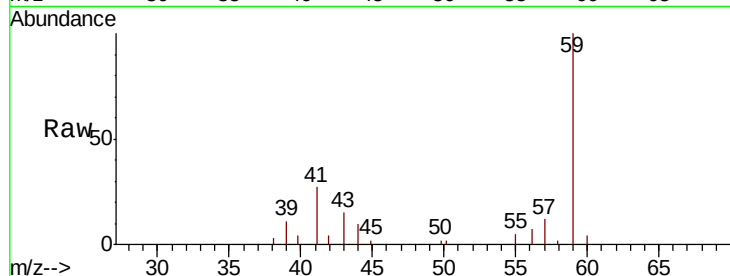




#11
Tert butyl alcohol
Concen: 95.71 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

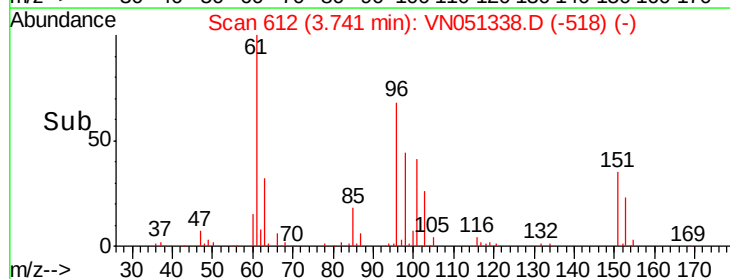
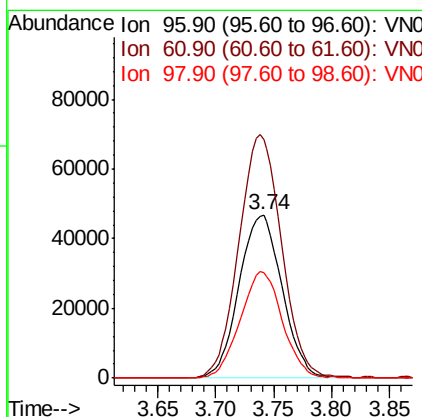
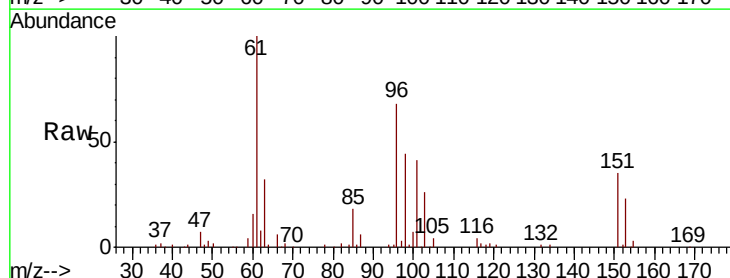
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

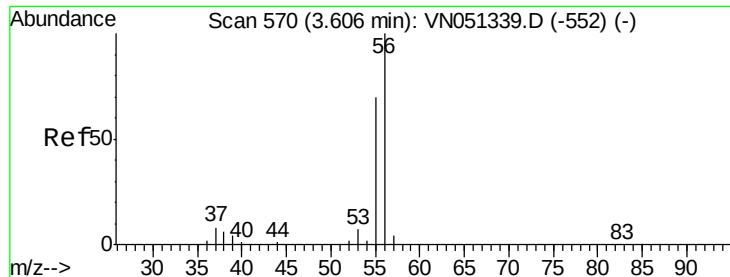
Tot Ion: 59 Resp: 37587
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5



#12
1,1-Dichloroethene
Concen: 18.95 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 96 Resp: 121164
Ion Ratio Lower Upper
96 100
61 146.5 116.4 174.6
98 64.8 50.9 76.3





#13

Acrolein

Concen: 99.35 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

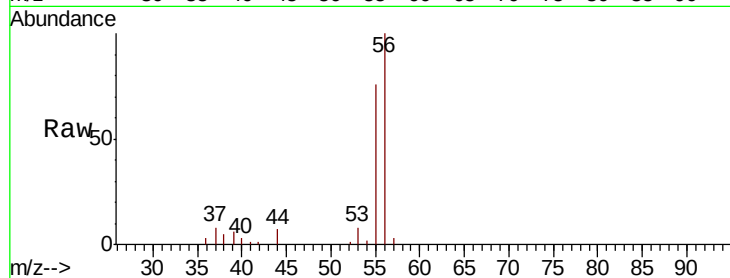
VSTDIC020

Tot Ion: 56 Resp: 44653

Ion Ratio Lower Upper

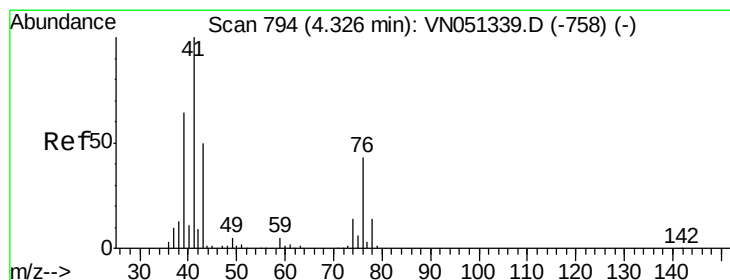
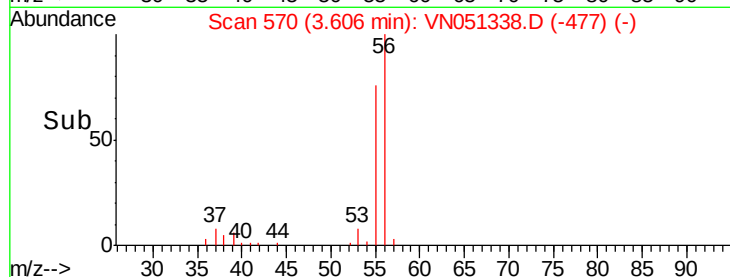
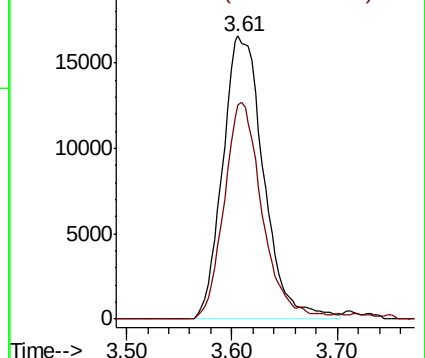
56 100

55 71.0 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.87 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

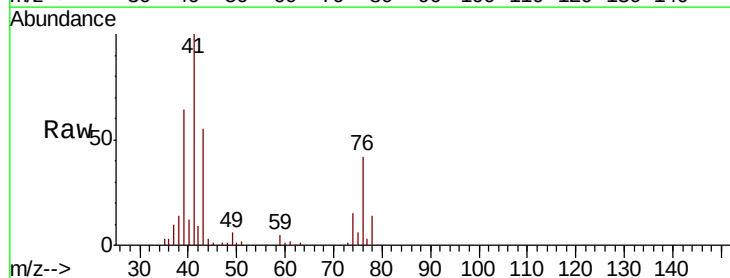
Tgt Ion: 41 Resp: 169995

Ion Ratio Lower Upper

41 100

39 62.4 50.4 75.6

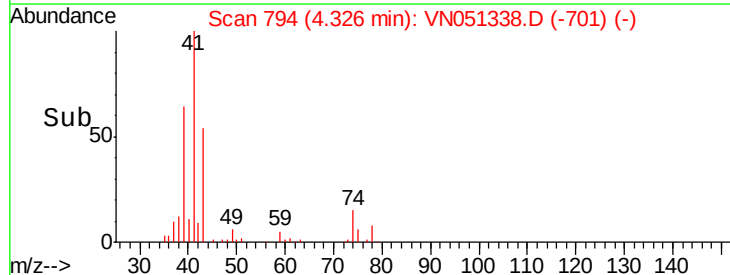
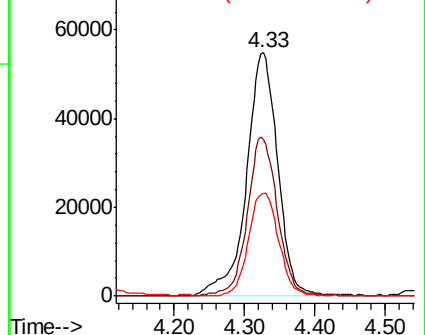
76 40.7 32.4 48.6

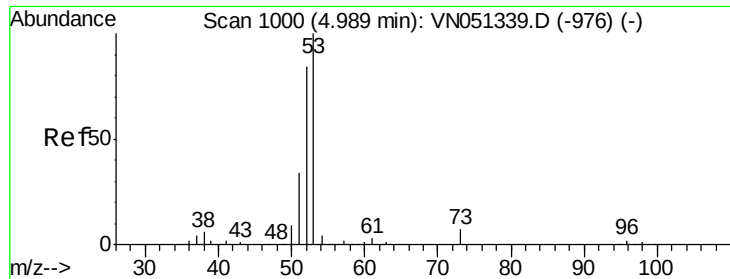


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.33 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

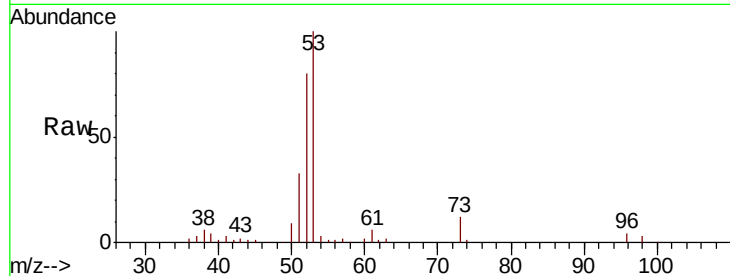
Tot Ion: 53 Resp: 191710

Ion Ratio Lower Upper

53 100

52 81.3 65.4 98.0

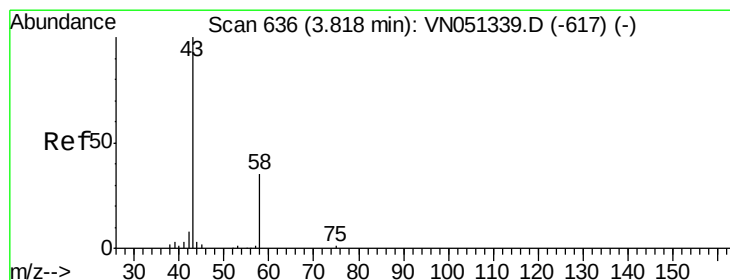
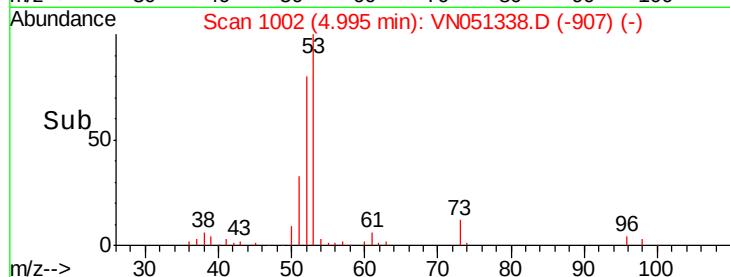
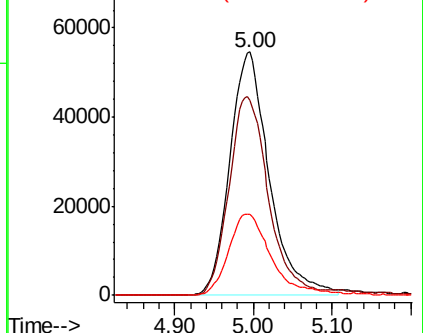
51 36.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 86.05 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051338.D

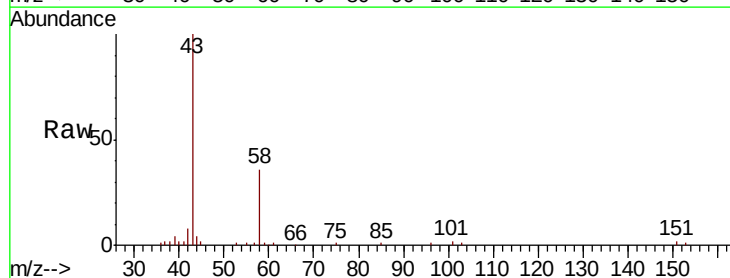
Acq: 20 Sep 2018 14:17

Tgt Ion: 43 Resp: 130936

Ion Ratio Lower Upper

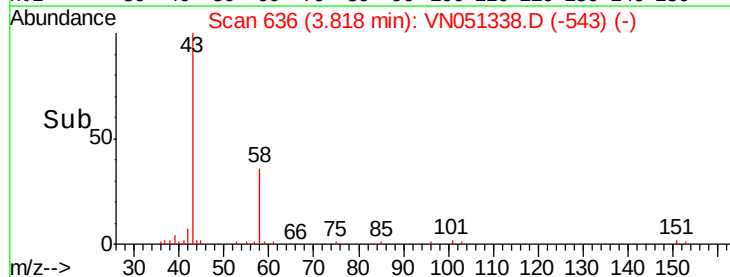
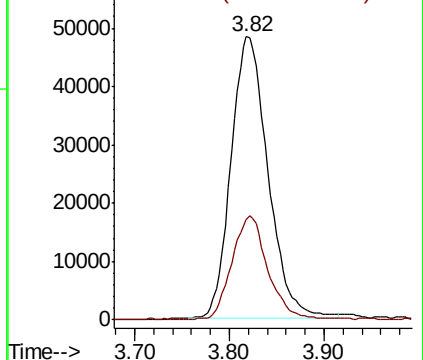
43 100

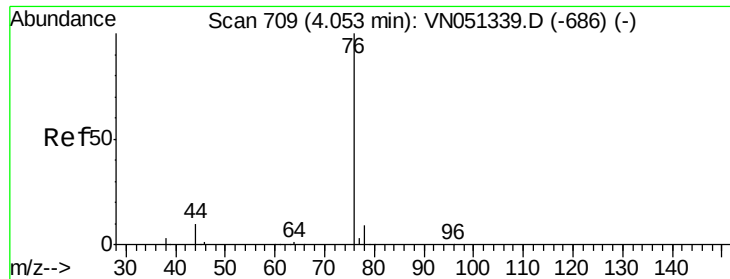
58 35.8 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

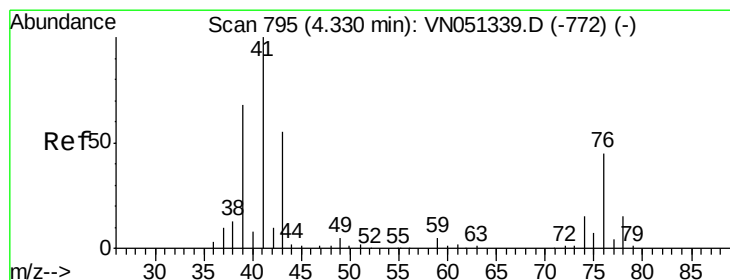
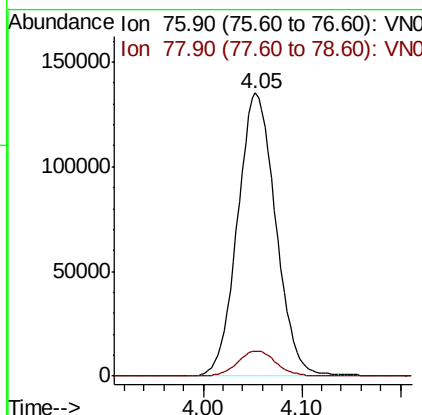
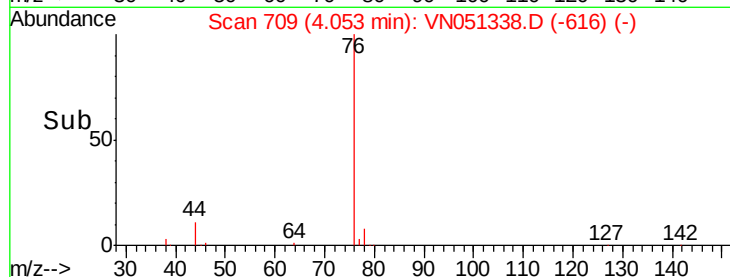
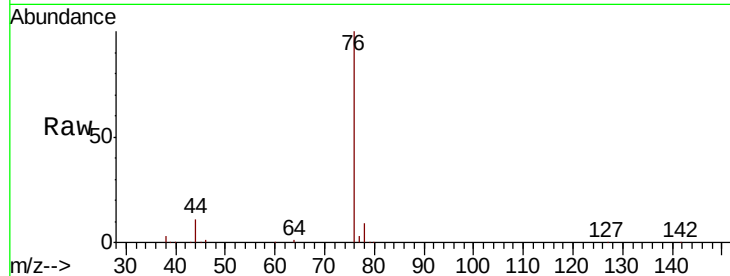




#17
Carbon Disulfide
Concen: 18.78 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

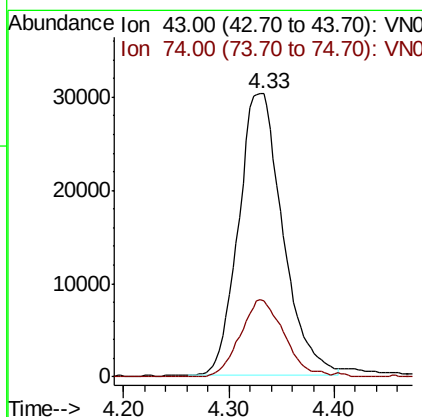
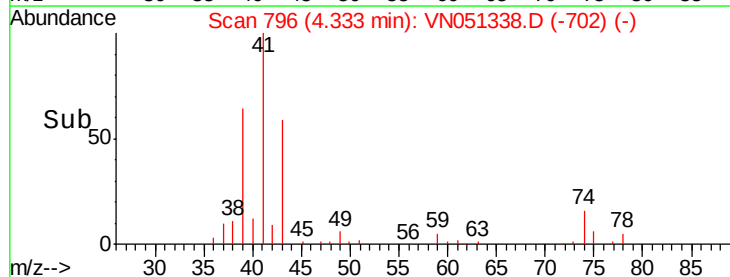
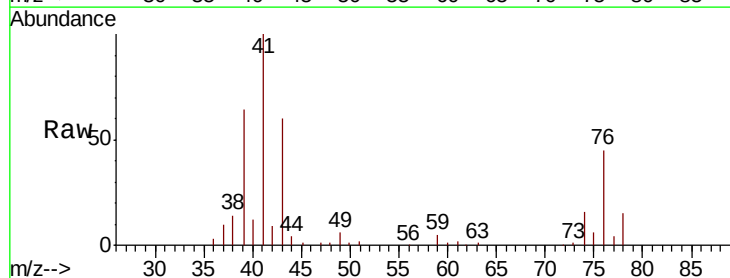
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

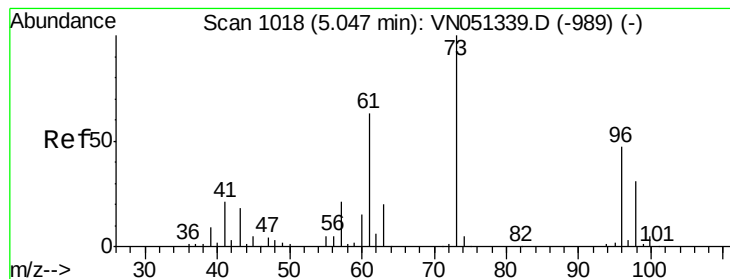
Tot Ion: 76 Resp: 361727
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6



#18
Methyl Acetate
Concen: 16.87 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 43 Resp: 88208
Ion Ratio Lower Upper
43 100
74 27.2 21.7 32.5





#19

Methyl tert-butyl Ether

Concen: 19.44 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleID :

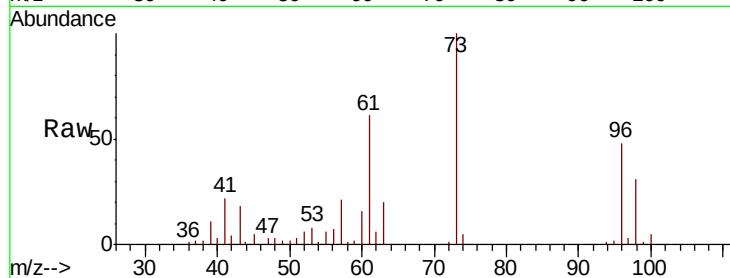
VSTDIC020

Tot Ion: 73 Resp: 300776

Ion Ratio Lower Upper

73 100

57 20.8 16.9 25.3



Abundance Ion 73.00 (72.70 to 73.70): VN051338.D (-989) (-)

Ion 57.00 (56.70 to 57.70): VN051338.D (-989) (-)

5.05

80000

60000

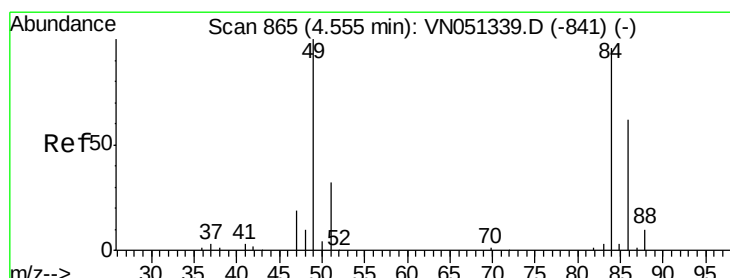
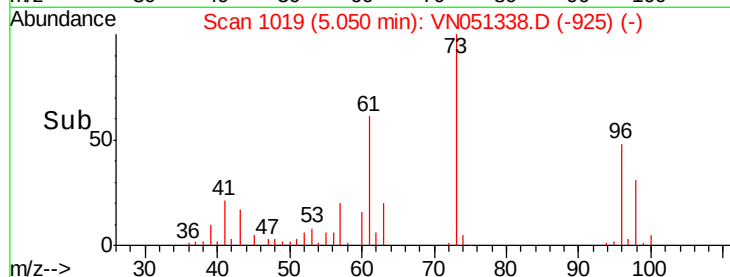
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 19.16 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion: 84 Resp: 145881

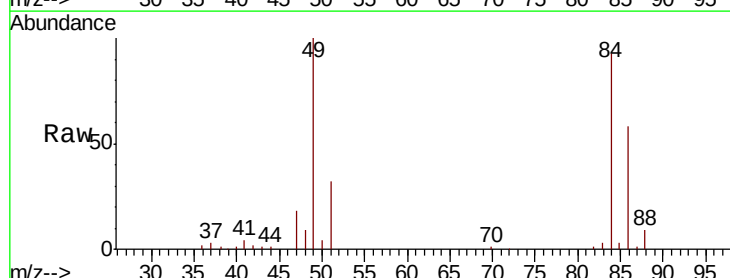
Ion Ratio Lower Upper

84 100

49 107.7 83.2 124.8

51 34.5 26.4 39.6

86 62.7 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN051338.D (-772) (-)

Ion 48.90 (48.60 to 49.60): VN051338.D (-772) (-)

Ion 50.90 (50.60 to 51.60): VN051338.D (-772) (-)

Ion 85.90 (85.60 to 86.60): VN051338.D (-772) (-)

4.55

60000

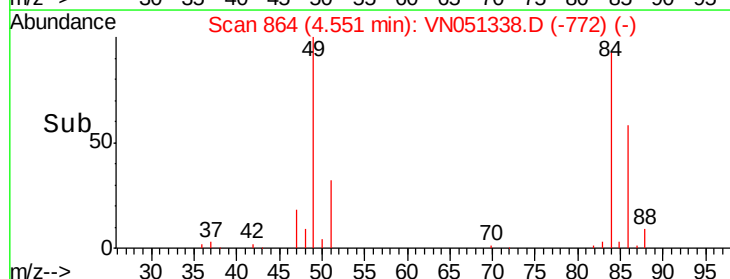
40000

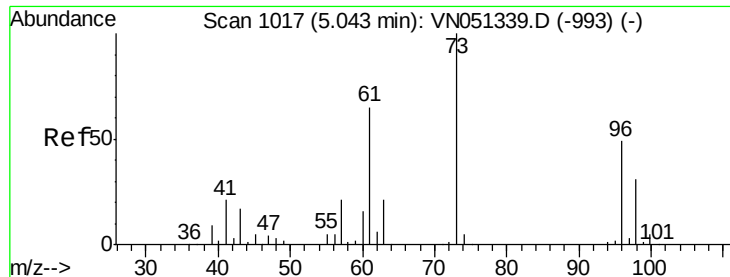
20000

0

Time-->

4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 19.41 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

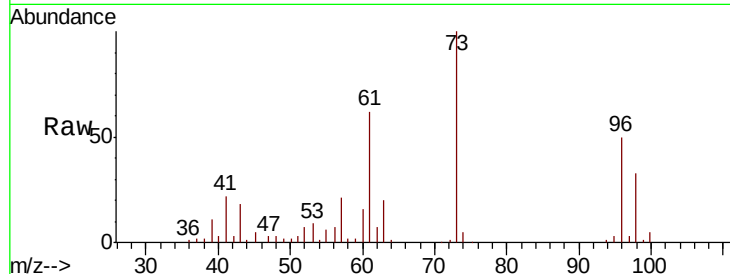
Tot Ion: 96 Resp: 131026

Ion Ratio Lower Upper

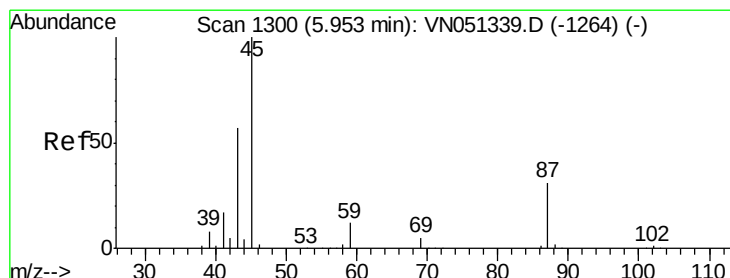
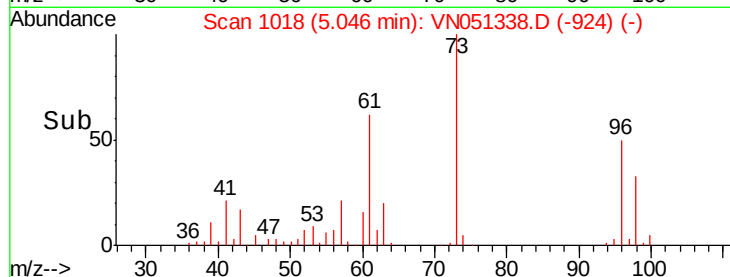
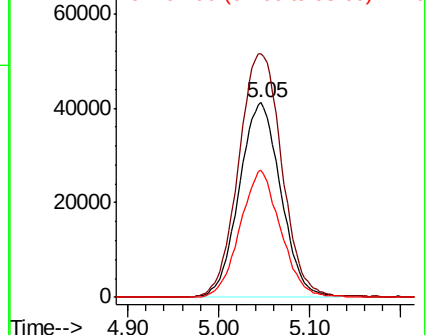
96 100

61 125.1 106.2 159.4

98 65.6 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.56 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion: 45 Resp: 365938

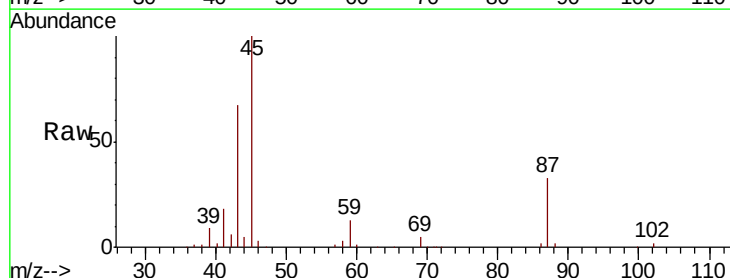
Ion Ratio Lower Upper

45 100

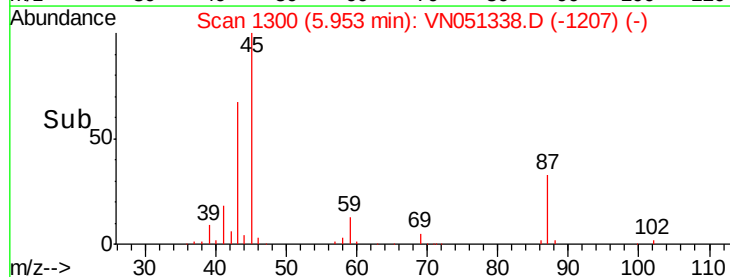
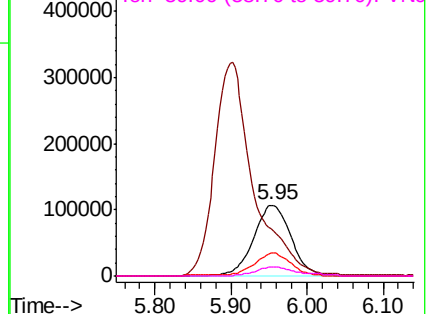
43 63.9 46.1 69.1

