

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050588.D
 Acq On : 14 Aug 2018 1:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 14 07:28:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 07:26:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	681038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	988476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	929864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	496968	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	829902	91.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.84%	
35) Dibromofluoromethane	7.59	113	778900	98.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.14%	
50) Toluene-d8	10.09	98	3030842	101.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.04%	
62) 4-Bromofluorobenzene	12.40	95	1047670	103.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	730793	96.577	ug/l	98
3) Chloromethane	2.06	50	934650	92.514	ug/l	100
4) Vinyl Chloride	2.18	62	964327	98.345	ug/l	100
5) Bromomethane	2.55	94	568373	94.570	ug/l	99
6) Chloroethane	2.70	64	571456	95.020	ug/l	100
7) Trichlorofluoromethane	3.01	101	1224600	96.879	ug/l	100
8) Diethyl Ether	3.41	74	432719	94.169	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	742001	94.897	ug/l	99
10) Methyl Iodide	3.95	142	599205	158.649	ug/l	100
11) Tert butyl alcohol	4.79	59	235563	347.278	ug/l	100
12) 1,1-Dichloroethene	3.73	96	707211	96.145	ug/l	99
13) Acrolein	3.61	56	86980	119.838	ug/l	99
14) Allyl chloride	4.32	41	1139170	97.218	ug/l	99
15) Acrylonitrile	4.99	53	1274390	427.643	ug/l	100
16) Acetone	3.82	43	1067616	375.446	ug/l	98
17) Carbon Disulfide	4.05	76	2239777	93.617	ug/l	99
18) Methyl Acetate	4.33	43	589158	72.669	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1923283	93.753	ug/l	100
20) Methylene Chloride	4.55	84	813770	80.383	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	777271	97.705	ug/l	99
22) Diisopropyl ether	5.96	45	2418591	100.595	ug/l	98
23) Vinyl Acetate	5.90	43	8138272	481.973	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1429458	96.586	ug/l	100
25) 2-Butanone	6.84	43	1746630	403.535	ug/l	99
26) 2,2-Dichloropropane	6.83	77	937581	79.250	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	874509	99.337	ug/l	100
28) Bromochloromethane	7.20	49	680226	99.709	ug/l	99
29) Tetrahydrofuran	7.21	42	928065	399.701	ug/l	99
30) Chloroform	7.37	83	1414838	95.652	ug/l	100
31) Cyclohexane	7.65	56	1309725	88.374	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1228980	96.753	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1128387	104.045	ug/l	99
37) Ethyl Acetate	6.93	43	644980	85.930	ug/l	99
38) Carbon Tetrachloride	7.78	117	1105787	97.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1248983	105.562	ug/l	99
40) Benzene	8.04	78	3354198	100.461	ug/l	99
41) Methacrylonitrile	7.18	41	369121	91.081	ug/l	96
42) 1,2-Dichloroethane	8.13	62	995943	94.844	ug/l	100
43) Isopropyl Acetate	8.17	43	1144261	87.346	ug/l #	86
44) Trichloroethene	8.84	130	880452	98.045	ug/l	100
45) 1,2-Dichloropropane	9.12	63	871094	99.287	ug/l	99
46) Dibromomethane	9.21	93	506228	94.462	ug/l	98
47) Bromodichloromethane	9.40	83	1099646	98.092	ug/l	100
48) Methyl methacrylate	9.20	41	585609	89.553	ug/l	100
49) 1,4-Dioxane	9.20	88	156891	1578.314	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3983108	425.861	ug/l	100
52) Toluene	10.16	92	2099876	104.839	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1121829	100.790	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1288545	103.182	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	731444	94.362	ug/l	99
56) Ethyl methacrylate	10.43	69	969899	100.544	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1242645	97.561	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2307506	512.035	ug/l	100
59) 2-Hexanone	10.75	43	2668395	411.416	ug/l	99
60) Dibromochloromethane	10.90	129	855059	99.991	ug/l	99
61) 1,2-Dibromoethane	11.01	107	736686	96.839	ug/l	99
64) Tetrachloroethene	10.63	164	828130	95.457	ug/l	99
65) Chlorobenzene	11.43	112	2320753	99.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	846880	99.527	ug/l	99
67) Ethyl Benzene	11.51	91	4047102	107.333	ug/l	100
68) m/p-Xylenes	11.62	106	3094891	215.456	ug/l	99
69) o-Xylene	11.95	106	1498306	108.476	ug/l	100
70) Styrene	11.96	104	2483146	110.856	ug/l	100
71) Bromoform	12.13	173	593140	97.145	ug/l #	100
73) Isopropylbenzene	12.25	105	3963289	105.482	ug/l	100
74) N-amyl acetate	12.07	43	1036431	88.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	897256	84.585	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1101608	122.667	ug/l #	100
77) Bromobenzene	12.53	156	1009227	100.386	ug/l	100
78) n-propylbenzene	12.59	91	4528598	106.577	ug/l	100
79) 2-Chlorotoluene	12.68	91	2674457	101.841	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3239718	106.436	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	229471	92.462	ug/l	99
82) 4-Chlorotoluene	12.77	91	2740743	104.729	ug/l	100
83) tert-Butylbenzene	12.99	119	2814820	106.288	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3325036	107.899	ug/l	99
85) sec-Butylbenzene	13.17	105	3687248	104.246	ug/l	99
86) p-Isopropyltoluene	13.29	119	3262447	107.784	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1786606	100.183	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1747856	98.245	ug/l	100
89) n-Butylbenzene	13.62	91	2692785	105.242	ug/l	100
90) Hexachloroethane	13.88	117	563638	103.776	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1689473	94.901	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	130946	74.038	ug/l	96

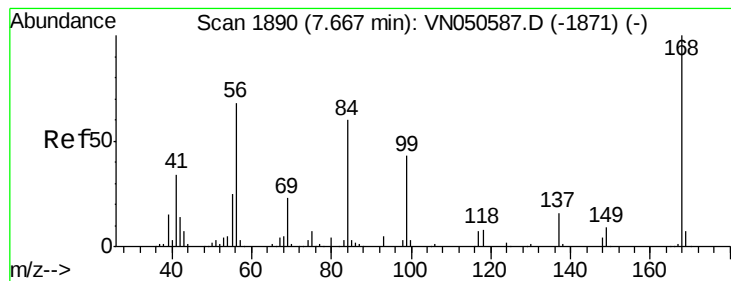
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	934804	104.484	ug/l	100
94) Hexachlorobutadiene	15.01	225	494557	75.874	ug/l	98
95) Naphthalene	15.13	128	1994372	98.565	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	866071	95.783	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

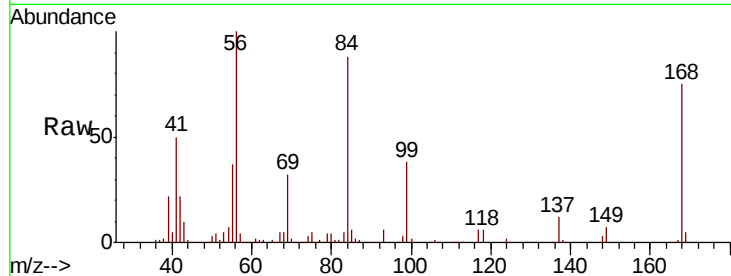
VSTDIC100

Tot Ion:168 Resp: 681038

Ion Ratio Lower Upper

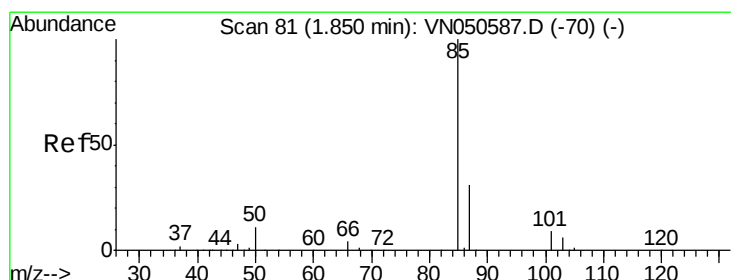
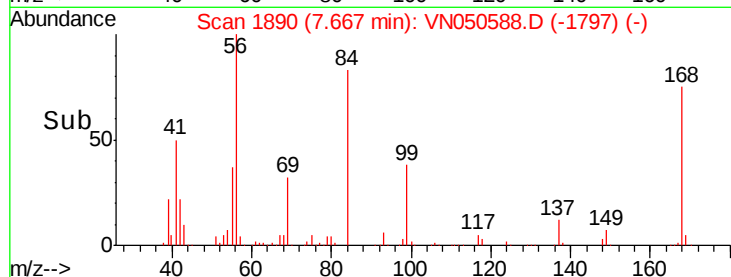
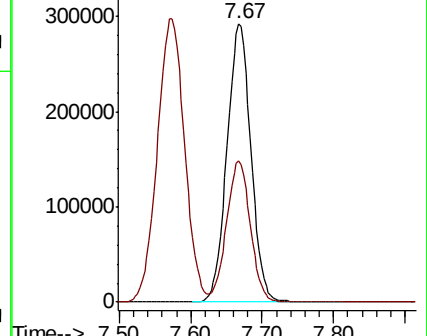
168 100

99 50.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 96.577 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050588.D

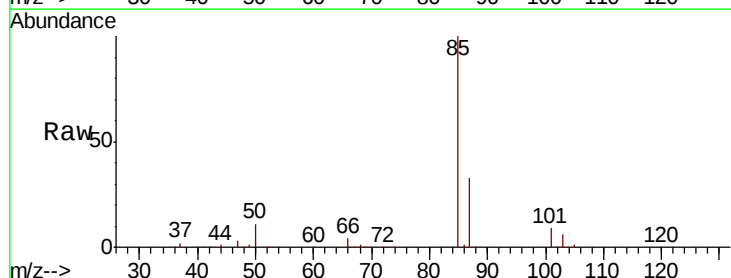
Acq: 14 Aug 2018 1:24

Tgt Ion: 85 Resp: 730793

Ion Ratio Lower Upper

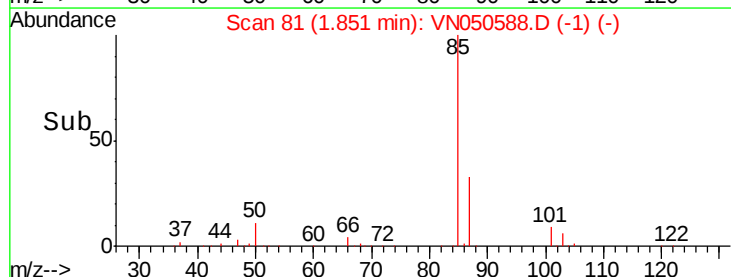
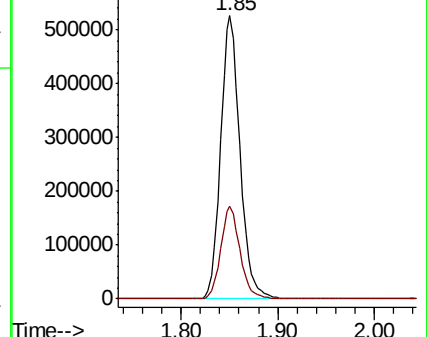
85 100

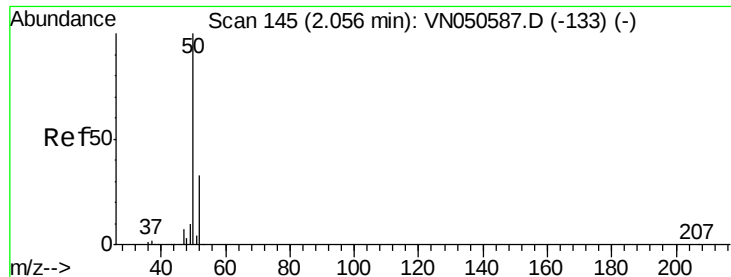
87 32.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 92.514 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

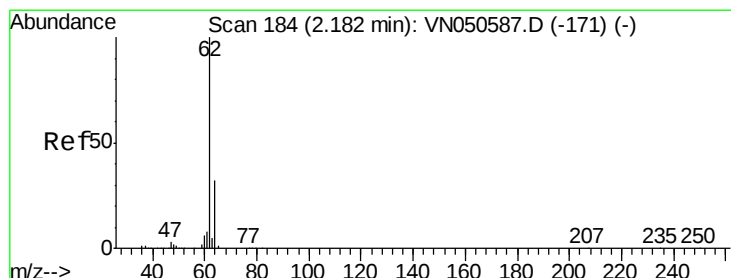
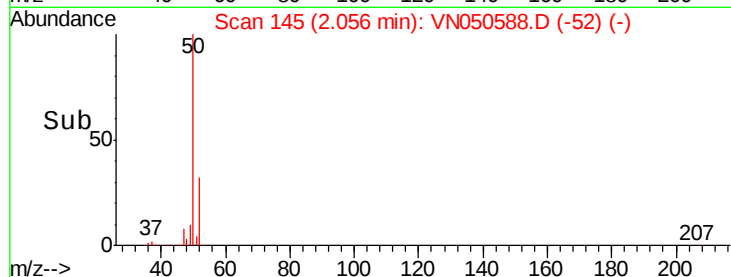
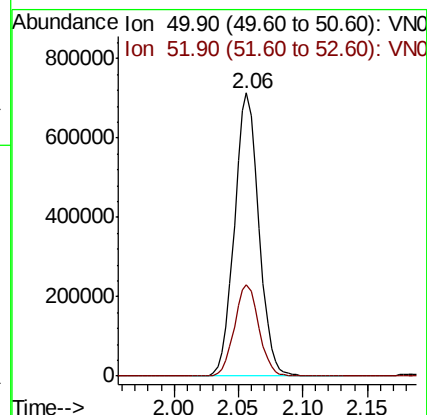
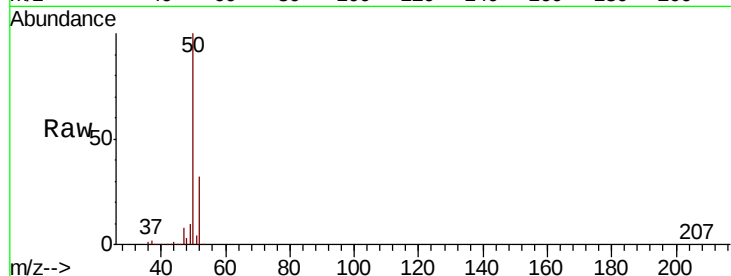
VSTDIC100

Tot Ion: 50 Resp: 934650

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



#4

Vinyl Chloride

Concen: 98.345 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050588.D

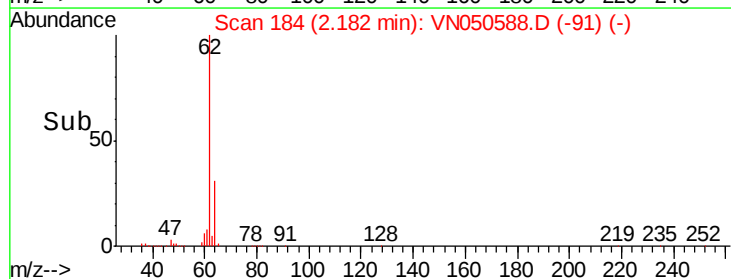
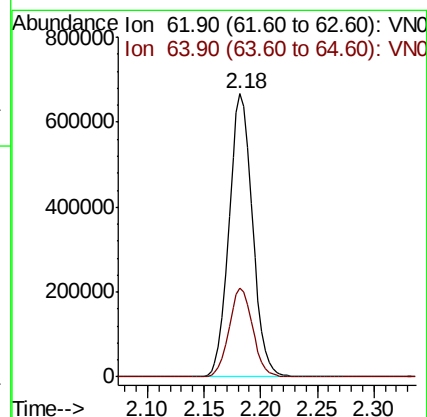
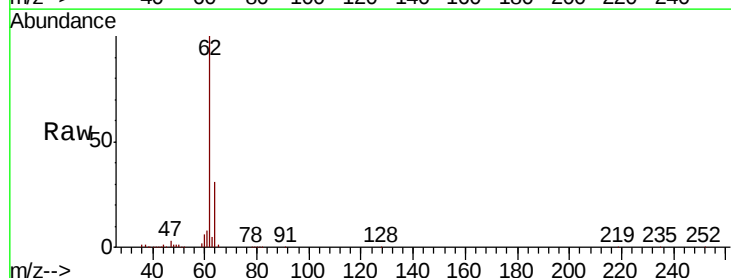
Acq: 14 Aug 2018 1:24

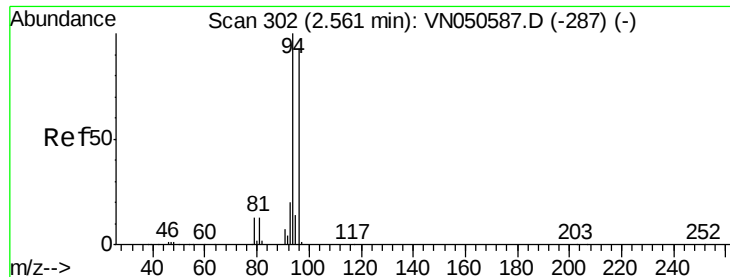
Tgt Ion: 62 Resp: 964327

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 94.570 ug/l

RT: 2.55 min Scan# 299

Delta R.T. -0.01 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

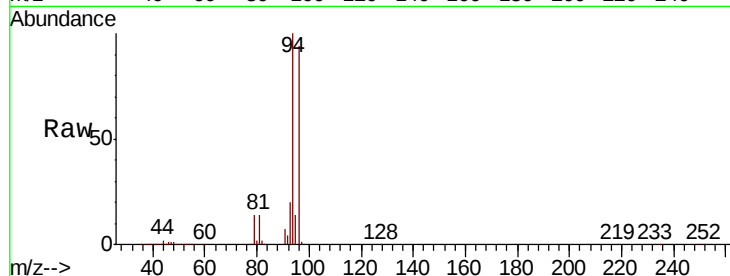
VSTDIC100

Tot Ion: 94 Resp: 568373

Ion Ratio Lower Upper

94 100

96 93.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

250000

200000

150000

100000

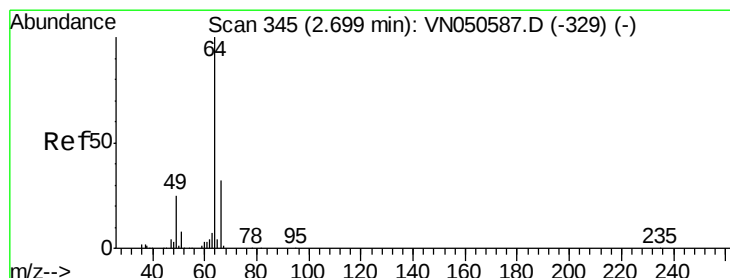
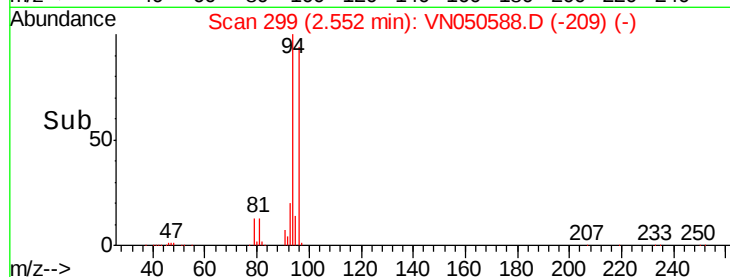
50000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 95.020 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050588.D

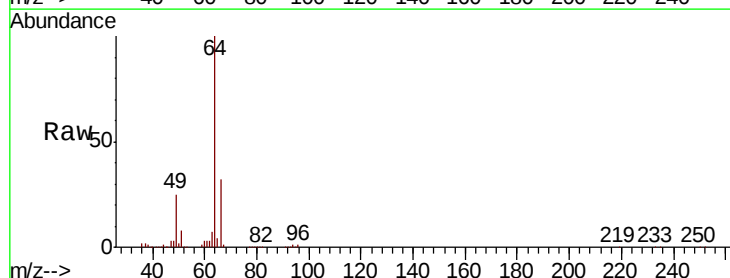
Acq: 14 Aug 2018 1:24

Tgt Ion: 64 Resp: 571456

Ion Ratio Lower Upper

64 100

66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

300000

250000

200000

150000

100000

50000

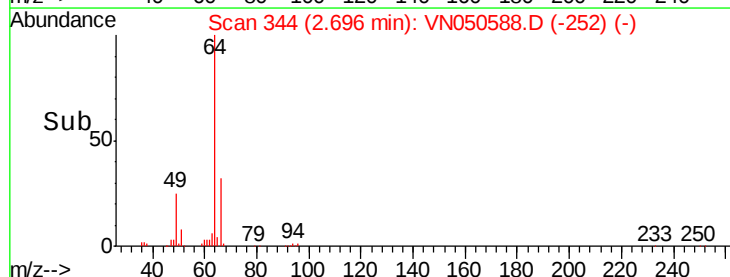
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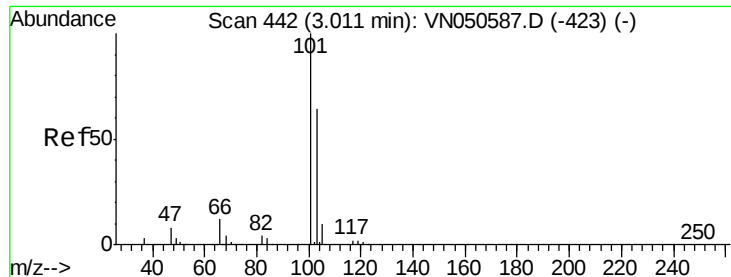
Time-->

2.60

2.70

2.80



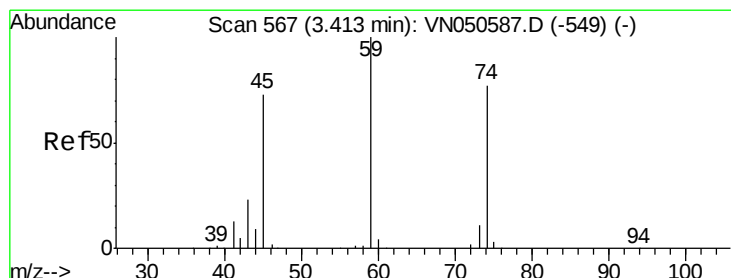
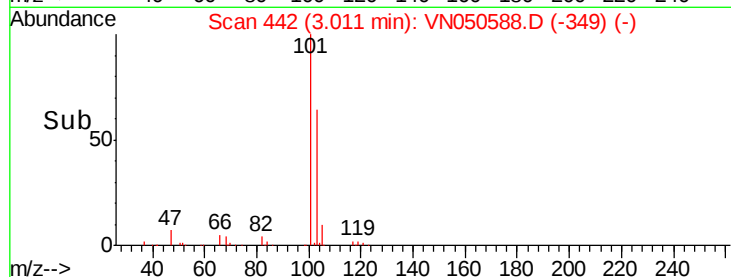
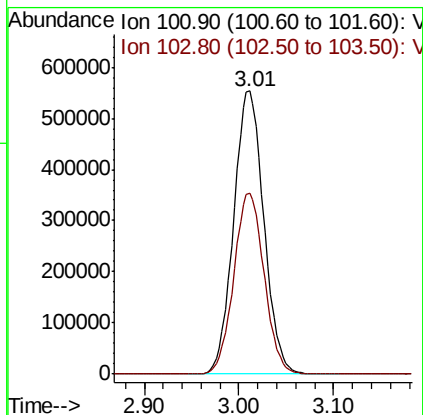
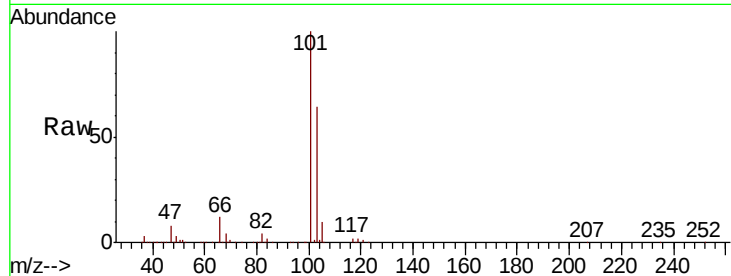


#7

Trichlorofluoromethane
 Concen: 96.879 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

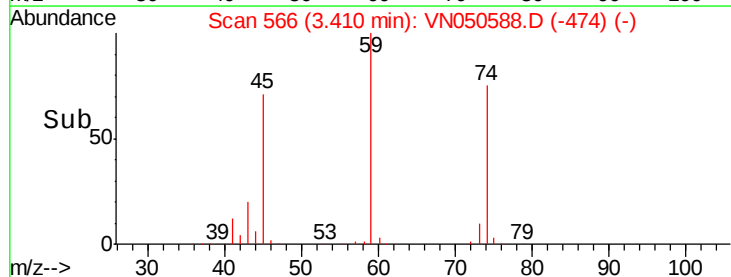
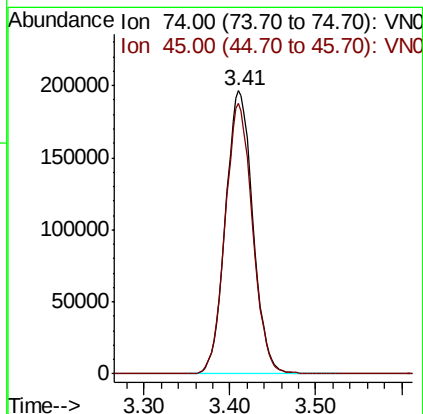
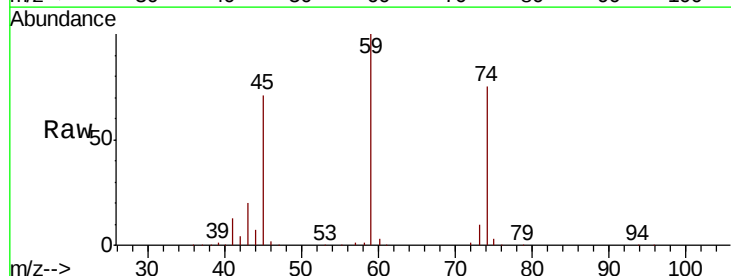
Tot Ion:101 Resp: 1224600
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.0

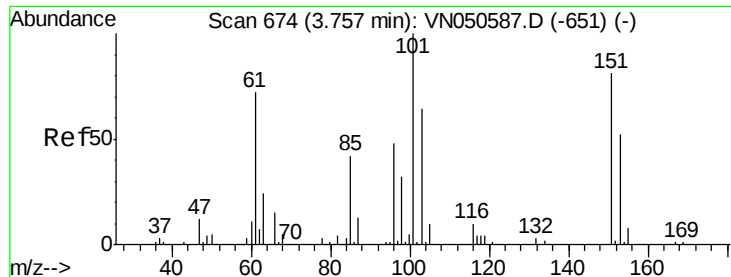


#8

Diethyl Ether
 Concen: 94.169 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 74 Resp: 432719
 Ion Ratio Lower Upper
 74 100
 45 95.6 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.897 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

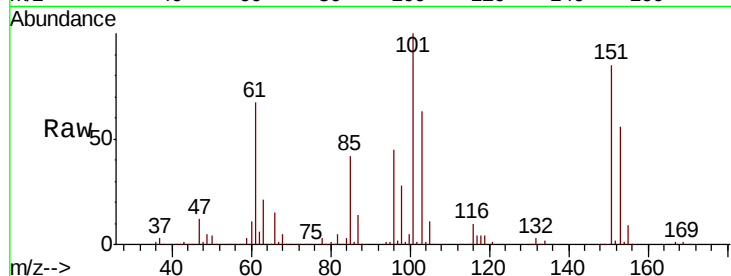
Tot Ion:101 Resp: 742001

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.0

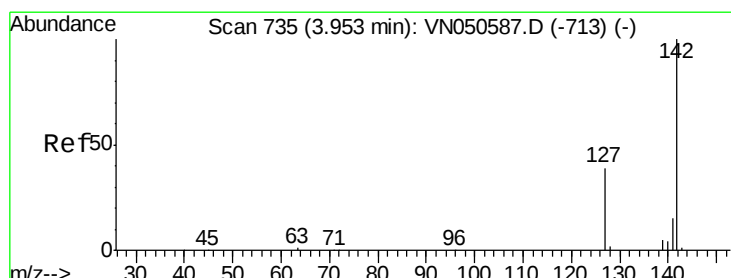
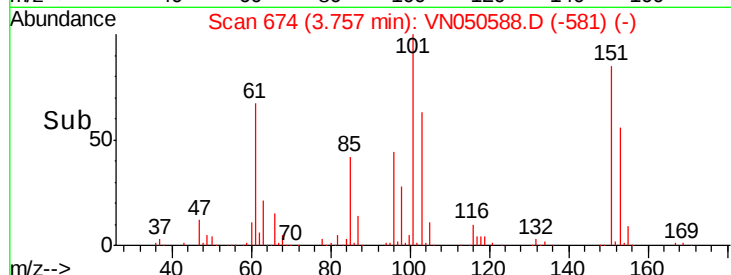
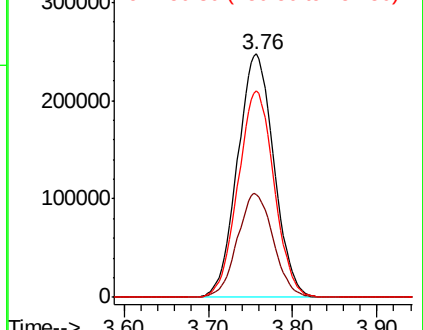
151 84.0 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 158.649 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

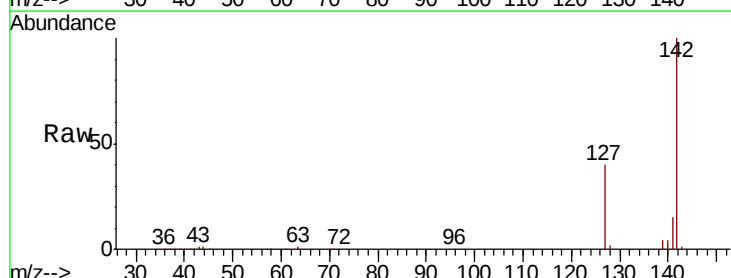
Tgt Ion:142 Resp: 599205

Ion Ratio Lower Upper

142 100

127 40.7 32.6 49.0

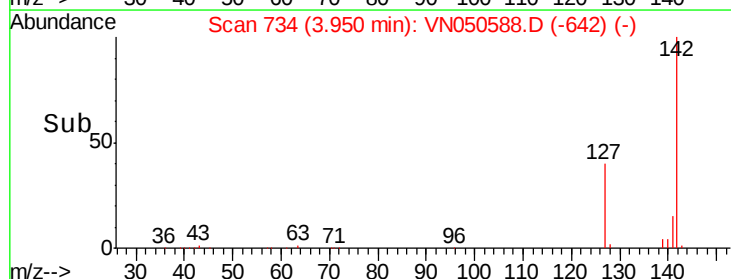
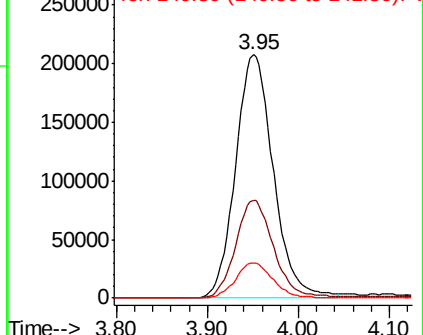
141 14.3 11.5 17.3

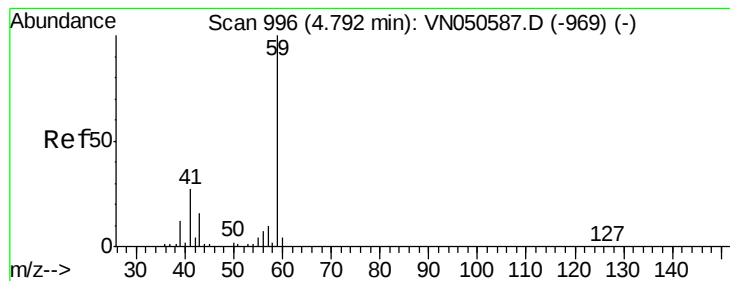


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



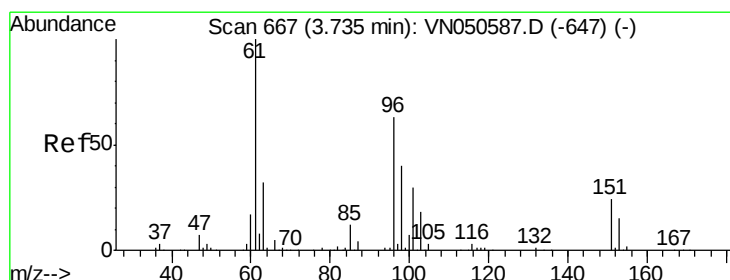
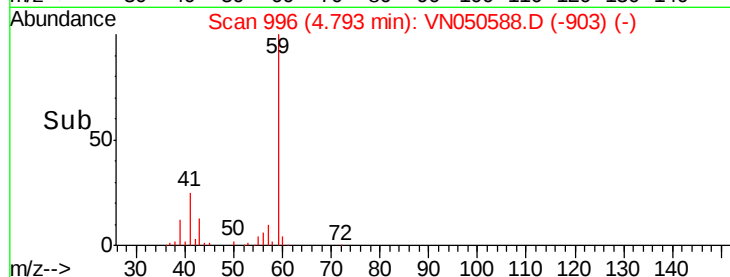
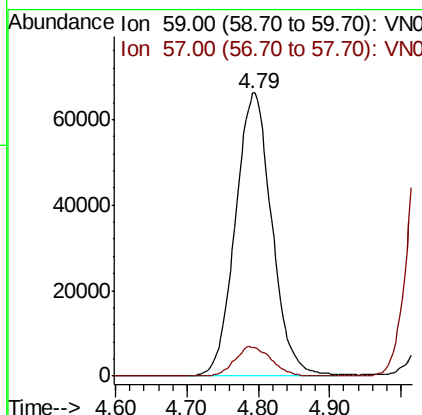
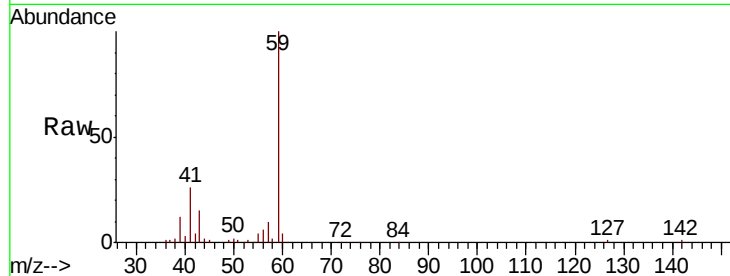


#11

Tert butyl alcohol
 Concen: 347.278 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

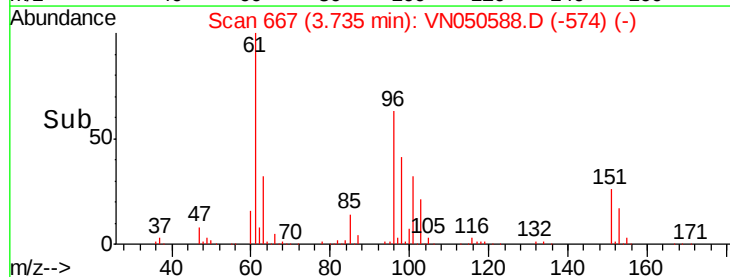
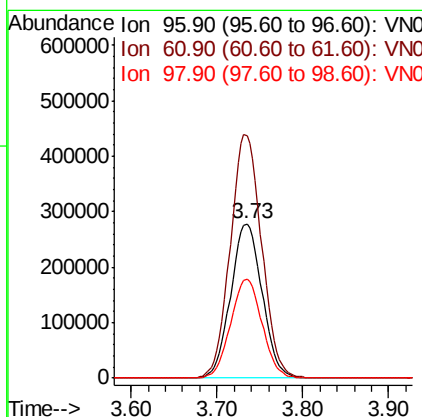
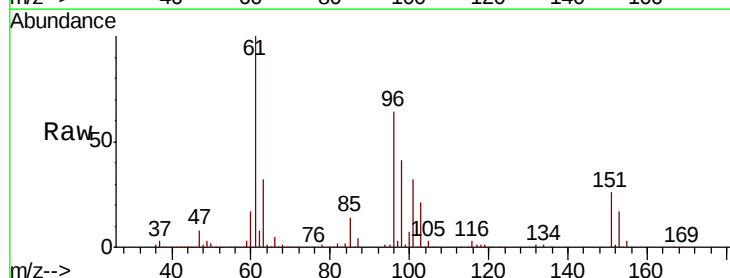
Tot Ion: 59 Resp: 235563
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.4 12.6

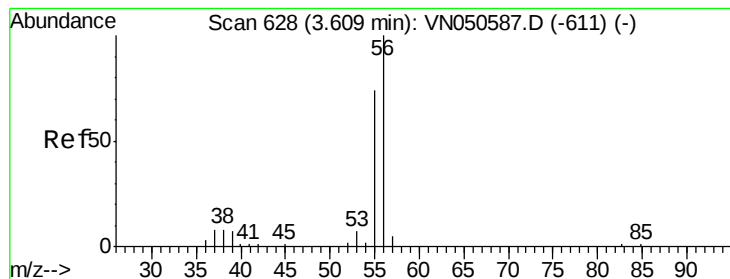


#12

1,1-Dichloroethene
 Concen: 96.145 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 96 Resp: 707211
 Ion Ratio Lower Upper
 96 100
 61 157.3 126.9 190.3
 98 64.5 51.1 76.7





#13

Acrolein

Concen: 119.838 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

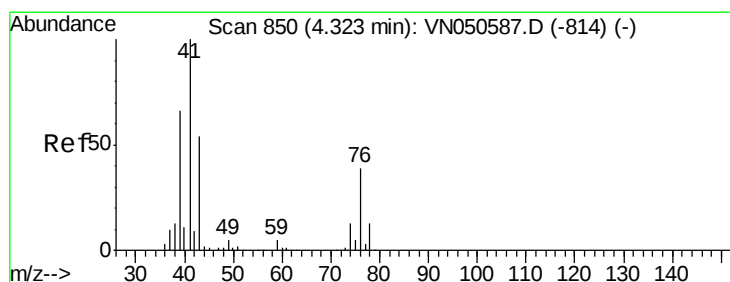
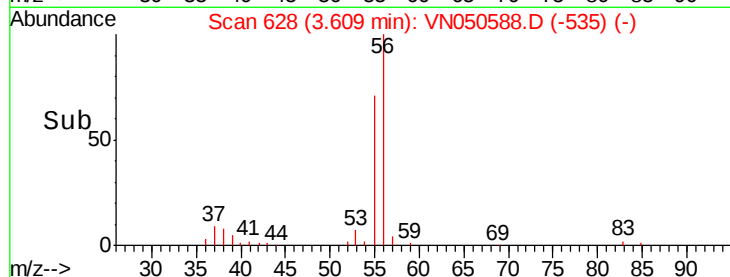
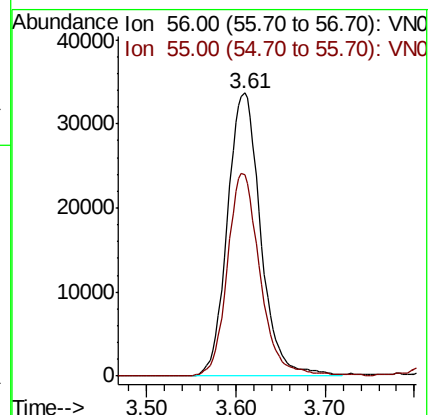
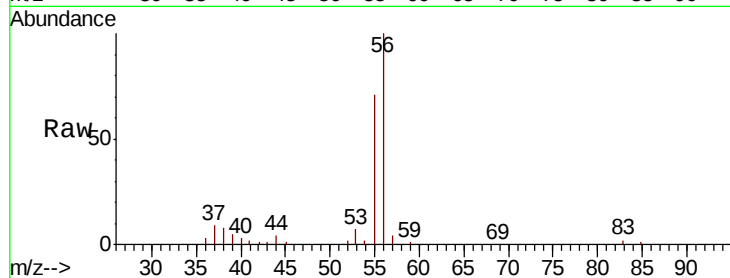
VSTDIC100

Tot Ion: 56 Resp: 86980

Ion Ratio Lower Upper

56 100

55 69.9 56.3 84.5



#14

Allyl chloride

Concen: 97.218 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

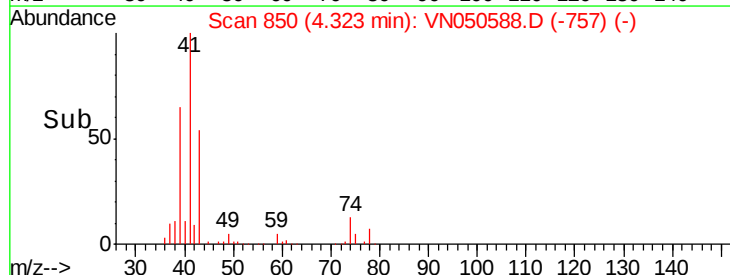
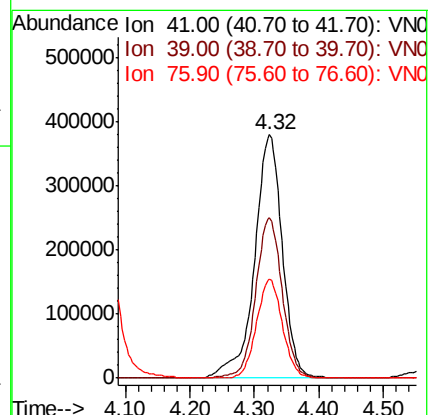
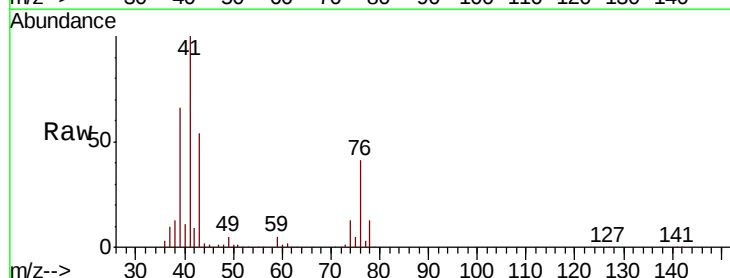
Tgt Ion: 41 Resp: 1139170

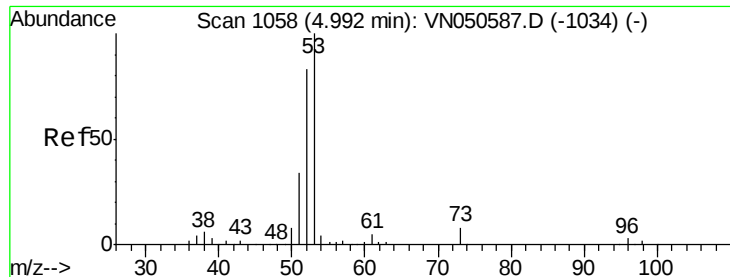
Ion Ratio Lower Upper

41 100

39 63.1 51.4 77.0

76 37.4 29.4 44.0





#15

Acrylonitrile

Concen: 427.643 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

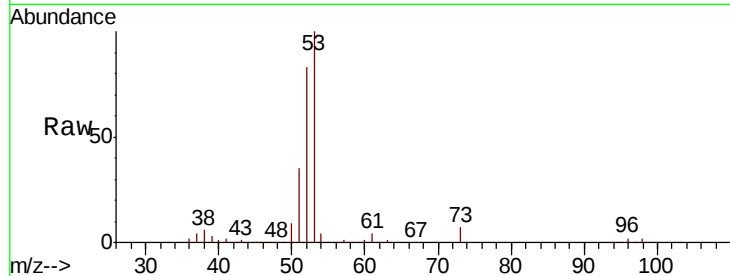
Tot Ion: 53 Resp: 1274390

Ion Ratio Lower Upper

53 100

52 82.5 66.2 99.2

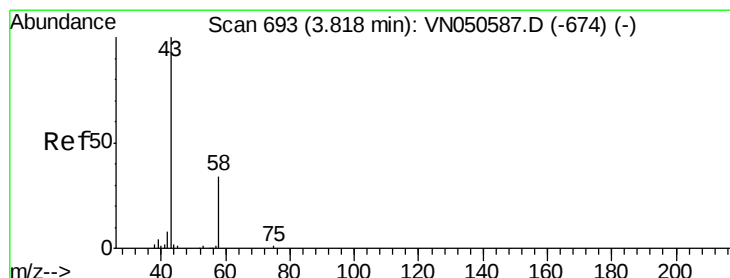
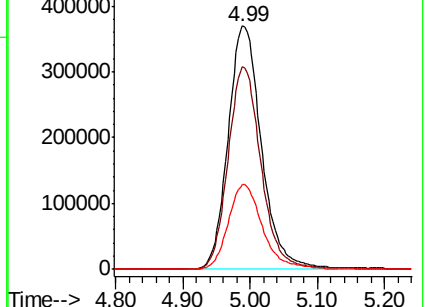
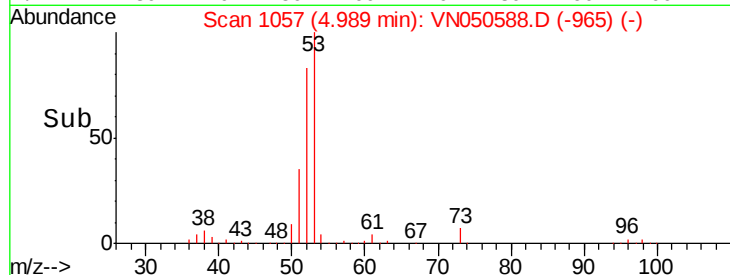
51 36.1 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050588.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN050588.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN050588.D (-965) (-)



#16

Acetone

Concen: 375.446 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050588.D

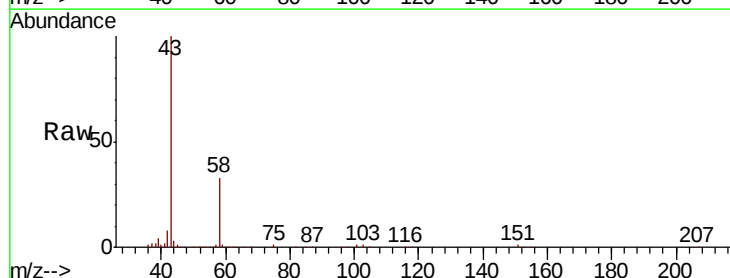
Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 1067616

Ion Ratio Lower Upper

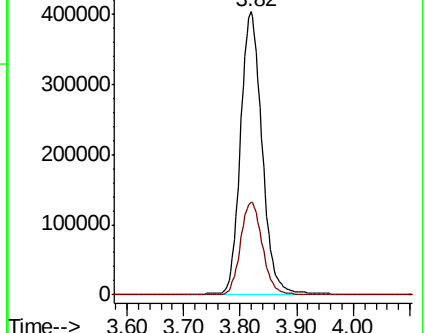
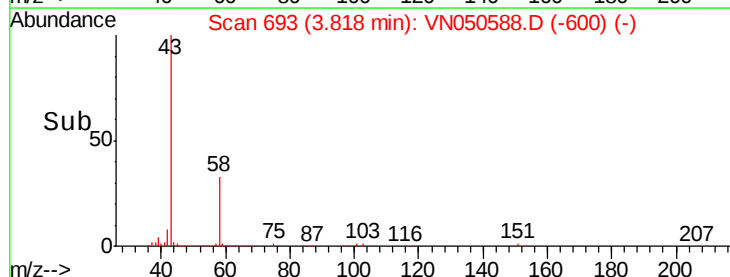
43 100

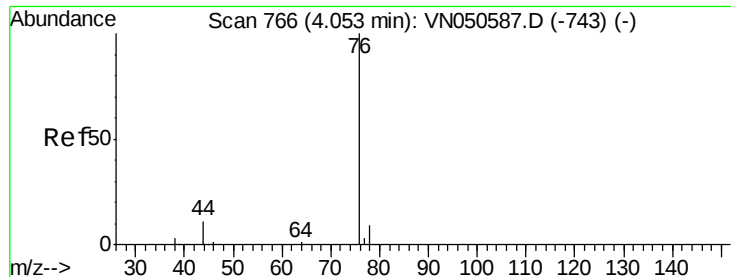
58 32.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050588.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050588.D (-600) (-)

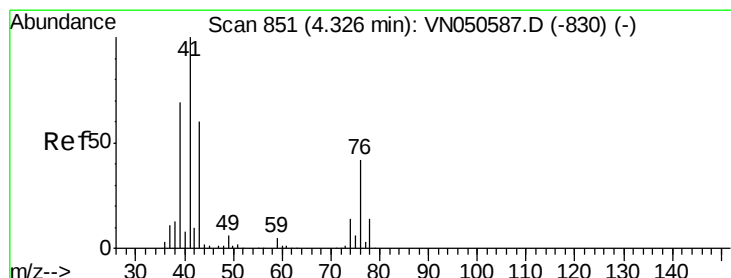
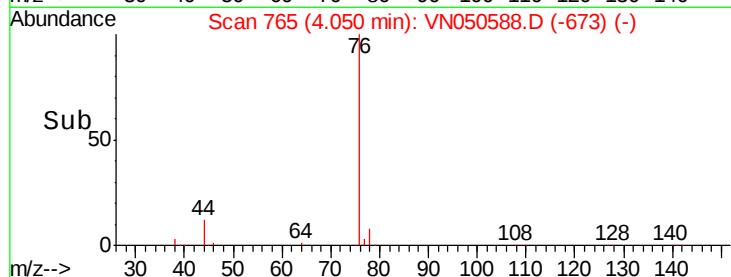
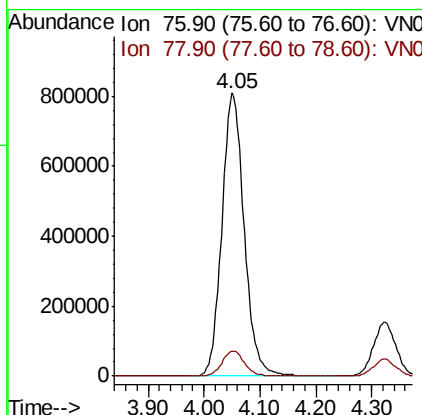
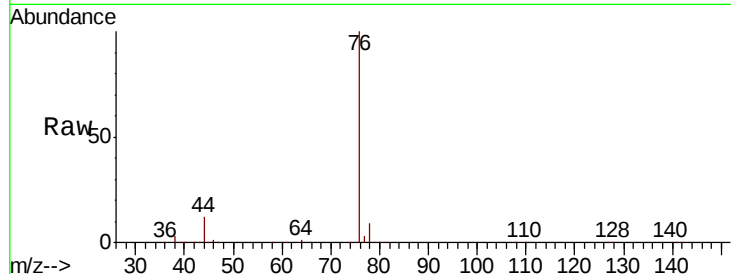




#17
Carbon Disulfide
Concen: 93.617 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

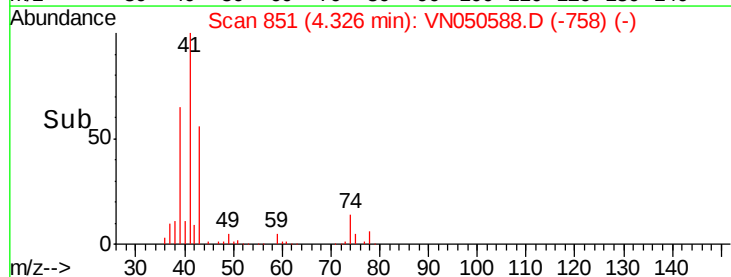
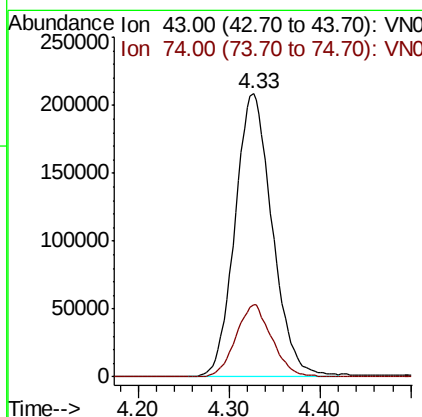
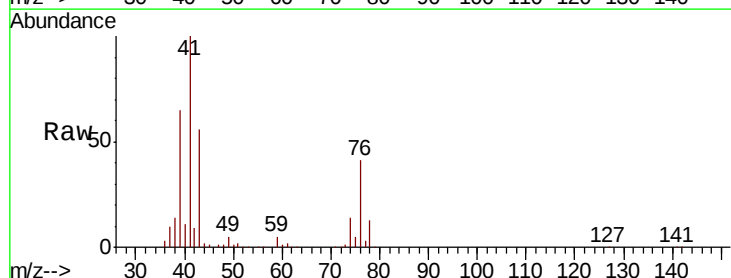
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

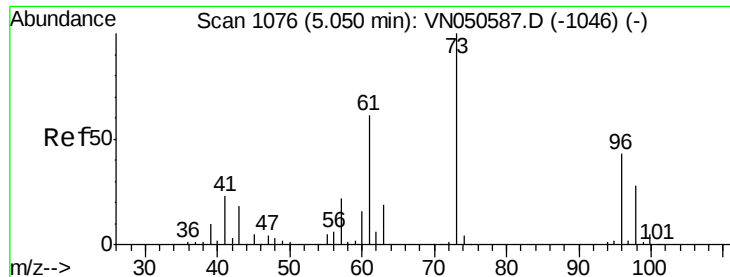
Tot Ion: 76 Resp: 2239777
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 72.669 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 589158
Ion Ratio Lower Upper
43 100
74 25.0 19.7 29.5

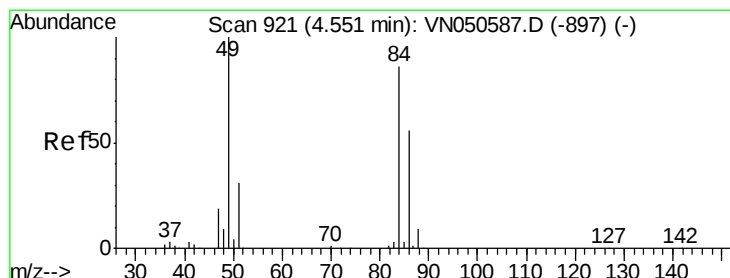
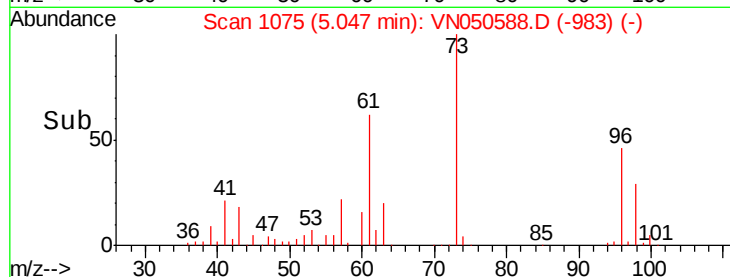
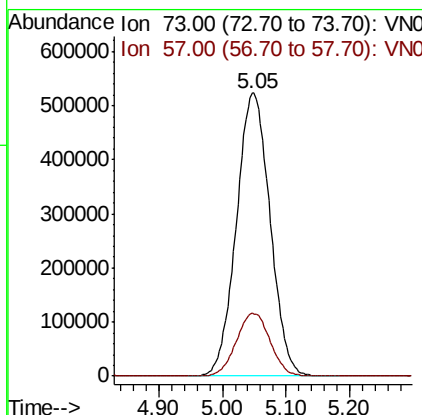
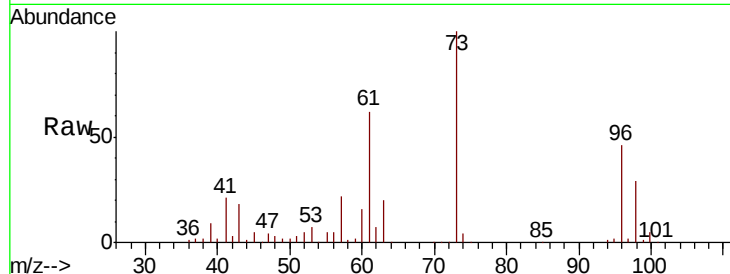




#19
Methyl tert-butyl Ether
Concen: 93.753 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

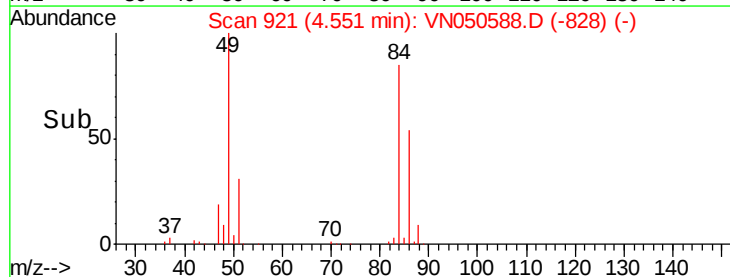
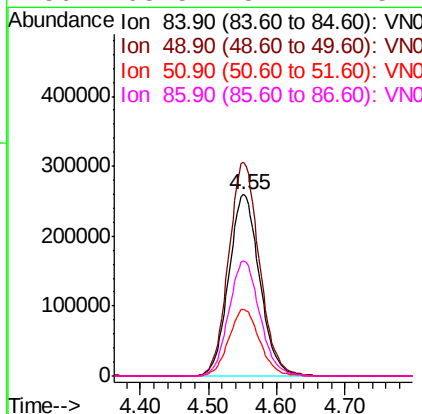
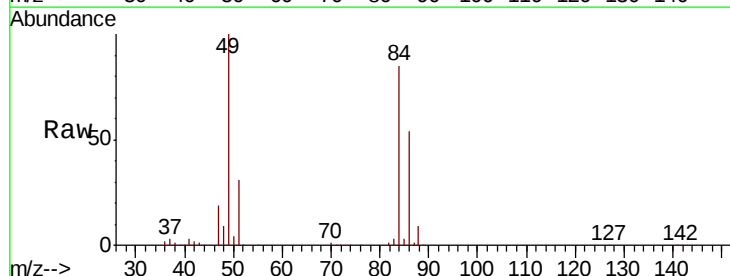
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

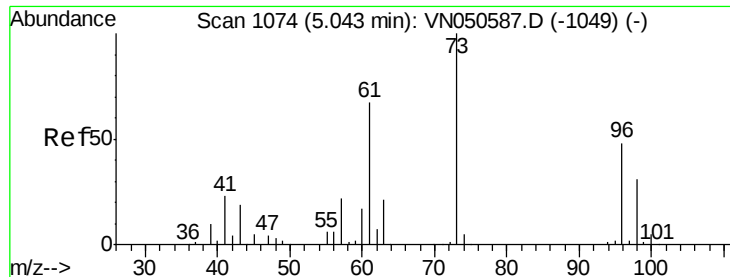
Tot Ion: 73 Resp: 1923283
Ion Ratio Lower Upper
73 100
57 22.2 17.9 26.9



#20
Methylene Chloride
Concen: 80.383 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 84 Resp: 813770
Ion Ratio Lower Upper
84 100
49 117.8 92.6 138.8
51 36.6 28.6 43.0
86 63.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 97.705 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

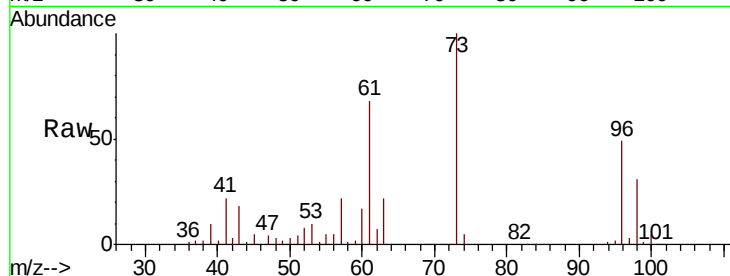
Tot Ion: 96 Resp: 777271

Ion Ratio Lower Upper

96 100

61 138.3 111.2 166.8

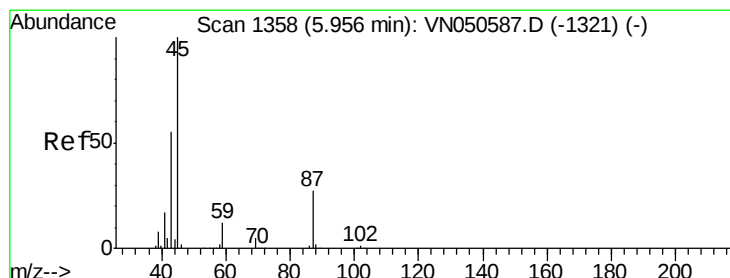
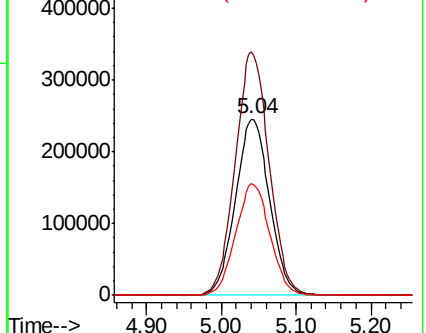
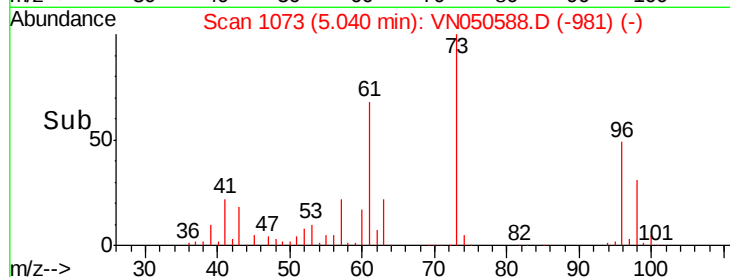
98 63.2 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN050588.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN050588.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN050588.D (-981) (-)



#22

Diisopropyl ether

Concen: 100.595 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tgt Ion: 45 Resp: 2418591

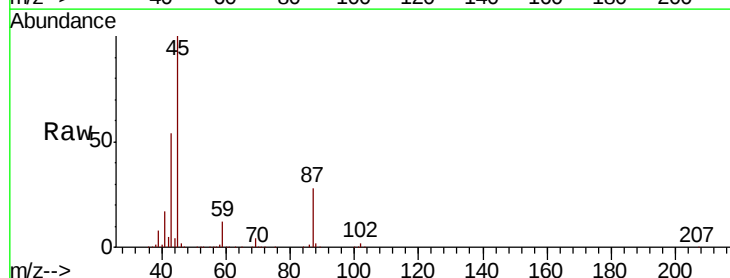
Ion Ratio Lower Upper

45 100

43 53.8 44.5 66.7

87 28.2 22.2 33.2

59 11.9 9.5 14.3

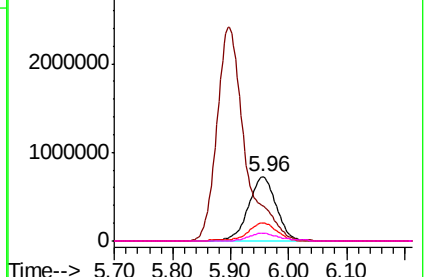
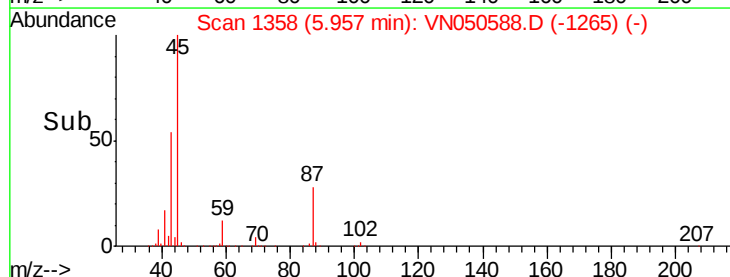


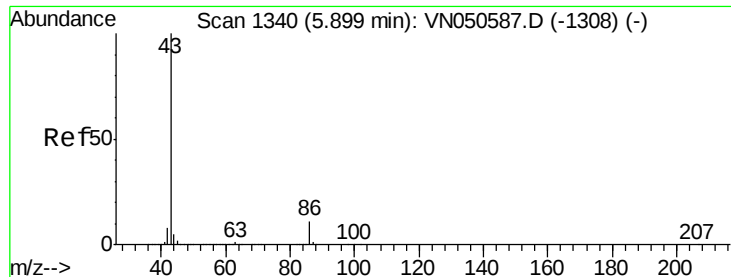
Abundance Ion 45.00 (44.70 to 45.70): VN050588.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN050588.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN050588.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN050588.D (-1265) (-)