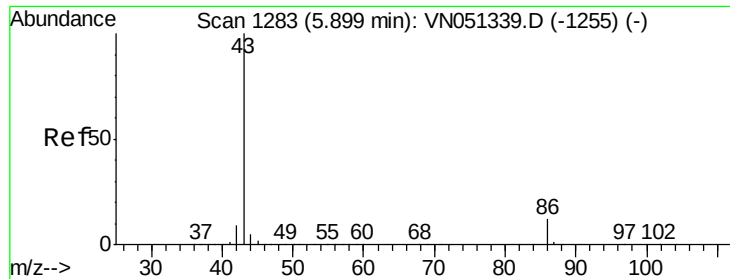
87 32.2 25.6 38.4

59 12.8 9.9 14.9



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 99.99 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

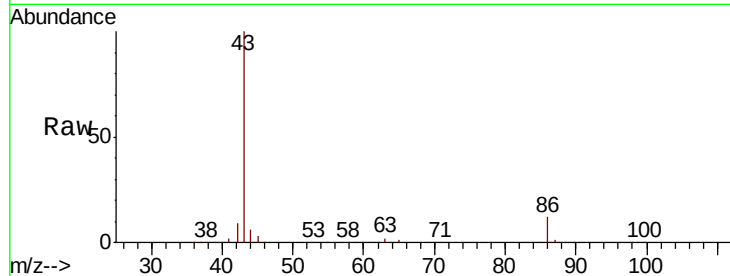
VSTDIC020

Tot Ion: 43 Resp: 1151119

Ion Ratio Lower Upper

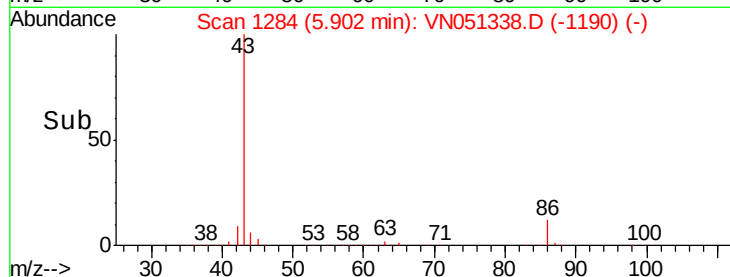
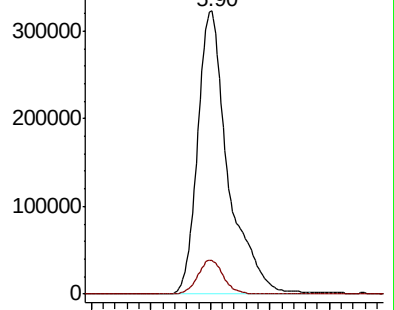
43 100

86 11.7 9.8 14.6

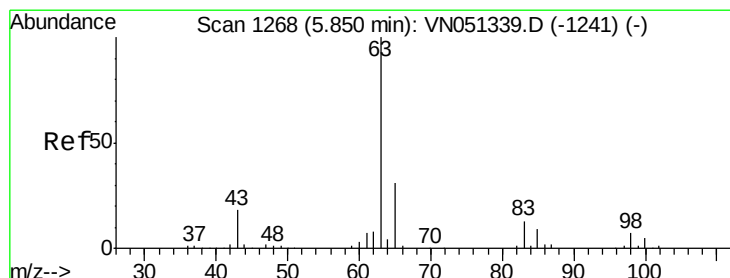


Abundance Ion 43.00 (42.70 to 43.70): VN051338.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN051338.D (-1255) (-)



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.17 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

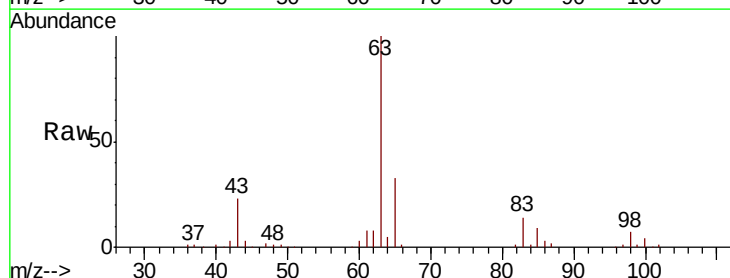
Tgt Ion: 63 Resp: 232599

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

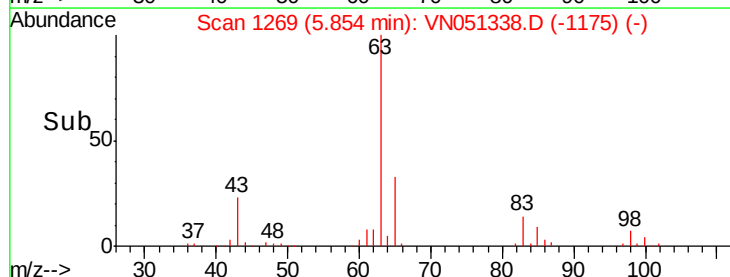
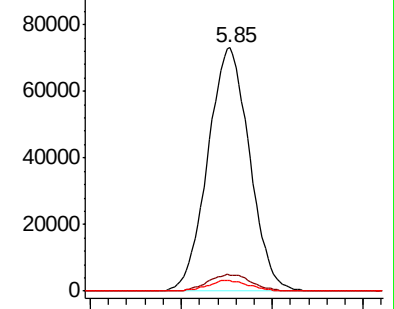
100 4.1 2.3 6.9



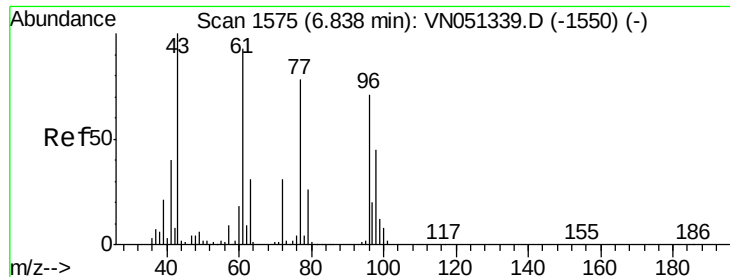
Abundance Ion 62.90 (62.60 to 63.60): VN051338.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN051338.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN051338.D (-1241) (-)



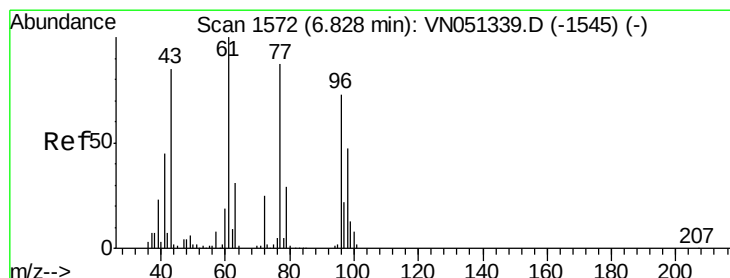
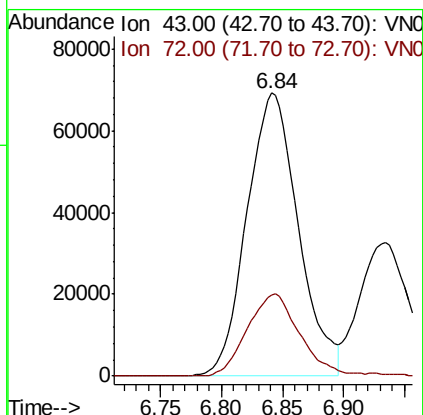
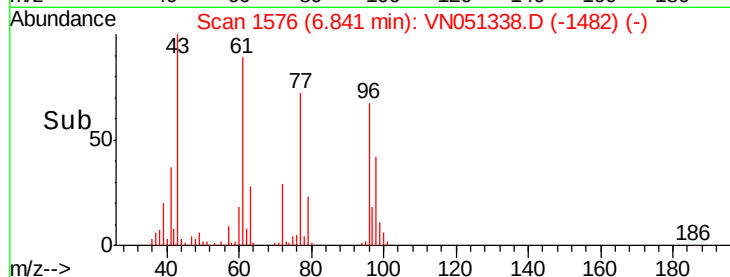
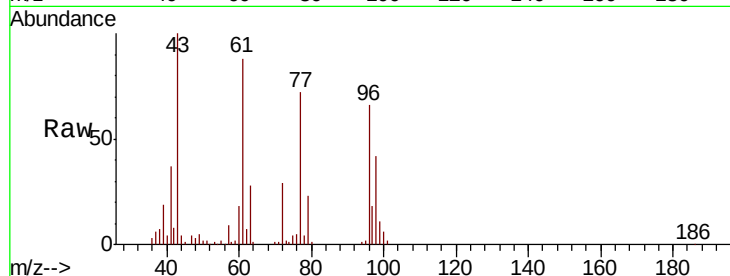
Time--> 5.70 5.80 5.90



#25
2-Butanone
Concen: 95.44 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

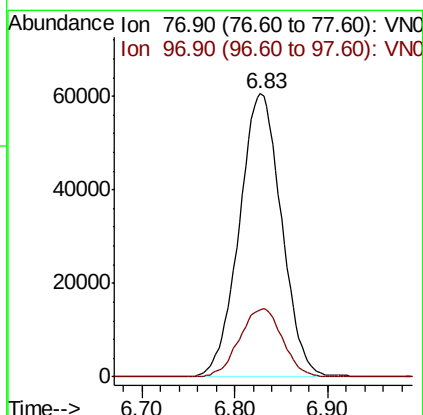
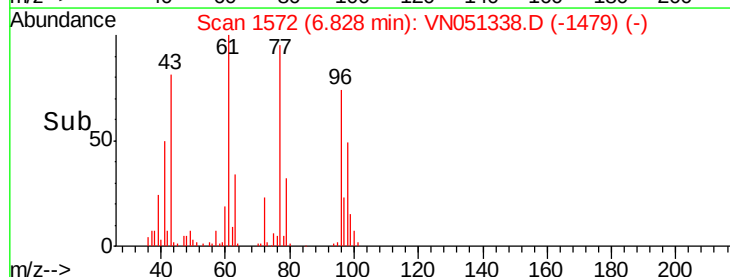
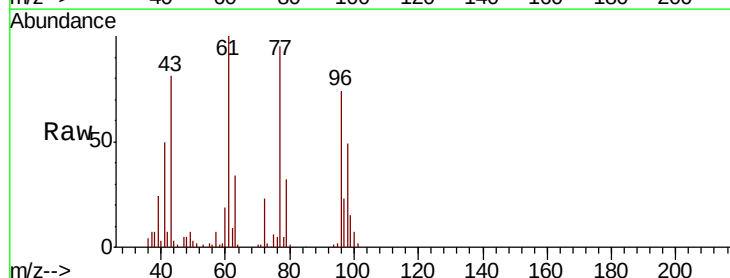
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

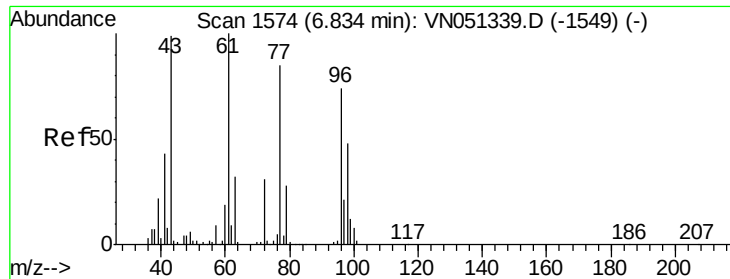
Tot Ion: 43 Resp: 201990
Ion Ratio Lower Upper
43 100
72 29.0 24.7 37.1



#26
2,2-Dichloropropane
Concen: 19.08 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 77 Resp: 191264
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.50 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

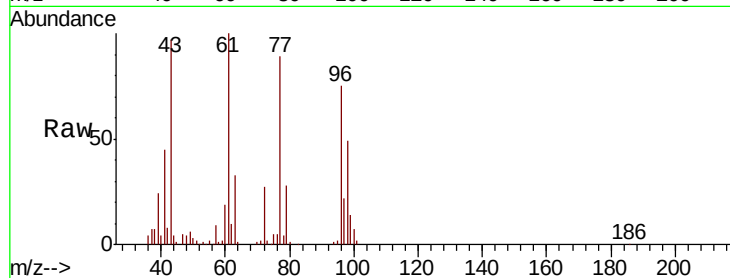
Tot Ion: 96 Resp: 145869

Ion Ratio Lower Upper

96 100

61 134.1 0.0 271.2

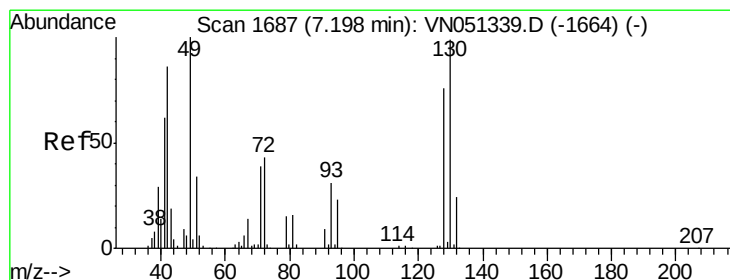
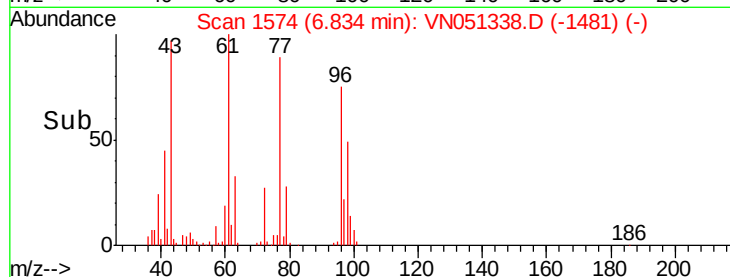
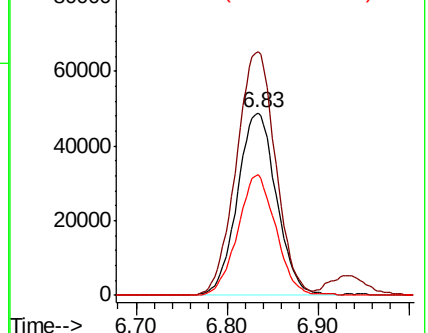
98 64.1 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN051338.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051338.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051338.D (-1549) (-)



#28

Bromochloromethane

Concen: 20.13 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

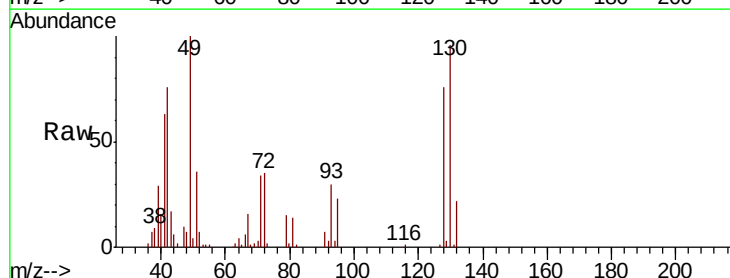
Tgt Ion: 49 Resp: 101209

Ion Ratio Lower Upper

49 100

129 2.6 0.0 4.0

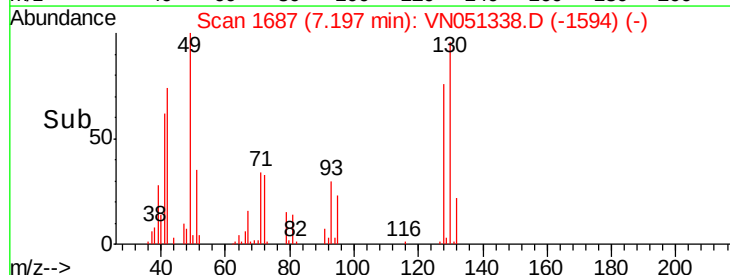
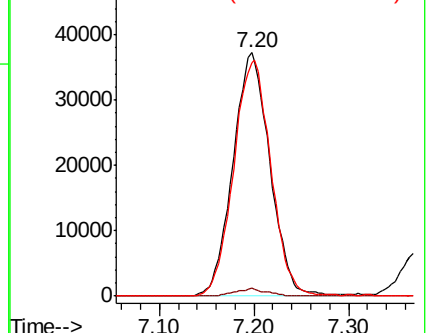
130 97.6 77.4 116.2

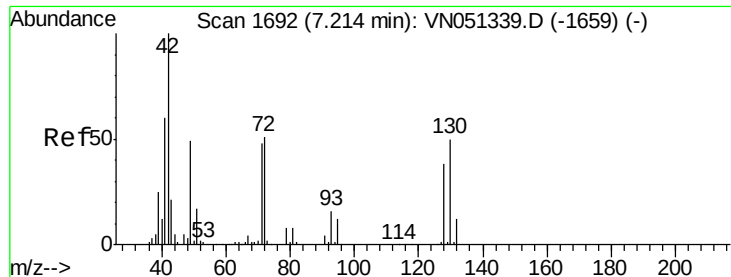


Abundance Ion 48.90 (48.60 to 49.60): VN051338.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN051338.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN051338.D (-1664) (-)

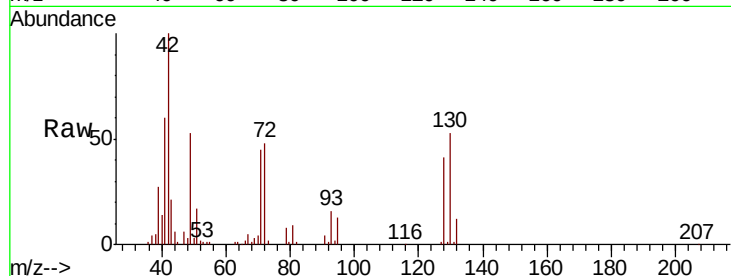




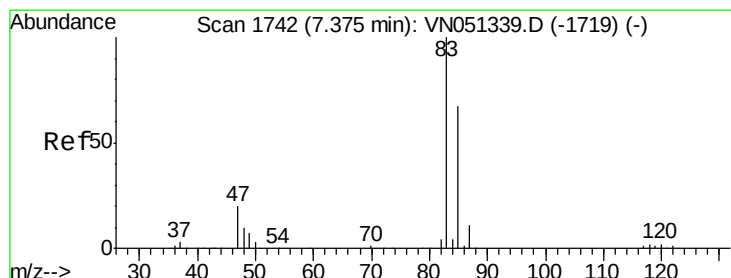
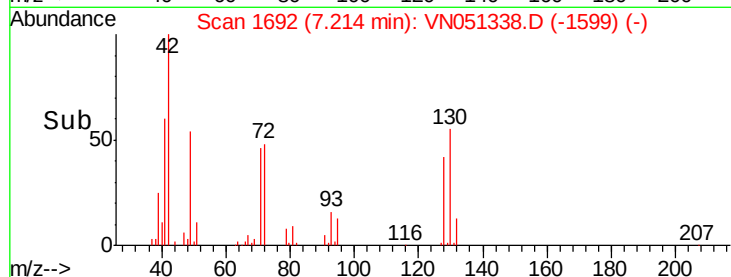
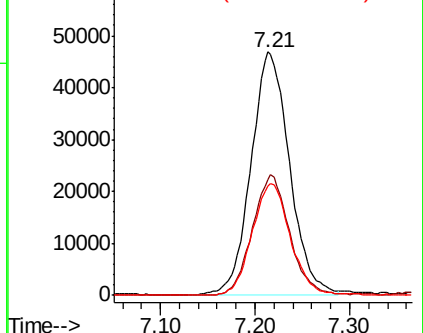
#29
Tetrahydrofuran
Concen: 99.34 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 42 Resp: 133198
Ion Ratio Lower Upper
42 100
72 47.6 39.0 58.4
71 45.1 36.5 54.7

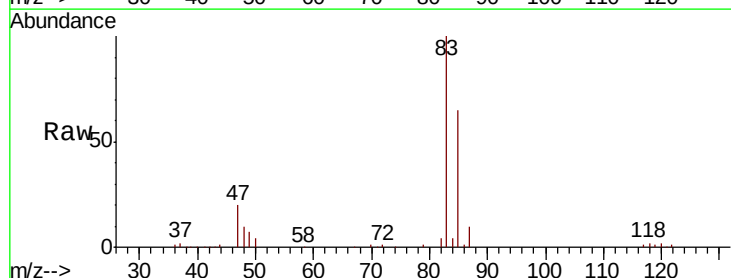


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

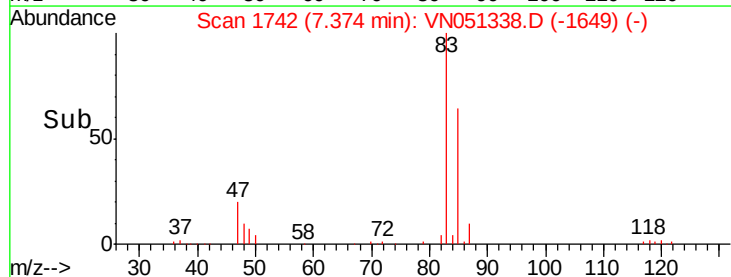
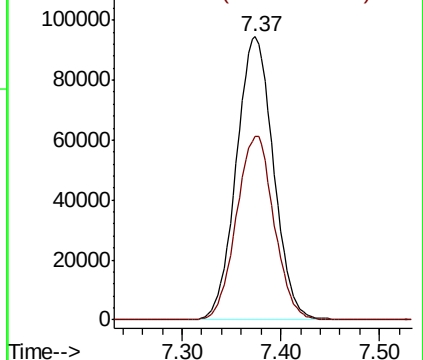


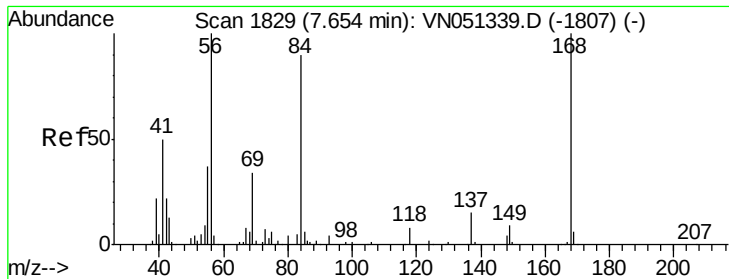
#30
Chloroform
Concen: 19.32 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 83 Resp: 246304
Ion Ratio Lower Upper
83 100
85 64.6 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.20 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

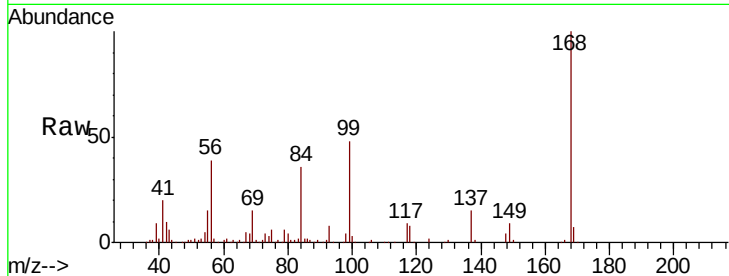
Tot Ion: 56 Resp: 205284

Ion Ratio Lower Upper

56 100

69 39.1 27.3 40.9

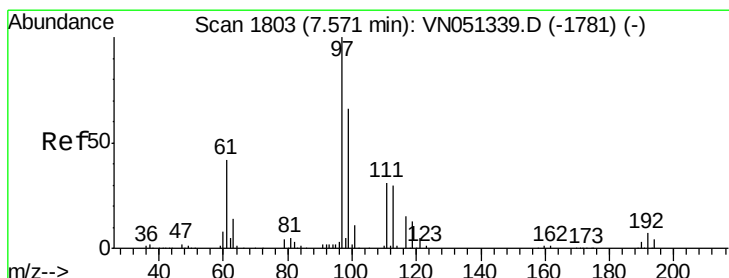
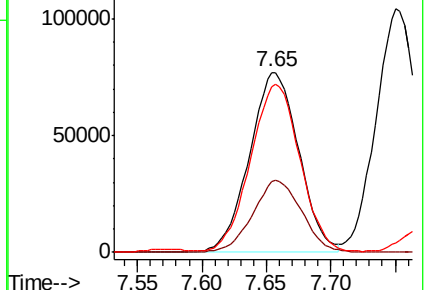
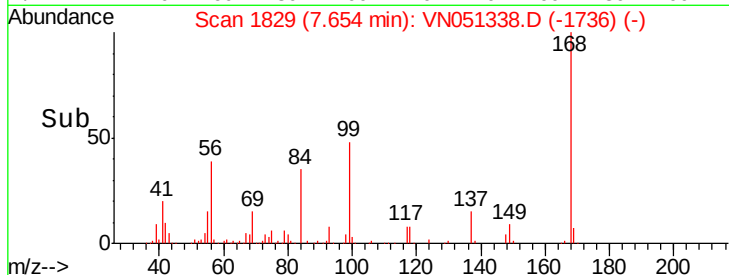
84 90.9 72.2 108.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.52 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

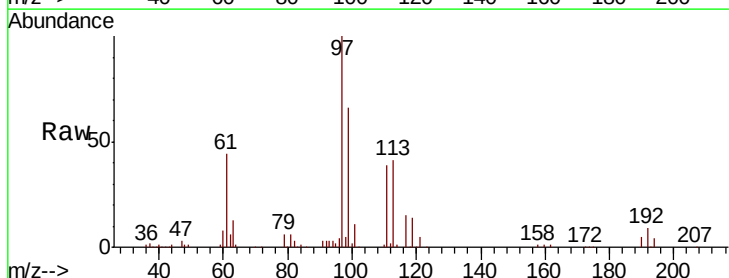
Tgt Ion: 97 Resp: 214475

Ion Ratio Lower Upper

97 100

99 63.9 51.1 76.7

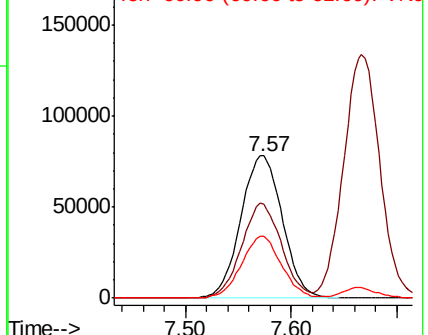
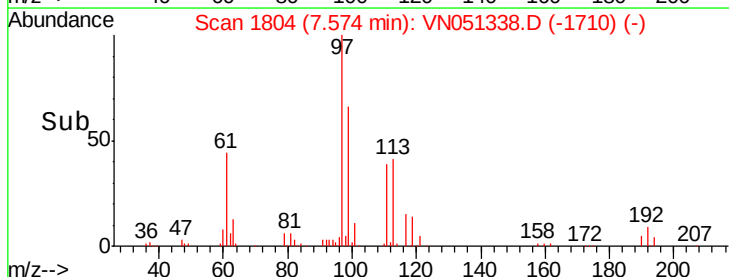
61 41.9 33.2 49.8

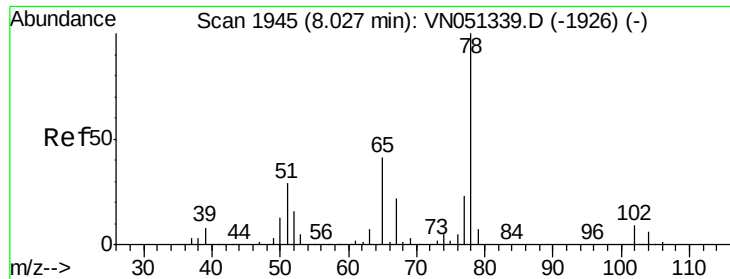


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

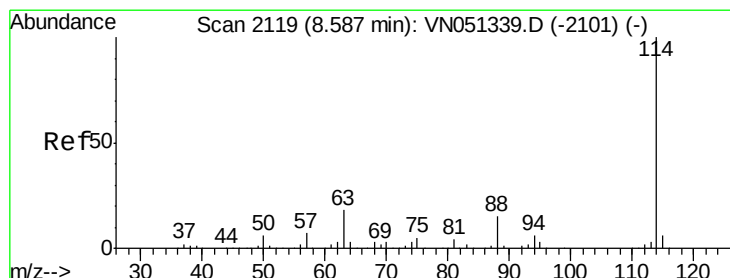
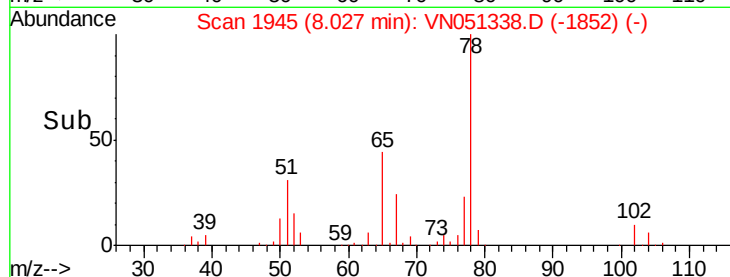
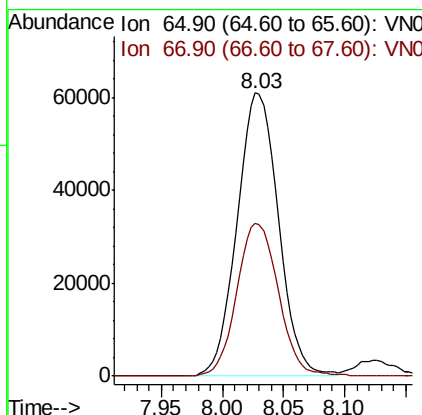
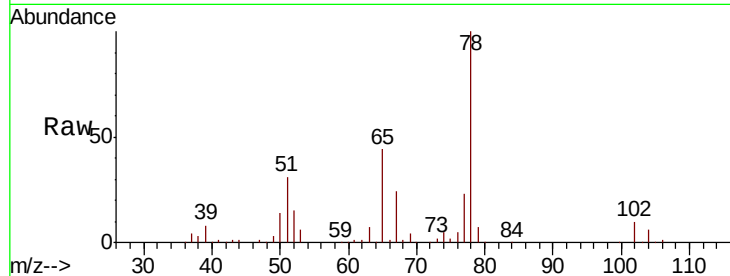




#33
 1,2-Dichloroethane-d4
 Concen: 19.35 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

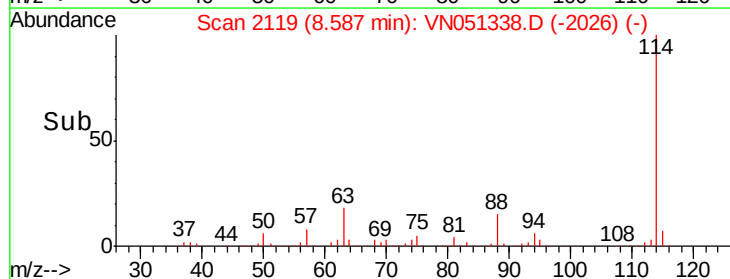
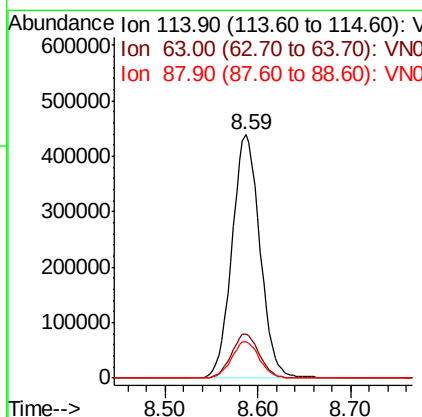
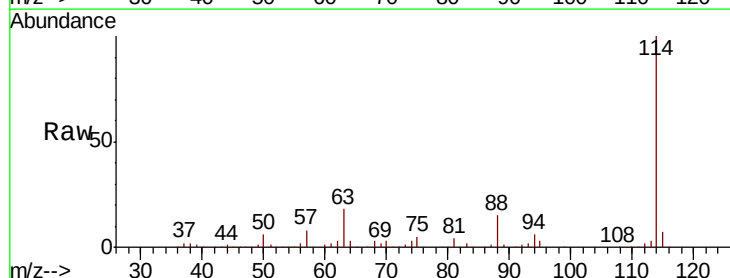
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

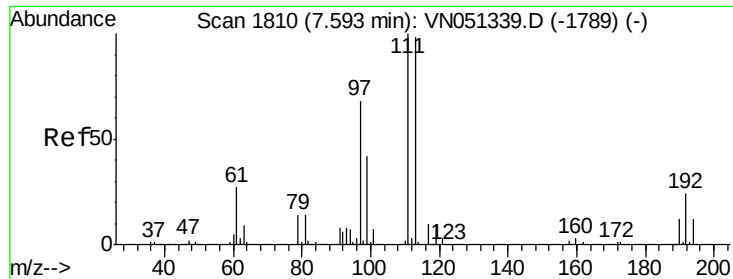
Tot Ion: 65 Resp: 143358
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion: 114 Resp: 917285
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 36.6
 88 15.1 0.0 29.8

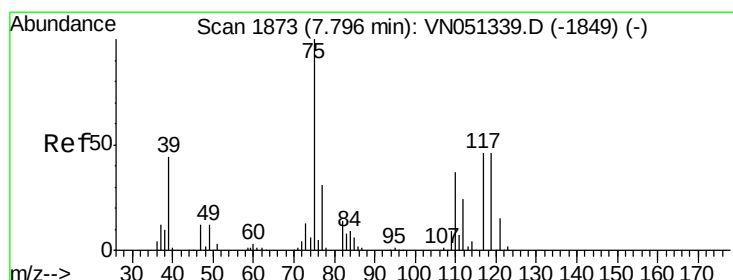
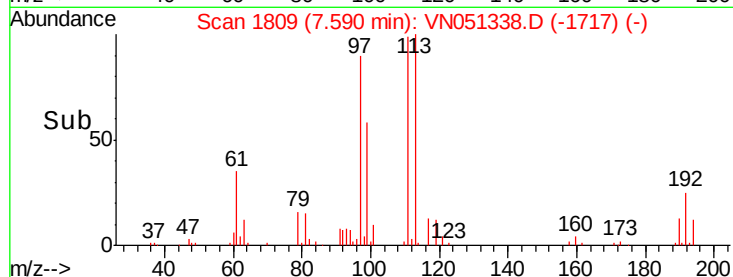
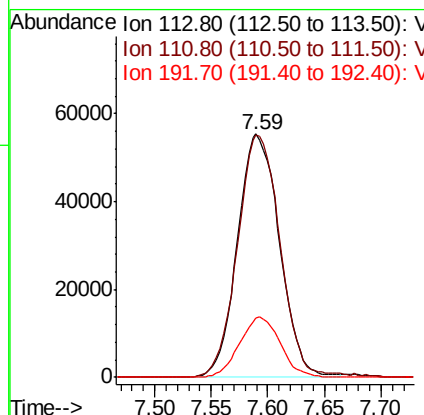
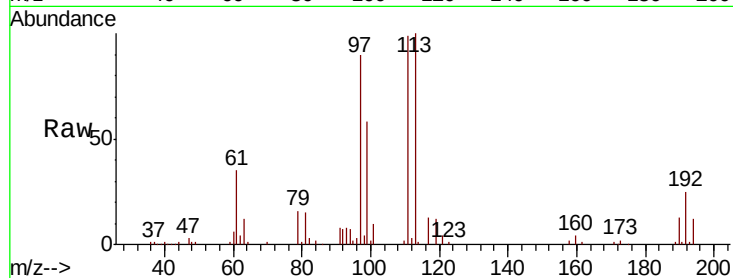




#35
 Dibromofluoromethane
 Concen: 19.34 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

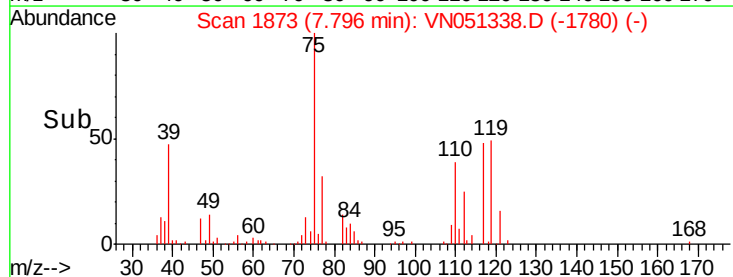
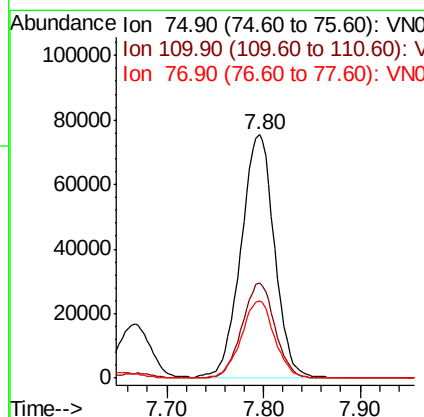
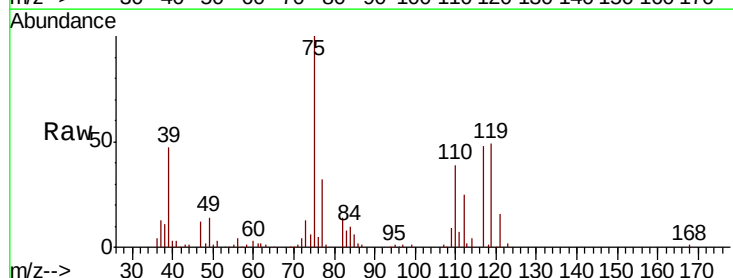
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

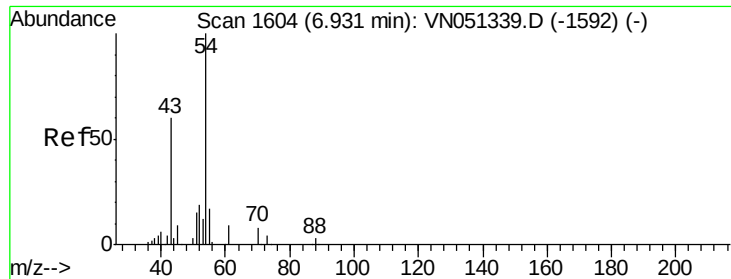
Tot Ion:113 Resp: 143334
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.9 122.9
 192 24.0 19.8 29.6



#36
 1,1-Dichloropropene
 Concen: 19.22 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion: 75 Resp: 180372
 Ion Ratio Lower Upper
 75 100
 110 38.5 18.9 56.5
 77 32.0 25.4 38.2

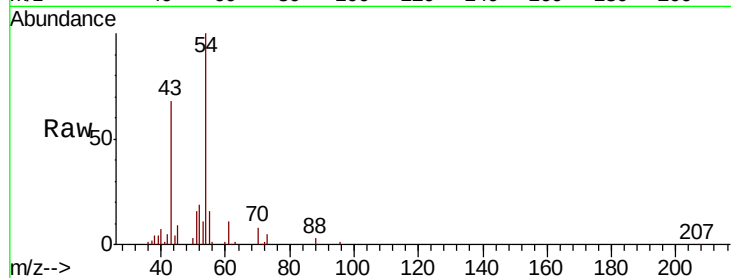




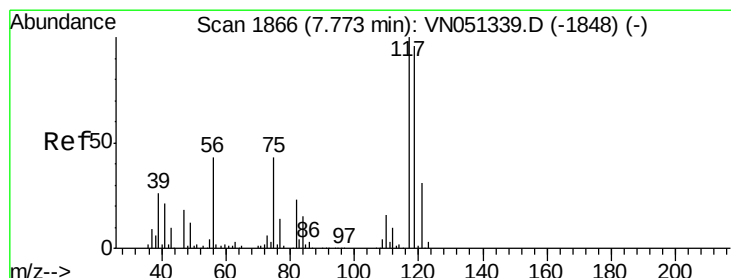
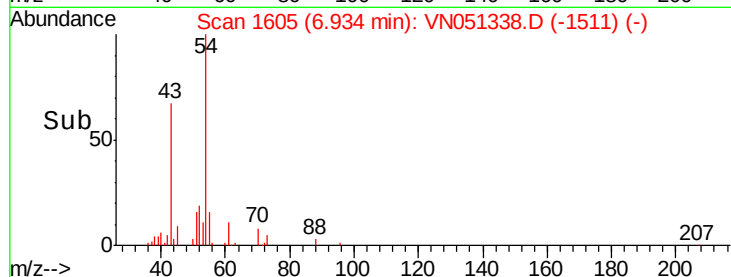
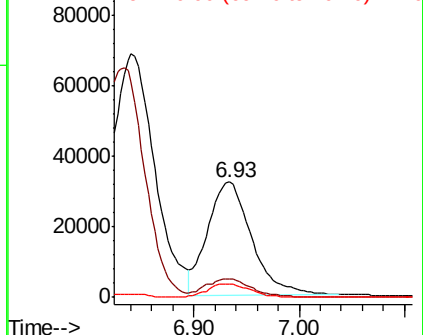
#37
Ethyl Acetate
Concen: 20.10 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 93377
Ion Ratio Lower Upper
43 100
61 16.0 13.6 20.4
70 11.6 9.4 14.2

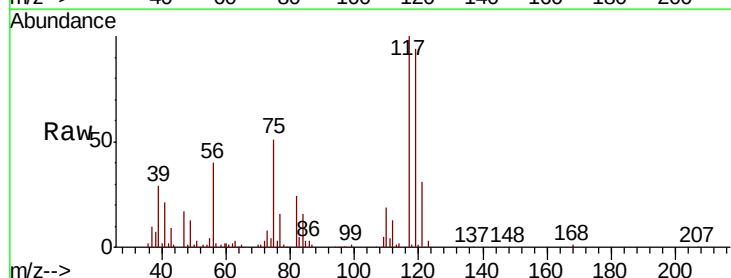


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

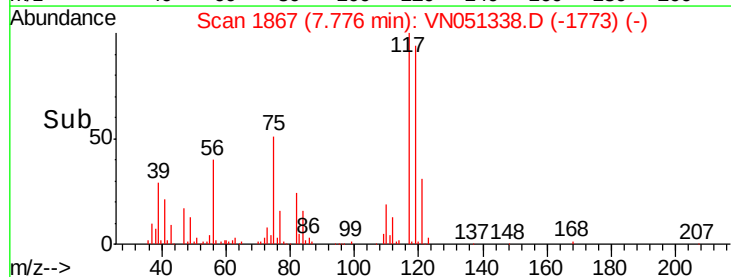
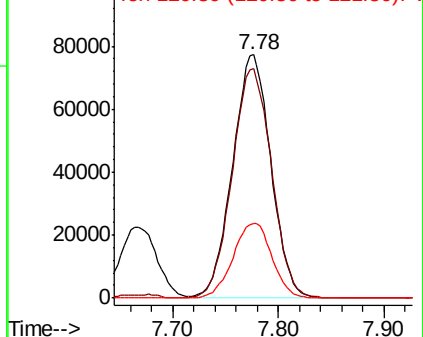


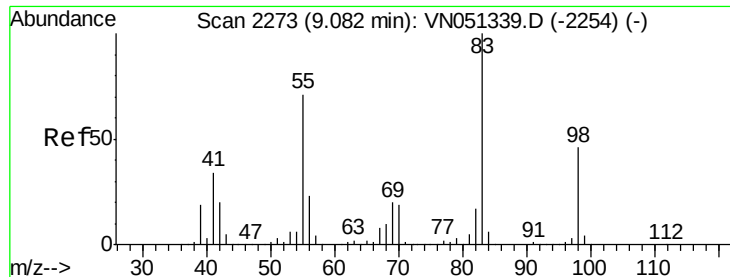
#38
Carbon Tetrachloride
Concen: 19.24 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 117 Resp: 195304
Ion Ratio Lower Upper
117 100
119 94.0 77.0 115.4
121 30.9 25.0 37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

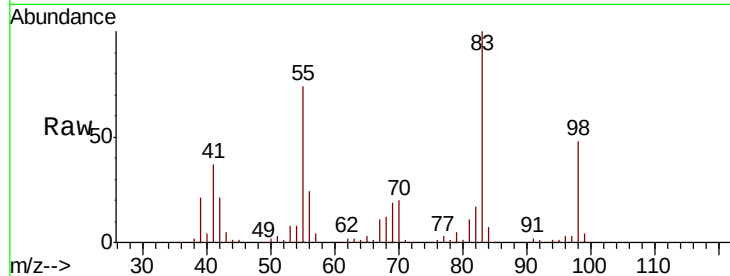




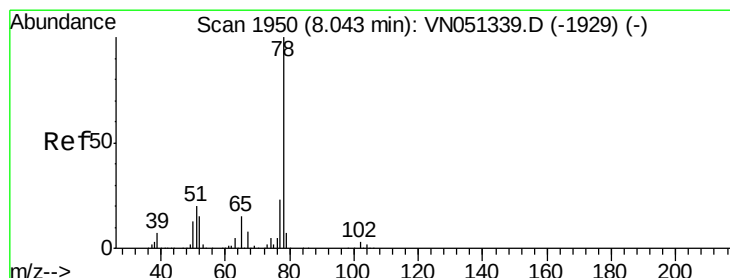
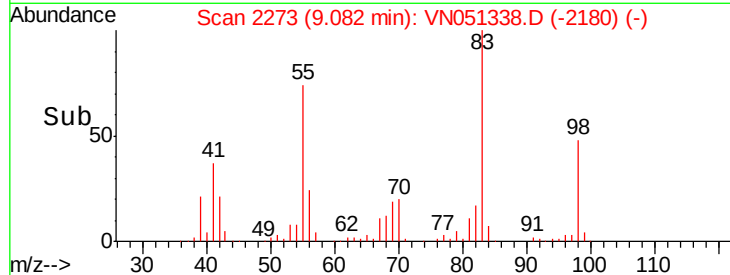
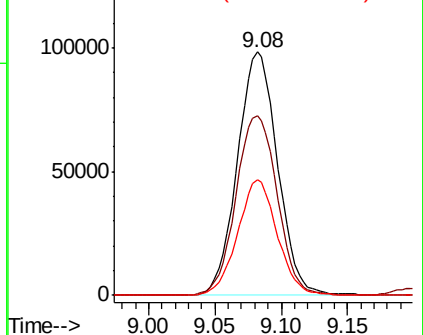
#39
Methylvlcyclohexane
Concen: 18.94 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 83 Resp: 207358
Ion Ratio Lower Upper
83 100
55 73.7 56.5 84.7
98 47.7 36.7 55.1

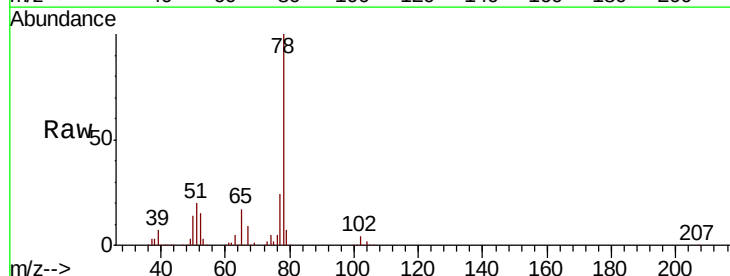


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

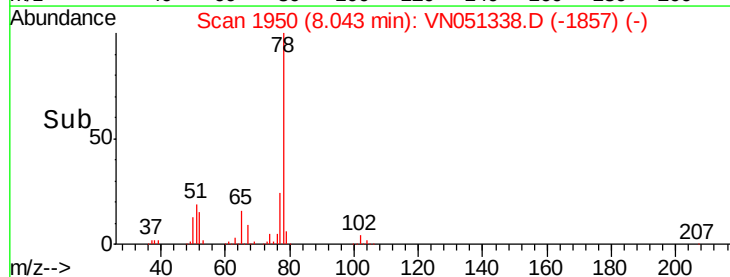
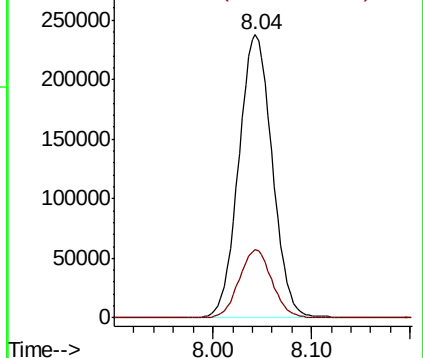


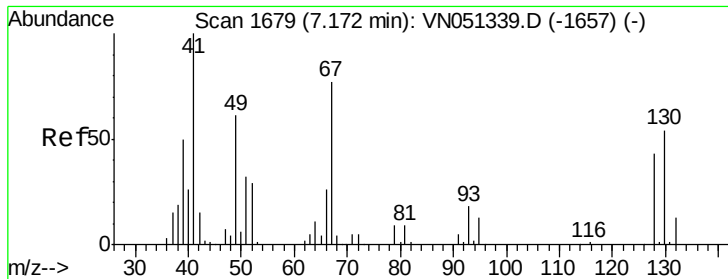
#40
Benzene
Concen: 19.78 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 78 Resp: 559183
Ion Ratio Lower Upper
78 100
77 24.1 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 20.19 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 48863

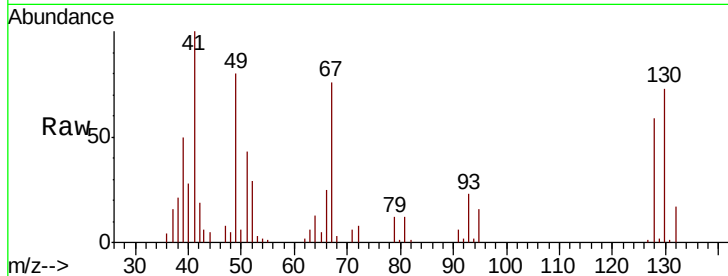
Ion Ratio Lower Upper

41 100

39 36.3 51.3 76.9#

67 93.4 77.0 115.4

52 37.6 30.4 45.6



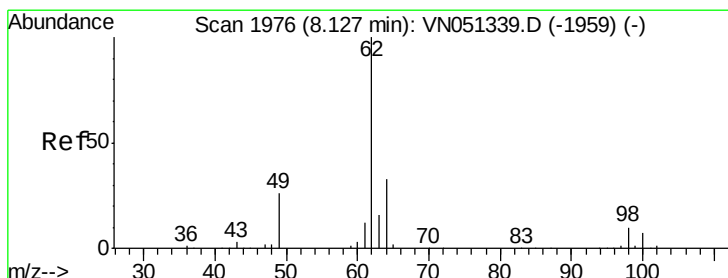
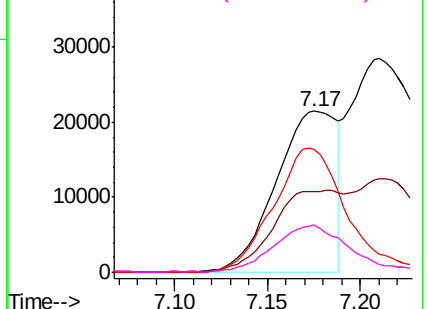
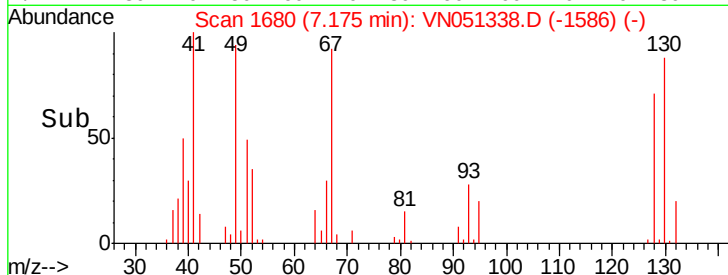
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.59 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN051338.D

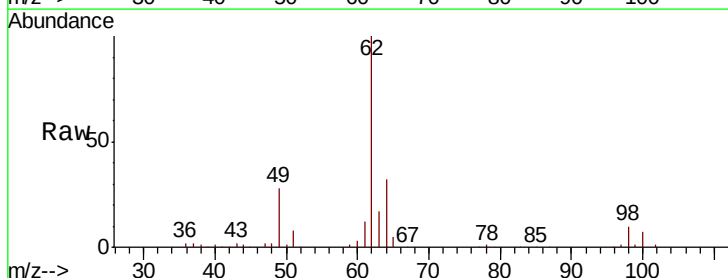
Acq: 20 Sep 2018 14:17

Tgt Ion: 62 Resp: 167340

Ion Ratio Lower Upper

62 100

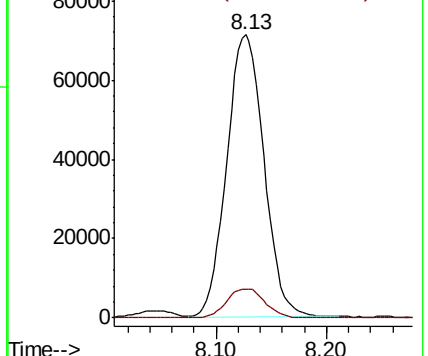
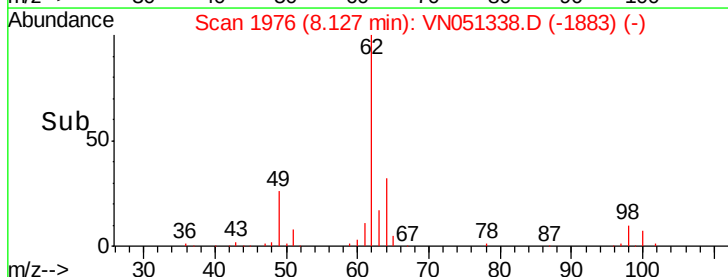
98 10.4 0.0 20.6

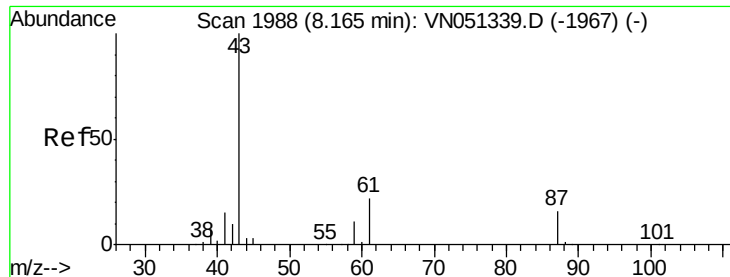


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.57 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