#23

Vinyl Acetate

Concen: 481.973 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

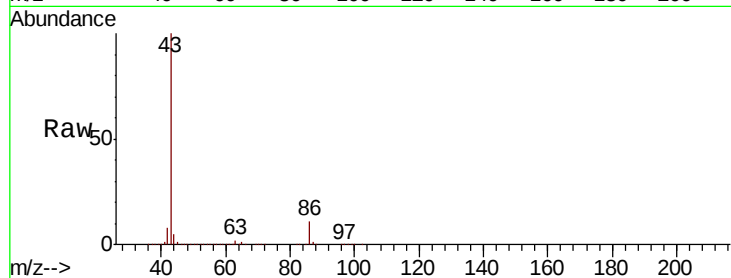
VSTDIC100

Tot Ion: 43 Resp: 8138272

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050588.D (-1339) (-)

Ion 86.00 (85.70 to 86.70): VN050588.D (-1339) (-)

5.90

2500000

2000000

1500000

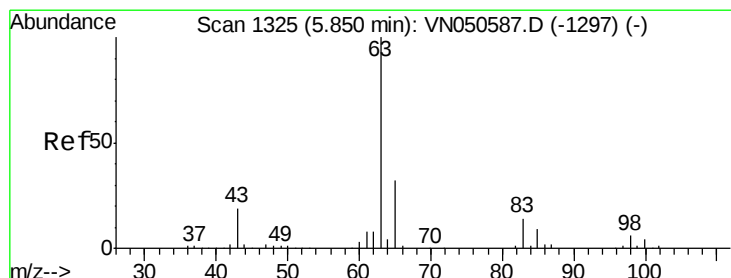
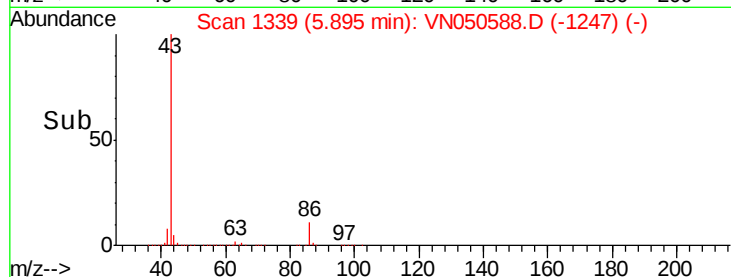
1000000

500000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 96.586 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

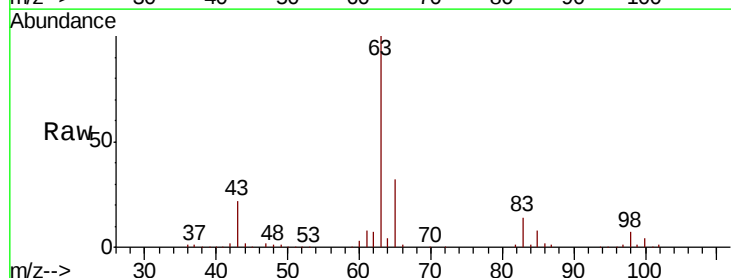
Tgt Ion: 63 Resp: 1429458

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050588.D (-1325) (-)

Ion 97.90 (97.60 to 98.60): VN050588.D (-1325) (-)

Ion 99.90 (99.60 to 100.60): VN050588.D (-1325) (-)

600000

500000

400000

300000

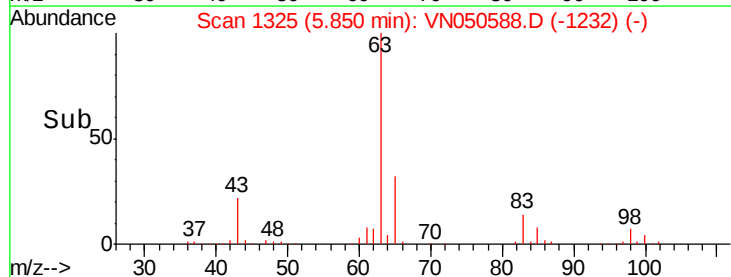
200000

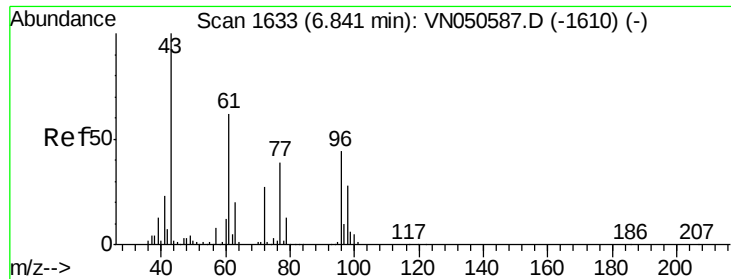
100000

0

Time-->

5.70 5.80 5.90 6.00

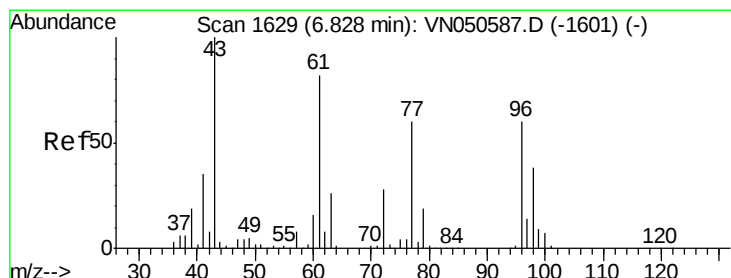
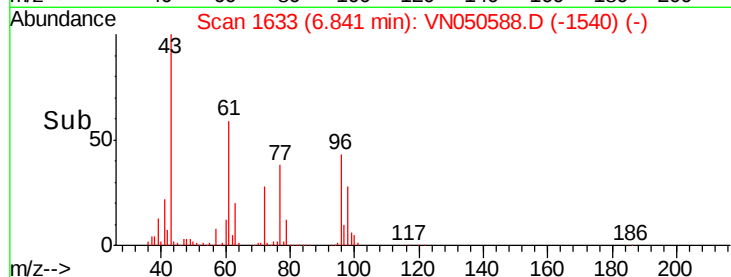
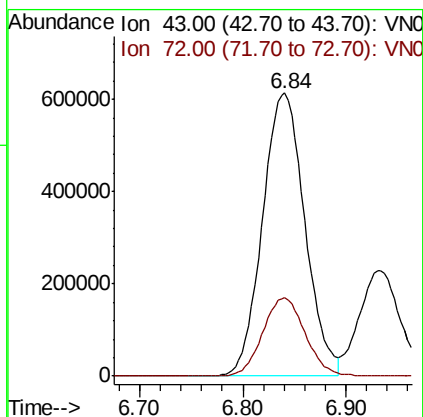
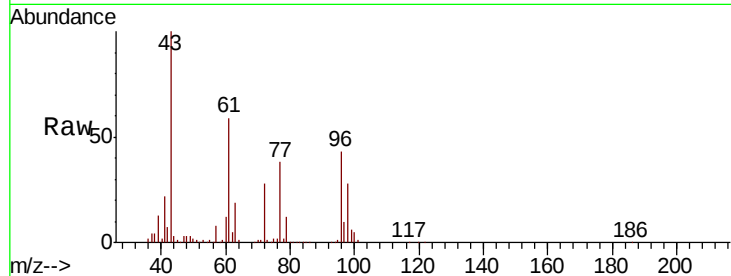




#25
 2-Butanone
 Concen: 403.535 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

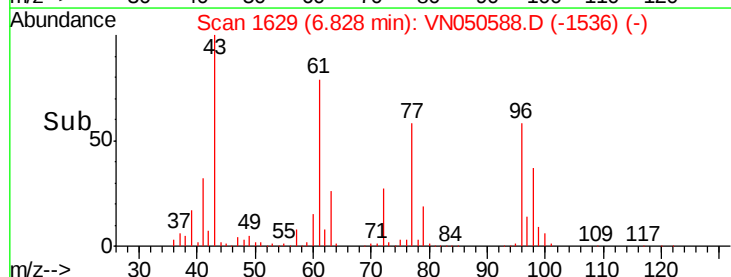
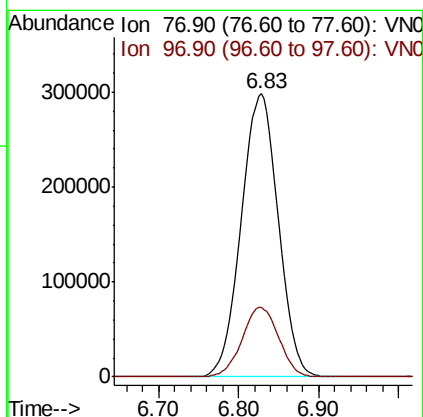
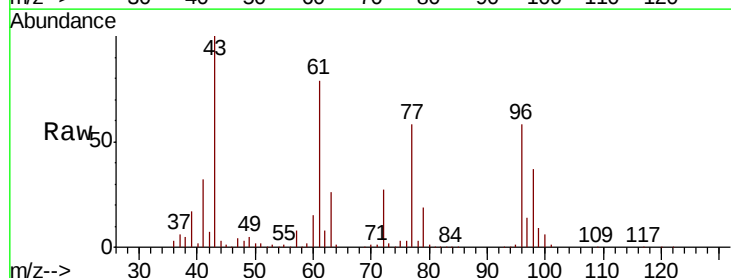
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

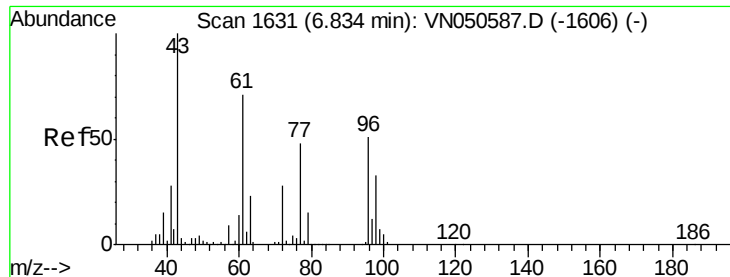
Tot Ion: 43 Resp: 1746630
 Ion Ratio Lower Upper
 43 100
 72 27.6 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 79.250 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 77 Resp: 937581
 Ion Ratio Lower Upper
 77 100
 97 24.3 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 99.337 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

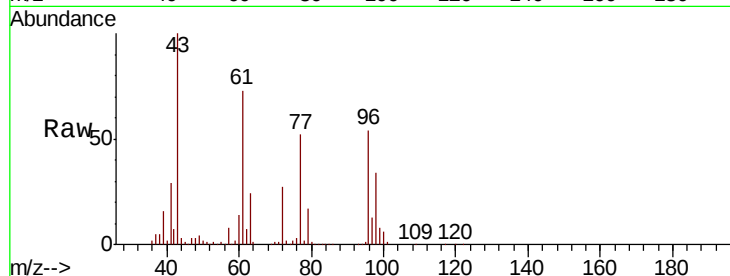
Tot Ion: 96 Resp: 874509

Ion Ratio Lower Upper

96 100

61 138.6 0.0 278.2

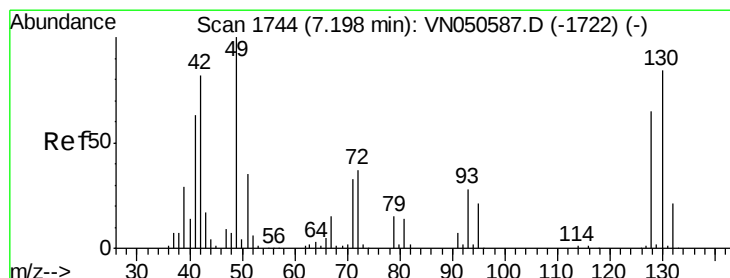
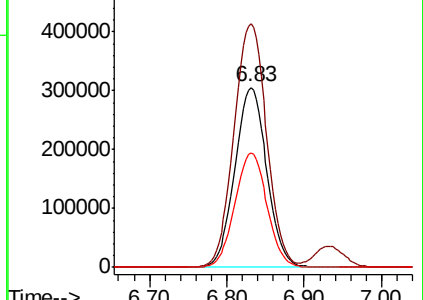
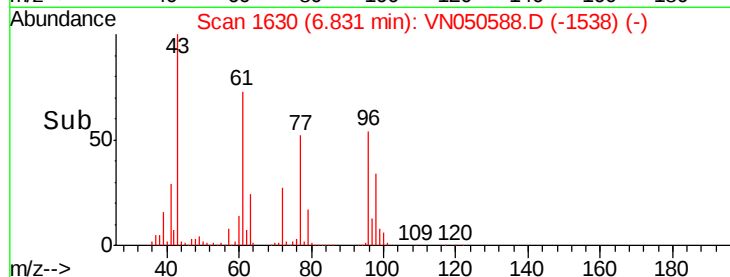
98 64.0 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VN050588.D (-1538) (-)

Ion 60.90 (60.60 to 61.60): VN050588.D (-1538) (-)

Ion 97.90 (97.60 to 98.60): VN050588.D (-1538) (-)



#28

Bromochloromethane

Concen: 99.709 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

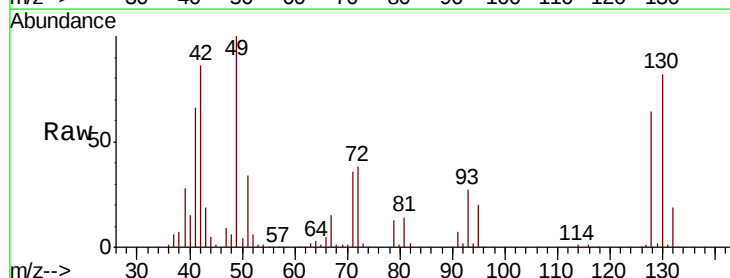
Tgt Ion: 49 Resp: 680226

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

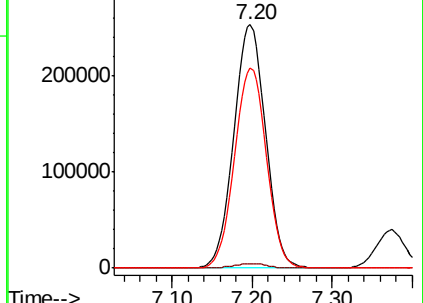
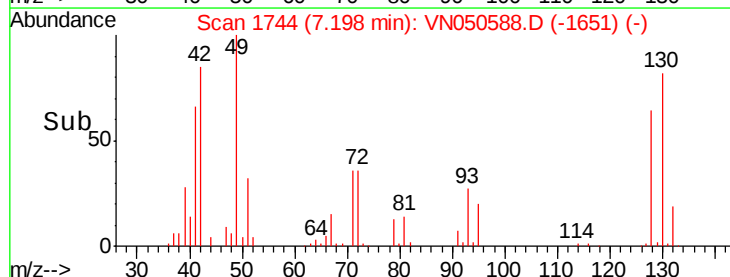
130 82.5 66.8 100.2

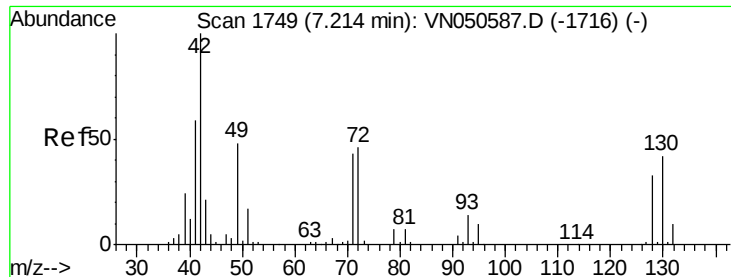


Abundance Ion 48.90 (48.60 to 49.60): VN050588.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050588.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050588.D (-1651) (-)

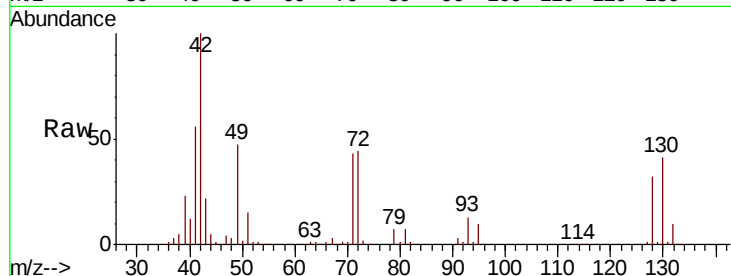




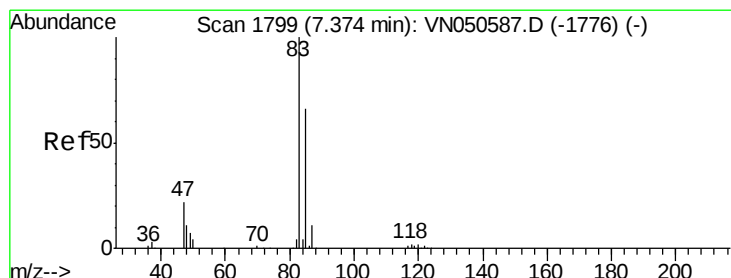
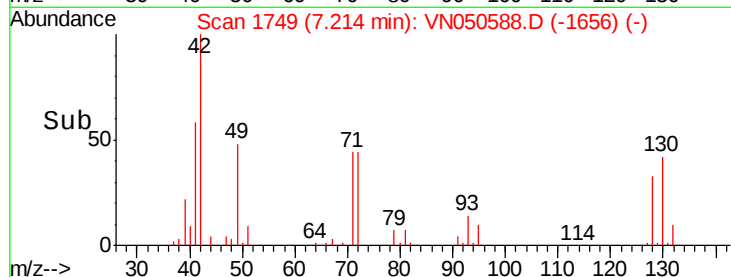
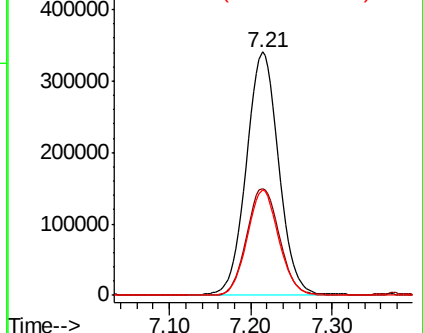
#29
Tetrahydrofuran
Concen: 399.701 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 928065
Ion Ratio Lower Upper
42 100
72 44.6 35.8 53.6
71 42.4 33.4 50.0

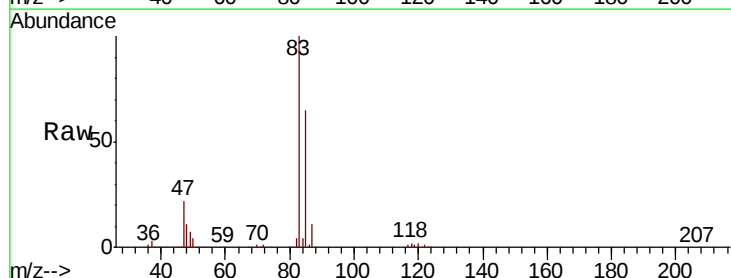


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

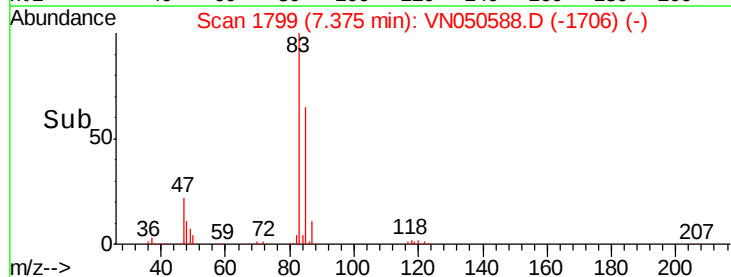
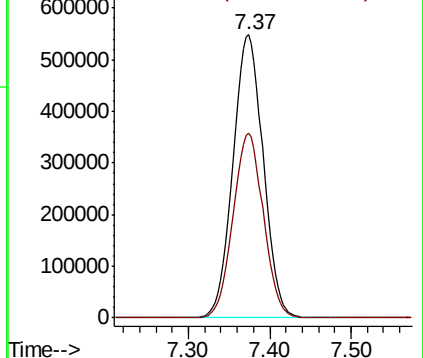


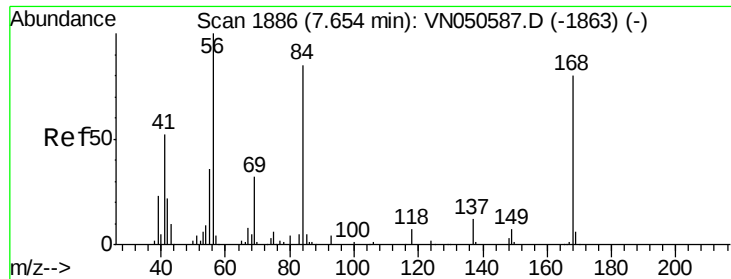
#30
Chloroform
Concen: 95.652 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 83 Resp: 1414838
Ion Ratio Lower Upper
83 100
85 65.5 52.5 78.7



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





#31

Cyclohexane

Concen: 88.374 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

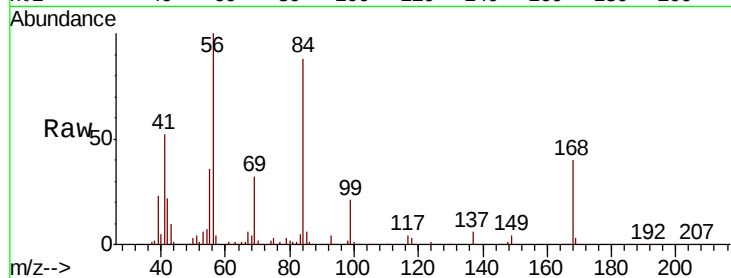
Tot Ion: 56 Resp: 1309725

Ion Ratio Lower Upper

56 100

69 31.5 25.8 38.6

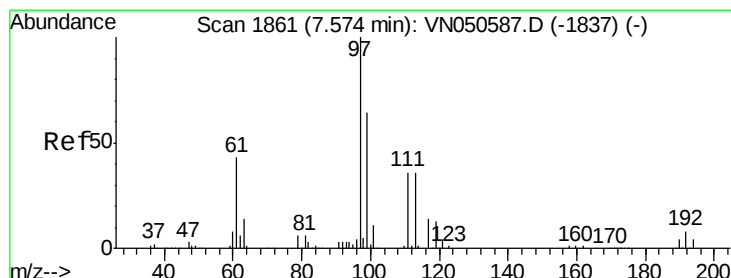
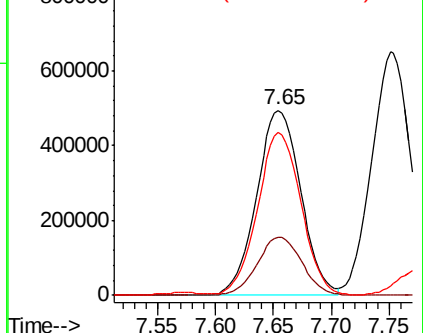
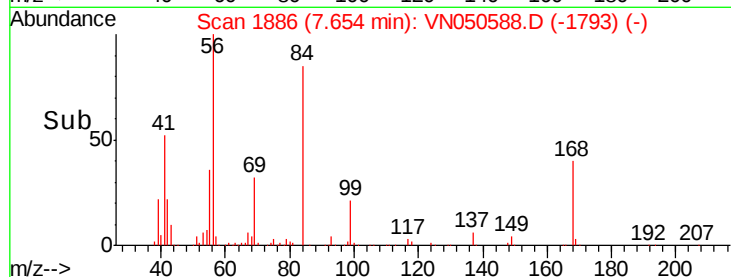
84 86.3 67.8 101.6



Abundance Ion 56.00 (55.70 to 56.70): VN050588.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050588.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050588.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 96.753 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

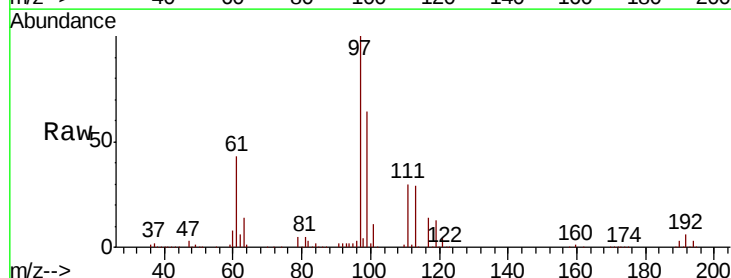
Tgt Ion: 97 Resp: 1228980

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

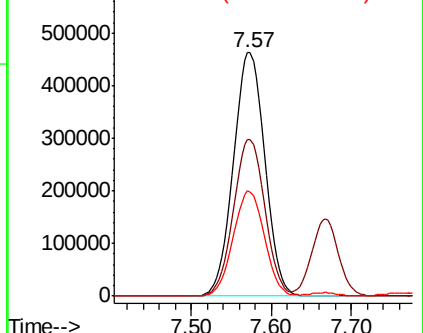
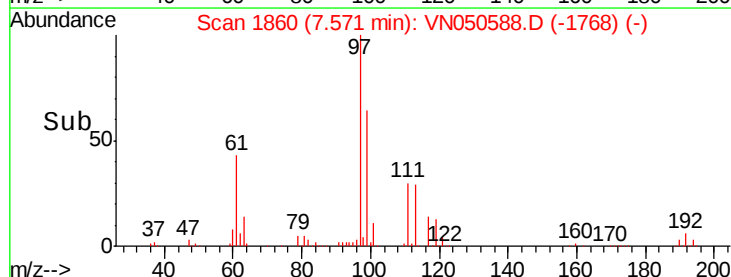
61 43.1 34.8 52.2

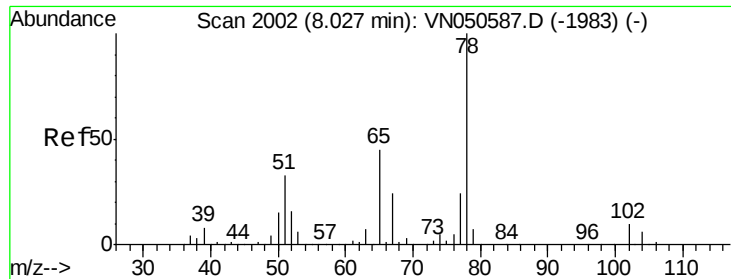


Abundance Ion 96.90 (96.60 to 97.60): VN050588.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN050588.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN050588.D (-1768) (-)

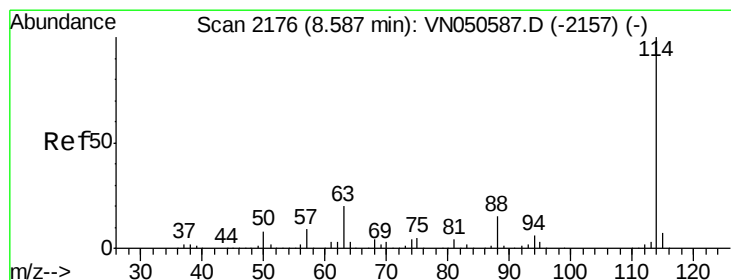
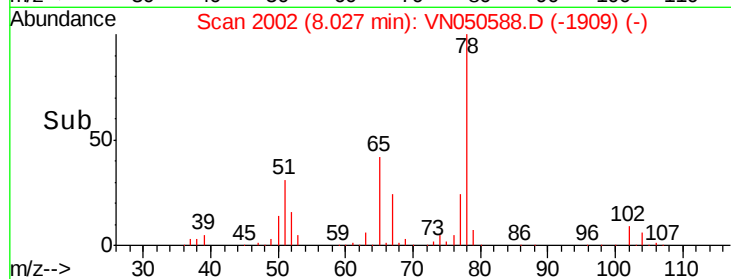
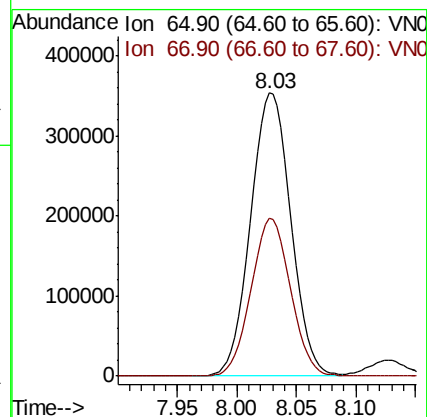
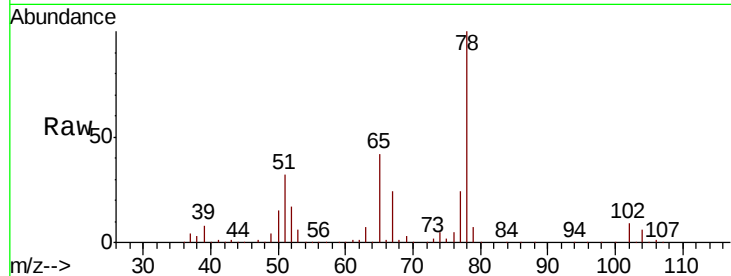




#33
 1,2-Dichloroethane-d4
 Concen: 91.920 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

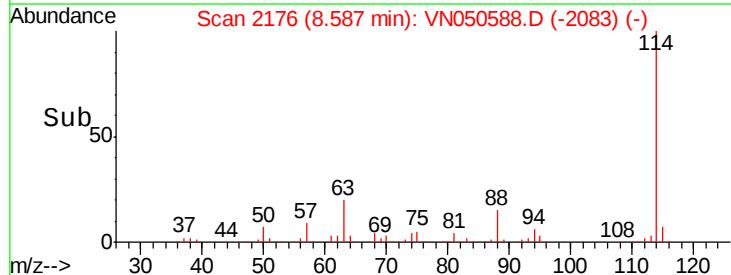
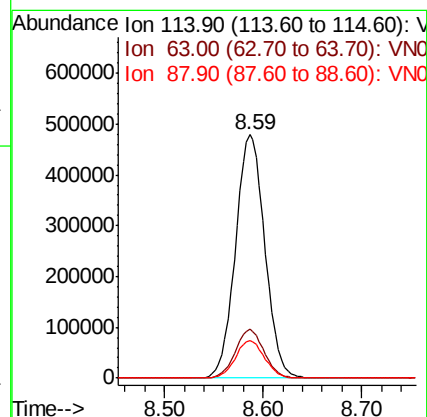
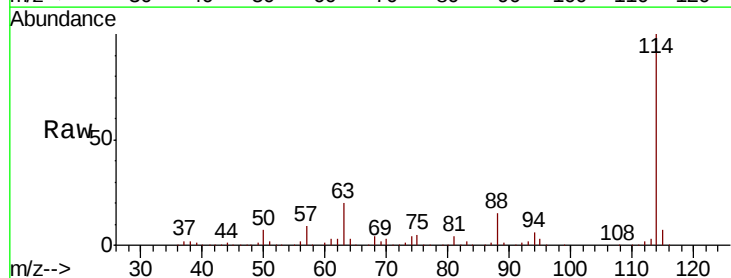
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

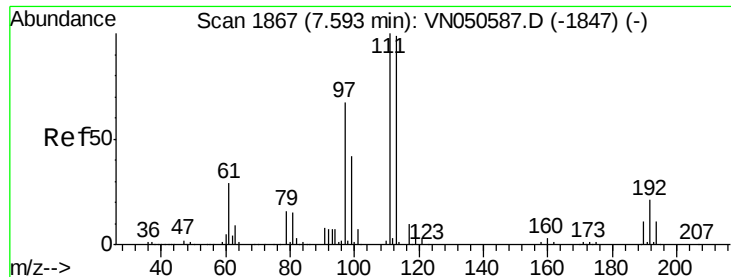
Tot Ion: 65 Resp: 829902
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 114 Resp: 988476
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.2 0.0 30.8