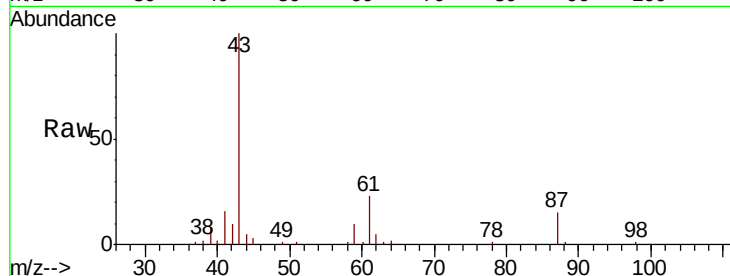
Tot Ion: 43 Resp: 167326

Ion Ratio Lower Upper

43 100

61 21.0 18.1 27.1

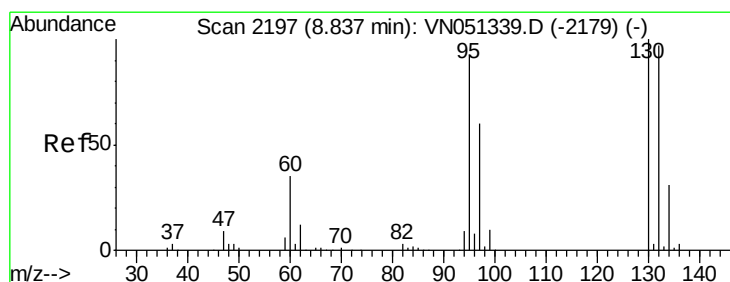
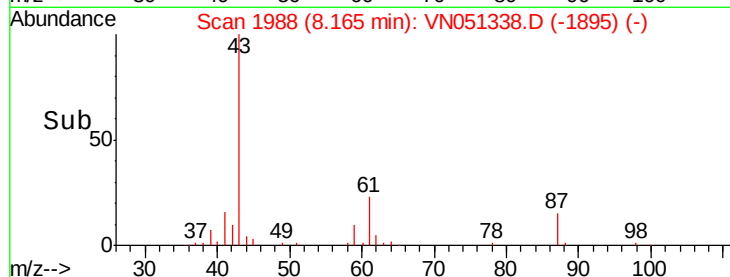
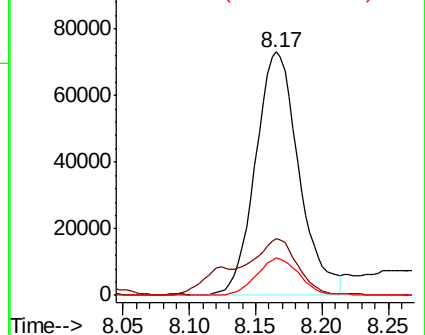
87 15.1 12.8 19.2



Abundance Ion 43.00 (42.70 to 43.70): VN051338.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051338.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051338.D (-1967) (-)



#44

Trichloroethene

Concen: 19.17 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051338.D

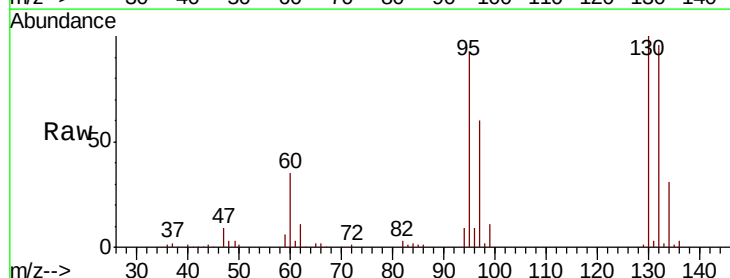
Acq: 20 Sep 2018 14:17

Tgt Ion:130 Resp: 155580

Ion Ratio Lower Upper

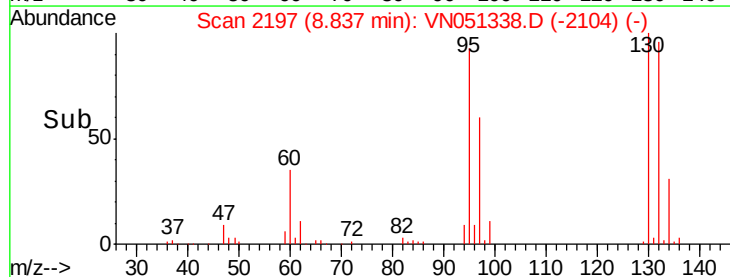
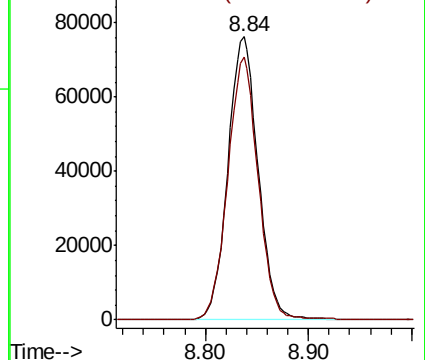
130 100

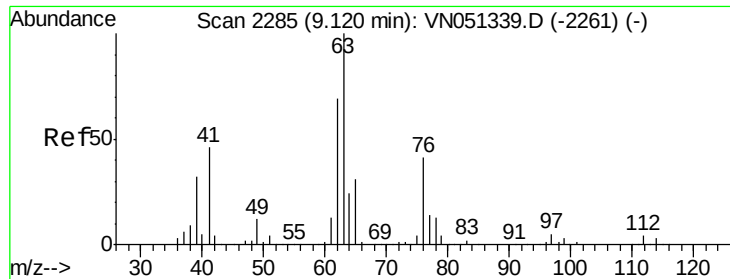
95 92.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): VN051338.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN051338.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 19.72 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

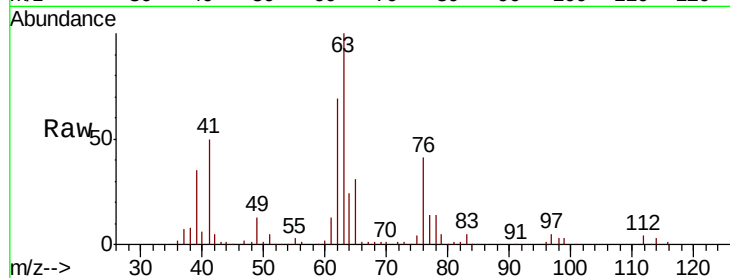
VSTDIC020

Tot Ion: 63 Resp: 142697

Ion Ratio Lower Upper

63 100

65 31.2 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN051338.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN051338.D (-2261) (-)

9.12

60000

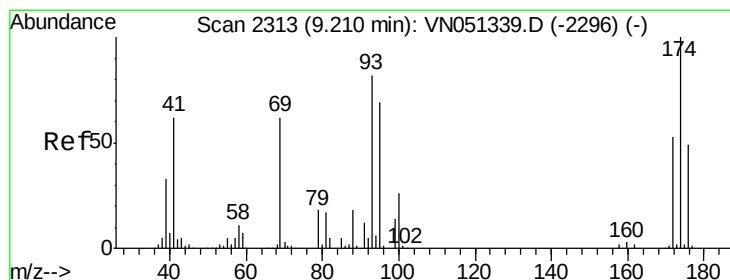
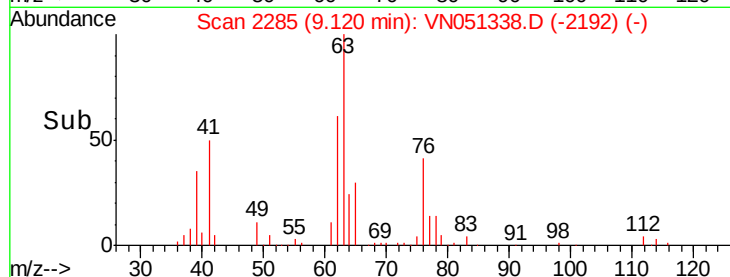
40000

20000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 19.90 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

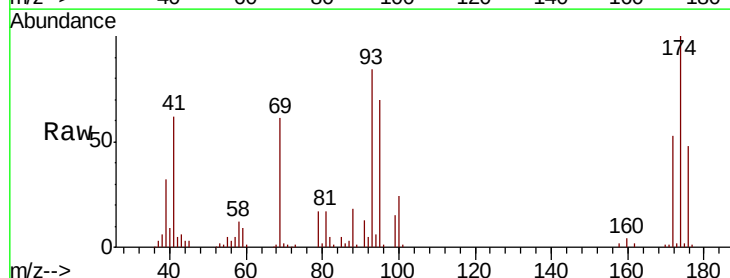
Tgt Ion: 93 Resp: 88729

Ion Ratio Lower Upper

93 100

95 83.8 67.6 101.4

174 121.9 98.9 148.3



Abundance Ion 92.80 (92.50 to 93.50): VN051338.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN051338.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN051338.D (-2296) (-)

60000

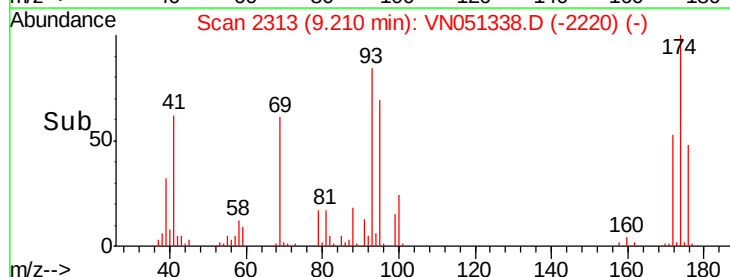
40000

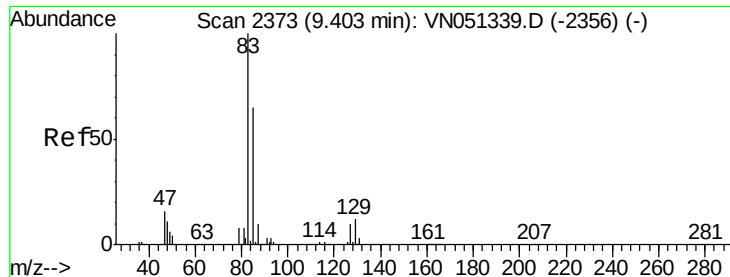
20000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 19.66 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

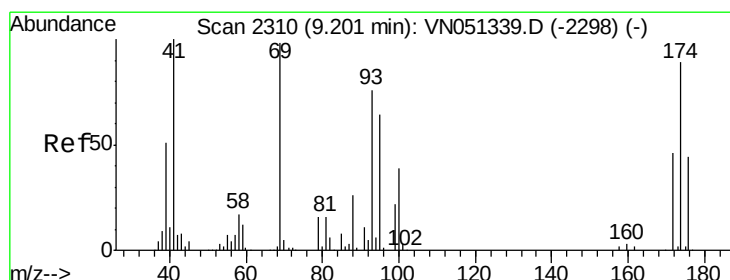
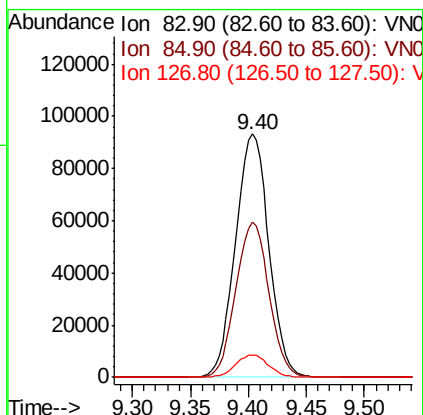
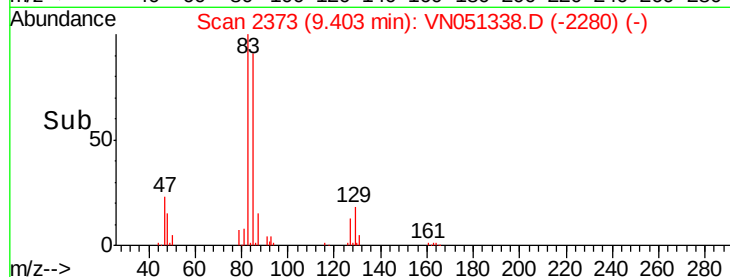
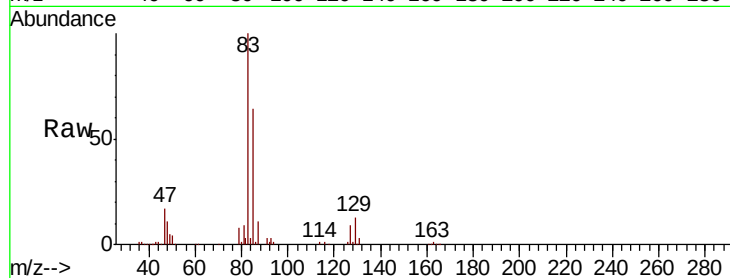
Tot Ion: 83 Resp: 186983

Ion Ratio Lower Upper

83 100

85 63.6 51.6 77.4

127 9.3 7.8 11.6



#48

Methyl methacrylate

Concen: 18.50 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

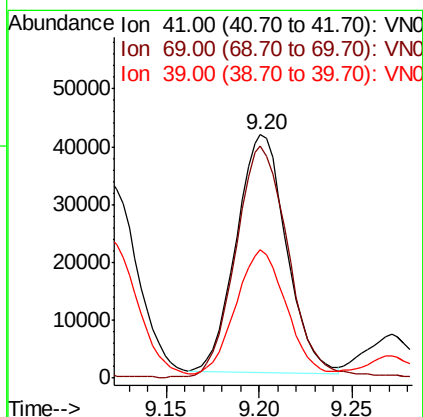
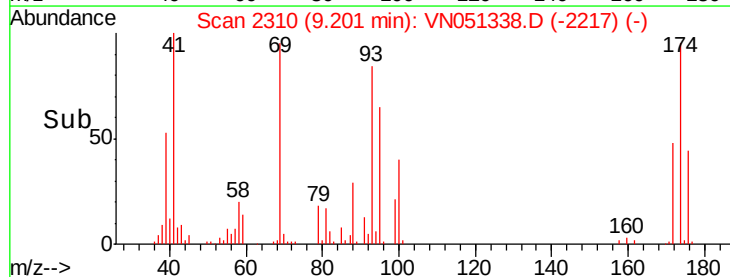
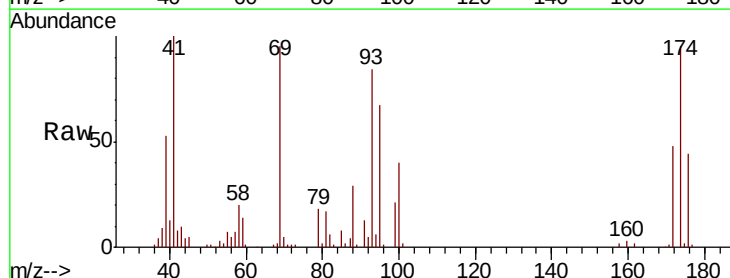
Tgt Ion: 41 Resp: 76717

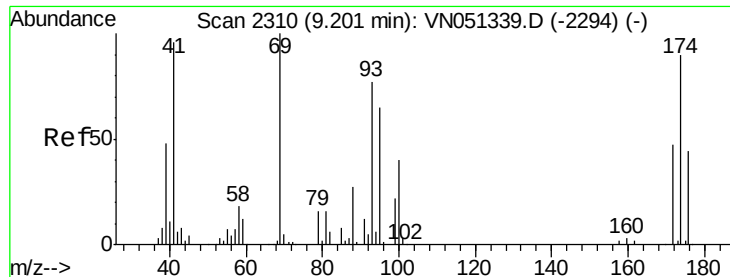
Ion Ratio Lower Upper

41 100

69 104.1 79.4 119.0

39 55.3 43.0 64.6





#49

1,4-Dioxane

Concen: 409.58 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

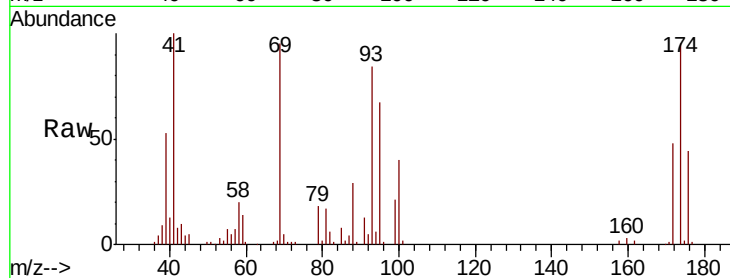
Tot Ion: 88 Resp: 25120

Ion Ratio Lower Upper

88 100

43 31.3 23.5 35.3

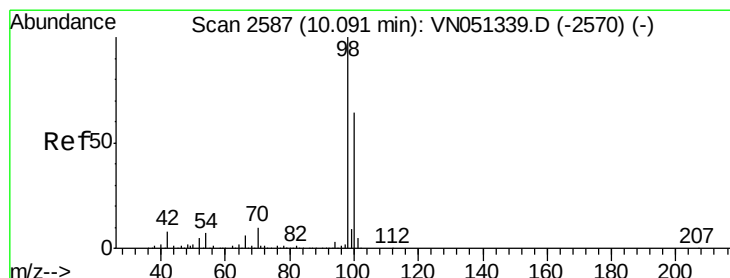
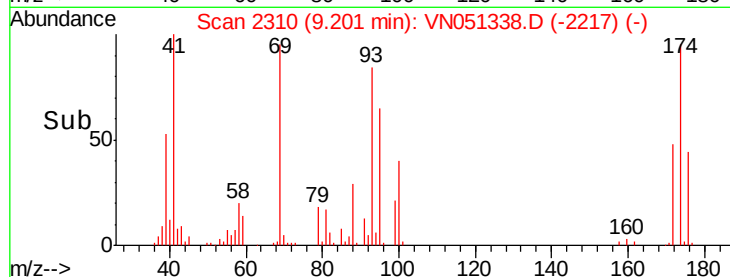
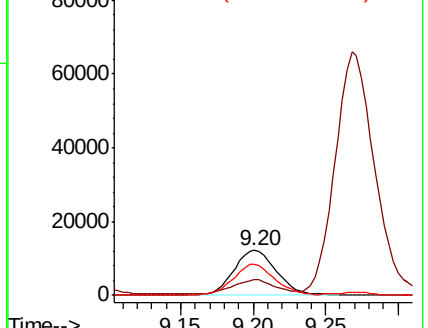
58 66.7 52.1 78.1



Abundance Ion 88.00 (87.70 to 88.70): VN051338.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN051338.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN051338.D (-2294) (-)



#50

Toluene-d8

Concen: 19.00 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051338.D

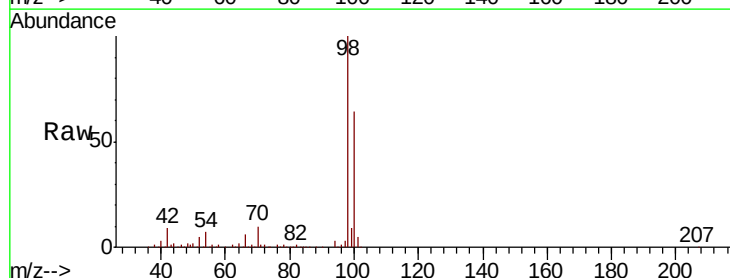
Acq: 20 Sep 2018 14:17

Tgt Ion: 98 Resp: 541492

Ion Ratio Lower Upper

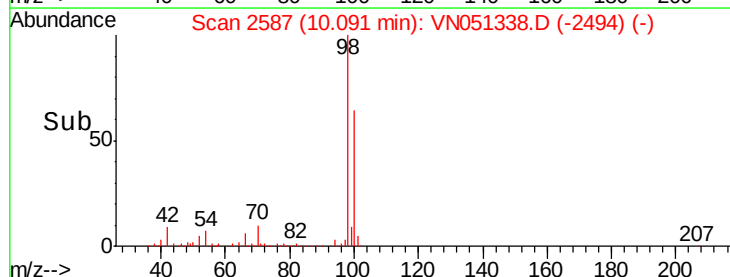
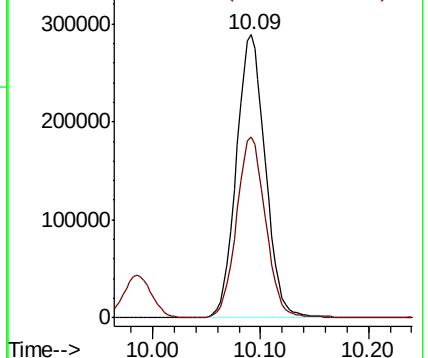
98 100

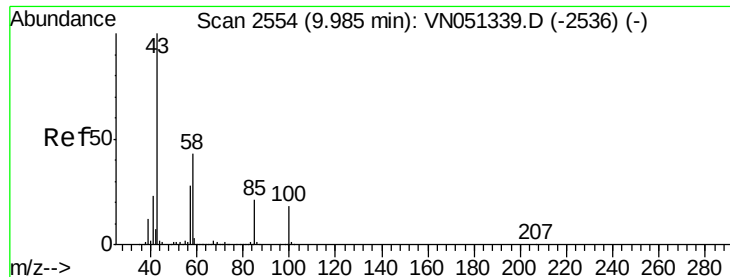
100 63.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN051338.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051338.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 103.14 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

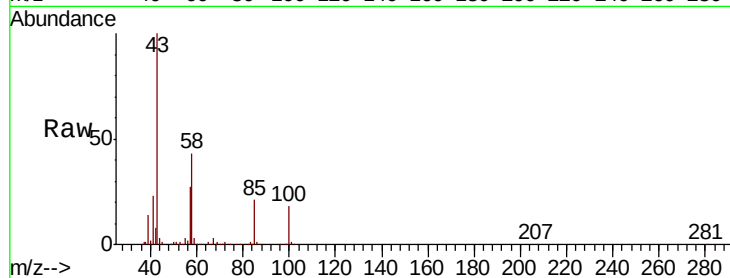
VSTDIC020

Tot Ion: 43 Resp: 451322

Ion Ratio Lower Upper

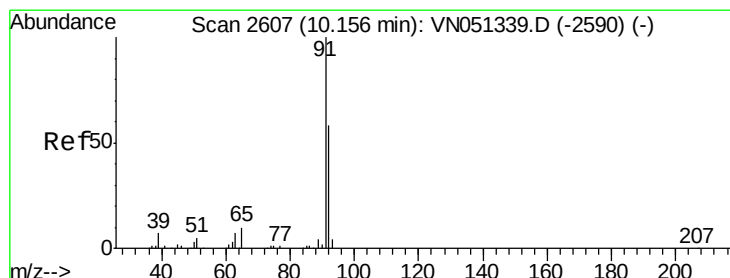
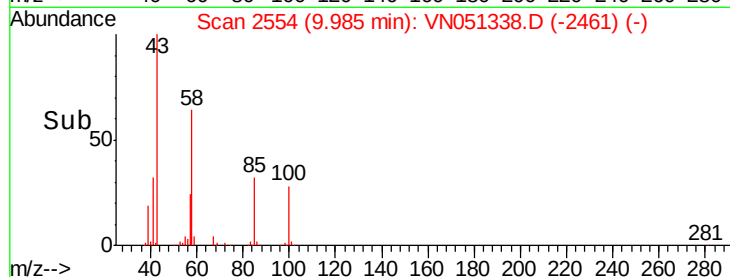
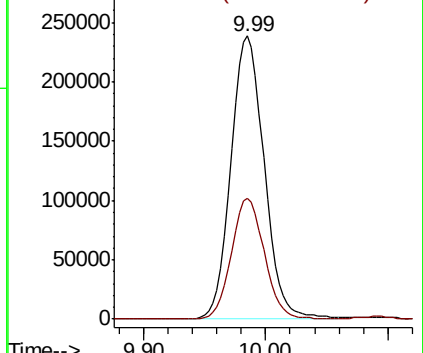
43 100

58 42.5 34.2 51.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.32 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051338.D

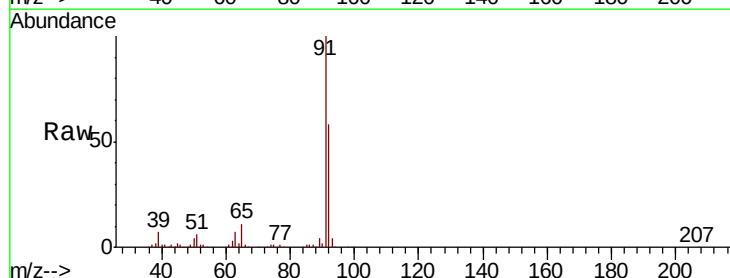
Acq: 20 Sep 2018 14:17

Tgt Ion: 92 Resp: 353804

Ion Ratio Lower Upper

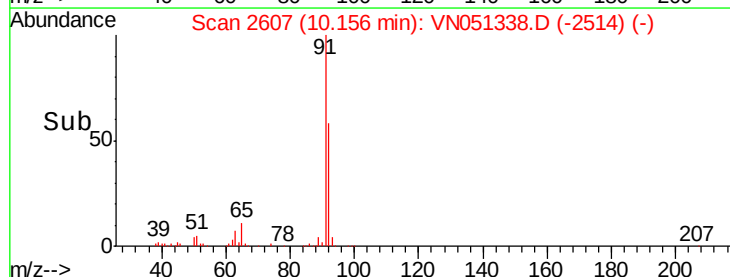
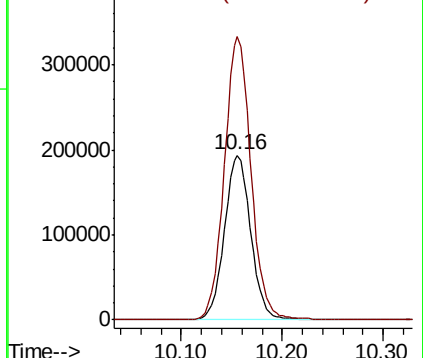
92 100

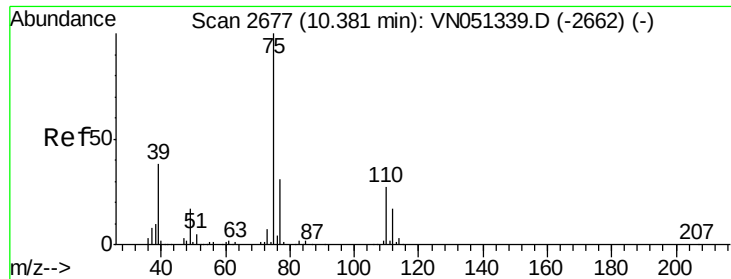
91 174.0 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.23 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampled :

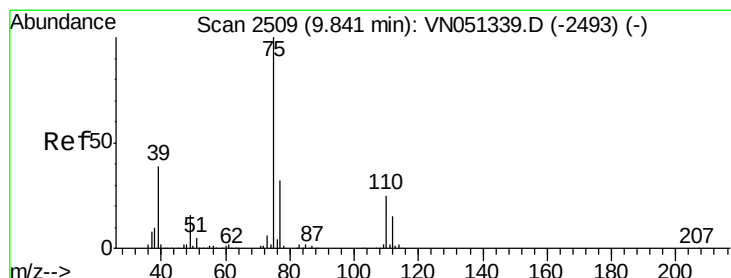
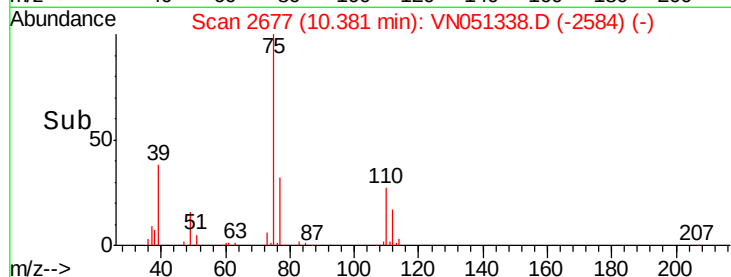
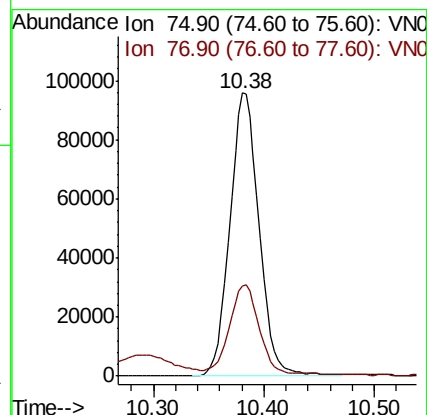
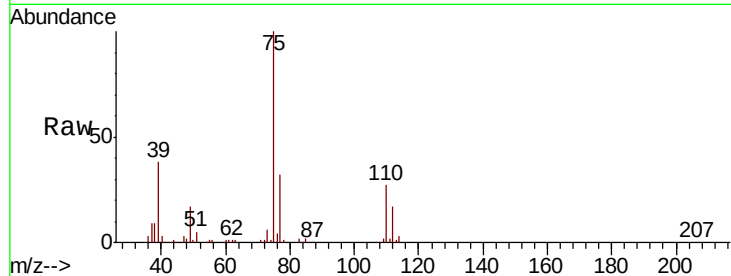
VSTDIC020

Tot Ion: 75 Resp: 175669

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.92 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