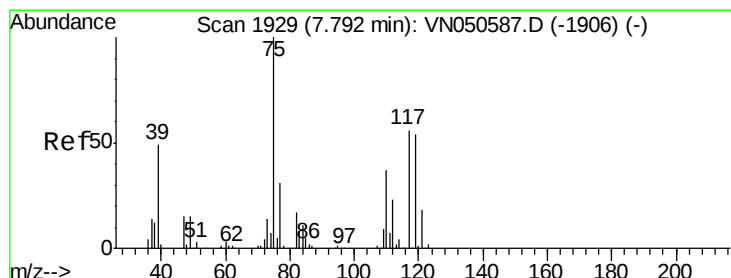
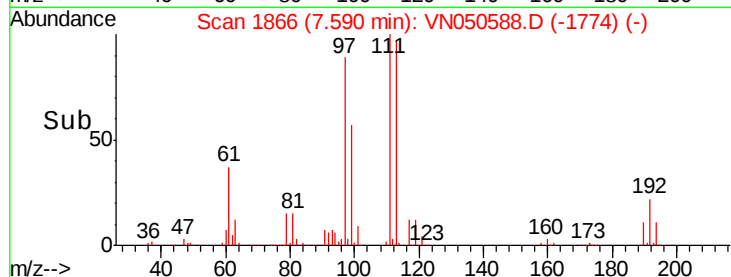
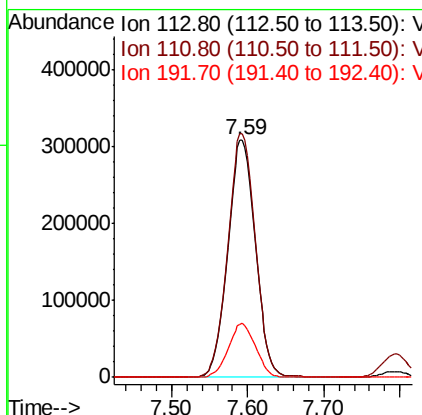
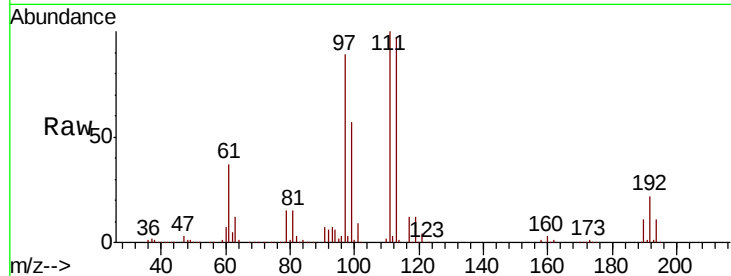




#35
 Dibromofluoromethane
 Concen: 98.074 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

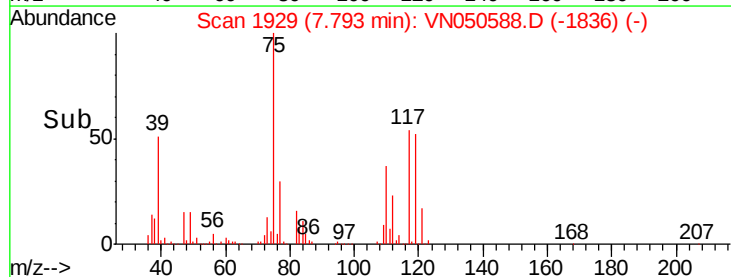
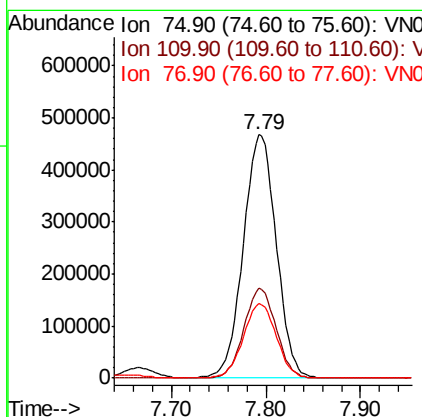
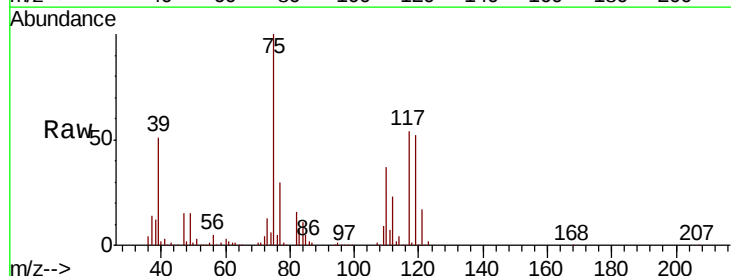
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

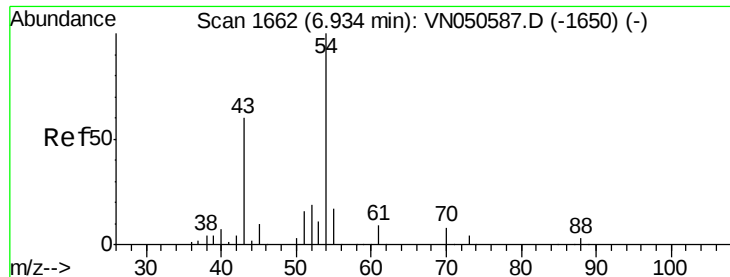
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.0	121.6
192	22.4	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 104.045 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	30.8	25.0	37.4

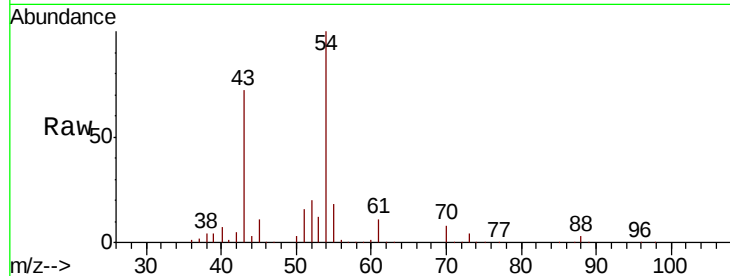




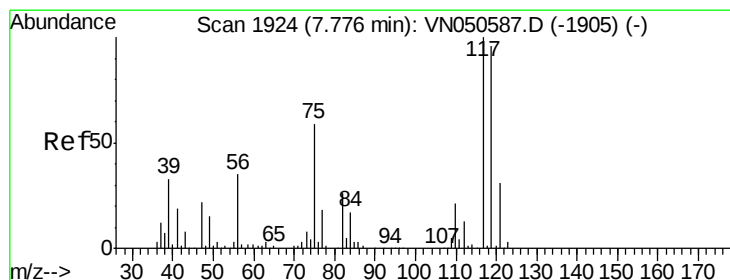
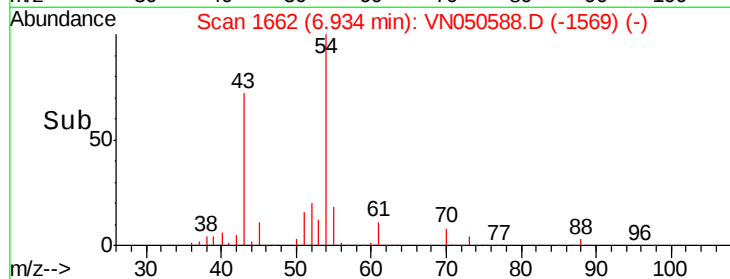
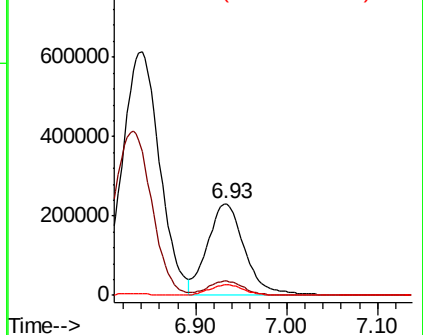
#37
Ethyl Acetate
Concen: 85.930 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 644980
Ion Ratio Lower Upper
43 100
61 14.8 12.0 18.0
70 10.9 8.5 12.7

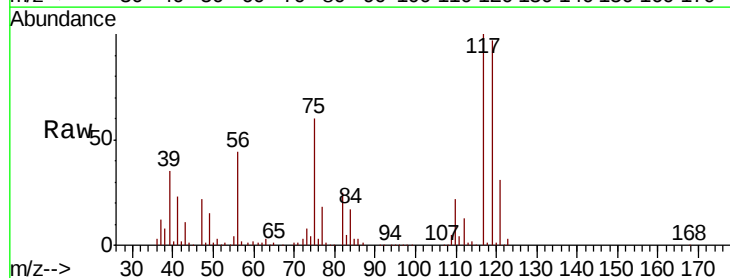


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

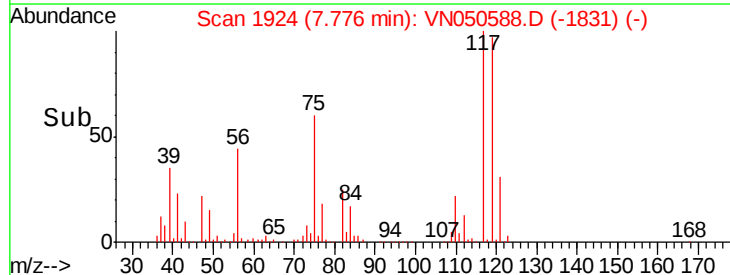
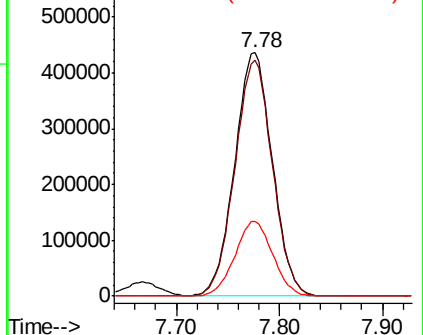


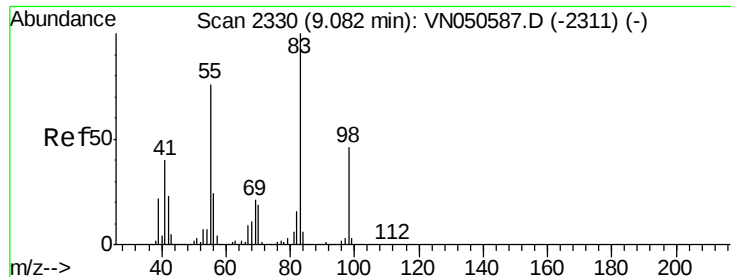
#38
Carbon Tetrachloride
Concen: 97.746 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 117 Resp: 1105787
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 30.6 25.0 37.6



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

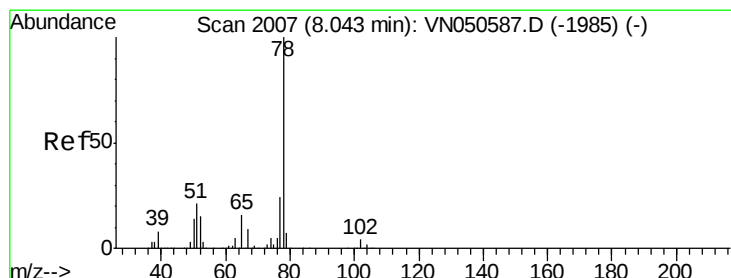
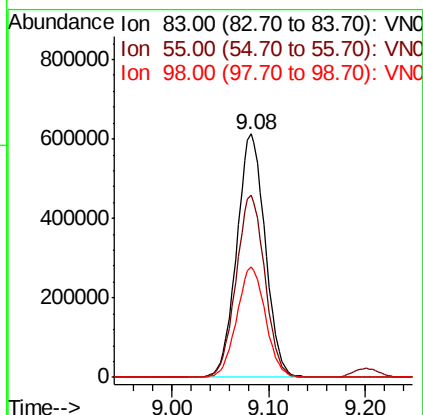
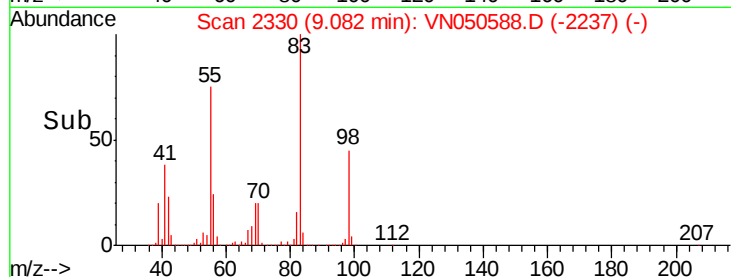
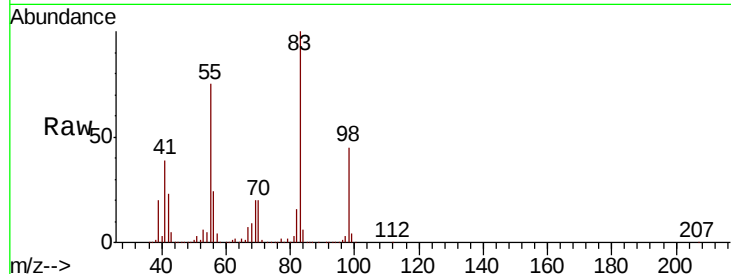




#39
Methvlcvclohexane
Concen: 105.562 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

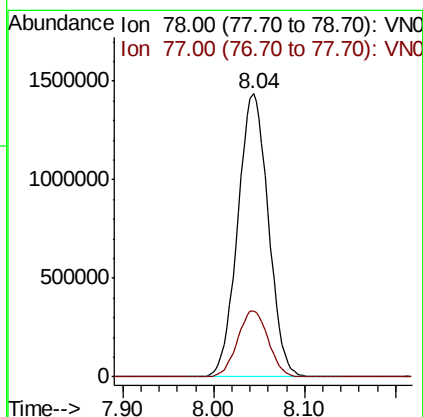
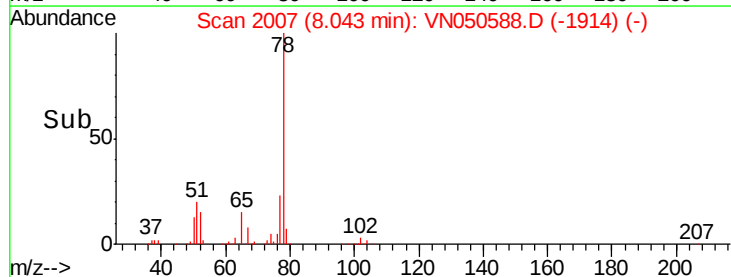
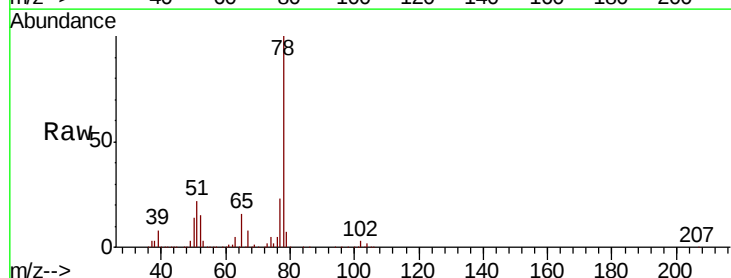
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

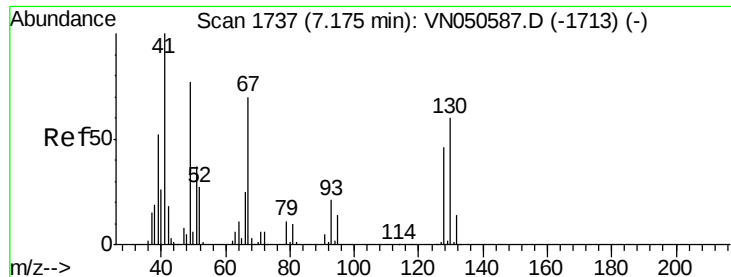
Tot Ion: 83 Resp: 1248983
Ion Ratio Lower Upper
83 100
55 74.9 60.6 91.0
98 45.3 37.0 55.4



#40
Benzene
Concen: 100.461 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 78 Resp: 3354198
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.6

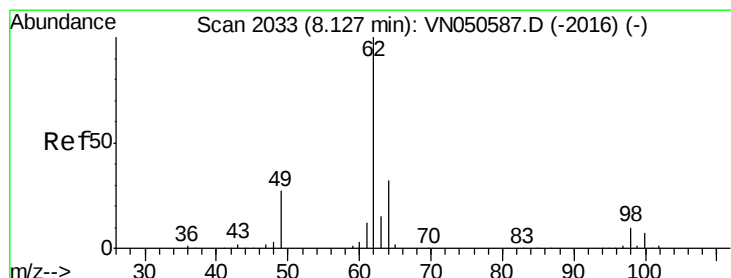
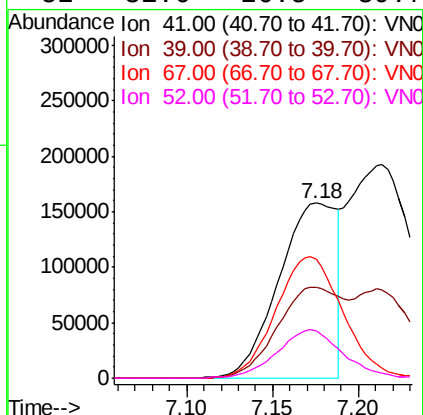
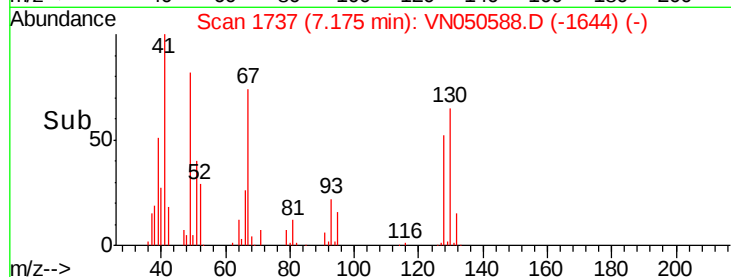
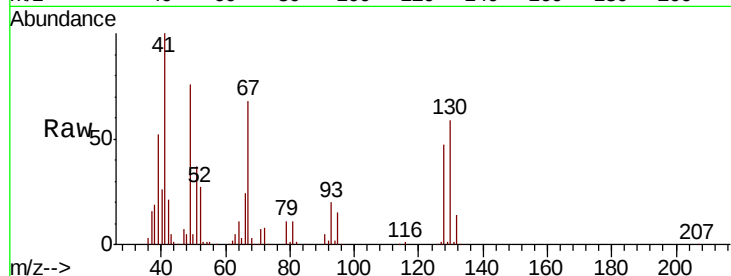




#41
Methacrylonitrile
Concen: 91.081 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

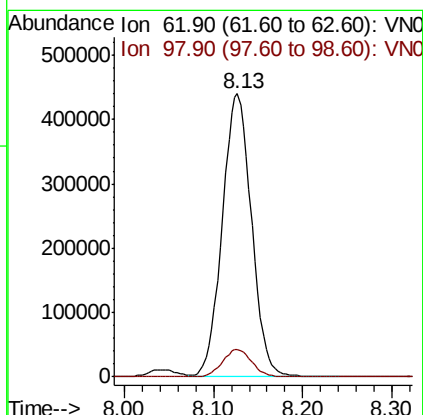
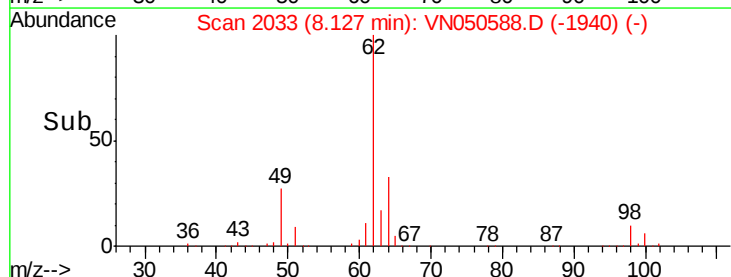
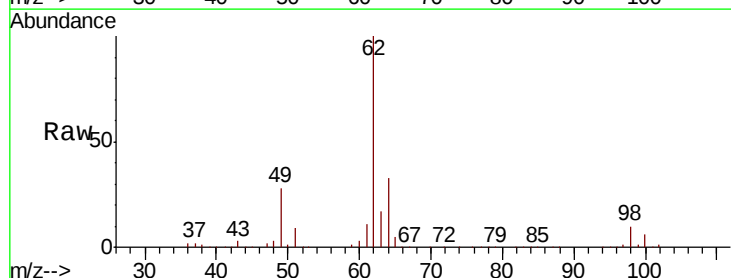
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

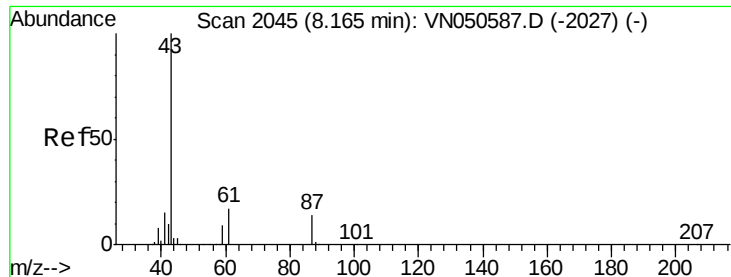
Tot Ion: 41 Resp: 369121
Ion Ratio Lower Upper
41 100
39 59.6 44.6 66.8
67 80.9 66.7 100.1
52 31.6 26.5 39.7



#42
1,2-Dichloroethane
Concen: 94.844 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 62 Resp: 995943
Ion Ratio Lower Upper
62 100
98 9.7 0.0 19.4





#43

Isopropyl Acetate

Concen: 87.346 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

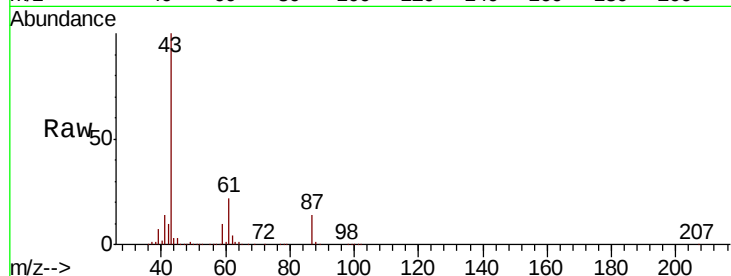
Tot Ion: 43 Resp: 1144261

Ion Ratio Lower Upper

43 100

61 30.6 16.2 24.2#

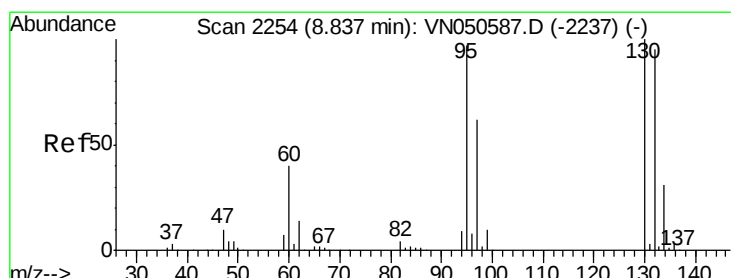
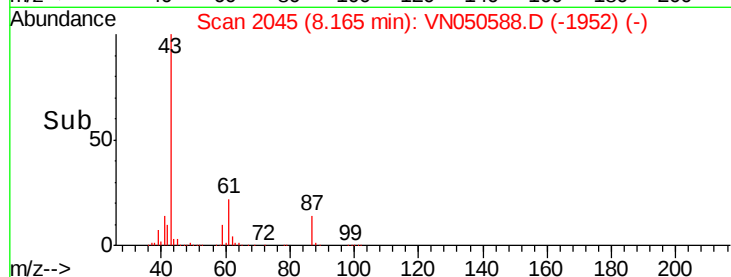
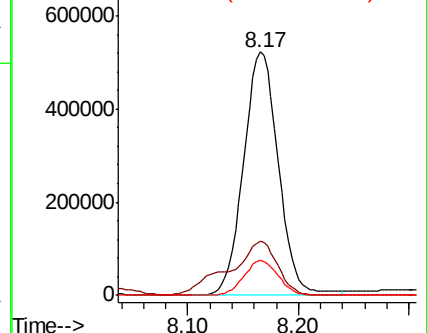
87 14.0 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN050588.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050588.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050588.D (-1952) (-)



#44

Trichloroethene

Concen: 98.045 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050588.D

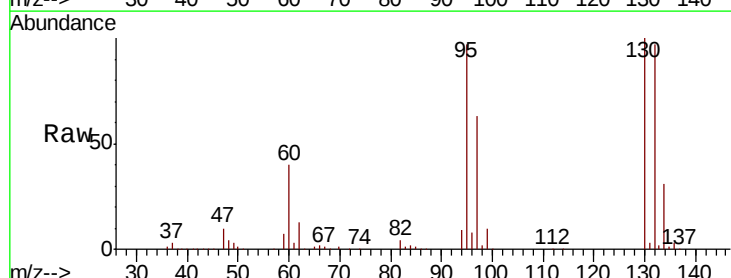
Acq: 14 Aug 2018 1:24

Tgt Ion: 130 Resp: 880452

Ion Ratio Lower Upper

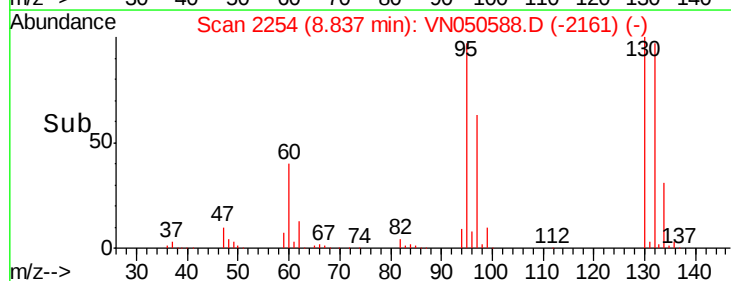
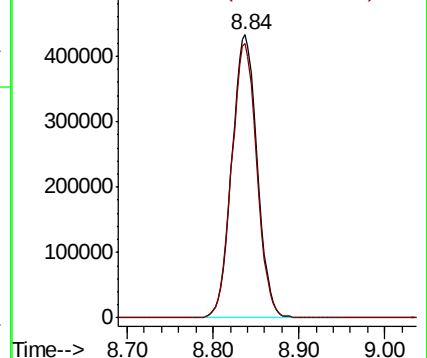
130 100

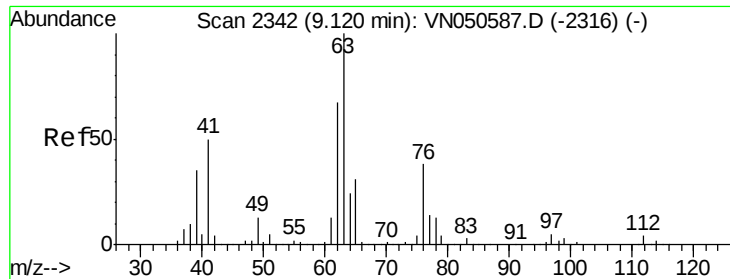
95 97.0 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050588.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050588.D (-2161) (-)

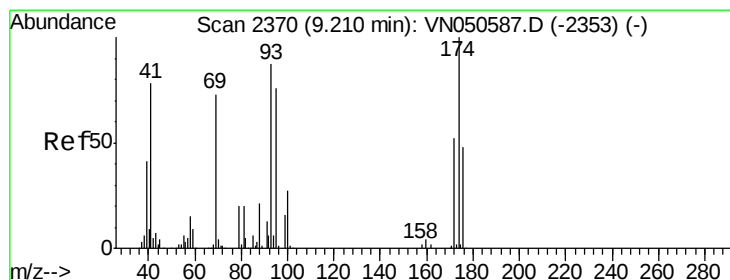
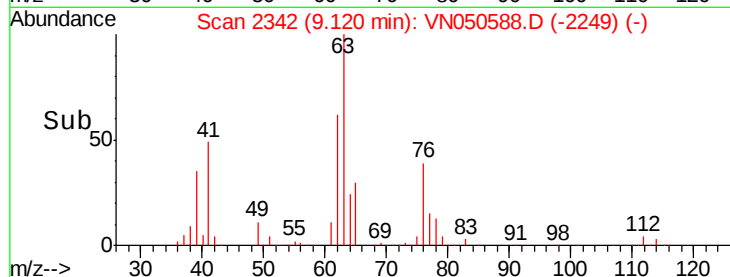
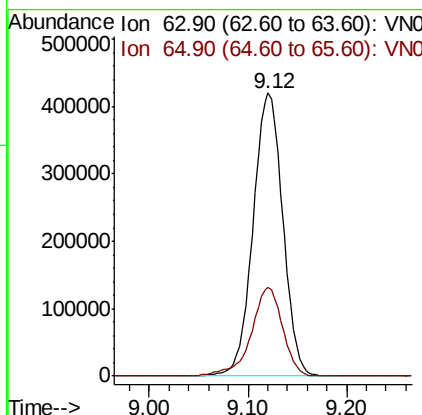
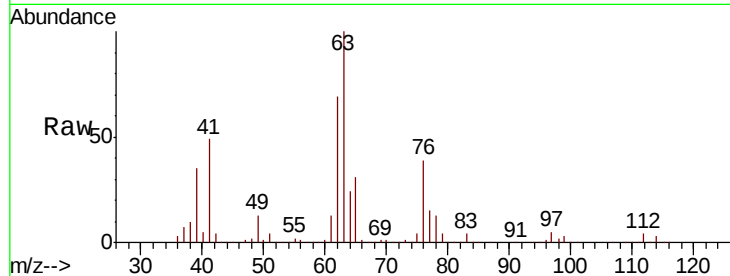




#45
 1,2-Dichloropropane
 Concen: 99.287 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

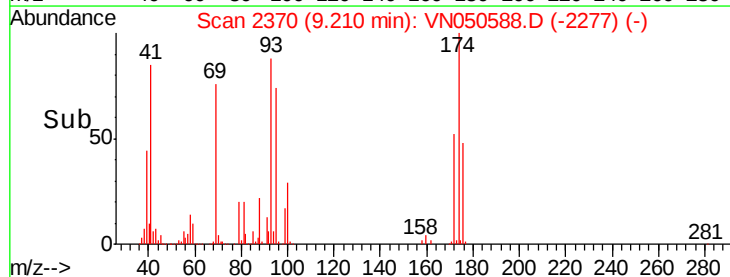
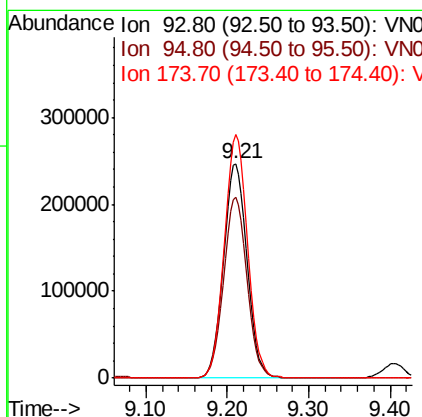
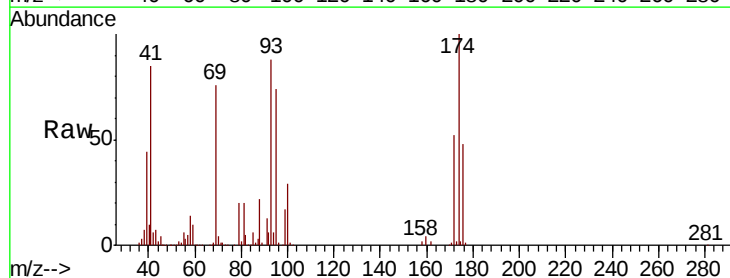
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

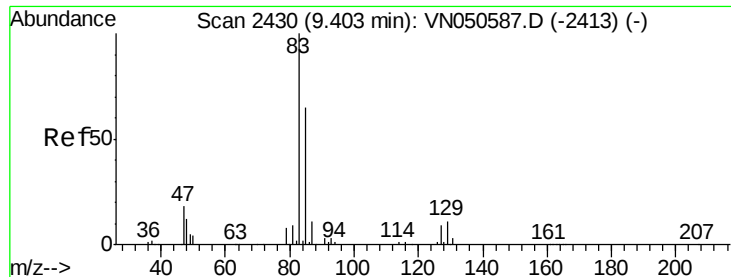
Tot Ion: 63 Resp: 871094
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.5 36.7



#46
 Dibromomethane
 Concen: 94.462 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 93 Resp: 506228
 Ion Ratio Lower Upper
 93 100
 95 84.1 69.1 103.7
 174 112.1 91.0 136.6

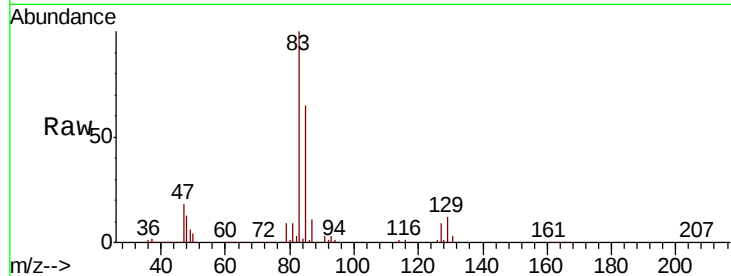




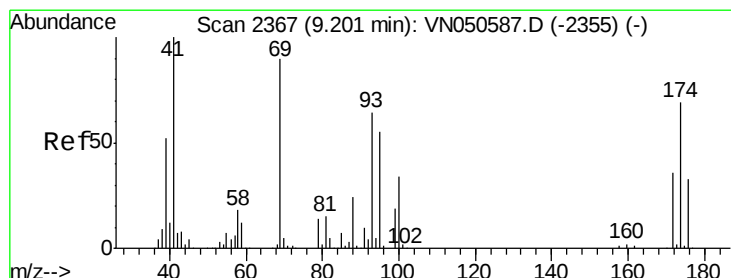
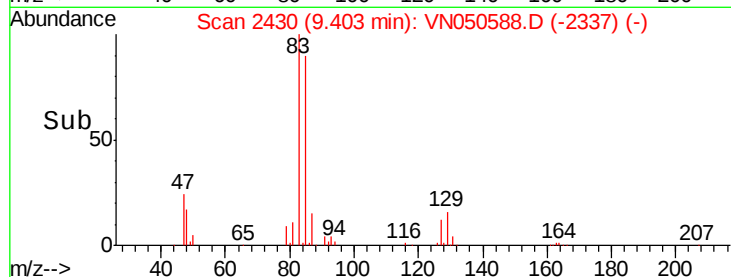
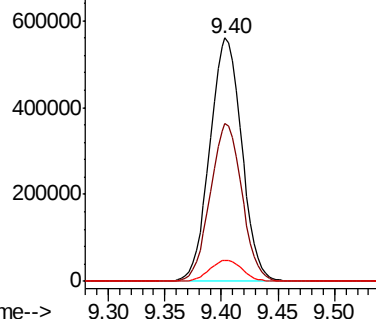
#47
 Bromodichloromethane
 Concen: 98.092 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 83 Resp: 1099646
 Ion Ratio Lower Upper
 83 100
 85 64.9 51.8 77.6
 127 8.8 7.2 10.8

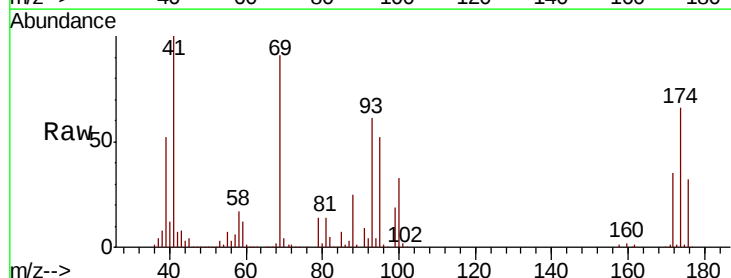


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V

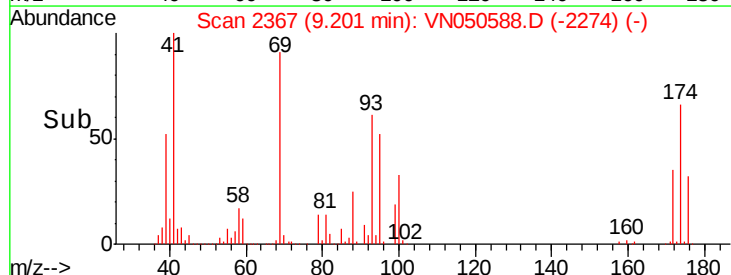
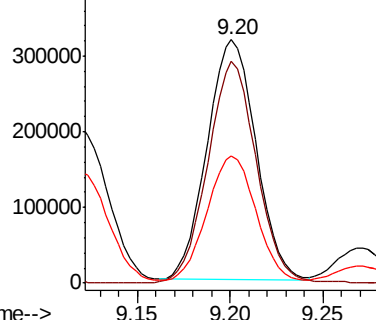


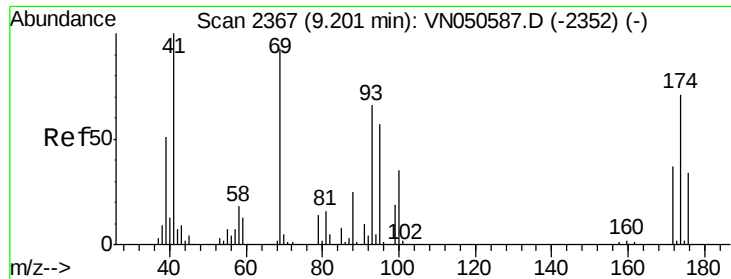
#48
 Methyl methacrylate
 Concen: 89.553 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 41 Resp: 585609
 Ion Ratio Lower Upper
 41 100
 69 91.8 73.4 110.0
 39 53.6 43.0 64.6



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





#49

1,4-Dioxane

Concen: 1578.314 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

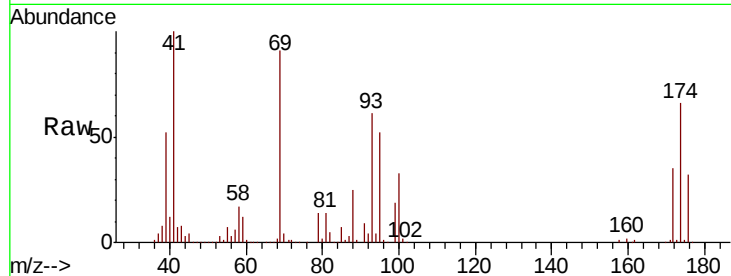
Tot Ion: 88 Resp: 156891

Ion Ratio Lower Upper

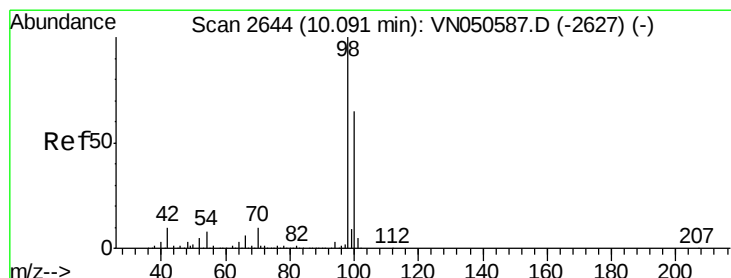
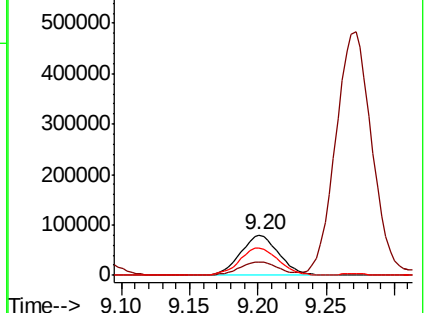
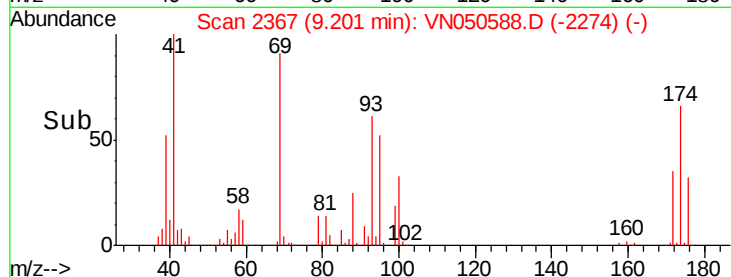
88 100

43 32.5 25.9 38.9

58 68.4 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 101.524 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050588.D

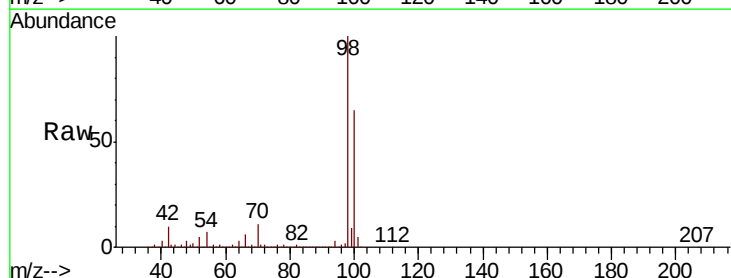
Acq: 14 Aug 2018 1:24

Tgt Ion: 98 Resp: 3030842

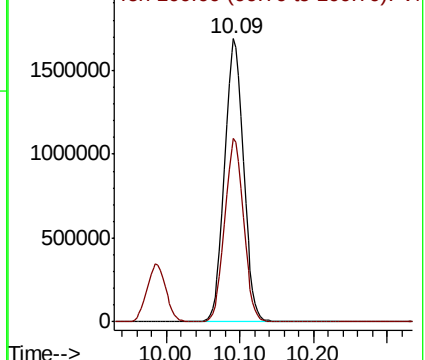
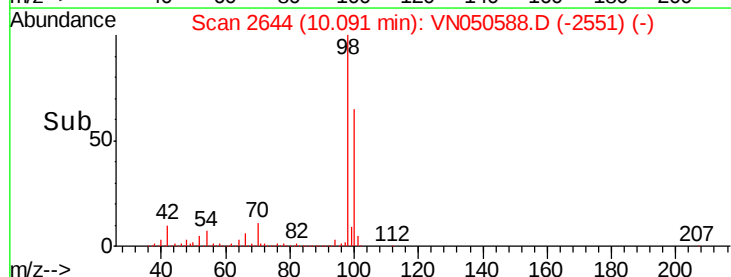
Ion Ratio Lower Upper

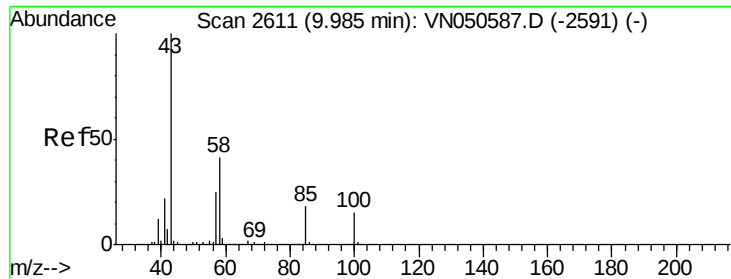
98 100

100 64.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 425.861 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

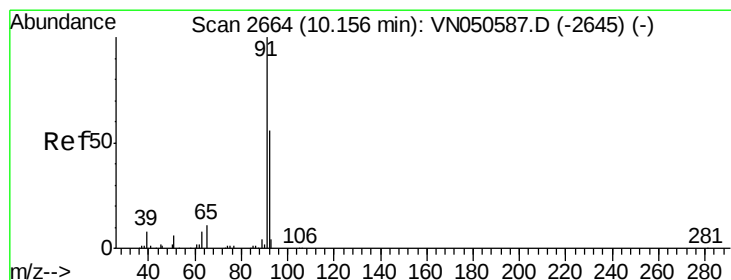
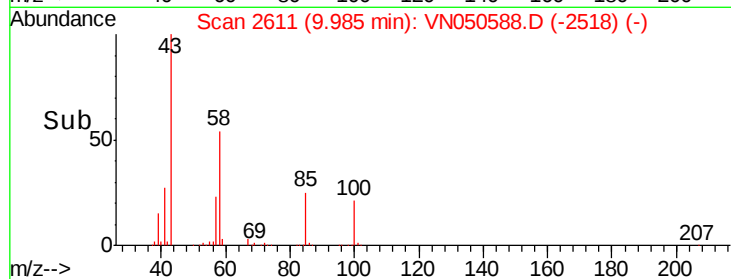
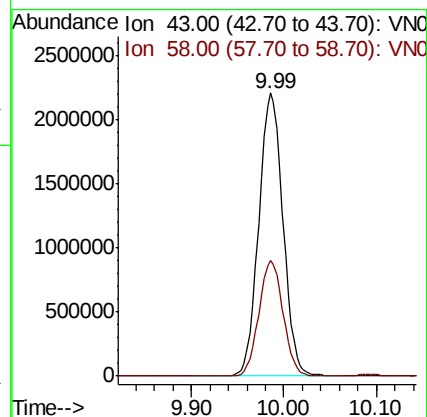
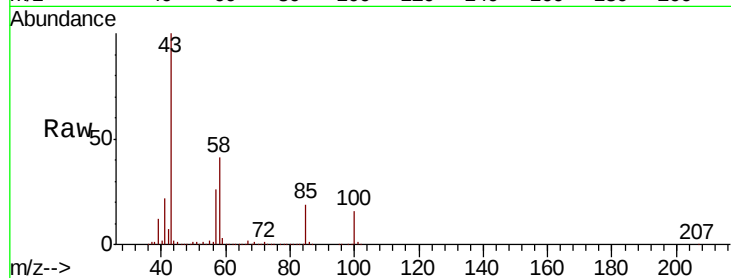
VSTDIC100

Tot Ion: 43 Resp: 3983108

Ion Ratio Lower Upper

43 100

58 40.8 32.5 48.7



#52

Toluene

Concen: 104.839 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050588.D

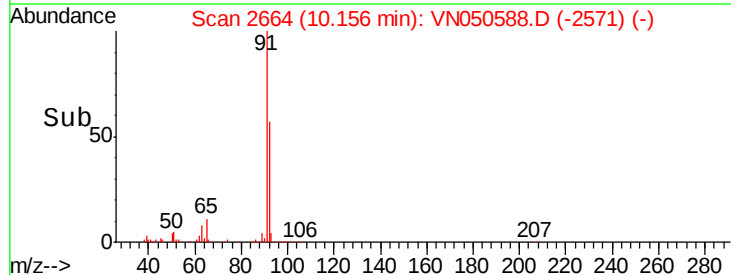
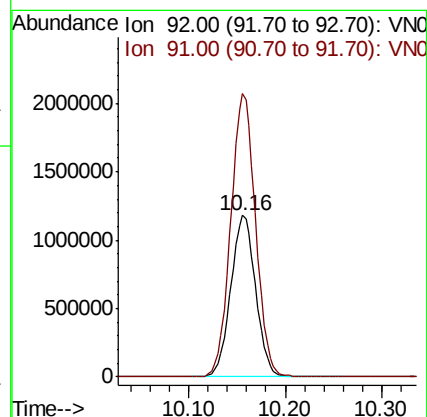
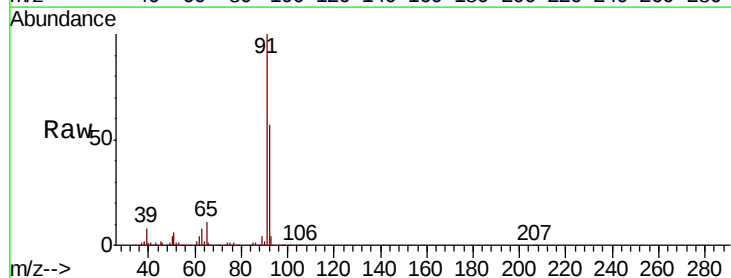
Acq: 14 Aug 2018 1:24

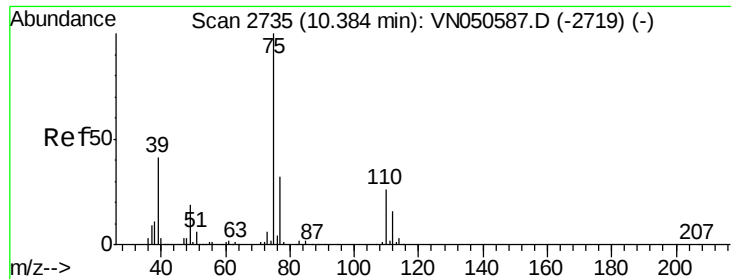
Tgt Ion: 92 Resp: 2099876

Ion Ratio Lower Upper

92 100

91 175.6 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 100.790 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

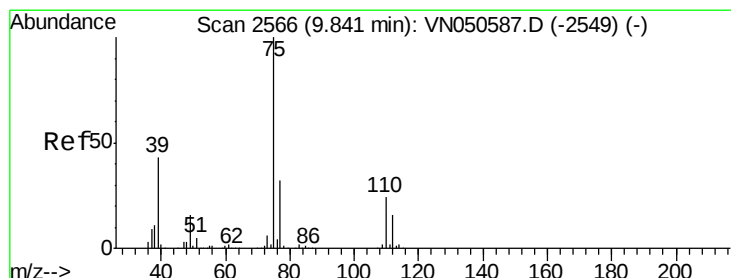
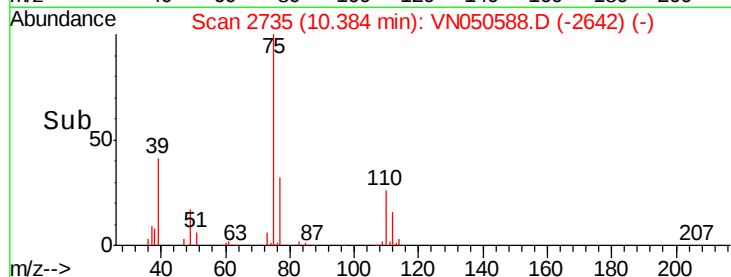
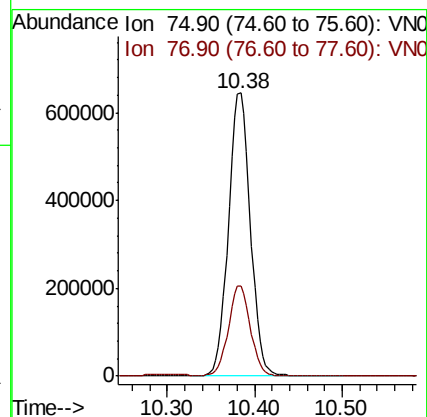
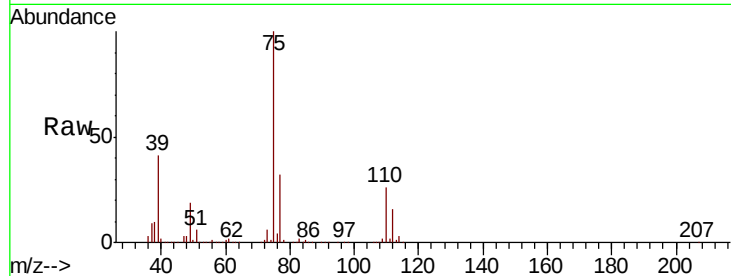
VSTDIC100

Tot Ion: 75 Resp: 1121829

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 103.182 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

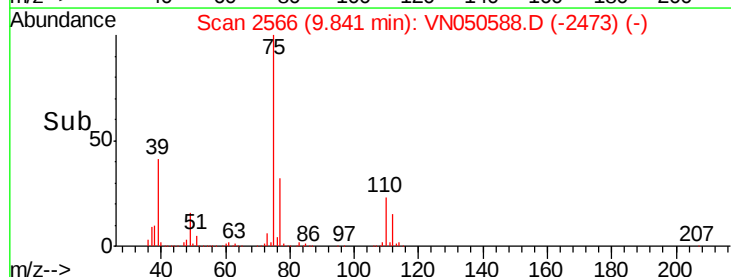
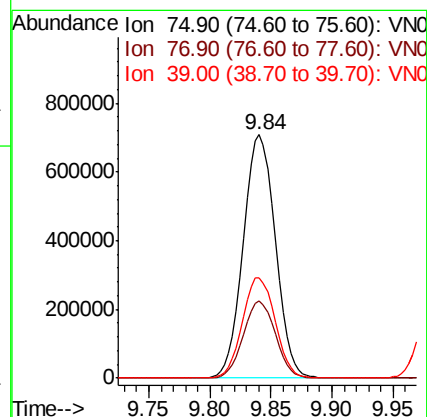
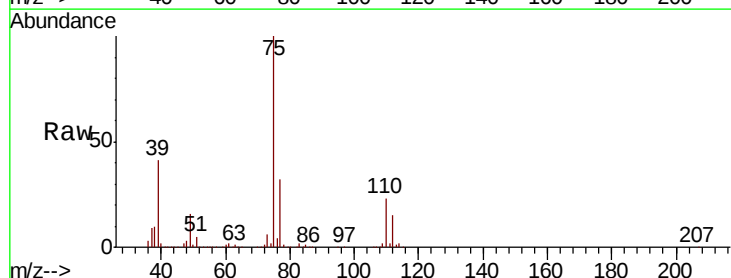
Tgt Ion: 75 Resp: 1288545

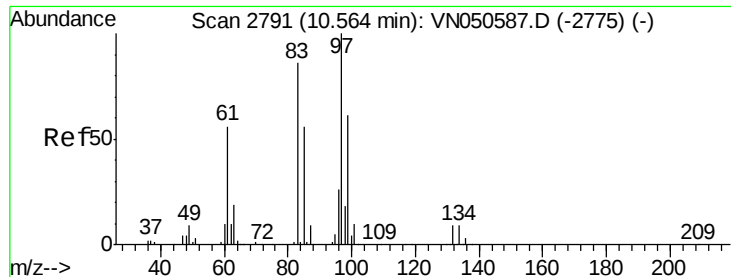
Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4

39 41.3 34.4 51.6

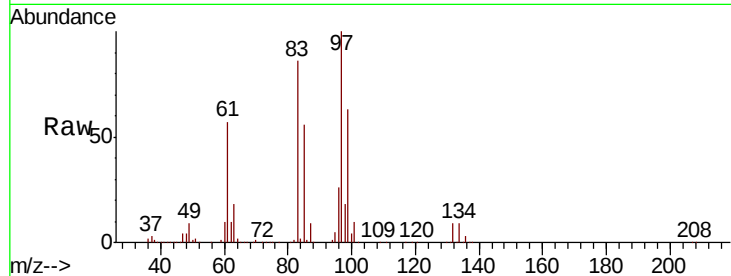




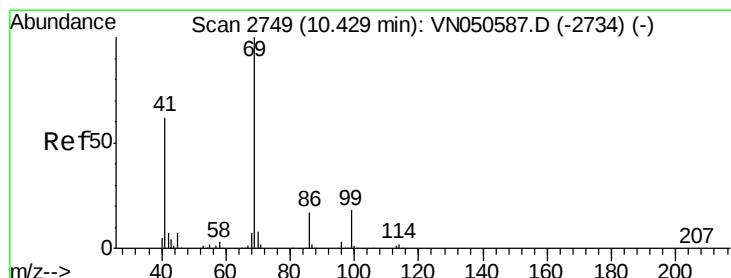
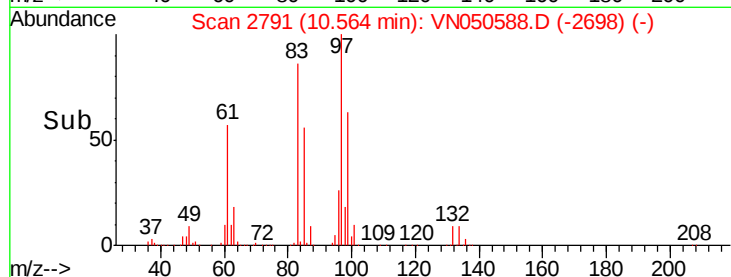
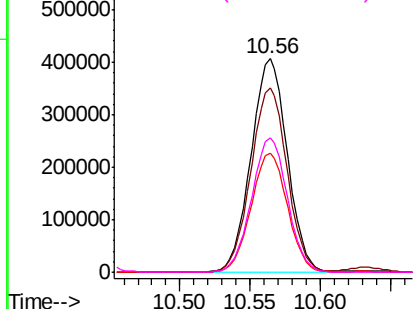
#55
 1,1,2-Trichloroethane
 Concen: 94.362 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 731444
 Ion Ratio Lower Upper
 97 100
 83 86.1 68.5 102.7
 85 55.8 44.6 66.8
 99 62.7 49.1 73.7

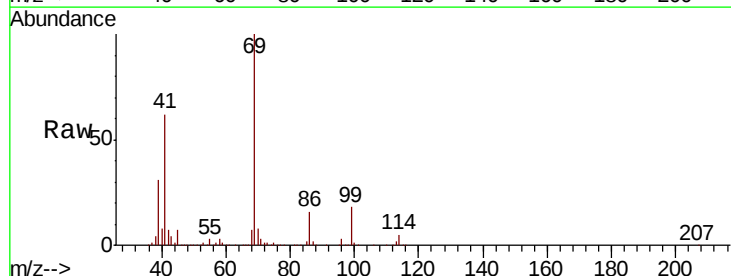


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

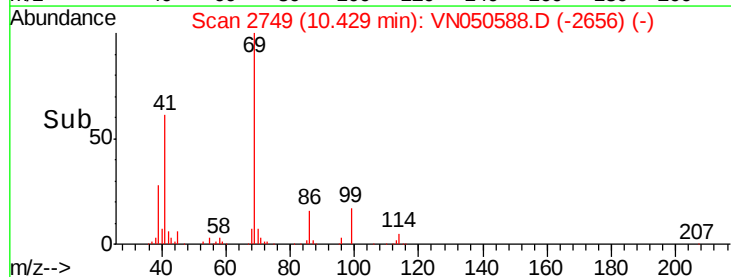
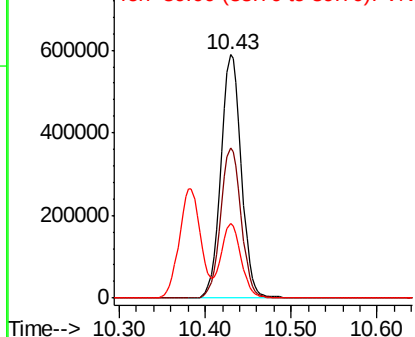


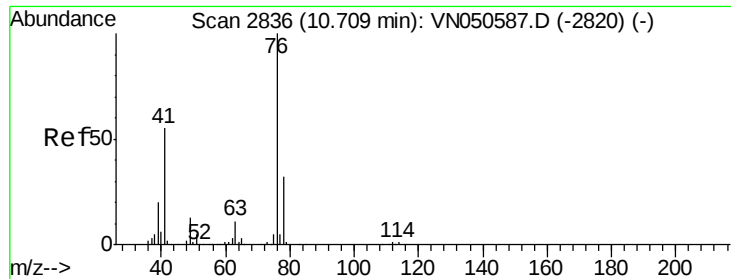
#56
 Ethyl methacrylate
 Concen: 100.544 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 69 Resp: 969899
 Ion Ratio Lower Upper
 69 100
 41 61.7 49.7 74.5
 39 30.5 24.2 36.2



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





#57

1,3-Dichloropropane

Concen: 97.561 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

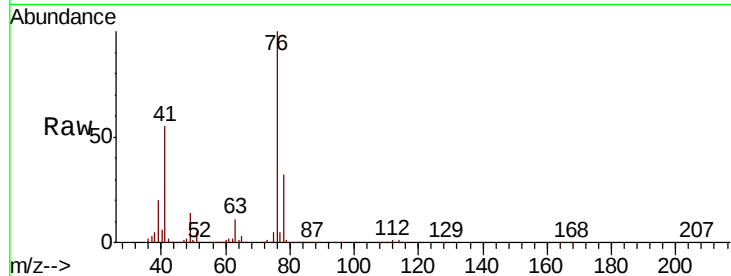
VSTDIC100

Tot Ion: 76 Resp: 1242645

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN050587.D (-2820) (-)

Ion 77.90 (77.60 to 78.60): VN050588.D (-2743) (-)

10.71

800000

600000

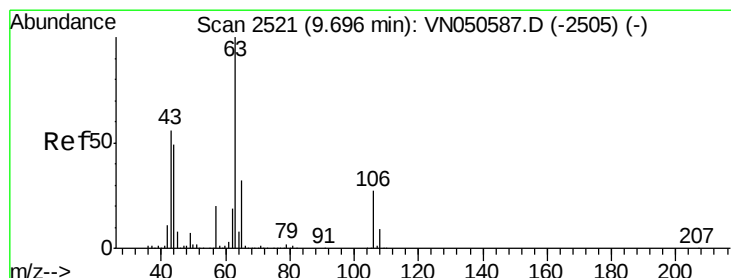
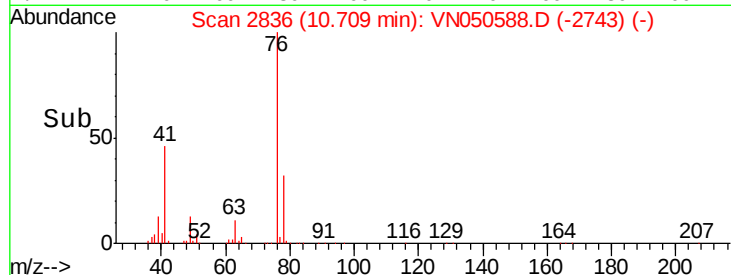
400000

200000

0

10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 512.035 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050588.D

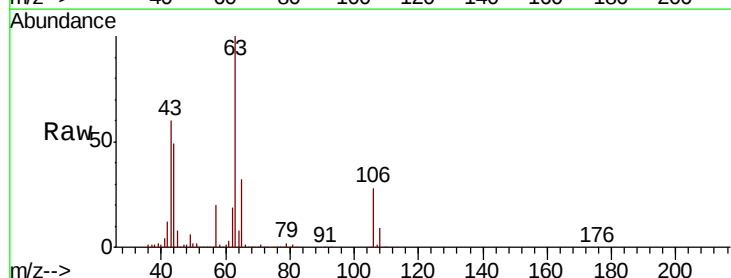
Acq: 14 Aug 2018 1:24

Tgt Ion: 63 Resp: 2307506

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN050587.D (-2505) (-)

Ion 105.90 (105.60 to 106.60): VN050588.D (-2428) (-)

9.70

1500000

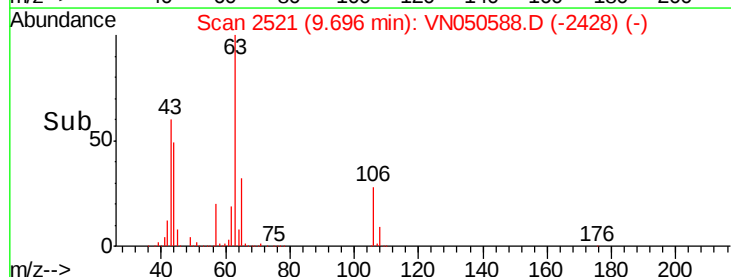
1000000

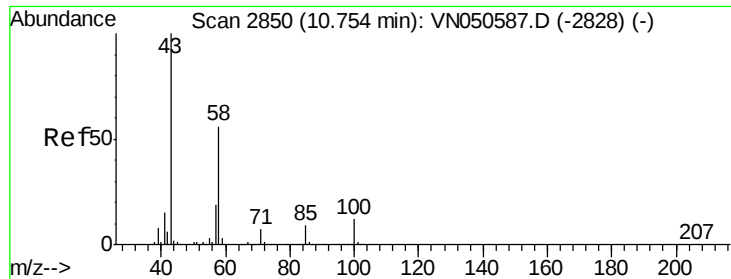
500000

0

9.60 9.70 9.80

Time-->

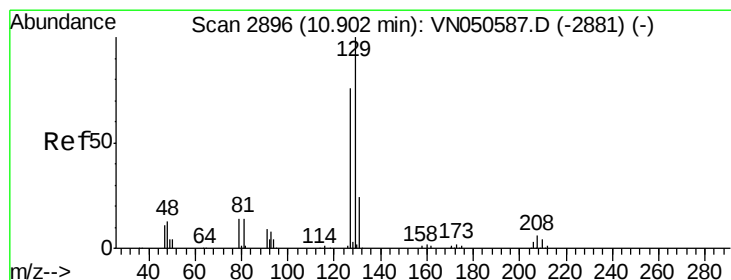
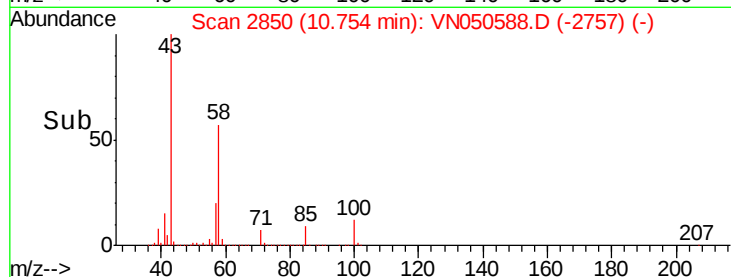
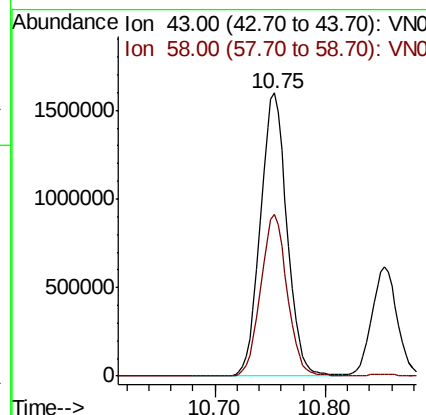
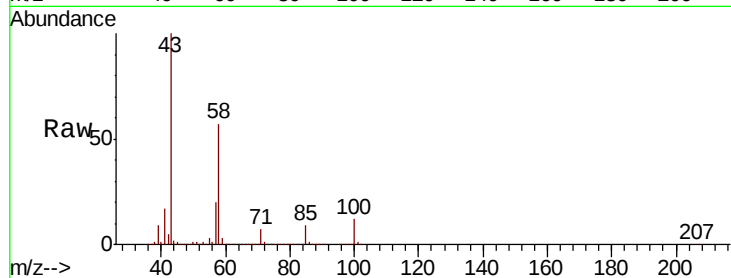