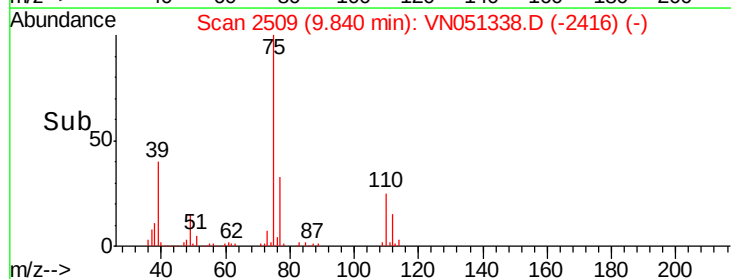
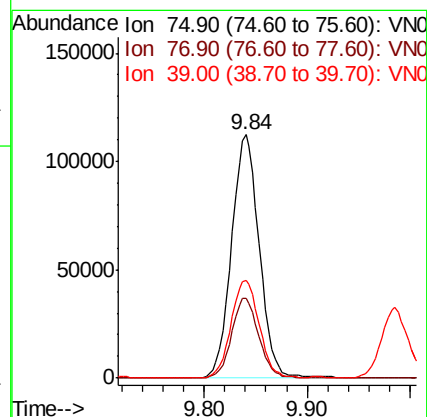
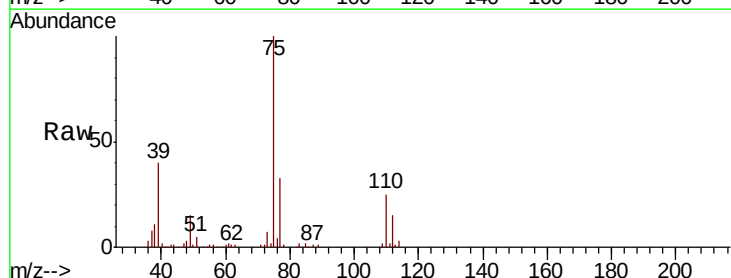
Tgt Ion: 75 Resp: 210633

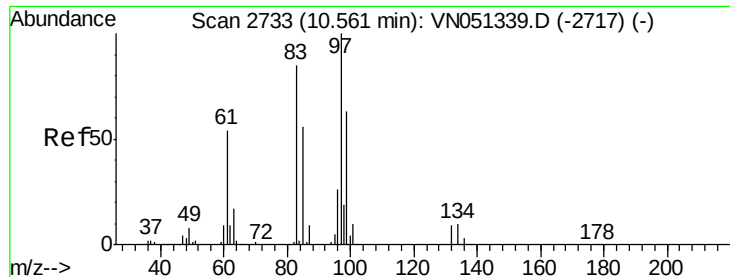
Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8

39 40.2 31.0 46.4

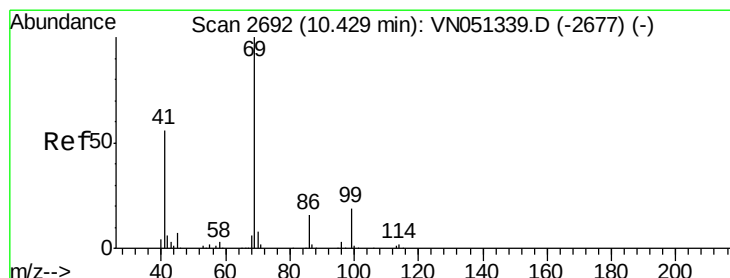
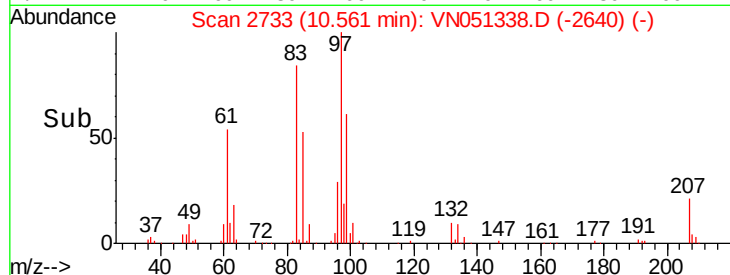
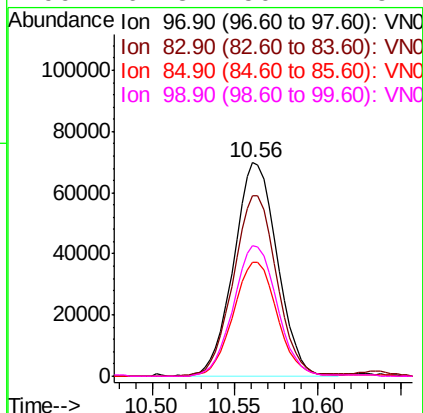
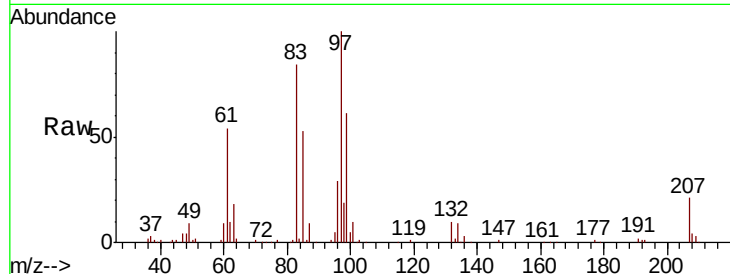




#55
 1,1,2-Trichloroethane
 Concen: 19.51 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

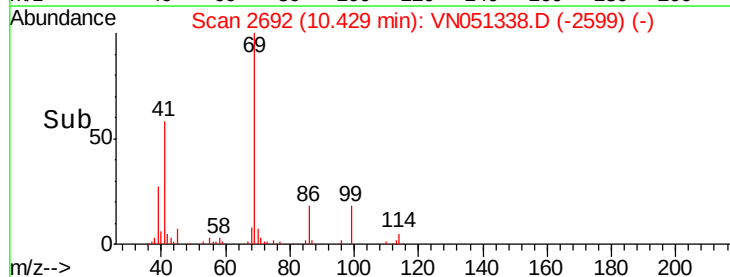
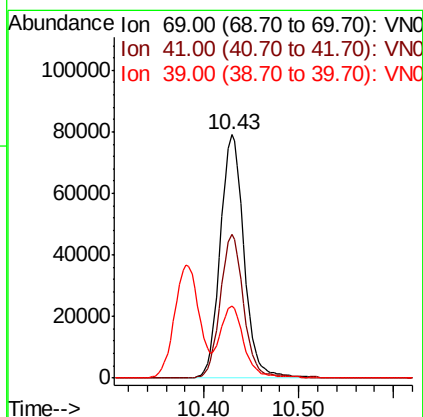
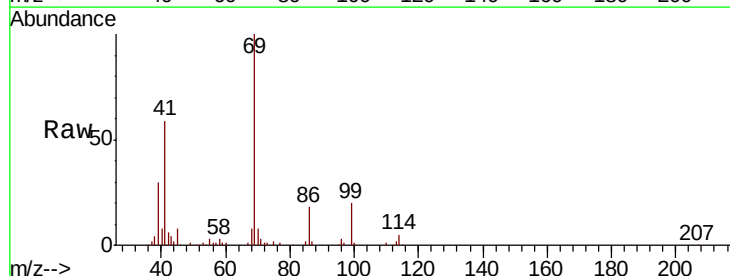
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

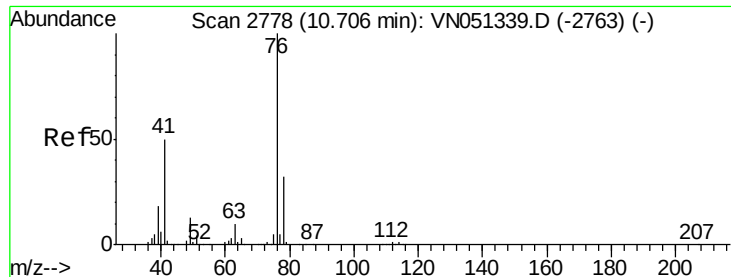
Tot Ion:	97	Resp:	127416
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.1	102.1
85	53.1	44.6	66.8
99	61.3	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 20.03 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion:	69	Resp:	138109
Ion	Ratio	Lower	Upper
69	100		
41	57.0	45.1	67.7
39	30.4	23.4	35.2





#57

1,3-Dichloropropane

Concen: 19.77 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampled :

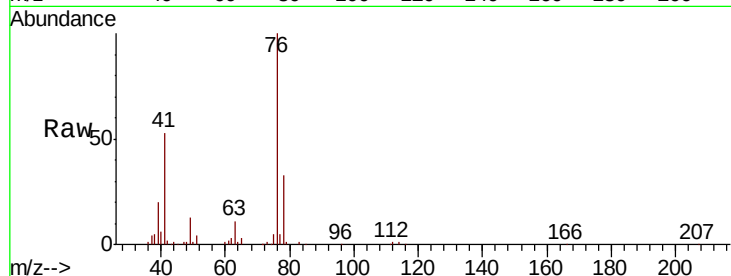
VSTDIC020

Tot Ion: 76 Resp: 203373

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

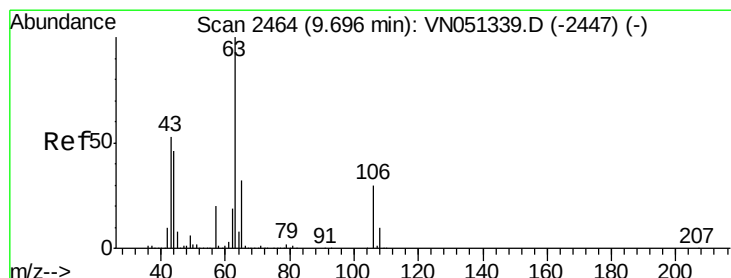
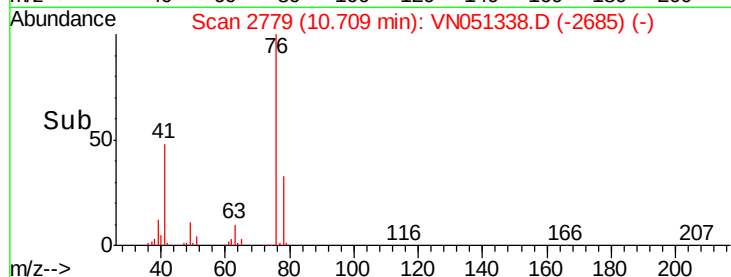
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 104.12 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051338.D

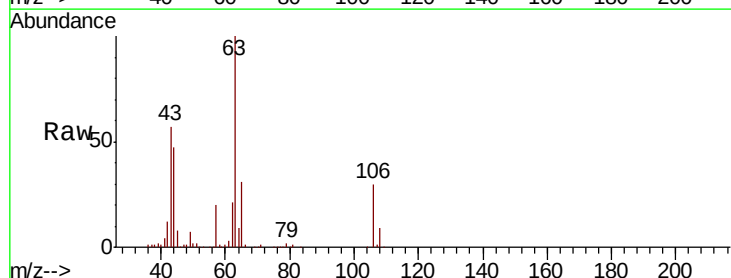
Acq: 20 Sep 2018 14:17

Tgt Ion: 63 Resp: 353089

Ion Ratio Lower Upper

63 100

106 30.4 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

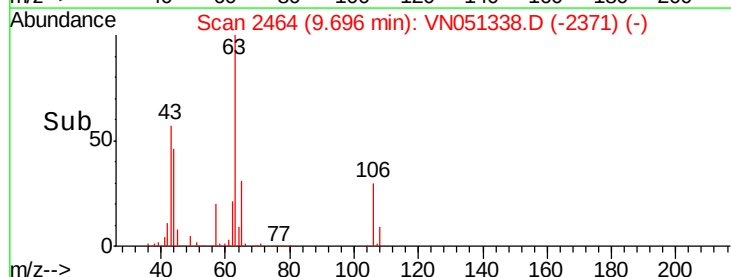
150000

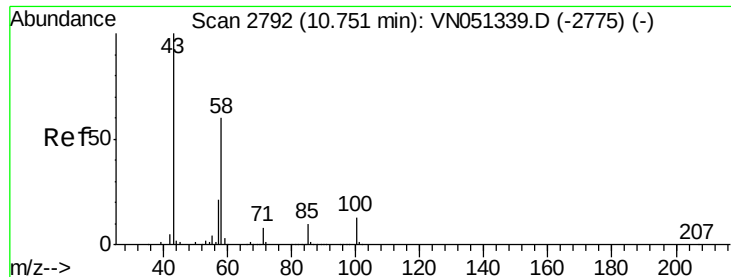
100000

50000

0

Time--> 9.60 9.70 9.80

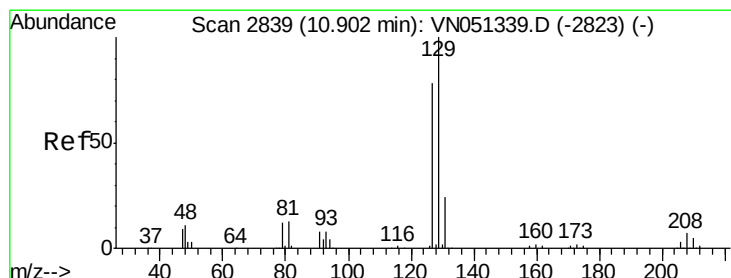
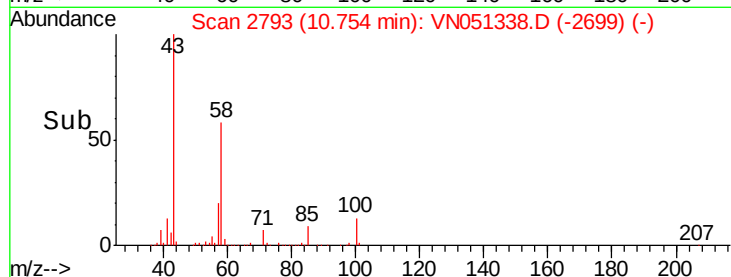
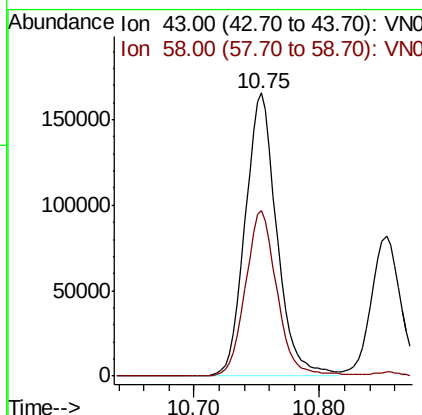
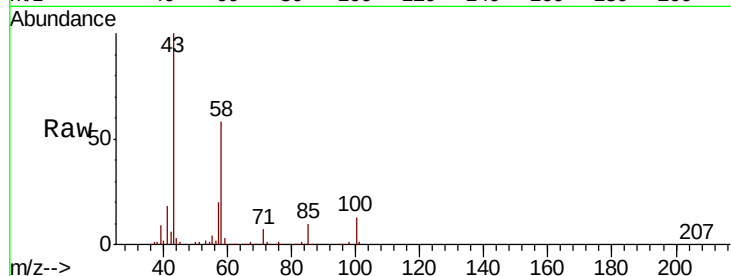




#59
2-Hexanone
Concen: 98.31 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

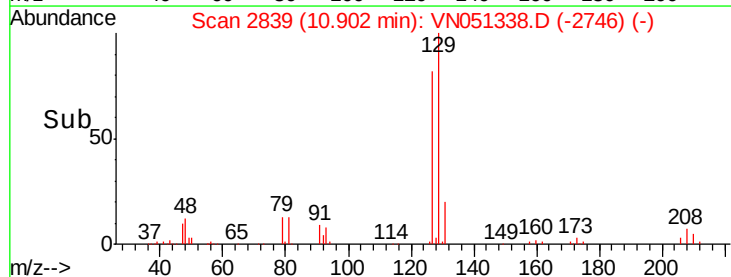
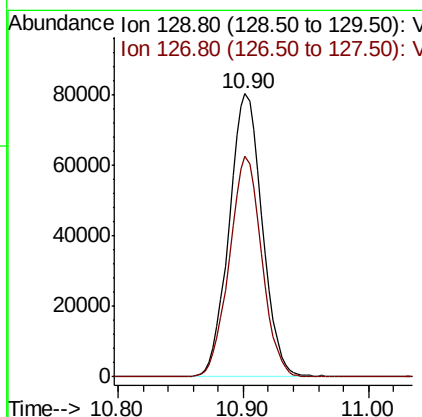
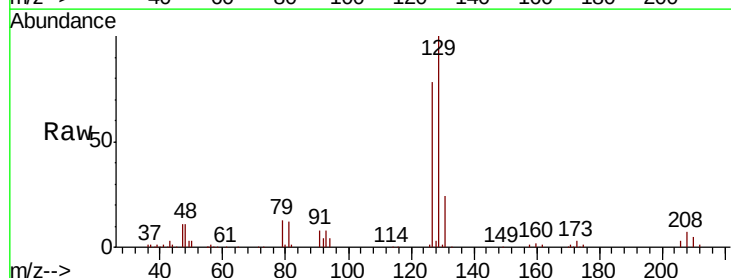
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

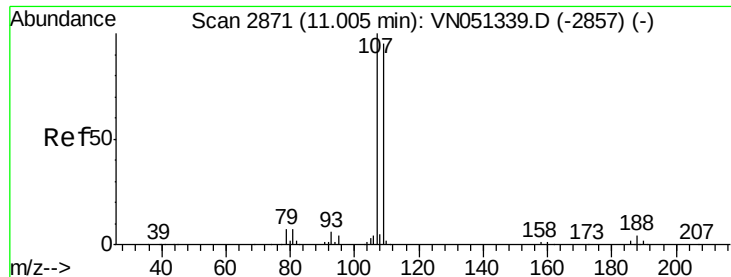
Tot Ion: 43 Resp: 290023
Ion Ratio Lower Upper
43 100
58 58.6 29.9 89.8



#60
Dibromochloromethane
Concen: 19.32 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 129 Resp: 147121
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8

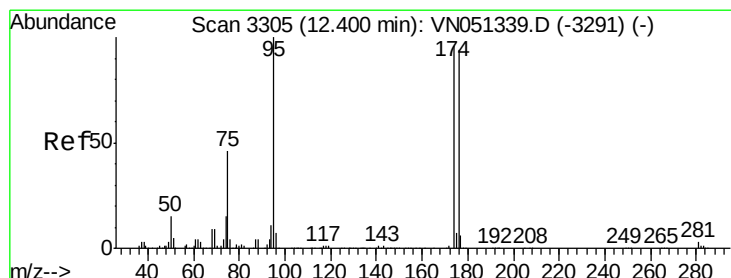
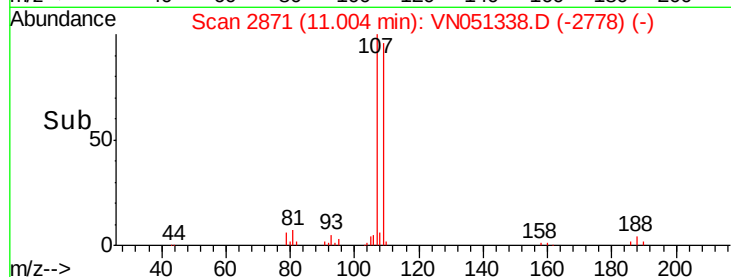
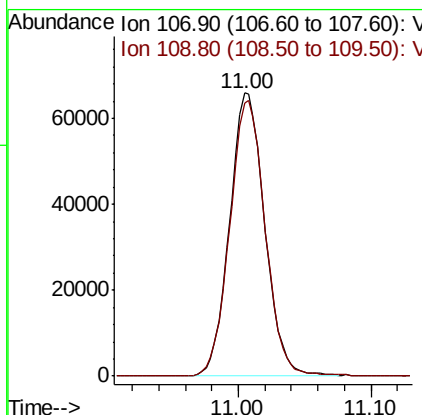
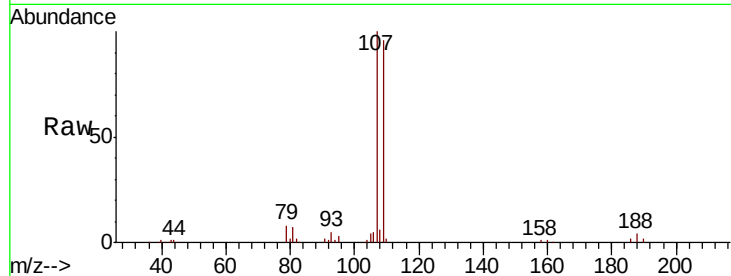




#61
 1,2-Dibromoethane
 Concen: 19.31 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

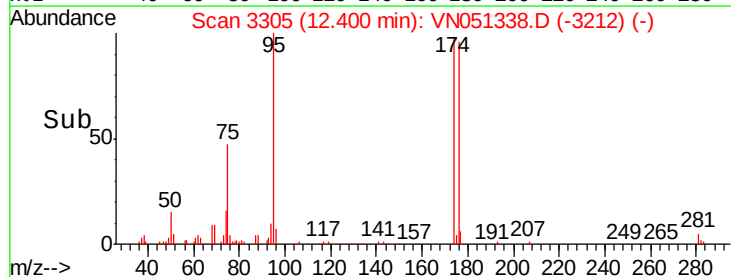
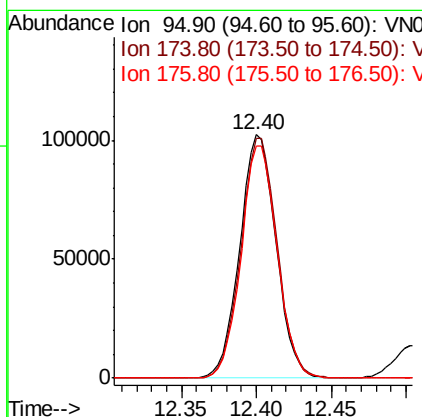
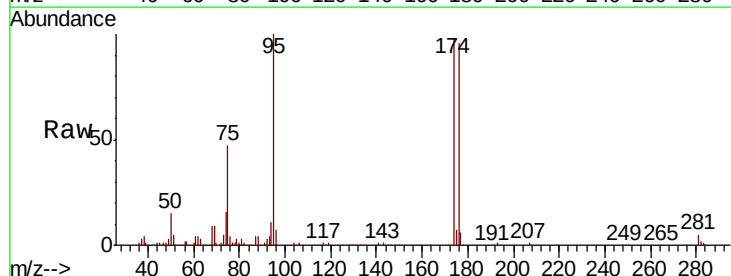
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

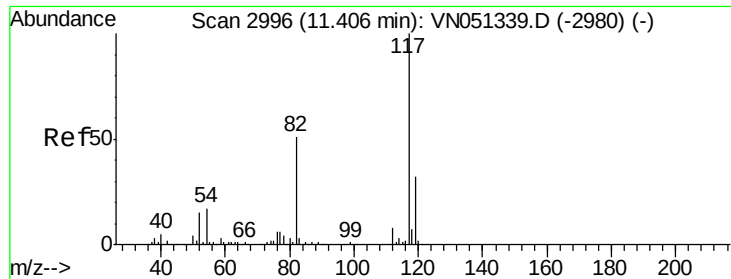
Tot Ion:107 Resp: 121249
 Ion Ratio Lower Upper
 107 100
 109 98.3 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 18.60 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion: 95 Resp: 172405
 Ion Ratio Lower Upper
 95 100
 174 98.8 0.0 194.6
 176 95.2 0.0 189.6

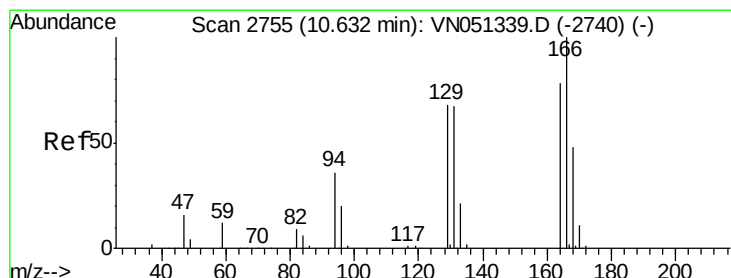
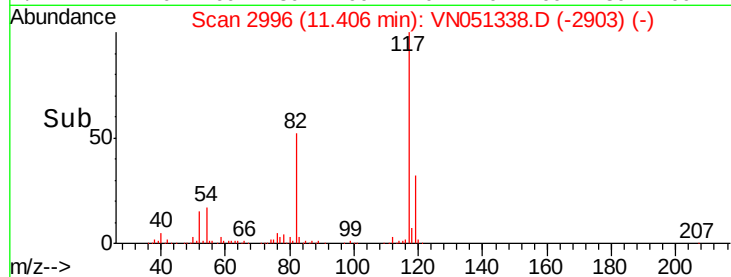
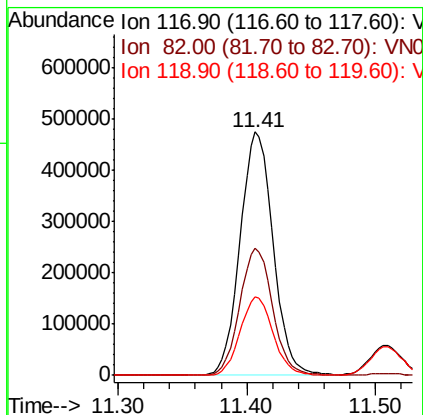
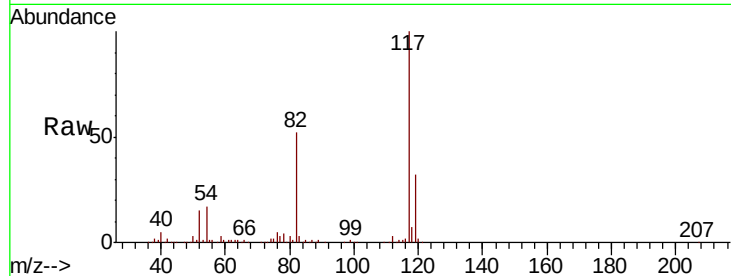




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

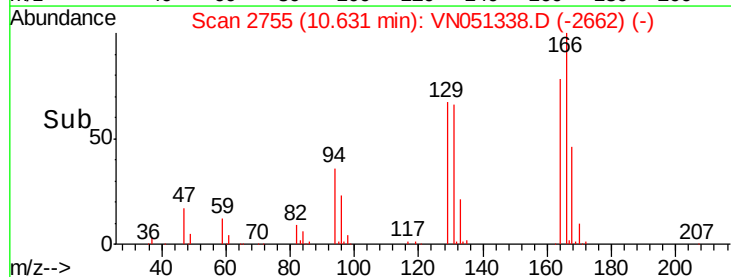
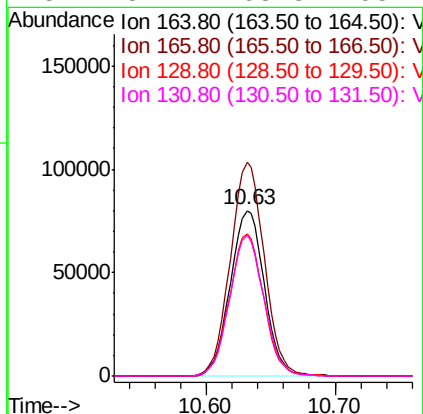
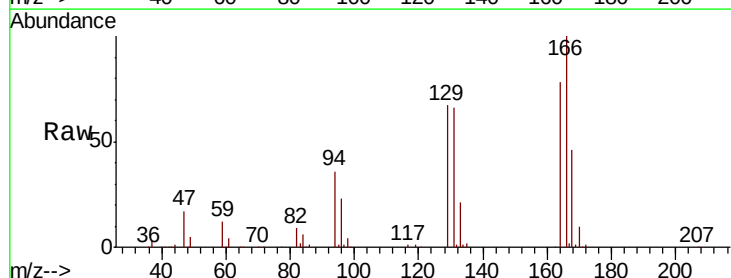
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

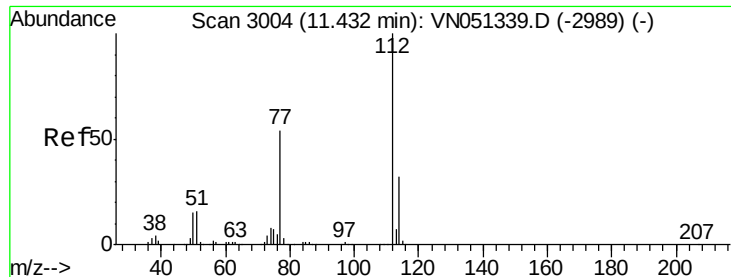
Tot Ion:117 Resp: 846707
Ion Ratio Lower Upper
117 100
82 52.0 40.7 61.1
119 32.1 25.3 37.9