#59
2-Hexanone
Concen: 411.416 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

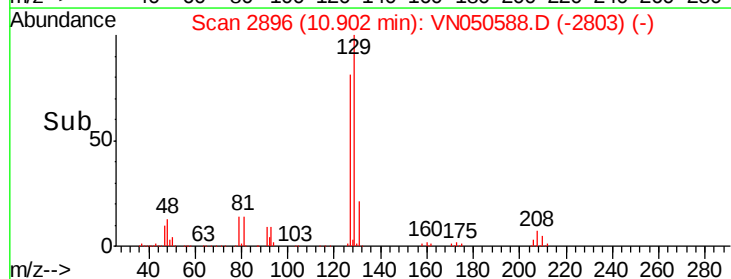
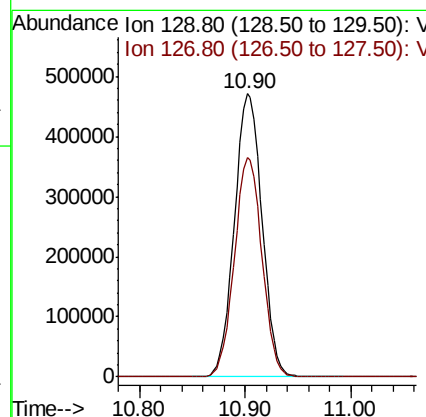
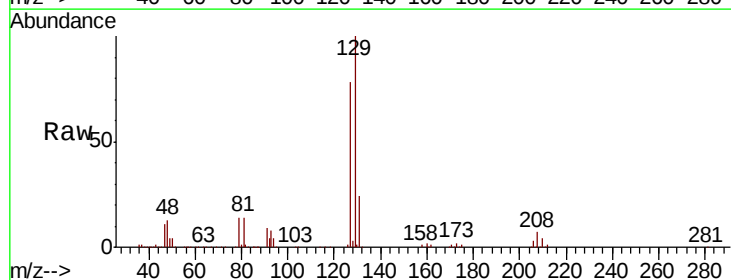
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

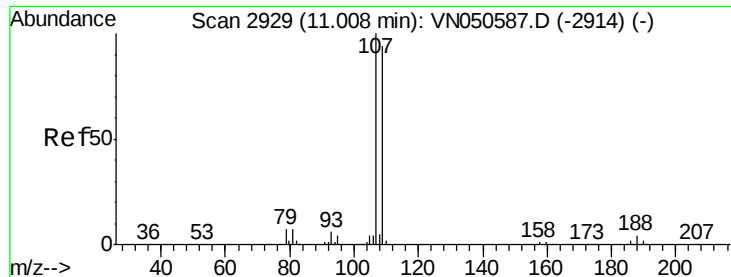
Tot Ion: 43 Resp: 2668395
Ion Ratio Lower Upper
43 100
58 56.9 28.0 84.0



#60
Dibromochloromethane
Concen: 99.991 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 129 Resp: 855059
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 96.839 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

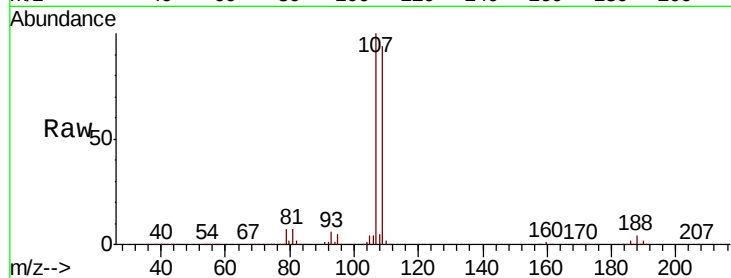
VSTDIC100

Tot Ion:107 Resp: 736686

Ion Ratio Lower Upper

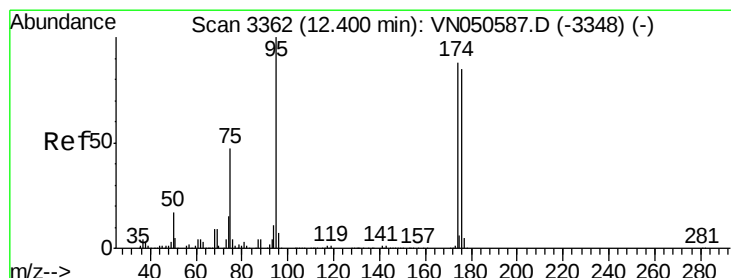
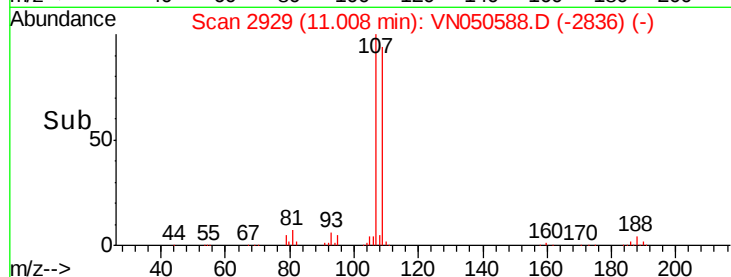
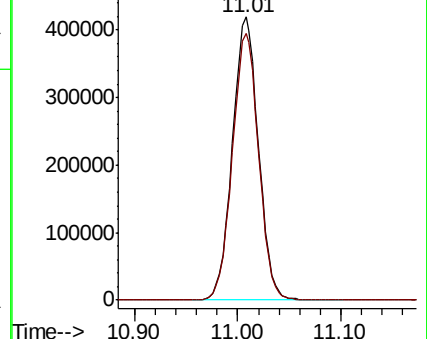
107 100

109 95.1 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 103.476 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

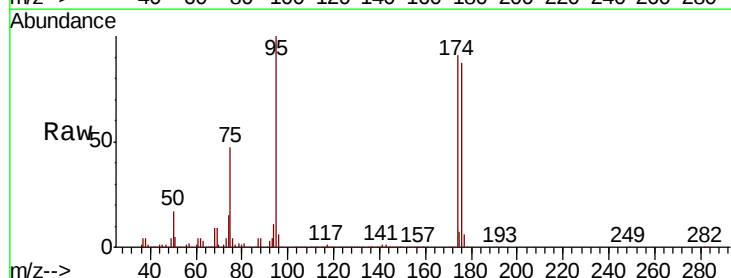
Tgt Ion: 95 Resp: 1047670

Ion Ratio Lower Upper

95 100

174 90.1 0.0 177.8

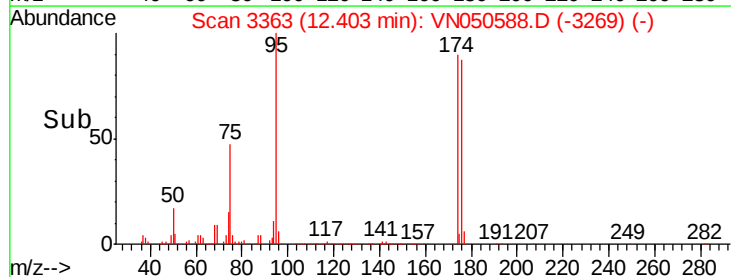
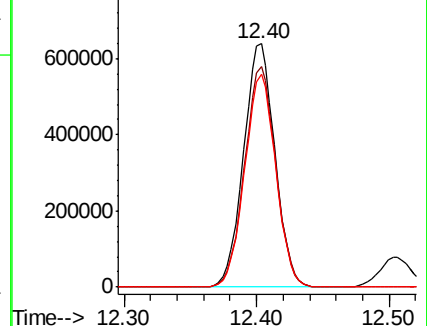
176 86.9 0.0 175.0

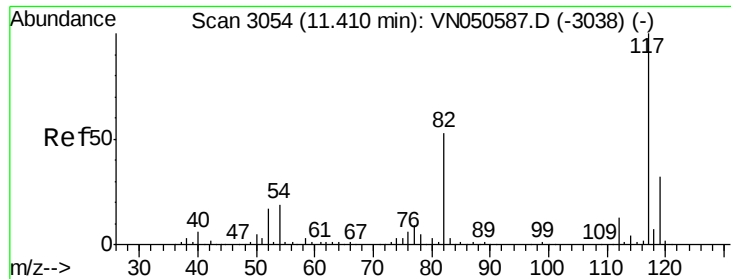


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

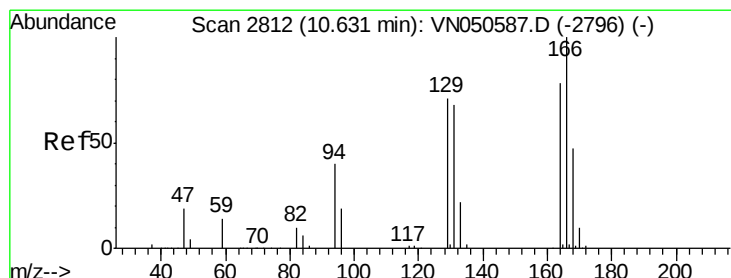
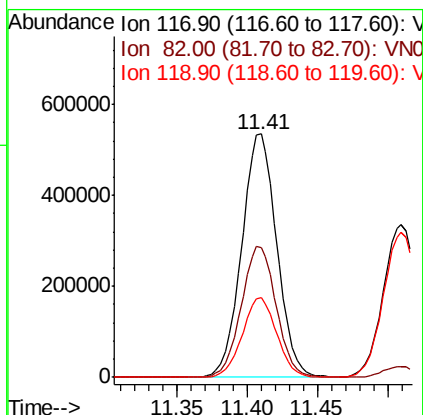
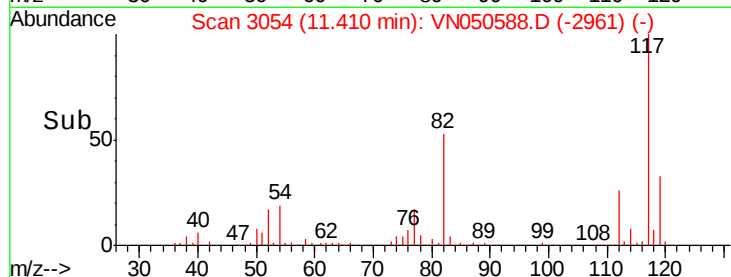
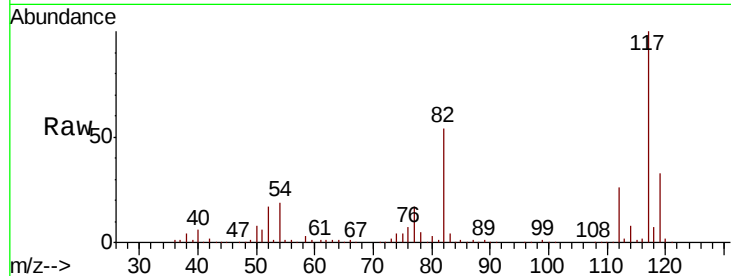




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

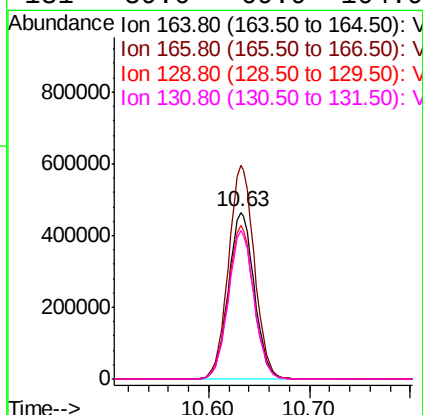
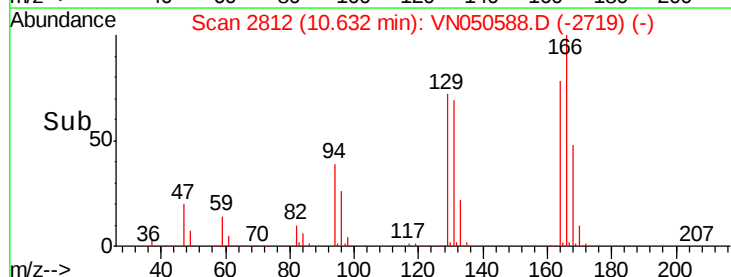
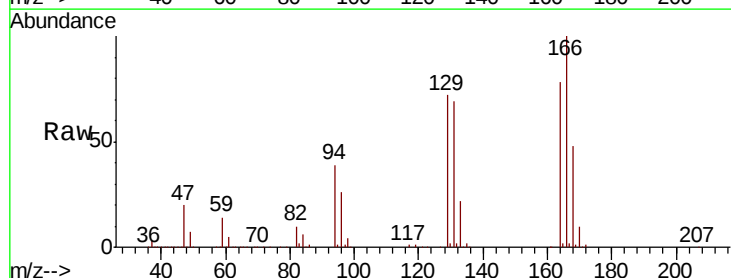
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

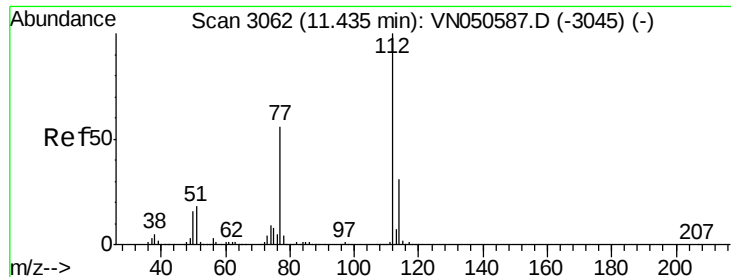
Tot Ion:117 Resp: 929864
Ion Ratio Lower Upper
117 100
82 53.5 42.4 63.6
119 32.8 25.8 38.8



#64
Tetrachloroethene
Concen: 95.457 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion:164 Resp: 828130
Ion Ratio Lower Upper
164 100
166 128.3 102.1 153.1
129 92.1 72.7 109.1
131 89.0 69.9 104.9

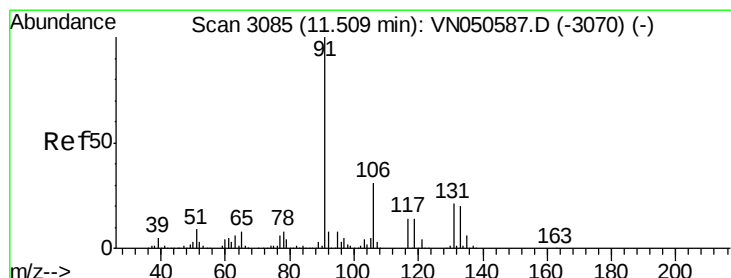
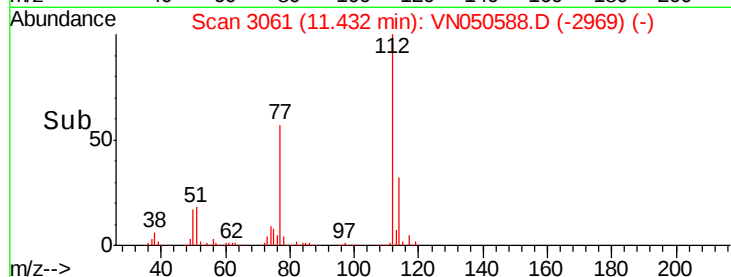
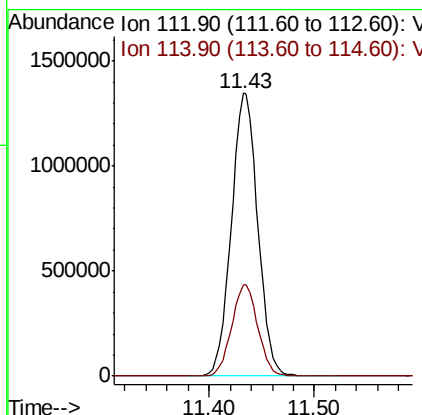
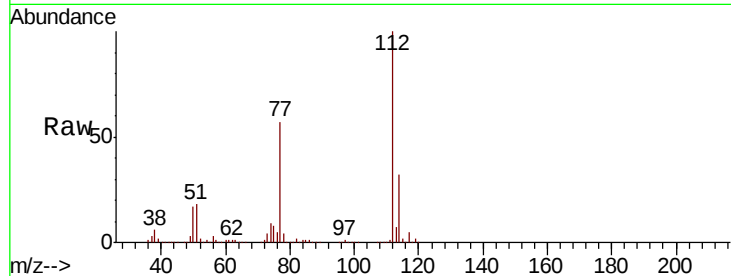




#65
Chlorobenzene
Concen: 99.504 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

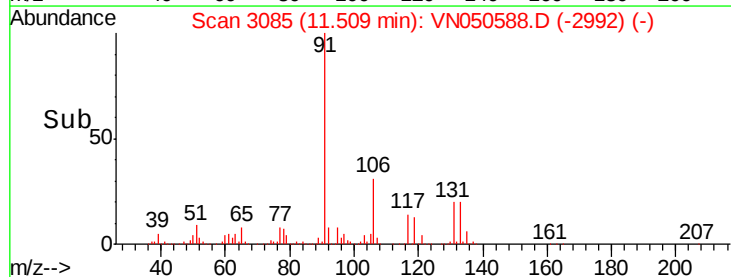
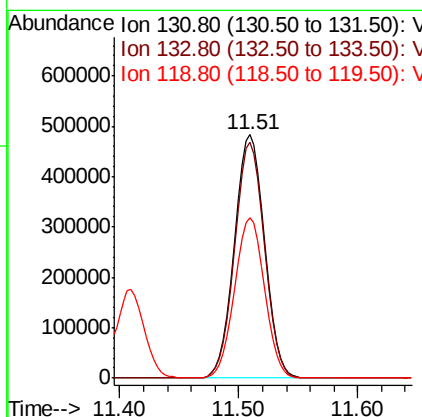
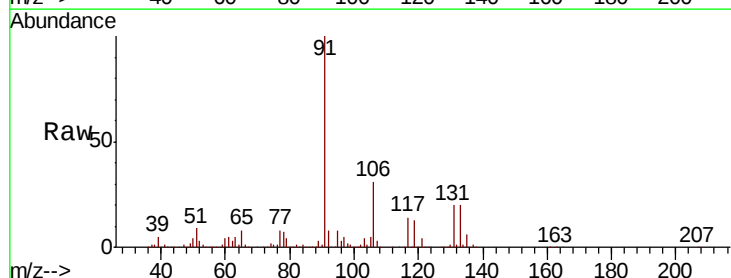
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

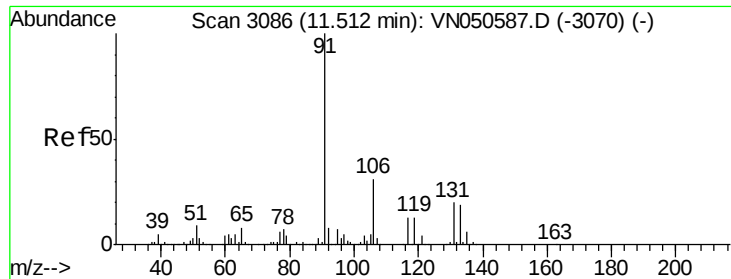
Tot Ion:112 Resp: 2320753
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 99.527 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion:131 Resp: 846880
Ion Ratio Lower Upper
131 100
133 96.0 47.6 142.9
119 65.8 33.1 99.3





#67

Ethyl Benzene

Concen: 107.333 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

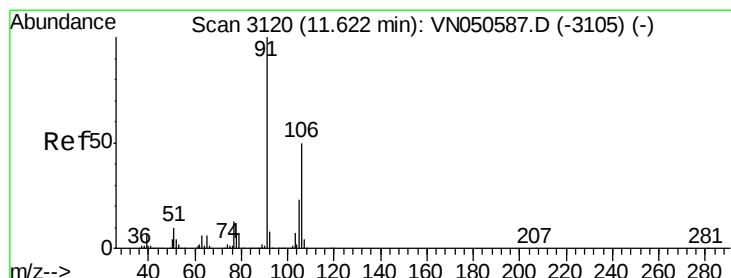
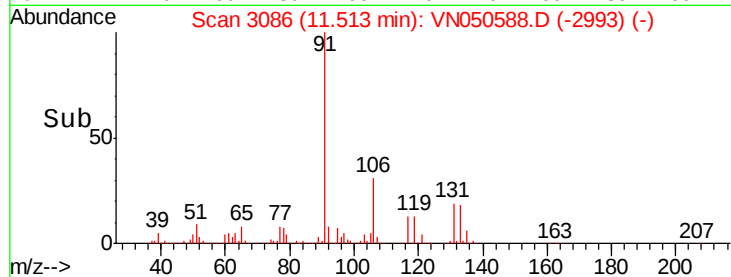
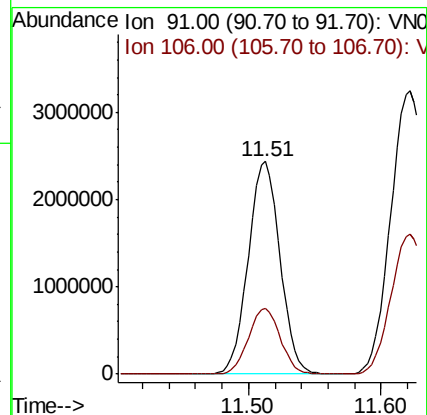
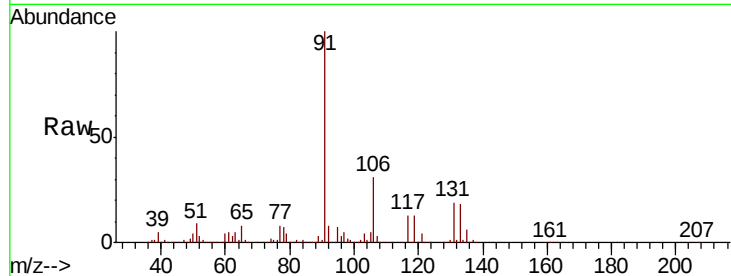
VSTDIC100

Tot Ion: 91 Resp: 4047102

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 215.456 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050588.D

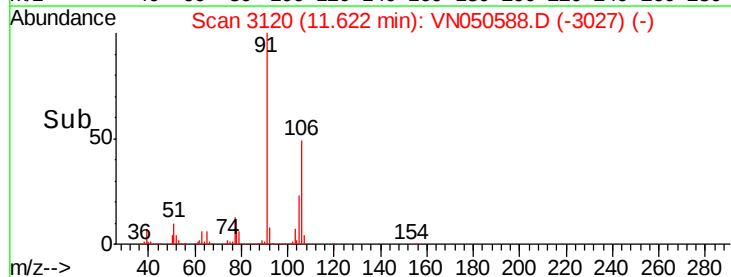
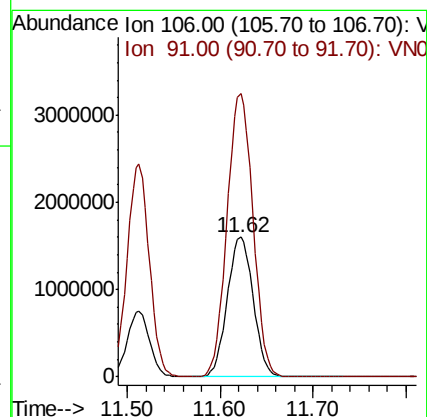
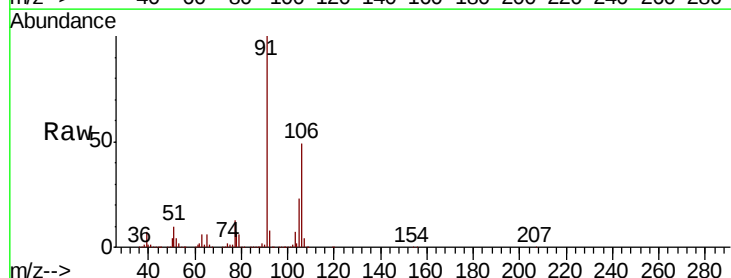
Acq: 14 Aug 2018 1:24

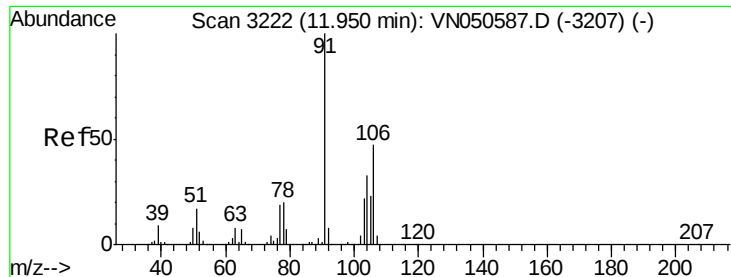
Tgt Ion: 106 Resp: 3094891

Ion Ratio Lower Upper

106 100

91 203.1 161.5 242.3

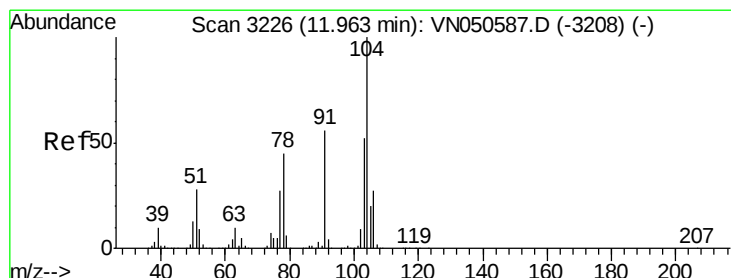
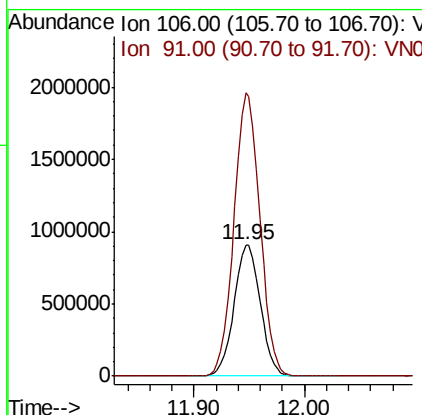
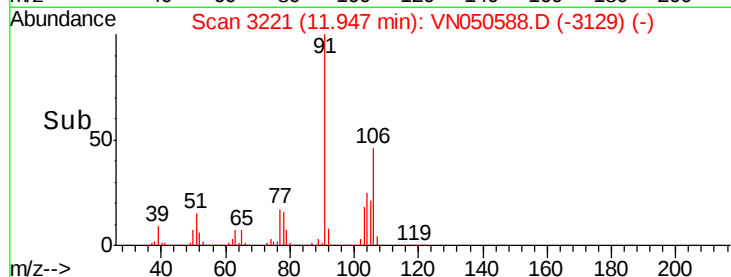
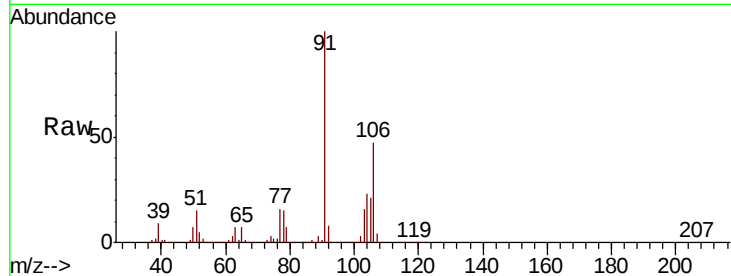




#69
o-Xylene
Concen: 108.476 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

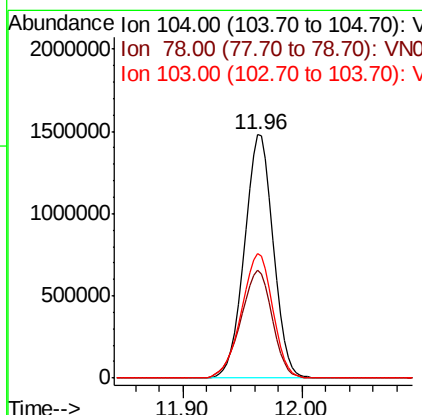
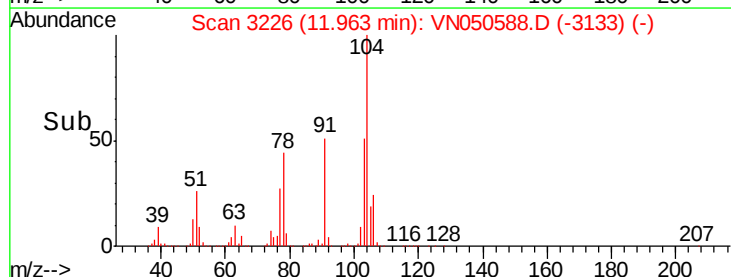
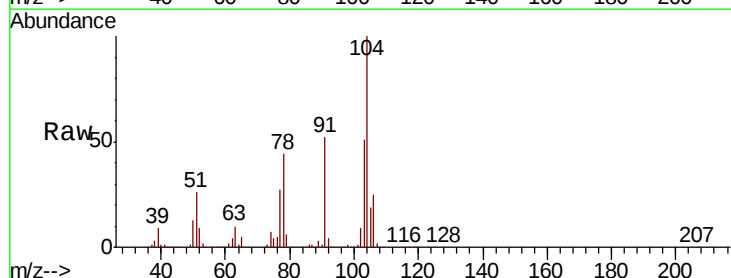
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

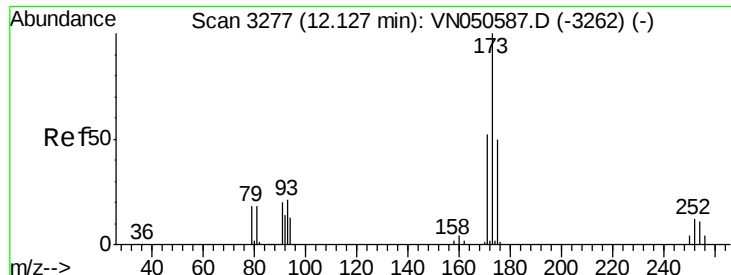
Tot Ion:106 Resp: 1498306
Ion Ratio Lower Upper
106 100
91 213.5 106.8 320.4



#70
Styrene
Concen: 110.856 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion:104 Resp: 2483146
Ion Ratio Lower Upper
104 100
78 48.6 39.1 58.7
103 55.8 44.9 67.3





#71

Bromoform

Concen: 97.145 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

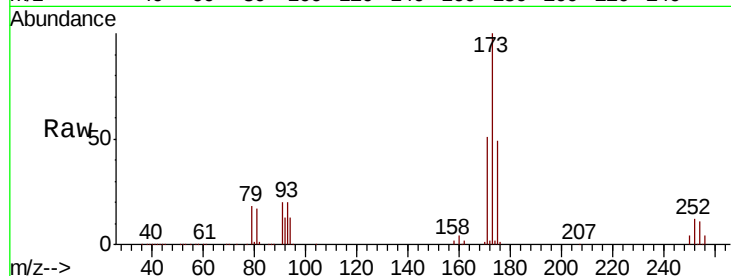
Tot Ion:173 Resp: 593140

Ion Ratio Lower Upper

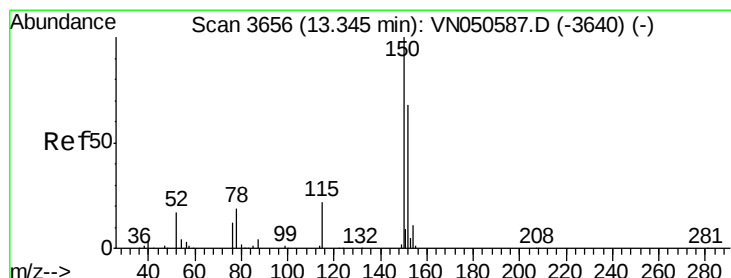
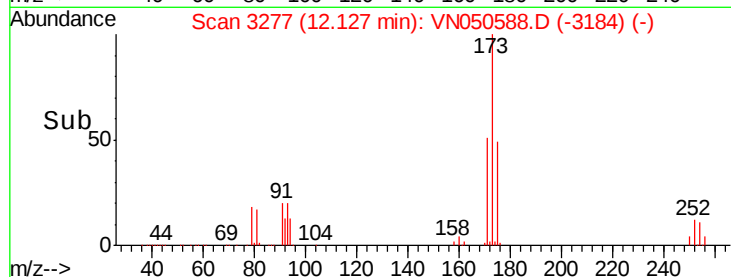
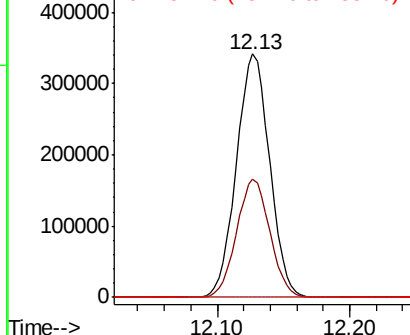
173 100

175 48.6 24.4 73.2

254 0.2 0.0 0.0#



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: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

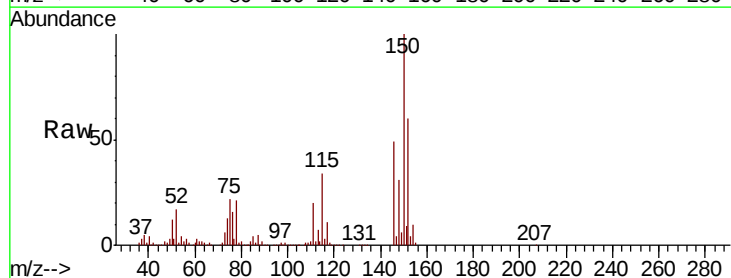
Tgt Ion:152 Resp: 496968

Ion Ratio Lower Upper

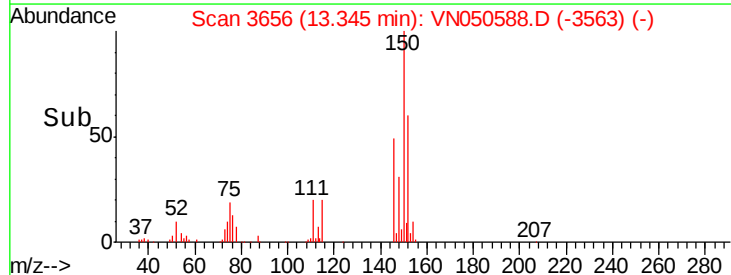
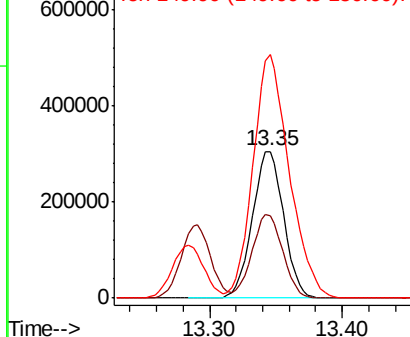
152 100

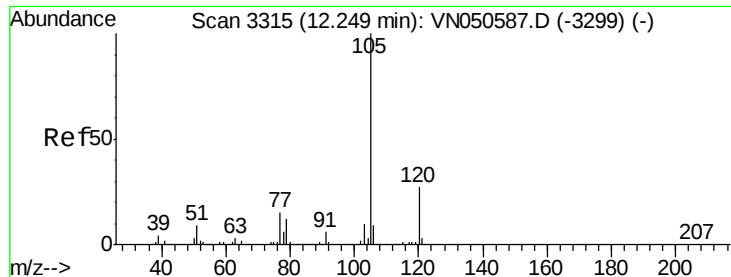
115 56.1 28.1 84.2

150 193.4 0.0 347.8



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: 105.482 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

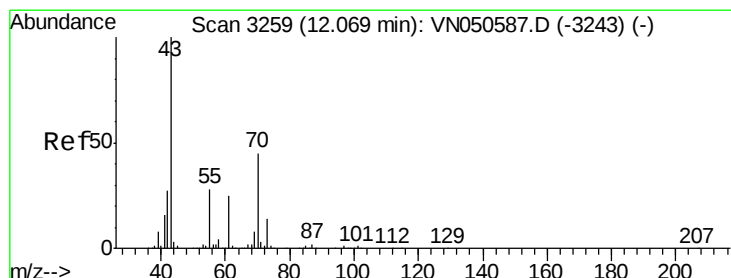
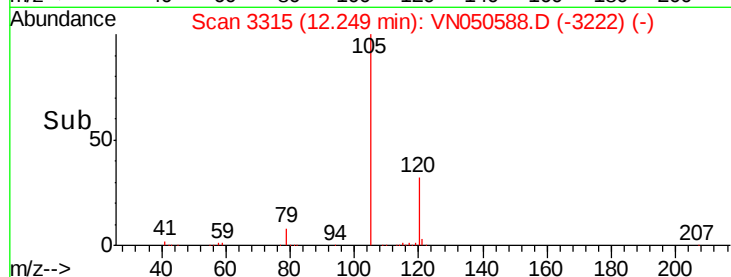
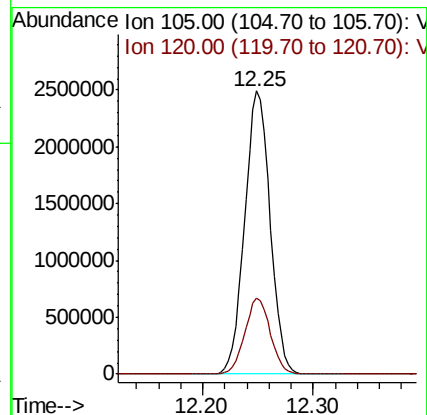
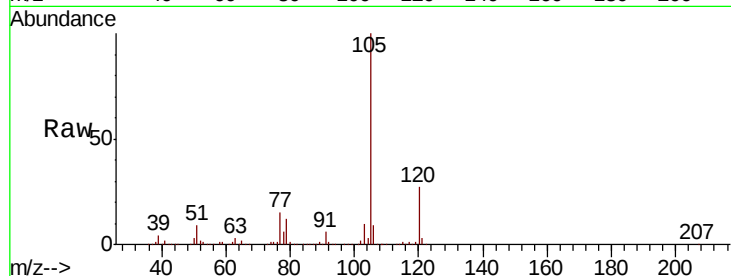
VSTDIC100

Tot Ion:105 Resp: 3963289

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.1



#74

N-ethyl acetate

Concen: 88.199 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tgt Ion: 43 Resp: 1036431

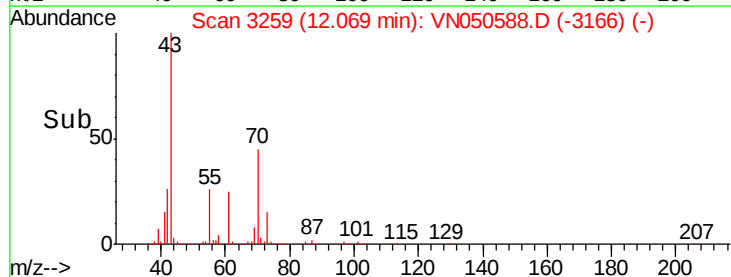
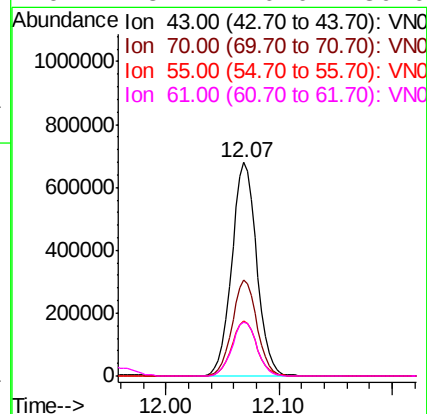
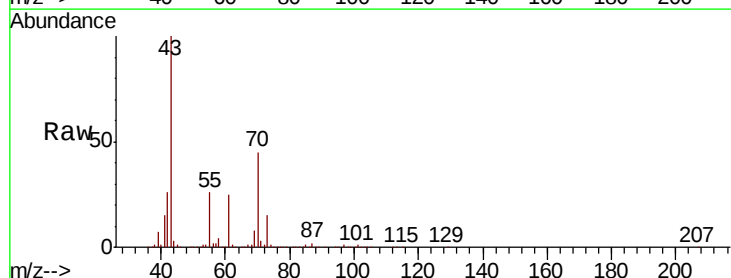
Ion Ratio Lower Upper

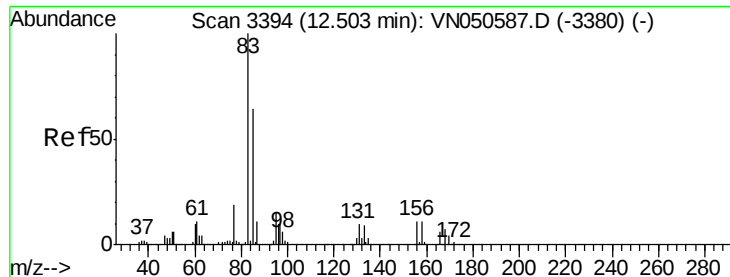
43 100

70 44.7 35.9 53.9

55 26.2 22.2 33.4

61 25.4 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 84.585 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

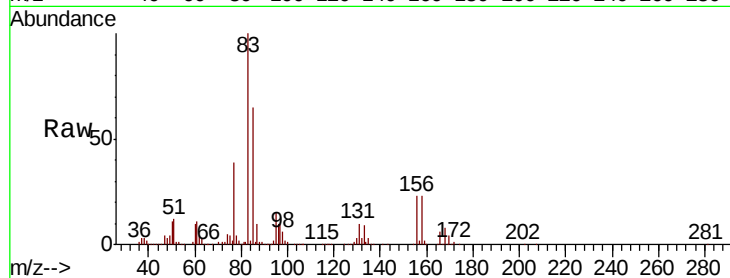
Tot Ion: 83 Resp: 897256

Ion Ratio Lower Upper

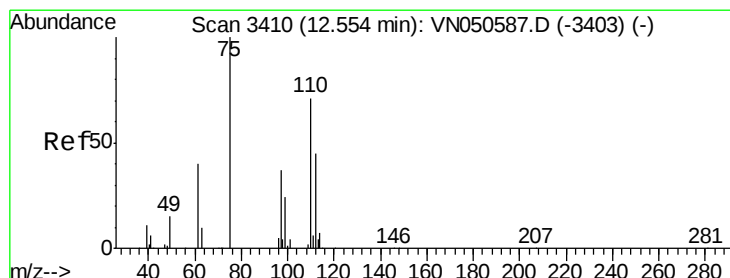
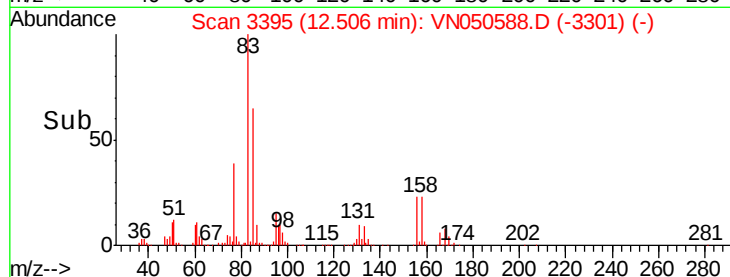
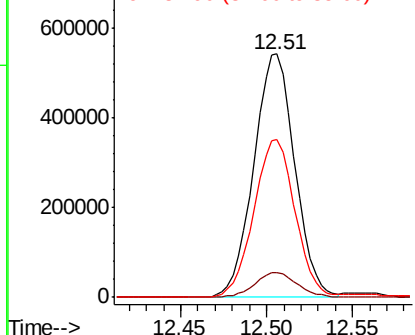
83 100

131 10.5 5.3 15.9

85 65.1 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 122.667 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050588.D

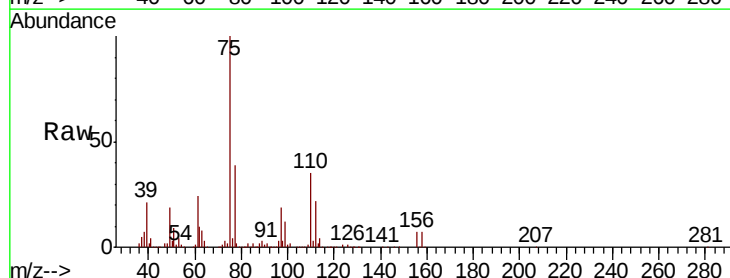
Acq: 14 Aug 2018 1:24

Tgt Ion: 75 Resp: 1101608

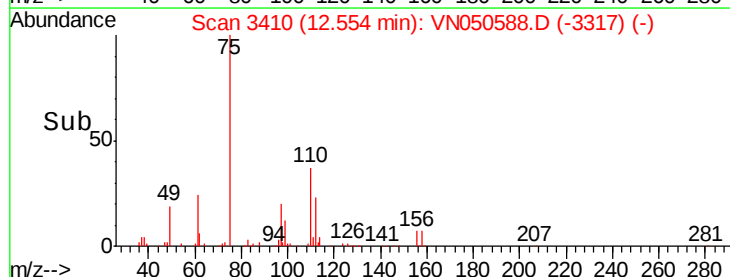
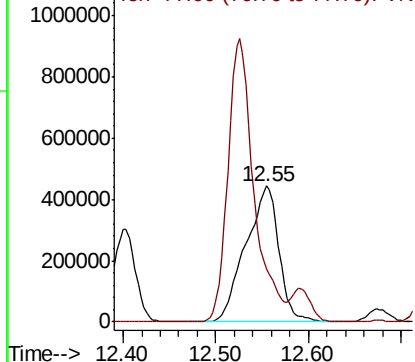
Ion Ratio Lower Upper

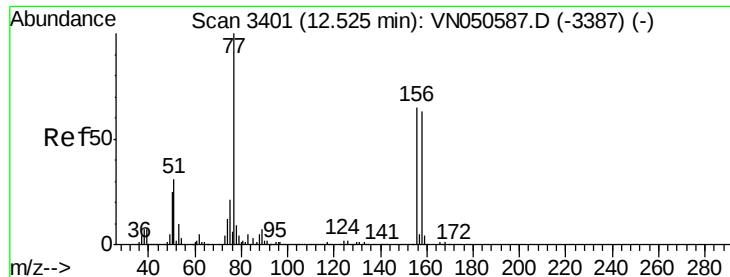
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 100.386 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

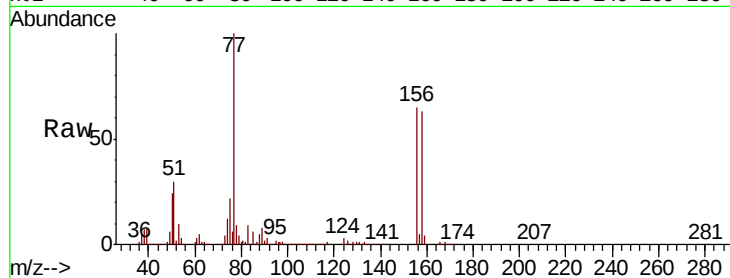
Tot Ion:156 Resp: 1009227

Ion Ratio Lower Upper

156 100

77 177.9 89.0 267.1

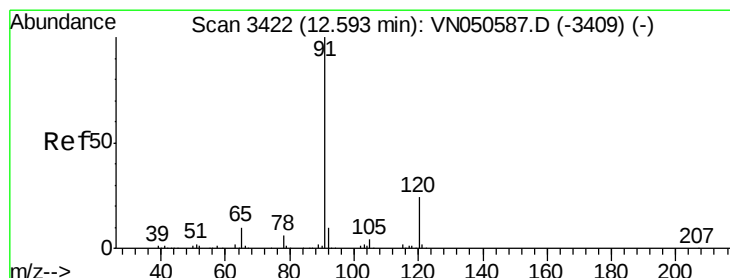
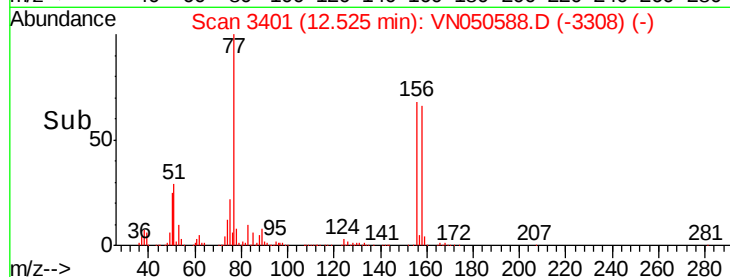
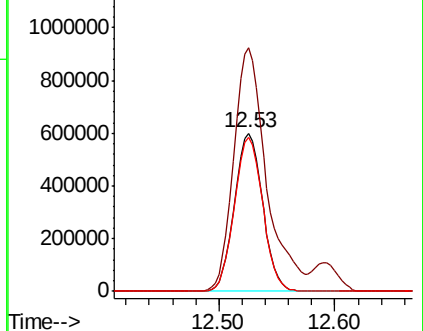
158 97.8 48.5 145.6



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: 106.577 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050588.D

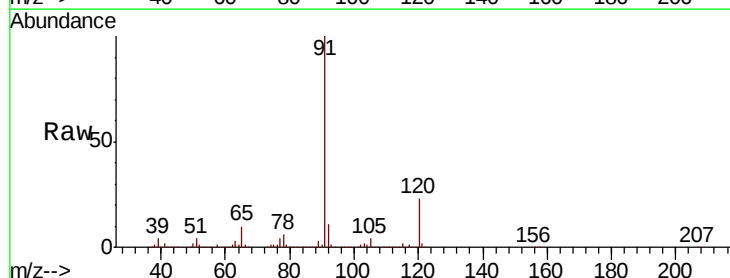
Acq: 14 Aug 2018 1:24

Tgt Ion: 91 Resp: 4528598

Ion Ratio Lower Upper

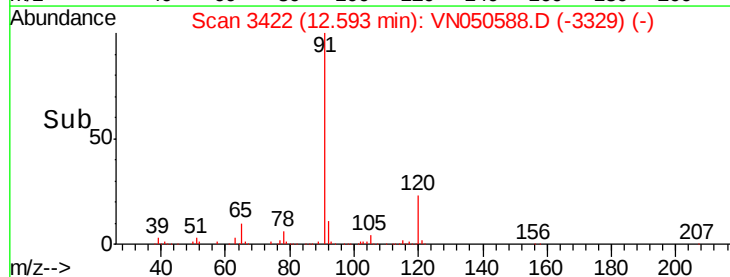
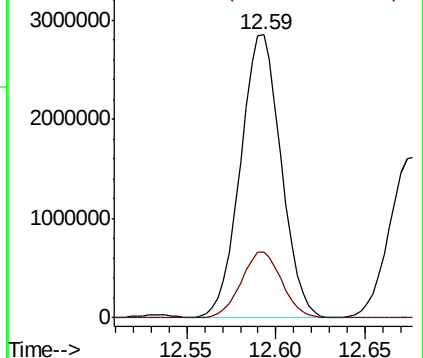
91 100

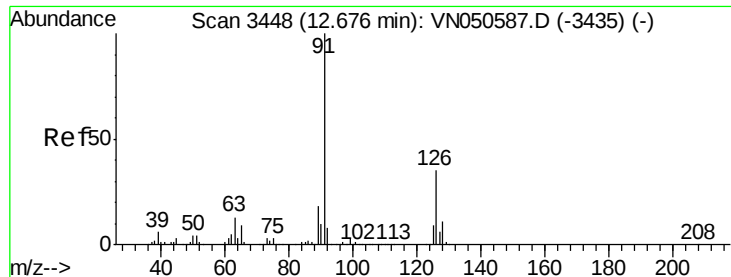
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 101.841 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

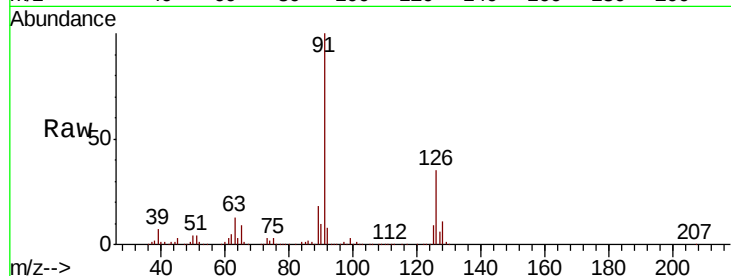
VSTDIC100

Tot Ion: 91 Resp: 2674457

Ion Ratio Lower Upper

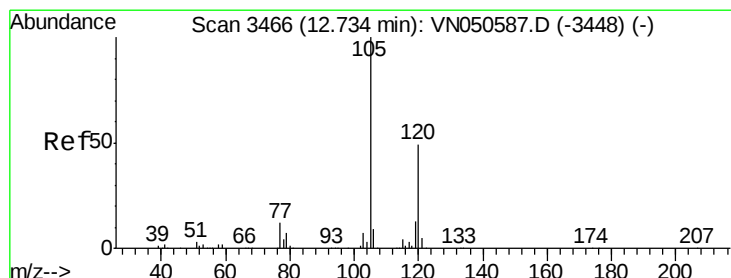
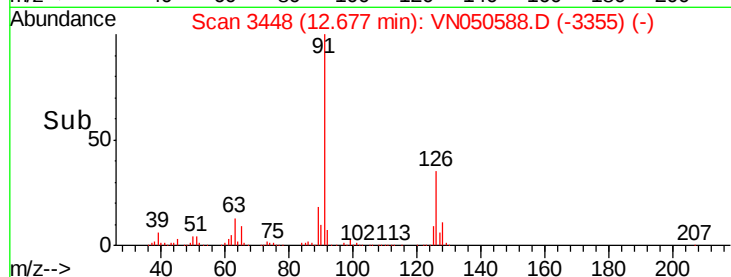
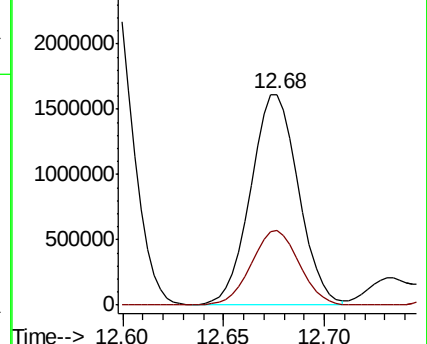
91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050588.D (-3448) (-)

Ion 125.90 (125.60 to 126.60): VN050588.D (-3448) (-)



#80

1,3,5-Trimethylbenzene

Concen: 106.436 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050588.D

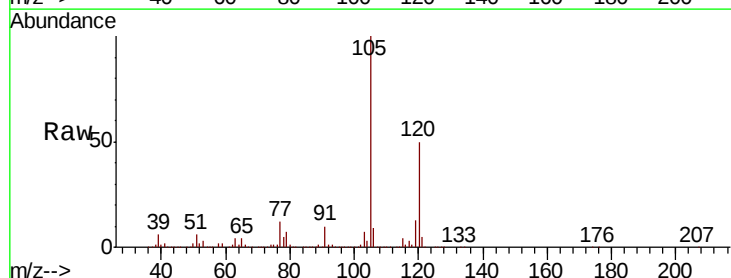
Acq: 14 Aug 2018 1:24

Tgt Ion:105 Resp: 3239718

Ion Ratio Lower Upper

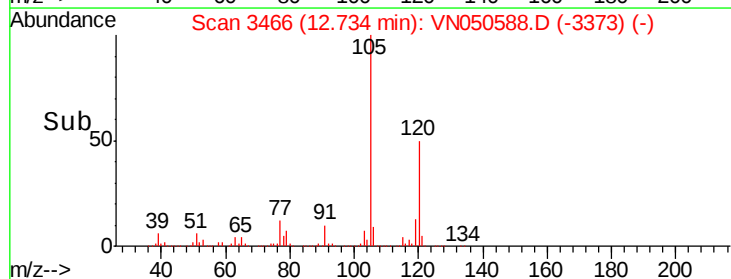
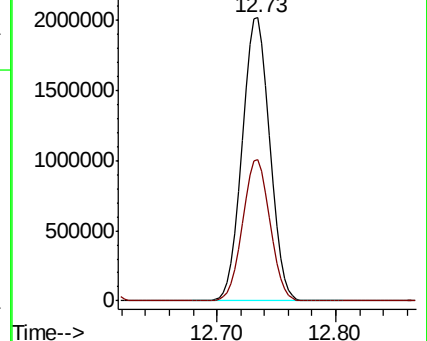
105 100

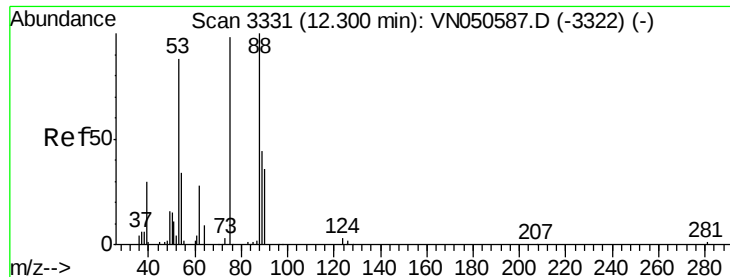
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050588.D (-3466) (-)

Ion 120.00 (119.70 to 120.70): VN050588.D (-3466) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 92.462 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

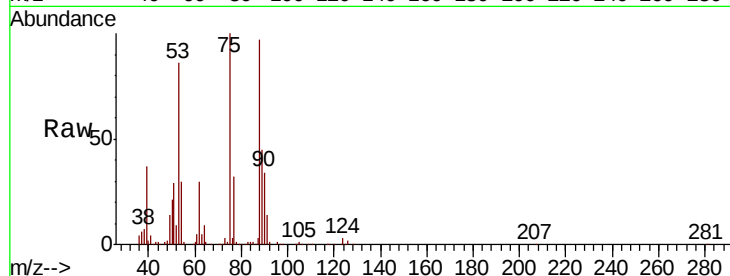
Tot Ion: 75 Resp: 229471

Ion Ratio Lower Upper

75 100

53 89.2 72.2 108.2

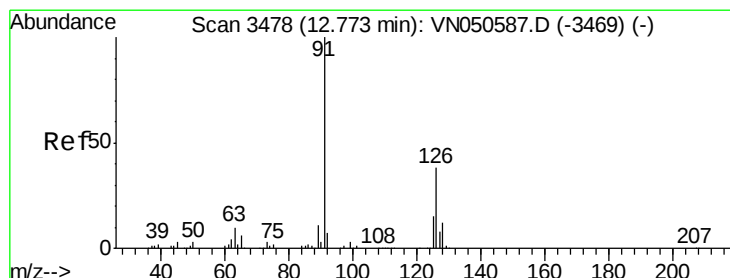
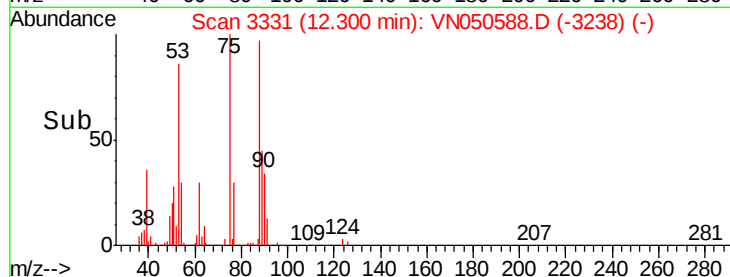
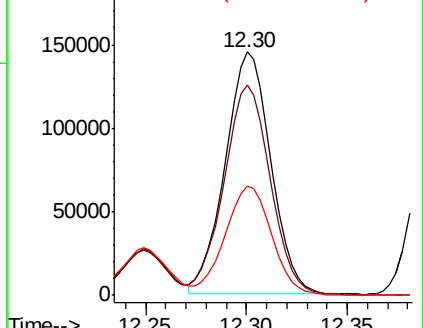
89 46.2 36.3 54.5



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: 104.729 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050588.D

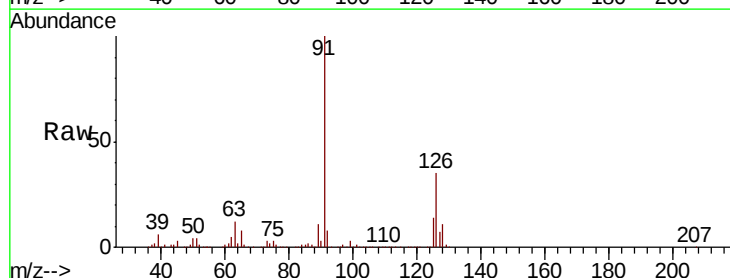
Acq: 14 Aug 2018 1:24

Tgt Ion: 91 Resp: 2740743

Ion Ratio Lower Upper

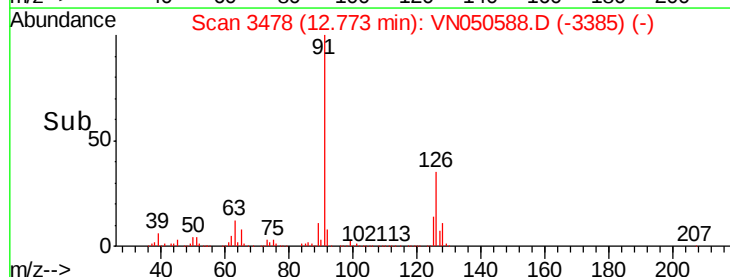
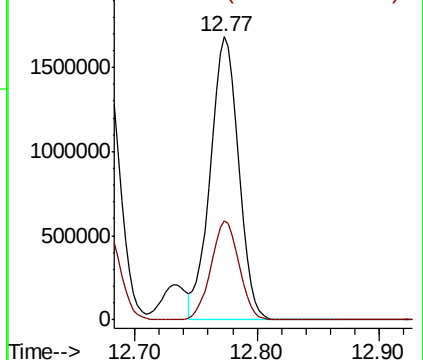
91 100

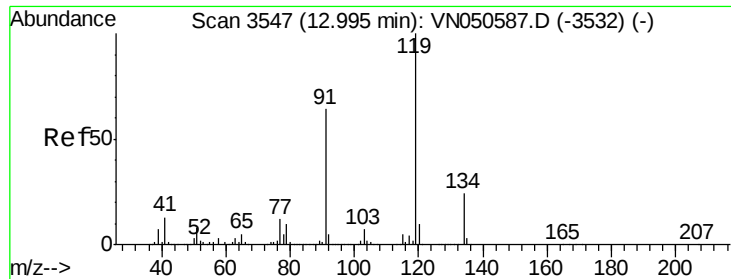
126 34.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

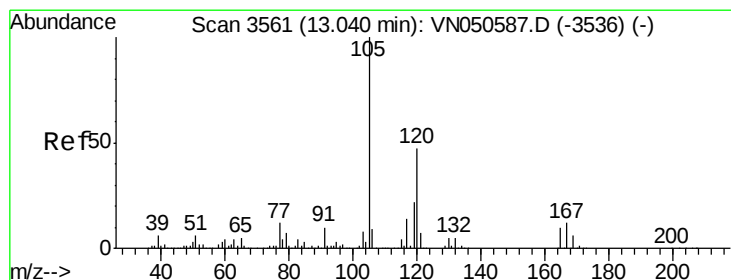
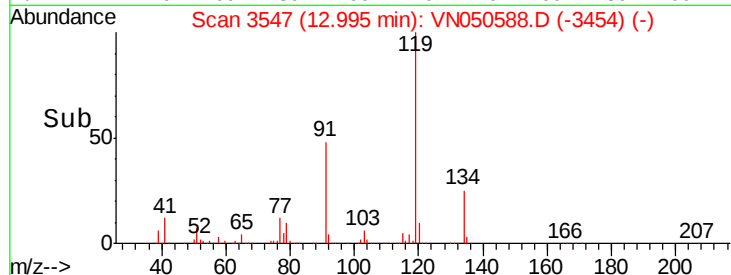
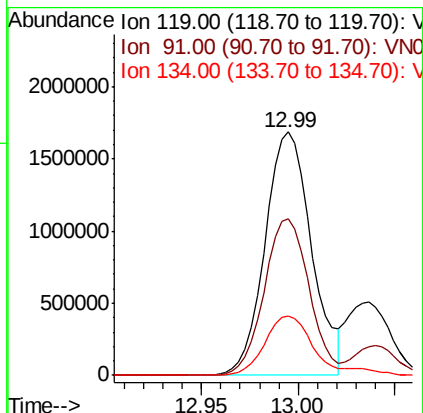
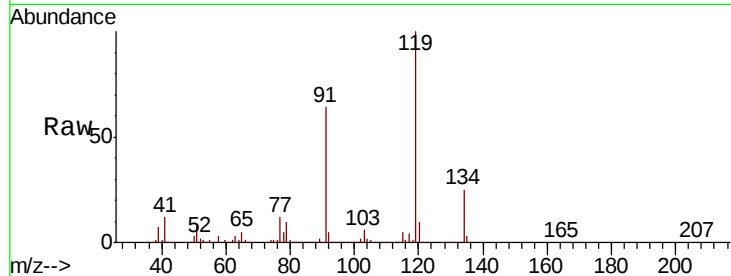