#64
Tetrachloroethene
Concen: 19.94 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion:164 Resp: 147210
Ion Ratio Lower Upper
164 100
166 128.8 102.1 153.1
129 86.1 69.4 104.2
131 84.7 68.8 103.2

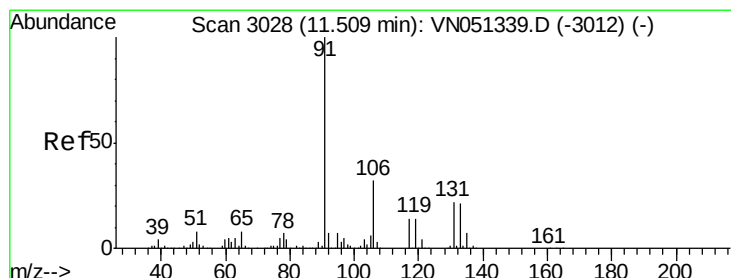
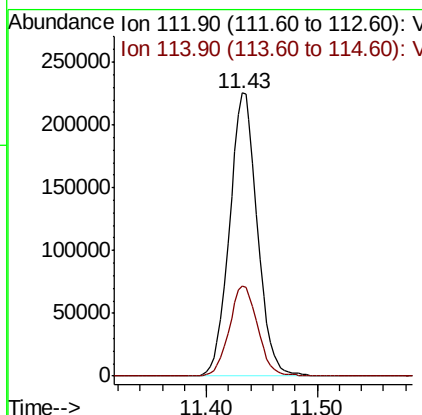
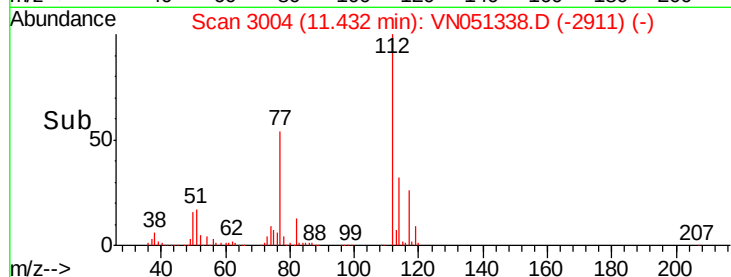
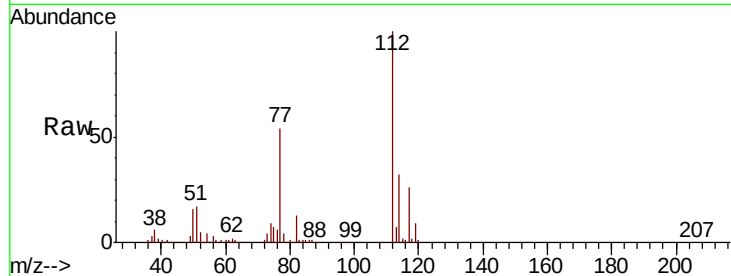




#65
Chlorobenzene
Concen: 19.47 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

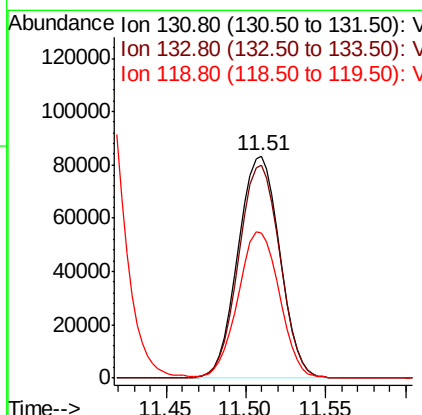
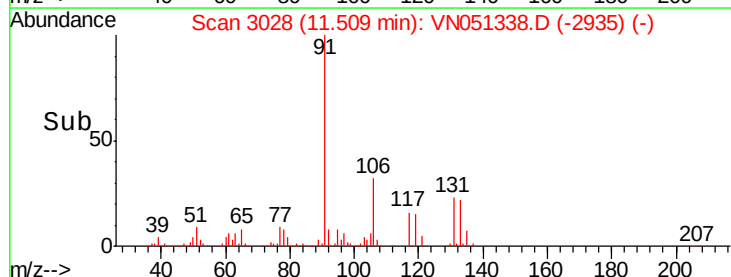
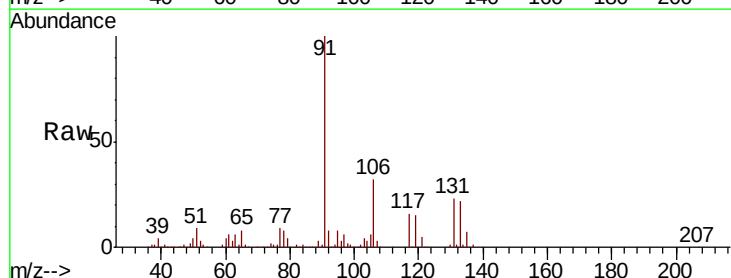
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

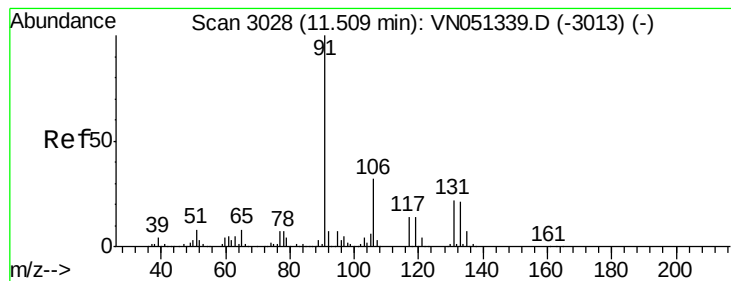
Tot Ion:112 Resp: 393901
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 19.28 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion:131 Resp: 148436
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.2
119 65.8 32.6 97.7





#67

Ethyl Benzene

Concen: 19.65 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

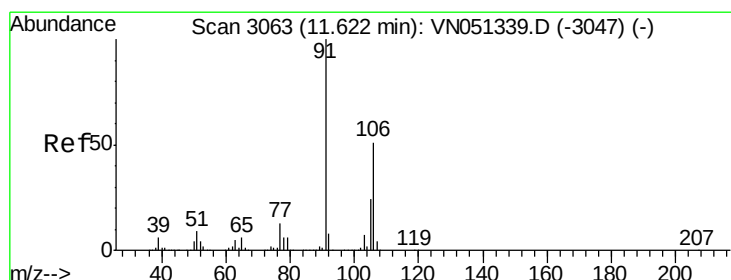
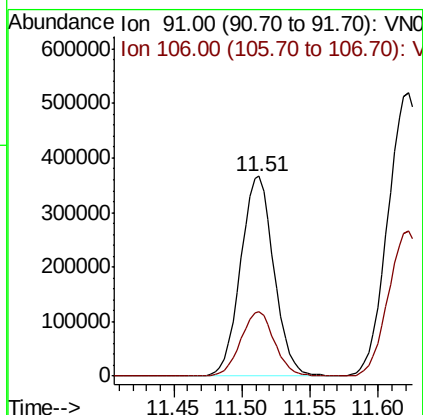
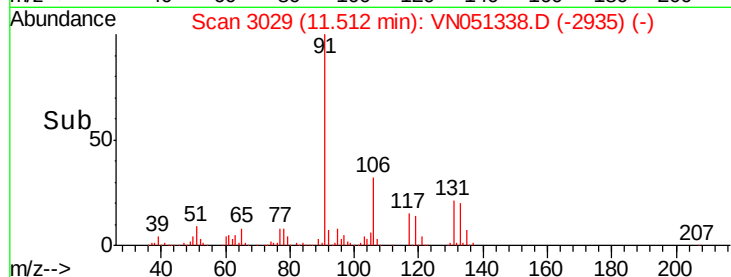
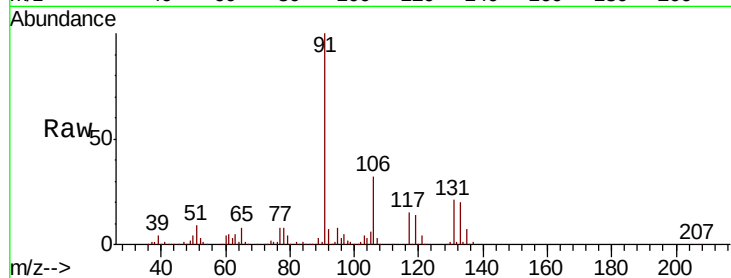
VSTDIC020

Tot Ion: 91 Resp: 621729

Ion Ratio Lower Upper

91 100

106 32.4 25.8 38.8



#68

m/p-Xylenes

Concen: 40.53 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051338.D

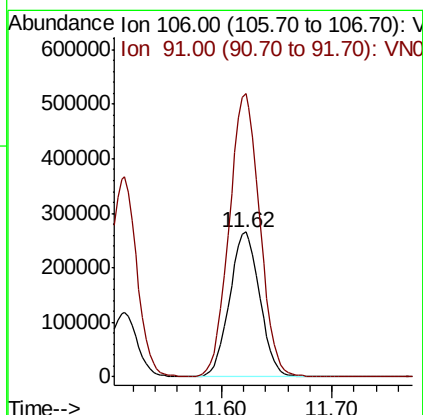
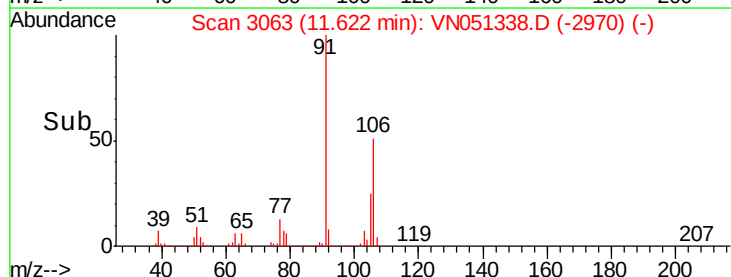
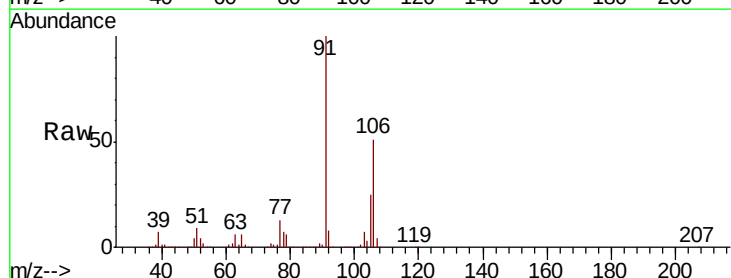
Acq: 20 Sep 2018 14:17

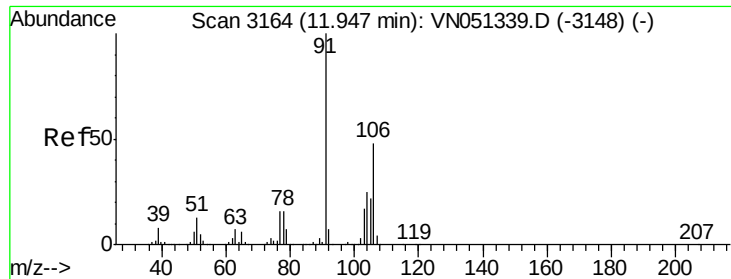
Tgt Ion: 106 Resp: 503877

Ion Ratio Lower Upper

106 100

91 198.1 156.5 234.7

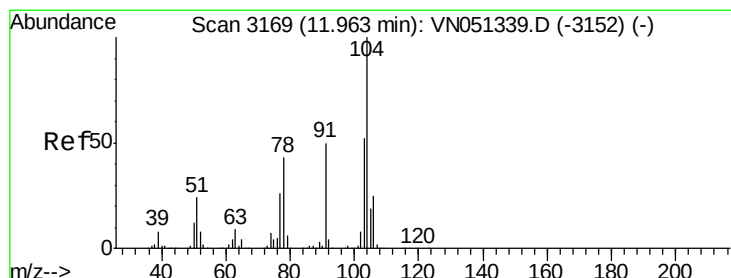
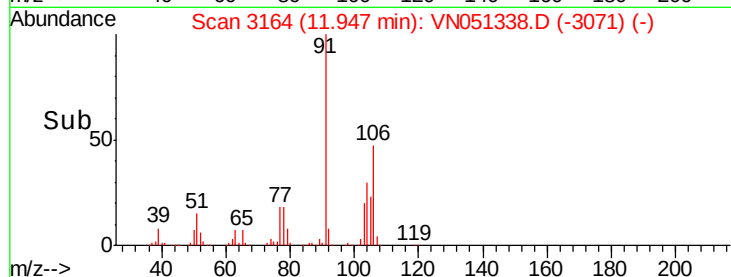
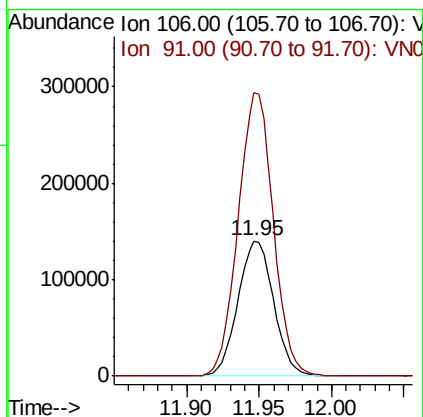
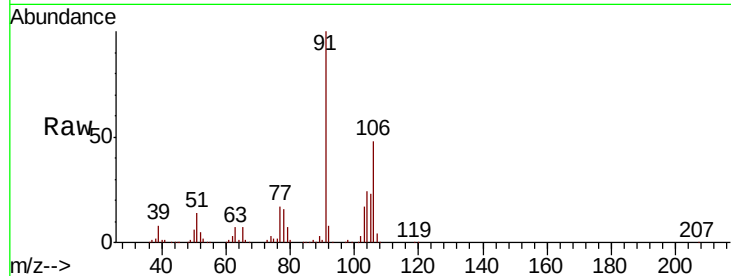




#69
o-Xylene
Concen: 20.07 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

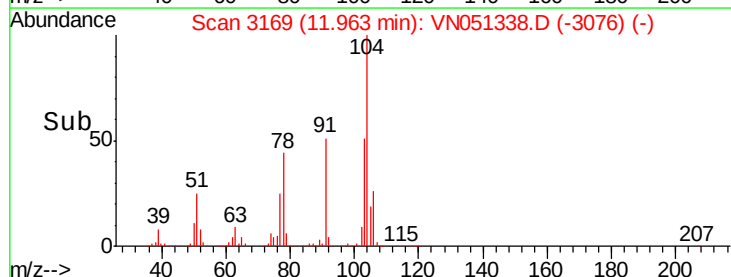
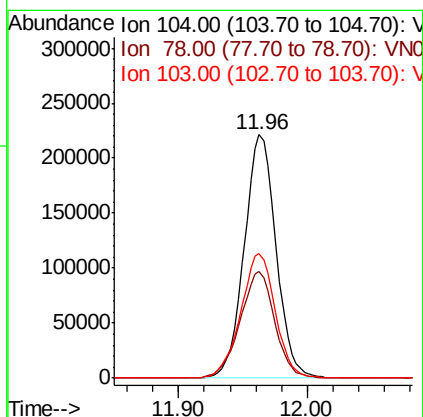
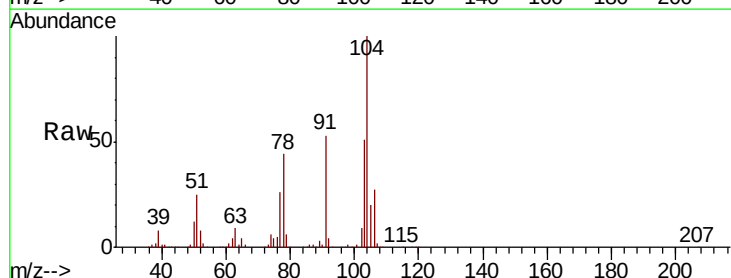
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

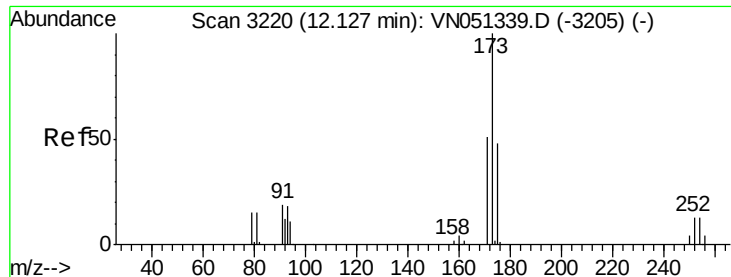
Tot Ion:106 Resp: 240485
Ion Ratio Lower Upper
106 100
91 206.2 104.6 313.7



#70
Styrene
Concen: 20.46 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion:104 Resp: 380670
Ion Ratio Lower Upper
104 100
78 47.6 37.8 56.6
103 55.4 44.3 66.5





#71

Bromoform

Concen: 19.63 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

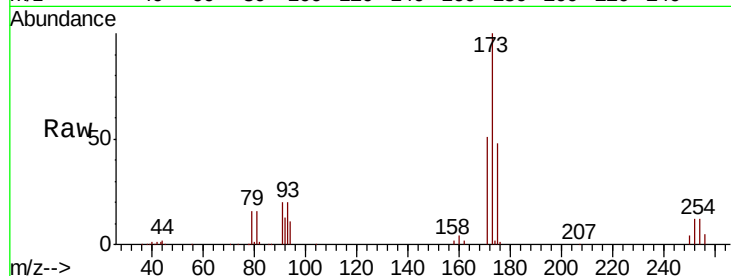
Tot Ion:173 Resp: 102594

Ion Ratio Lower Upper

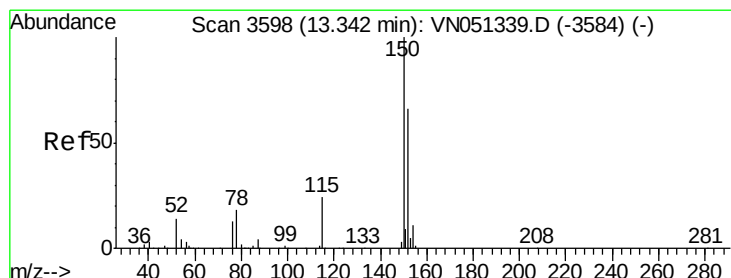
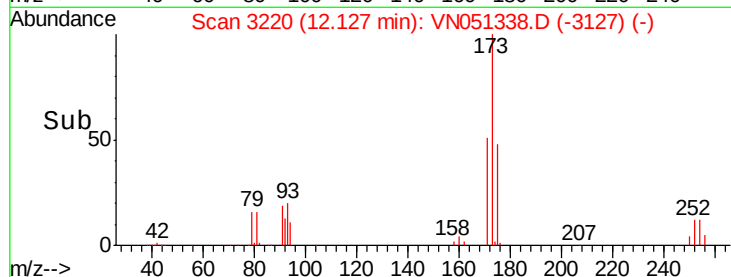
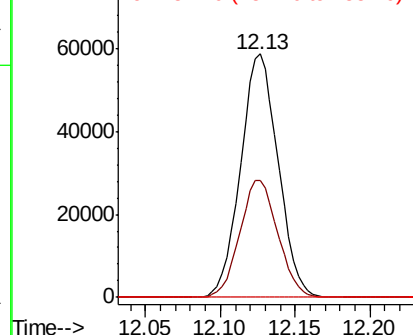
173 100

175 48.4 24.3 73.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

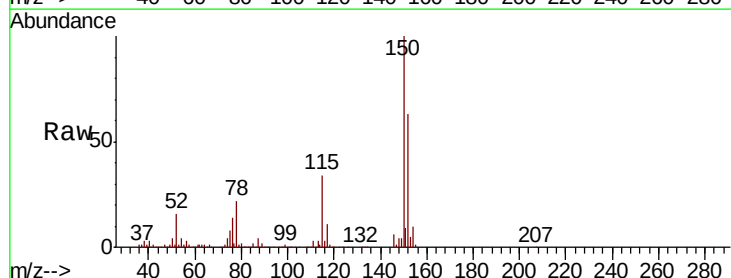
Tgt Ion:152 Resp: 436208

Ion Ratio Lower Upper

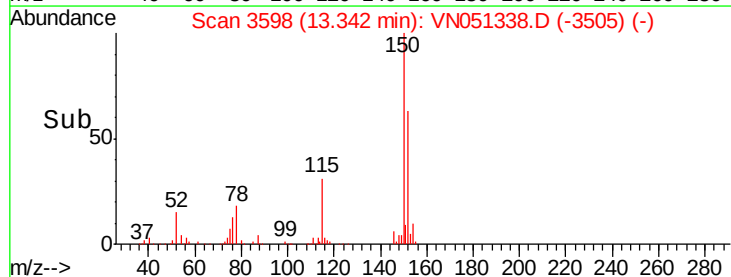
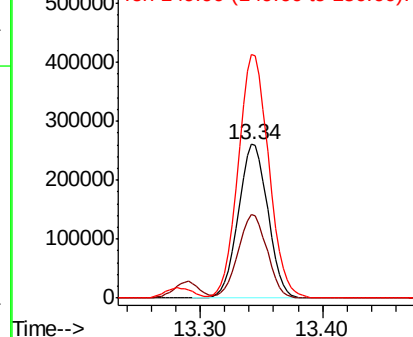
152 100

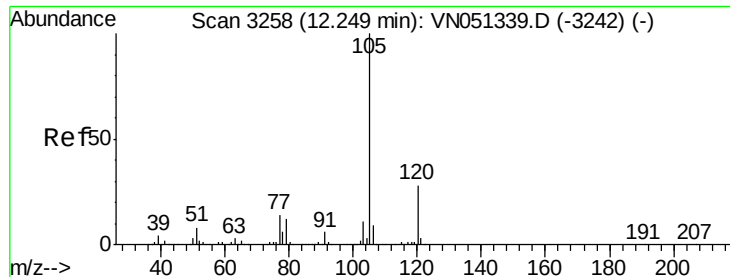
115 53.6 26.9 80.7

150 164.0 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.92 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

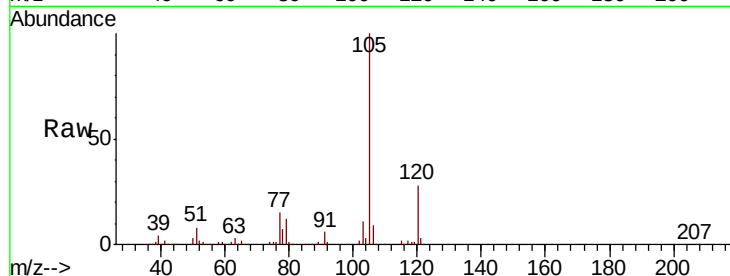
VSTDIC020

Tot Ion:105 Resp: 636679

Ion Ratio Lower Upper

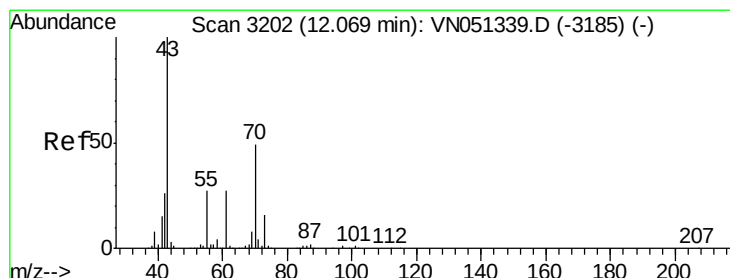
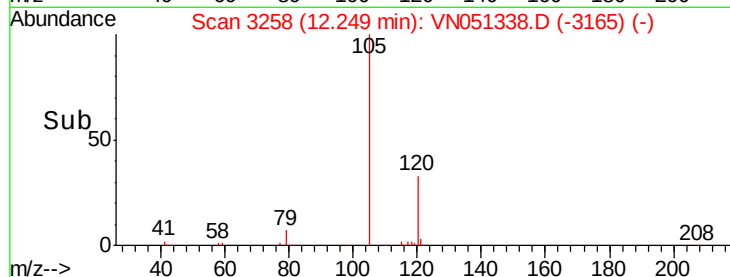
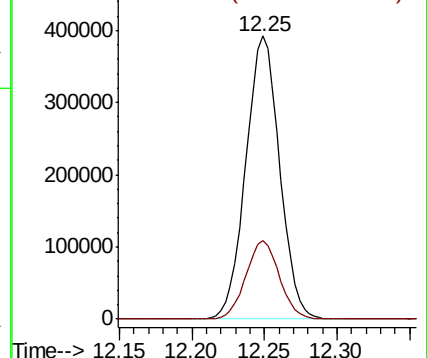
105 100

120 27.5 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.16 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Tgt Ion: 43 Resp: 131013

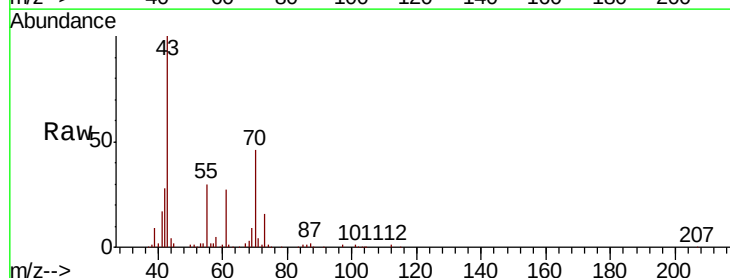
Ion Ratio Lower Upper

43 100

70 46.6 39.5 59.3

55 29.6 22.6 34.0

61 26.4 21.5 32.3

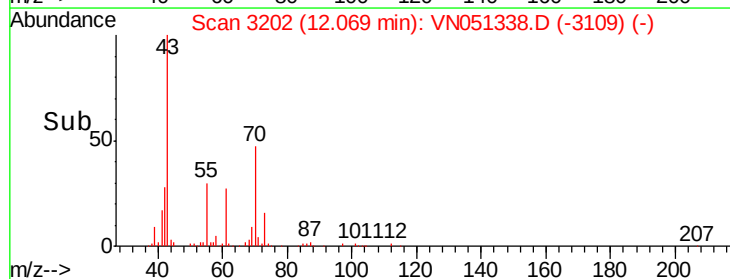
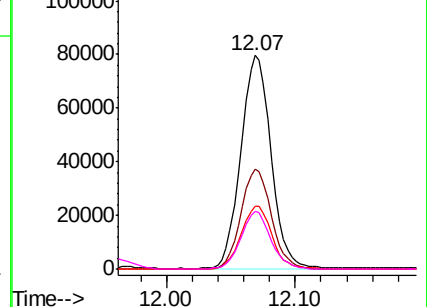


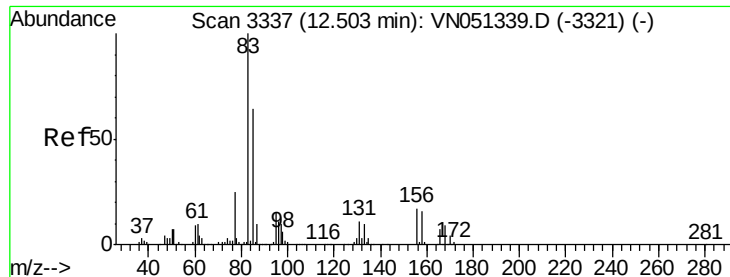
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.02 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