#83
 tert-Butylbenzene
 Concen: 106.288 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

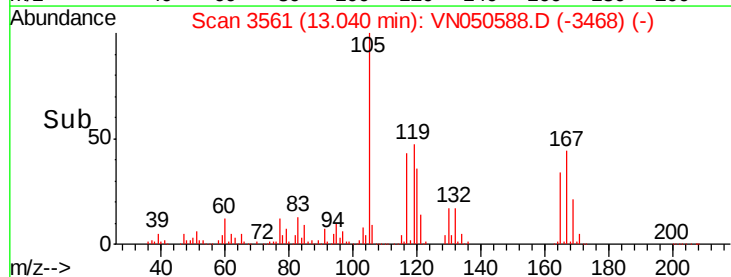
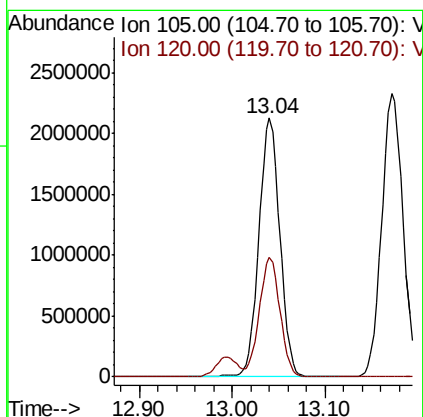
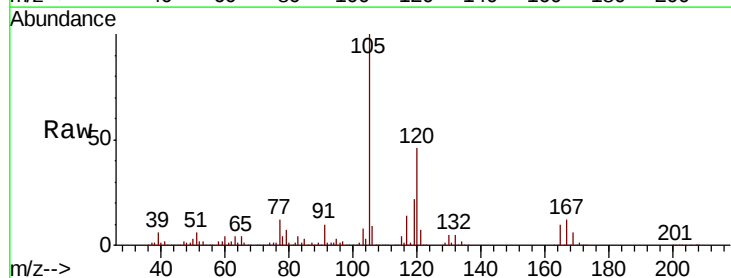
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 2814820
 Ion Ratio Lower Upper
 119 100
 91 62.2 32.2 96.6
 134 26.3 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 107.899 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion:105 Resp: 3325036
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 104.246 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

MSVOA_N

ClientSampleId :

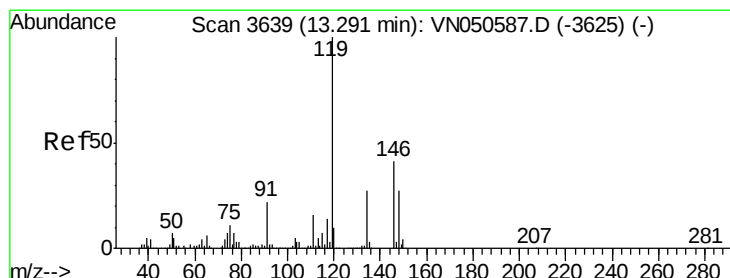
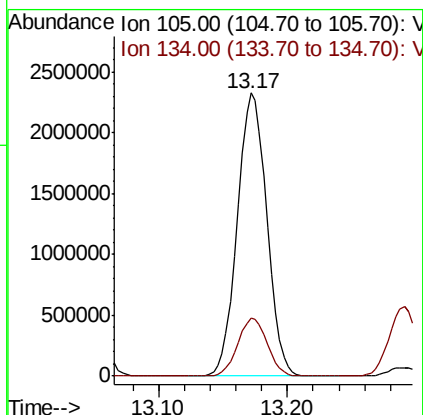
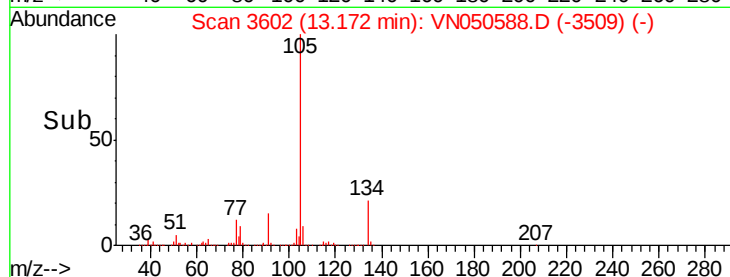
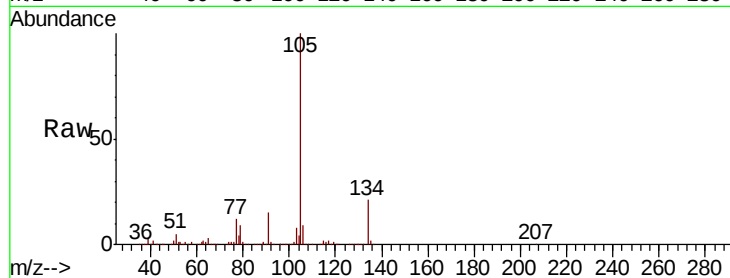
VSTDIC100

Tot Ion:105 Resp: 3687248

Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.3



#86

p-Isopropyltoluene

Concen: 107.784 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

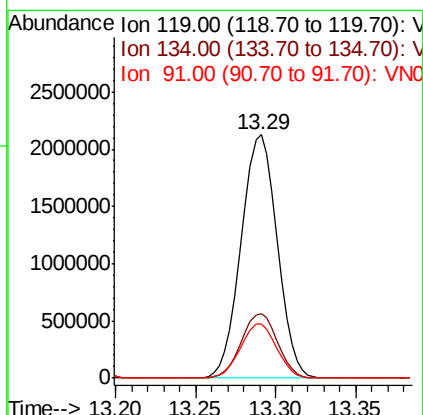
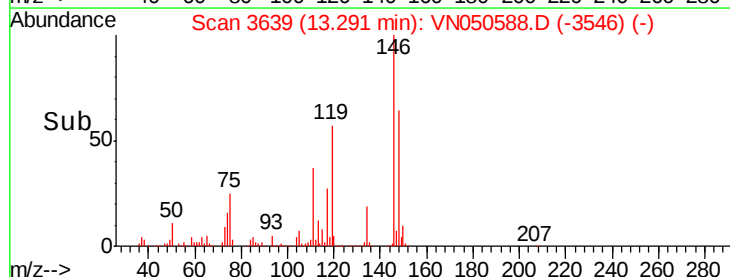
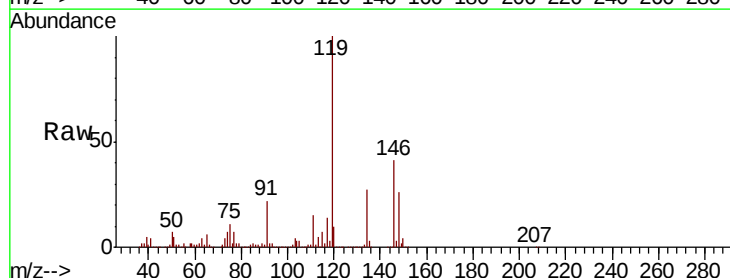
Tgt Ion:119 Resp: 3262447

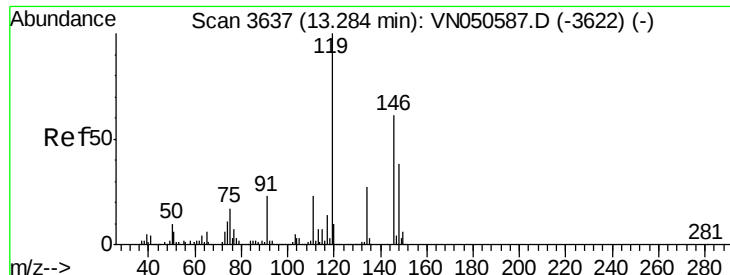
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.3 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 100.183 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Instrument :

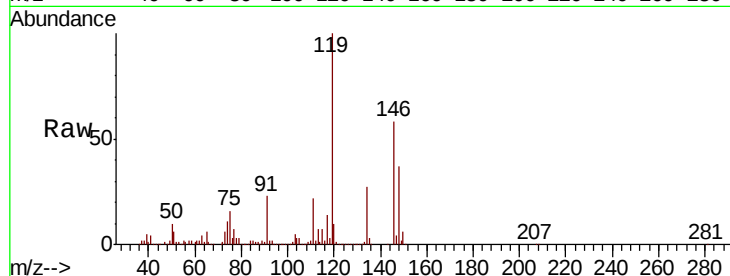
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1786606

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	63.8	31.9	95.7

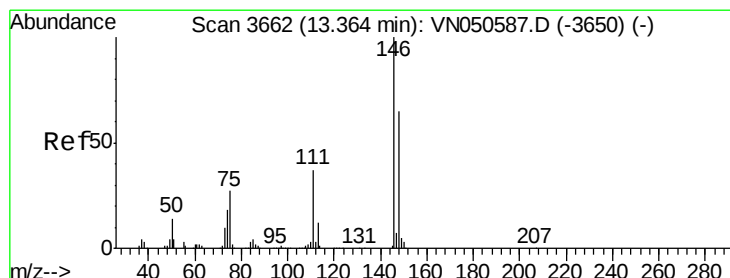
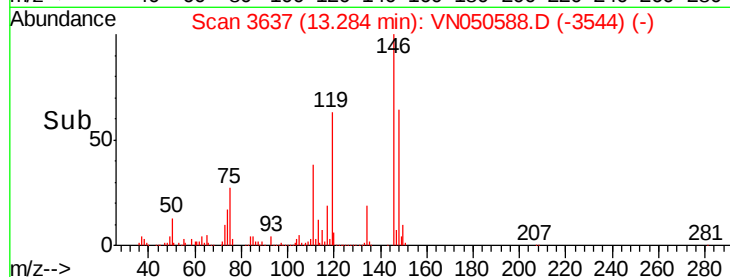
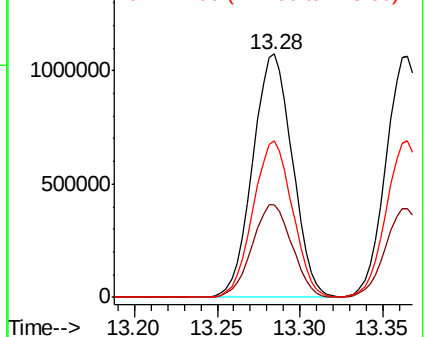


Abundance

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: 98.245 ug/l

RT: 13.36 min Scan# 3662

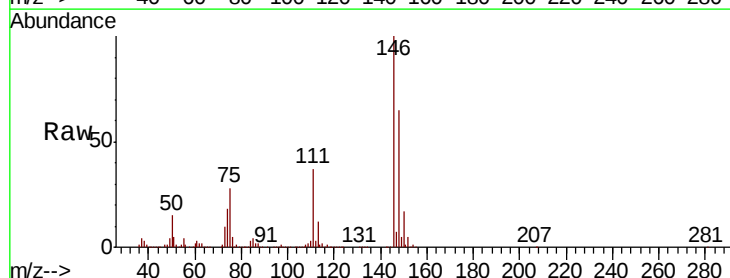
Delta R.T. 0.00 min

Lab File: VN050588.D

Acq: 14 Aug 2018 1:24

Tgt Ion:146 Resp: 1747856

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	64.3	32.3	96.8

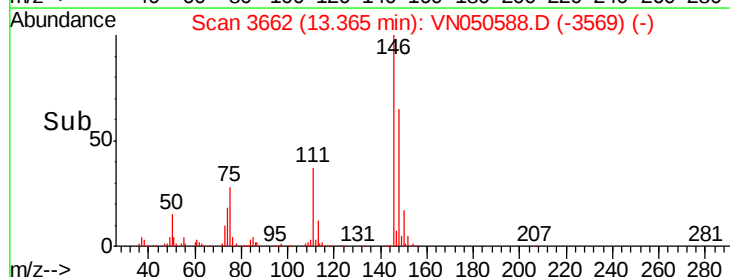
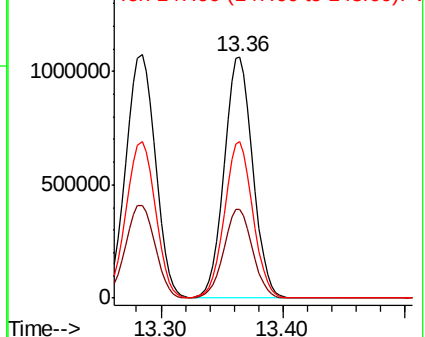


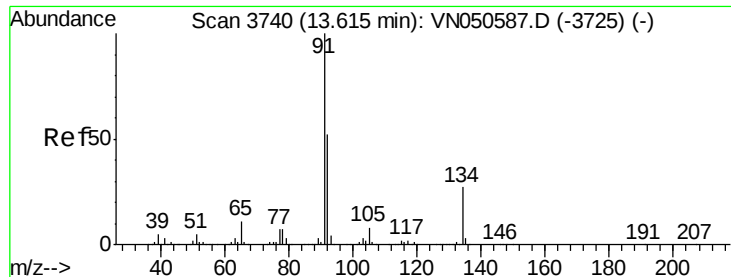
Abundance

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

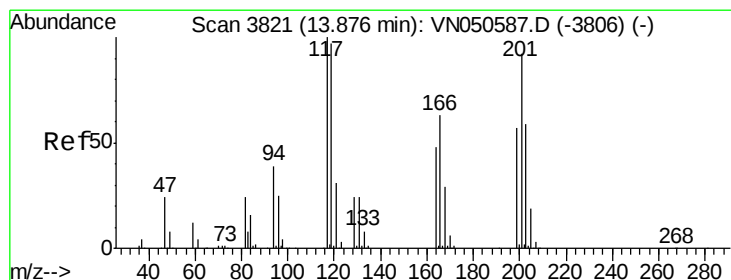
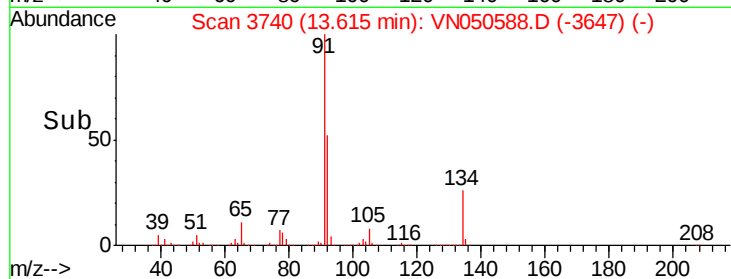
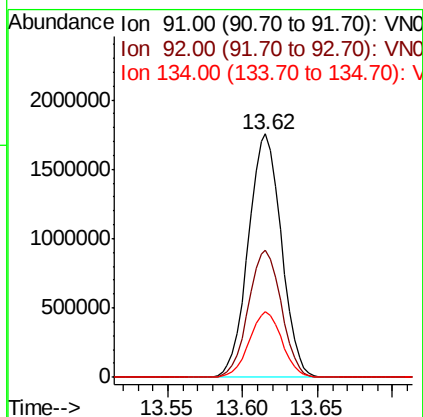
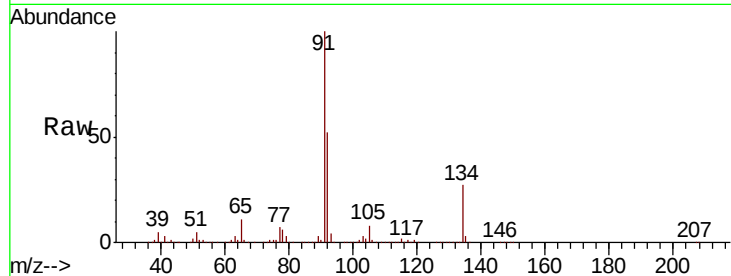




#89
n-Butylbenzene
Concen: 105.242 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

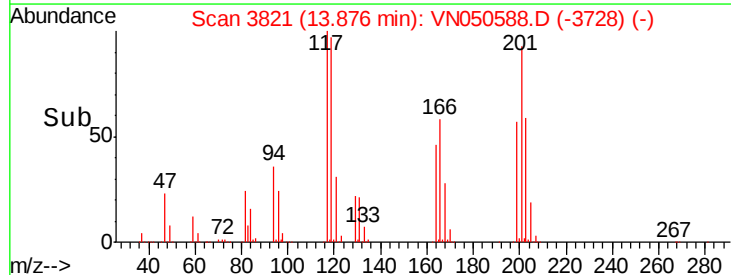
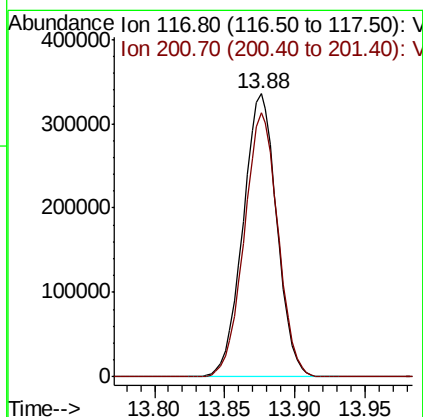
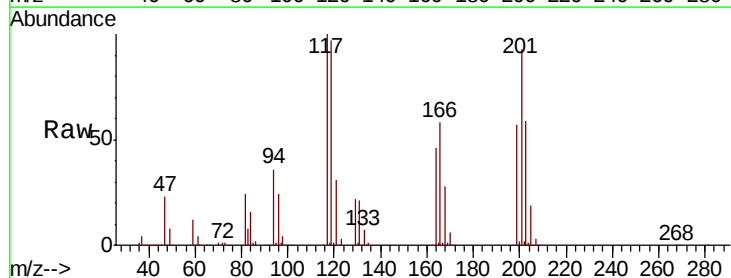
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

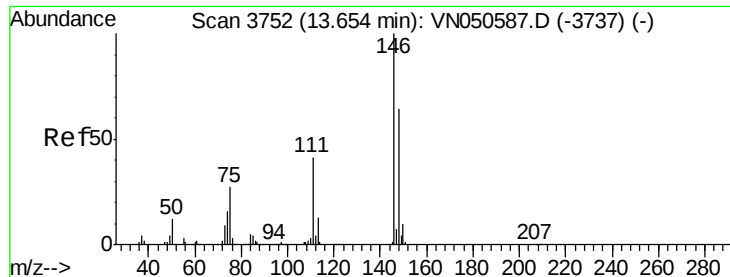
Tot Ion: 91 Resp: 2692785
Ion Ratio Lower Upper
91 100
92 52.1 26.3 78.8
134 26.6 13.3 39.9



#90
Hexachloroethane
Concen: 103.776 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion: 117 Resp: 563638
Ion Ratio Lower Upper
117 100
201 93.1 45.5 136.5

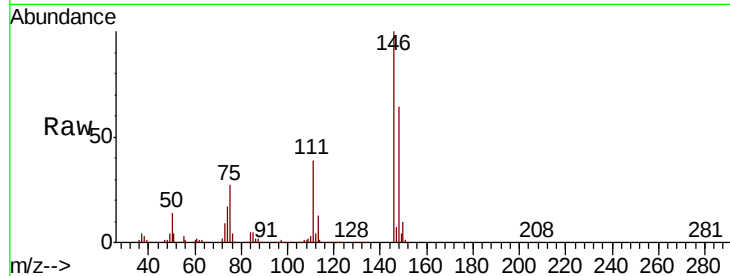




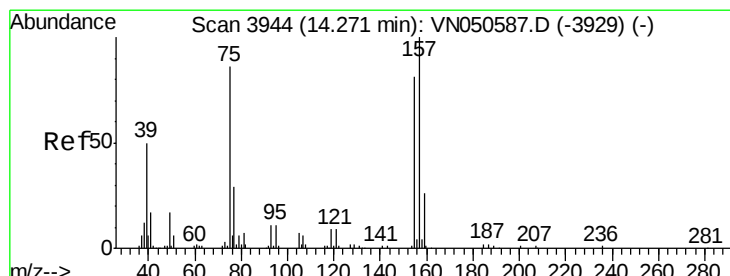
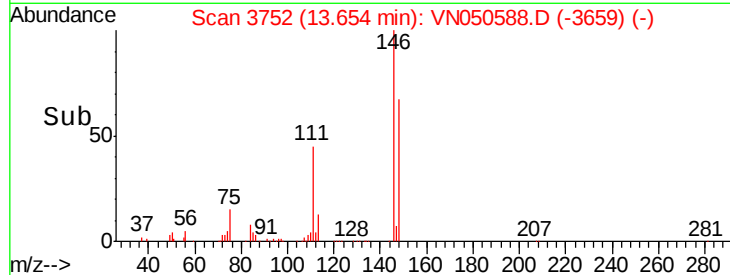
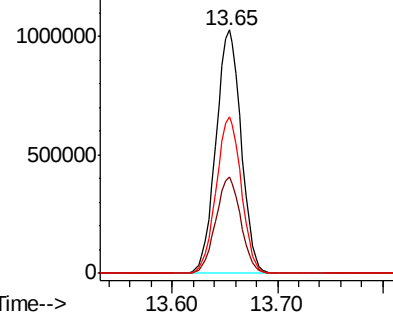
#91
 1,2-Dichlorobenzene
 Concen: 94.901 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1689473
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.8 59.4
 148 64.2 32.3 96.8

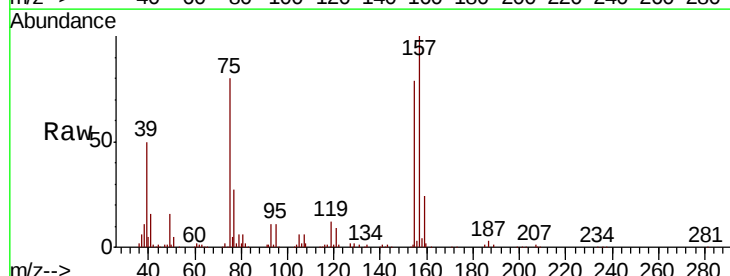


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

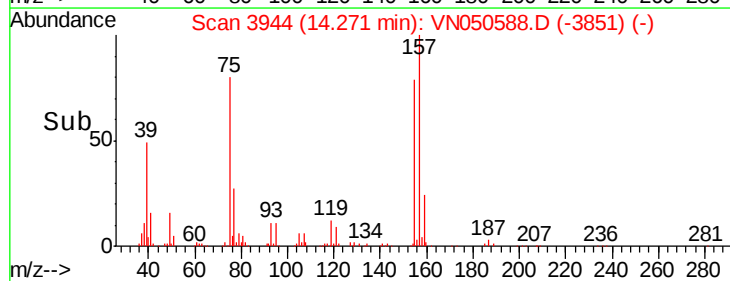
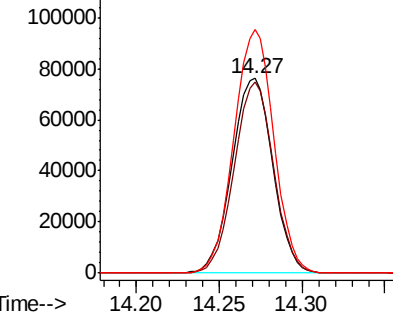


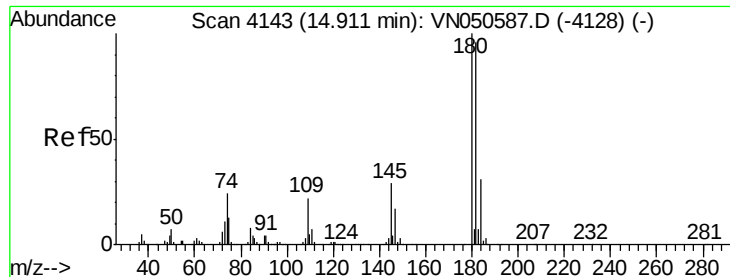
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.038 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion: 75 Resp: 130946
 Ion Ratio Lower Upper
 75 100
 155 94.5 46.6 139.8
 157 122.0 58.1 174.2



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

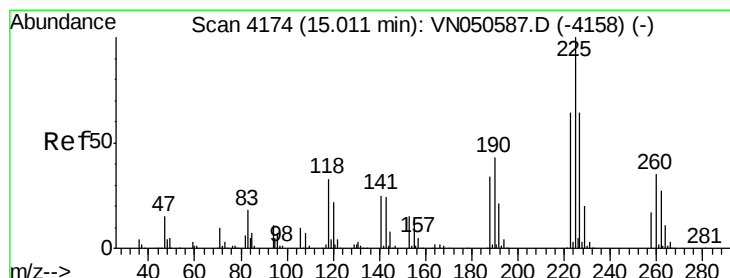
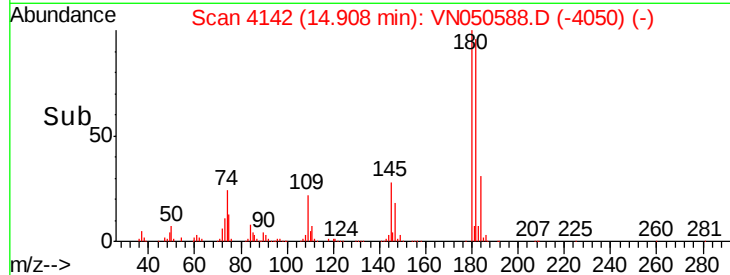
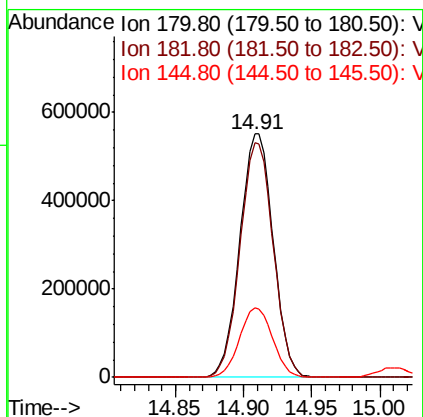
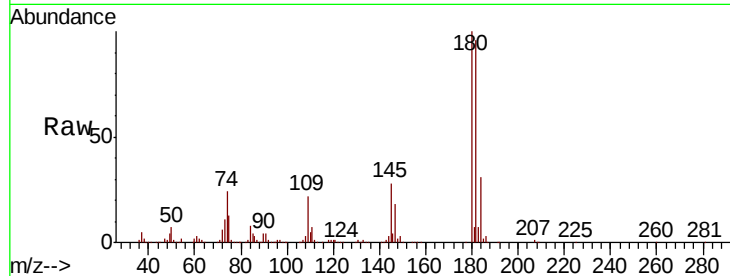




#93
 1,2,4-Trichlorobenzene
 Concen: 104.484 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

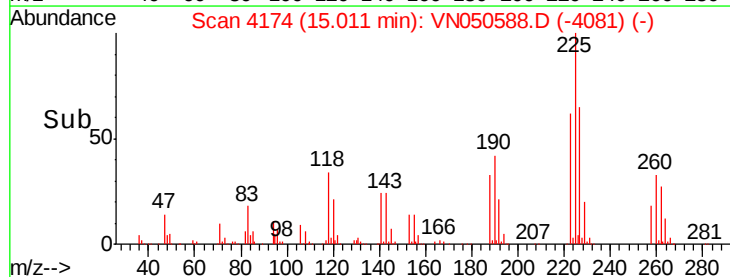
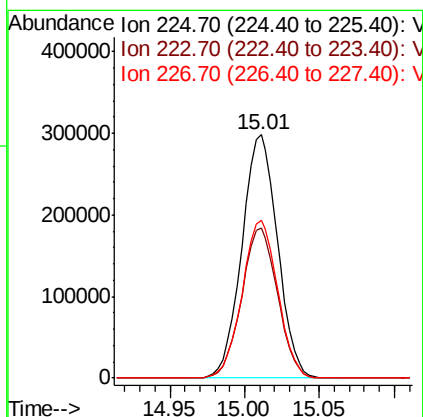
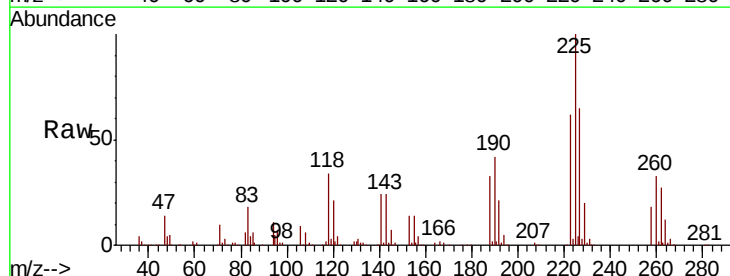
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

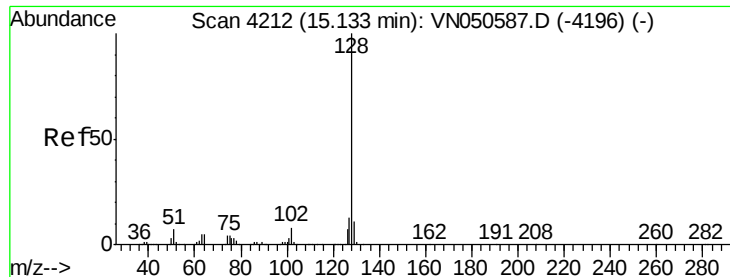
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	28.3	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 75.874 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050588.D
 Acq: 14 Aug 2018 1:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	32.1	96.3
227	64.7	32.0	96.2

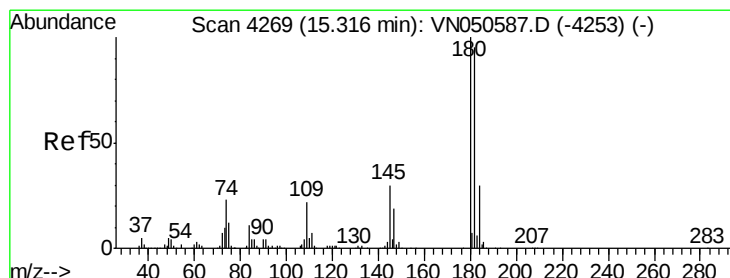
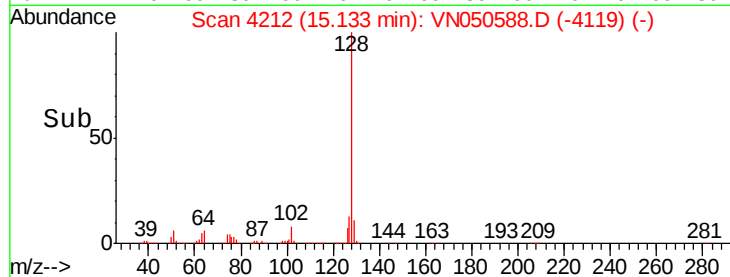
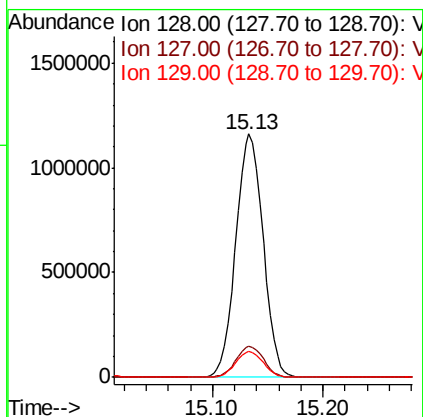
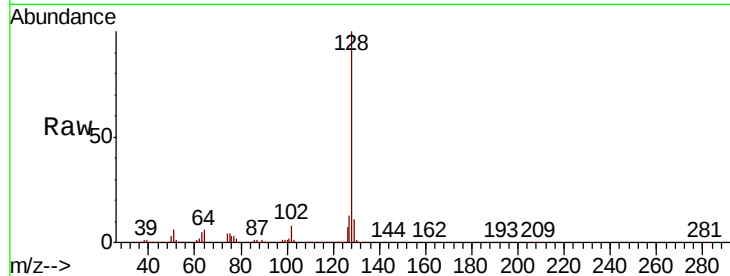




#95
Naphthalene
Concen: 98.565 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 1994372
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 95.783 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050588.D
Acq: 14 Aug 2018 1:24

Tgt Ion:180 Resp: 866071
Ion Ratio Lower Upper
180 100
182 96.2 47.3 141.8
145 29.8 14.6 44.0