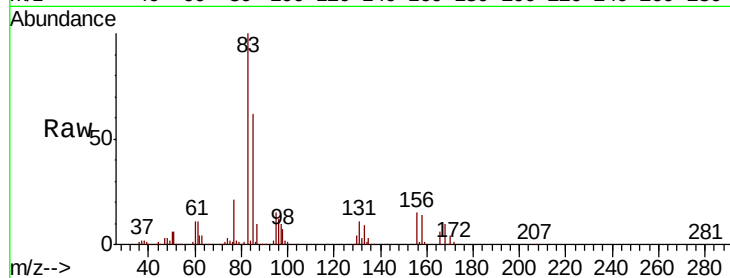
Tot Ion: 83 Resp: 150045

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

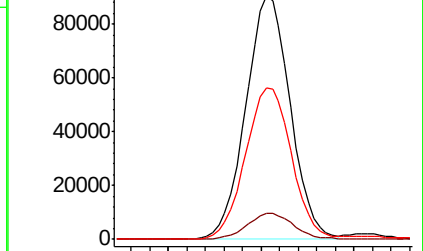
85 64.7 32.3 96.9



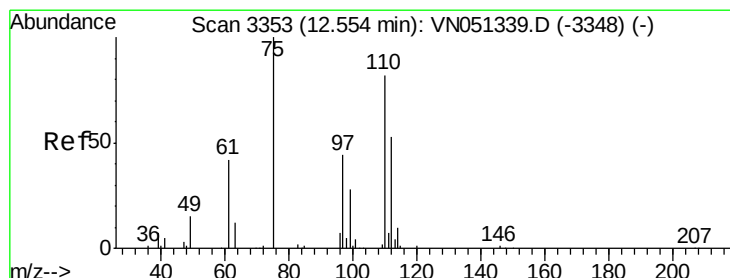
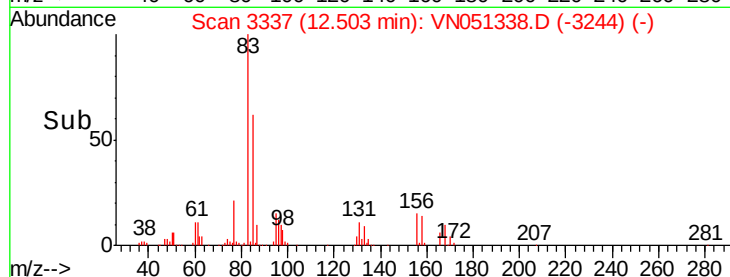
Abundance Ion 82.90 (82.60 to 83.60): VN051338.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN051338.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN051338.D (-3321) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.81 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051338.D

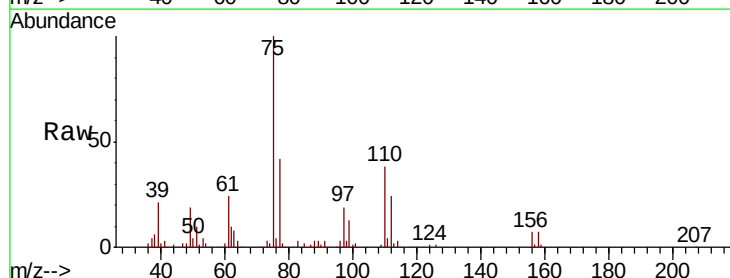
Acq: 20 Sep 2018 14:17

Tgt Ion: 75 Resp: 175198

Ion Ratio Lower Upper

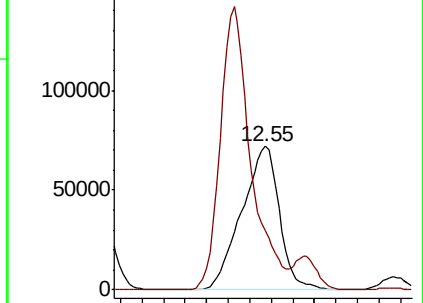
75 100

77 0.0 0.0 0.0

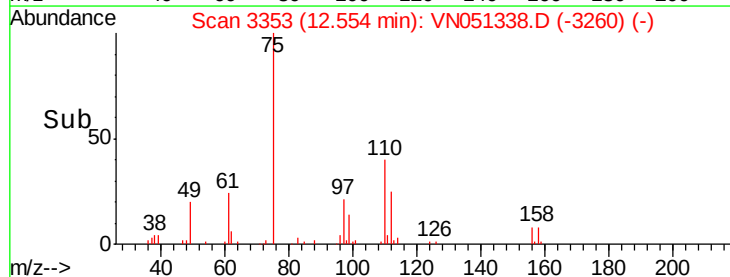


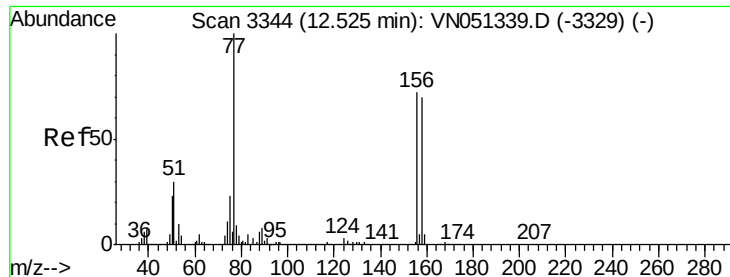
Abundance Ion 74.90 (74.60 to 75.60): VN051338.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051338.D (-3353) (-)



Time-->





#77

Bromobenzene

Concen: 19.37 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

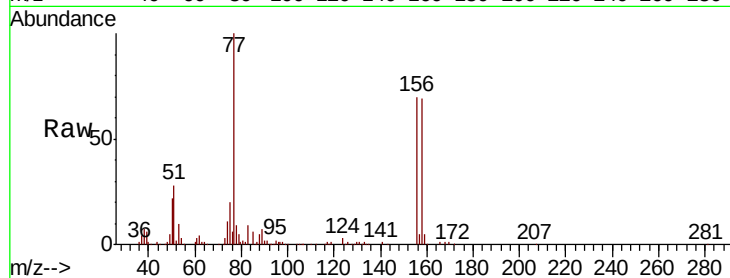
Tot Ion:156 Resp: 171112

Ion Ratio Lower Upper

156 100

77 162.3 80.8 242.4

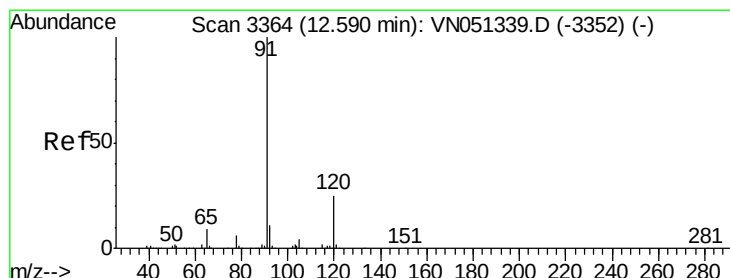
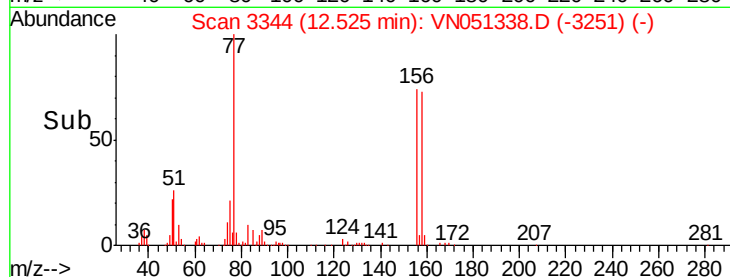
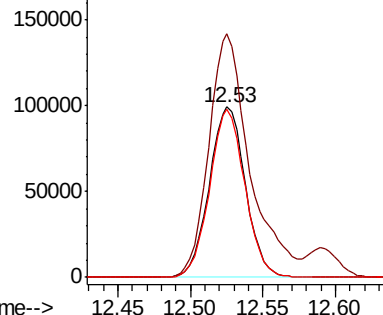
158 96.5 48.8 146.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.98 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051338.D

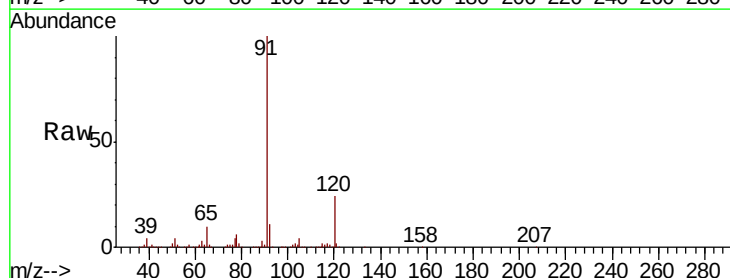
Acq: 20 Sep 2018 14:17

Tgt Ion: 91 Resp: 696437

Ion Ratio Lower Upper

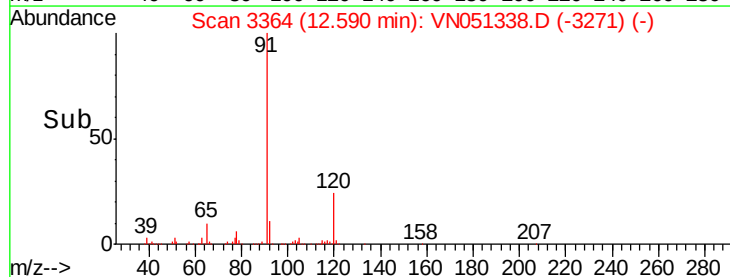
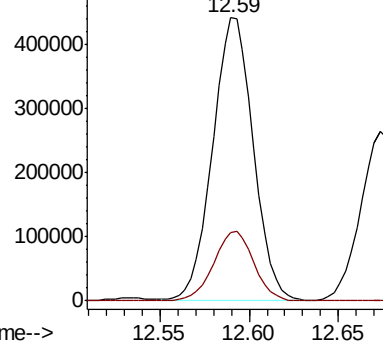
91 100

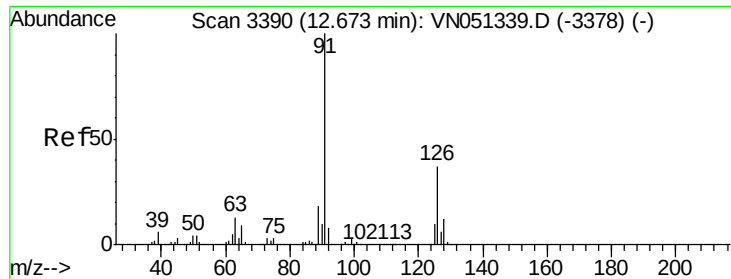
120 24.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.87 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

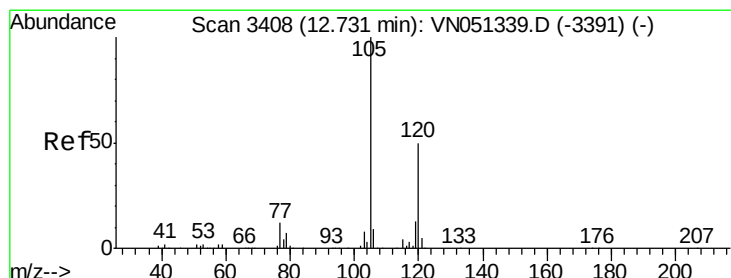
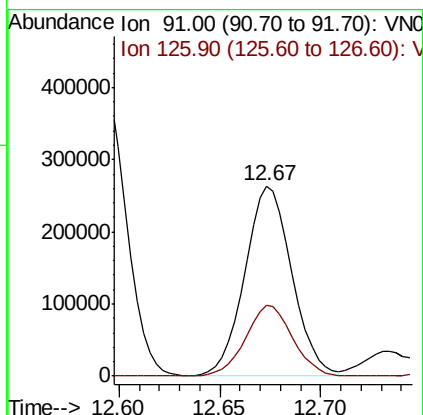
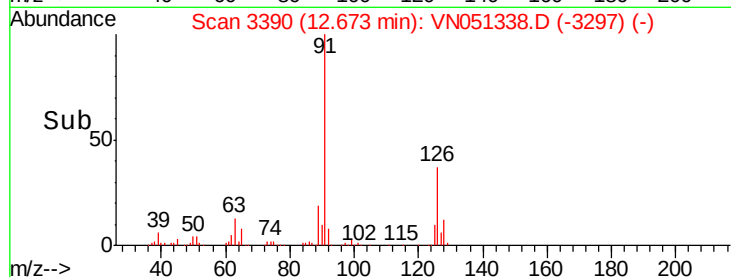
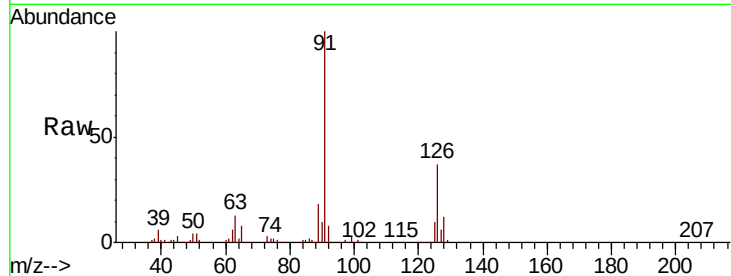
VSTDIC020

Tot Ion: 91 Resp: 426775

Ion Ratio Lower Upper

91 100

126 37.5 18.6 55.8



#80

1,3,5-Trimethylbenzene

Concen: 20.82 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051338.D

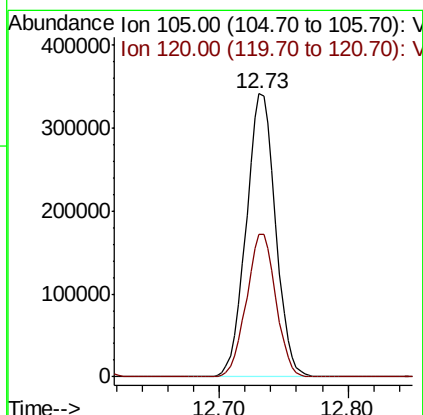
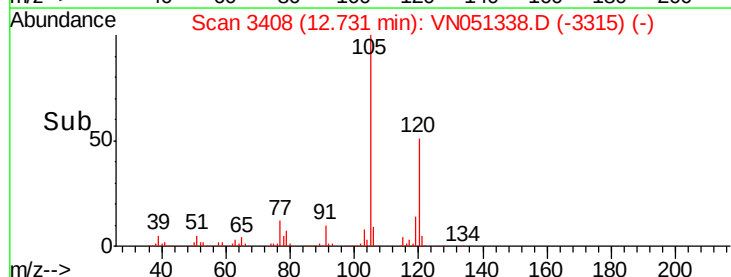
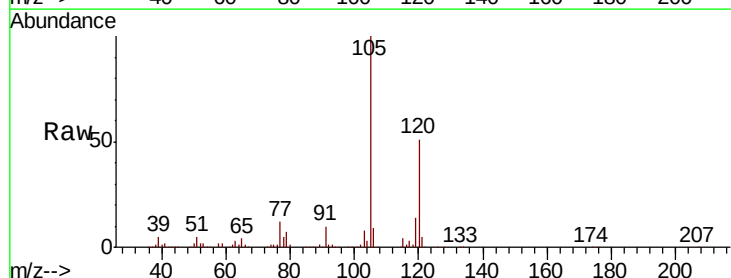
Acq: 20 Sep 2018 14:17

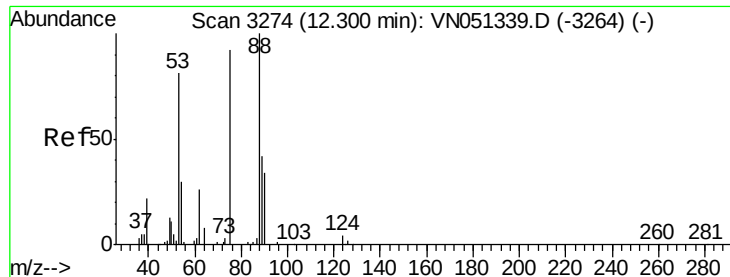
Tgt Ion:105 Resp: 539637

Ion Ratio Lower Upper

105 100

120 50.6 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.34 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

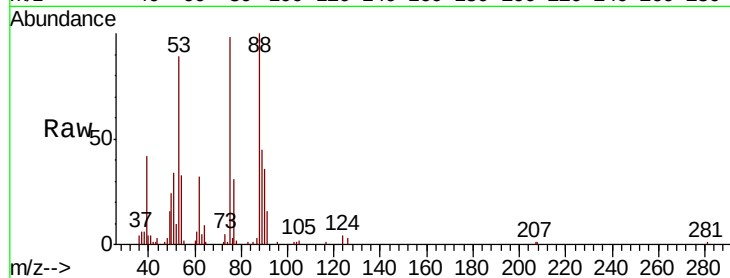
Tot Ion: 75 Resp: 37003

Ion Ratio Lower Upper

75 100

53 88.7 69.9 104.9

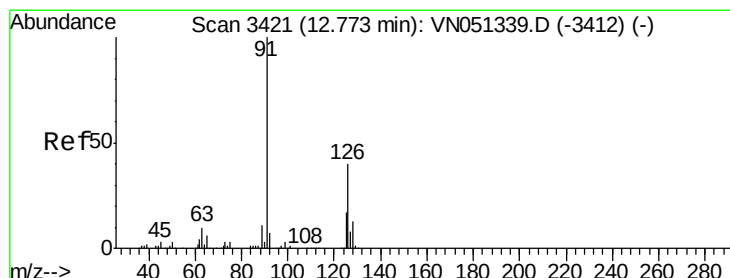
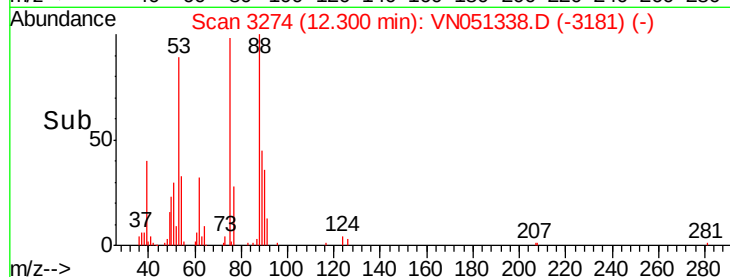
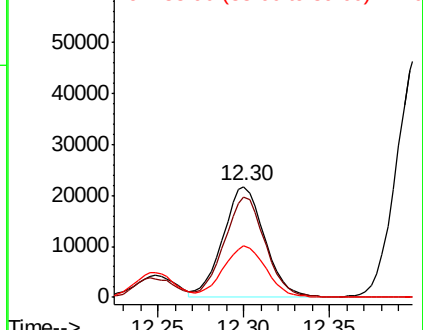
89 47.0 37.9 56.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.22 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051338.D

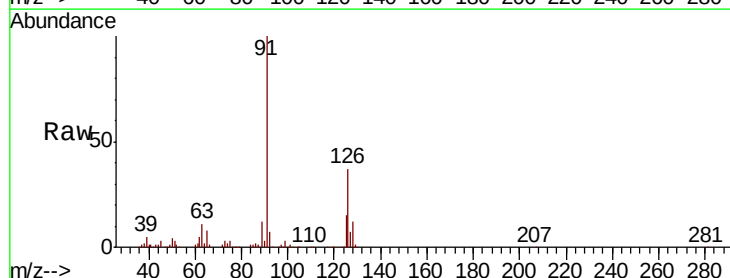
Acq: 20 Sep 2018 14:17

Tgt Ion: 91 Resp: 422133

Ion Ratio Lower Upper

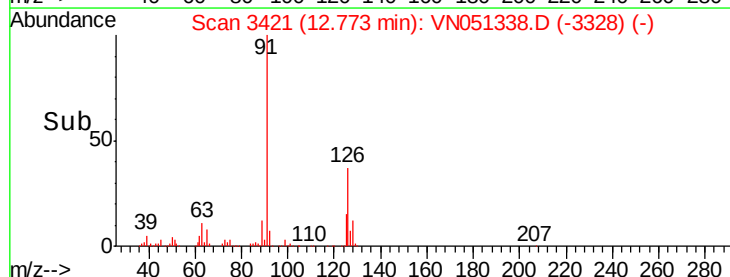
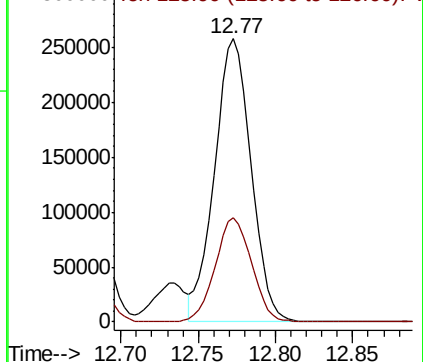
91 100

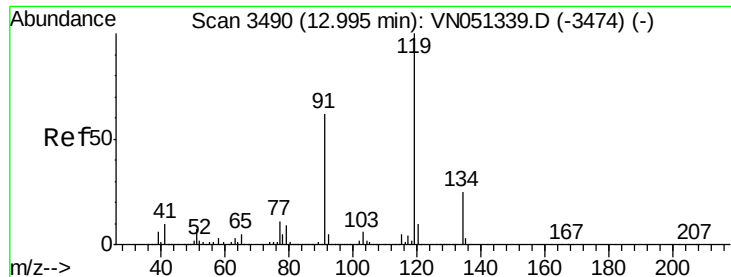
126 36.7 18.3 54.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

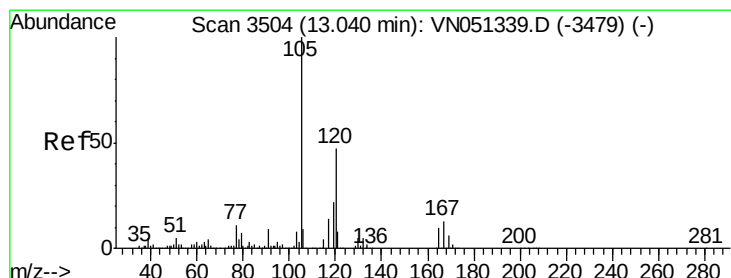
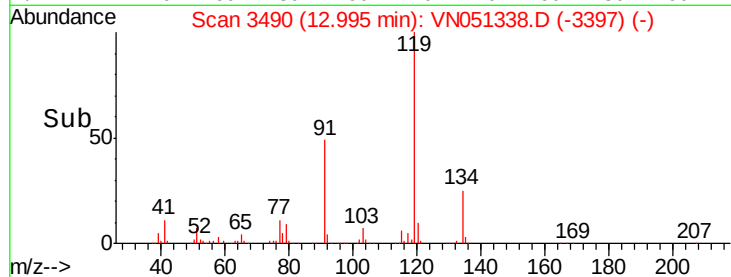
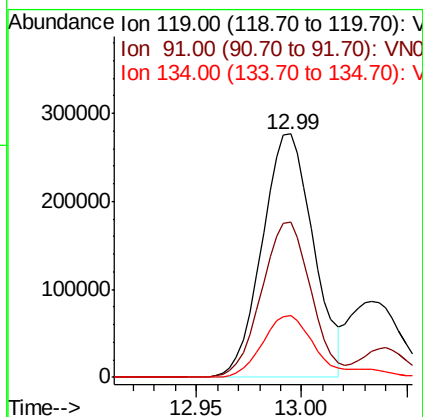
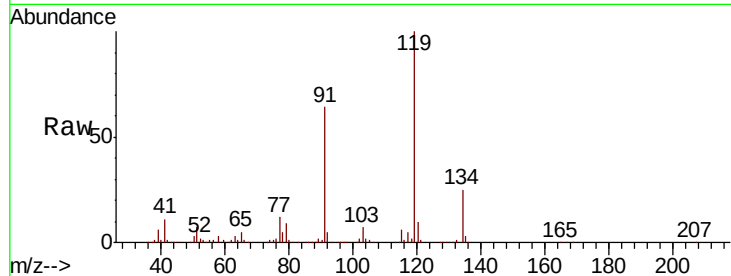




#83
 tert-Butylbenzene
 Concen: 20.14 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

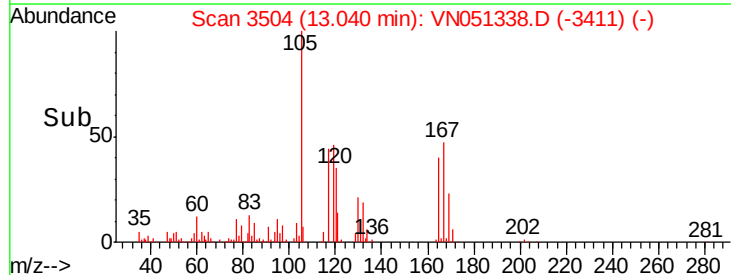
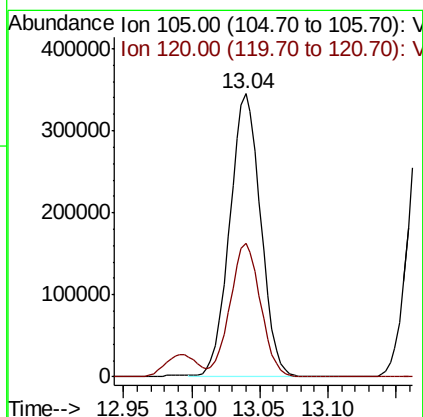
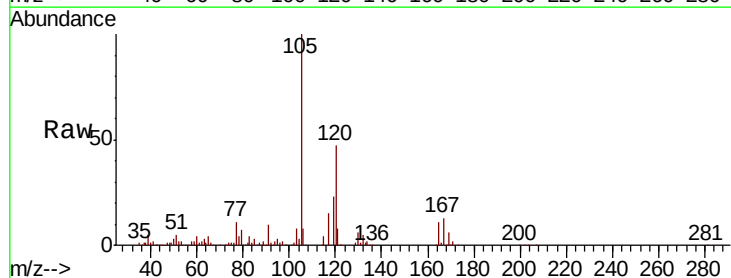
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

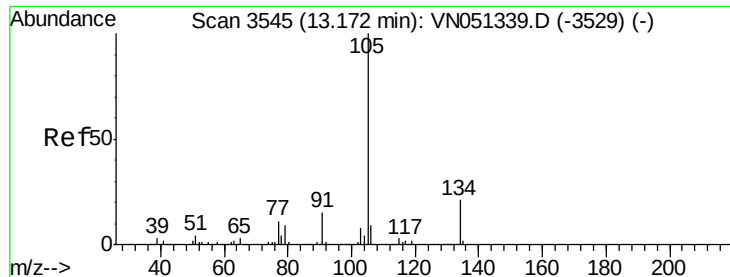
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.6	91.8
134	27.7	12.6	37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.14 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	23.5	70.6





#85

sec-Butylbenzene

Concen: 20.46 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

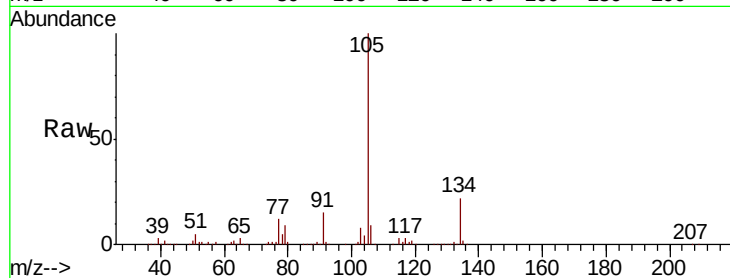
VSTDIC020

Tot Ion:105 Resp: 631051

Ion Ratio Lower Upper

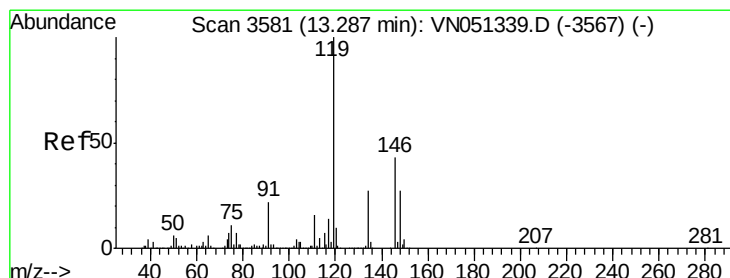
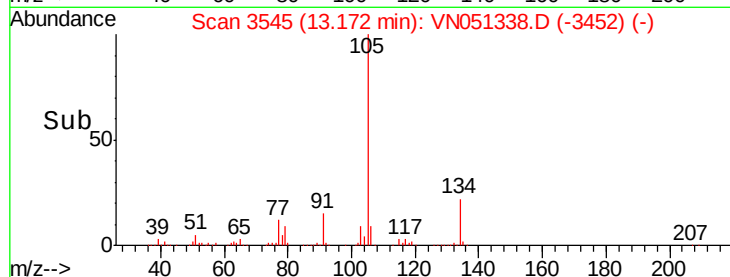
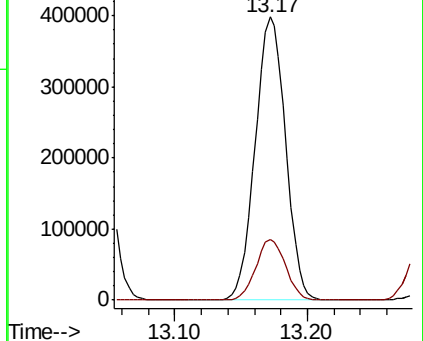
105 100

134 21.2 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.52 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

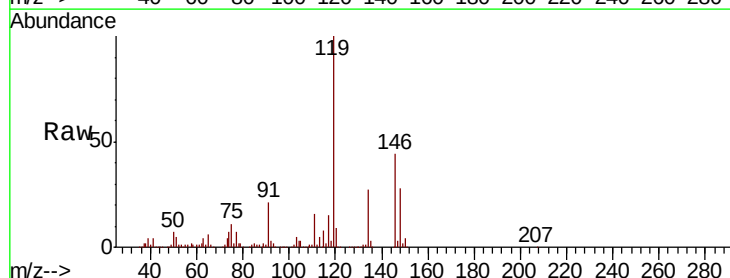
Tgt Ion:119 Resp: 550924

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

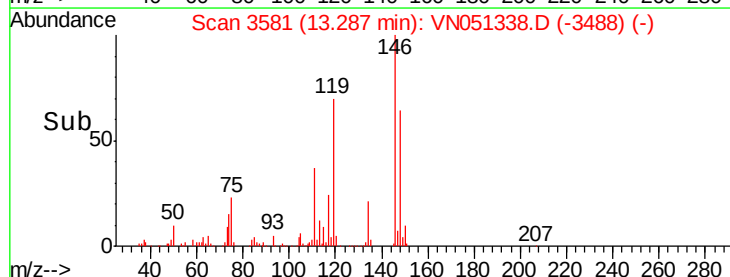
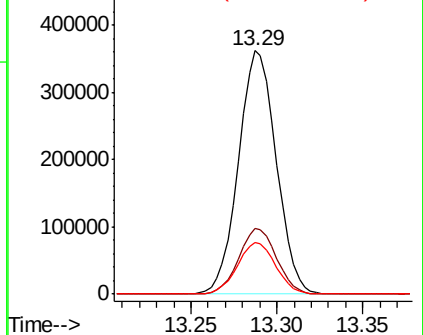
91 21.5 10.8 32.3

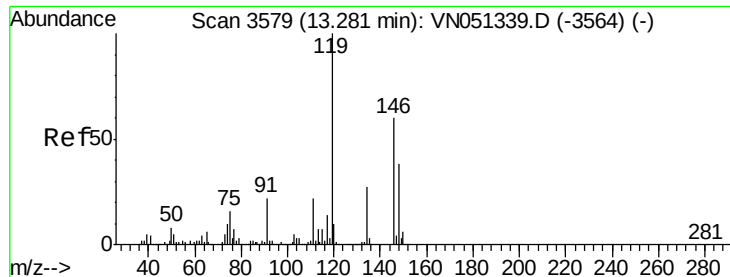


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.23 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

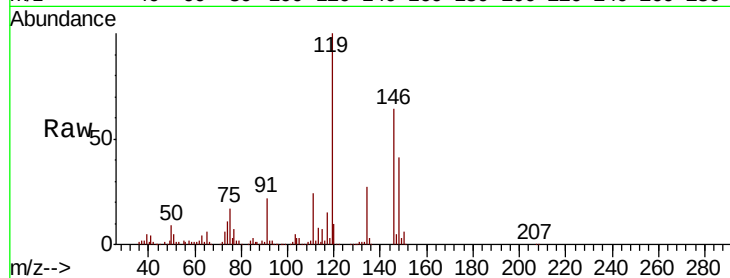
Tot Ion:146 Resp: 285502

Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.8

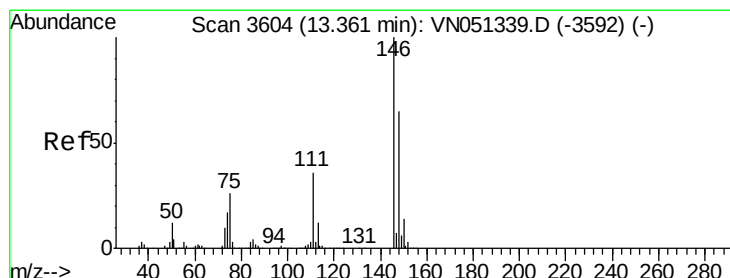
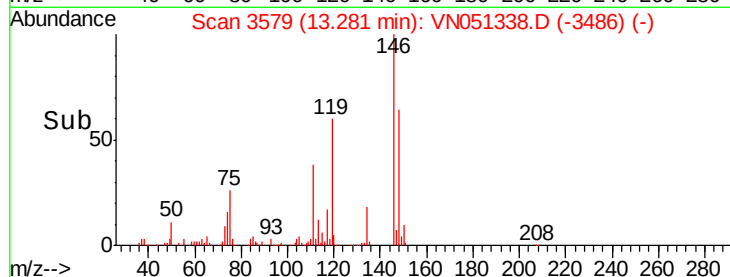
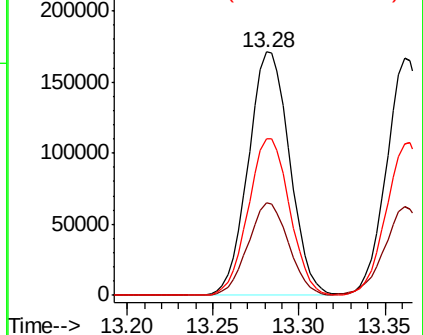
148 64.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.17 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

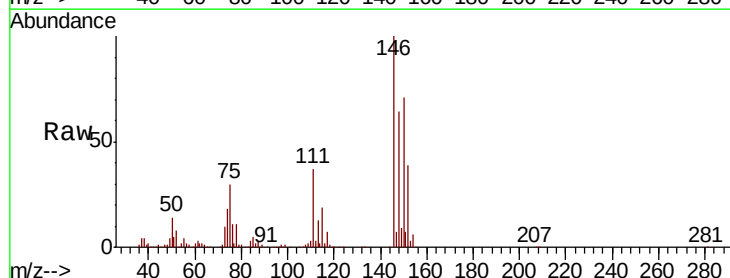
Tgt Ion:146 Resp: 275911

Ion Ratio Lower Upper

146 100

111 38.3 18.2 54.6

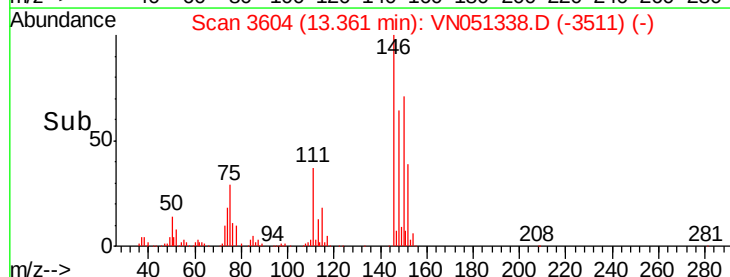
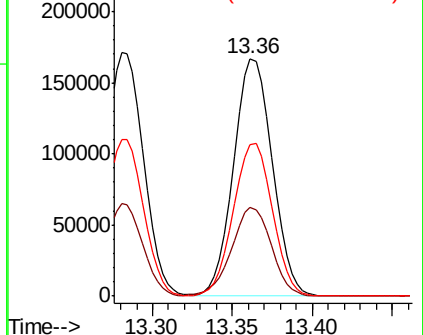
148 64.8 32.5 97.4

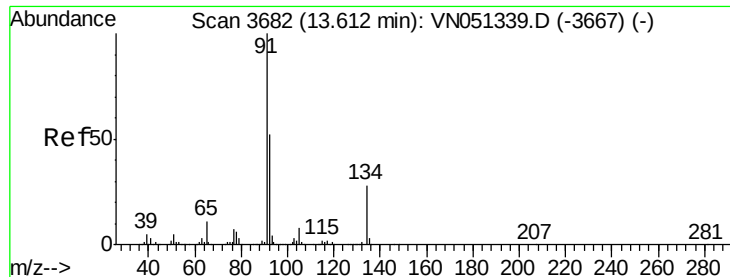


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

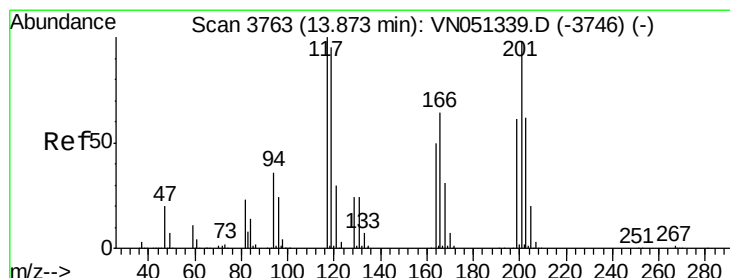
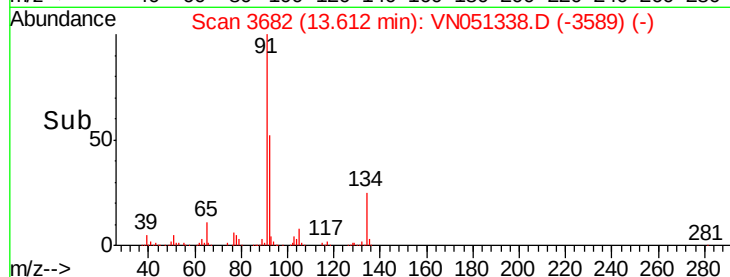
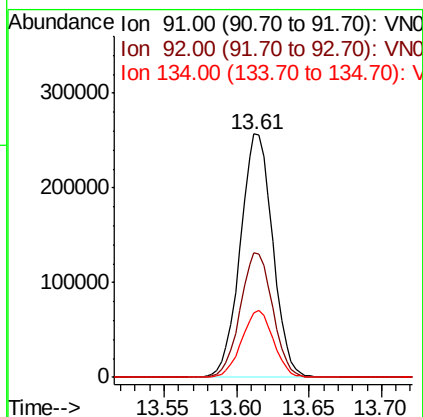
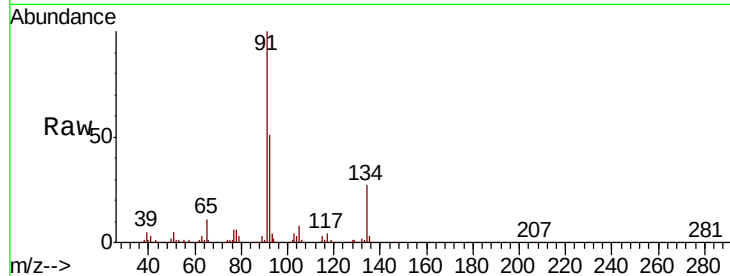




#89
n-Butylbenzene
Concen: 19.16 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

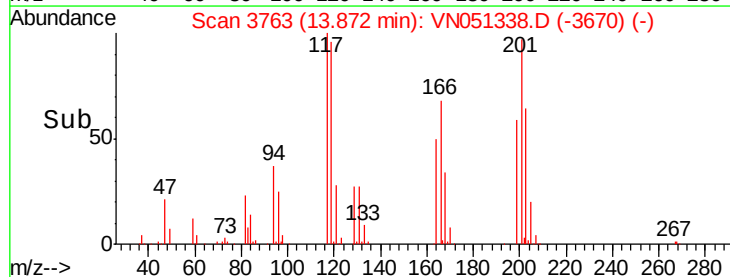
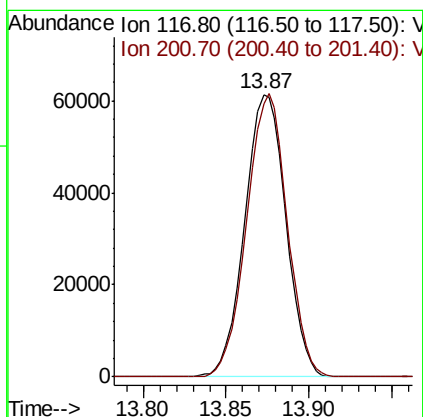
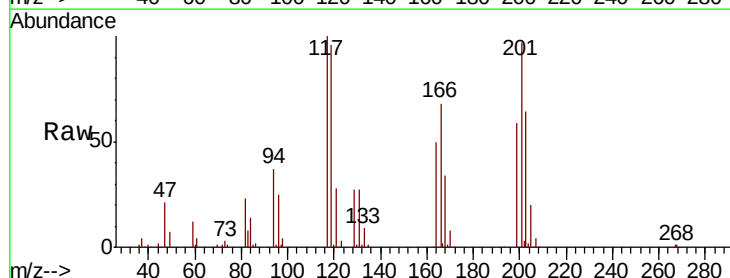
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

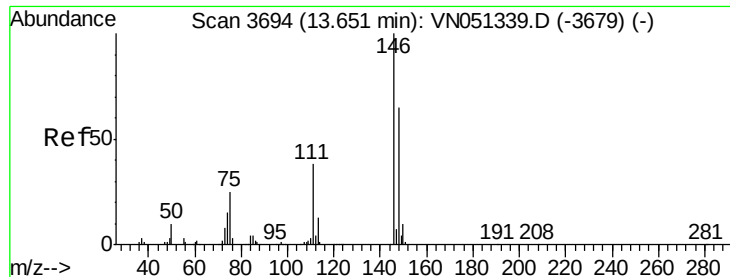
Tot Ion: 91 Resp: 399904
Ion Ratio Lower Upper
91 100
92 50.9 26.0 78.0
134 27.0 14.1 42.4



#90
Hexachloroethane
Concen: 18.40 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051338.D
Acq: 20 Sep 2018 14:17

Tgt Ion: 117 Resp: 105792
Ion Ratio Lower Upper
117 100
201 98.7 49.5 148.3





#91

1,2-Dichlorobenzene

Concen: 19.66 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

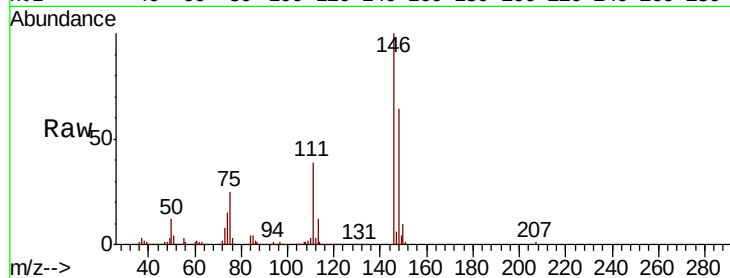
Tot Ion:146 Resp: 282036

Ion Ratio Lower Upper

146 100

111 39.1 19.3 57.8

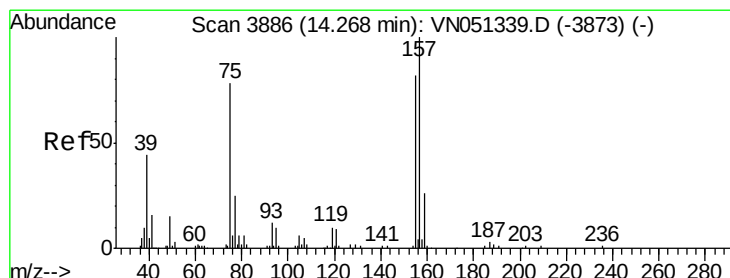
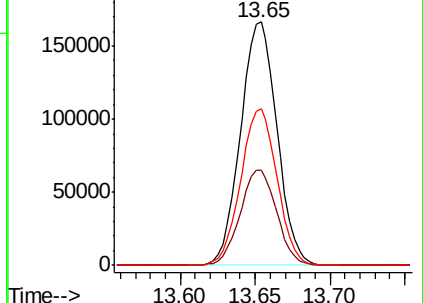
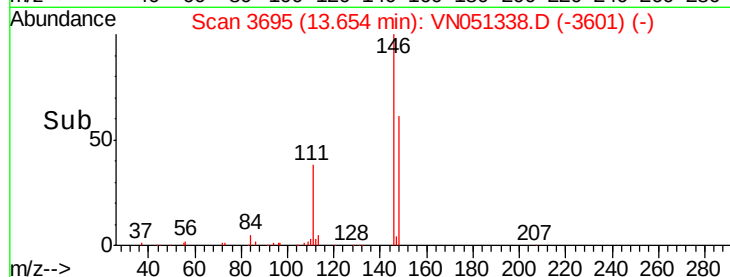
148 64.1 32.9 98.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.93 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

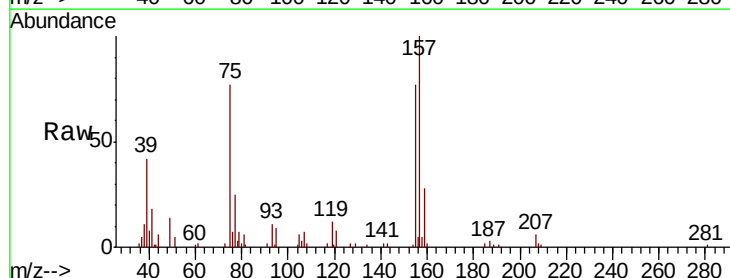
Tgt Ion: 75 Resp: 19786

Ion Ratio Lower Upper

75 100

155 99.2 51.4 154.2

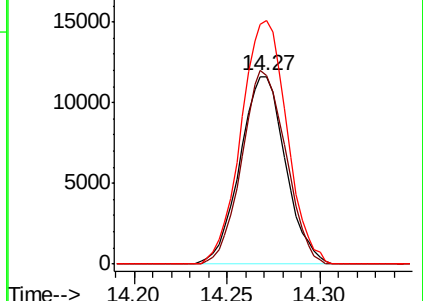
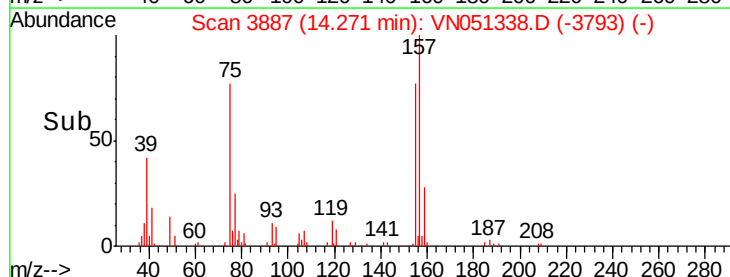
157 130.5 65.4 196.2

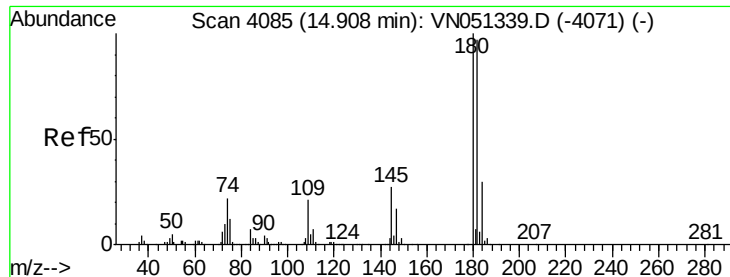


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

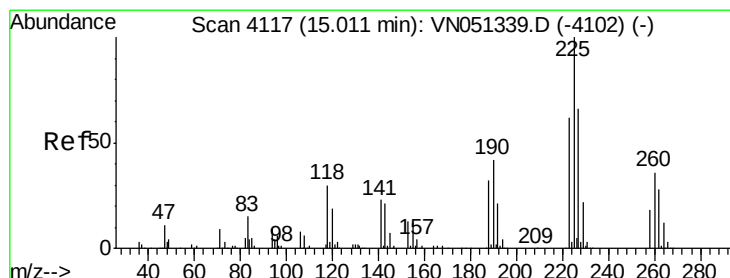
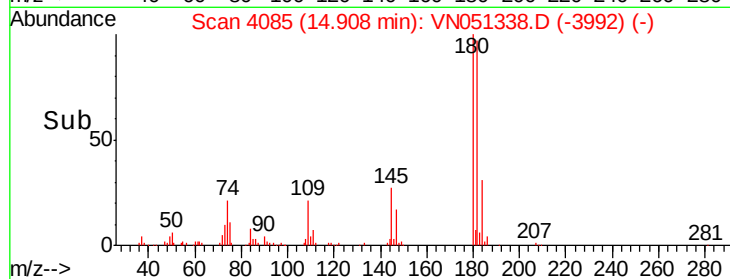
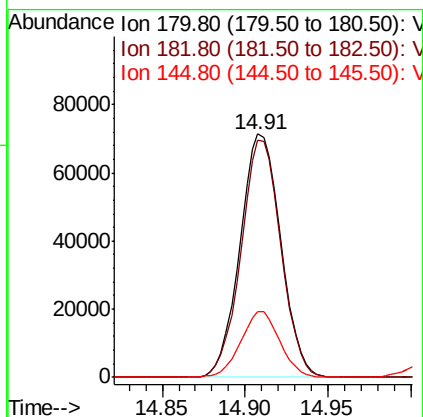
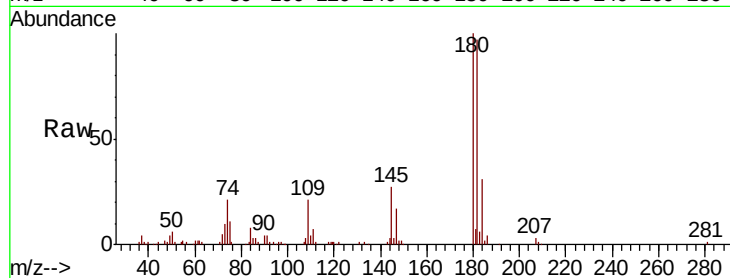




#93
 1,2,4-Trichlorobenzene
 Concen: 18.53 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

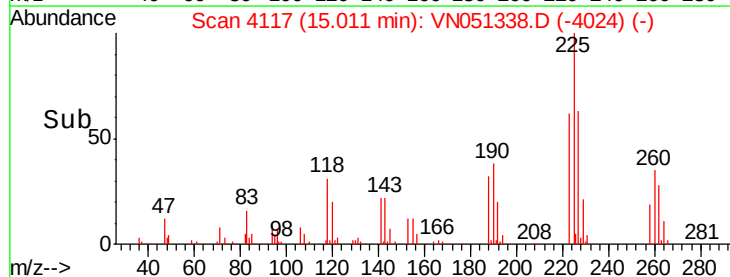
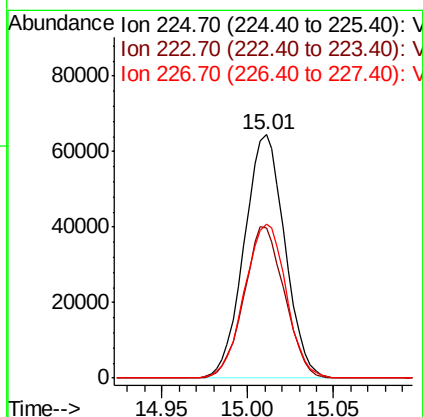
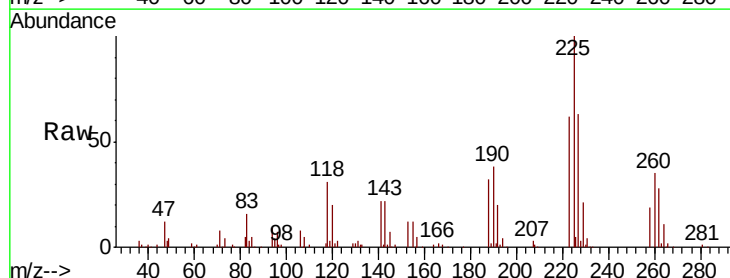
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

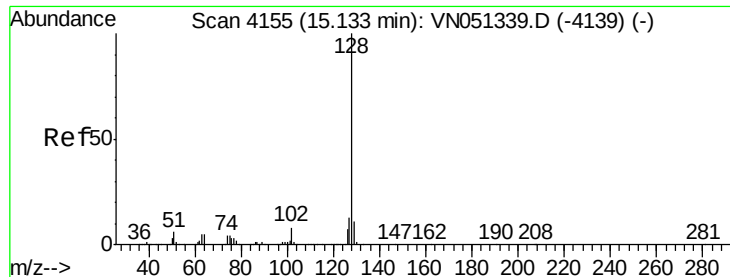
Tot Ion:180 Resp: 121848
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.4 145.2
 145 26.0 13.7 41.1



#94
 Hexachlorobutadiene
 Concen: 18.95 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051338.D
 Acq: 20 Sep 2018 14:17

Tgt Ion:225 Resp: 105496
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.2 93.6
 227 65.2 32.8 98.4





#95

Naphthalene

Concen: 17.28 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

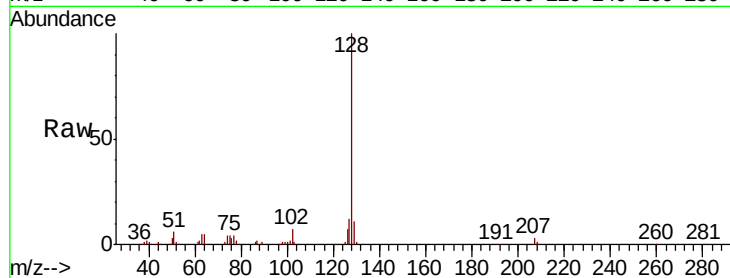
Tot Ion:128 Resp: 200323

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

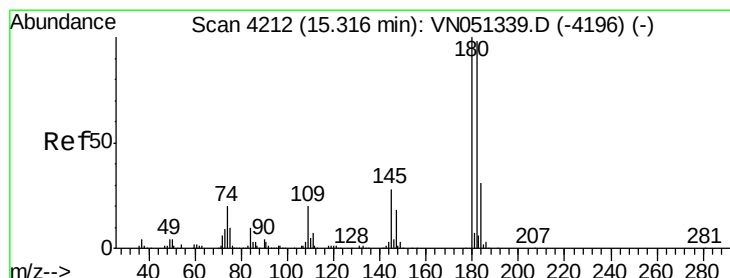
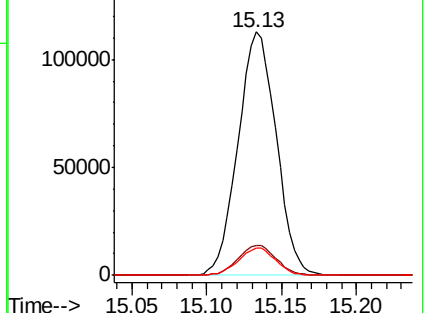
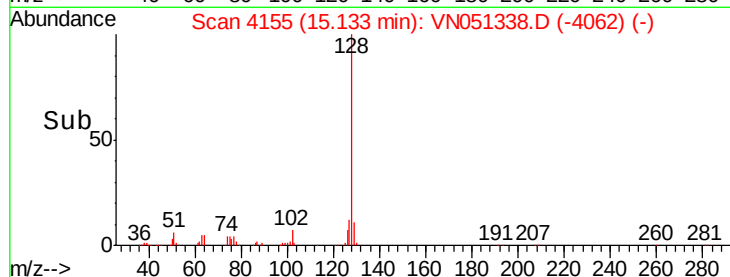
129 10.8 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 19.18 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051338.D

Acq: 20 Sep 2018 14:17

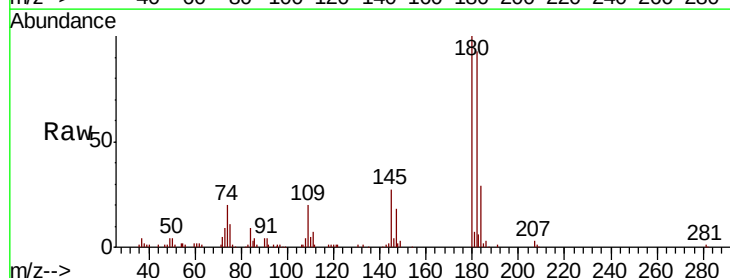
Tgt Ion:180 Resp: 125437

Ion Ratio Lower Upper

180 100

182 95.7 48.1 144.3

145 28.6 14.3 42.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

